

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100519\
 Data File : BG043055.D
 Acq On : 5 Oct 2019 14:54
 Operator : JU
 Sample : K5168-04MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 20190773-SS-COMPOSITE-13MSD

Quant Time: Oct 06 23:53:37 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 25 15:35:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	63800	20.00	ng	-0.02
21) Naphthalene-d8	10.87	136	251508	20.00	ng	-0.01
39) Acenaphthene-d10	14.68	164	179746	20.00	ng	-0.01
64) Phenanthrene-d10	17.42	188	416693	20.00	ng	-0.01
76) Chrysene-d12	21.70	240	453121	20.00	ng	-0.02
87) Perylene-d12	24.92	264	530922	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.64	112	420128	117.52	ng	-0.01
7) Phenol-d6	7.24	99	608245	118.15	ng	0.00
23) Nitrobenzene-d5	9.22	82	374258	72.33	ng	-0.01
42) 2,4,6-Tribromophenol	16.17	330	348586	112.78	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	839464	67.70	ng	-0.02
79) Terphenyl-d14	20.03	244	1490804	70.11	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.54	88	49369	33.122	ng	92
3) Pyridine	3.94	79	131601	31.392	ng	87
4) n-Nitrosodimethylamine	3.85	42	79865	39.616	ng	# 84
6) Aniline	7.39	93	233199	37.525	ng	99
8) 2-Chlorophenol	7.63	128	184205	49.408	ng	98
9) Benzaldehyde	7.19	77	115006	36.557	ng	91
10) Phenol	7.27	94	255402	54.073	ng	93
11) bis(2-Chloroethyl)ether	7.48	93	158546	43.383	ng	94
12) 1,3-Dichlorobenzene	7.95	146	198351	41.705	ng	99
13) 1,4-Dichlorobenzene	8.09	146	203175	42.853	ng	99
14) 1,2-Dichlorobenzene	8.42	146	195239	43.253	ng	96
15) Benzyl Alcohol	8.30	79	177834	45.945	ng	96
16) 2,2'-oxybis(1-Chloropropan	8.59	45	240882	34.321	ng	94
17) 2-Methylphenol	8.51	107	159695	48.320	ng	97
18) Hexachloroethane	9.15	117	74727	41.850	ng	95
19) n-Nitroso-di-n-propylamine	8.86	70	141478	41.852	ng	93
20) 3+4-Methylphenols	8.83	107	217408	48.002	ng	95
22) Acetophenone	8.88	105	276257	42.612	ng	# 93
24) Nitrobenzene	9.26	77	215757	43.714	ng	94
25) Isophorone	9.79	82	401323	44.154	ng	97
26) 2-Nitrophenol	9.97	139	104904	49.928	ng	99
27) 2,4-Dimethylphenol	10.04	122	175696	54.450	ng	94
28) bis(2-Chloroethoxy)methane	10.27	93	221019	42.859	ng	98
29) 2,4-Dichlorophenol	10.51	162	201620	50.241	ng	98
30) 1,2,4-Trichlorobenzene	10.73	180	225624	43.537	ng	98
31) Naphthalene	10.91	128	567083	45.803	ng	99
32) Benzoic acid	10.19	122	108101	43.854	ng	93
33) 4-Chloroaniline	11.02	127	161856	30.128	ng	95
34) Hexachlorobutadiene	11.20	225	158861	40.940	ng	99
35) Caprolactam	11.80	113	40423	28.563	ng	# 81
36) 4-Chloro-3-methylphenol	12.15	107	214432	49.144	ng	97
37) 2-Methylnaphthalene	12.52	142	430933	45.626	ng	98
38) 1-Methylnaphthalene	12.74	142	408377	45.694	ng	97
40) 1,2,4,5-Tetrachlorobenzene	12.88	216	282498	41.800	ng	99

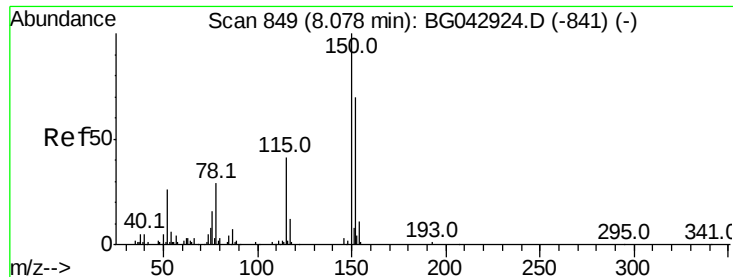
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.86	237	366555	85.125	ng	94
43) 2,4,6-Trichlorophenol	13.12	196	185252	46.832	ng	98
44) 2,4,5-Trichlorophenol	13.19	196	199550	48.970	ng	97
46) 1,1'-Biphenyl	13.52	154	583098	42.777	ng	98
47) 2-Chloronaphthalene	13.56	162	453344	44.360	ng	97
48) 2-Nitroaniline	13.76	65	147619	43.436	ng	90
49) Acenaphthylene	14.40	152	733472	46.904	ng	99
50) Dimethylphthalate	14.14	163	729708	54.182	ng	99
51) 2,6-Dinitrotoluene	14.25	165	136805	47.700	ng	90
52) Acenaphthene	14.74	154	448340	42.833	ng	99
53) 3-Nitroaniline	14.59	138	103038	34.763	ng	97
54) 2,4-Dinitrophenol	14.79	184	154504	86.667	ng	95
55) Dibenzofuran	15.08	168	710938	45.915	ng	99
56) 4-Nitrophenol	14.90	139	220629	97.694	ng	96
57) 2,4-Dinitrotoluene	15.04	165	195412	46.527	ng	94
58) Fluorene	15.73	166	597655	45.210	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.31	232	199300	45.935	ng	99
60) Diethylphthalate	15.50	149	588160	42.912	ng	97
61) 4-Chlorophenyl-phenylether	15.72	204	344850	43.497	ng	99
62) 4-Nitroaniline	15.75	138	142787	44.171	ng	98
63) Azobenzene	16.01	77	527382	42.263	ng	97
65) 4,6-Dinitro-2-methylphenol	15.80	198	117292	49.744	ng	96
66) n-Nitrosodiphenylamine	15.93	169	527675	47.970	ng	99
67) 4-Bromophenyl-phenylether	16.61	248	241167	46.113	ng	96
68) Hexachlorobenzene	16.74	284	269739	46.322	ng	96
69) Atrazine	16.88	200	205614	44.389	ng	99
70) Pentachlorophenol	17.08	266	326408	97.143	ng	99
71) Phenanthrene	17.47	178	961075	47.243	ng	98
72) Anthracene	17.56	178	973471	47.933	ng	99
73) Carbazole	17.83	167	880715	46.765	ng	99
74) Di-n-butylphthalate	18.38	149	1014009	45.128	ng	99
75) Fluoranthene	19.47	202	1294300	48.102	ng	99
77) Benzidine	19.65	184	617007	54.382	ng	99
78) Pyrene	19.84	202	1296008	47.920	ng	99
80) Butylbenzylphthalate	20.72	149	478937	46.654	ng	97
81) Benzo(a)anthracene	21.68	228	1318425	46.697	ng	99
82) 3,3'-Dichlorobenzidine	21.59	252	394443	35.620	ng	99
83) Chrysene	21.74	228	1260398	46.002	ng	98
84) Bis(2-ethylhexyl)phthalate	21.58	149	690472	47.269	ng	99
85) Di-n-octyl phthalate	22.79	149	1185976	49.651	ng	96
86) Indeno(1,2,3-cd)pyrene	28.58	276	1690329	49.557	ng	99
88) Benzo(b)fluoranthene	23.89	252	1426447	47.483	ng	99
89) Benzo(k)fluoranthene	23.96	252	1381657	46.491	ng	99
90) Benzo(a)pyrene	24.76	252	1400921	49.428	ng	99
91) Dibenzo(a,h)anthracene	28.65	278	1415427	48.702	ng	98
92) Benzo(g,h,i)perylene	29.73	276	1399868	49.712	ng	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

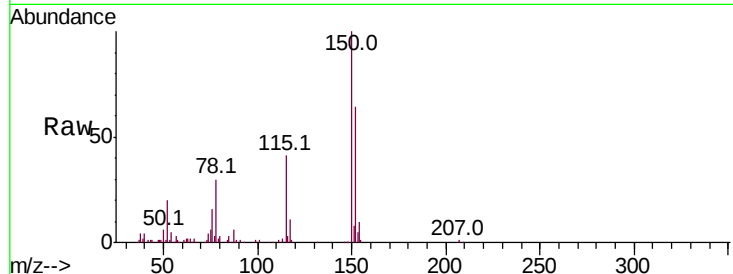


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.02 min
Lab File: BG043055.D
Acq: 5 Oct 2019 14:54

Instrument :
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ClientSampleId :
20190773-SS-COMPOSITE-13MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	115.0	172.4
115	63.7	47.0	70.6

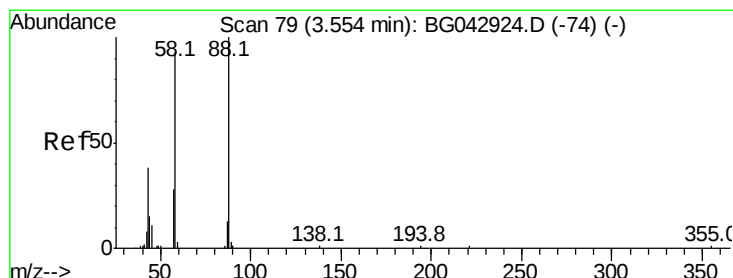
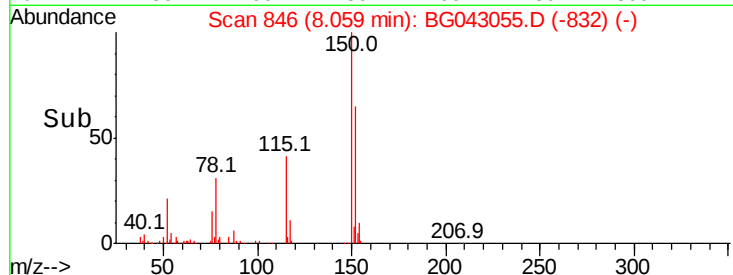
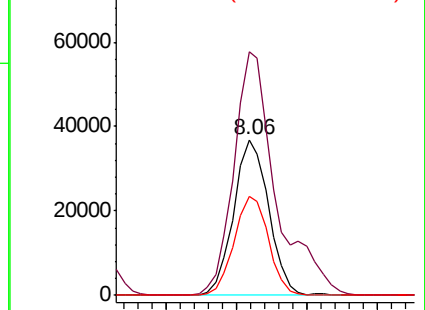


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

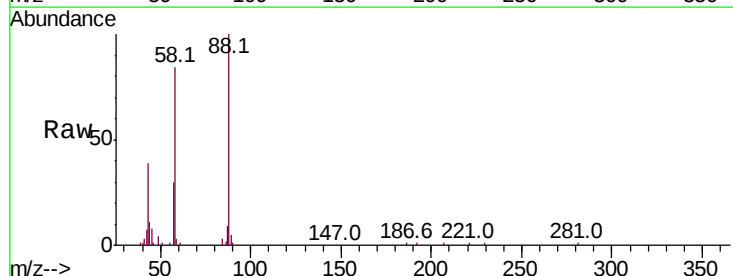
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 33.122 ng
RT: 3.54 min Scan# 77
Delta R.T. -0.01 min
Lab File: BG043055.D
Acq: 5 Oct 2019 14:54

Tgt Ion	Ratio	Lower	Upper
88	100		
58	83.7	74.3	111.5
43	39.3	29.8	44.8

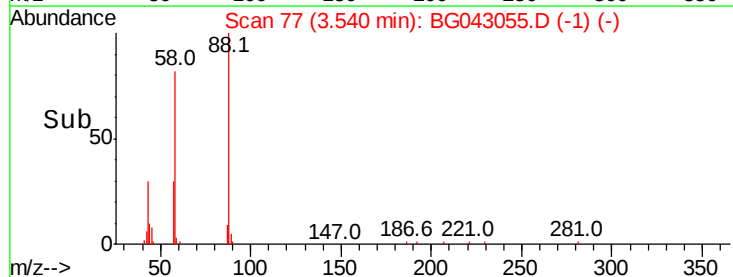
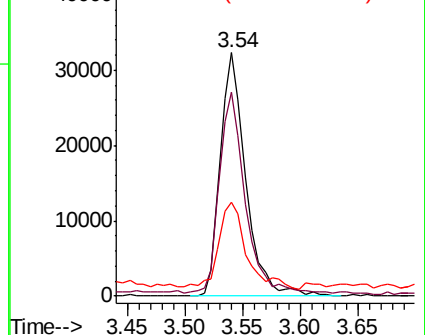


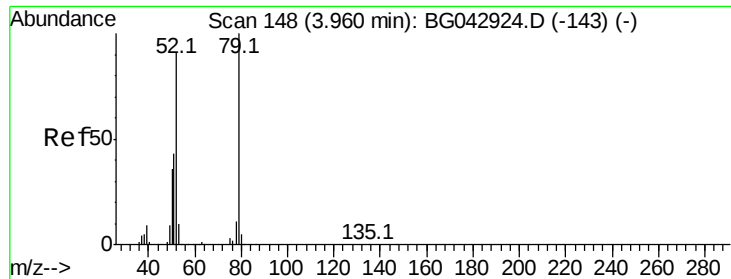
Abundance

Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 31.392 ng

RT: 3.94 min Scan# 145

Delta R.T. -0.02 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

Instrument :

BNA_G

ClientSampleId :

20190773-SS-COMPOSITE-13MSD

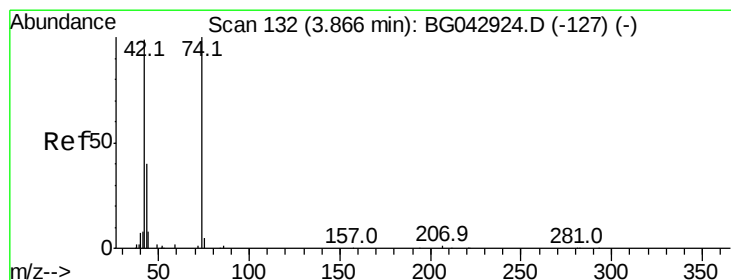
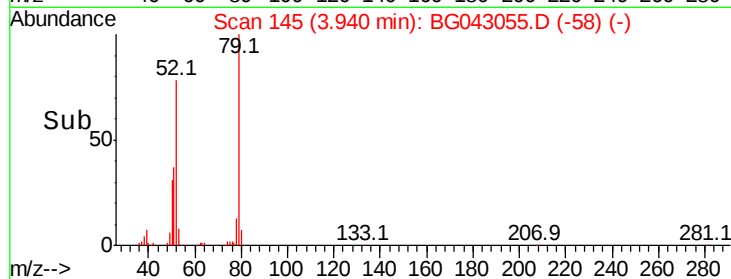
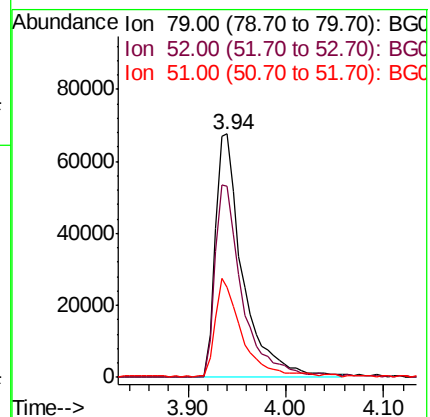
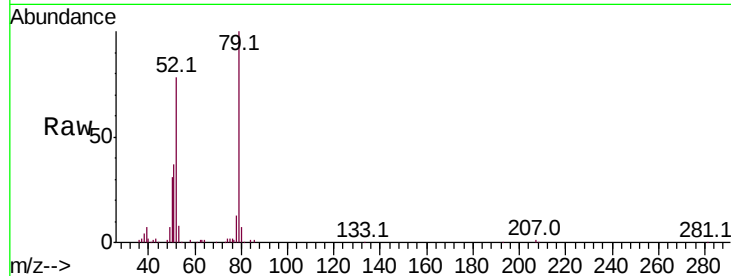
Tot Ion: 79 Resp: 131601

Ion Ratio Lower Upper

79 100

52 78.3 73.0 109.4

51 37.0 35.1 52.7



#4

n-Nitrosodimethylamine

Concen: 39.616 ng

RT: 3.85 min Scan# 130

Delta R.T. -0.01 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

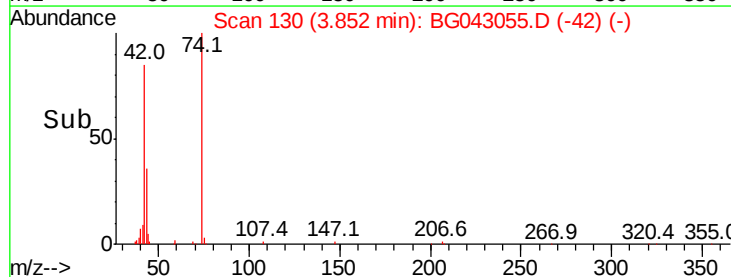
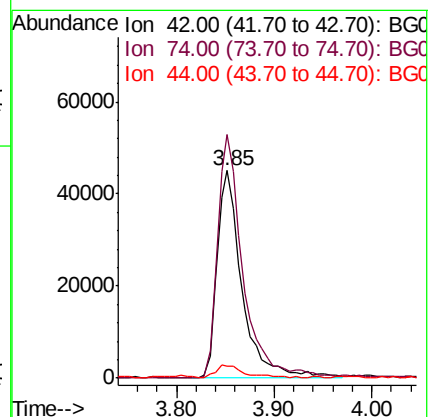
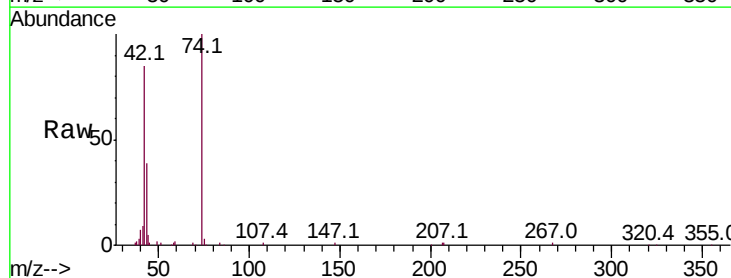
Tgt Ion: 42 Resp: 79865

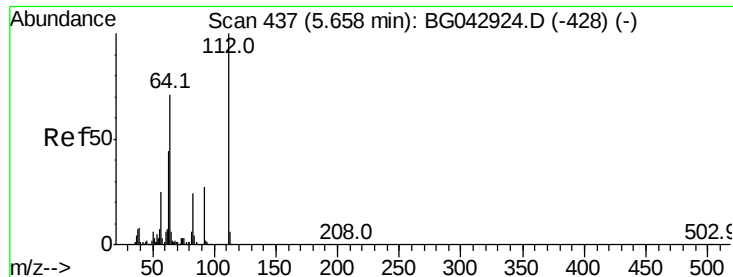
Ion Ratio Lower Upper

42 100

74 117.5 80.5 120.7

44 5.5 6.9 10.3#





#5

2-Fluorophenol

Concen: 117.519 ng

RT: 5.64 min Scan# 435

Delta R.T. -0.01 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

Instrument :

BNA_G

ClientSampleId :

20190773-SS-COMPOSITE-13MSD

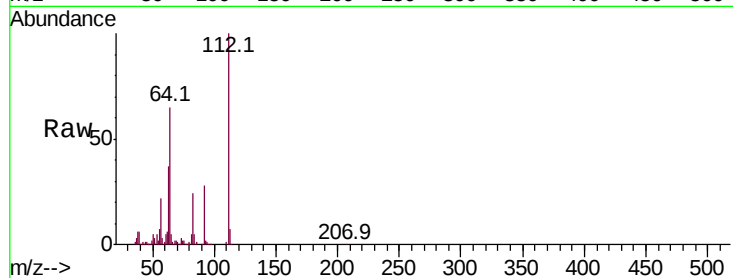
Tot Ion:112 Resp: 420128

Ion Ratio Lower Upper

112 100

64 64.6 56.6 84.8

63 36.6 35.1 52.7



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

300000

200000

100000

0

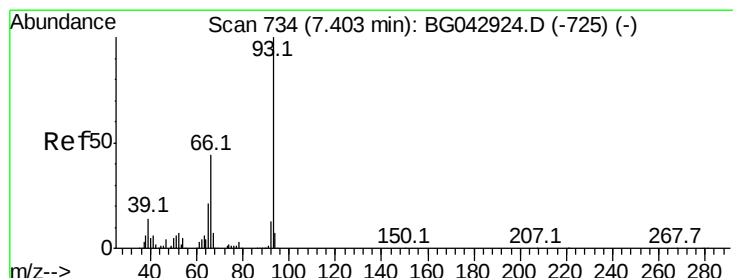
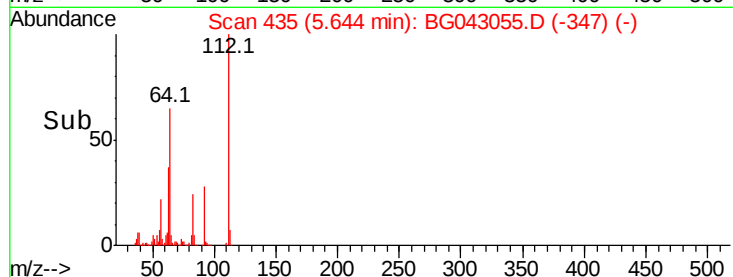
5.64

5.60

5.70

5.80

Time-->



#6

Aniline

Concen: 37.525 ng

RT: 7.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

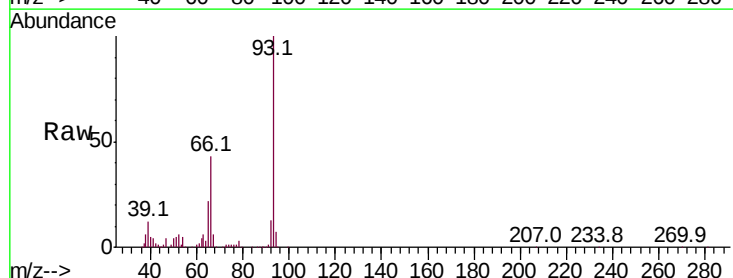
Tgt Ion: 93 Resp: 233199

Ion Ratio Lower Upper

93 100

66 42.8 35.0 52.6

65 22.3 17.4 26.0



Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

150000

100000

50000

0

7.39

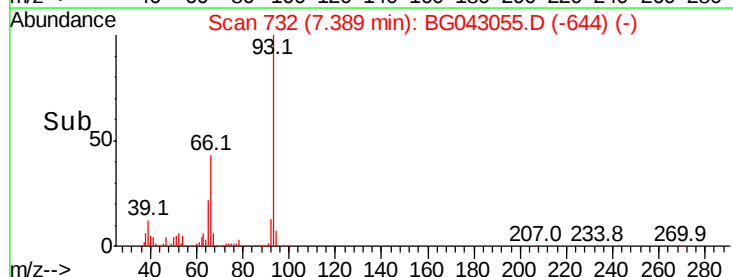
7.30

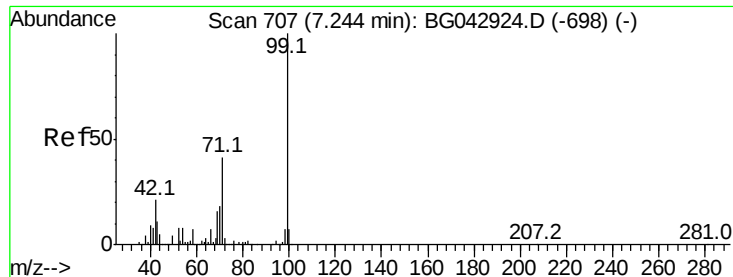
7.35

7.40

7.45

Time-->





#7

Phenol-d6

Concen: 118.147 ng

RT: 7.24 min Scan# 706

Delta R.T. -0.01 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

Instrument :

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ClientSampleId :

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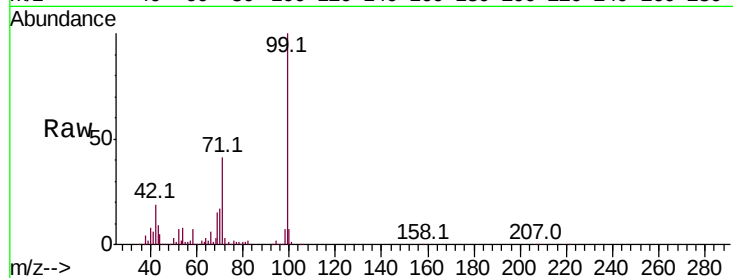
Tot Ion: 99 Resp: 608245

Ion Ratio Lower Upper

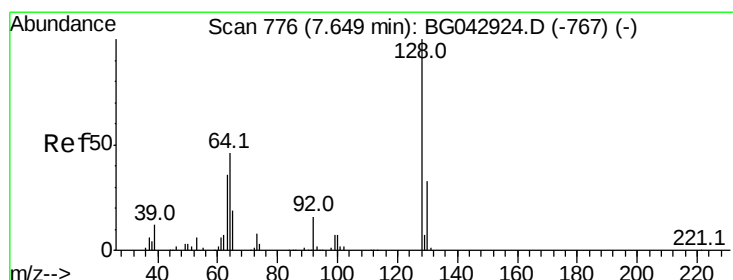
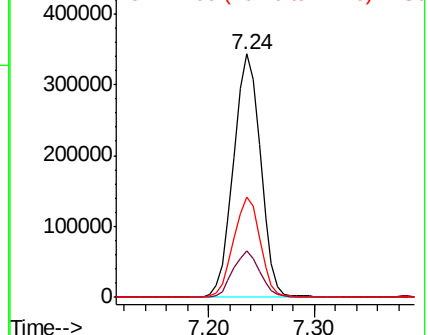
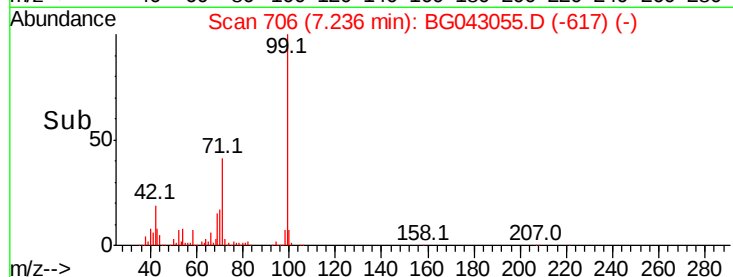
99 100

42 19.1 17.2 25.8

71 41.3 33.1 49.7



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#8

2-Chlorophenol

Concen: 49.408 ng

RT: 7.63 min Scan# 773

Delta R.T. -0.02 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

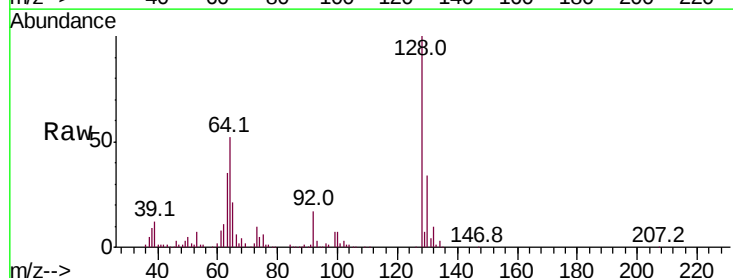
Tgt Ion:128 Resp: 184205

Ion Ratio Lower Upper

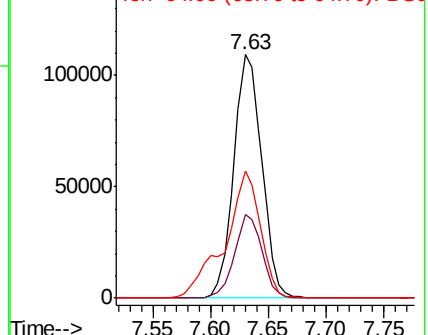
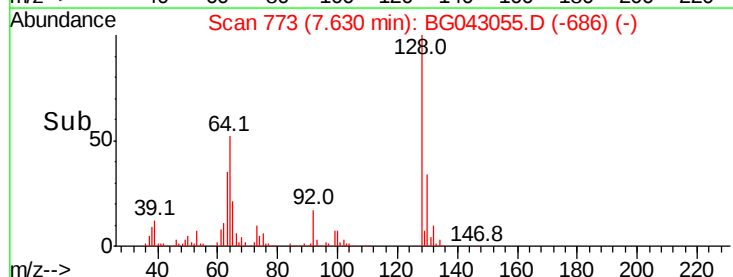
128 100

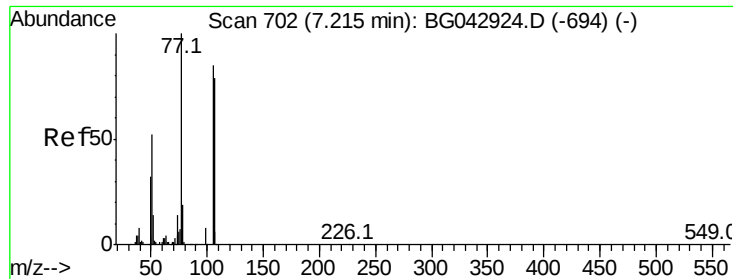
130 34.2 12.5 52.5

64 52.2 32.8 72.8



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 36.557 ng

RT: 7.19 min Scan# 699

Delta R.T. -0.02 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

Instrument :

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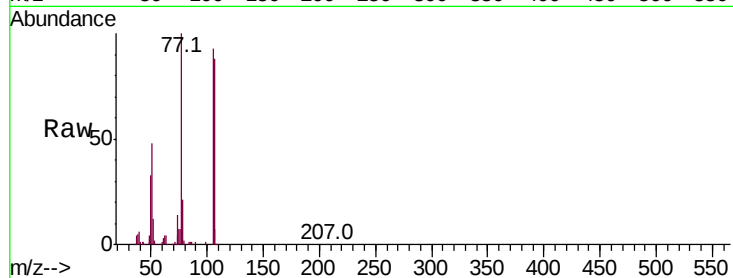
Tot Ion: 77 Resp: 115006

Ion Ratio Lower Upper

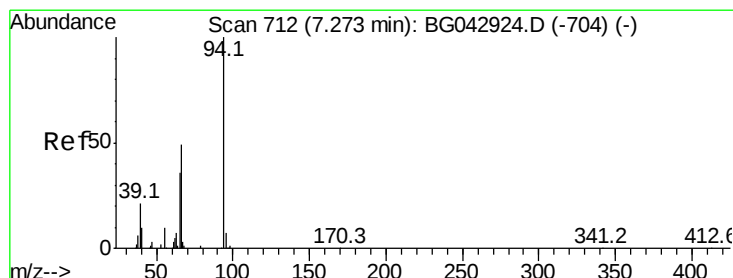
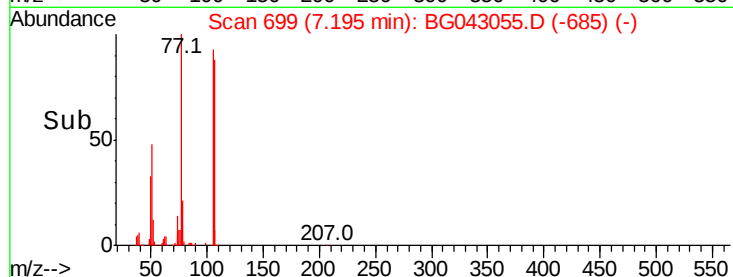
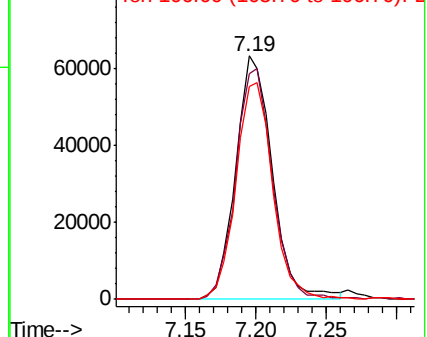
77 100

105 92.7 64.6 104.6

106 87.6 59.4 99.4



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 54.073 ng

RT: 7.27 min Scan# 711

Delta R.T. -0.01 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

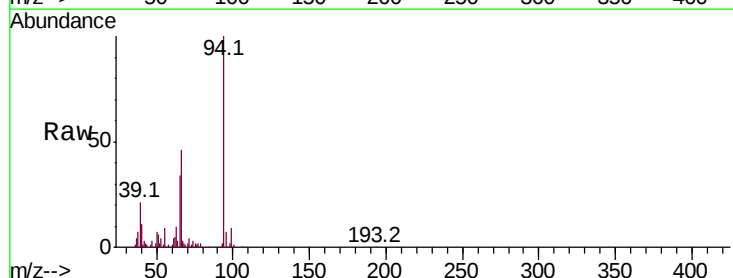
Tgt Ion: 94 Resp: 255402

Ion Ratio Lower Upper

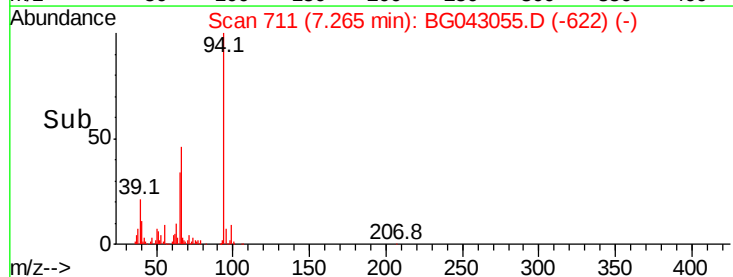
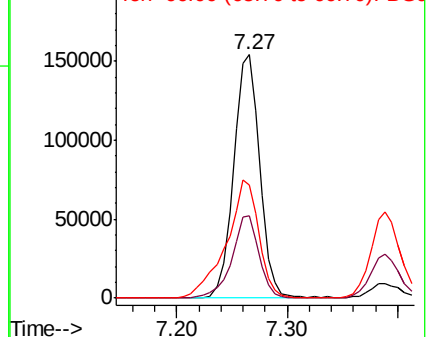
94 100

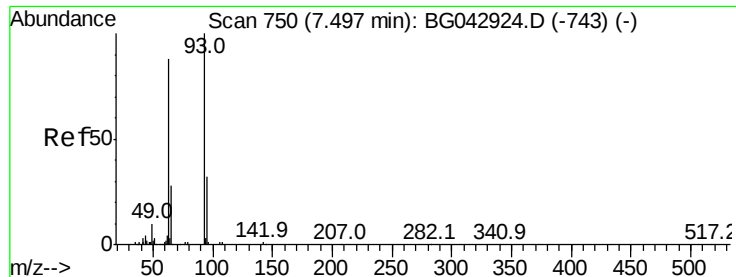
65 34.1 16.6 56.6

66 46.4 32.4 72.4



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

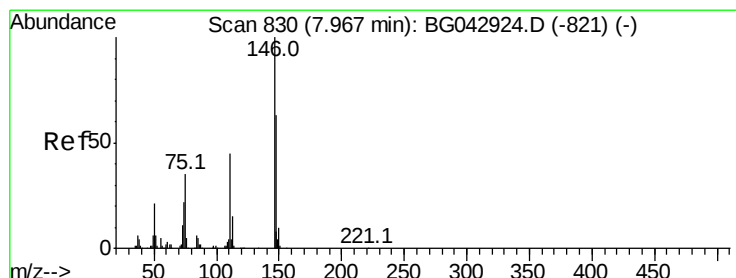
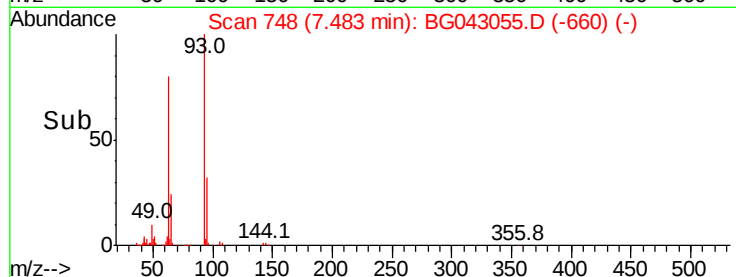
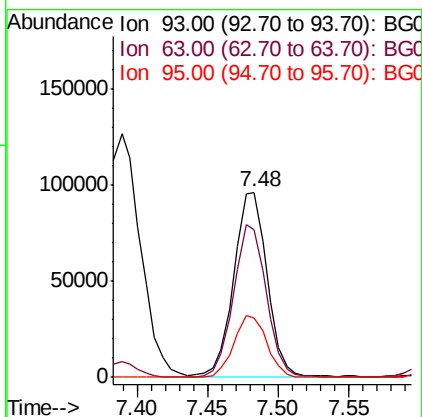
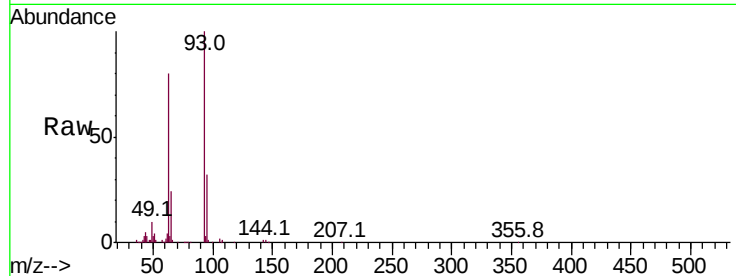




#11
 bis(2-Chloroethyl)ether
 Concen: 43.383 ng
 RT: 7.48 min Scan# 748
 Delta R.T. -0.01 min
 Lab File: BG043055.D
 Acq: 5 Oct 2019 14:54

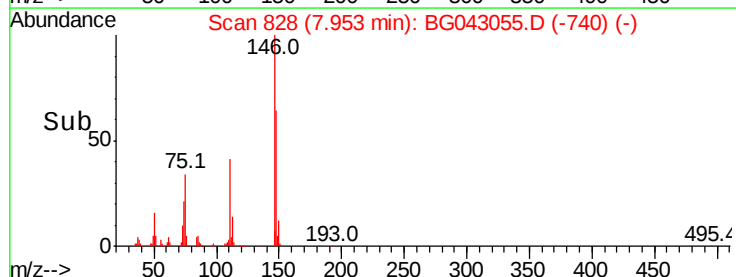
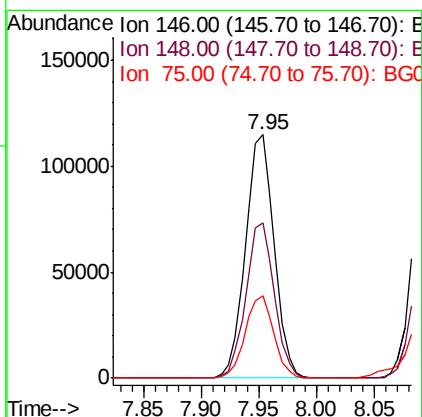
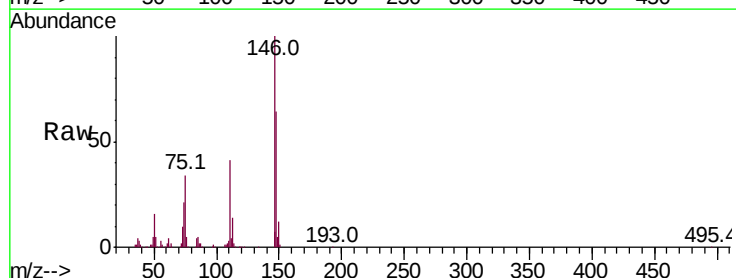
Instrument :
 BNA_G
 ClientSampleId :
 20190773-SS-COMPOSITE-13MSD

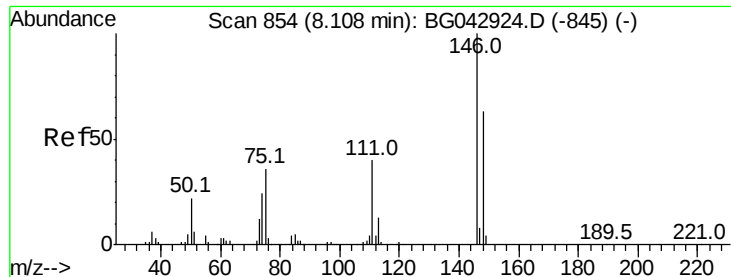
Tot Ion: 93 Resp: 158546
 Ion Ratio Lower Upper
 93 100
 63 79.6 67.4 107.4
 95 32.4 11.9 51.9



#12
 1,3-Dichlorobenzene
 Concen: 41.705 ng
 RT: 7.95 min Scan# 828
 Delta R.T. -0.01 min
 Lab File: BG043055.D
 Acq: 5 Oct 2019 14:54

Tgt Ion: 146 Resp: 198351
 Ion Ratio Lower Upper
 146 100
 148 63.8 50.7 76.1
 75 33.7 27.7 41.5

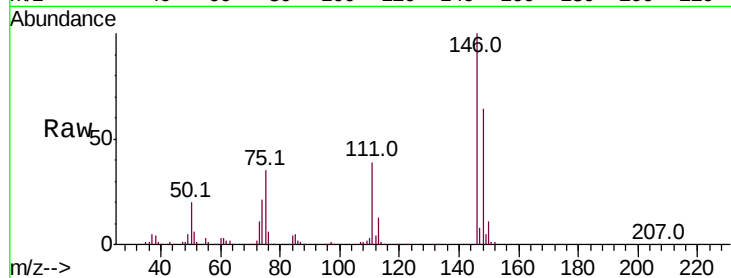




#13
 1,4-Dichlorobenzene
 Concen: 42.853 ng
 RT: 8.09 min Scan# 852
 Delta R.T. -0.01 min
 Lab File: BG043055.D
 Acq: 5 Oct 2019 14:54

Instrument :
 BNA_G
 ClientSampleId :
 20190773-SS-COMPOSITE-13MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.9	76.3
111	38.9	31.8	47.8

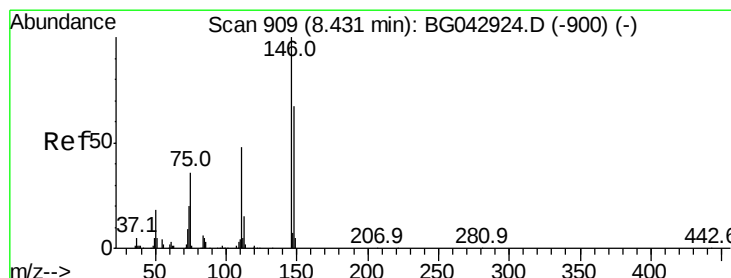
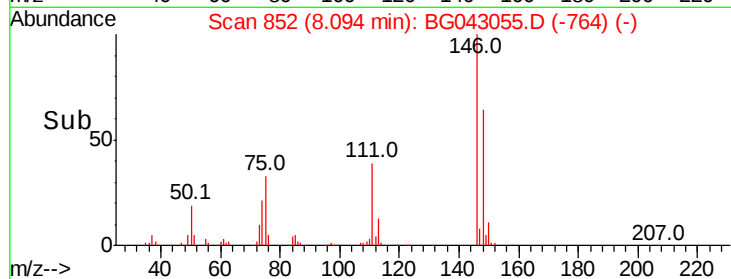
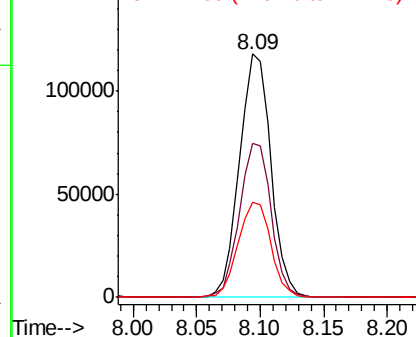


Abundance

Ion 146.00 (145.70 to 146.70): E

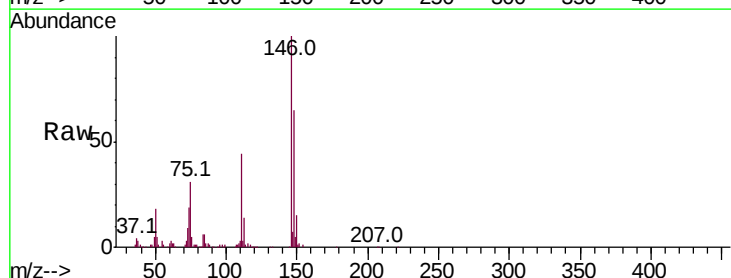
Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14
 1,2-Dichlorobenzene
 Concen: 43.253 ng
 RT: 8.42 min Scan# 907
 Delta R.T. -0.01 min
 Lab File: BG043055.D
 Acq: 5 Oct 2019 14:54

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.8	53.4	80.2
111	44.3	38.5	57.7

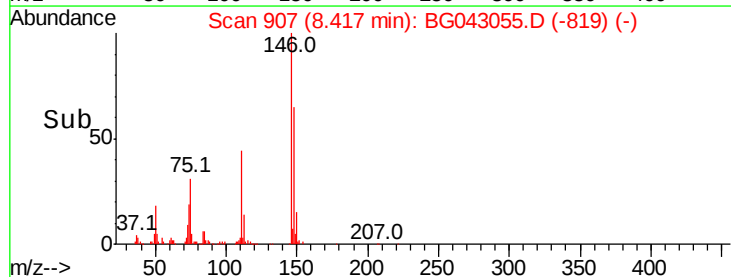
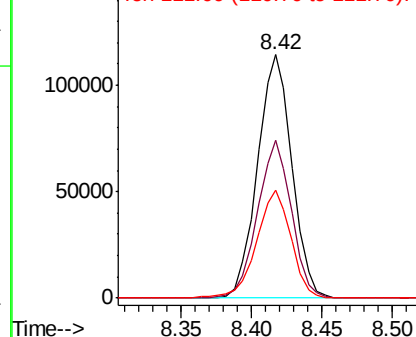


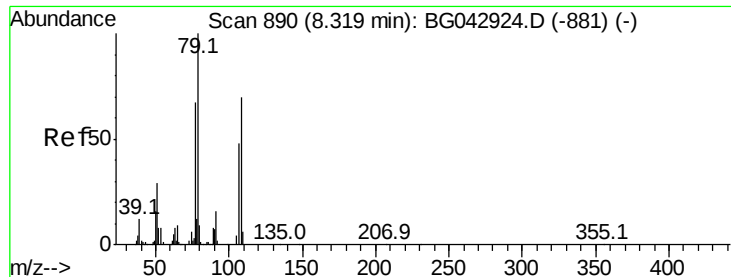
Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 45.945 ng

RT: 8.30 min Scan# 887

Delta R.T. -0.02 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

Instrument :

BNA_G

ClientSampleId :

20190773-SS-COMPOSITE-13MSD

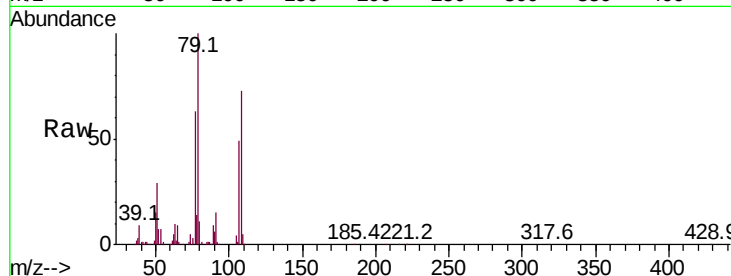
Tot Ion: 79 Resp: 177834

Ion Ratio Lower Upper

79 100

108 73.2 55.7 83.5

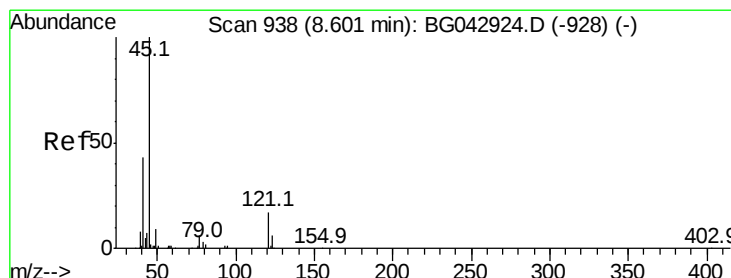
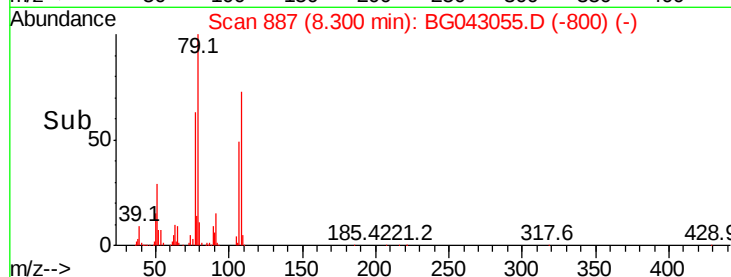
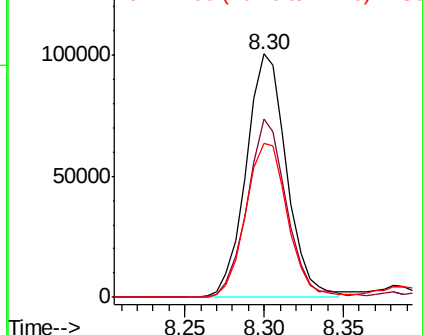
77 63.1 53.3 79.9



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC



#16

2,2'-oxybis(1-Chloropropane)

Concen: 34.321 ng

RT: 8.59 min Scan# 936

Delta R.T. -0.01 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

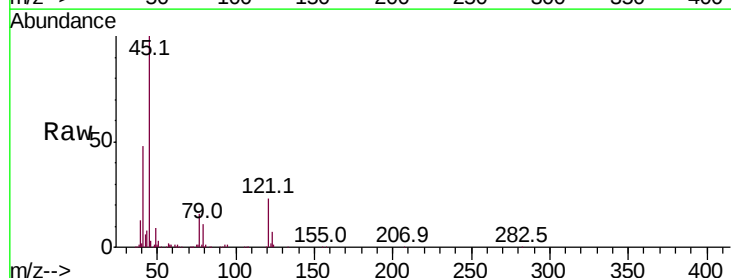
Tgt Ion: 45 Resp: 240882

Ion Ratio Lower Upper

45 100

77 15.7 0.0 32.8

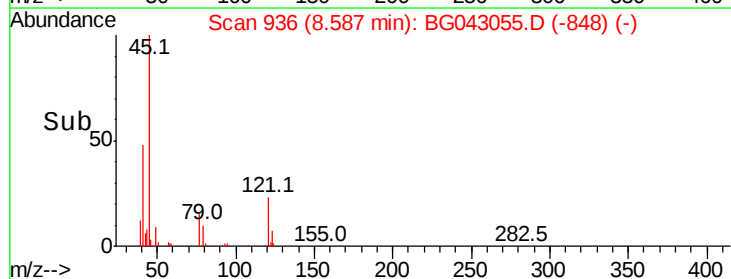
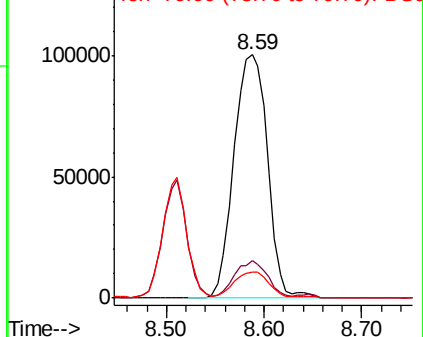
79 10.9 0.0 29.4

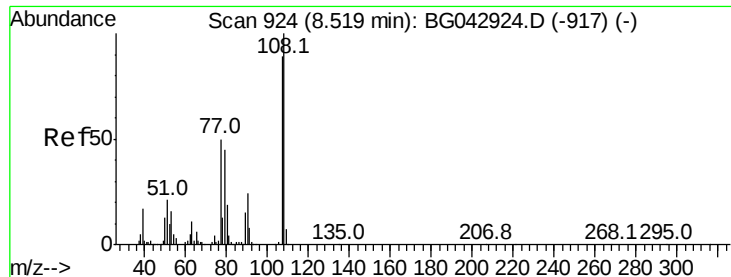


Abundance Ion 45.00 (44.70 to 45.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC





#17

2-Methylphenol

Concen: 48.320 ng

RT: 8.51 min Scan# 923

Delta R.T. -0.01 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

Instrument :

BNA_G

ClientSampleId :

20190773-SS-COMPOSITE-13MSD

Tot Ion:107 Resp: 159695

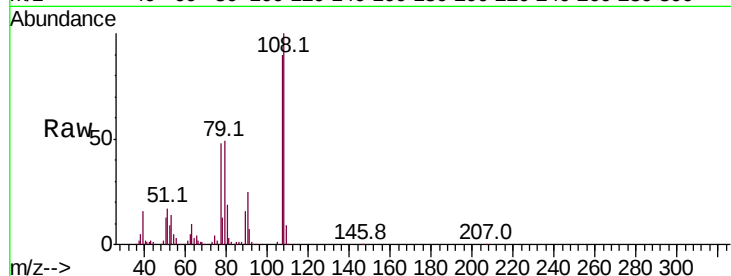
Ion Ratio Lower Upper

107 100

108 111.2 89.9 134.9

77 53.2 45.4 68.2

79 54.1 41.4 62.0

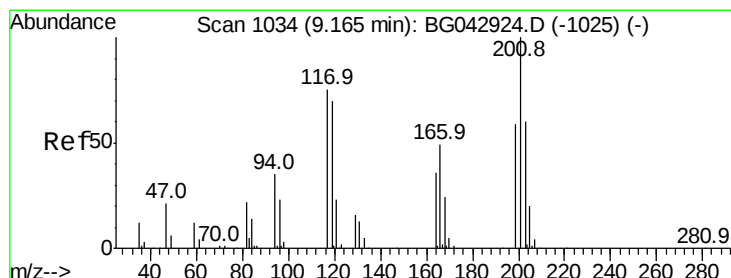
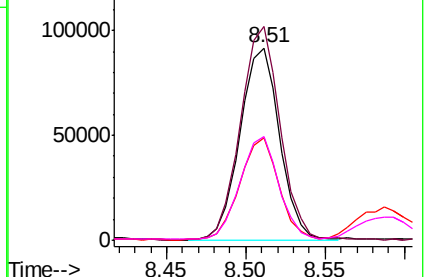
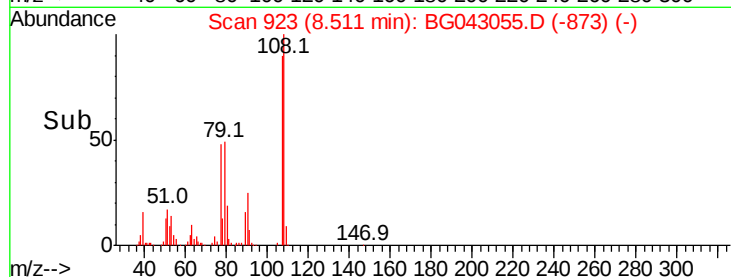


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18

Hexachloroethane

Concen: 41.850 ng

RT: 9.15 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

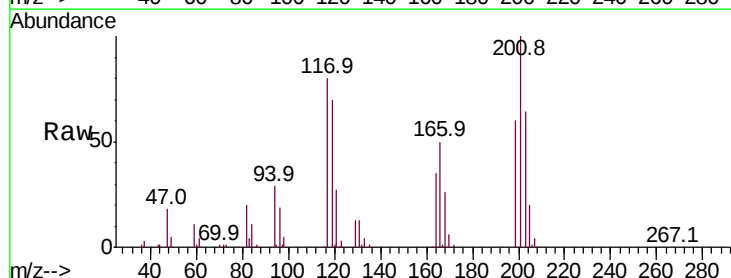
Tgt Ion:117 Resp: 74727

Ion Ratio Lower Upper

117 100

119 88.4 74.6 111.8

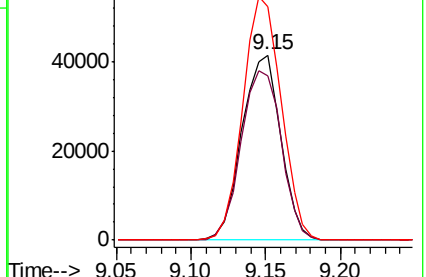
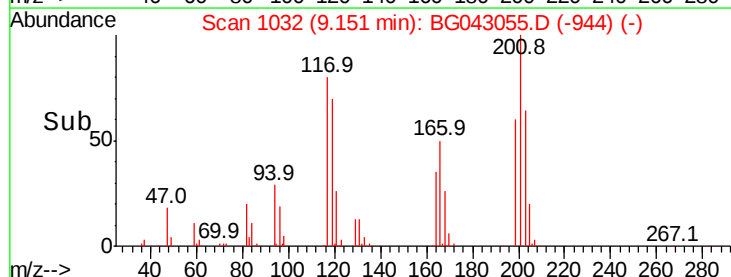
201 125.7 106.0 159.0

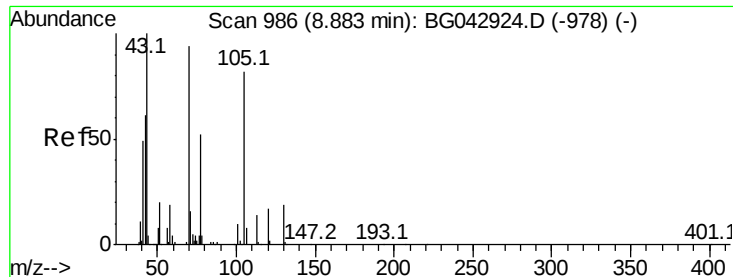


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

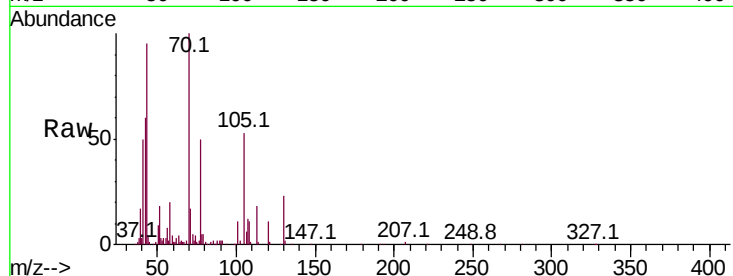




#19
n-Nitroso-di-n-propylamine
Concen: 41.852 ng
RT: 8.86 min Scan# 983
Delta R.T. -0.02 min
Lab File: BG043055.D
Acq: 5 Oct 2019 14:54

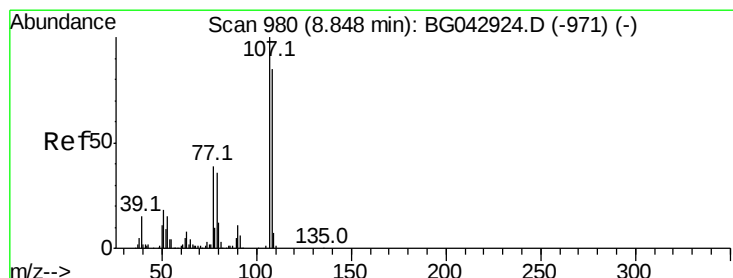
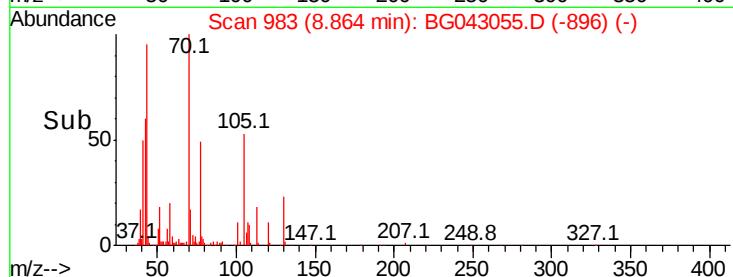
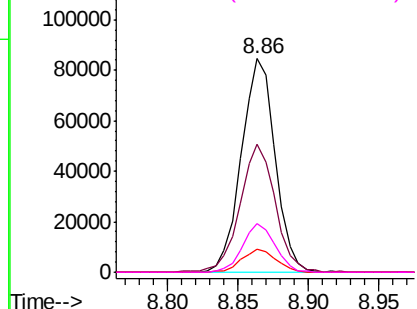
Instrument :
BNA_G
ClientSampleId :
20190773-SS-COMPOSITE-13MSD

Tot Ion: 70 Resp: 141478
Ion Ratio Lower Upper
70 100
42 59.7 52.6 79.0
101 10.6 8.7 13.1
130 22.6 15.8 23.8



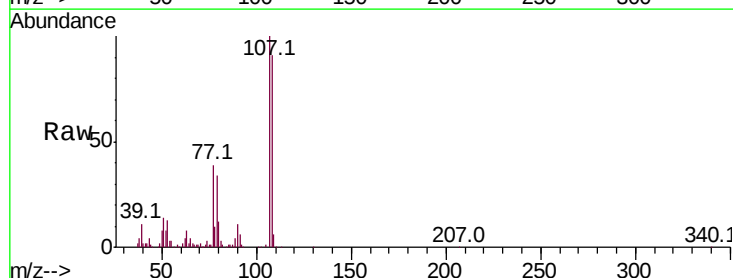
Abundance

Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC



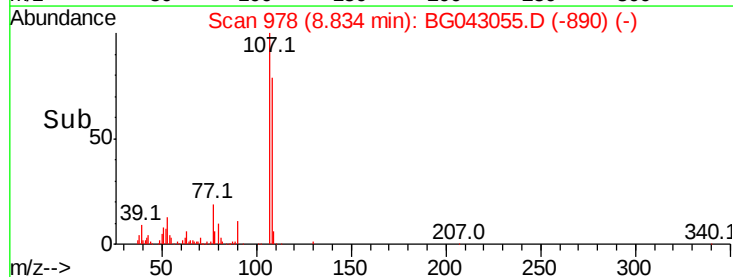
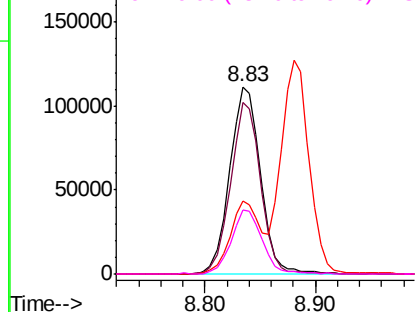
#20
3+4-Methylphenols
Concen: 48.002 ng
RT: 8.83 min Scan# 978
Delta R.T. -0.01 min
Lab File: BG043055.D
Acq: 5 Oct 2019 14:54

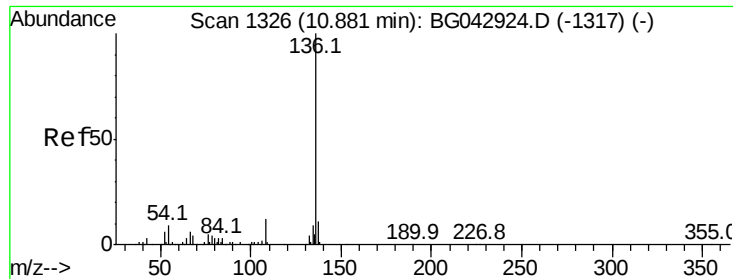
Tgt Ion:107 Resp: 217408
Ion Ratio Lower Upper
107 100
108 91.5 64.9 104.9
77 38.8 19.4 59.4
79 34.1 16.2 56.2



Abundance

Ion 107.00 (106.70 to 107.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

Instrument :

BNA_G

ClientSampleId :

20190773-SS-COMPOSITE-13MSD

Tot Ion:136 Resp: 251508

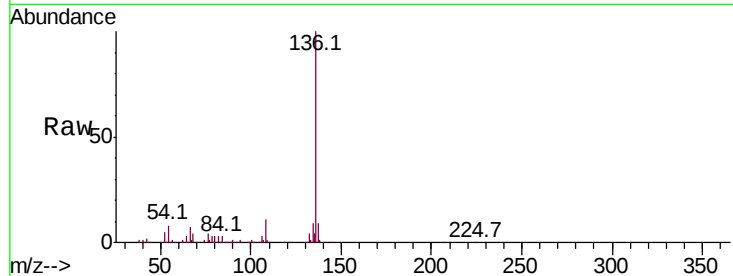
Ion Ratio Lower Upper

136 100

137 9.3 8.5 12.7

54 7.5 7.4 11.2

68 4.5 3.6 5.4

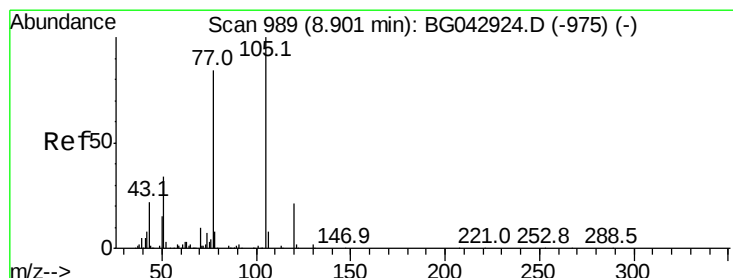
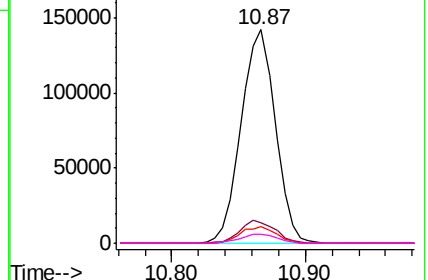
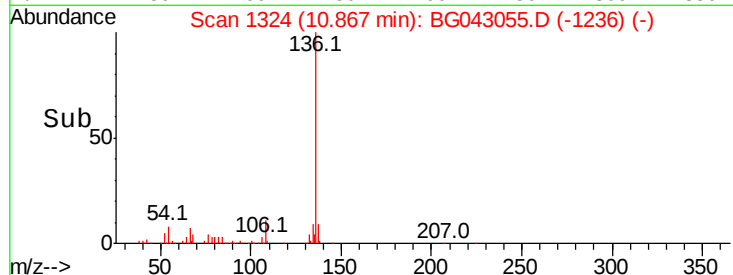


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22

Acetophenone

Concen: 42.612 ng

RT: 8.88 min Scan# 986

Delta R.T. -0.02 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

Tgt Ion:105 Resp: 276257

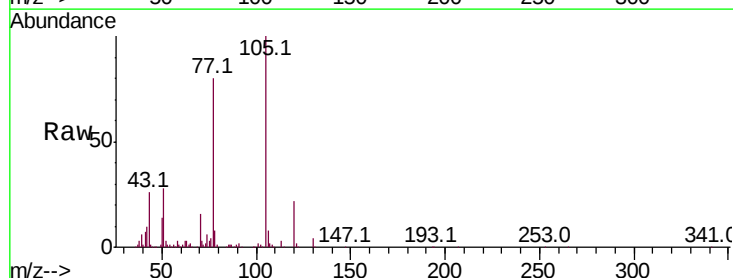
Ion Ratio Lower Upper

105 100

71 2.6 1.2 1.8#

51 28.3 27.2 40.8

120 22.1 16.9 25.3

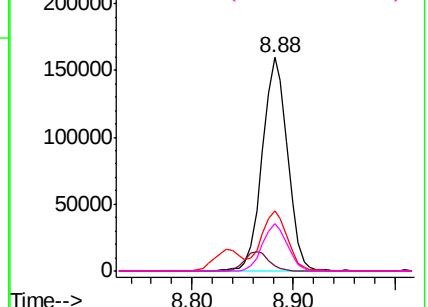
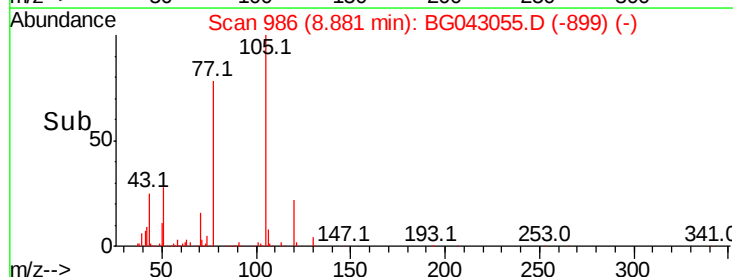


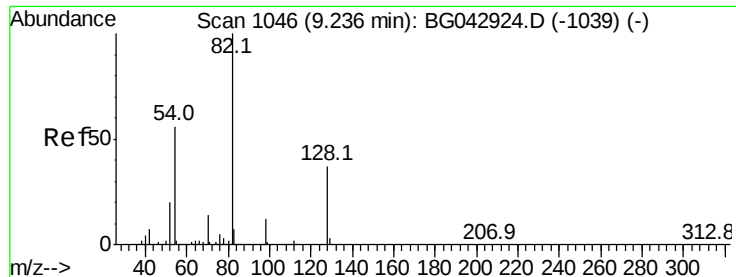
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 72.327 ng

RT: 9.22 min Scan# 1044

Delta R.T. -0.01 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

Instrument :

BNA_G

ClientSampleId :

20190773-SS-COMPOSITE-13MSD

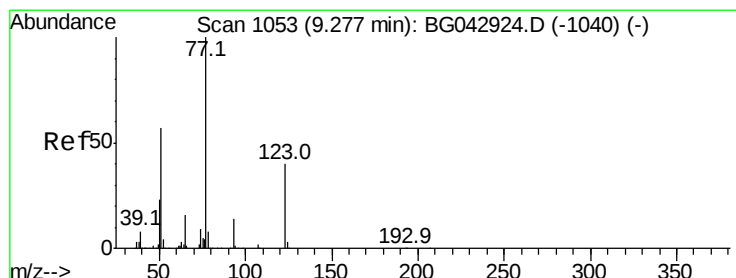
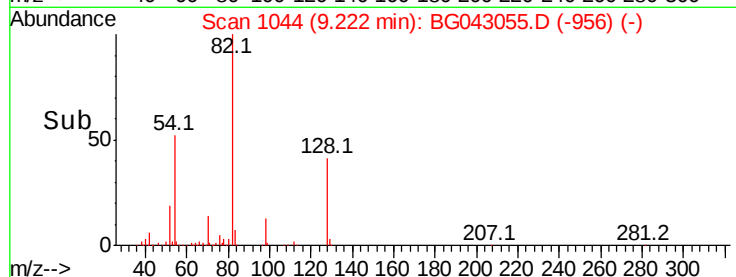
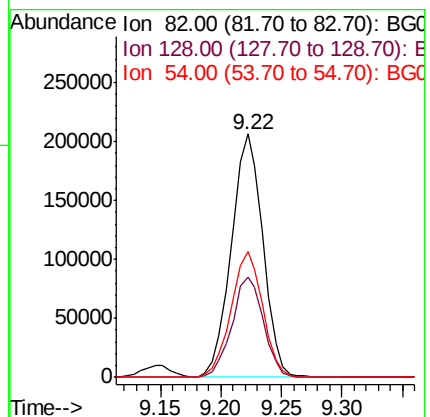
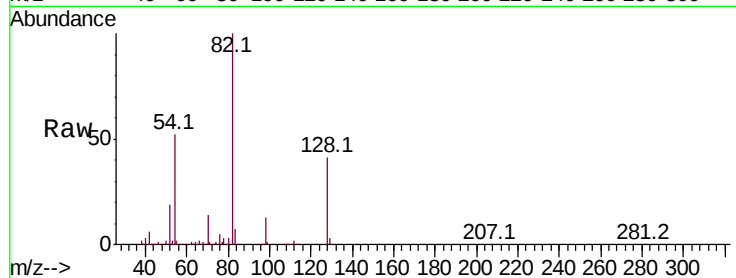
Tot Ion: 82 Resp: 374258

Ion Ratio Lower Upper

82 100

128 41.0 29.5 44.3

54 52.0 44.6 67.0



#24

Nitrobenzene

Concen: 43.714 ng

RT: 9.26 min Scan# 1051

Delta R.T. -0.01 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

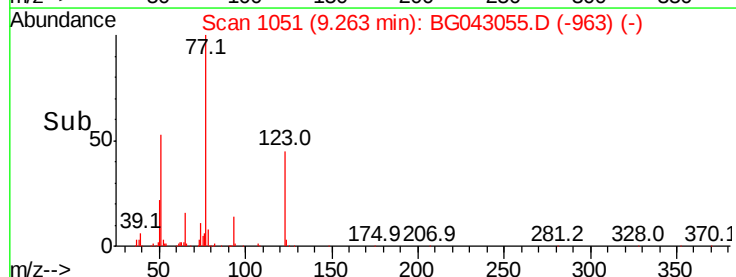
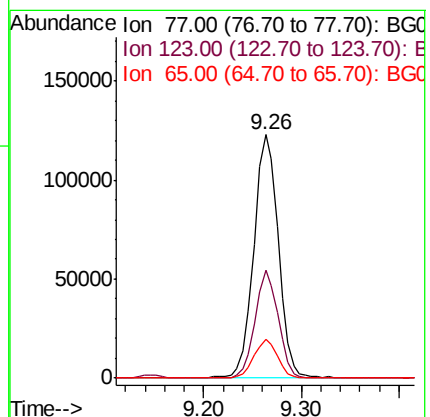
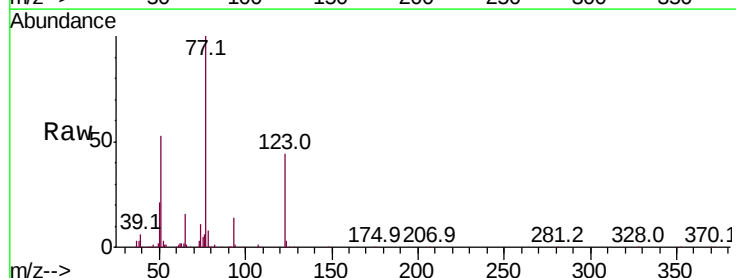
Tgt Ion: 77 Resp: 215757

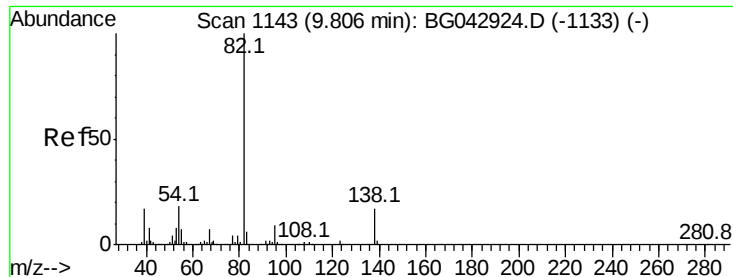
Ion Ratio Lower Upper

77 100

123 44.4 31.9 47.9

65 16.0 12.4 18.6





#25

Isophorone

Concen: 44.154 ng

RT: 9.79 min Scan# 1140

Delta R.T. -0.02 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

Instrument :

BNA_G

ClientSampleId :

20190773-SS-COMPOSITE-13MSD

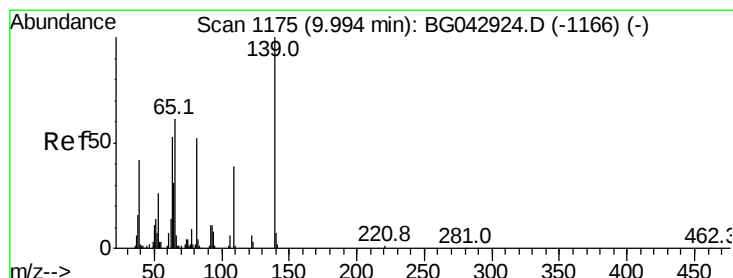
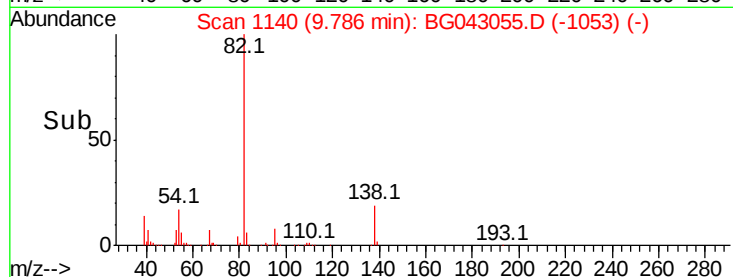
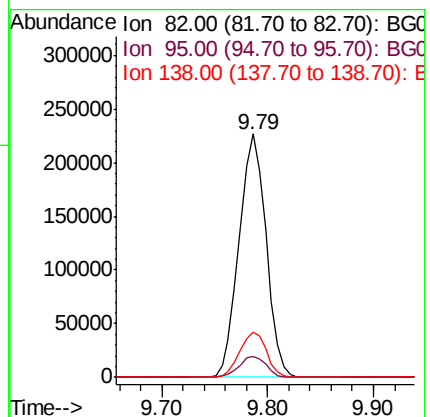
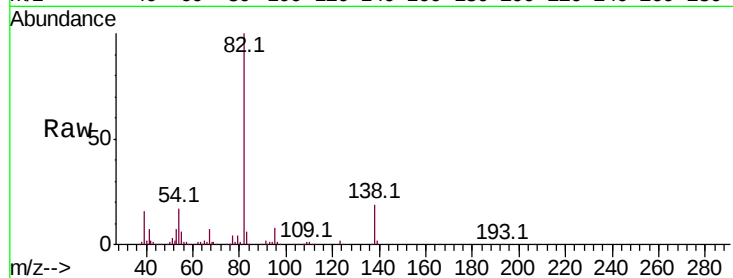
Tot Ion: 82 Resp: 401323

Ion Ratio Lower Upper

82 100

95 8.4 7.0 10.4

138 18.8 13.8 20.6



#26

2-Nitrophenol

Concen: 49.928 ng

RT: 9.97 min Scan# 1172

Delta R.T. -0.02 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

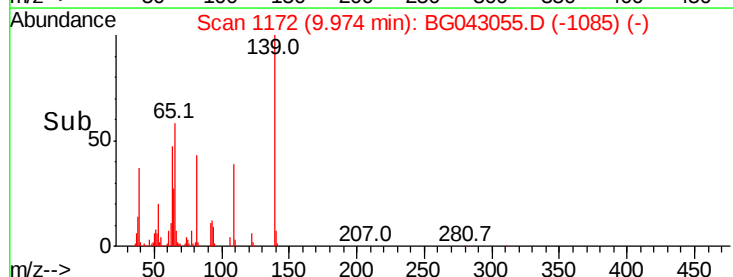
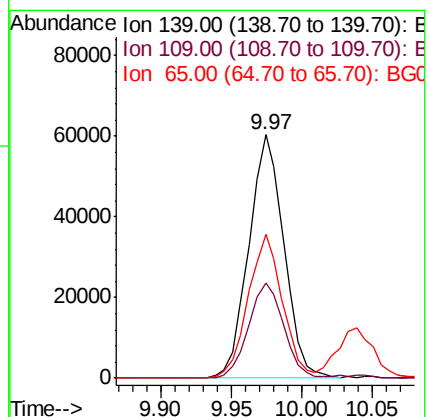
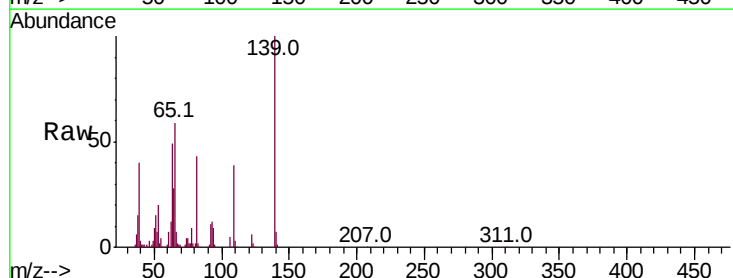
Tgt Ion: 139 Resp: 104904

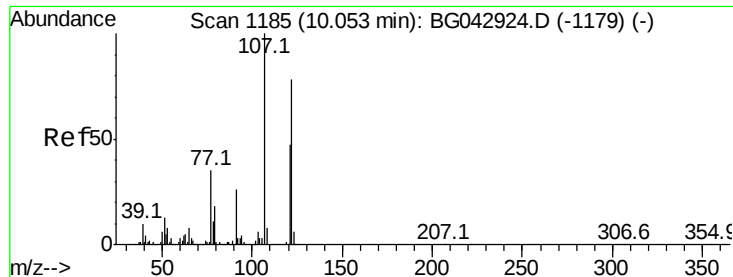
Ion Ratio Lower Upper

139 100

109 38.9 31.0 46.6

65 59.0 48.4 72.6

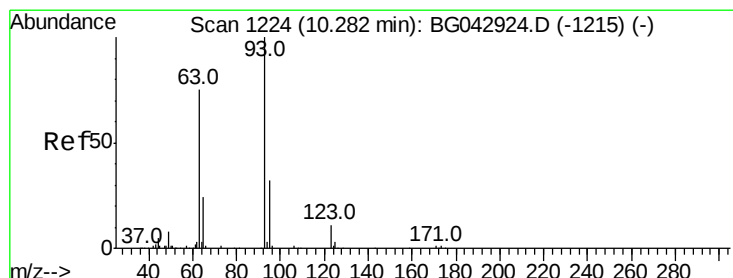
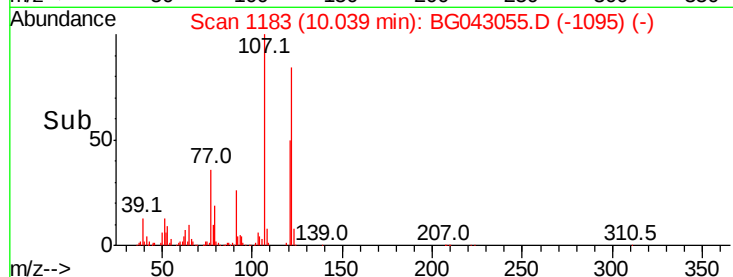
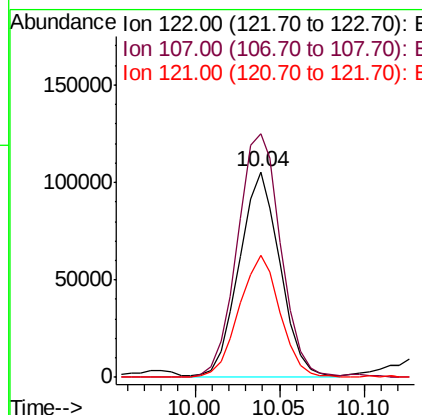
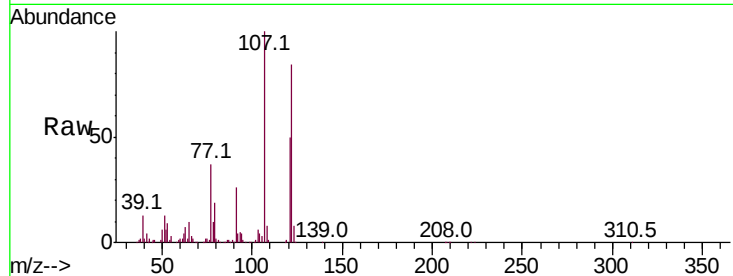




#27
2,4-Dimethylphenol
Concen: 54.450 ng
RT: 10.04 min Scan# 1183
Delta R.T. -0.01 min
Lab File: BG043055.D
Acq: 5 Oct 2019 14:54

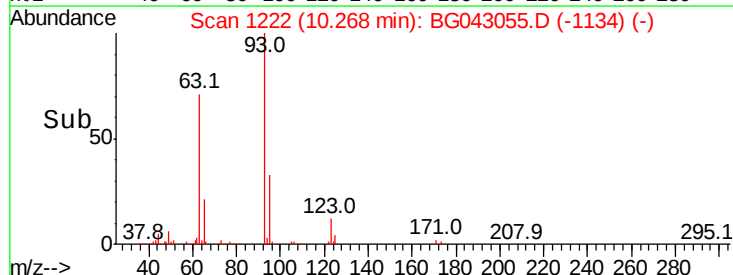
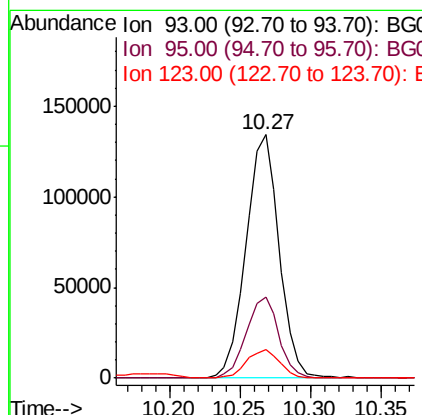
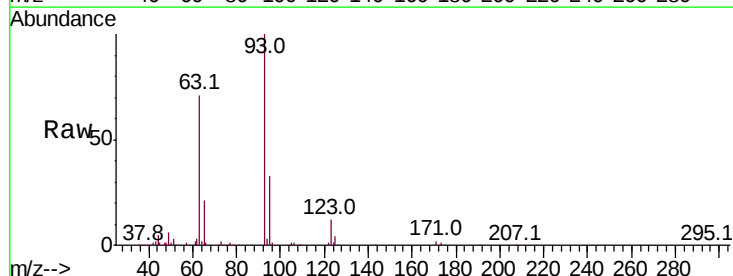
Instrument :
BNA_G
ClientSampleId :
20190773-SS-COMPOSITE-13MSD

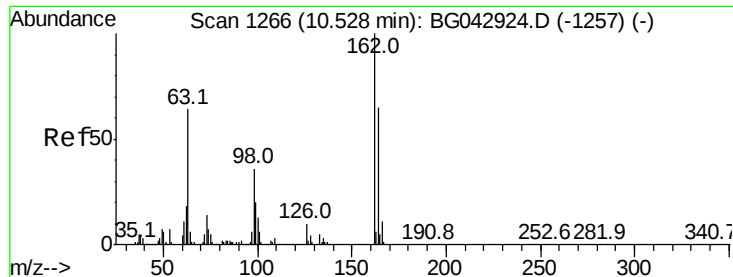
Tot Ion	Ratio	Lower	Upper
122	100		
107	118.4	102.2	153.2
121	59.5	48.5	72.7



#28
bis(2-Chloroethoxy)methane
Concen: 42.859 ng
RT: 10.27 min Scan# 1222
Delta R.T. -0.01 min
Lab File: BG043055.D
Acq: 5 Oct 2019 14:54

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.1	25.4	38.0
123	11.6	9.3	13.9

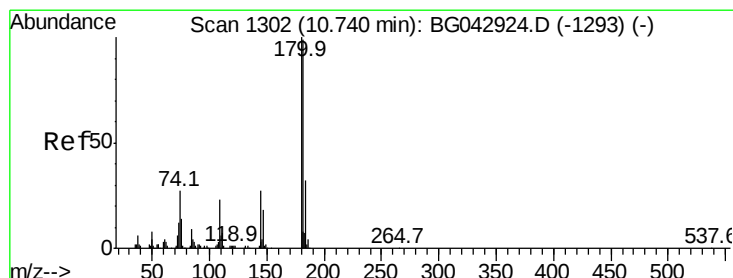
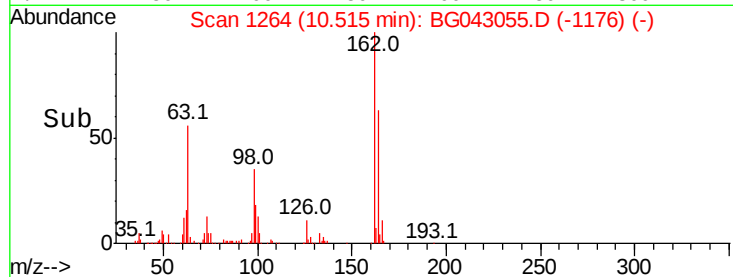
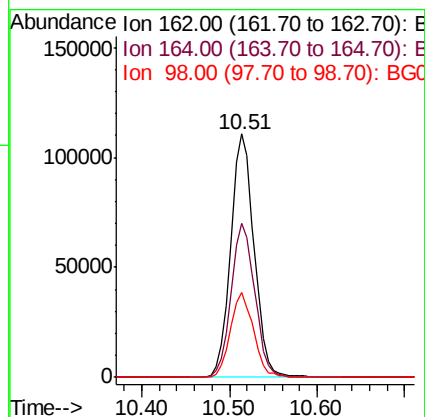
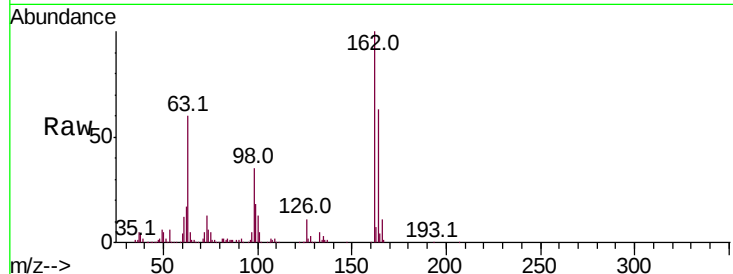




#29
 2,4-Dichlorophenol
 Concen: 50.241 ng
 RT: 10.51 min Scan# 1264
 Delta R.T. -0.01 min
 Lab File: BG043055.D
 Acq: 5 Oct 2019 14:54

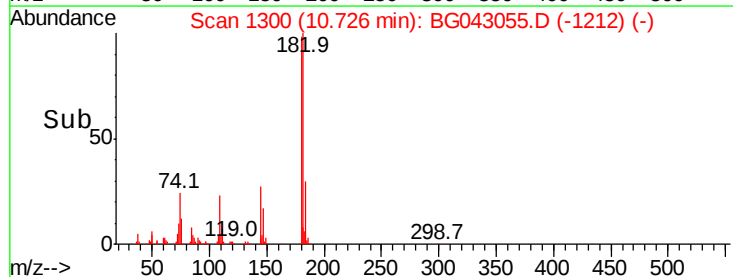
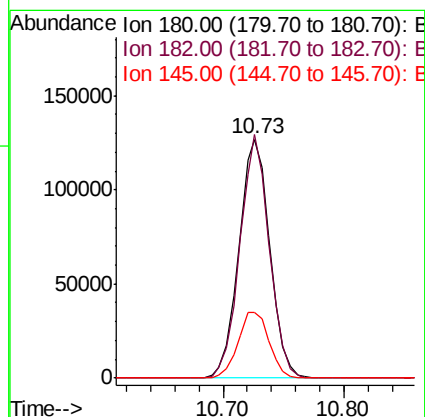
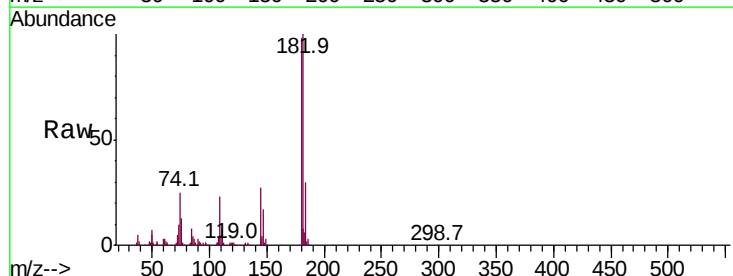
Instrument :
 BNA_G
 ClientSampleId :
 20190773-SS-COMPOSITE-13MSD

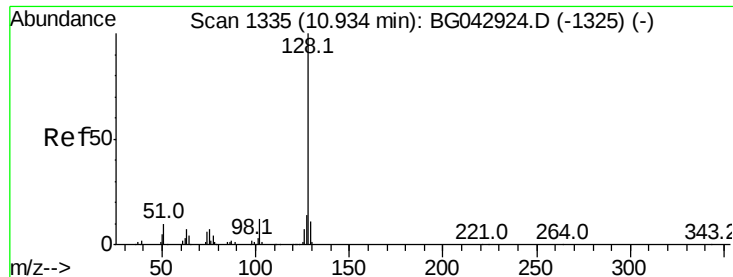
Tot Ion	Ratio	Lower	Upper
162	100		
164	63.2	44.7	84.7
98	35.1	16.0	56.0



#30
 1,2,4-Trichlorobenzene
 Concen: 43.537 ng
 RT: 10.73 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: BG043055.D
 Acq: 5 Oct 2019 14:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	102.1	79.3	118.9
145	27.7	22.0	33.0

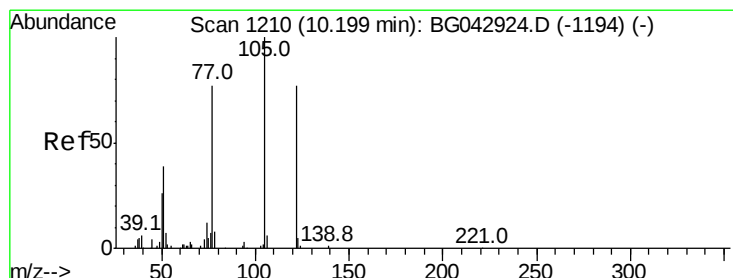
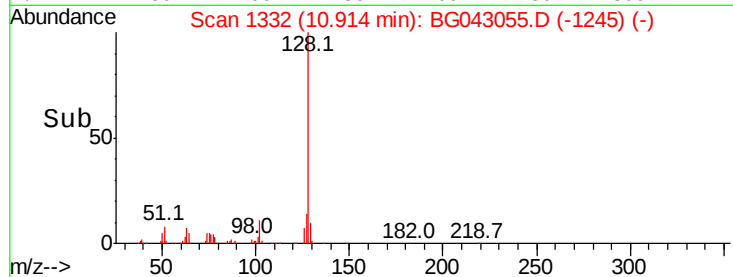
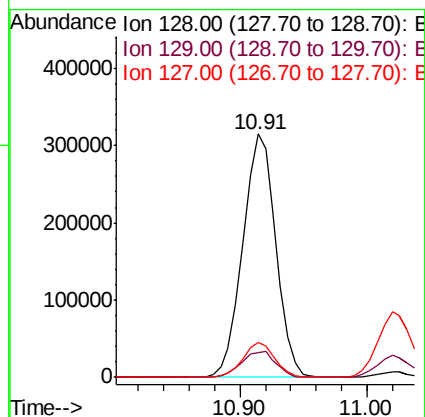
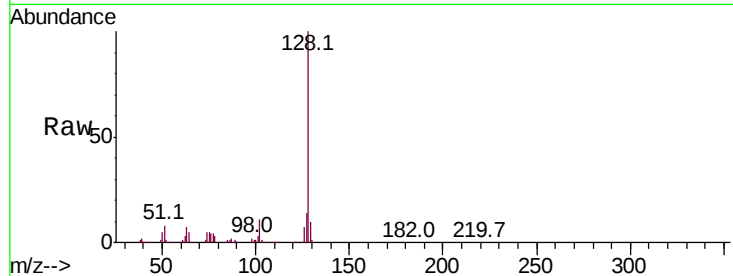




#31
Naphthalene
Concen: 45.803 ng
RT: 10.91 min Scan# 1332
Delta R.T. -0.02 min
Lab File: BG043055.D
Acq: 5 Oct 2019 14:54

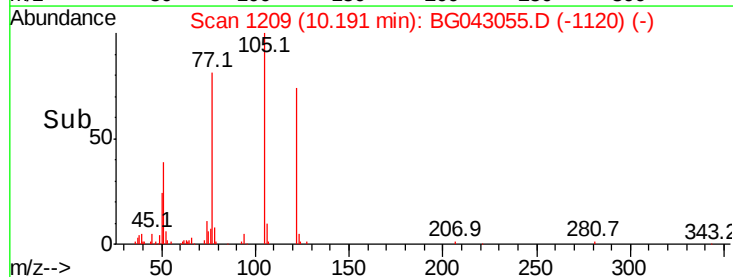
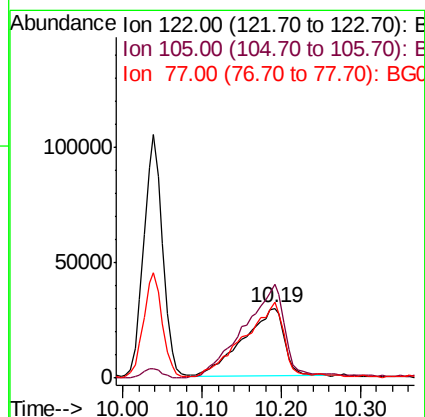
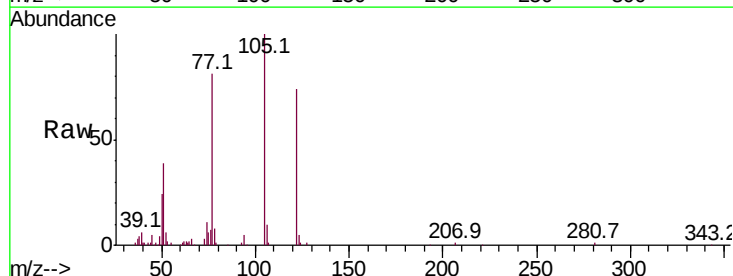
Instrument :
BNA_G
ClientSampleId :
20190773-SS-COMPOSITE-13MSD

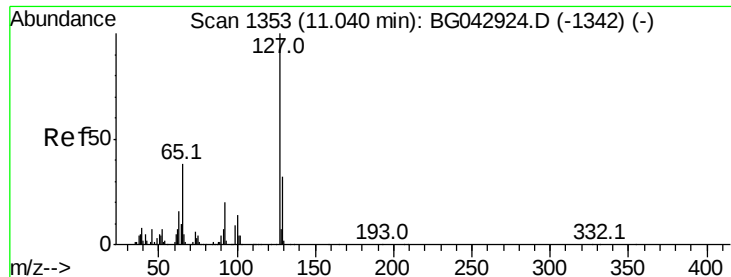
Tot Ion:128 Resp: 567083
Ion Ratio Lower Upper
128 100
129 10.3 8.8 13.2
127 14.5 11.3 16.9



#32
Benzoic acid
Concen: 43.854 ng
RT: 10.19 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BG043055.D
Acq: 5 Oct 2019 14:54

Tgt Ion:122 Resp: 108101
Ion Ratio Lower Upper
122 100
105 134.4 107.5 147.5
77 108.9 79.8 119.8

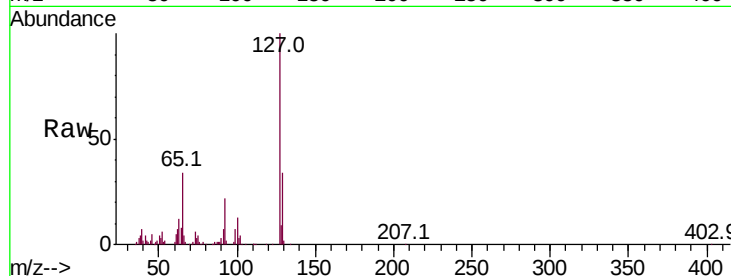




#33
4-Chloroaniline
Concen: 30.128 ng
RT: 11.02 min Scan# 1350
Delta R.T. -0.02 min
Lab File: BG043055.D
Acq: 5 Oct 2019 14:54

Instrument :
BNA_G
ClientSampleId :
20190773-SS-COMPOSITE-13MSD

Tot Ion	Ratio	Lower	Upper
127	100		
129	34.0	26.2	39.2
65	34.0	30.6	45.8
92	22.1	16.2	24.4



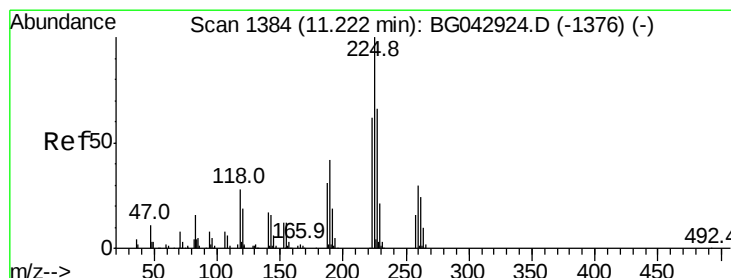
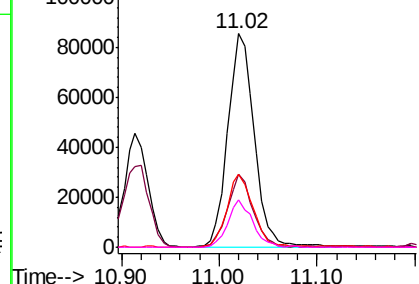
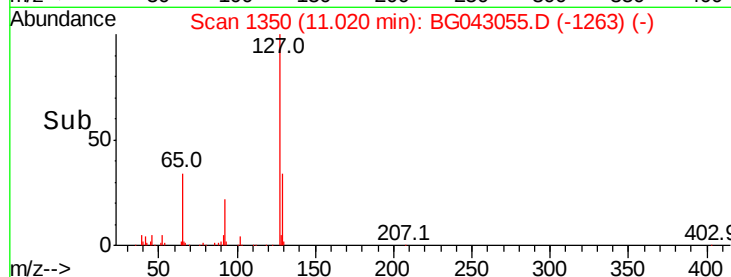
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

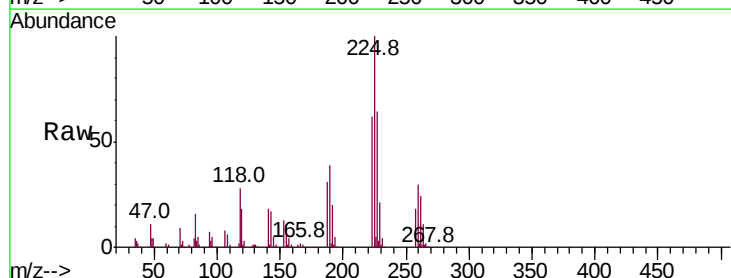
Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC



#34
Hexachlorobutadiene
Concen: 40.940 ng
RT: 11.20 min Scan# 1381
Delta R.T. -0.02 min
Lab File: BG043055.D
Acq: 5 Oct 2019 14:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	49.3	73.9
227	64.4	52.8	79.2

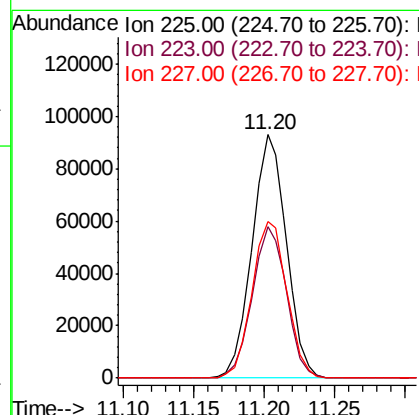
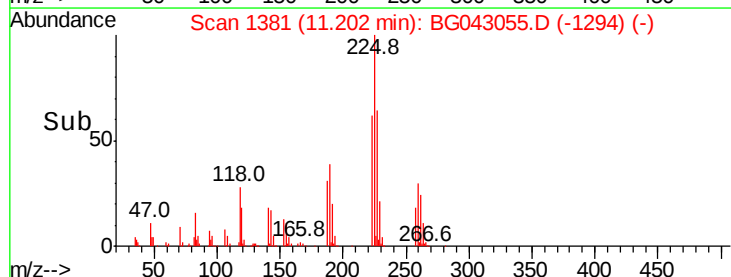


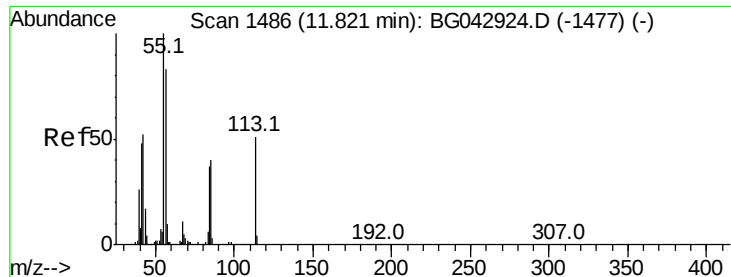
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 28.563 ng

RT: 11.80 min Scan# 1483

Delta R.T. -0.02 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

Instrument :

BNA_G

ClientSampleId :

20190773-SS-COMPOSITE-13MSD

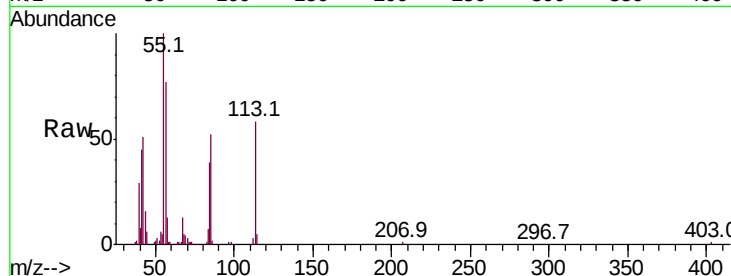
Tot Ion:113 Resp: 40423

Ion Ratio Lower Upper

113 100

55 171.2 175.5 215.5#

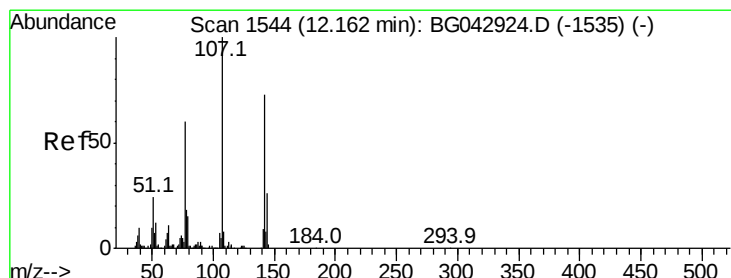
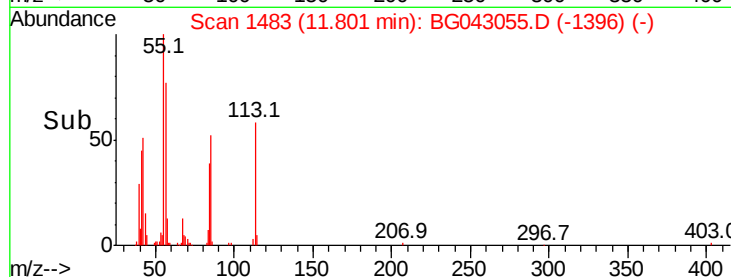
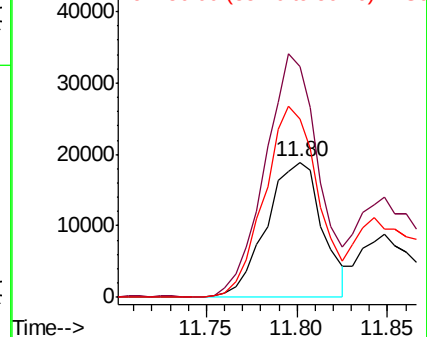
56 132.2 142.3 182.3#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG0

Ion 56.00 (55.70 to 56.70): BG0



#36

4-Chloro-3-methylphenol

Concen: 49.144 ng

RT: 12.15 min Scan# 1542

Delta R.T. -0.01 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

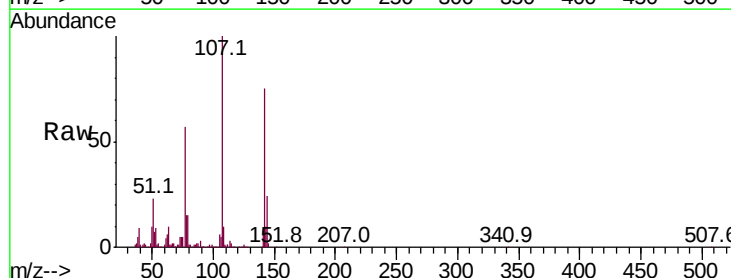
Tgt Ion:107 Resp: 214432

Ion Ratio Lower Upper

107 100

144 24.2 20.7 31.1

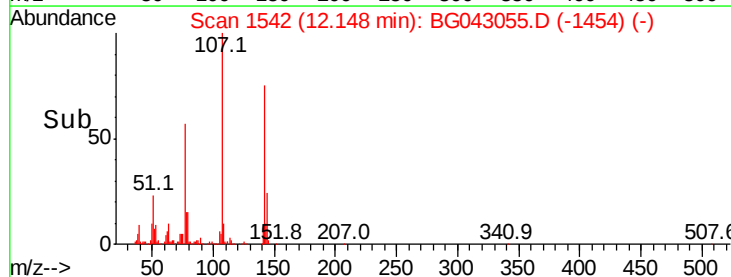
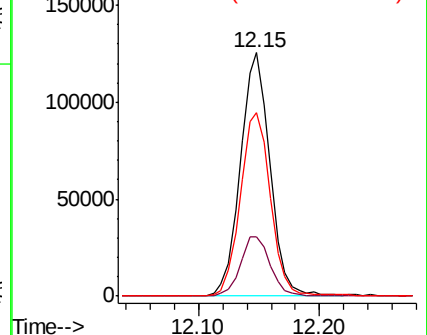
142 75.3 58.6 87.8

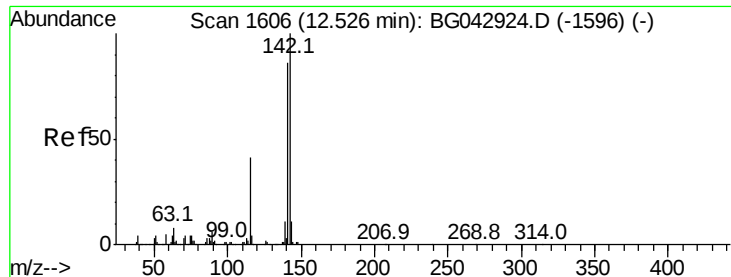


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

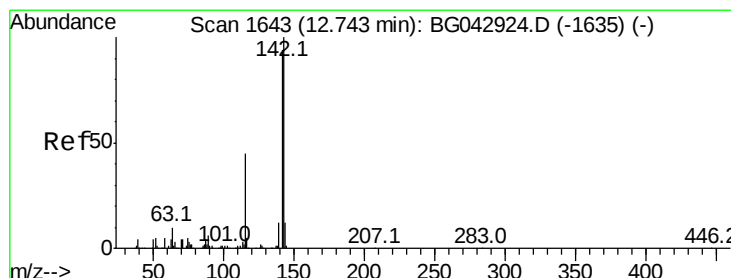
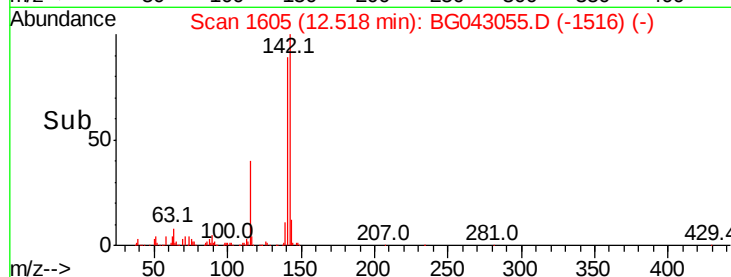
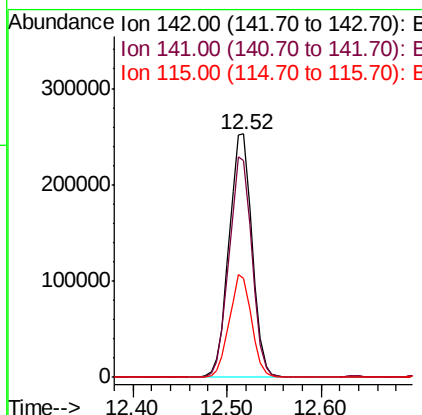
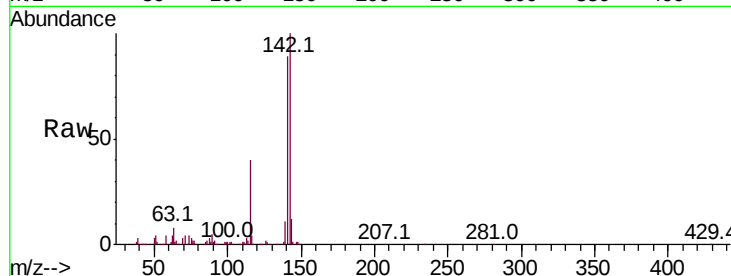




#37
2-Methylnaphthalene
Concen: 45.626 ng
RT: 12.52 min Scan# 1605
Delta R.T. -0.01 min
Lab File: BG043055.D
Acq: 5 Oct 2019 14:54

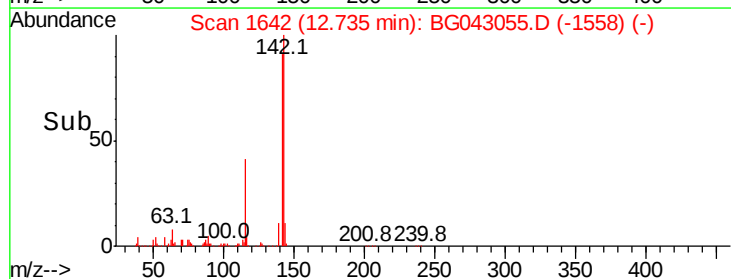
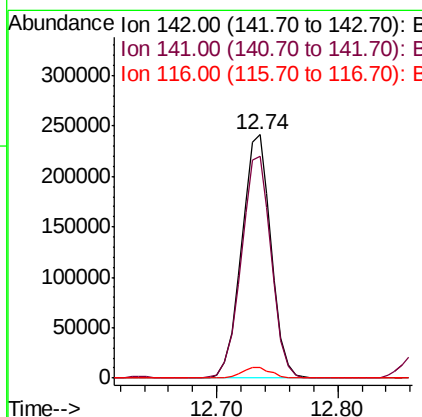
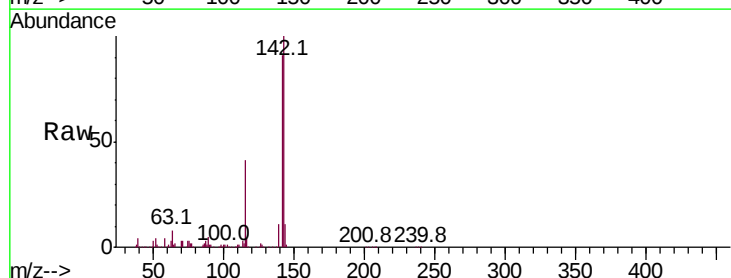
Instrument :
BNA_G
ClientSampleId :
20190773-SS-COMPOSITE-13MSD

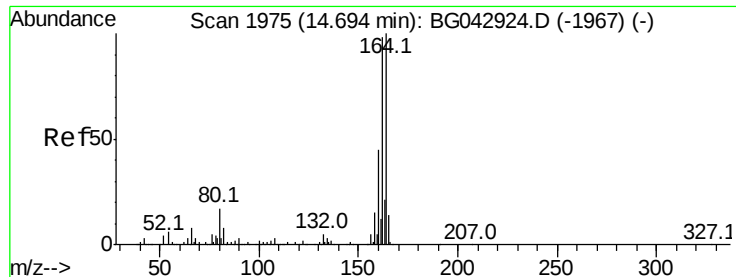
Tot Ion	Ratio	Lower	Upper
142	100		
141	89.2	69.0	103.4
115	40.4	32.8	49.2



#38
1-Methylnaphthalene
Concen: 45.694 ng
RT: 12.74 min Scan# 1642
Delta R.T. -0.01 min
Lab File: BG043055.D
Acq: 5 Oct 2019 14:54

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.0	74.9	112.3
116	4.3	3.7	5.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.01 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

Instrument :

BNA_G

ClientSampleId :

20190773-SS-COMPOSITE-13MSD

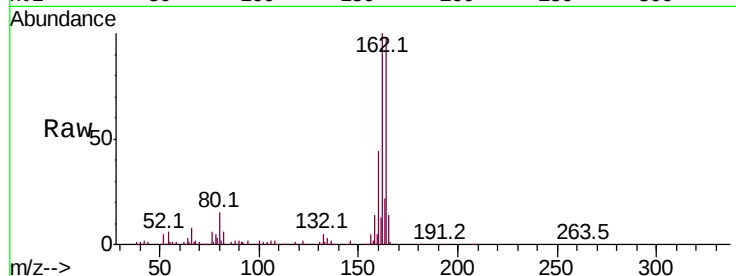
Tot Ion:164 Resp: 179746

Ion Ratio Lower Upper

164 100

162 101.8 78.5 117.7

160 44.9 35.9 53.9

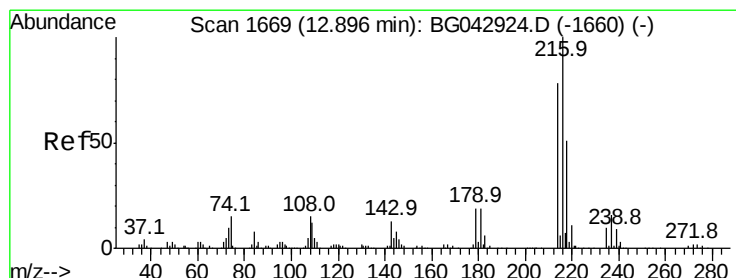
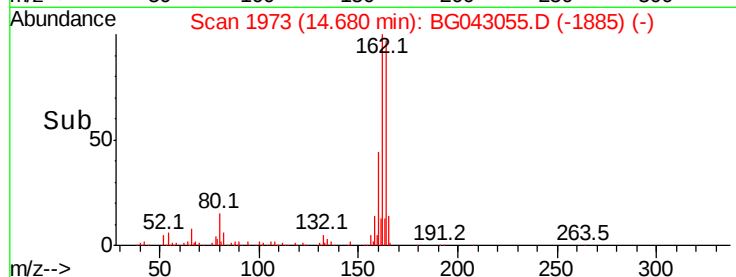
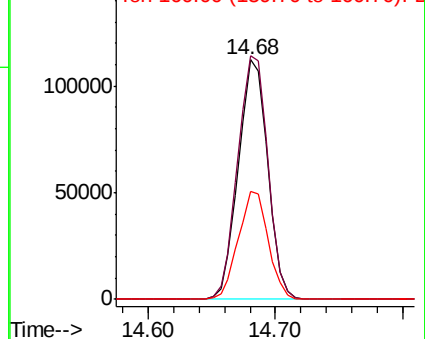


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 41.800 ng

RT: 12.88 min Scan# 1667

Delta R.T. -0.01 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

Tgt Ion:216 Resp: 282498

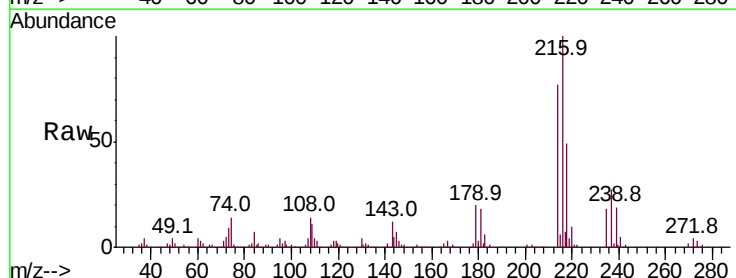
Ion Ratio Lower Upper

216 100

214 77.9 62.4 93.6

179 20.0 15.4 23.2

108 16.8 12.6 19.0



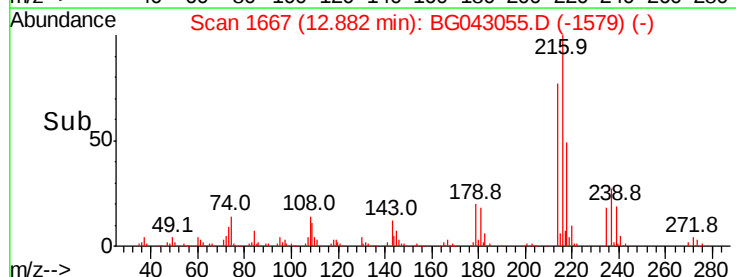
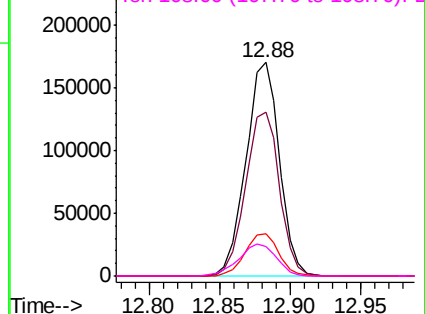
Abundance

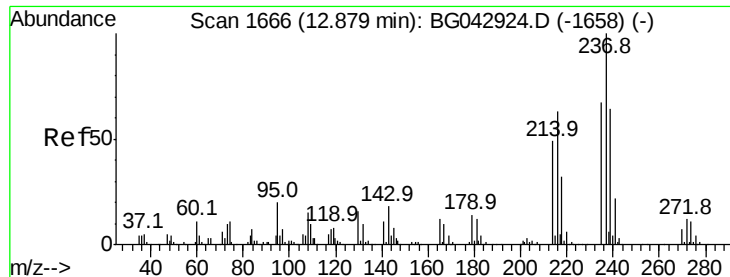
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 85.125 ng

RT: 12.86 min Scan# 1664

Delta R.T. -0.01 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

Instrument :

BNA_G

ClientSampleId :

20190773-SS-COMPOSITE-13MSD

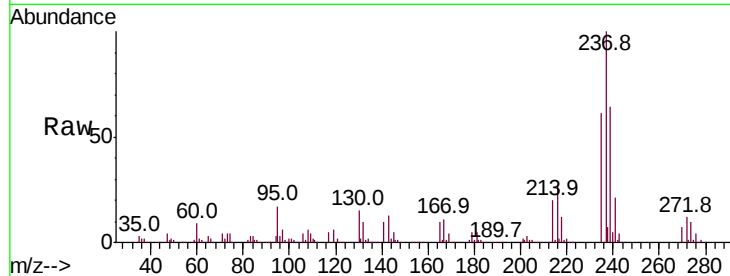
Tot Ion:237 Resp: 366555

Ion Ratio Lower Upper

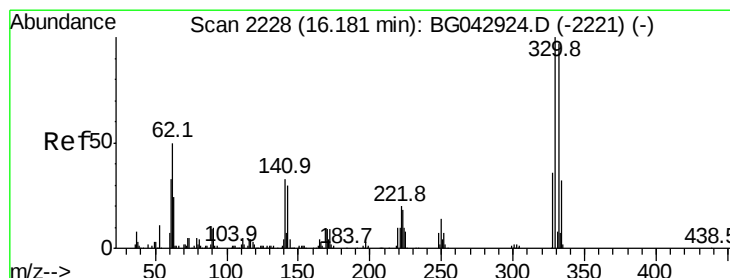
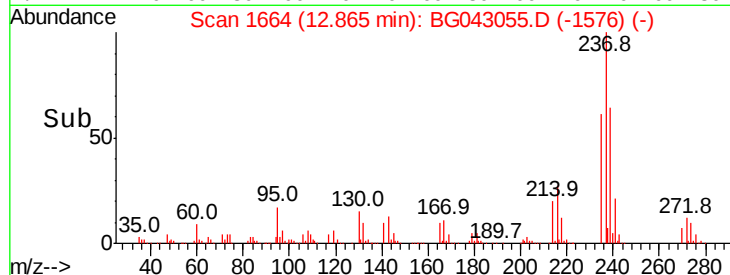
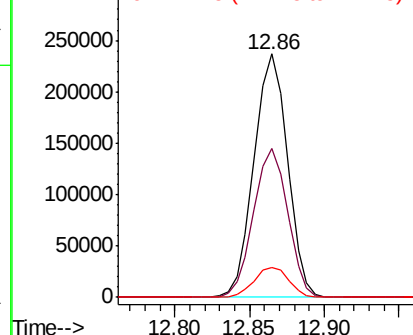
237 100

235 61.2 46.7 86.7

272 12.5 0.0 32.3



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 112.780 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.01 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

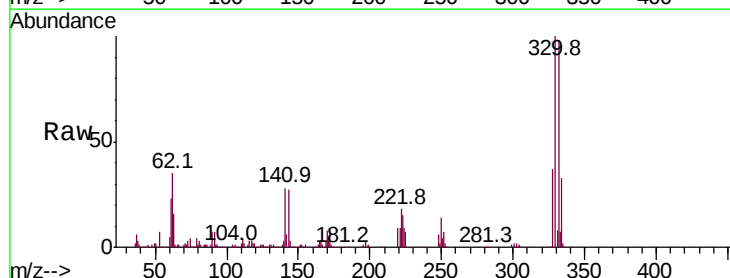
Tgt Ion:330 Resp: 348586

Ion Ratio Lower Upper

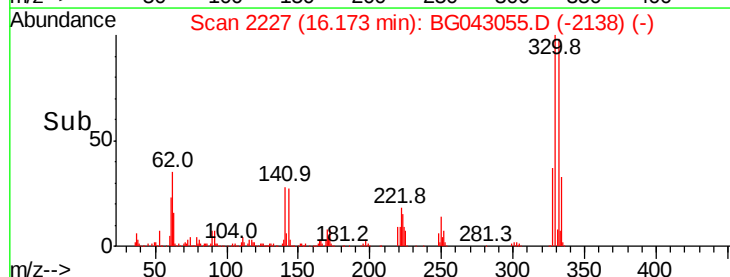
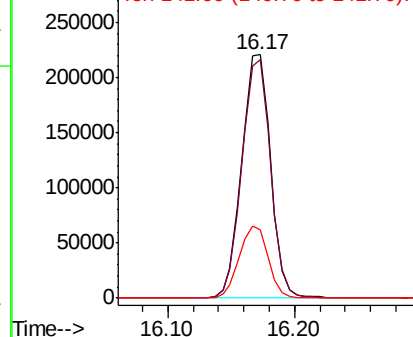
330 100

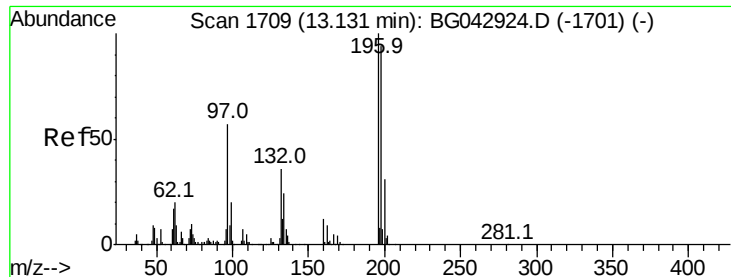
332 97.1 78.2 117.2

141 29.6 26.0 39.0



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

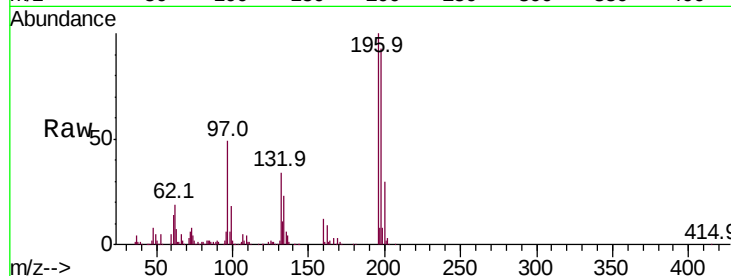




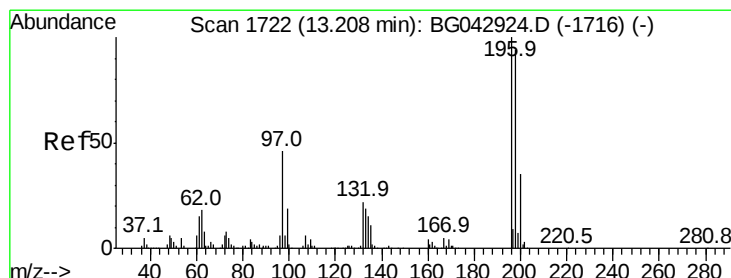
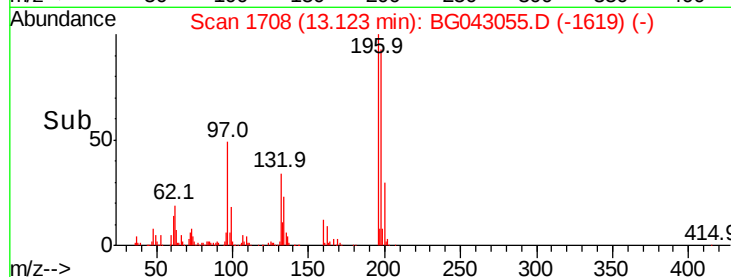
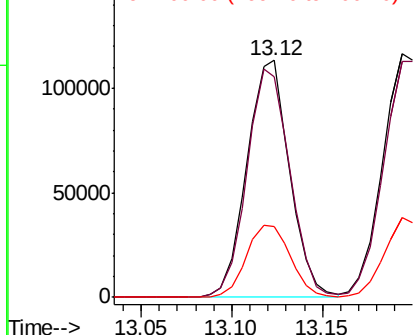
#43
2,4,6-Trichlorophenol
Concen: 46.832 ng
RT: 13.12 min Scan# 1708
Delta R.T. -0.01 min
Lab File: BG043055.D
Acq: 5 Oct 2019 14:54

Instrument :
BNA_G
ClientSampleId :
20190773-SS-COMPOSITE-13MSD

Tot Ion:196 Resp: 185252
Ion Ratio Lower Upper
196 100
198 93.1 75.5 113.3
200 29.8 24.9 37.3

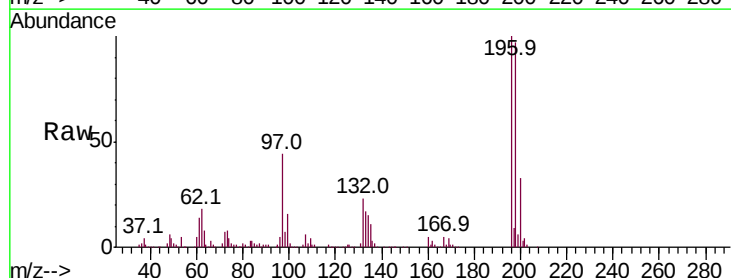


Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 200.00 (199.70 to 200.70): E

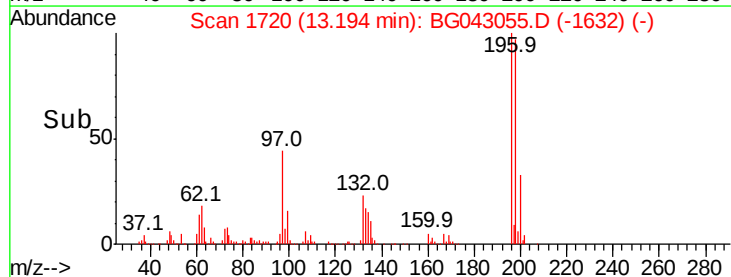
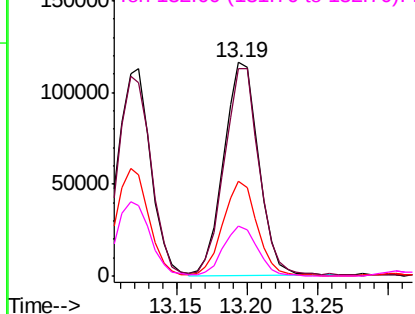


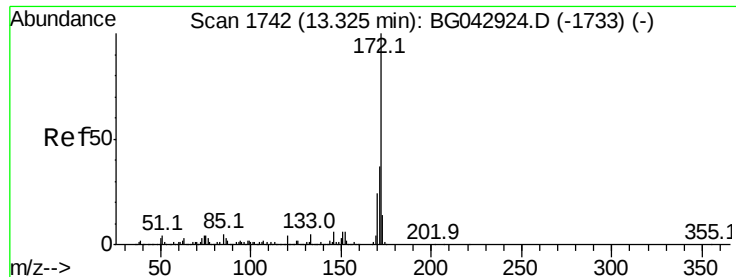
#44
2,4,5-Trichlorophenol
Concen: 48.970 ng
RT: 13.19 min Scan# 1720
Delta R.T. -0.01 min
Lab File: BG043055.D
Acq: 5 Oct 2019 14:54

Tgt Ion:196 Resp: 199550
Ion Ratio Lower Upper
196 100
198 96.9 75.1 112.7
97 44.3 37.0 55.4
132 23.4 17.5 26.3



Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 97.00 (96.70 to 97.70): BGC
Ion 132.00 (131.70 to 132.70): E

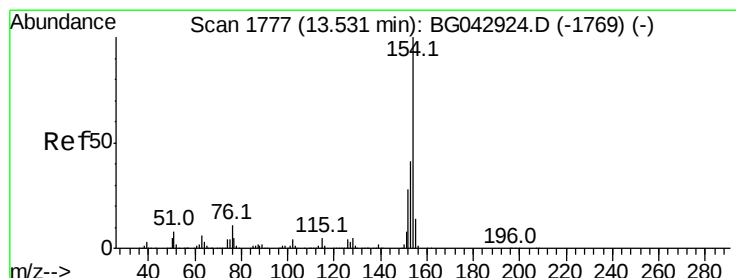
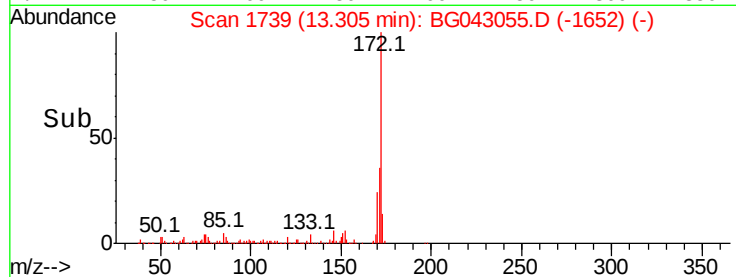
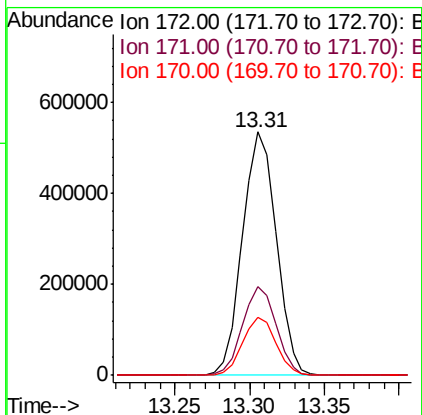
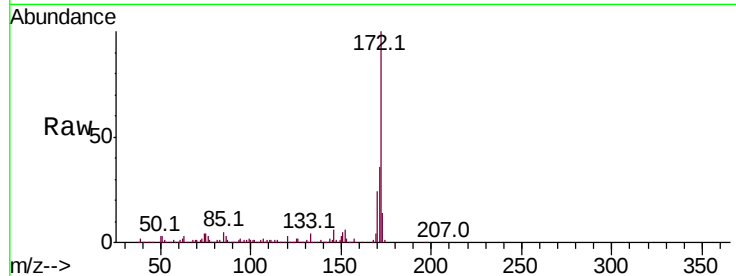




#45
2-Fluorobiphenyl
Concen: 67.705 ng
RT: 13.31 min Scan# 1739
Delta R.T. -0.02 min
Lab File: BG043055.D
Acq: 5 Oct 2019 14:54

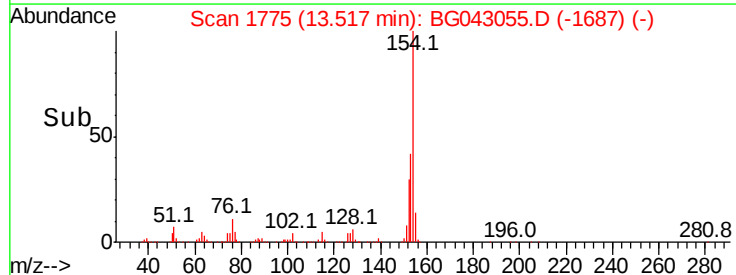
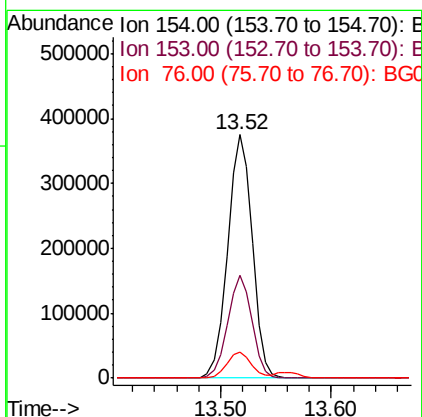
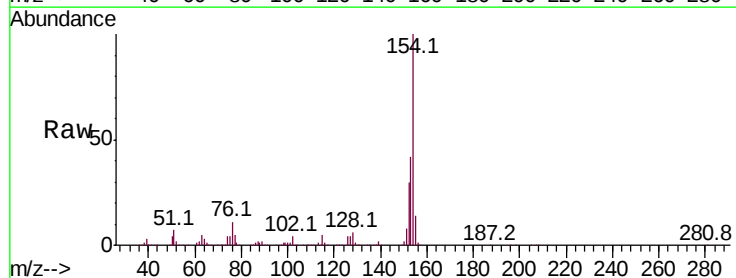
Instrument :
BNA_G
ClientSampleId :
20190773-SS-COMPOSITE-13MSD

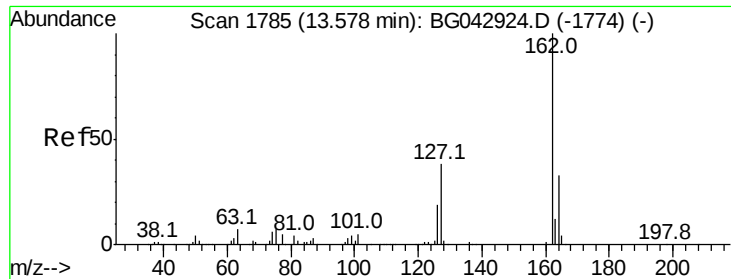
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.6	44.4
170	23.9	19.6	29.4



#46
1,1'-Biphenyl
Concen: 42.777 ng
RT: 13.52 min Scan# 1775
Delta R.T. -0.01 min
Lab File: BG043055.D
Acq: 5 Oct 2019 14:54

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.4	21.4	61.4
76	10.8	0.0	31.3





#47

2-Chloronaphthalene

Concen: 44.360 ng

RT: 13.56 min Scan# 1782

Delta R.T. -0.02 min

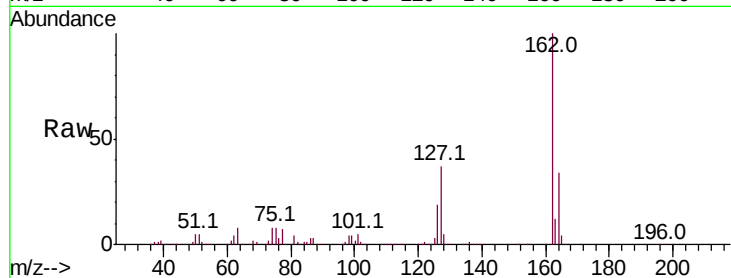
Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

Instrument :
BNA_G
ClientSampleId :
20190773-SS-COMPOSITE-13MSD

Tot Ion:162 Resp: 453344

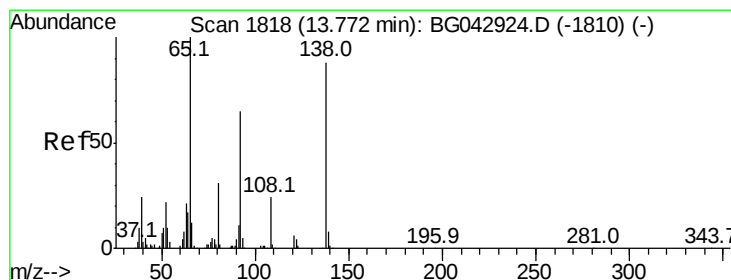
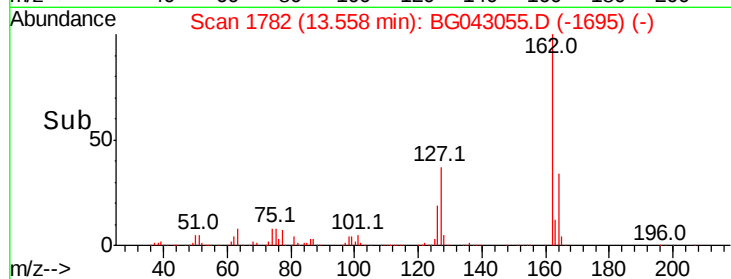
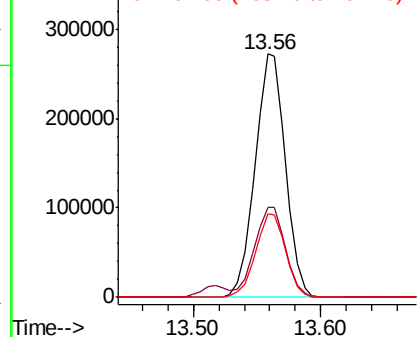
Ion	Ratio	Lower	Upper
162	100		
127	37.0	31.0	46.6
164	34.2	26.2	39.2



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48

2-Nitroaniline

Concen: 43.436 ng

RT: 13.76 min Scan# 1817

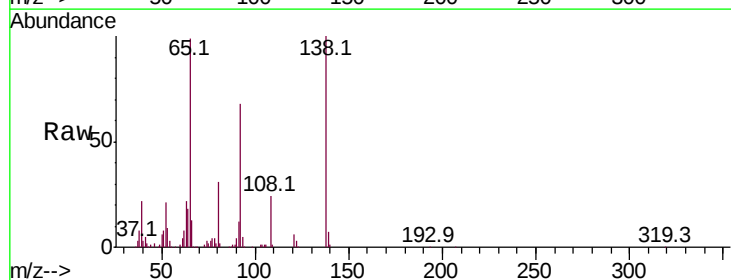
Delta R.T. -0.01 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

Tgt Ion: 65 Resp: 147619

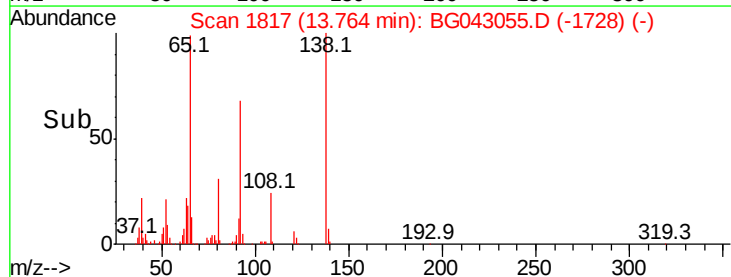
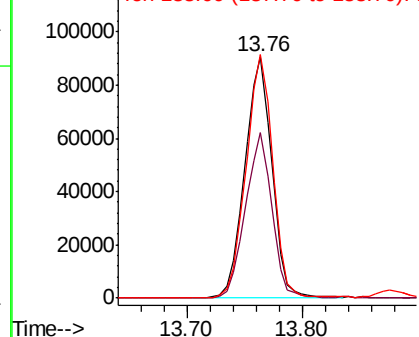
Ion	Ratio	Lower	Upper
65	100		
92	68.5	52.0	78.0
138	100.8	70.4	105.6

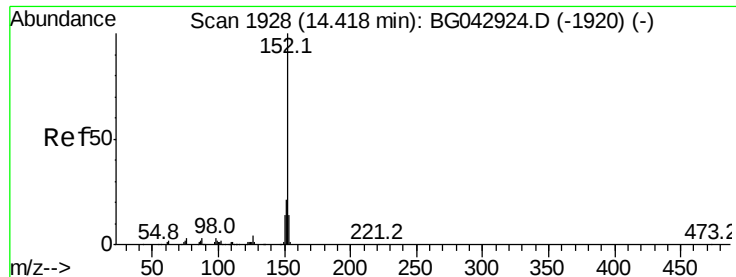


Abundance Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 46.904 ng

RT: 14.40 min Scan# 1926

Delta R.T. -0.01 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

Instrument :

BNA_G

ClientSampleId :

20190773-SS-COMPOSITE-13MSD

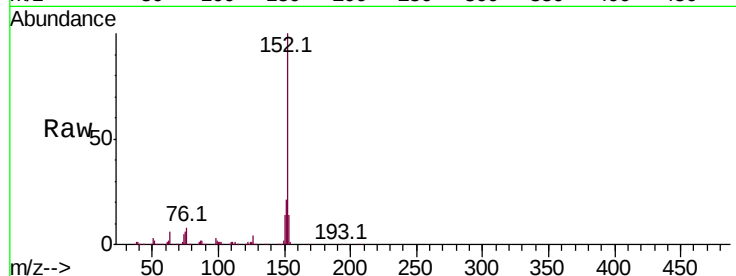
Tot Ion:152 Resp: 733472

Ion Ratio Lower Upper

152 100

151 21.4 16.8 25.2

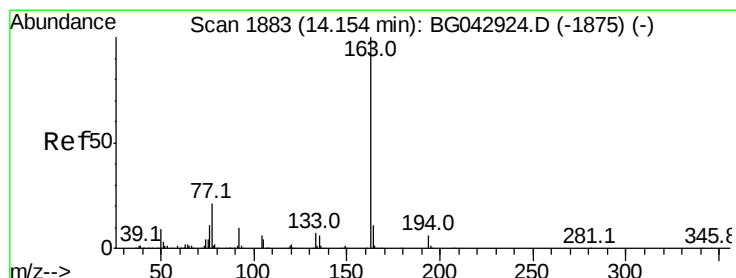
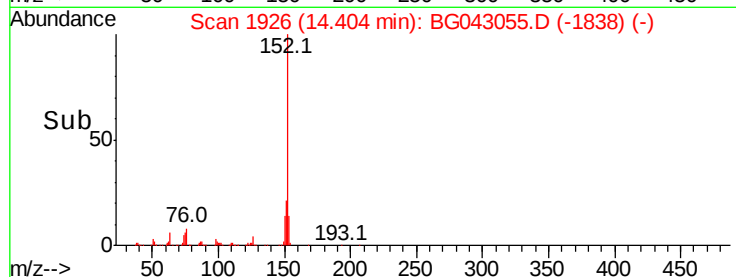
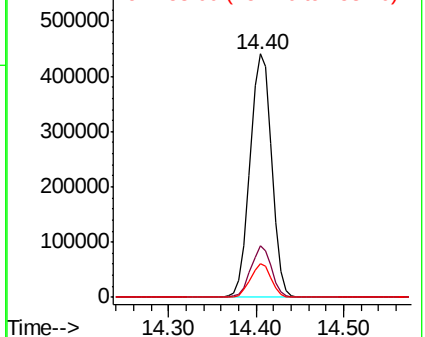
153 14.0 11.3 16.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 54.182 ng

RT: 14.14 min Scan# 1881

Delta R.T. -0.01 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

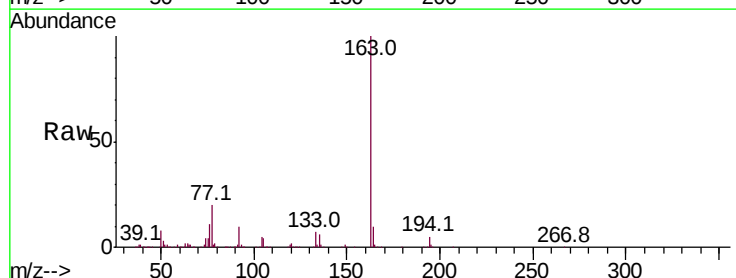
Tgt Ion:163 Resp: 729708

Ion Ratio Lower Upper

163 100

194 4.8 4.4 6.6

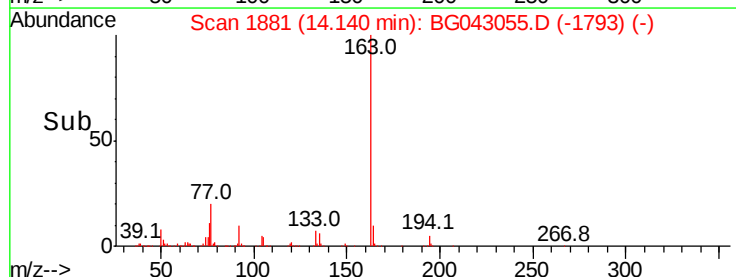
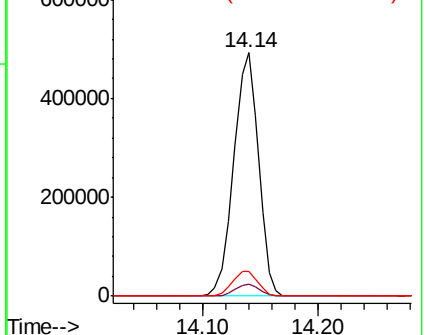
164 10.4 8.6 12.8

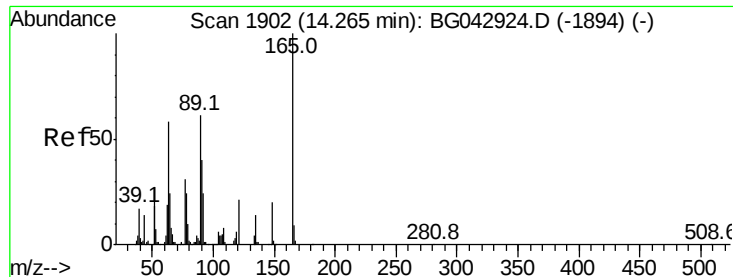


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 47.700 ng

RT: 14.25 min Scan# 1900

Delta R.T. -0.01 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

Instrument :

BNA_G

ClientSampleId :

20190773-SS-COMPOSITE-13MSD

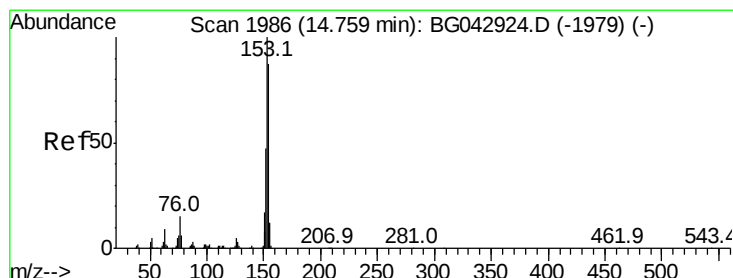
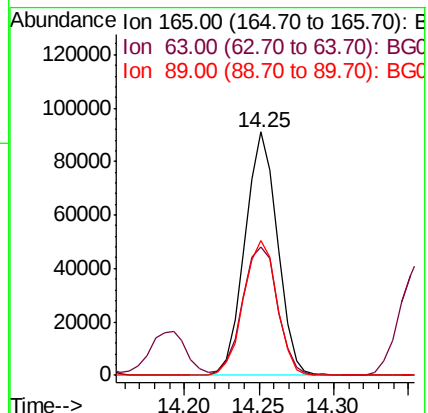
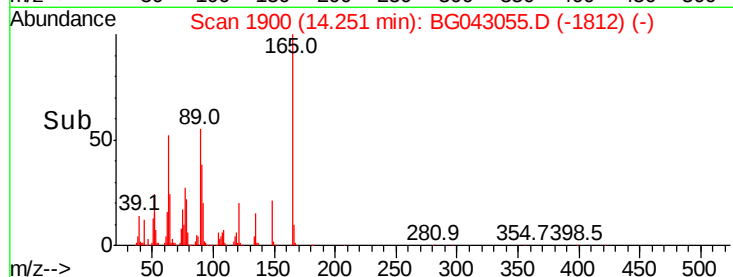
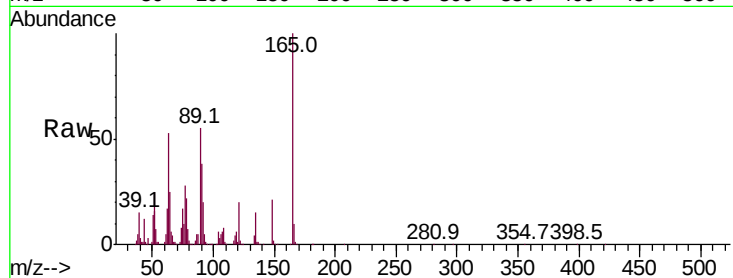
Tot Ion:165 Resp: 136805

Ion Ratio Lower Upper

165 100

63 52.9 50.3 75.5

89 55.3 48.9 73.3



#52

Acenaphthene

Concen: 42.833 ng

RT: 14.74 min Scan# 1984

Delta R.T. -0.01 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

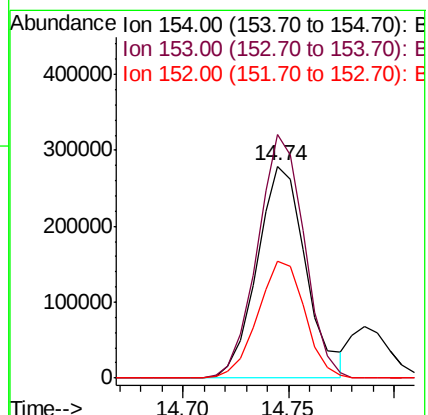
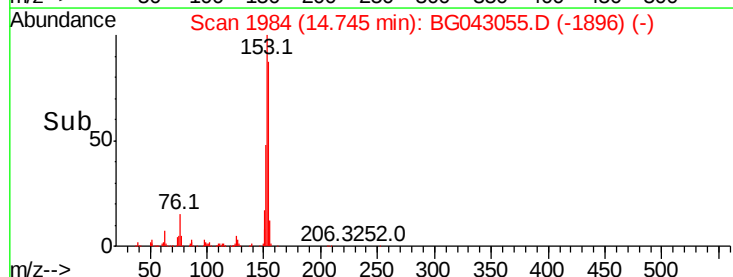
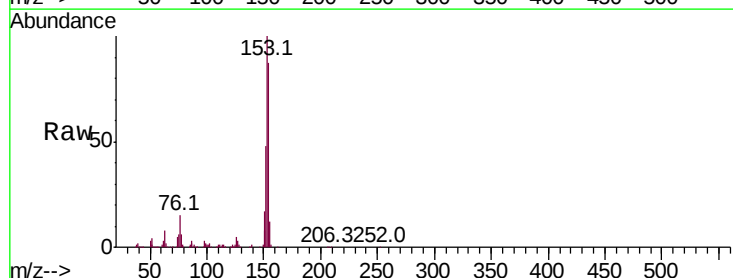
Tgt Ion:154 Resp: 448340

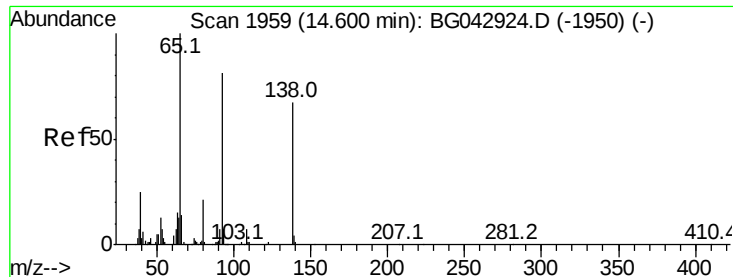
Ion Ratio Lower Upper

154 100

153 114.7 91.4 137.0

152 55.2 42.8 64.2





#53

3-Nitroaniline

Concen: 34.763 ng

RT: 14.59 min Scan# 1957

Delta R.T. -0.01 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

Instrument :

BNA_G

ClientSampleId :

20190773-SS-COMPOSITE-13MSD

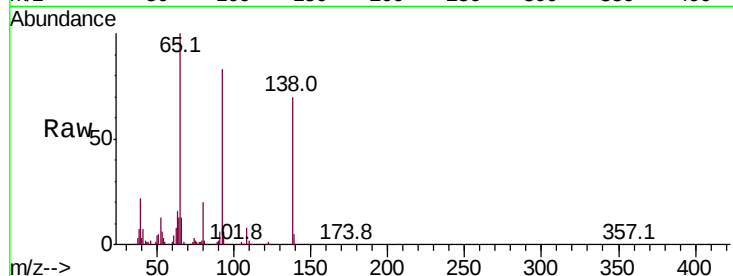
Tot Ion:138 Resp: 103038

Ion Ratio Lower Upper

138 100

108 11.7 7.9 11.9

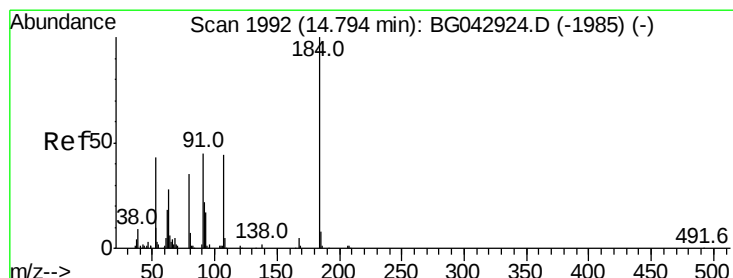
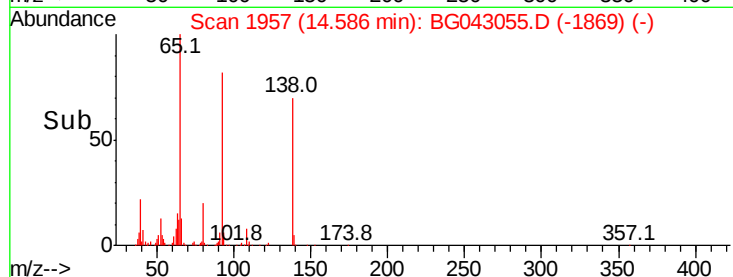
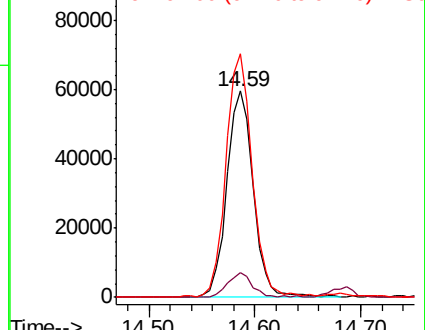
92 118.0 97.0 145.6



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



#54

2,4-Dinitrophenol

Concen: 86.667 ng

RT: 14.79 min Scan# 1991

Delta R.T. -0.01 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

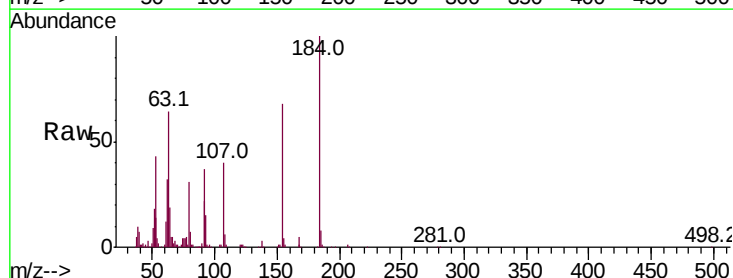
Tgt Ion:184 Resp: 154504

Ion Ratio Lower Upper

184 100

63 63.8 55.0 82.6

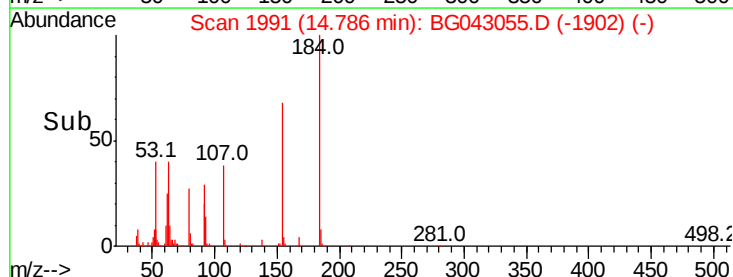
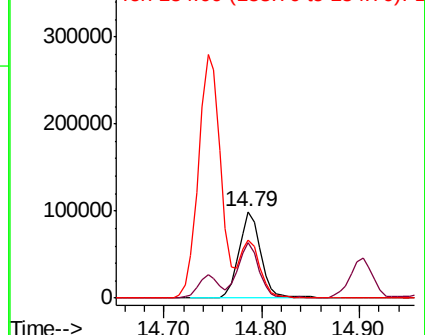
154 68.0 56.5 84.7

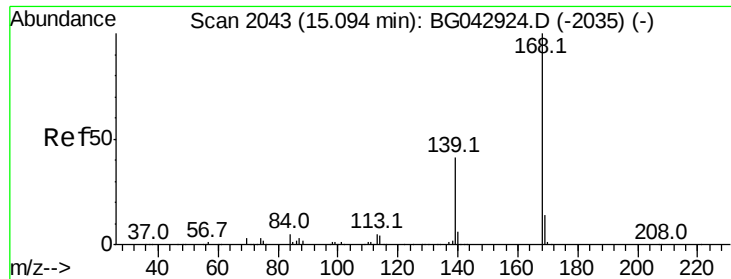


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

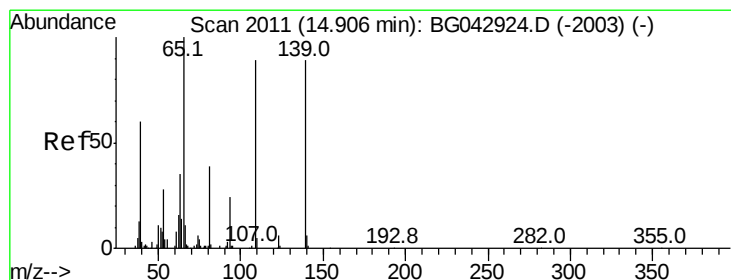
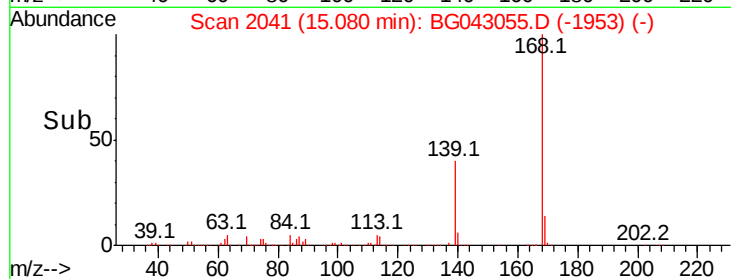
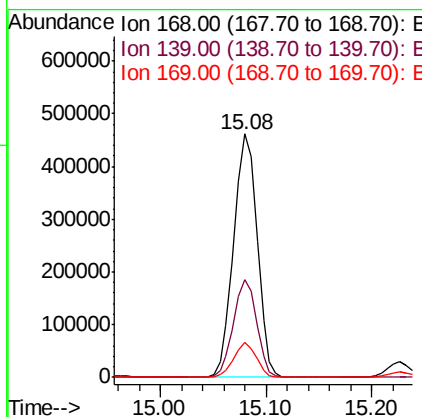
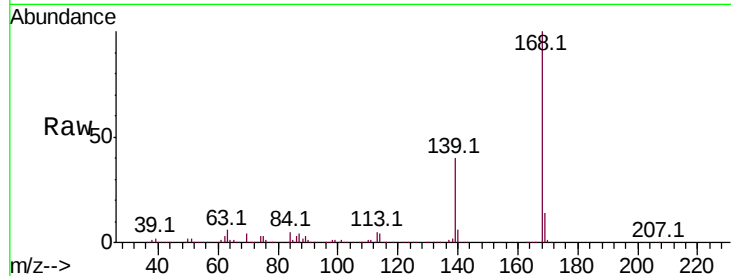




#55
Dibenzofuran
Concen: 45.915 ng
RT: 15.08 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BG043055.D
Acq: 5 Oct 2019 14:54

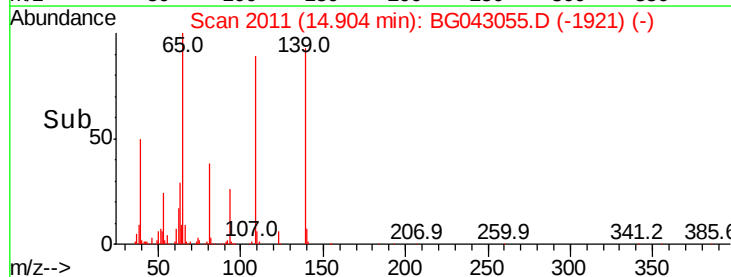
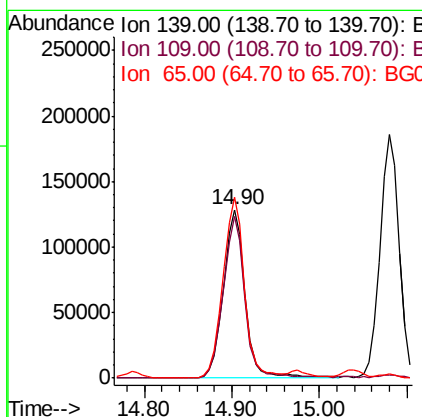
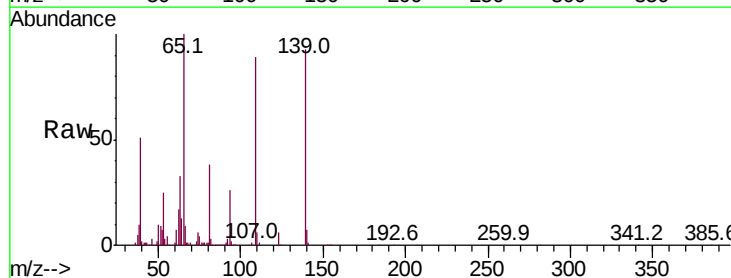
Instrument :
BNA_G
ClientSampleId :
20190773-SS-COMPOSITE-13MSD

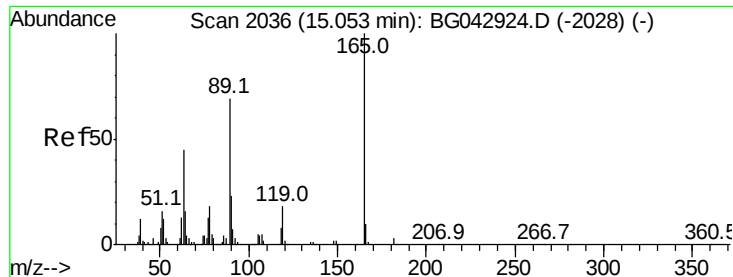
Tot Ion	Ratio	Lower	Upper
168	100		
139	40.2	32.6	48.8
169	14.3	11.2	16.8



#56
4-Nitrophenol
Concen: 97.694 ng
RT: 14.90 min Scan# 2011
Delta R.T. -0.00 min
Lab File: BG043055.D
Acq: 5 Oct 2019 14:54

Tgt Ion	Ratio	Lower	Upper
139	100		
109	95.9	79.4	119.4
65	107.6	92.5	132.5

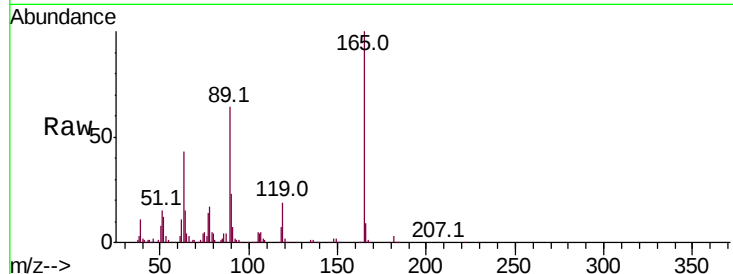




#57
2,4-Dinitrotoluene
Concen: 46.527 ng
RT: 15.04 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BG043055.D
Acq: 5 Oct 2019 14:54

Instrument :
BNA_G
ClientSampleId :
20190773-SS-COMPOSITE-13MSD

Tot Ion	Ratio	Lower	Upper
165	100		
63	42.7	36.5	54.7
89	64.1	55.5	83.3
182	2.6	2.4	3.6



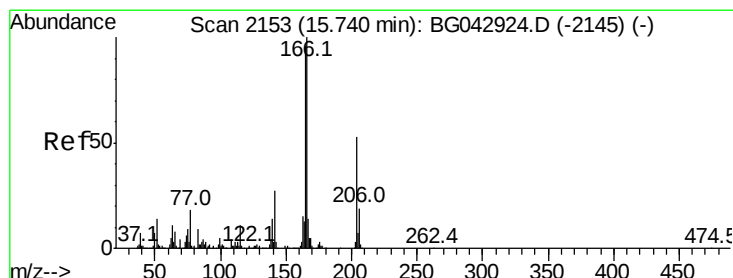
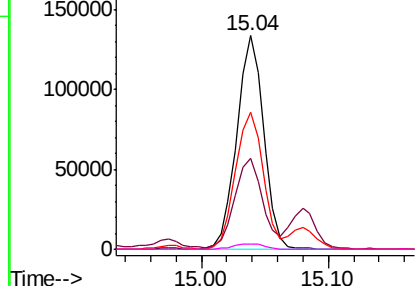
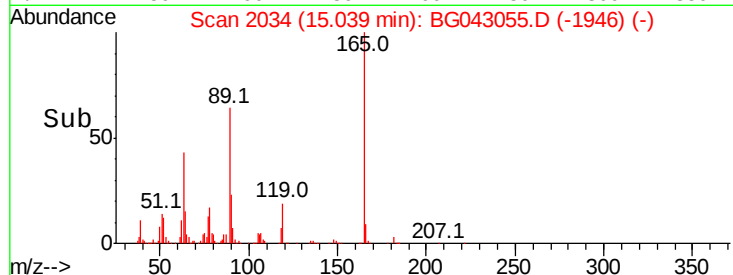
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

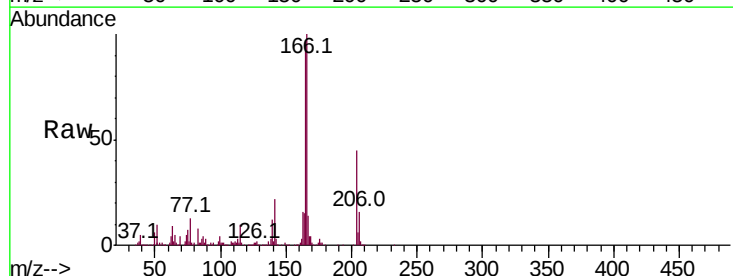
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#58
Fluorene
Concen: 45.210 ng
RT: 15.73 min Scan# 2151
Delta R.T. -0.01 min
Lab File: BG043055.D
Acq: 5 Oct 2019 14:54

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.4	77.1	115.7
167	13.5	11.0	16.6

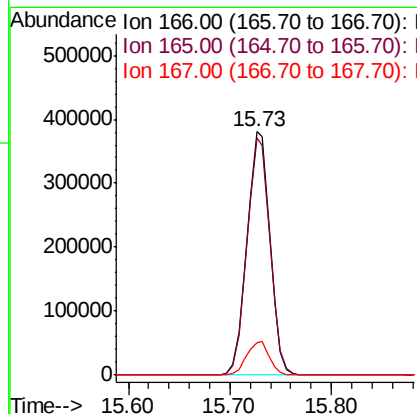
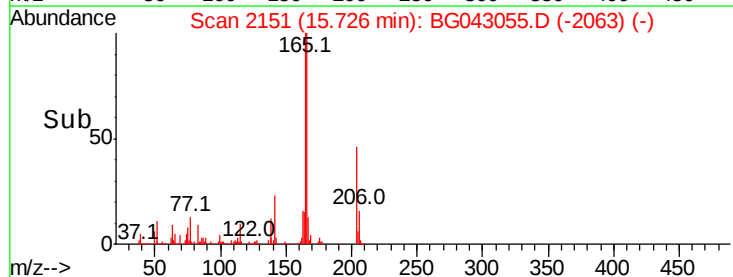


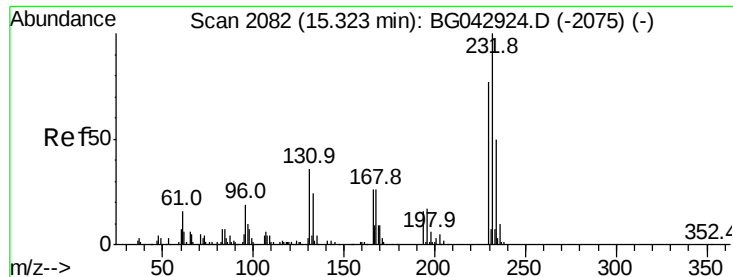
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#59

2,3,4,6-Tetrachlorophenol

Concen: 45.935 ng

RT: 15.31 min Scan# 2080

Delta R.T. -0.01 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

Instrument :

BNA_G

ClientSampleId :

20190773-SS-COMPOSITE-13MSD

Tot Ion:232 Resp: 199300

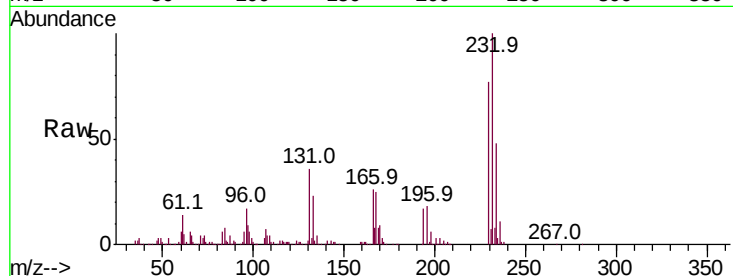
Ion Ratio Lower Upper

232 100

131 36.4 29.6 44.4

130 2.2 1.9 2.9

166 27.3 21.8 32.8

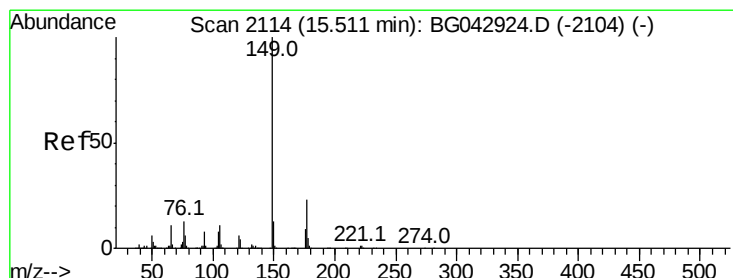
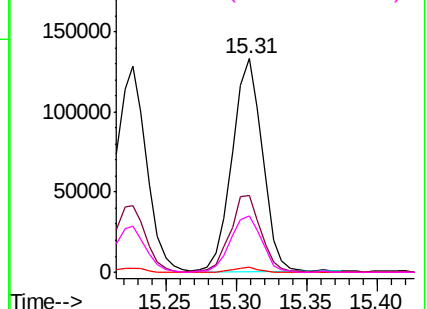
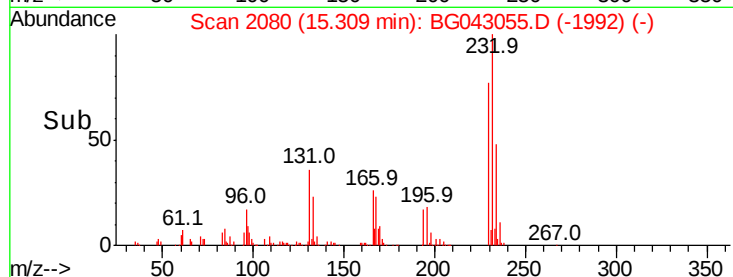


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60

Diethylphthalate

Concen: 42.912 ng

RT: 15.50 min Scan# 2112

Delta R.T. -0.01 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

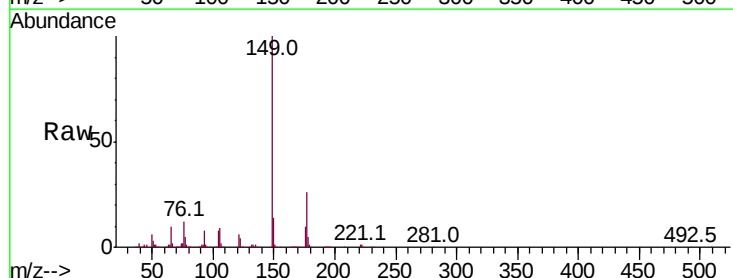
Tgt Ion:149 Resp: 588160

Ion Ratio Lower Upper

149 100

177 25.7 18.8 28.2

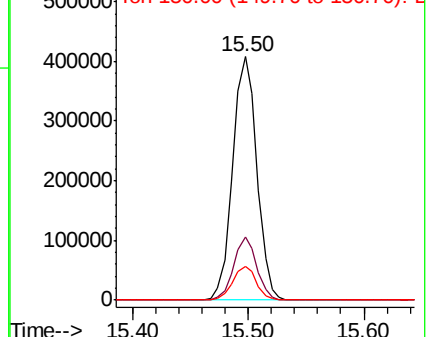
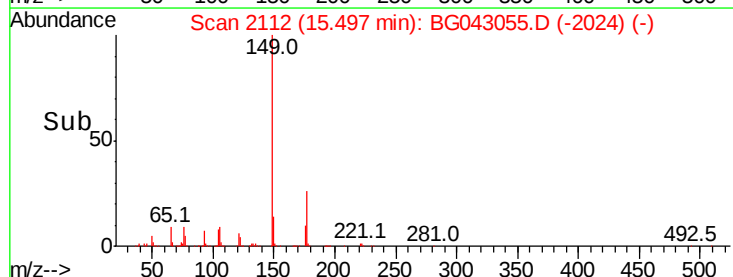
150 13.6 10.6 15.8

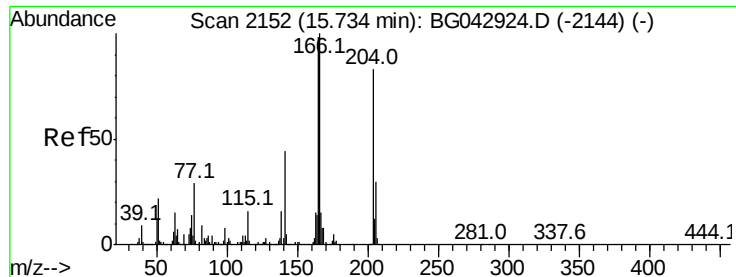


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

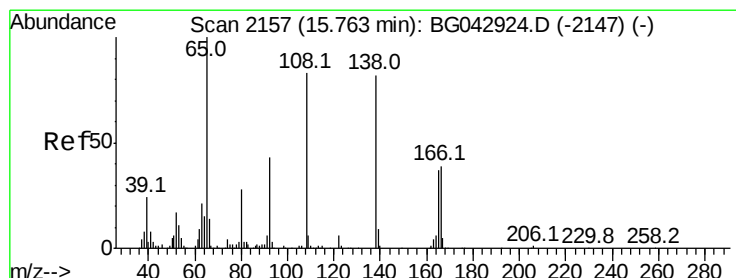
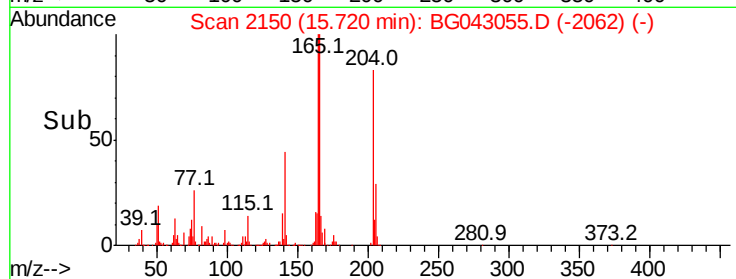
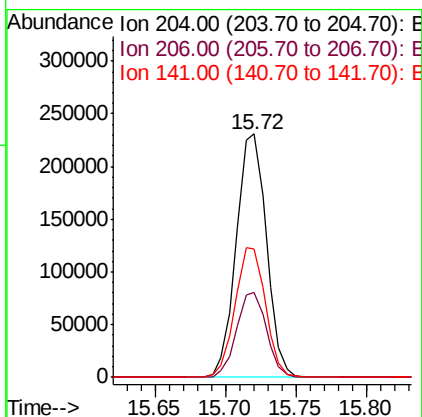
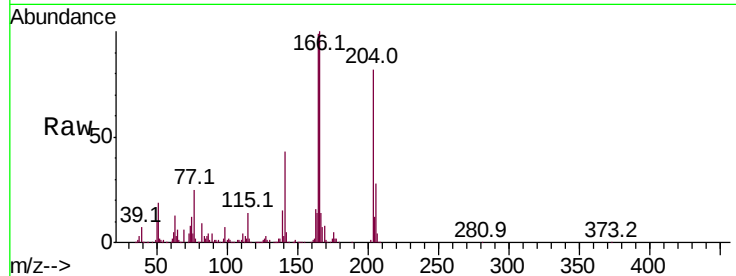




#61
4-Chlorophenyl-phenylether
Concen: 43.497 ng
RT: 15.72 min Scan# 2150
Delta R.T. -0.01 min
Lab File: BG043055.D
Acq: 5 Oct 2019 14:54

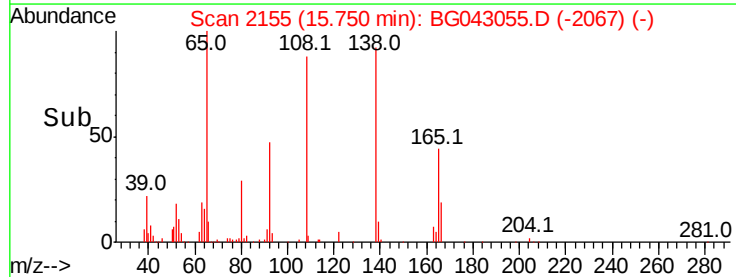
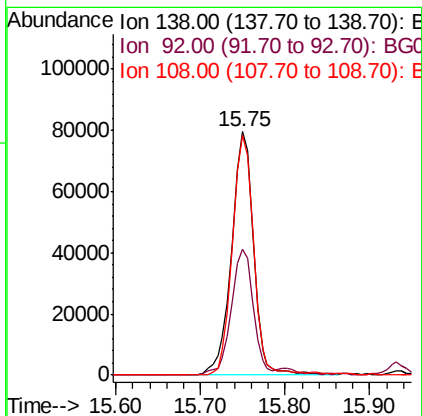
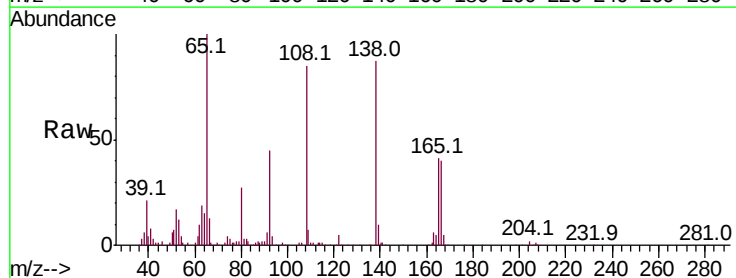
Instrument :
BNA_G
ClientSampleId :
20190773-SS-COMPOSITE-13MSD

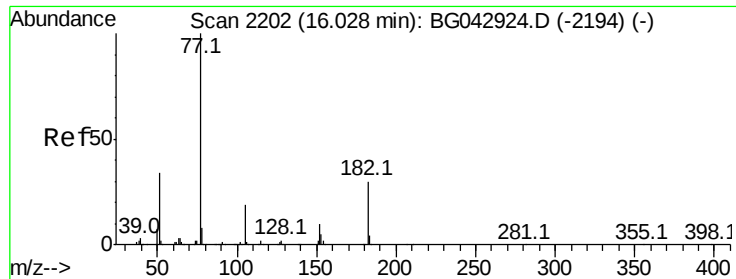
Tot Ion:204 Resp: 344850
Ion Ratio Lower Upper
204 100
206 34.6 28.5 42.7
141 52.6 42.4 63.6



#62
4-Nitroaniline
Concen: 44.171 ng
RT: 15.75 min Scan# 2155
Delta R.T. -0.01 min
Lab File: BG043055.D
Acq: 5 Oct 2019 14:54

Tgt Ion:138 Resp: 142787
Ion Ratio Lower Upper
138 100
92 51.5 32.9 72.9
108 98.7 81.3 121.3

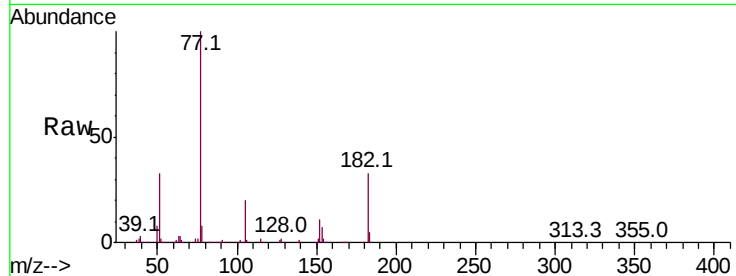




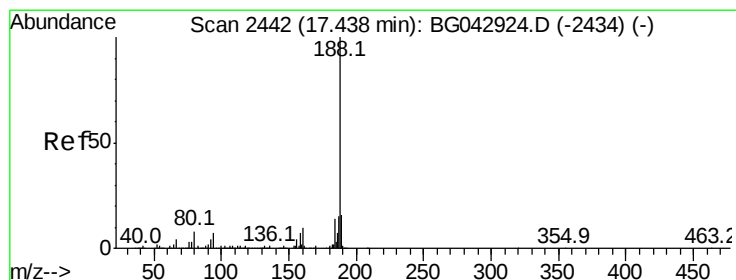
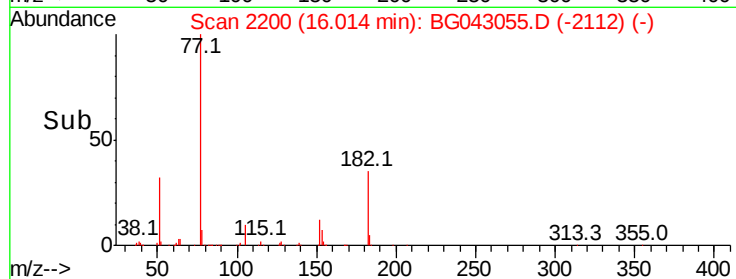
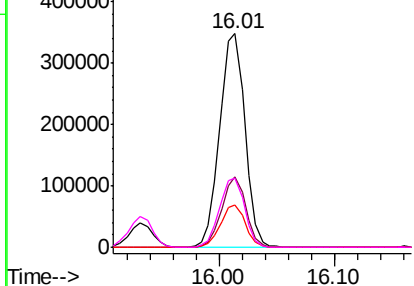
#63
Azobenzene
Concen: 42.263 ng
RT: 16.01 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BG043055.D
Acq: 5 Oct 2019 14:54

Instrument :
BNA_G
ClientSampleId :
20190773-SS-COMPOSITE-13MSD

Tot Ion:	77	Resp:	527382
Ion	Ratio	Lower	Upper
77	100		
182	33.0	10.2	50.2
105	20.0	0.0	39.1
51	32.7	13.9	53.9

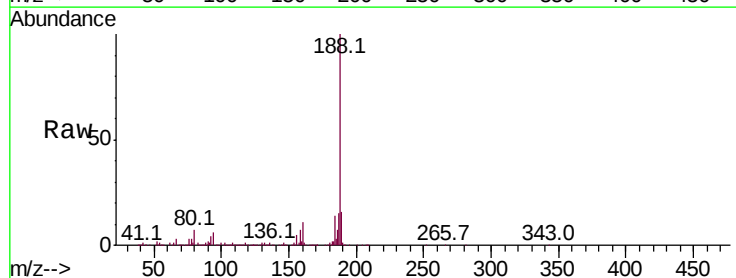


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

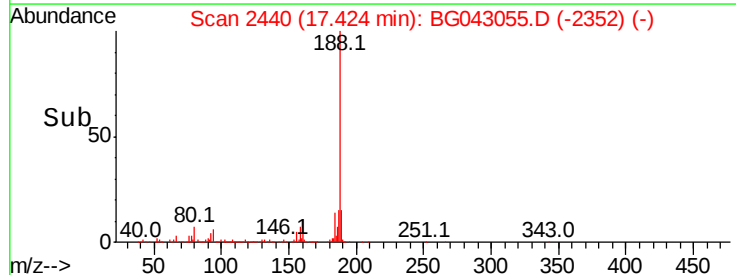
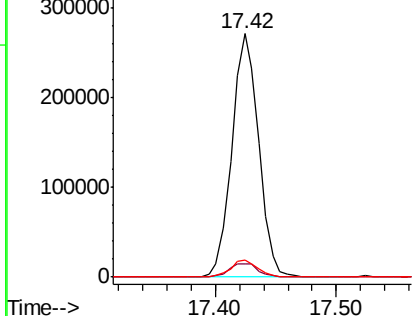


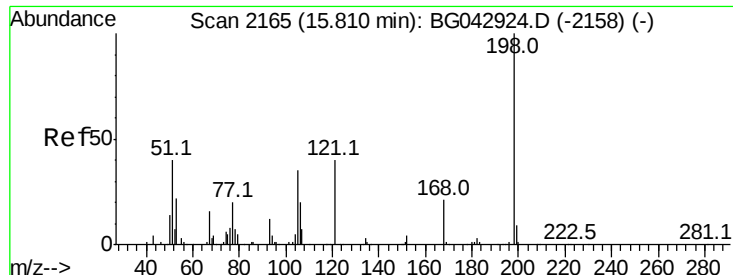
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2440
Delta R.T. -0.01 min
Lab File: BG043055.D
Acq: 5 Oct 2019 14:54

Tgt Ion:	188	Resp:	416693
Ion	Ratio	Lower	Upper
188	100		
94	5.6	5.7	8.5#
80	6.9	6.5	9.7



Abundance Ion 188.00 (187.70 to 188.70): BGC
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 49.744 ng

RT: 15.80 min Scan# 2164

Delta R.T. -0.01 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

Instrument :

BNA_G

ClientSampleId :

20190773-SS-COMPOSITE-13MSD

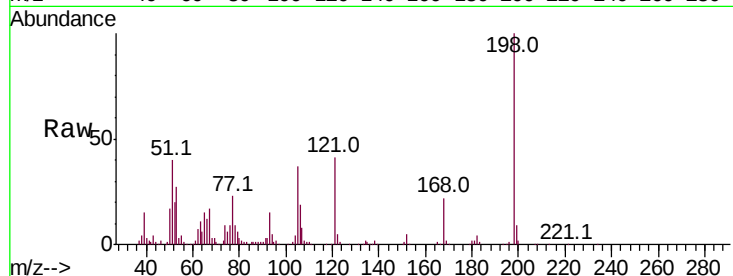
Tot Ion:198 Resp: 117292

Ion	Ratio	Lower	Upper
198	100		
51	40.2	25.3	65.3
105	36.5	16.6	56.6

198 100

51 40.2 25.3 65.3

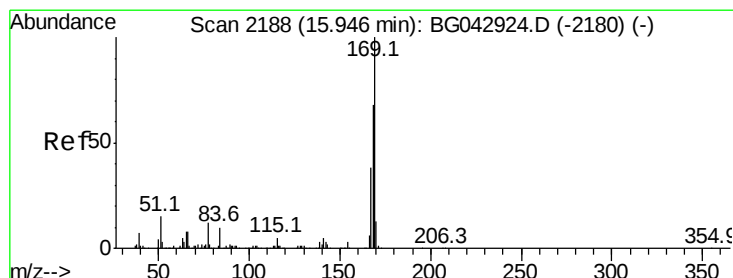
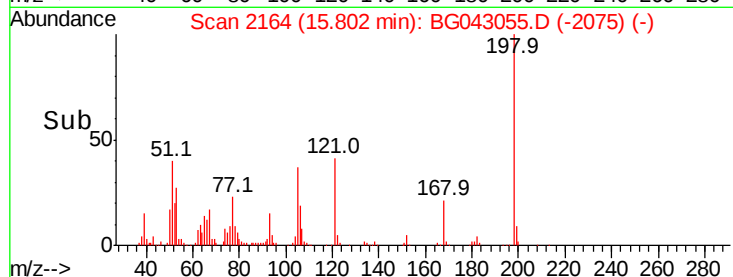
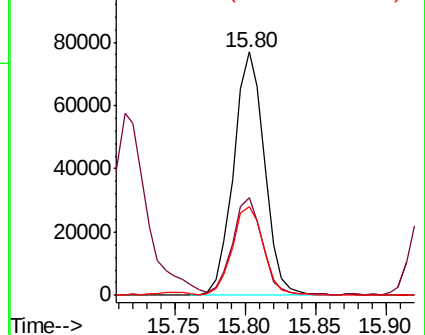
105 36.5 16.6 56.6



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 47.970 ng

RT: 15.93 min Scan# 2186

Delta R.T. -0.01 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

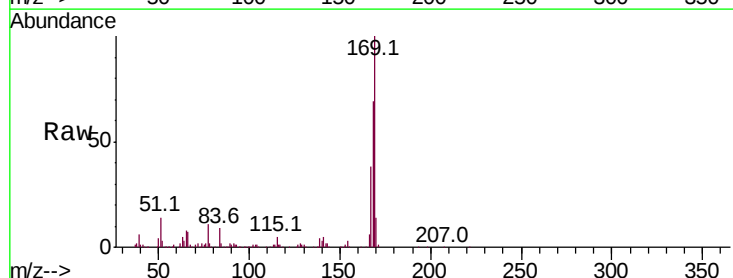
Tgt Ion:169 Resp: 527675

Ion	Ratio	Lower	Upper
169	100		
168	69.1	54.8	82.2
167	38.3	30.6	46.0

169 100

168 69.1 54.8 82.2

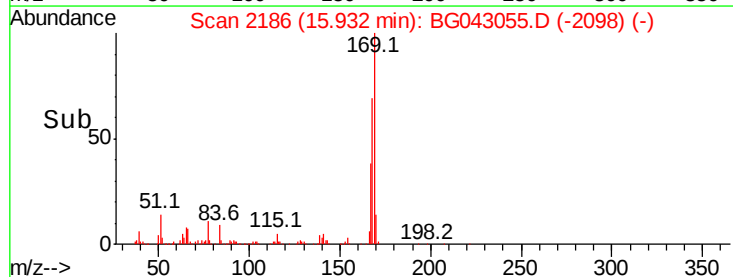
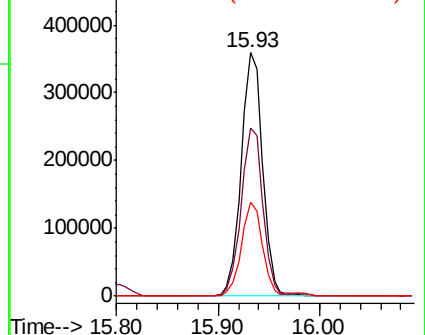
167 38.3 30.6 46.0

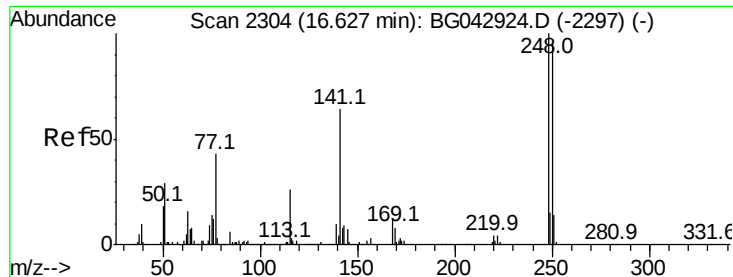


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

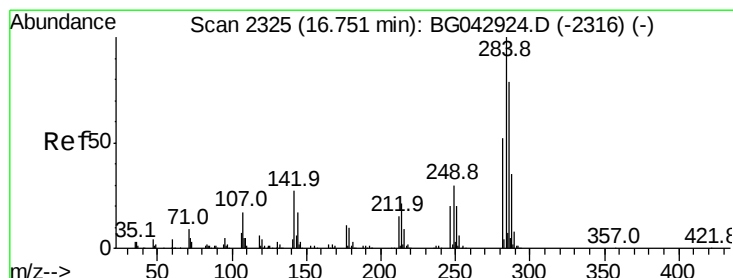
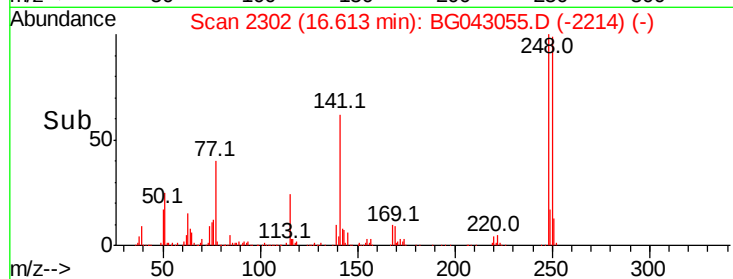
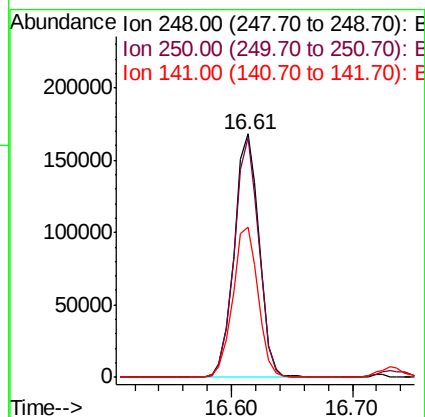
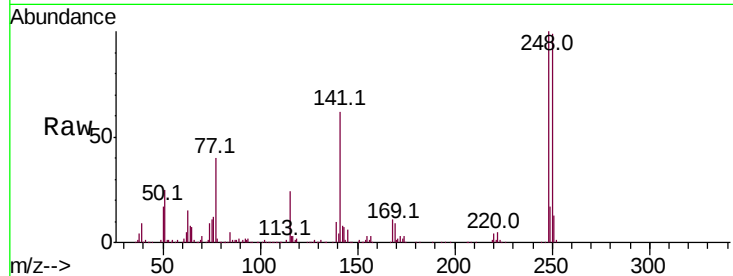




#67
4-Bromophenyl-phenylether
Concen: 46.113 ng
RT: 16.61 min Scan# 2302
Delta R.T. -0.01 min
Lab File: BG043055.D
Acq: 5 Oct 2019 14:54

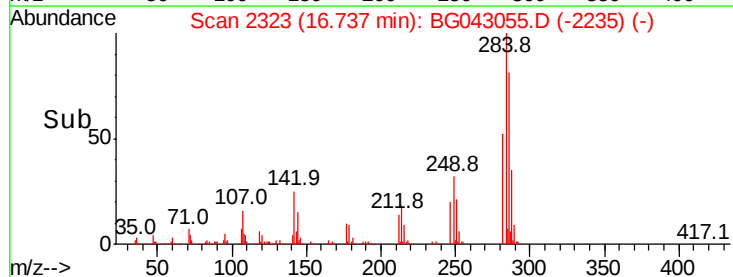
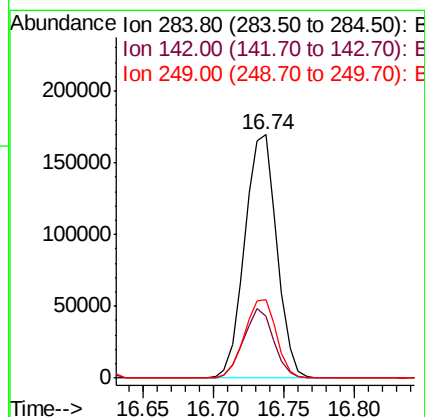
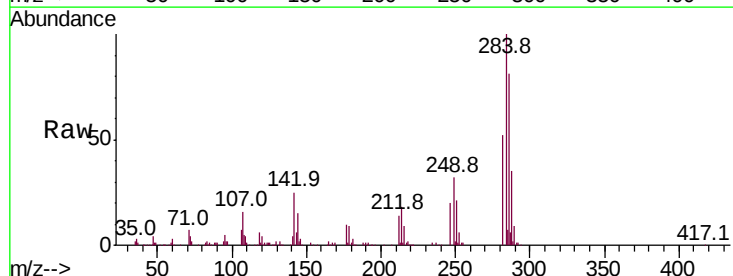
Instrument :
BNA_G
ClientSampleId :
20190773-SS-COMPOSITE-13MSD

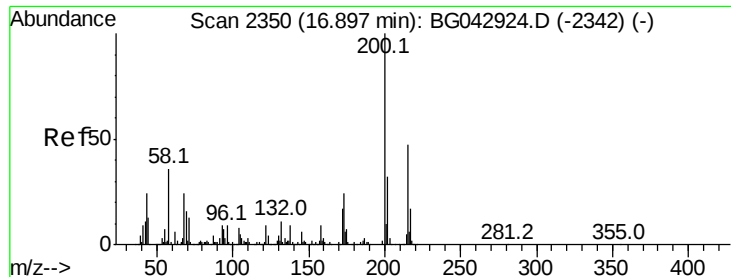
Tot Ion:248 Resp: 241167
Ion Ratio Lower Upper
248 100
250 98.6 75.8 113.8
141 61.5 51.1 76.7



#68
Hexachlorobenzene
Concen: 46.322 ng
RT: 16.74 min Scan# 2323
Delta R.T. -0.01 min
Lab File: BG043055.D
Acq: 5 Oct 2019 14:54

Tgt Ion:284 Resp: 269739
Ion Ratio Lower Upper
284 100
142 25.3 21.6 32.4
249 32.4 24.1 36.1

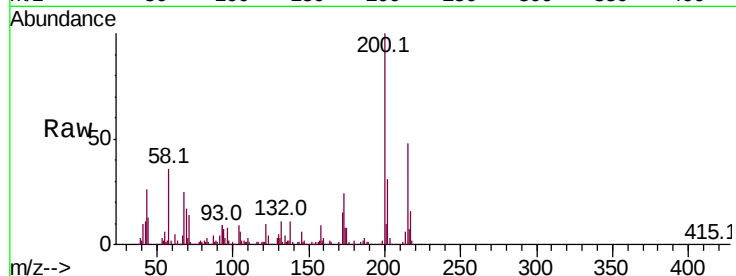




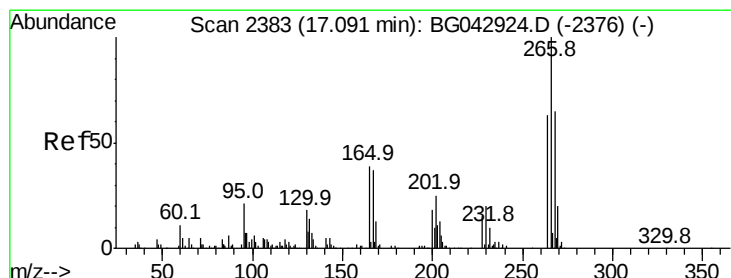
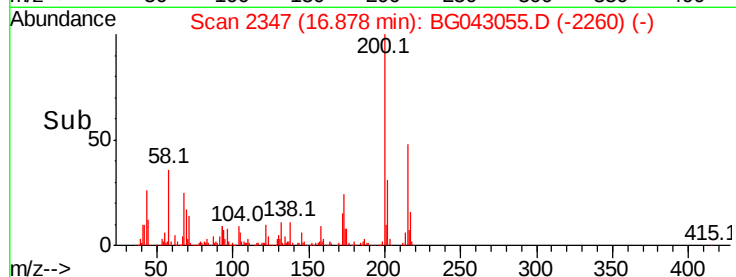
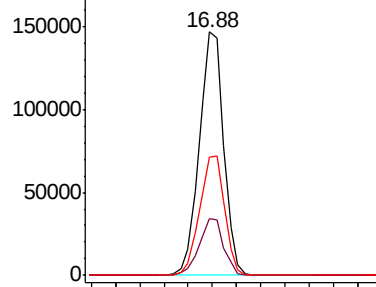
#69
Atrazine
Concen: 44.389 ng
RT: 16.88 min Scan# 2347
Delta R.T. -0.02 min
Lab File: BG043055.D
Acq: 5 Oct 2019 14:54

Instrument :
BNA_G
ClientSampleId :
20190773-SS-COMPOSITE-13MSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	23.6	4.0	44.0
215	48.5	27.4	67.4

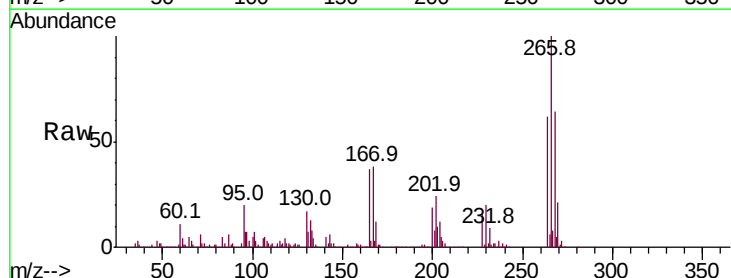


Abundance Ion 200.00 (199.70 to 200.70): E
200000
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

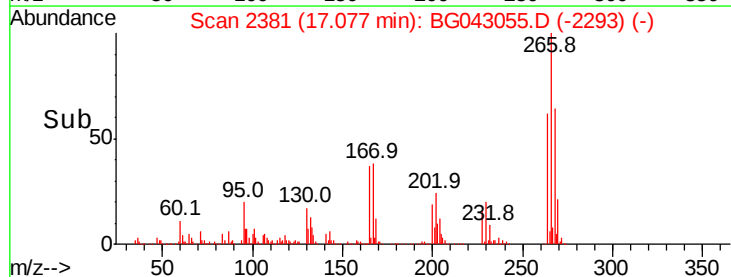
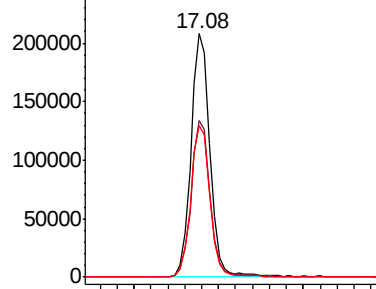


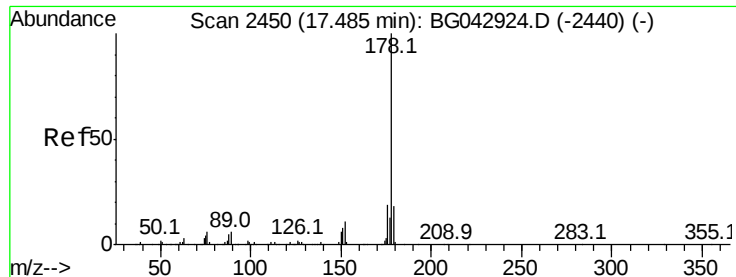
#70
Pentachlorophenol
Concen: 97.143 ng
RT: 17.08 min Scan# 2381
Delta R.T. -0.01 min
Lab File: BG043055.D
Acq: 5 Oct 2019 14:54

Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.1	52.2	78.2
264	62.4	50.7	76.1



Abundance Ion 265.70 (265.40 to 266.40): E
250000
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 47.243 ng

RT: 17.47 min Scan# 2448

Delta R.T. -0.01 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

Instrument :

BNA_G

ClientSampleId :

20190773-SS-COMPOSITE-13MSD

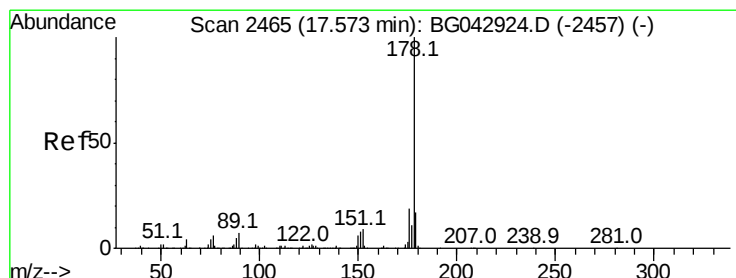
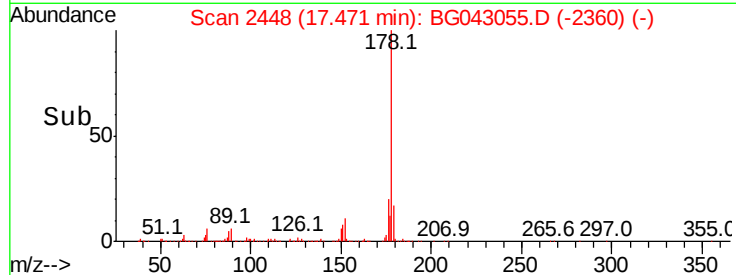
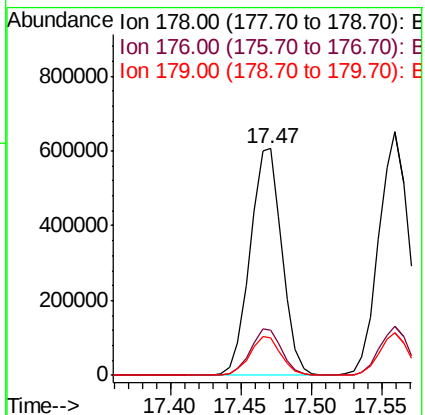
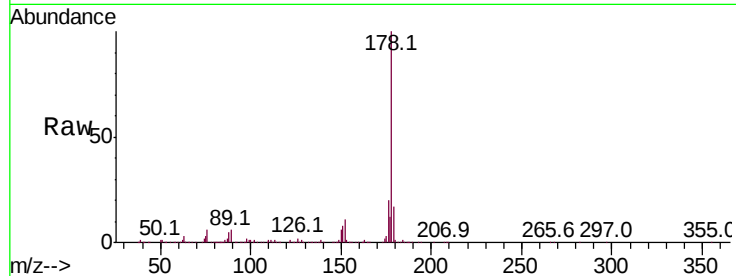
Tot Ion:178 Resp: 961075

Ion Ratio Lower Upper

178 100

176 20.2 15.1 22.7

179 16.8 14.1 21.1



#72

Anthracene

Concen: 47.933 ng

RT: 17.56 min Scan# 2463

Delta R.T. -0.01 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

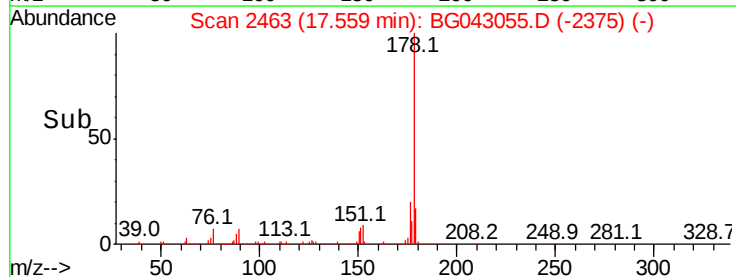
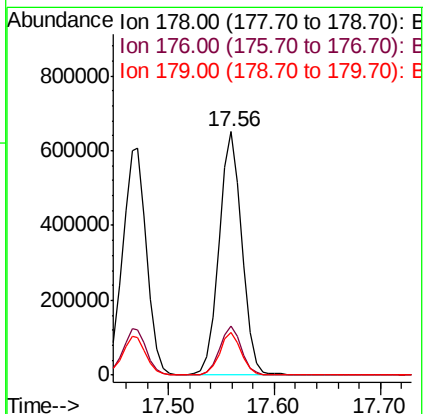
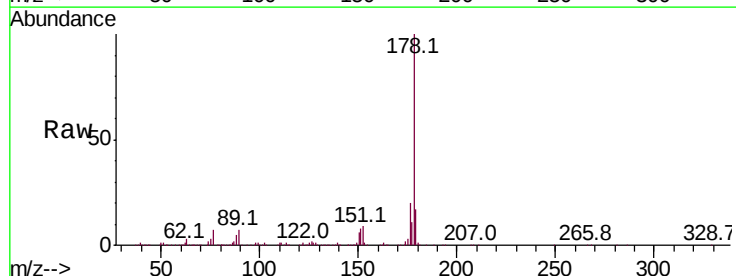
Tgt Ion:178 Resp: 973471

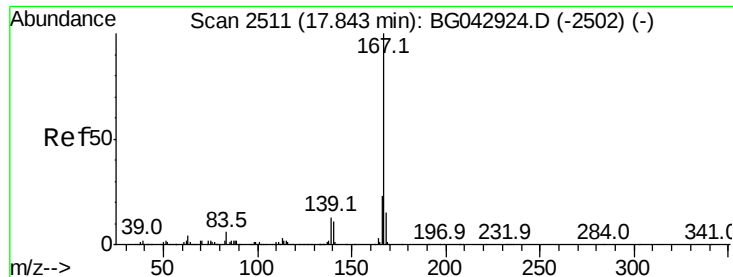
Ion Ratio Lower Upper

178 100

176 20.0 15.5 23.3

179 17.3 13.5 20.3





#73

Carbazole

Concen: 46.765 ng

RT: 17.83 min Scan# 2509

Delta R.T. -0.01 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

Instrument :

BNA_G

ClientSampleId :

20190773-SS-COMPOSITE-13MSD

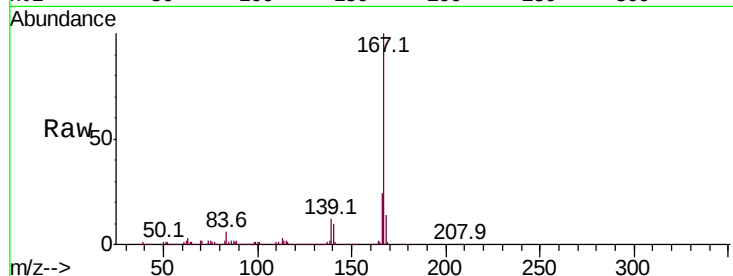
Tot Ion:167 Resp: 880715

Ion Ratio Lower Upper

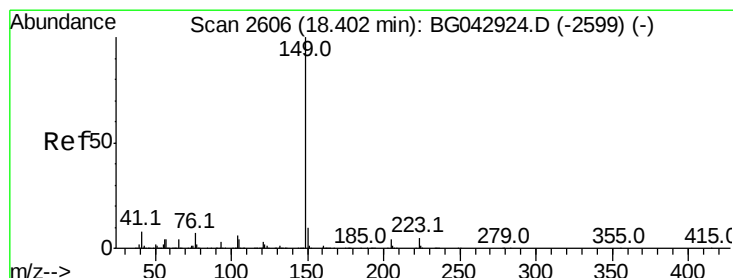
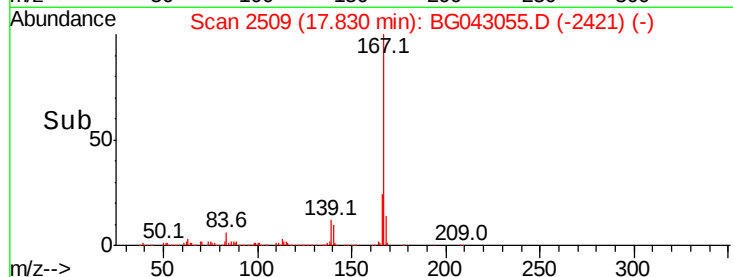
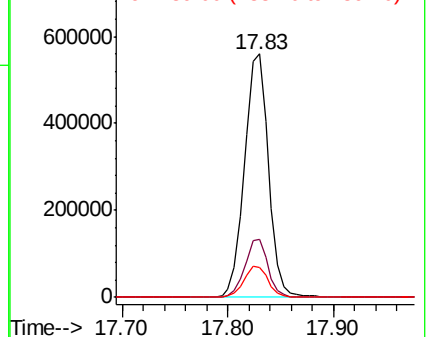
167 100

166 23.6 18.6 28.0

139 12.5 10.8 16.2



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 45.128 ng

RT: 18.38 min Scan# 2603

Delta R.T. -0.02 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

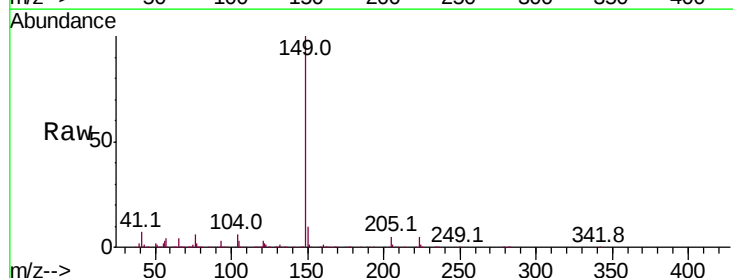
Tgt Ion:149 Resp: 1014009

Ion Ratio Lower Upper

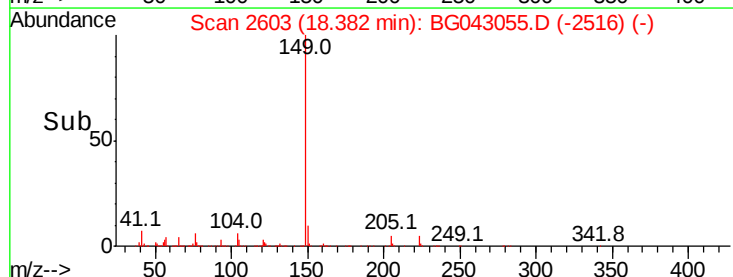
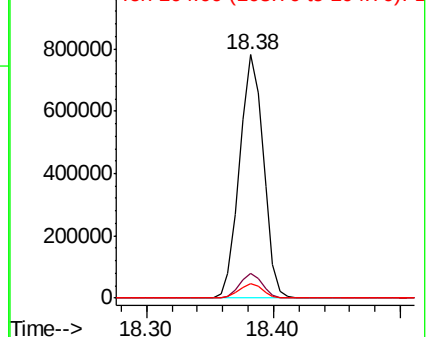
149 100

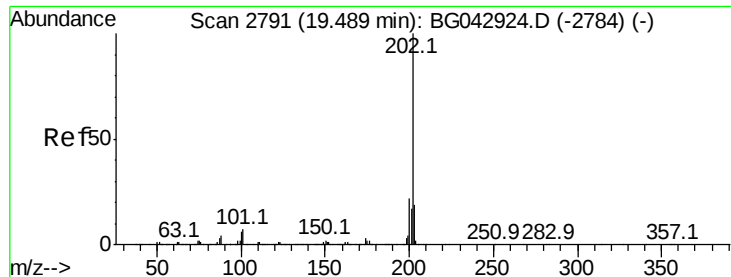
150 10.0 7.7 11.5

104 6.1 5.0 7.6



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 48.102 ng

RT: 19.47 min Scan# 2789

Delta R.T. -0.01 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

Instrument :

BNA_G

ClientSampleId :

20190773-SS-COMPOSITE-13MSD

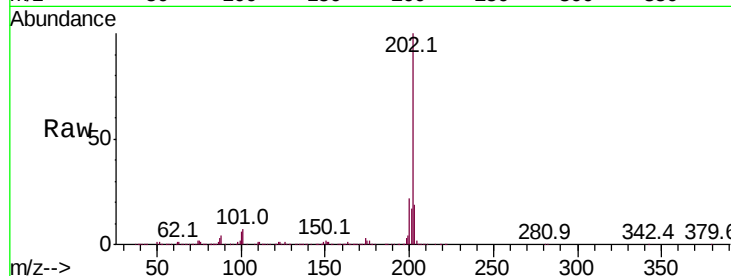
Tot Ion:202 Resp: 1294300

Ion Ratio Lower Upper

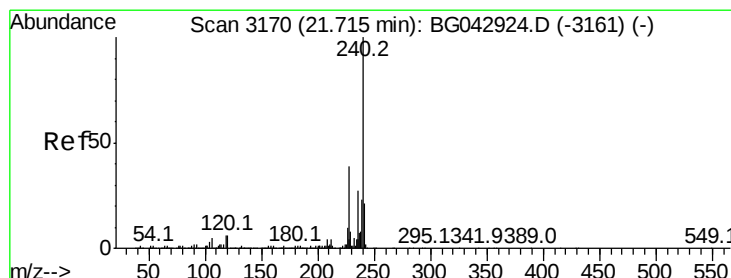
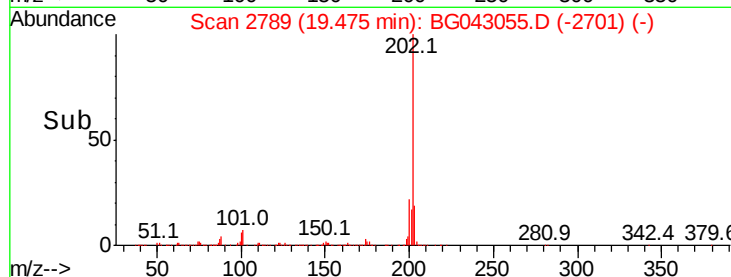
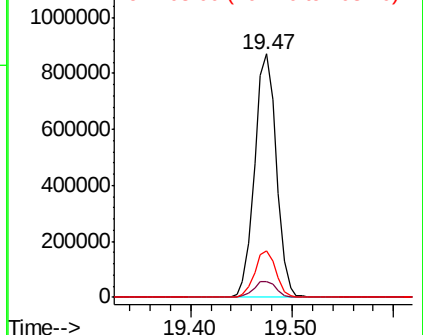
202 100

101 6.7 0.0 27.3

203 19.1 0.0 39.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.70 min Scan# 3167

Delta R.T. -0.02 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

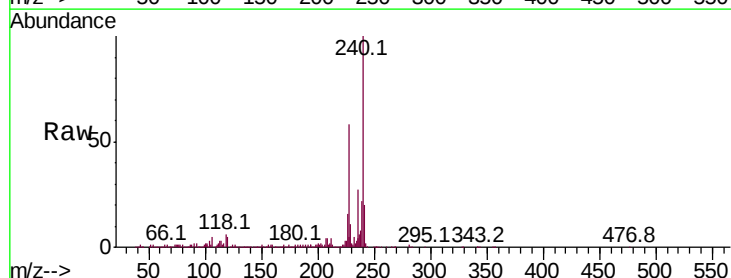
Tgt Ion:240 Resp: 453121

Ion Ratio Lower Upper

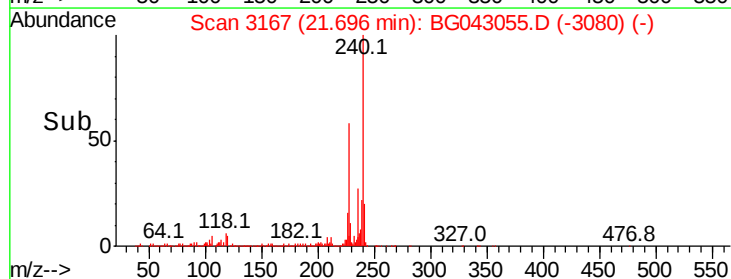
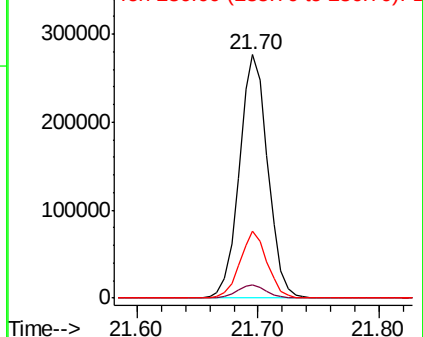
240 100

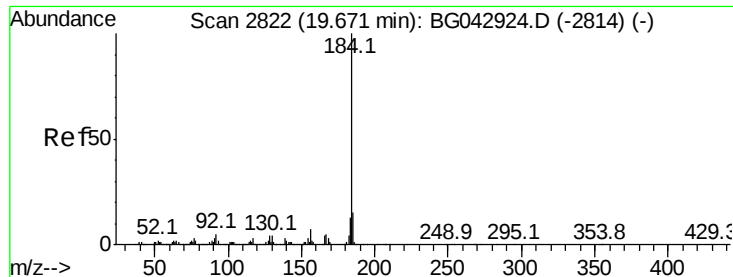
120 5.5 4.8 7.2

236 27.4 21.4 32.0



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 54.382 ng

RT: 19.65 min Scan# 2819

Delta R.T. -0.02 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

Instrument :

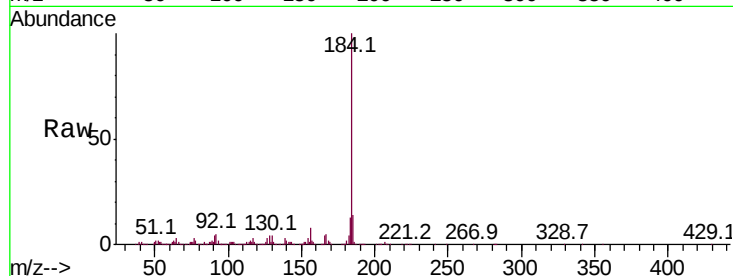
BNA_G

ClientSampleId :

20190773-SS-COMPOSITE-13MSD

Tot Ion:184 Resp: 617007

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.8	17.8
183	13.0	10.1	15.1

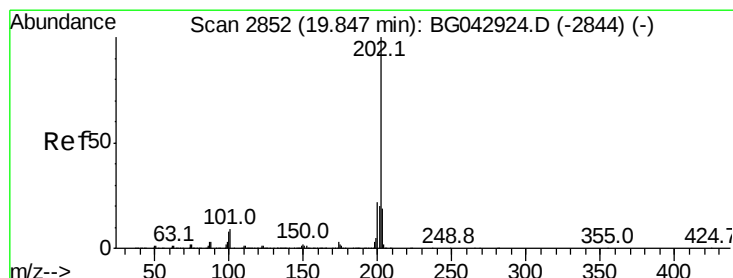
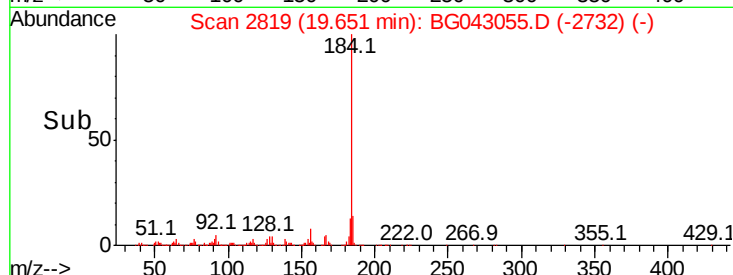
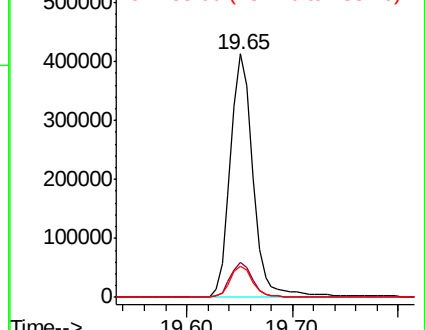


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 47.920 ng

RT: 19.84 min Scan# 2851

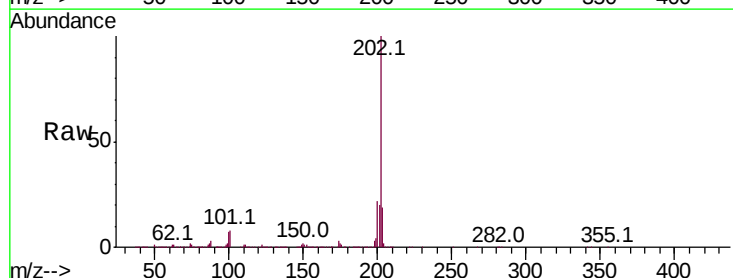
Delta R.T. -0.01 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

Tgt Ion:202 Resp: 1296008

Ion	Ratio	Lower	Upper
202	100		
200	22.4	17.6	26.4
203	19.4	15.2	22.8

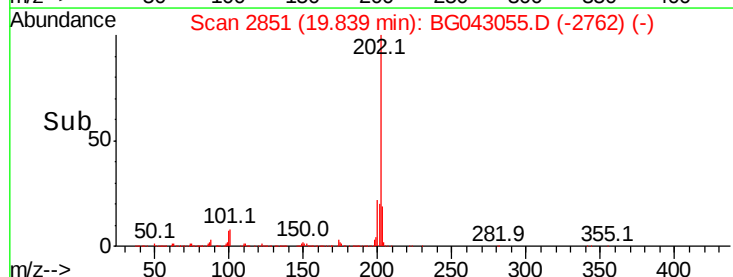
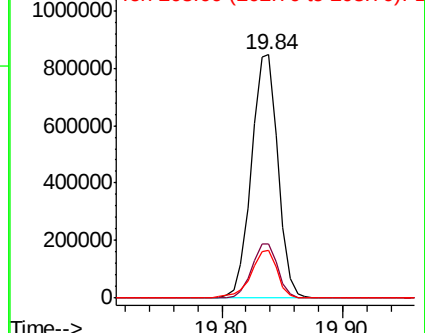


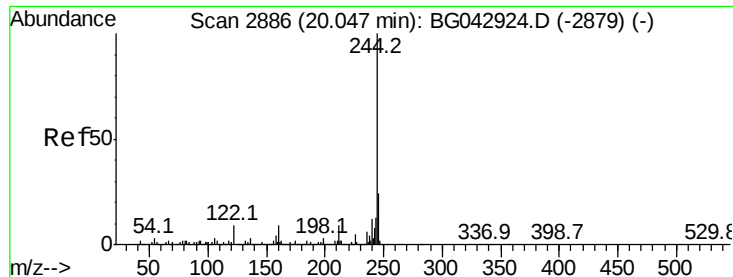
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 70.108 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

Instrument :

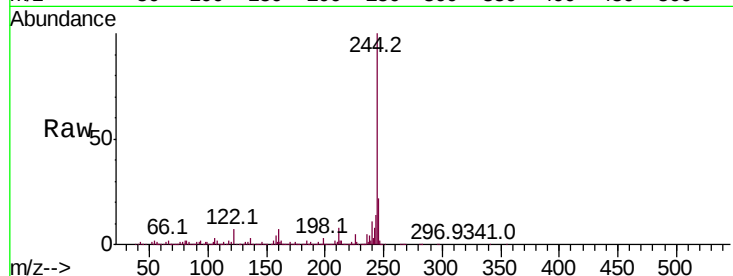
BNA_G

ClientSampleId :

20190773-SS-COMPOSITE-13MSD

Tot Ion:244 Resp: 1490804

Ion	Ratio	Lower	Upper
244	100		
212	7.9	7.4	11.0
122	7.0	7.0	10.4

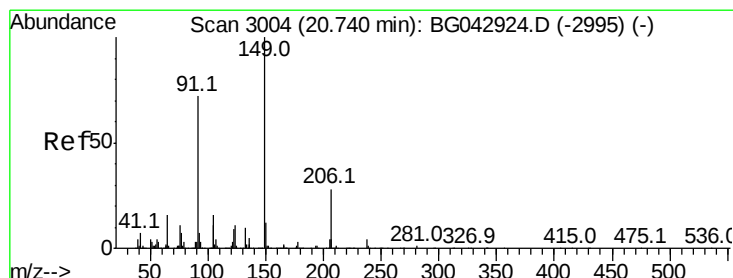
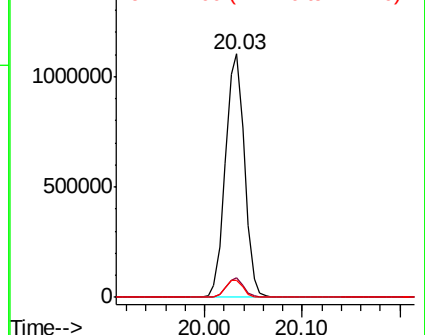
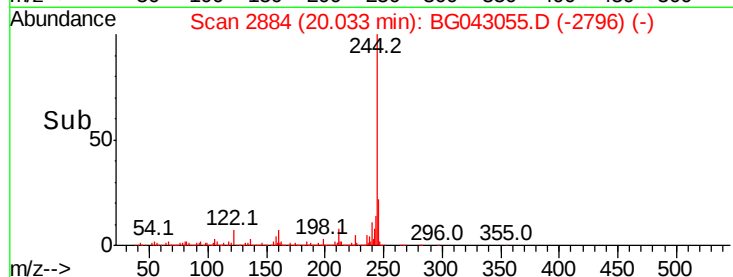


Abundance Ion 244.00 (243.70 to 244.70): E

1500000

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 46.654 ng

RT: 20.72 min Scan# 3001

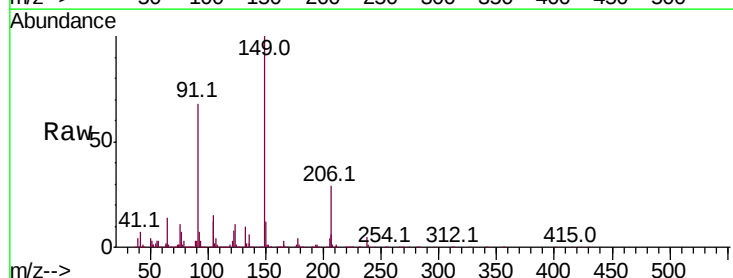
Delta R.T. -0.02 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

Tgt Ion:149 Resp: 478937

Ion	Ratio	Lower	Upper
149	100		
91	68.4	57.7	86.5
206	28.6	22.6	33.8

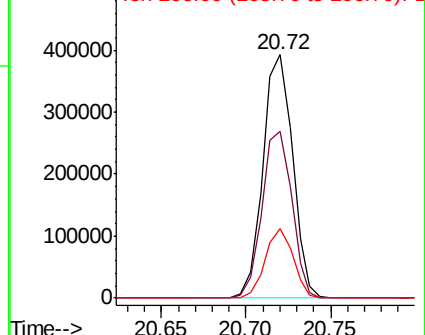
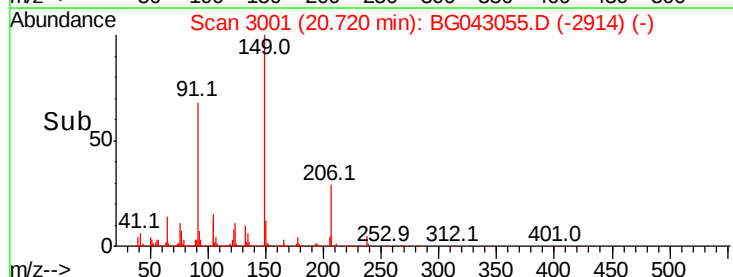


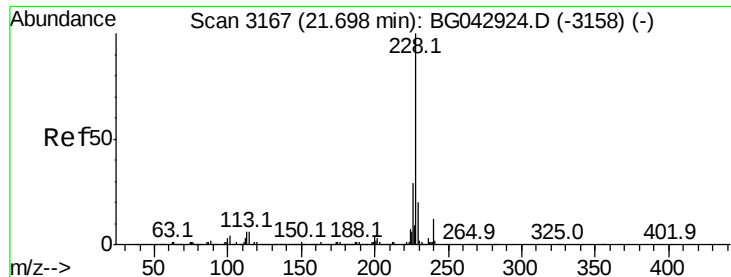
Abundance Ion 149.00 (148.70 to 149.70): E

500000

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 46.697 ng

RT: 21.68 min Scan# 3164

Delta R.T. -0.02 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

Instrument :

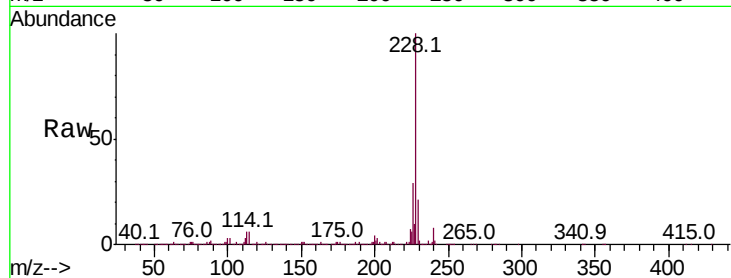
BNA_G

ClientSampleId :

20190773-SS-COMPOSITE-13MSD

Tot Ion:228 Resp: 1318425

Ion	Ratio	Lower	Upper
228	100		
226	28.8	23.0	34.4
229	21.4	16.3	24.5

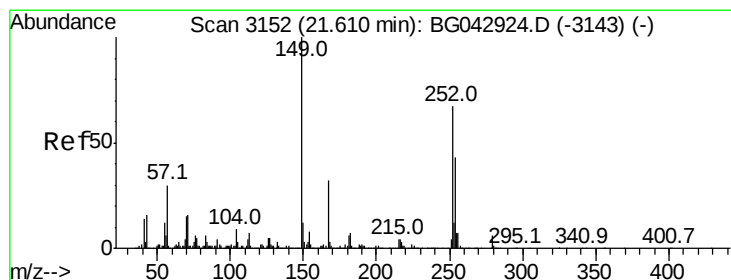
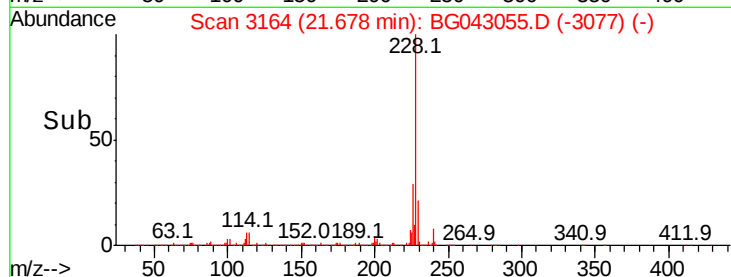
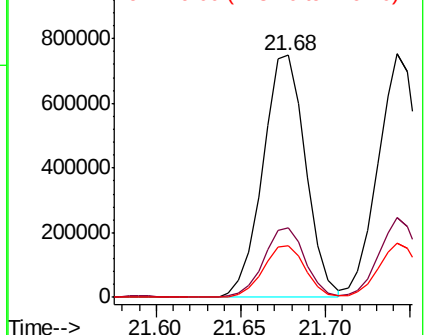


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 35.620 ng

RT: 21.59 min Scan# 3149

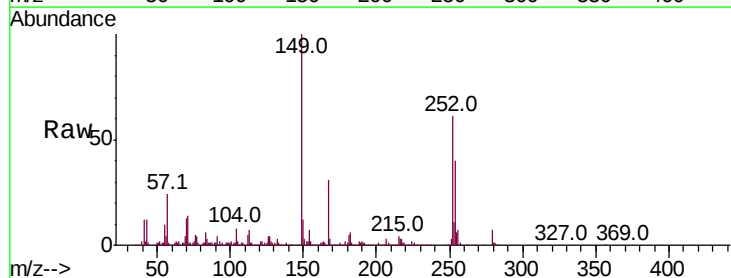
Delta R.T. -0.02 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

Tgt Ion:252 Resp: 394443

Ion	Ratio	Lower	Upper
252	100		
254	65.3	51.9	77.9
126	6.4	6.1	9.1

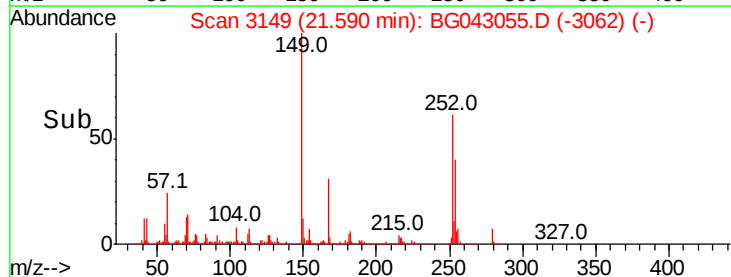
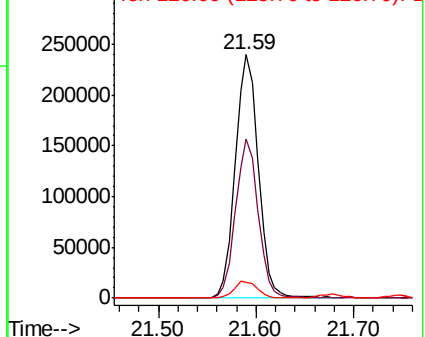


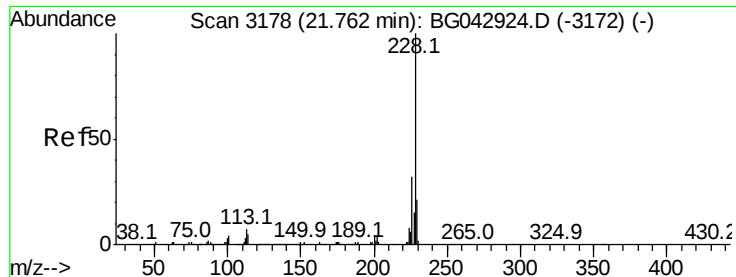
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 46.002 ng

RT: 21.74 min Scan# 3175

Delta R.T. -0.02 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

Instrument :

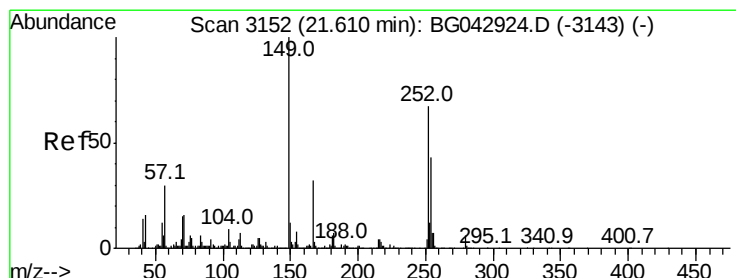
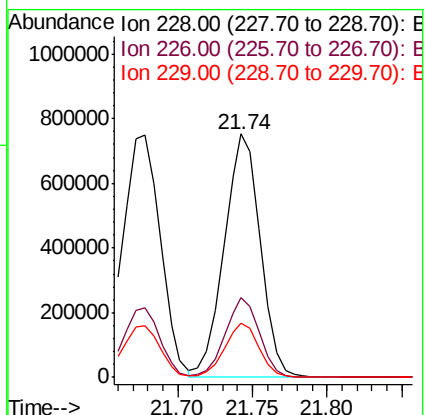
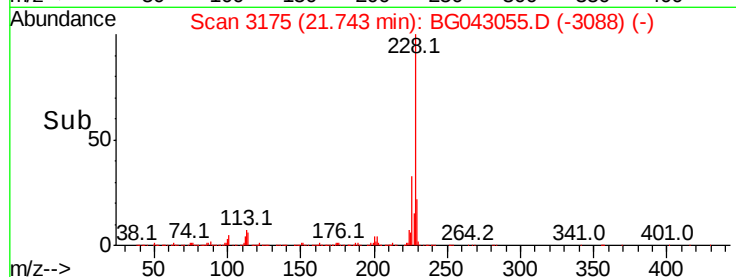
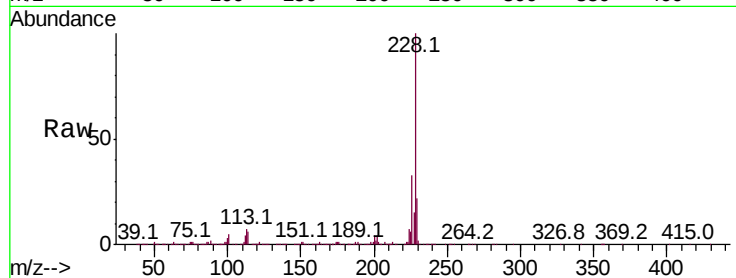
BNA_G

ClientSampleId :

20190773-SS-COMPOSITE-13MSD

Tot Ion:228 Resp: 1260398

Ion	Ratio	Lower	Upper
228	100		
226	32.8	25.6	38.4
229	22.2	16.9	25.3



#84

Bis(2-ethylhexyl)phthalate

Concen: 47.269 ng

RT: 21.58 min Scan# 3148

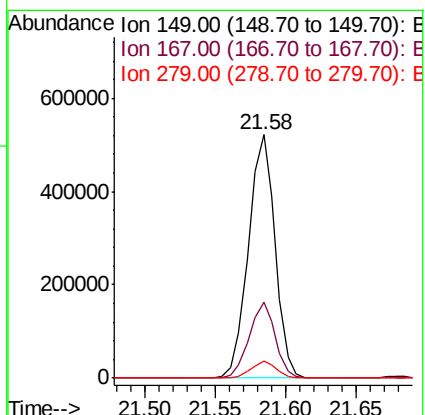
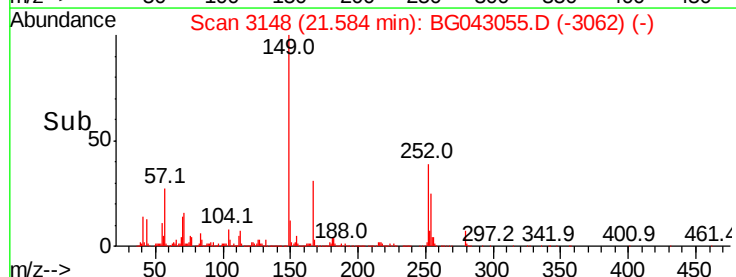
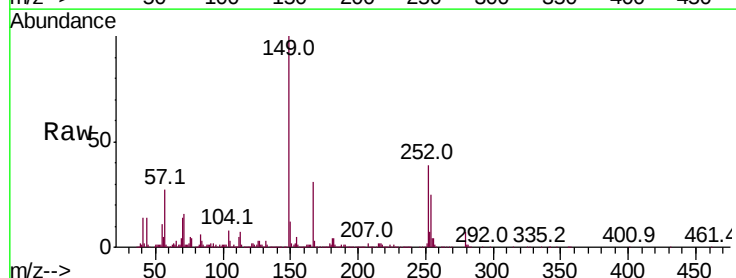
Delta R.T. -0.03 min

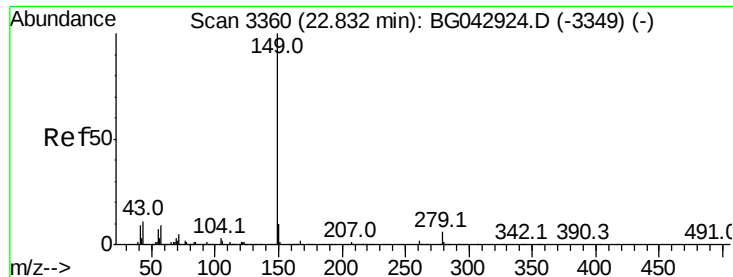
Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

Tgt Ion:149 Resp: 690472

Ion	Ratio	Lower	Upper
149	100		
167	31.3	25.4	38.2
279	6.8	5.1	7.7

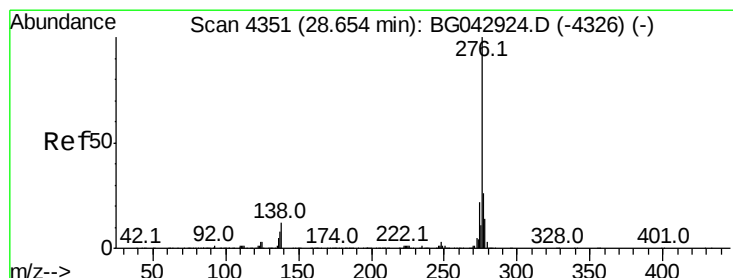
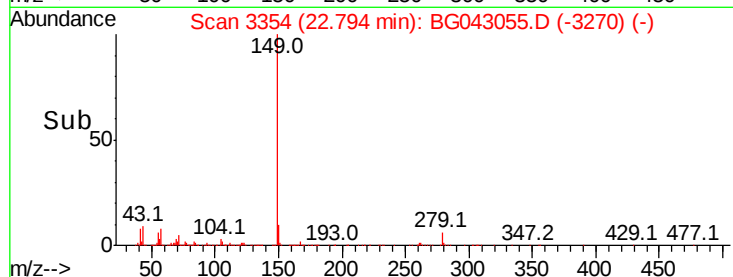
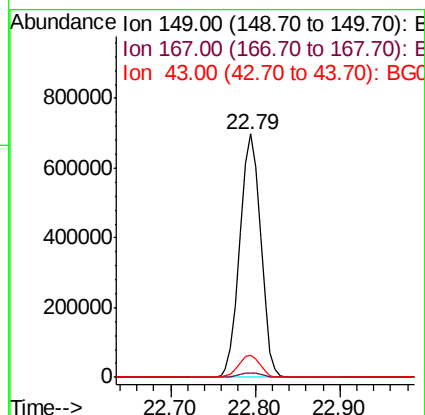
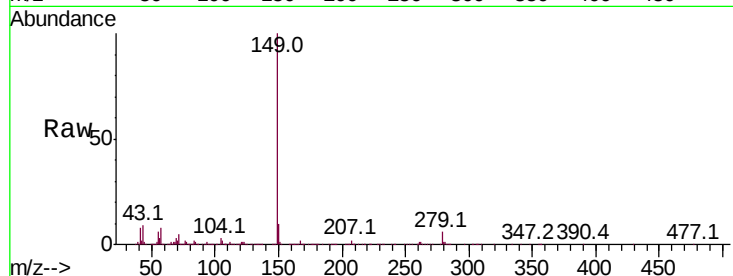




#85
Di-n-octyl phthalate
Concen: 49.651 ng
RT: 22.79 min Scan# 3354
Delta R.T. -0.04 min
Lab File: BG043055.D
Acq: 5 Oct 2019 14:54

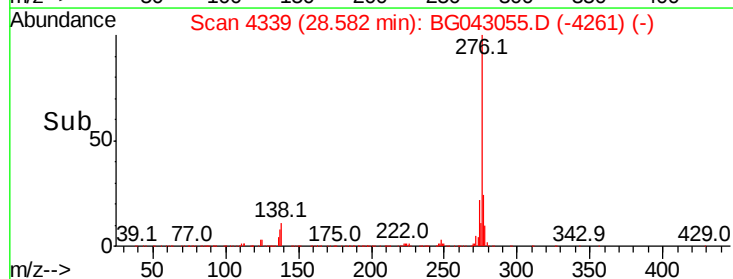
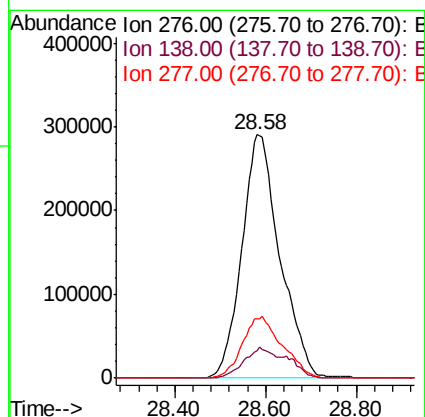
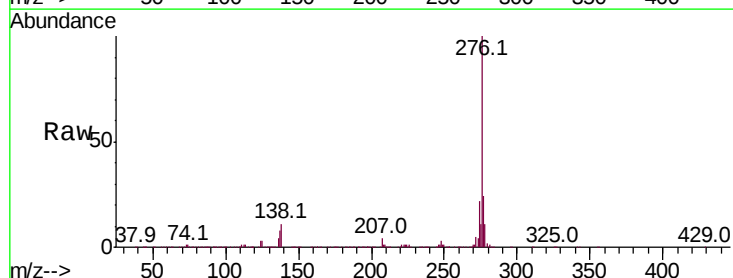
Instrument :
BNA_G
ClientSampleId :
20190773-SS-COMPOSITE-13MSD

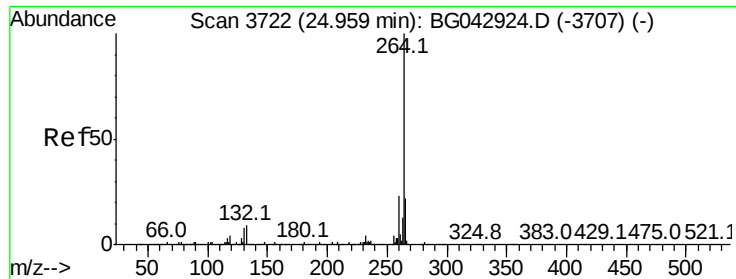
Tot Ion:149 Resp: 1185976
Ion Ratio Lower Upper
149 100
167 1.9 1.4 2.0
43 9.2 8.7 13.1



#86
Indeno(1,2,3-cd)pyrene
Concen: 49.557 ng
RT: 28.58 min Scan# 4339
Delta R.T. -0.07 min
Lab File: BG043055.D
Acq: 5 Oct 2019 14:54

Tgt Ion:276 Resp: 1690329
Ion Ratio Lower Upper
276 100
138 10.0 7.0 10.6
277 26.5 20.9 31.3





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.92 min Scan# 3715

Delta R.T. -0.04 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

Instrument :

BNA_G

ClientSampleId :

20190773-SS-COMPOSITE-13MSD

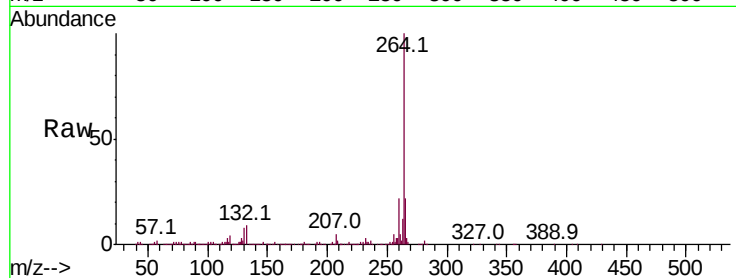
Tot Ion:264 Resp: 530922

Ion Ratio Lower Upper

264 100

260 21.9 18.7 28.1

265 22.3 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

250000

200000

150000

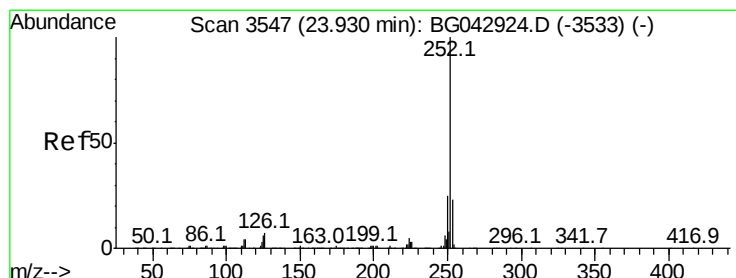
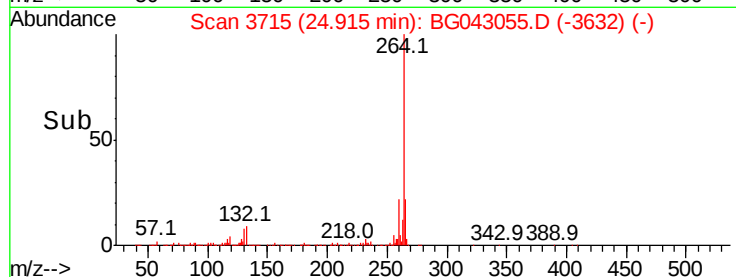
100000

50000

0

24.80 24.90 25.00

Time-->



#88

Benzo(b)fluoranthene

Concen: 47.483 ng

RT: 23.89 min Scan# 3541

Delta R.T. -0.04 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

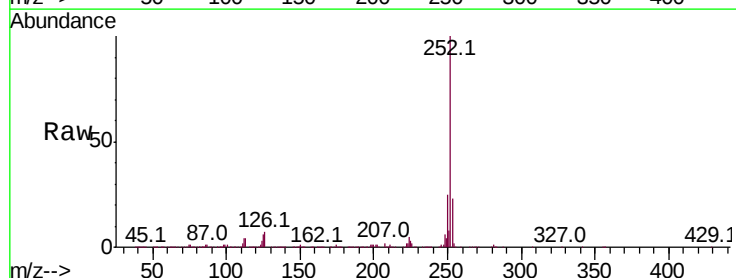
Tgt Ion:252 Resp: 1426447

Ion Ratio Lower Upper

252 100

253 23.2 18.2 27.2

125 5.9 4.6 7.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

600000

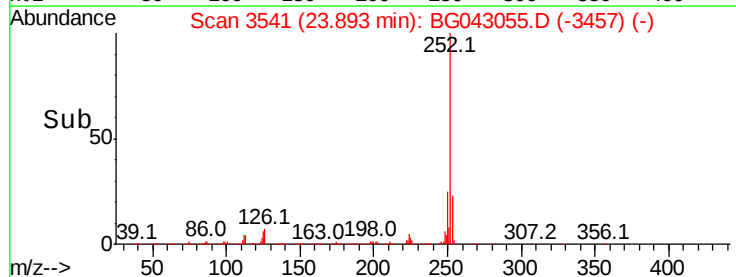
400000

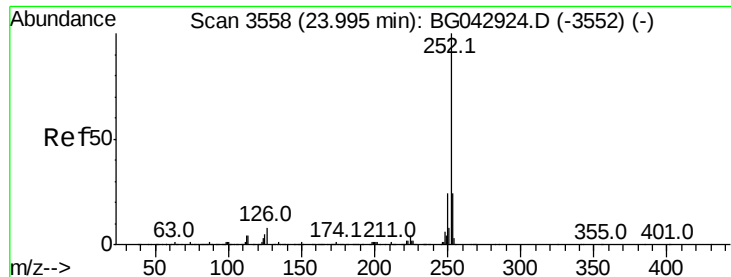
200000

0

23.80 23.90

Time-->





#89

Benzo(k)fluoranthene

Concen: 46.491 ng

RT: 23.96 min Scan# 3553

Delta R.T. -0.03 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

Instrument :

BNA_G

ClientSampleId :

20190773-SS-COMPOSITE-13MSD

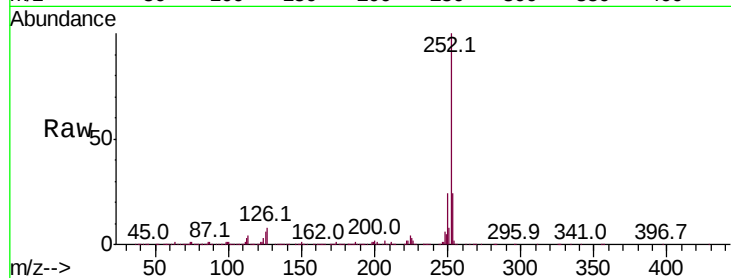
Tot Ion:252 Resp: 1381657

Ion Ratio Lower Upper

252 100

253 24.3 18.9 28.3

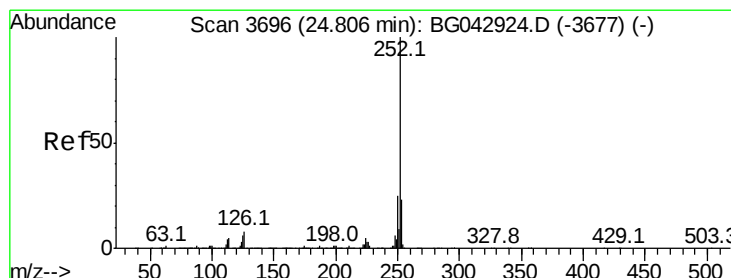
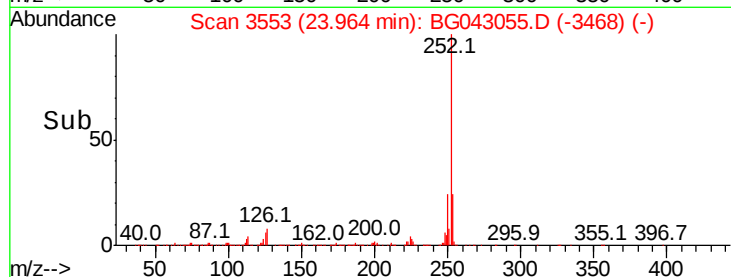
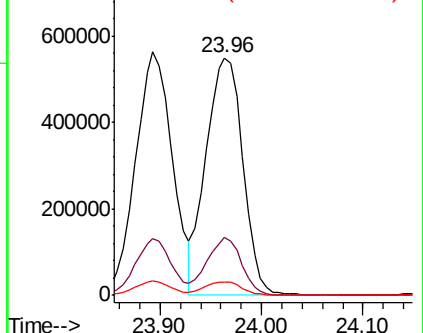
125 5.5 4.5 6.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 49.428 ng

RT: 24.76 min Scan# 3689

Delta R.T. -0.04 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

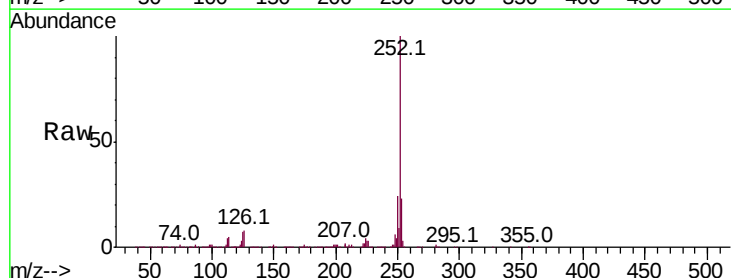
Tgt Ion:252 Resp: 1400921

Ion Ratio Lower Upper

252 100

253 22.7 18.2 27.4

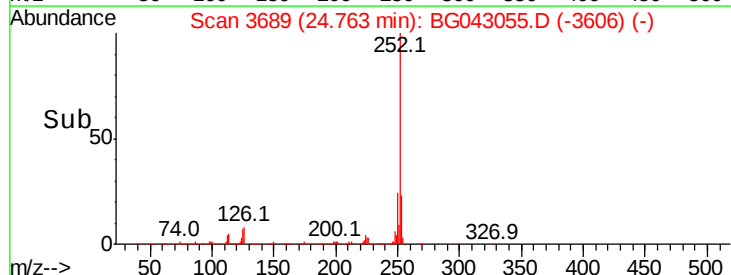
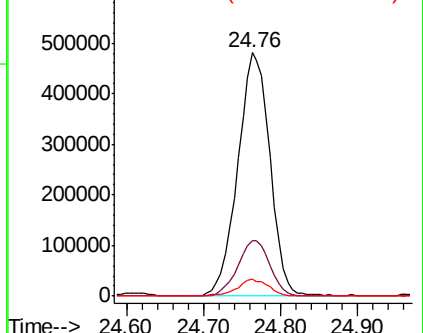
125 6.8 5.0 7.6

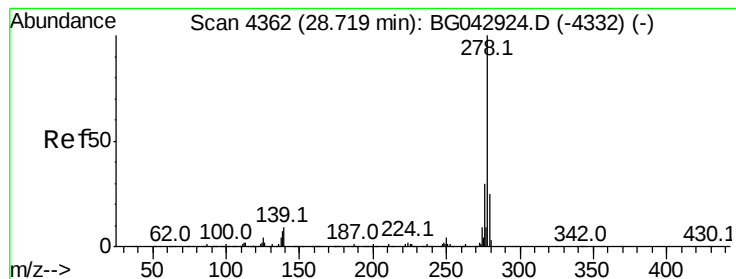


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 48.702 ng

RT: 28.65 min Scan# 4350

Delta R.T. -0.07 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

Instrument :

BNA_G

ClientSampleId :

20190773-SS-COMPOSITE-13MSD

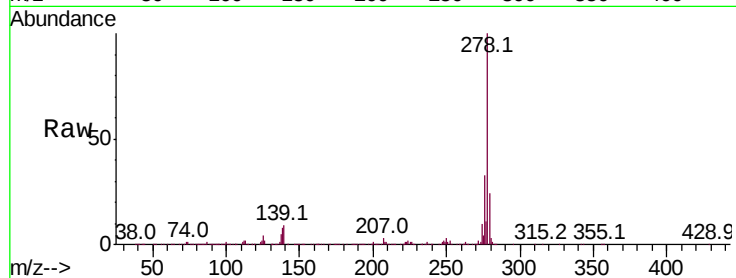
Tot Ion:278 Resp: 1415427

Ion	Ratio	Lower	Upper
278	100		
139	8.7	6.8	10.2
279	24.1	20.1	30.1

278 100

139 8.7 6.8 10.2

279 24.1 20.1 30.1

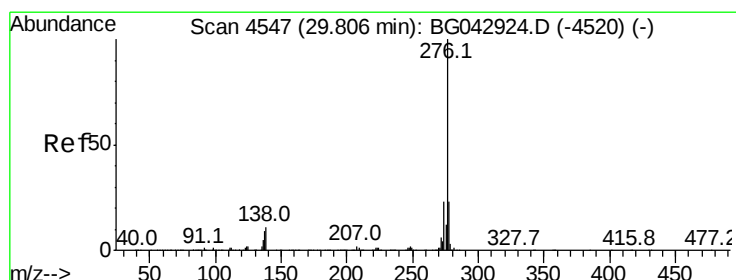
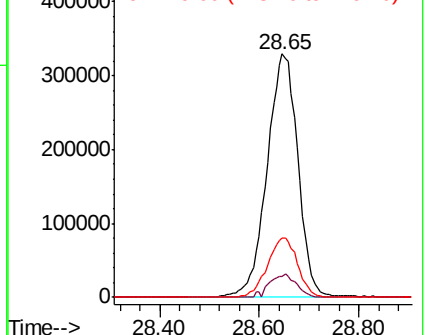
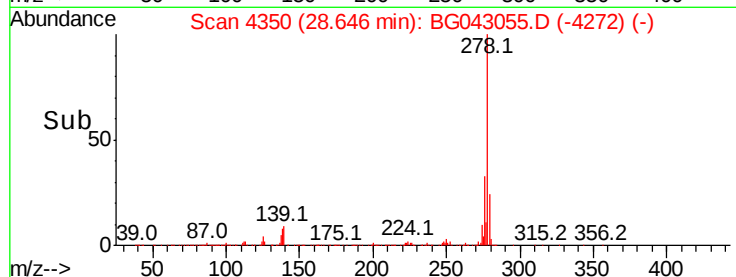


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 49.712 ng

RT: 29.73 min Scan# 4535

Delta R.T. -0.07 min

Lab File: BG043055.D

Acq: 5 Oct 2019 14:54

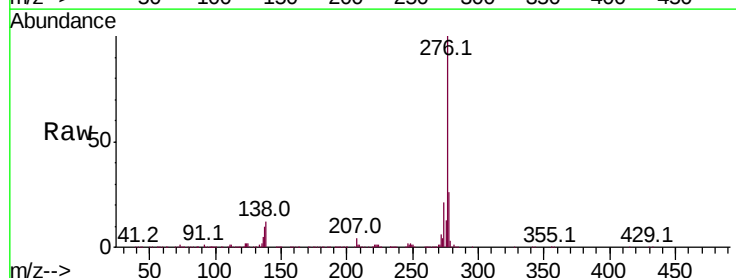
Tgt Ion:276 Resp: 1399868

Ion	Ratio	Lower	Upper
276	100		
277	25.8	18.4	27.6
138	11.7	8.6	12.8

276 100

277 25.8 18.4 27.6

138 11.7 8.6 12.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

