

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082719\
 Data File : BG042509.D
 Acq On : 27 Aug 2019 18:13
 Operator : HP/JU
 Sample : K4086-08MSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NB-07-082619MSD

Quant Time: Aug 28 05:17:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 22 14:29:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	30491	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	106405	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	75711	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	212748	20.00	ng	0.00
76) Chrysene-d12	21.69	240	282846	20.00	ng	0.00
87) Perylene-d12	24.93	264	342153	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	203016	134.85	ng	0.00
7) Phenol-d6	7.16	99	240684	118.35	ng	0.00
23) Nitrobenzene-d5	9.16	82	160158	104.01	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	183871	170.87	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	460691	102.91	ng	0.00
79) Terphenyl-d14	20.03	244	1368734	104.62	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	3.42	88	24864	39.575	ng	# 53
3) Pyridine	3.83	79	52581	32.638	ng	99
4) n-Nitrosodimethylamine	3.73	42	23239	40.387	ng	95
6) Aniline	7.32	93	39283	14.483	ng	98
8) 2-Chlorophenol	7.56	128	82980	45.479	ng	98
9) Benzaldehyde	7.13	77	53599	52.646	ng	98
10) Phenol	7.19	94	81038	39.193	ng	97
11) bis(2-Chloroethyl)ether	7.41	93	73847	45.476	ng	99
12) 1,3-Dichlorobenzene	7.89	146	100009	43.087	ng	99
13) 1,4-Dichlorobenzene	8.03	146	102568	43.626	ng	99
14) 1,2-Dichlorobenzene	8.36	146	97341	43.233	ng	100
15) Benzyl Alcohol	8.24	79	59179	40.449	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.53	45	89848	40.822	ng	97
17) 2-Methylphenol	8.45	107	63146	41.463	ng	99
18) Hexachloroethane	9.09	117	34174	42.459	ng	98
19) n-Nitroso-di-n-propylamine	8.80	70	52639	39.954	ng	96
20) 3+4-Methylphenols	8.78	107	83551	39.647	ng	99
22) Acetophenone	8.83	105	117954	51.829	ng	# 95
24) Nitrobenzene	9.21	77	78075	50.072	ng	99
25) Isophorone	9.73	82	143387	47.185	ng	99
26) 2-Nitrophenol	9.93	139	48851	49.995	ng	98
27) 2,4-Dimethylphenol	9.99	122	72781	54.072	ng	98
28) bis(2-Chloroethoxy)methane	10.22	93	89316	46.633	ng	99
29) 2,4-Dichlorophenol	10.48	162	86360	49.039	ng	98
30) 1,2,4-Trichlorobenzene	10.68	180	103607	47.932	ng	99
31) Naphthalene	10.87	128	245946	49.785	ng	99
32) Benzoic acid	10.15	122	8588	15.465	ng	94
33) 4-Chloroaniline	11.00	127	15715	6.891	ng	# 91
34) Hexachlorobutadiene	11.16	225	69450	47.807	ng	97
35) Caprolactam	11.79	113	24668	41.980	ng	94
36) 4-Chloro-3-methylphenol	12.11	107	83332	49.848	ng	96
37) 2-Methylnaphthalene	12.48	142	186805	47.093	ng	97
38) 1-Methylnaphthalene	12.70	142	177826	47.196	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.85	216	124649	51.267	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.83	237	140808	110.251	ng	99
43) 2,4,6-Trichlorophenol	13.09	196	81162	49.386	ng	97
44) 2,4,5-Trichlorophenol	13.18	196	92920	54.560	ng	98
46) 1,1'-Biphenyl	13.49	154	246858	50.441	ng	98
47) 2-Chloronaphthalene	13.53	162	206203	48.864	ng	100
48) 2-Nitroaniline	13.73	65	50493	49.619	ng	98
49) Acenaphthylene	14.38	152	335509	52.847	ng	99
50) Dimethylphthalate	14.11	163	279443	51.154	ng	99
51) 2,6-Dinitrotoluene	14.23	165	66528	52.540	ng	95
52) Acenaphthene	14.72	154	194391	50.425	ng	99
53) 3-Nitroaniline	14.56	138	24146	19.067	ng	96
54) 2,4-Dinitrophenol	14.77	184	64353	75.754	ng	96
55) Dibenzofuran	15.06	168	341031	53.443	ng	99
56) 4-Nitrophenol	14.88	139	105654	117.413	ng	98
57) 2,4-Dinitrotoluene	15.02	165	102659	56.617	ng	97
58) Fluorene	15.71	166	281301	53.927	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.29	232	97822	58.082	ng	# 92
60) Diethylphthalate	15.47	149	288166	53.962	ng	99
61) 4-Chlorophenyl-phenylether	15.70	204	160277	50.971	ng	98
62) 4-Nitroaniline	15.73	138	81622	60.223	ng	98
63) Azobenzene	15.99	77	196364	53.662	ng	98
65) 4,6-Dinitro-2-methylphenol	15.80	198	65831	49.355	ng	97
66) n-Nitrosodiphenylamine	15.91	169	269657	46.089	ng	99
67) 4-Bromophenyl-phenylether	16.59	248	117083	43.387	ng	99
68) Hexachlorobenzene	16.72	284	127150	43.343	ng	100
69) Atrazine	16.86	200	124249	60.053	ng	99
70) Pentachlorophenol	17.07	266	134753	88.408	ng	98
71) Phenanthrene	17.45	178	547828	51.840	ng	99
72) Anthracene	17.55	178	565508	53.605	ng	99
73) Carbazole	17.81	167	580785	61.771	ng	99
74) Di-n-butylphthalate	18.37	149	668252	60.126	ng	99
75) Fluoranthene	19.47	202	872962	67.688	ng	99
77) Benzidine	19.64	184	67916	8.375	ng	99
78) Pyrene	19.83	202	892955	51.493	ng	99
80) Butylbenzylphthalate	20.71	149	344696	50.537	ng	99
81) Benzo(a)anthracene	21.67	228	866594	50.366	ng	98
82) 3,3'-Dichlorobenzidine	21.58	252	153421	22.171	ng	98
83) Chrysene	21.74	228	844916	50.918	ng	99
84) Bis(2-ethylhexyl)phthalate	21.57	149	490974	51.845	ng	98
85) Di-n-octyl phthalate	22.79	149	830664	50.999	ng	99
86) Indeno(1,2,3-cd)pyrene	28.63	276	1127921	50.018	ng	# 95
88) Benzo(b)fluoranthene	23.90	252	953360	50.683	ng	100
89) Benzo(k)fluoranthene	23.97	252	933013	51.603	ng	99
90) Benzo(a)pyrene	24.78	252	950305	53.240	ng	100
91) Dibenzo(a,h)anthracene	28.70	278	928271	51.363	ng	99
92) Benzo(g,h,i)perylene	29.79	276	940533	52.034	ng	99

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

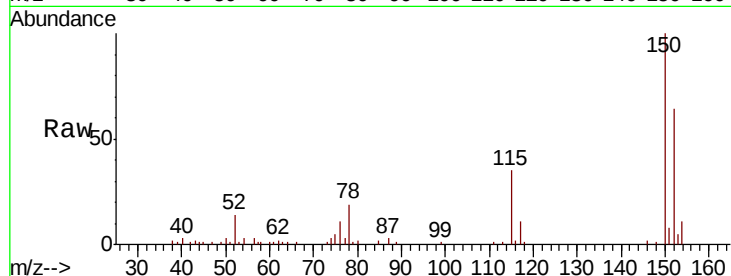


#1

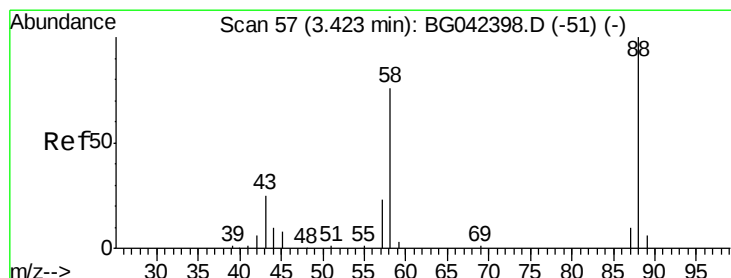
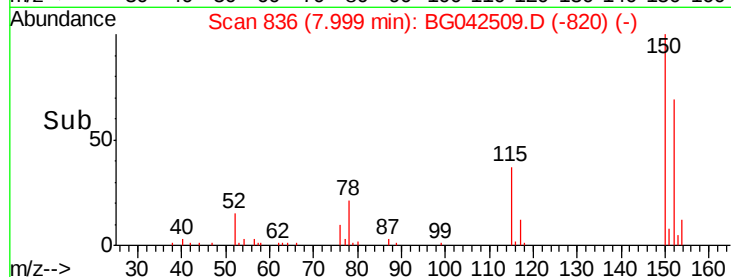
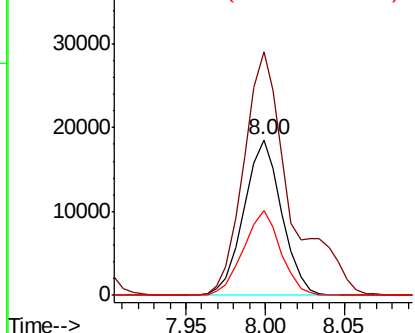
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.00 min Scan# 836
 Delta R.T. -0.01 min
 Lab File: BG042509.D
 Acq: 27 Aug 2019 18:13

Instrument :
 BNA_G
 ClientSampleId :
 NB-07-082619MSD

Tot Ion:152 Resp: 30491
 Ion Ratio Lower Upper
 152 100
 150 156.5 125.4 188.0
 115 54.3 38.5 57.7



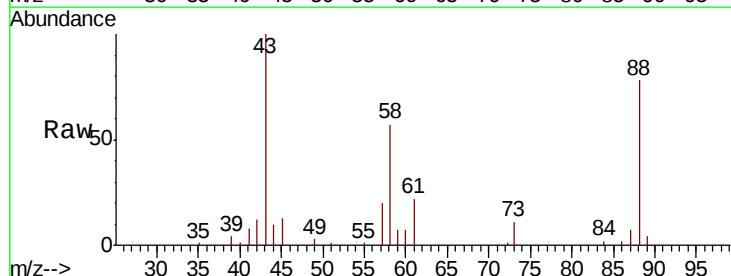
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



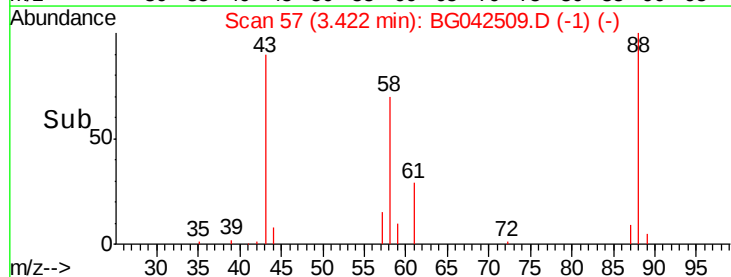
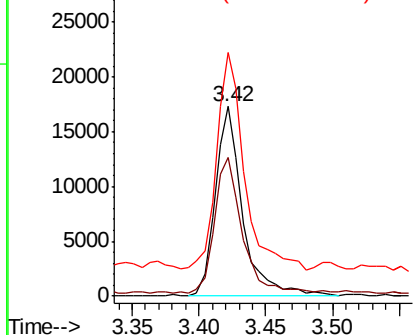
#2

1,4-Dioxane
 Concen: 39.575 ng
 RT: 3.42 min Scan# 57
 Delta R.T. -0.00 min
 Lab File: BG042509.D
 Acq: 27 Aug 2019 18:13

Tgt Ion: 88 Resp: 24864
 Ion Ratio Lower Upper
 88 100
 58 71.5 58.3 87.5
 43 115.6 20.2 30.2#



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: 32.638 ng

RT: 3.83 min Scan# 127

Delta R.T. 0.00 min

Lab File: BG042509.D

Acq: 27 Aug 2019 18:13

Instrument :

BNA_G

ClientSampleId :

NB-07-082619MSD

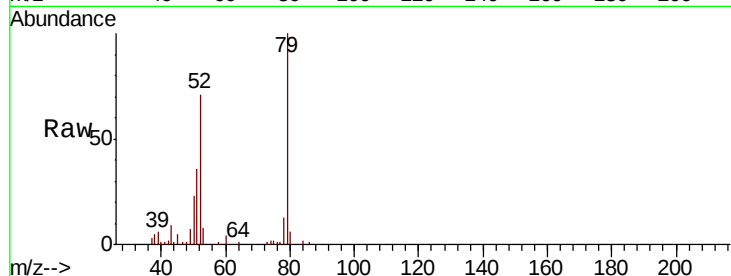
Tot Ion: 79 Resp: 52581

Ion Ratio Lower Upper

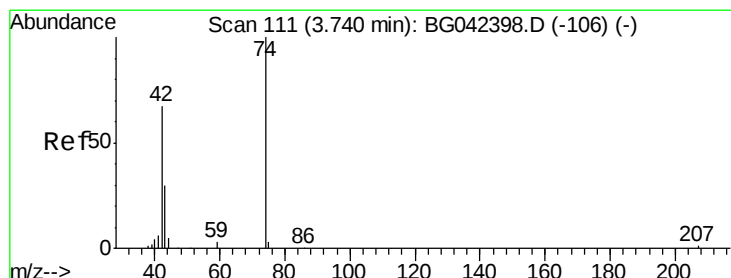
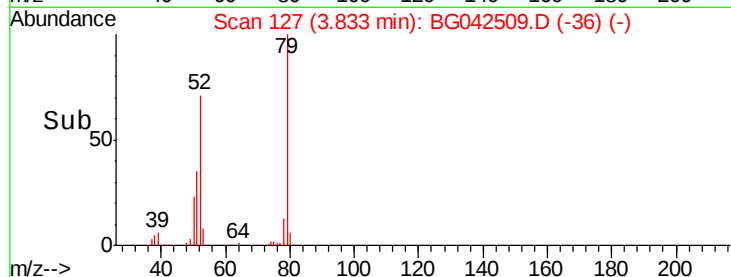
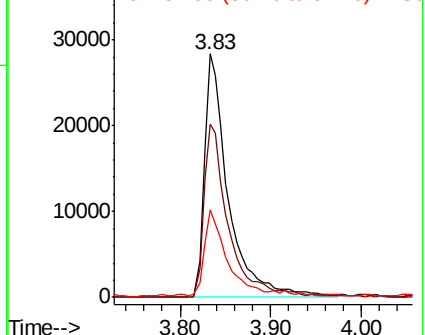
79 100

52 71.2 57.7 86.5

51 36.1 28.8 43.2



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 52.00 (51.70 to 52.70): BGC
Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 40.387 ng

RT: 3.73 min Scan# 110

Delta R.T. -0.01 min

Lab File: BG042509.D

Acq: 27 Aug 2019 18:13

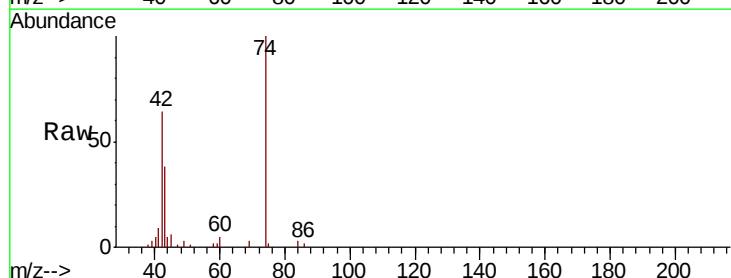
Tgt Ion: 42 Resp: 23239

Ion Ratio Lower Upper

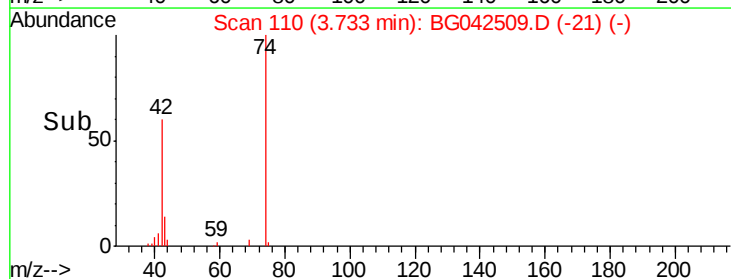
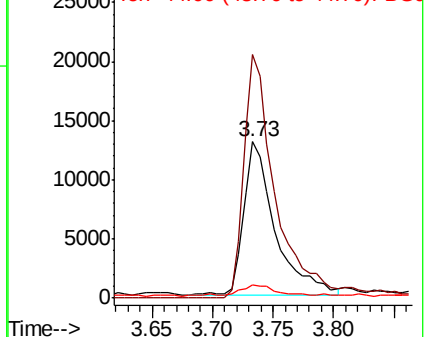
42 100

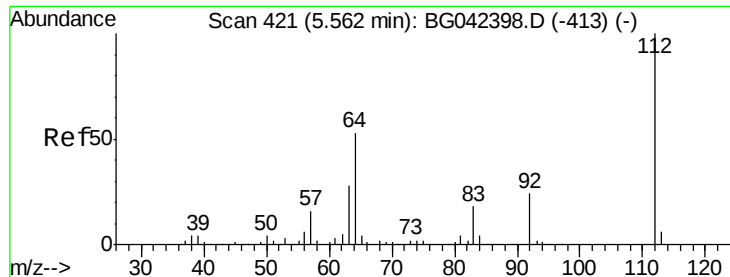
74 155.7 119.6 179.4

44 8.1 6.5 9.7



Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 134.848 ng

RT: 5.55 min Scan# 420

Delta R.T. -0.01 min

Lab File: BG042509.D

Acq: 27 Aug 2019 18:13

Instrument :

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ClientSampleId :

NB-07-082619MSD

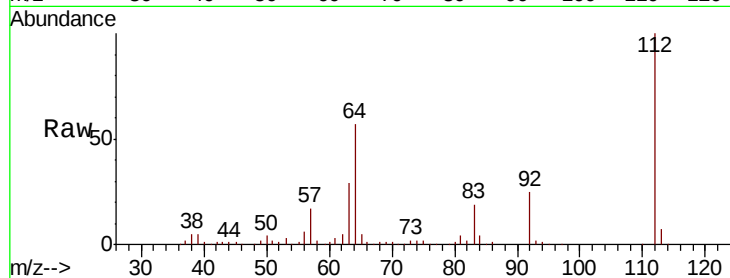
Tot Ion: 112 Resp: 203016

Ion Ratio Lower Upper

112 100

64 57.1 42.8 64.2

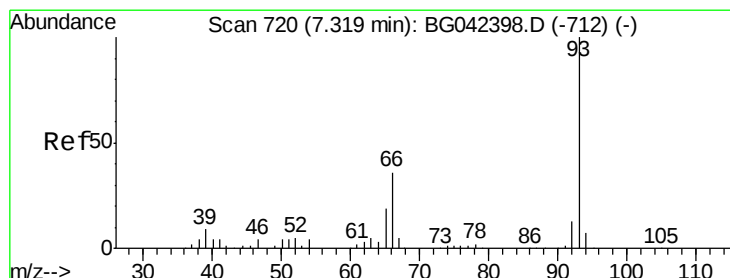
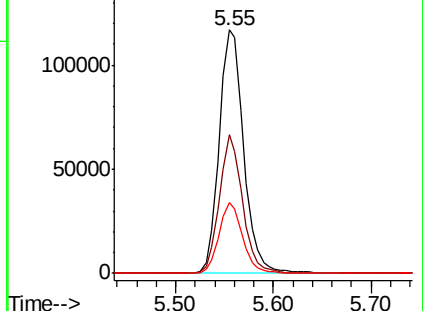
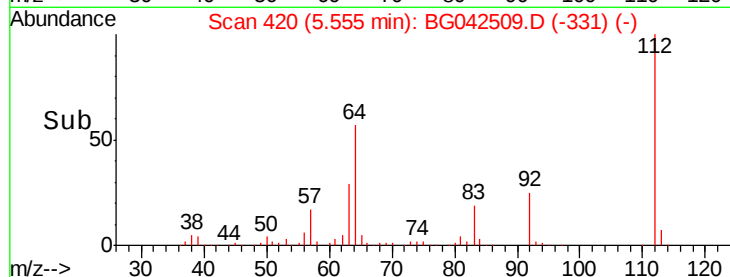
63 28.9 22.7 34.1



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



#6

Aniline

Concen: 14.483 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.00 min

Lab File: BG042509.D

Acq: 27 Aug 2019 18:13

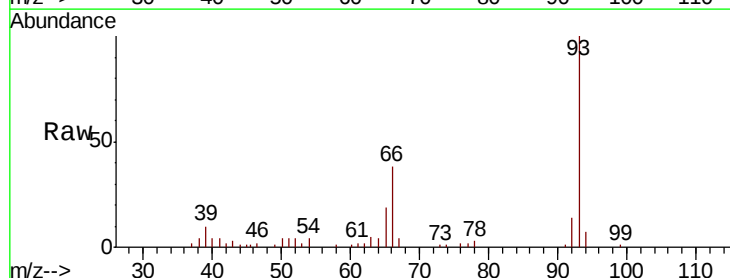
Tgt Ion: 93 Resp: 39283

Ion Ratio Lower Upper

93 100

66 37.5 29.0 43.6

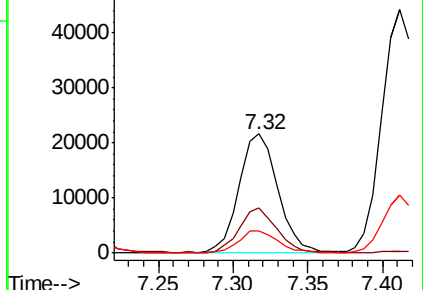
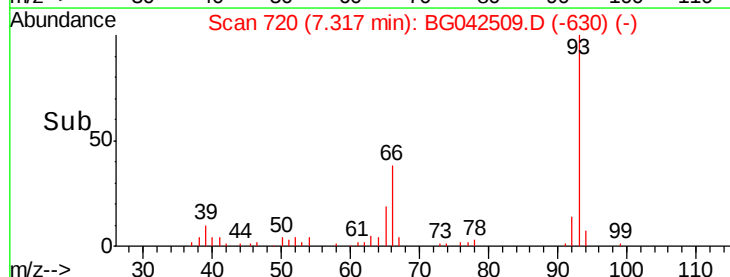
65 18.8 15.2 22.8

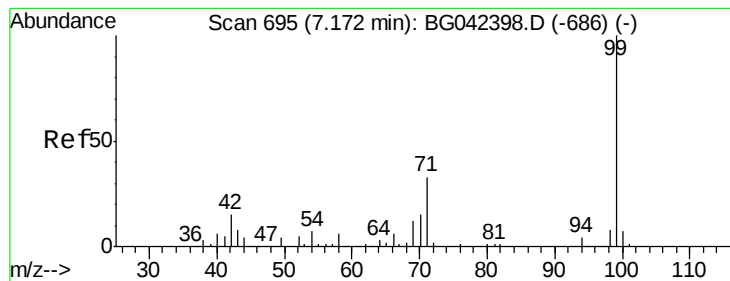


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 118.353 ng

RT: 7.16 min Scan# 694

Delta R.T. -0.01 min

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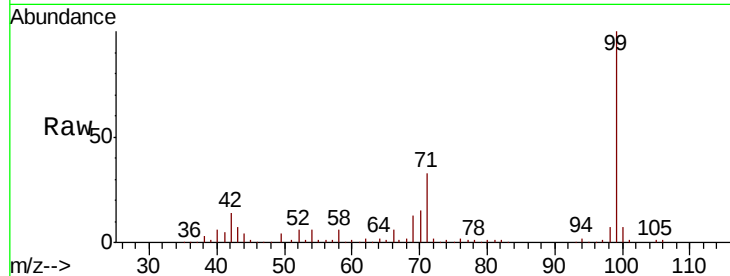
Tot Ion: 99 Resp: 240684

Ion Ratio Lower Upper

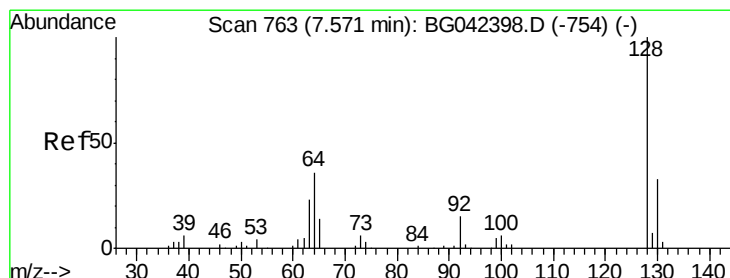
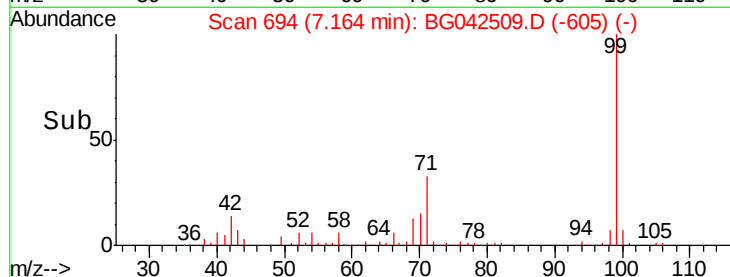
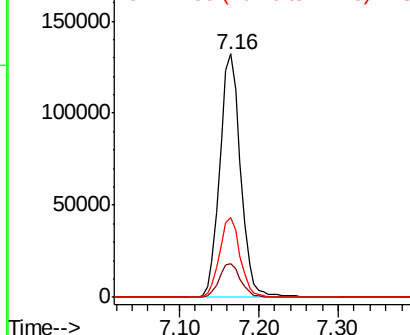
99 100

42 14.1 12.0 18.0

71 33.0 26.3 39.5



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: 45.479 ng

RT: 7.56 min Scan# 762

Delta R.T. -0.01 min

Lab File: BG042509.D

Acq: 27 Aug 2019 18:13

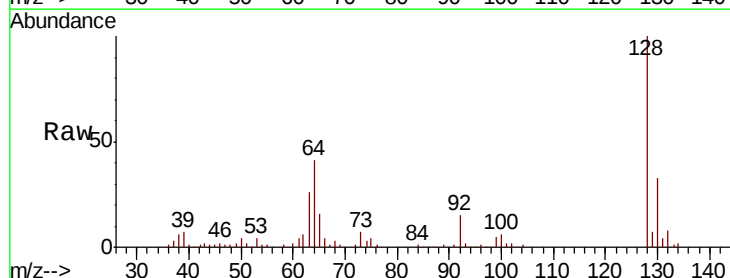
Tgt Ion: 128 Resp: 82980

Ion Ratio Lower Upper

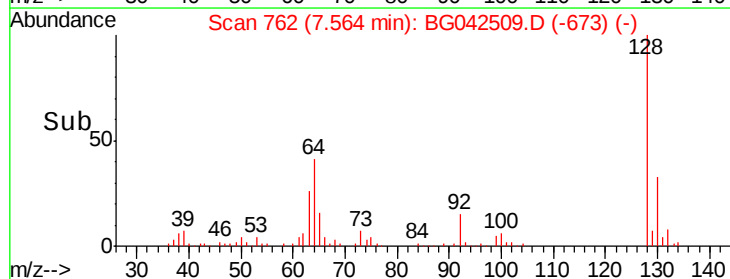
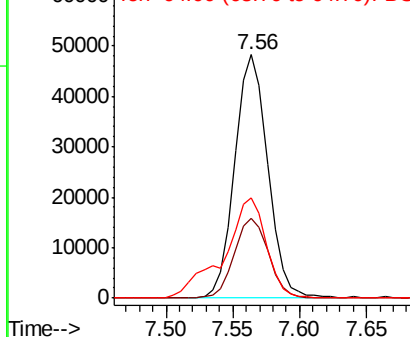
128 100

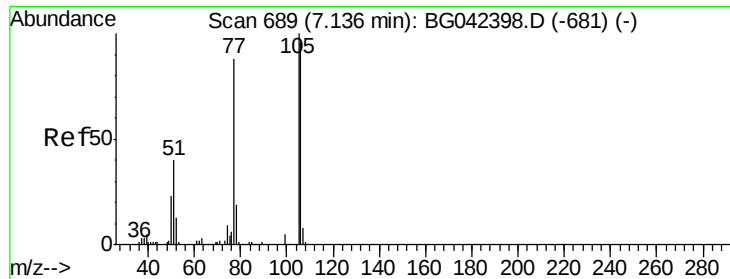
130 32.8 12.8 52.8

64 41.2 19.2 59.2



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: 52.646 ng

RT: 7.13 min Scan# 688

Delta R.T. -0.01 min

Lab File: BG042509.D

Acq: 27 Aug 2019 18:13

Instrument :

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ClientSampleId :

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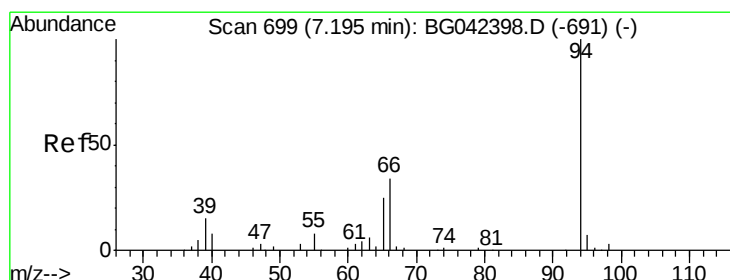
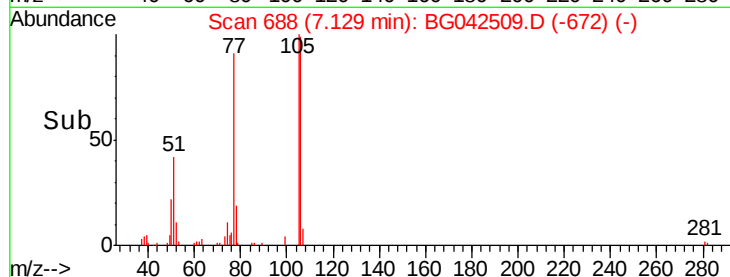
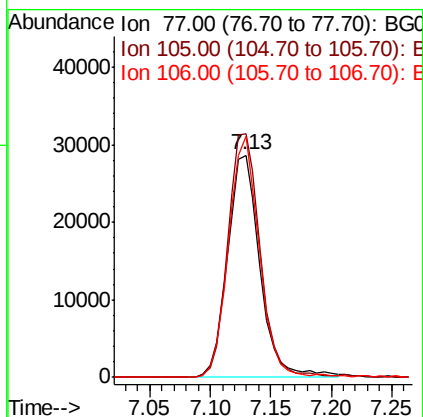
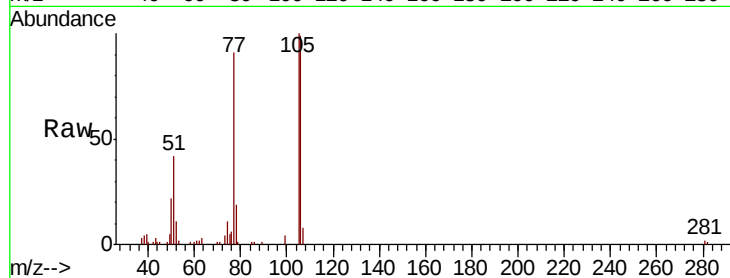
Tot Ion: 77 Resp: 53599

Ion Ratio Lower Upper

77 100

105 109.5 93.4 133.4

106 108.3 88.4 128.4



#10

Phenol

Concen: 39.193 ng

RT: 7.19 min Scan# 699

Delta R.T. -0.00 min

Lab File: BG042509.D

Acq: 27 Aug 2019 18:13

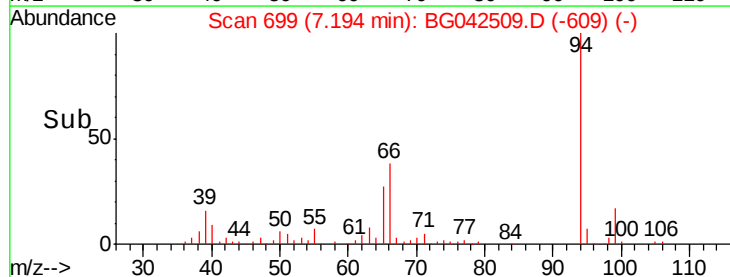
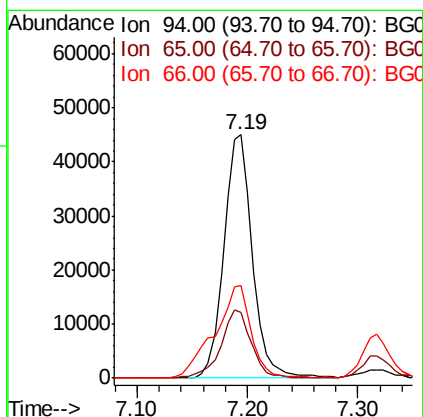
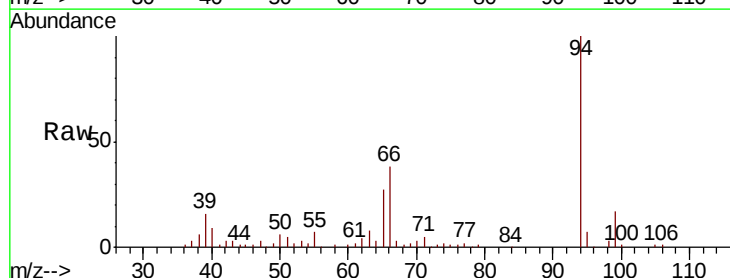
Tgt Ion: 94 Resp: 81038

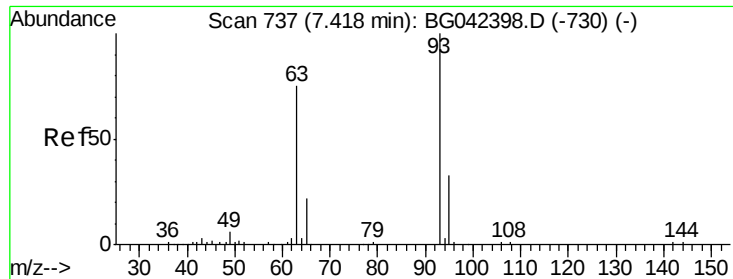
Ion Ratio Lower Upper

94 100

65 27.2 5.6 45.6

66 38.0 16.0 56.0





#11

bis(2-Chloroethyl)ether

Concen: 45.476 ng

RT: 7.41 min Scan# 736

Delta R.T. -0.01 min

Lab File: BG042509.D

Acq: 27 Aug 2019 18:13

Instrument :

BNA_G

ClientSampleId :

NB-07-082619MSD

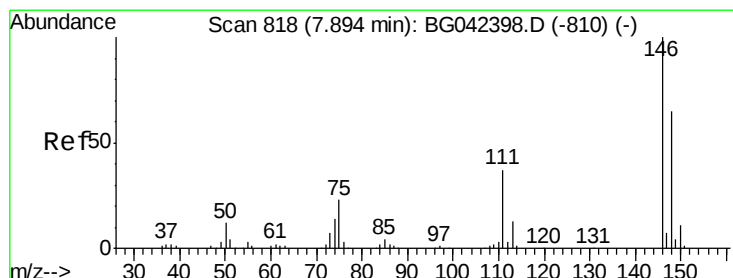
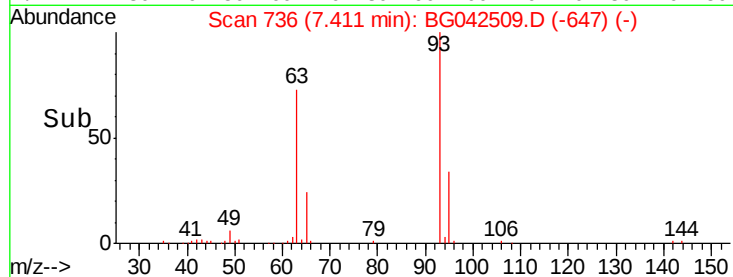
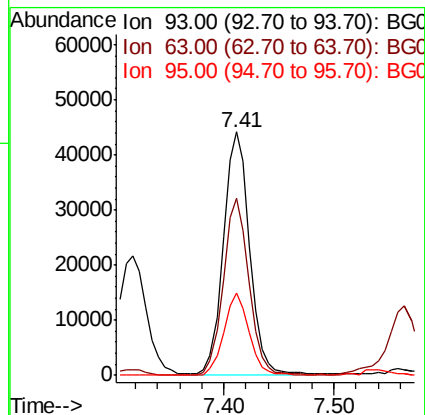
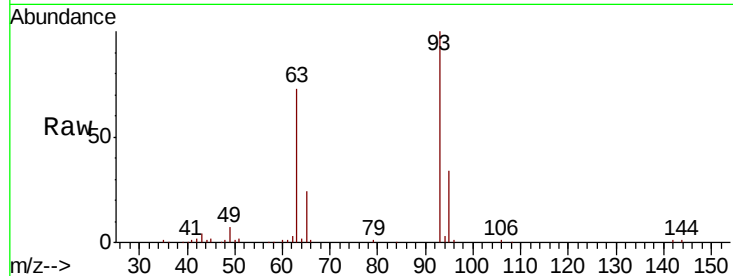
Tot Ion: 93 Resp: 73847

Ion Ratio Lower Upper

93 100

63 72.8 53.8 93.8

95 33.9 13.1 53.1



#12

1,3-Dichlorobenzene

Concen: 43.087 ng

RT: 7.89 min Scan# 817

Delta R.T. -0.01 min

Lab File: BG042509.D

Acq: 27 Aug 2019 18:13

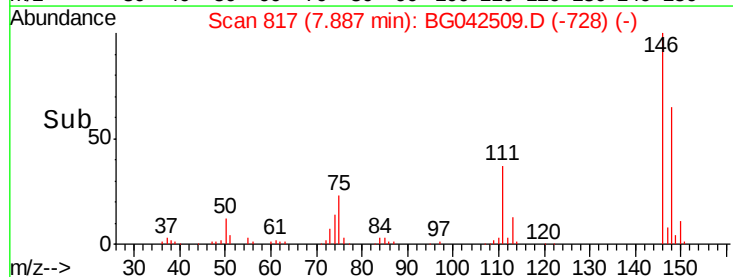
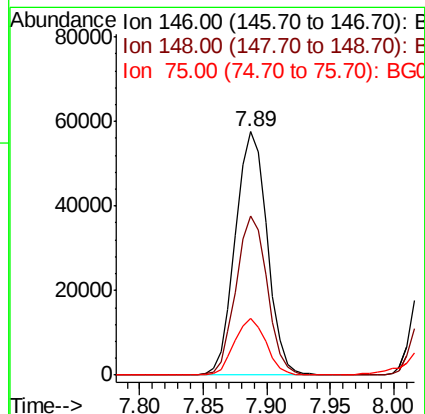
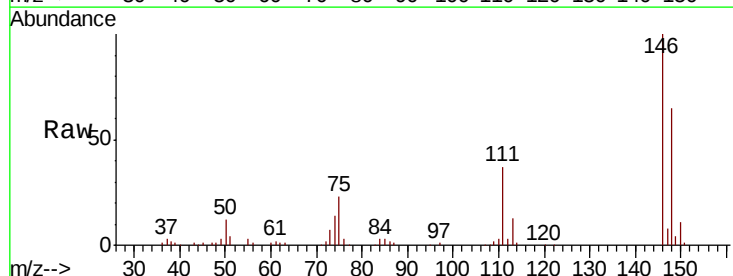
Tgt Ion: 146 Resp: 100009

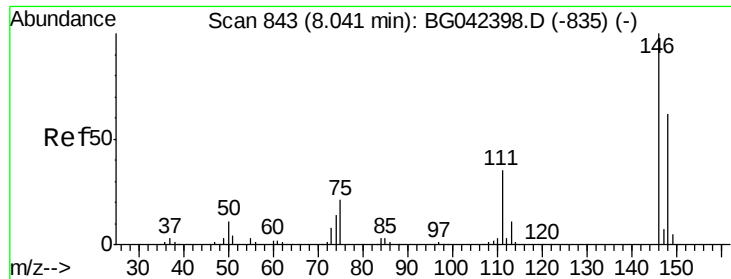
Ion Ratio Lower Upper

146 100

148 65.3 52.2 78.2

75 23.4 18.0 27.0

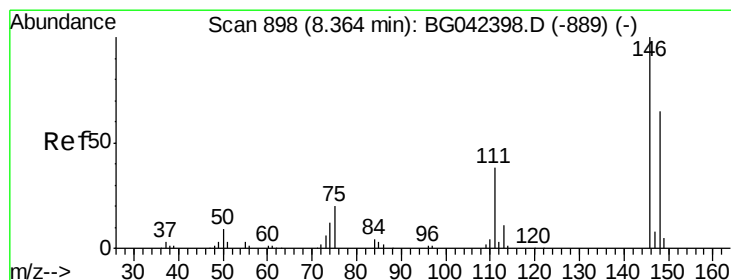
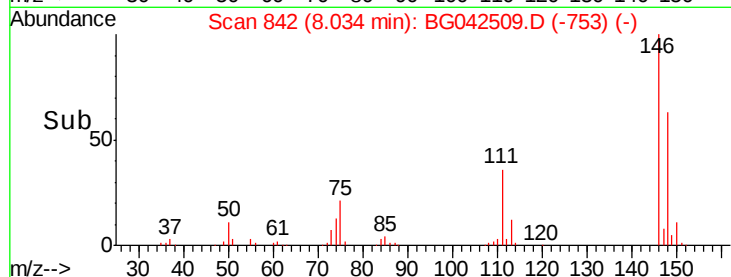
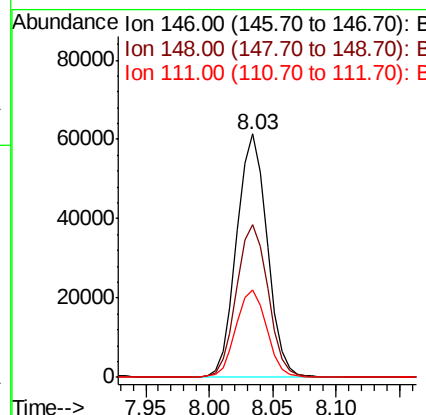
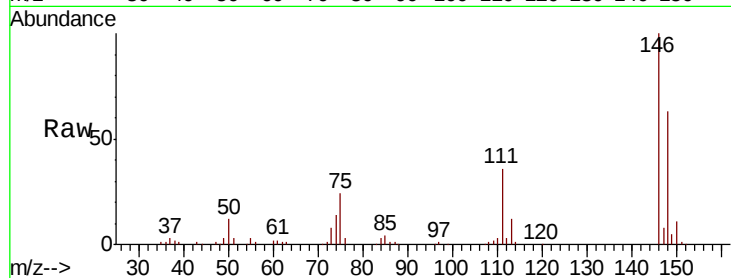




#13
 1,4-Dichlorobenzene
 Concen: 43.626 ng
 RT: 8.03 min Scan# 842
 Delta R.T. -0.01 min
 Lab File: BG042509.D
 Acq: 27 Aug 2019 18:13

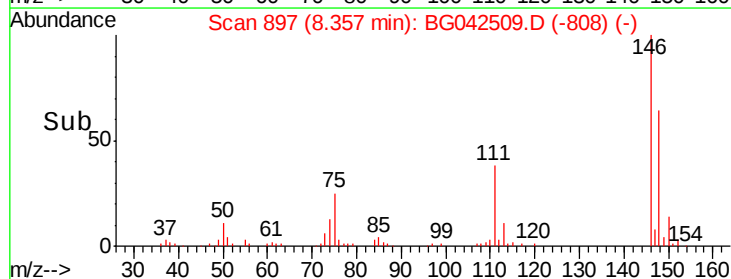
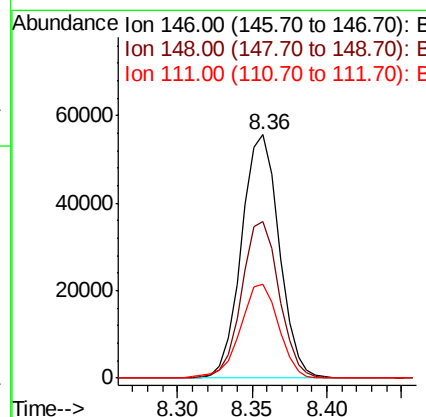
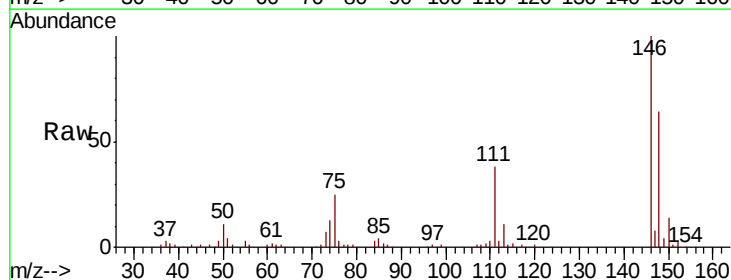
Instrument :
 BNA_G
 ClientSampleId :
 NB-07-082619MSD

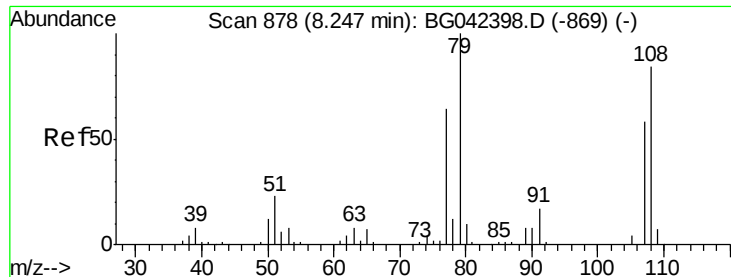
Tot Ion:146 Resp: 102568
 Ion Ratio Lower Upper
 146 100
 148 62.9 49.5 74.3
 111 36.0 28.1 42.1



#14
 1,2-Dichlorobenzene
 Concen: 43.233 ng
 RT: 8.36 min Scan# 897
 Delta R.T. -0.01 min
 Lab File: BG042509.D
 Acq: 27 Aug 2019 18:13

Tgt Ion:146 Resp: 97341
 Ion Ratio Lower Upper
 146 100
 148 64.3 51.8 77.6
 111 38.3 30.9 46.3





#15

Benzyl Alcohol

Concen: 40.449 ng

RT: 8.24 min Scan# 877

Delta R.T. -0.01 min

Lab File: BG042509.D

Acq: 27 Aug 2019 18:13

Instrument :

BNA_G

ClientSampleId :

NB-07-082619MSD

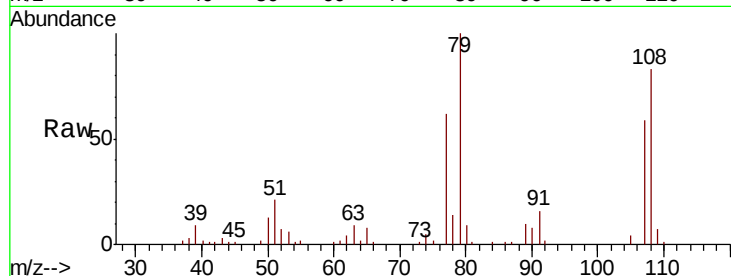
Tot Ion: 79 Resp: 59179

Ion Ratio Lower Upper

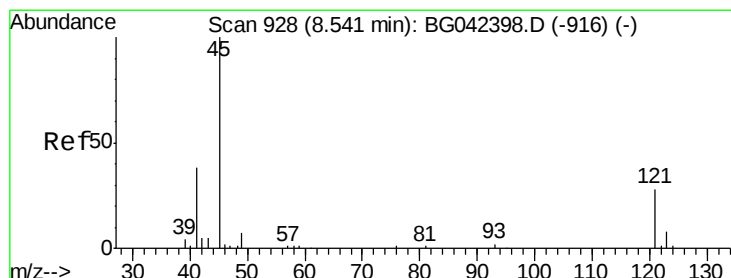
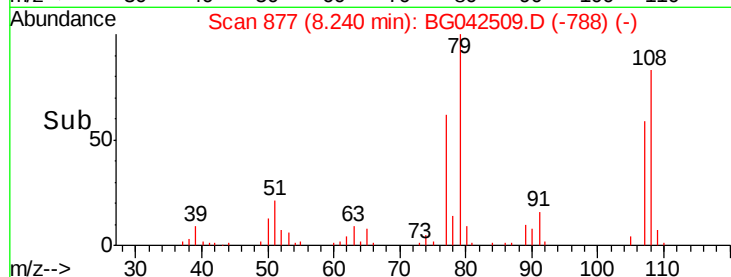
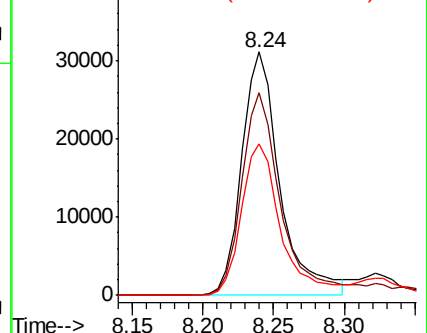
79 100

108 83.0 67.4 101.2

77 62.1 50.8 76.2



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: 40.822 ng

RT: 8.53 min Scan# 926

Delta R.T. -0.01 min

Lab File: BG042509.D

Acq: 27 Aug 2019 18:13

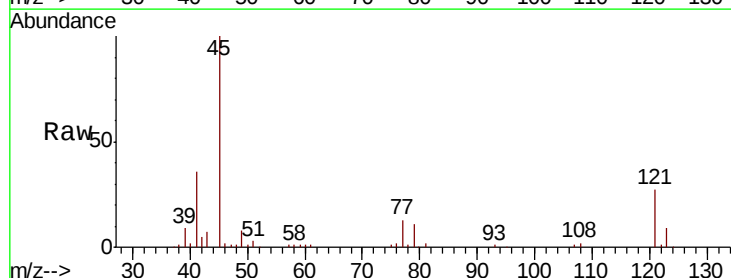
Tgt Ion: 45 Resp: 89848

Ion Ratio Lower Upper

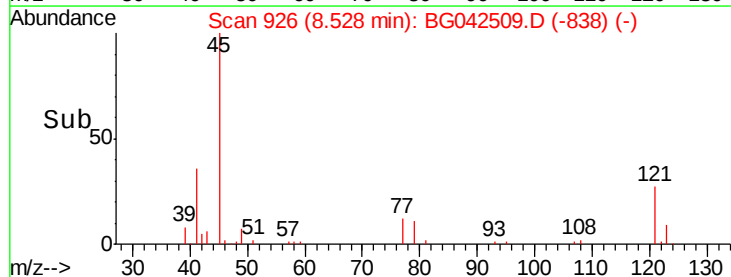
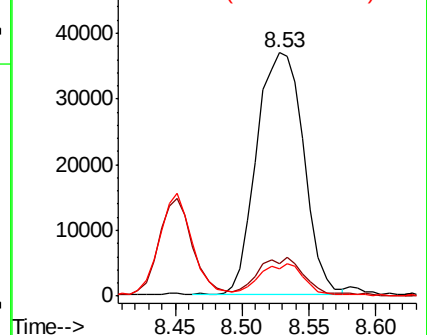
45 100

77 13.4 0.0 35.6

79 11.4 0.0 31.6



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

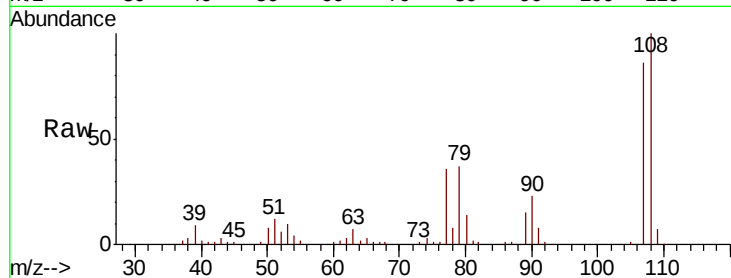




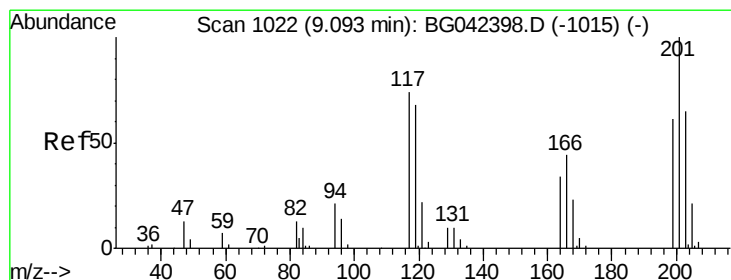
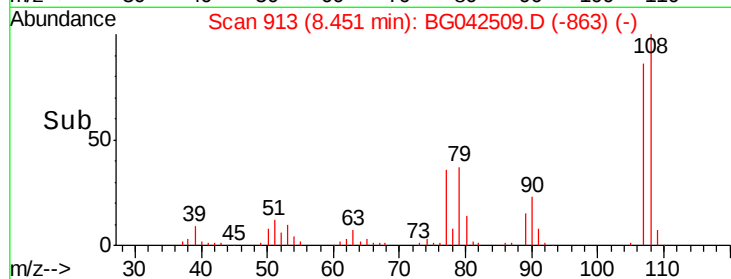
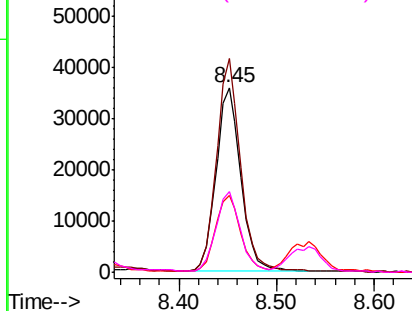
#17
2-Methylphenol
Concen: 41.463 ng
RT: 8.45 min Scan# 913
Delta R.T. -0.01 min
Lab File: BG042509.D
Acq: 27 Aug 2019 18:13

Instrument :
BNA_G
ClientSampleId :
NB-07-082619MSD

Tot Ion:107 Resp: 63146
Ion Ratio Lower Upper
107 100
108 115.9 92.9 139.3
77 41.3 34.4 51.6
79 43.4 33.8 50.6

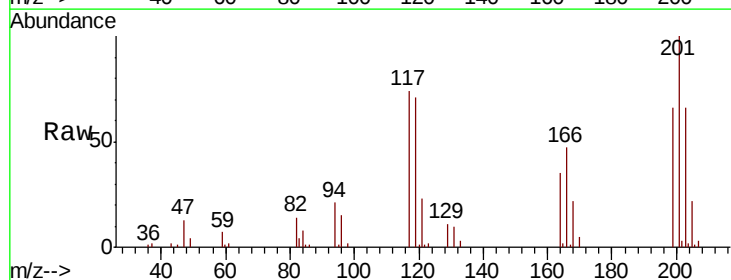


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 79.00 (78.70 to 79.70): BG

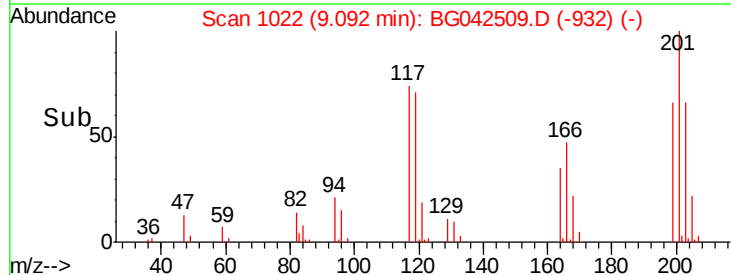
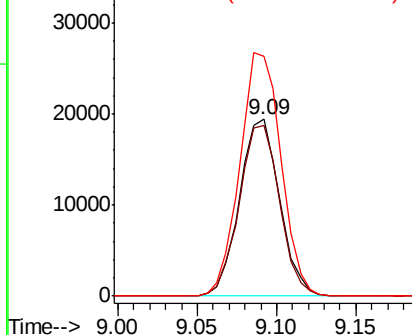


#18
Hexachloroethane
Concen: 42.459 ng
RT: 9.09 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BG042509.D
Acq: 27 Aug 2019 18:13

Tgt Ion:117 Resp: 34174
Ion Ratio Lower Upper
117 100
119 96.5 73.8 110.8
201 135.3 108.3 162.5



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: 39.954 ng

RT: 8.80 min Scan# 973

Delta R.T. -0.01 min

Lab File: BG042509.D

Acq: 27 Aug 2019 18:13

Instrument :

BNA_G

ClientSampleId :

NB-07-082619MSD

Tot Ion: 70 Resp: 52639

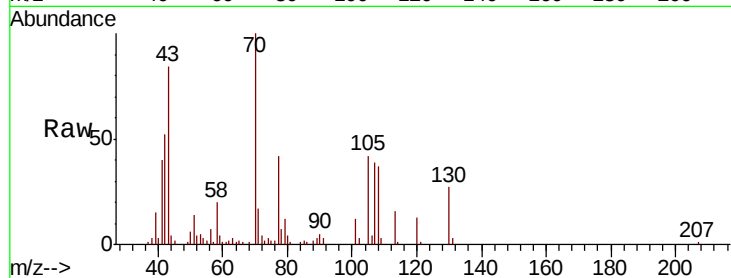
Ion Ratio Lower Upper

70 100

42 52.3 38.8 58.2

101 11.6 9.0 13.6

130 26.7 20.0 30.0



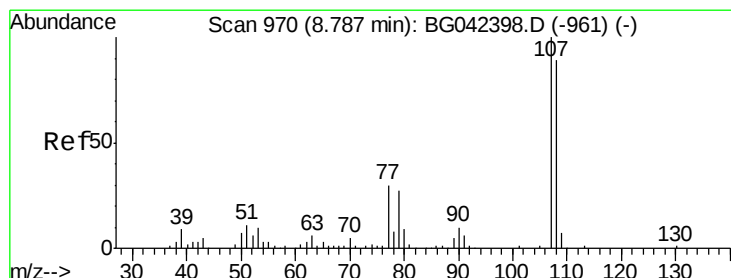
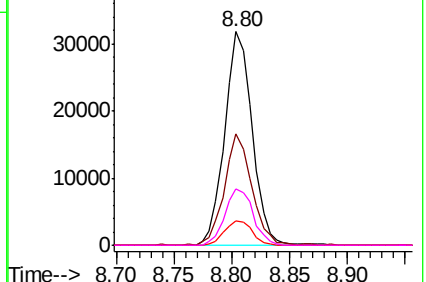
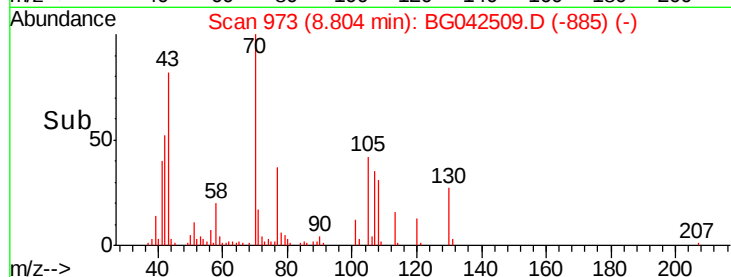
Abundance

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: 39.647 ng

RT: 8.78 min Scan# 969

Delta R.T. -0.01 min

Lab File: BG042509.D

Acq: 27 Aug 2019 18:13

Tgt Ion: 107 Resp: 83551

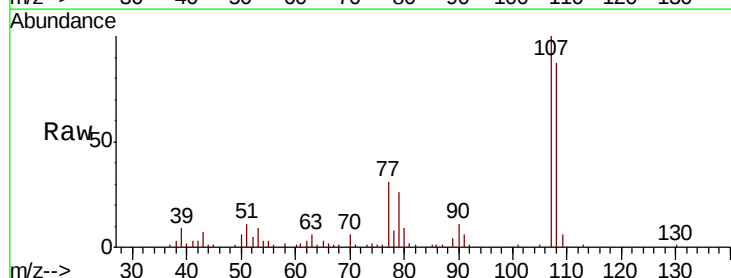
Ion Ratio Lower Upper

107 100

108 87.3 68.7 108.7

77 30.8 10.2 50.2

79 26.1 6.9 46.9



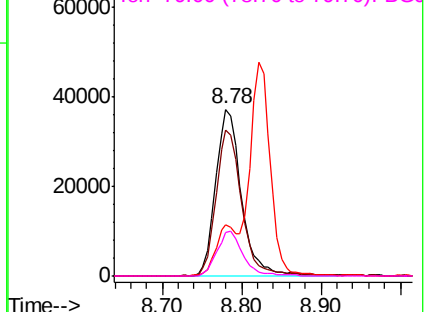
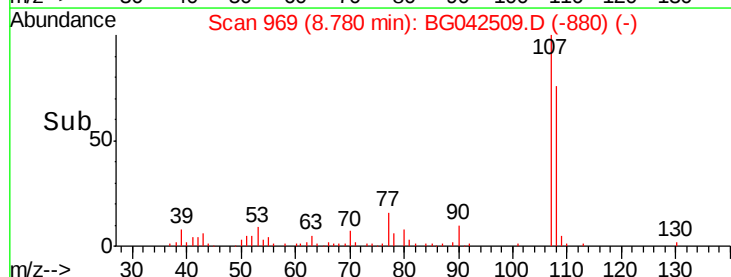
Abundance

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: 10.82 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BG042509.D

Acq: 27 Aug 2019 18:13

Instrument :

BNA_G

ClientSampleId :

NB-07-082619MSD

Tot Ion:136 Resp: 106405

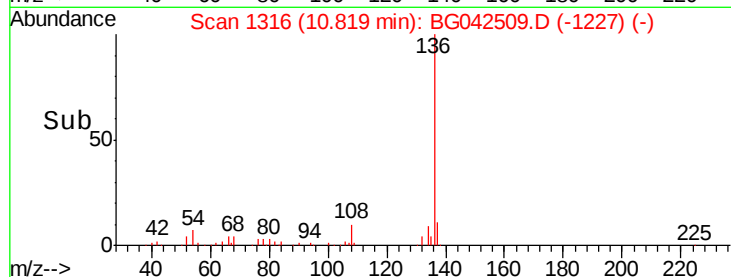
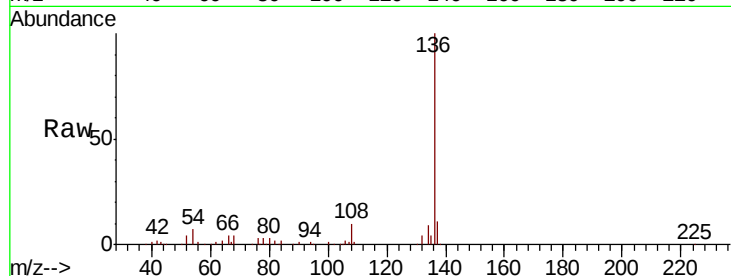
Ion Ratio Lower Upper

136 100

137 10.5 8.7 13.1

54 6.6 4.9 7.3

68 4.0 3.6 5.4

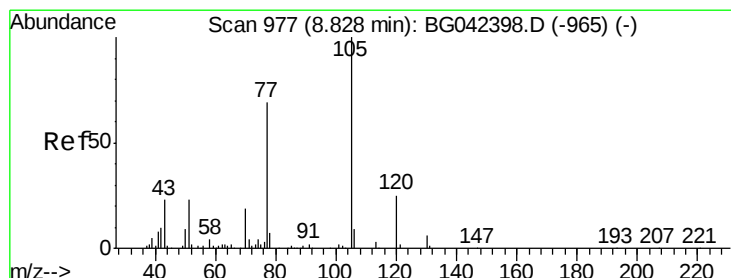
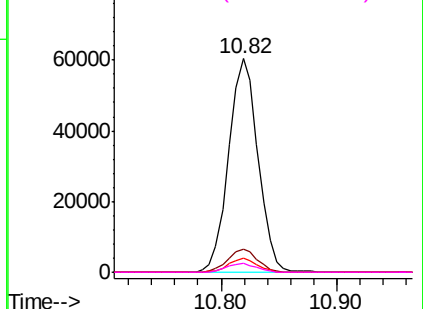


Abundance Ion 136.00 (135.70 to 136.70): E

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: 51.829 ng

RT: 8.83 min Scan# 977

Delta R.T. -0.00 min

Lab File: BG042509.D

Acq: 27 Aug 2019 18:13

Tgt Ion:105 Resp: 117954

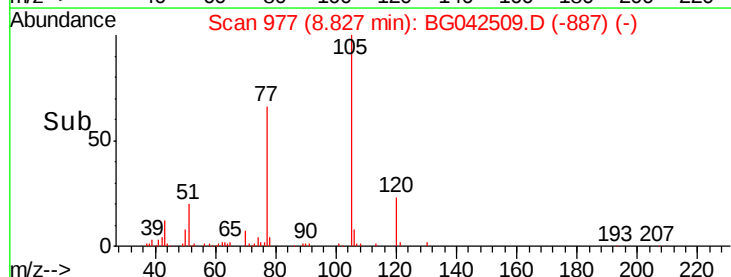
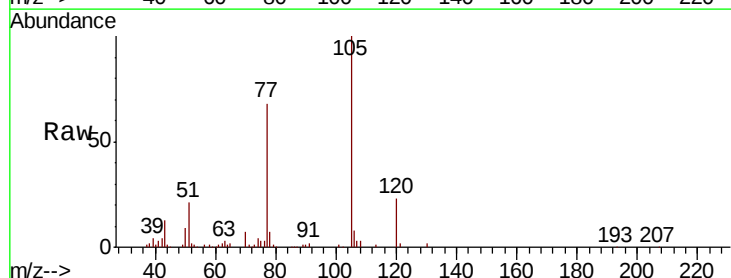
Ion Ratio Lower Upper

105 100

71 1.2 2.8 4.2#

51 21.0 18.7 28.1

120 22.6 20.1 30.1

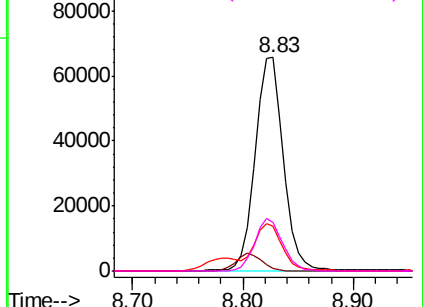


Abundance Ion 105.00 (104.70 to 105.70): E

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

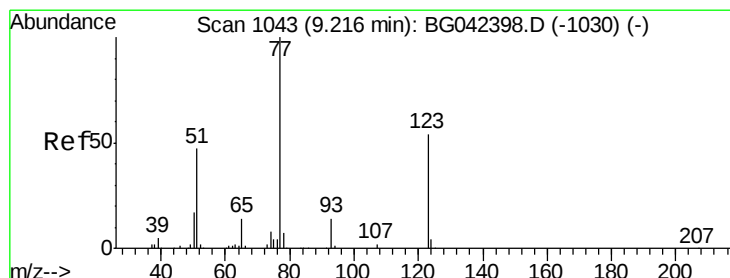
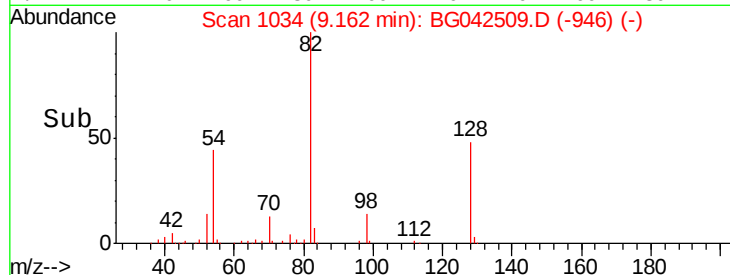
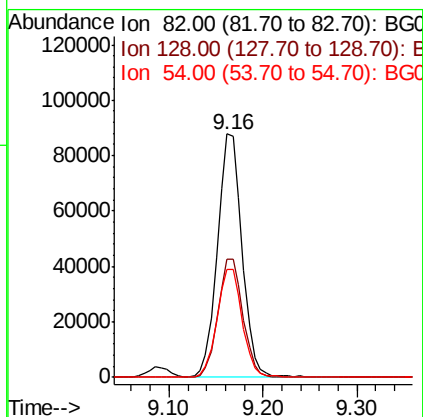
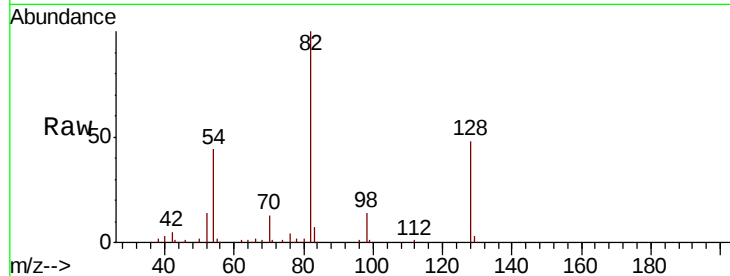




#23
Nitrobenzene-d5
Concen: 104.013 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042509.D
Acq: 27 Aug 2019 18:13

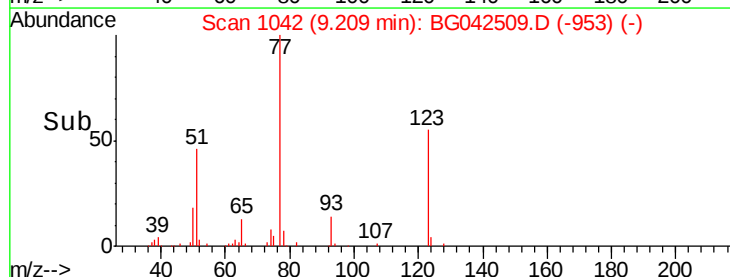
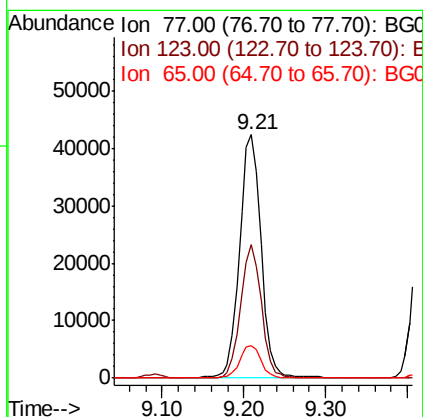
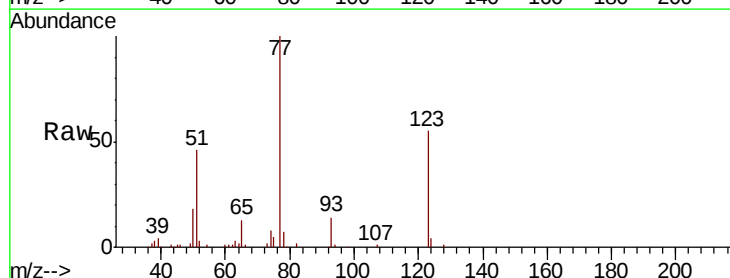
Instrument :
BNA_G
ClientSampleId :
NB-07-082619MSD

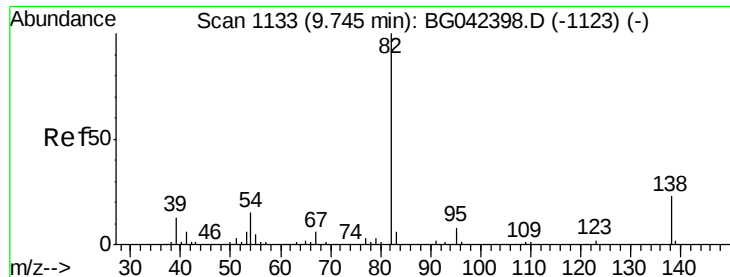
Tot Ion	82	Resp	160158
Ion Ratio	Lower	Upper	
82	100		
128	48.4	40.7	61.1
54	44.3	36.3	54.5



#24
Nitrobenzene
Concen: 50.072 ng
RT: 9.21 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BG042509.D
Acq: 27 Aug 2019 18:13

Tgt Ion	77	Resp	78075
Ion Ratio	Lower	Upper	
77	100		
123	55.0	43.4	65.0
65	13.2	11.0	16.6





#25

Isophorone

Concen: 47.185 ng

RT: 9.73 min Scan# 1131

Delta R.T. -0.01 min

Lab File: BG042509.D

Acq: 27 Aug 2019 18:13

Instrument :

BNA_G

ClientSampleId :

NB-07-082619MSD

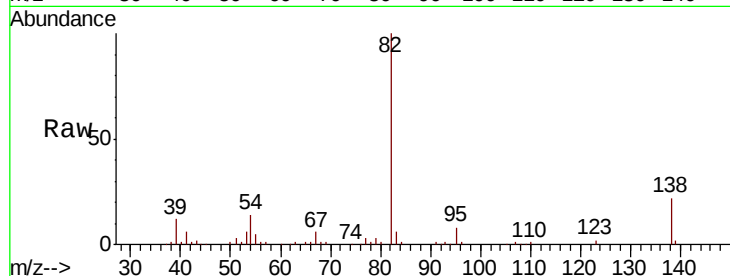
Tot Ion: 82 Resp: 143387

Ion Ratio Lower Upper

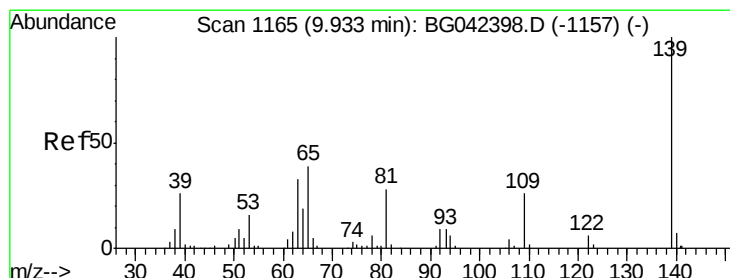
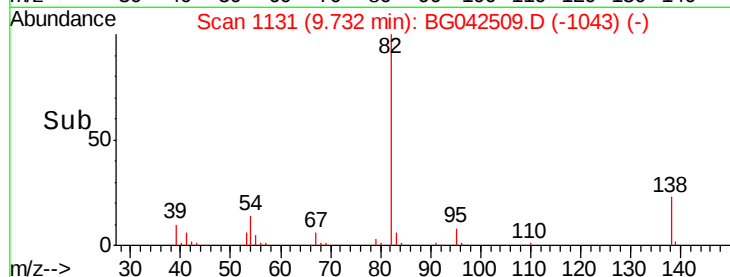
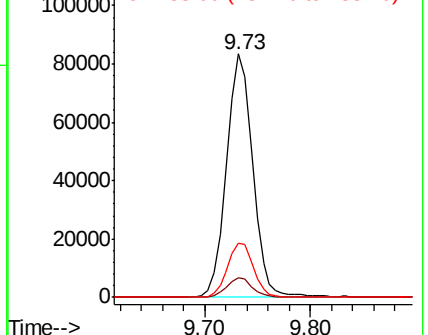
82 100

95 7.8 6.6 9.8

138 22.5 18.6 27.8



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#26

2-Nitrophenol

Concen: 49.995 ng

RT: 9.93 min Scan# 1164

Delta R.T. -0.01 min

Lab File: BG042509.D

Acq: 27 Aug 2019 18:13

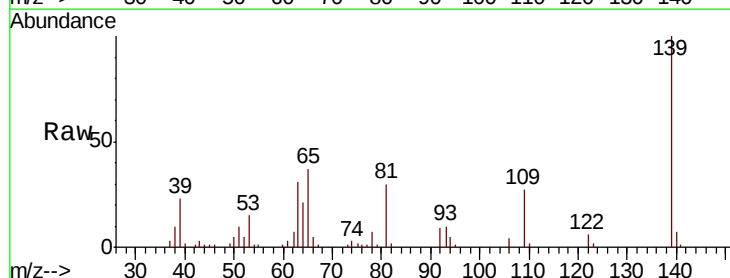
Tgt Ion: 139 Resp: 48851

Ion Ratio Lower Upper

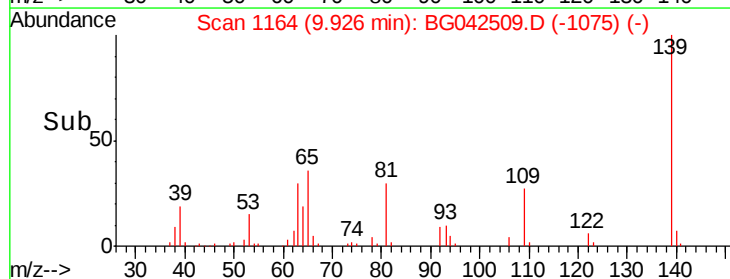
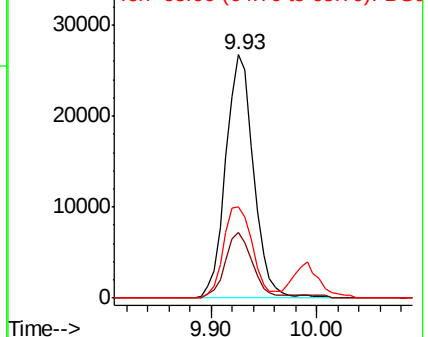
139 100

109 27.1 20.5 30.7

65 37.4 30.9 46.3



Abundance Ion 139.00 (138.70 to 139.70): BGC
Ion 109.00 (108.70 to 109.70): BGC
Ion 65.00 (64.70 to 65.70): BGC

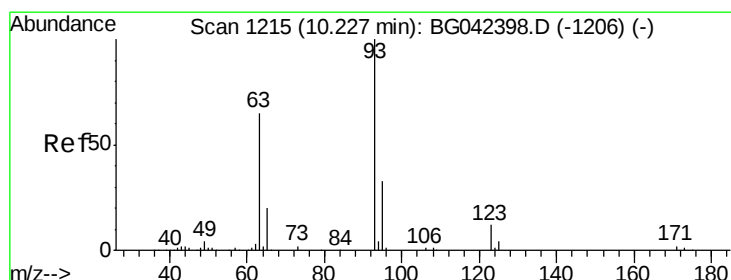
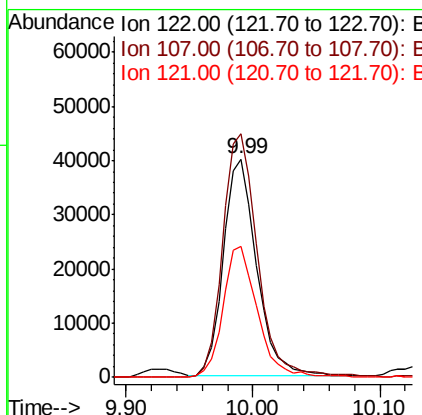
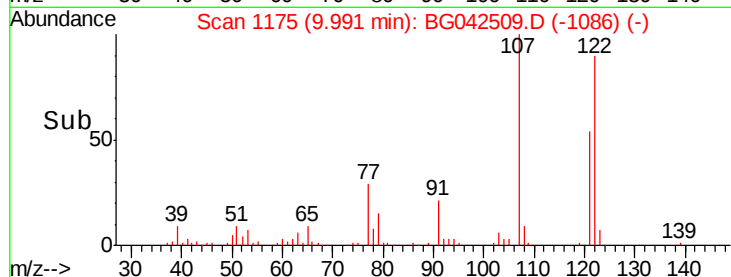
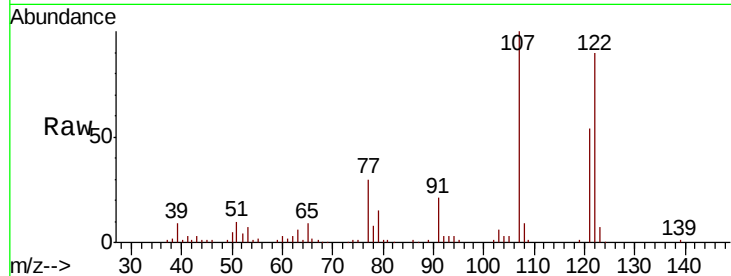




#27
 2,4-Dimethylphenol
 Concen: 54.072 ng
 RT: 9.99 min Scan# 1175
 Delta R.T. -0.01 min
 Lab File: BG042509.D
 Acq: 27 Aug 2019 18:13

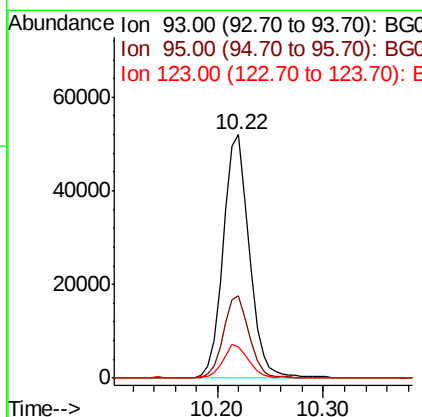
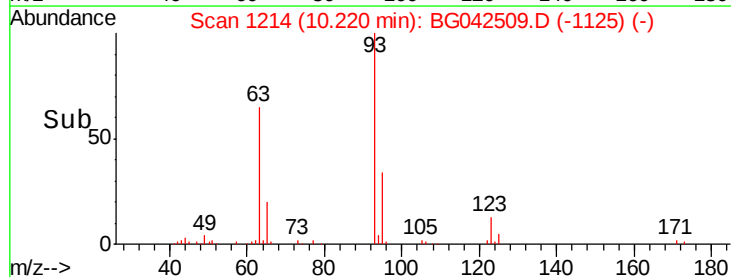
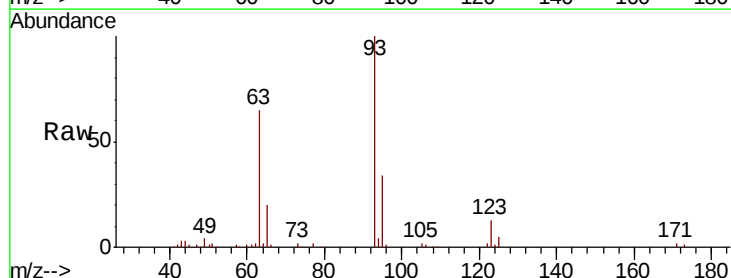
Instrument :
 BNA_G
 ClientSampleId :
 NB-07-082619MSD

Tot Ion:122 Resp: 72781
 Ion Ratio Lower Upper
 122 100
 107 111.7 90.8 136.2
 121 59.9 49.6 74.4



#28
 bis(2-Chloroethoxy)methane
 Concen: 46.633 ng
 RT: 10.22 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BG042509.D
 Acq: 27 Aug 2019 18:13

Tgt Ion: 93 Resp: 89316
 Ion Ratio Lower Upper
 93 100
 95 33.8 26.6 40.0
 123 13.0 10.1 15.1

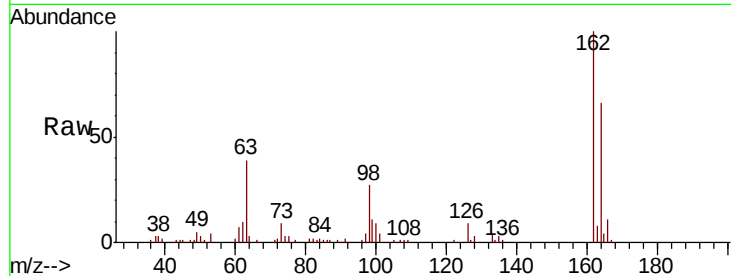




#29
 2,4-Dichlorophenol
 Concen: 49.039 ng
 RT: 10.48 min Scan# 1258
 Delta R.T. -0.00 min
 Lab File: BG042509.D
 Acq: 27 Aug 2019 18:13

Instrument :
 BNA_G
 ClientSampleId :
 NB-07-082619MSD

Tot Ion	162	Resp	86360
Ion	Ratio	Lower	Upper
162	100		
164	66.2	48.1	88.1
98	27.3	7.6	47.6

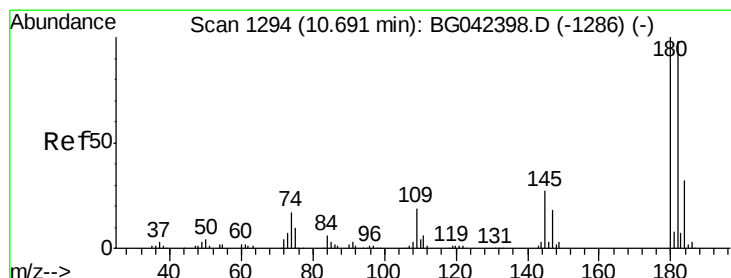
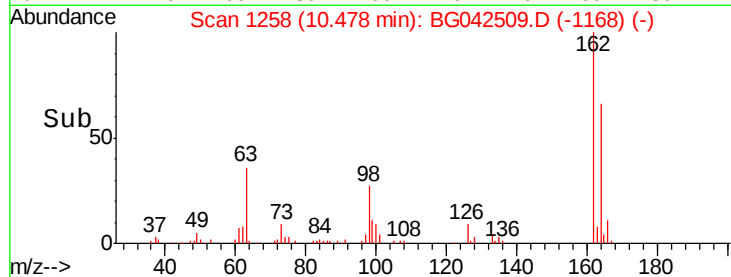
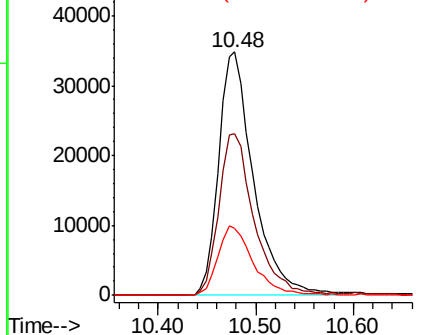


Abundance

Ion 162.00 (161.70 to 162.70): E

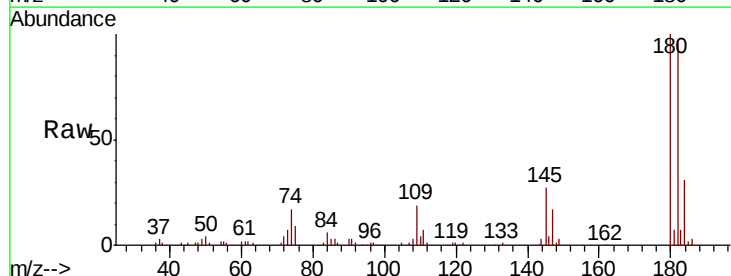
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): B



#30
 1,2,4-Trichlorobenzene
 Concen: 47.932 ng
 RT: 10.68 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: BG042509.D
 Acq: 27 Aug 2019 18:13

Tgt Ion	180	Resp	103607
Ion	Ratio	Lower	Upper
180	100		
182	96.8	78.7	118.1
145	27.2	21.6	32.4

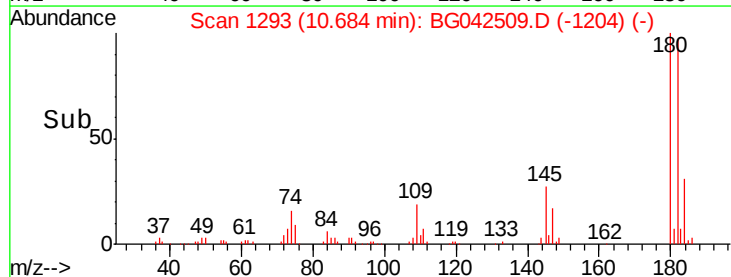
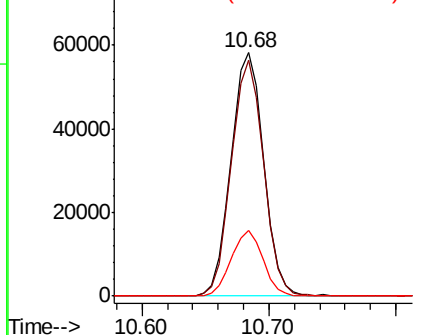


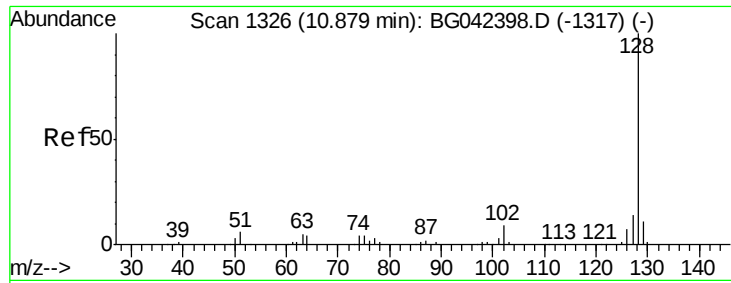
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

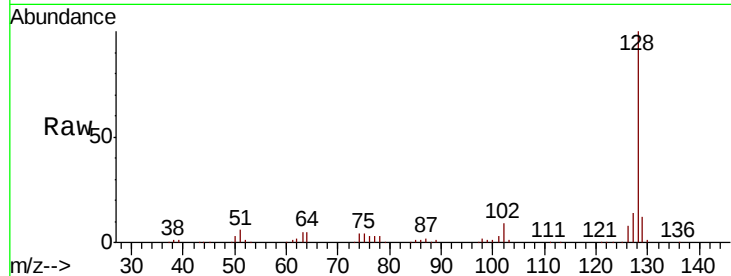




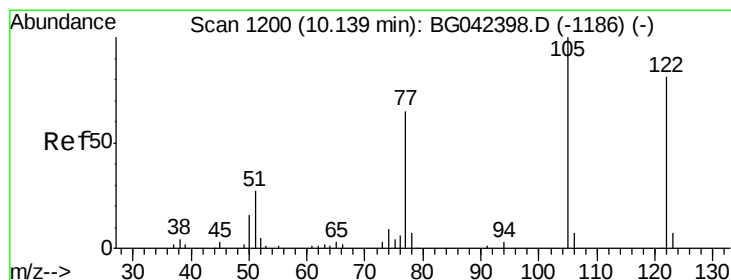
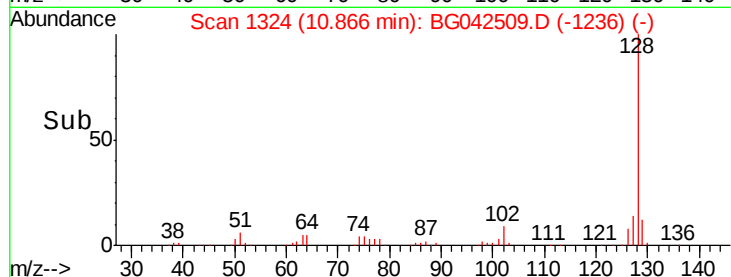
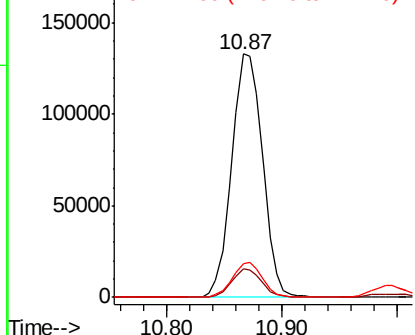
#31
Naphthalene
Concen: 49.785 ng
RT: 10.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BG042509.D
Acq: 27 Aug 2019 18:13

Instrument :
BNA_G
ClientSampleId :
NB-07-082619MSD

Tot Ion:128 Resp: 245946
Ion Ratio Lower Upper
128 100
129 11.5 8.8 13.2
127 14.0 11.4 17.0

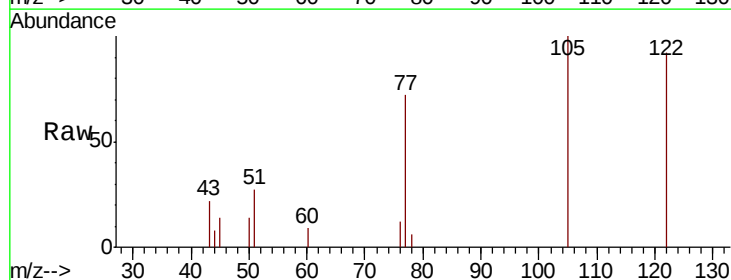


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

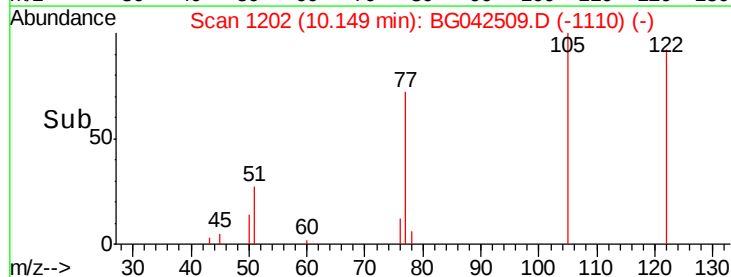
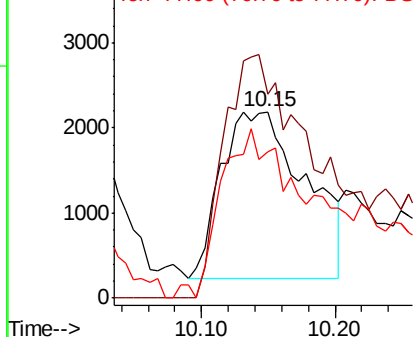


#32
Benzoic acid
Concen: 15.465 ng
RT: 10.15 min Scan# 1202
Delta R.T. 0.01 min
Lab File: BG042509.D
Acq: 27 Aug 2019 18:13

Tgt Ion:122 Resp: 8588
Ion Ratio Lower Upper
122 100
105 109.0 99.6 139.6
77 78.1 59.5 99.5



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGO

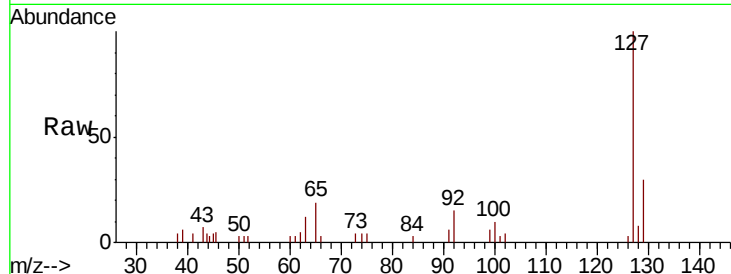




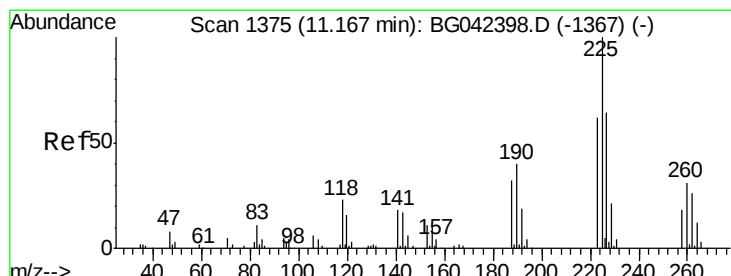
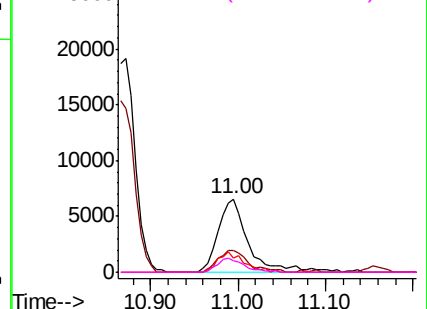
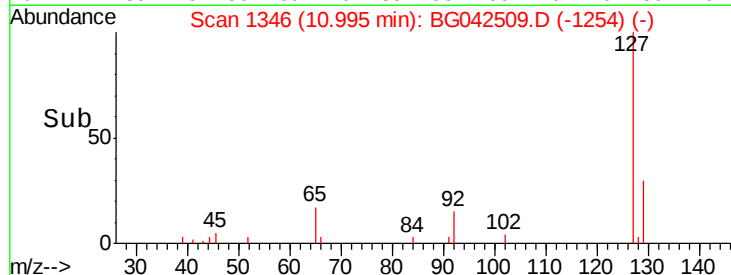
#33
4-Chloroaniline
Concen: 6.891 ng
RT: 11.00 min Scan# 1346
Delta R.T. 0.01 min
Lab File: BG042509.D
Acq: 27 Aug 2019 18:13

Instrument :
BNA_G
ClientSampleId :
NB-07-082619MSD

Tot Ion:	127	Resp:	15715
Ion	Ratio	Lower	Upper
127	100		
129	29.6	26.8	40.2
65	19.2	20.7	31.1#
92	15.0	13.6	20.4

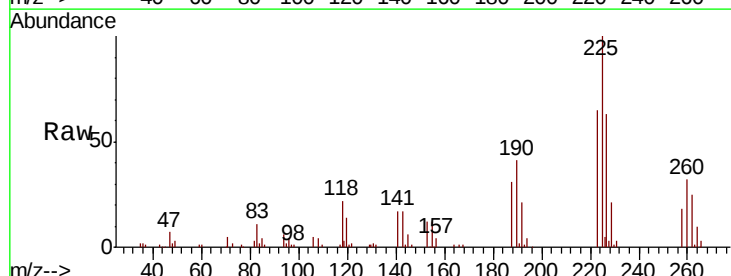


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

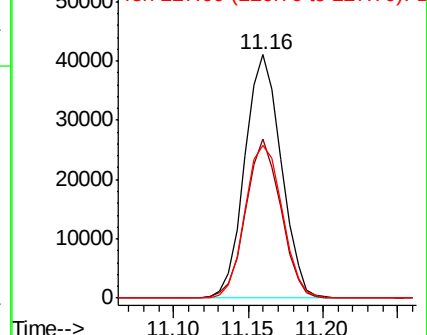
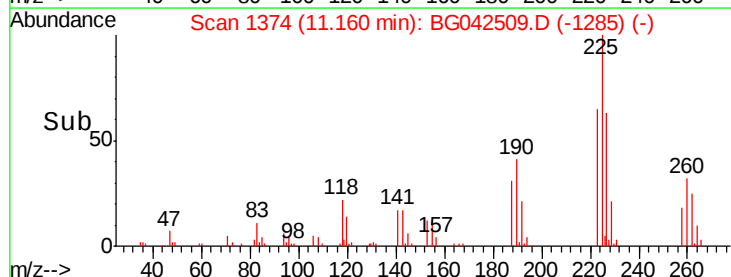


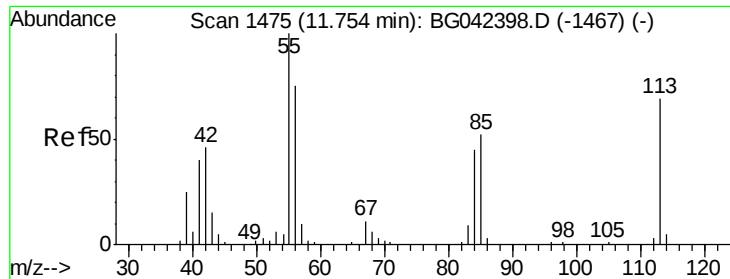
#34
Hexachlorobutadiene
Concen: 47.807 ng
RT: 11.16 min Scan# 1374
Delta R.T. -0.01 min
Lab File: BG042509.D
Acq: 27 Aug 2019 18:13

Tgt Ion:	225	Resp:	69450
Ion	Ratio	Lower	Upper
225	100		
223	65.1	49.8	74.6
227	65.5	50.9	76.3



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: 41.980 ng

RT: 11.79 min Scan# 1481

Delta R.T. 0.03 min

Lab File: BG042509.D

Acq: 27 Aug 2019 18:13

Instrument :

BNA_G

ClientSampleId :

NB-07-082619MSD

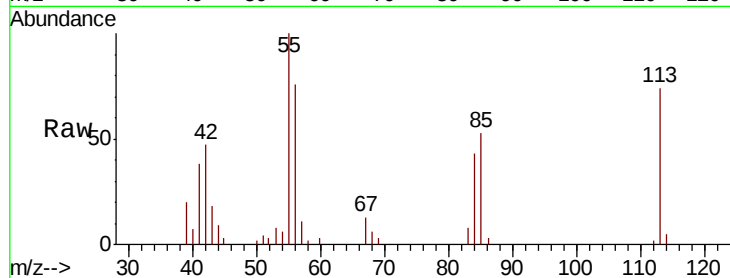
Tot Ion:113 Resp: 24668

Ion Ratio Lower Upper

113 100

55 135.9 124.6 164.6

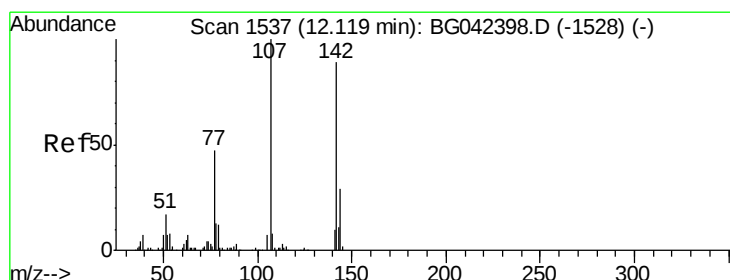
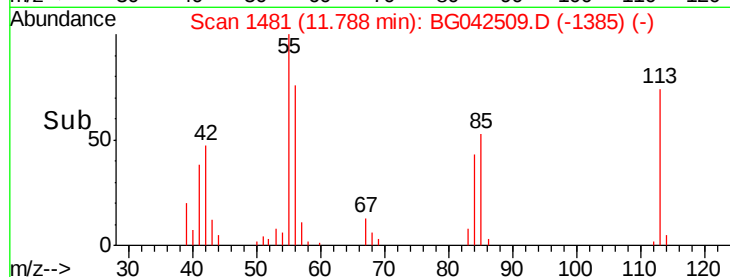
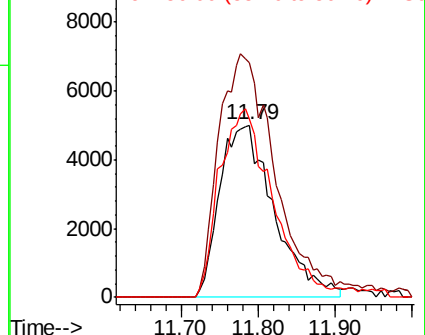
56 103.3 88.3 128.3



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#36

4-Chloro-3-methylphenol

Concen: 49.848 ng

RT: 12.11 min Scan# 1536

Delta R.T. -0.01 min

Lab File: BG042509.D

Acq: 27 Aug 2019 18:13

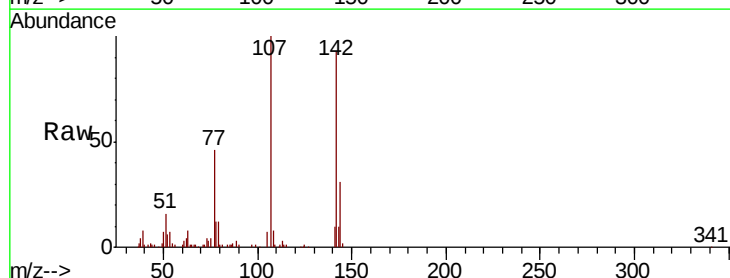
Tgt Ion:107 Resp: 83332

Ion Ratio Lower Upper

107 100

144 30.8 23.6 35.4

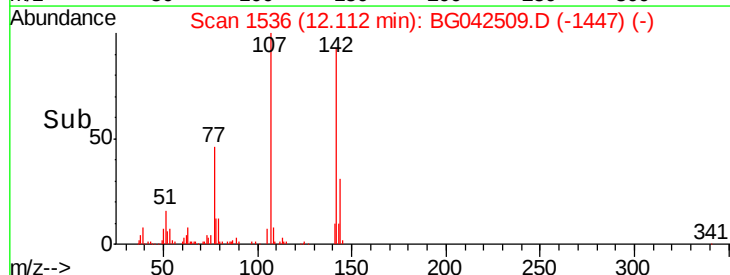
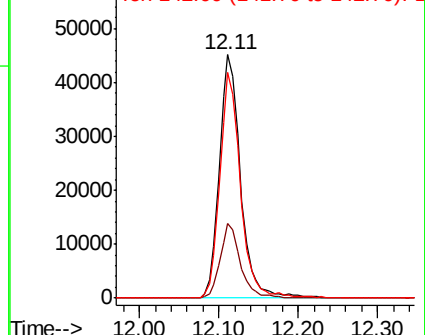
142 92.6 71.0 106.4



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

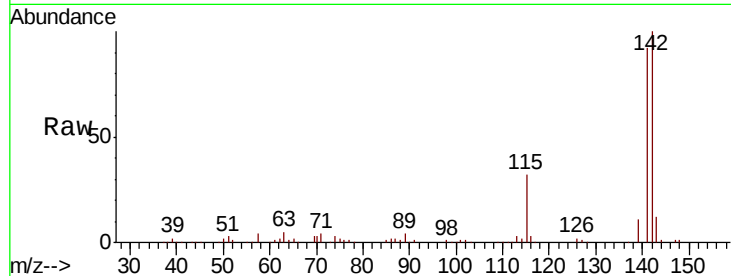




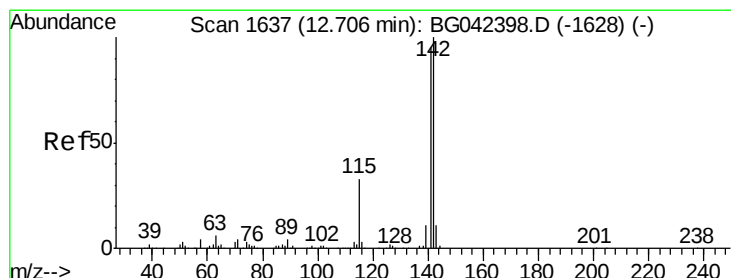
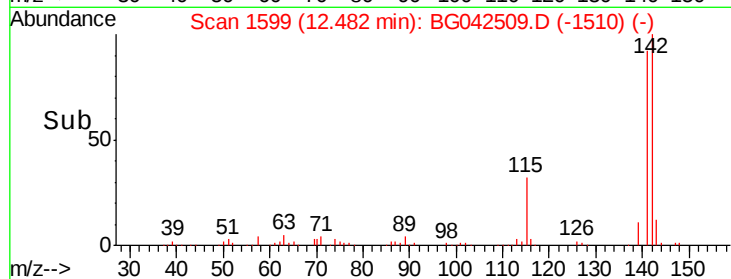
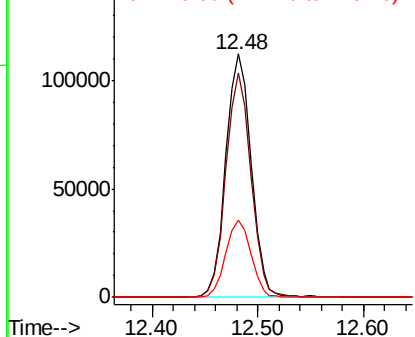
#37
2-Methylnaphthalene
Concen: 47.093 ng
RT: 12.48 min Scan# 1599
Delta R.T. -0.01 min
Lab File: BG042509.D
Acq: 27 Aug 2019 18:13

Instrument :
BNA_G
ClientSampleId :
NB-07-082619MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.4	71.4	107.2
115	31.6	25.2	37.8

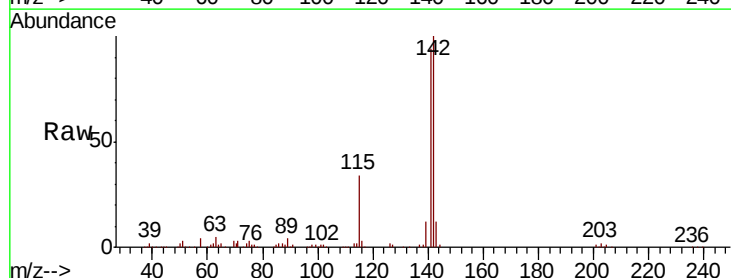


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

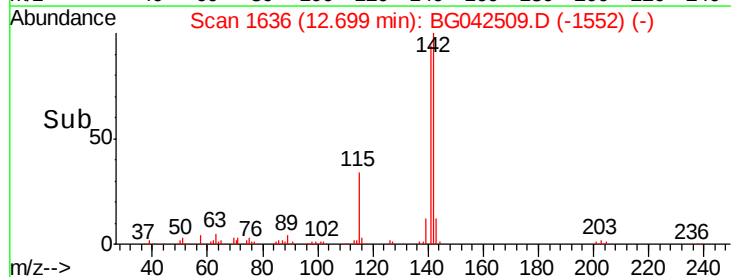
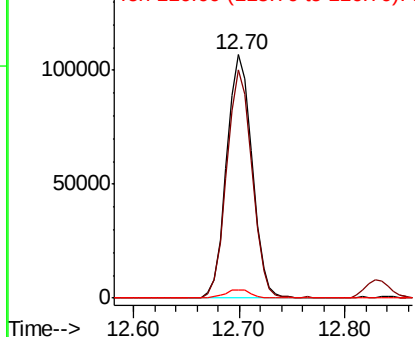


#38
1-Methylnaphthalene
Concen: 47.196 ng
RT: 12.70 min Scan# 1636
Delta R.T. -0.01 min
Lab File: BG042509.D
Acq: 27 Aug 2019 18:13

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.8	76.2	114.2
116	3.3	2.8	4.2



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.01 min

Lab File: BG042509.D

Acq: 27 Aug 2019 18:13

Instrument :

BNA_G

ClientSampleId :

NB-07-082619MSD

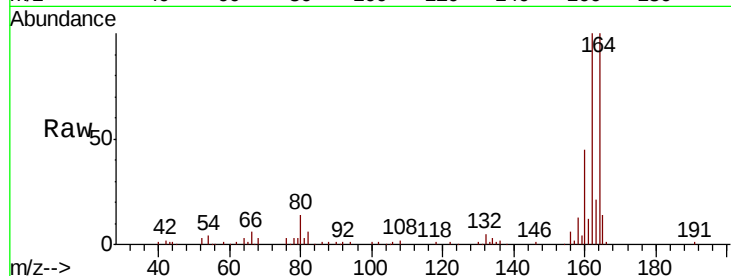
Tot Ion:164 Resp: 75711

Ion Ratio Lower Upper

164 100

162 99.9 79.9 119.9

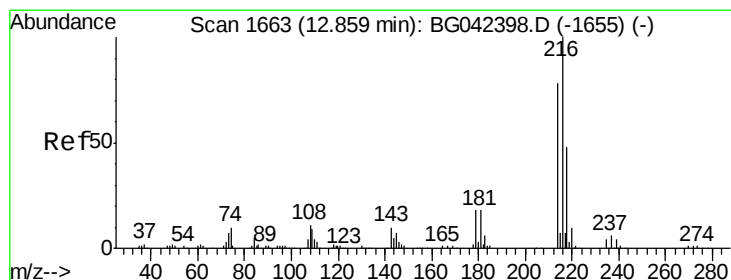
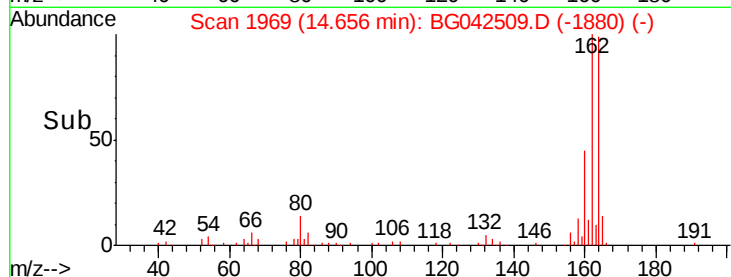
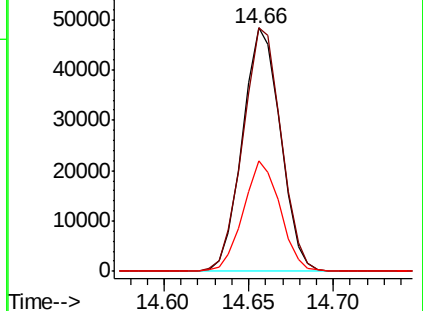
160 45.2 34.3 51.5



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: 51.267 ng

RT: 12.85 min Scan# 1662

Delta R.T. -0.01 min

Lab File: BG042509.D

Acq: 27 Aug 2019 18:13

Tgt Ion:216 Resp: 124649

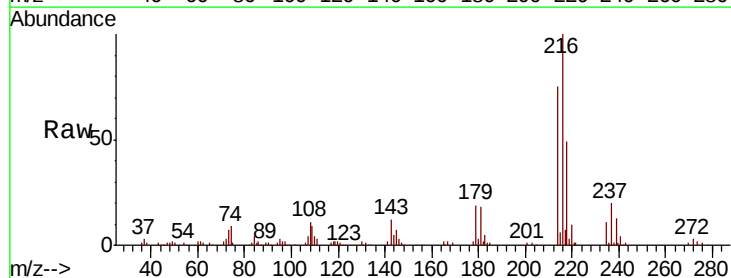
Ion Ratio Lower Upper

216 100

214 76.1 61.4 92.2

179 18.6 15.1 22.7

108 13.1 9.4 14.0

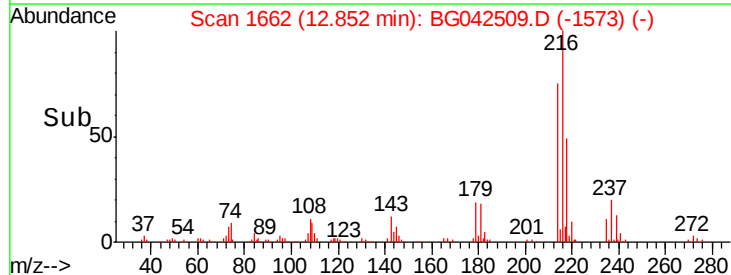
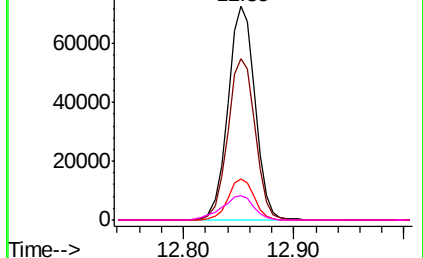


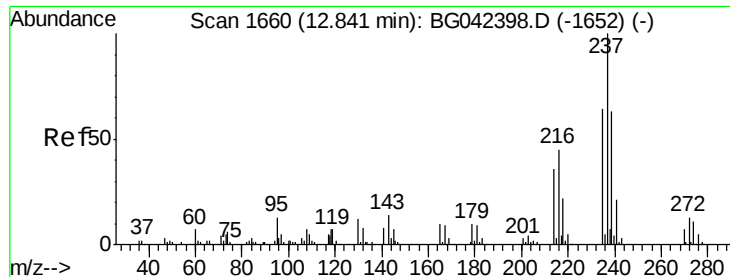
Abundance Ion 216.00 (215.70 to 216.70): E

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: 110.251 ng

RT: 12.83 min Scan# 1659

Delta R.T. -0.01 min

Lab File: BG042509.D

Acq: 27 Aug 2019 18:13

Instrument :

BNA_G

ClientSampleId :

NB-07-082619MSD

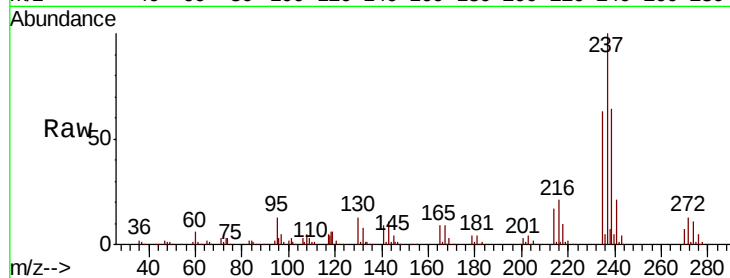
Tot Ion:237 Resp: 140808

Ion Ratio Lower Upper

237 100

235 62.9 43.7 83.7

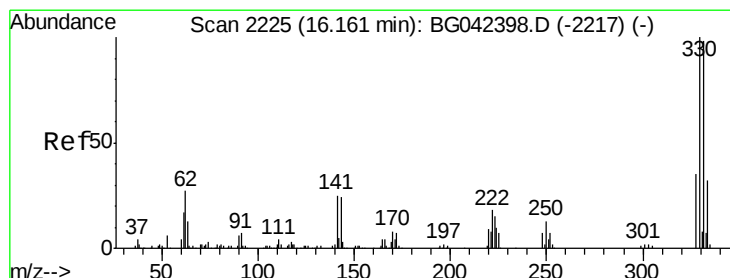
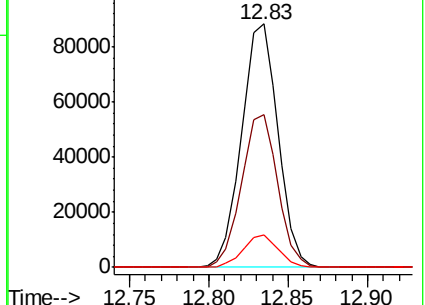
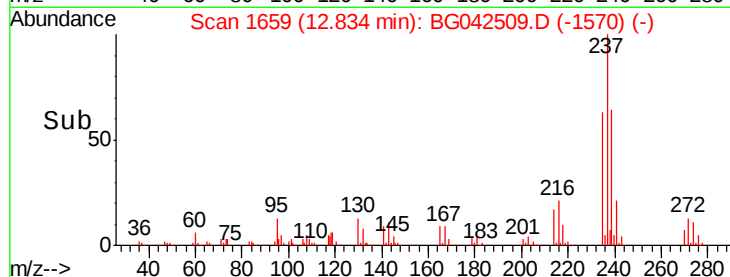
272 13.2 0.0 33.3



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: 170.867 ng

RT: 16.15 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BG042509.D

Acq: 27 Aug 2019 18:13

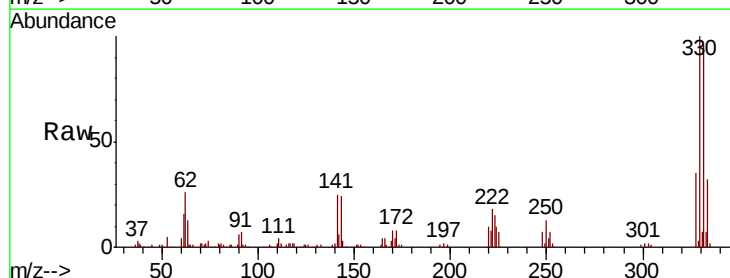
Tgt Ion:330 Resp: 183871

Ion Ratio Lower Upper

330 100

332 94.8 77.4 116.0

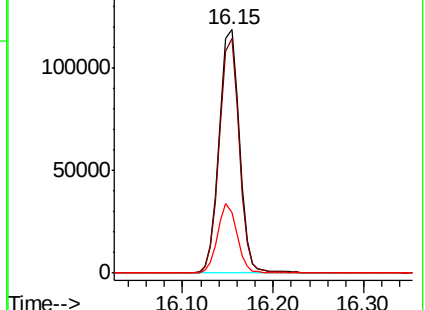
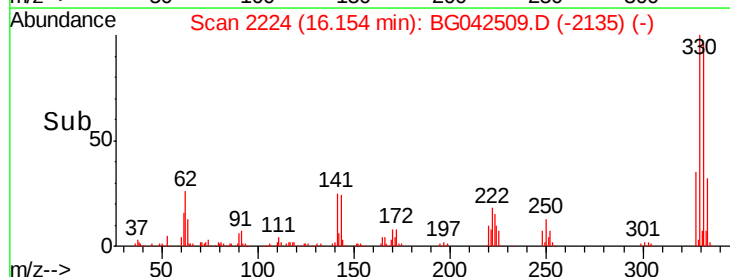
141 27.4 21.4 32.0

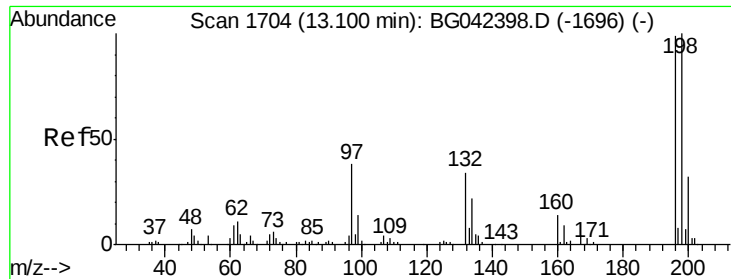


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

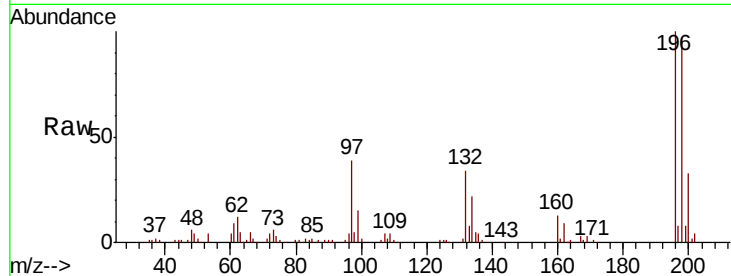




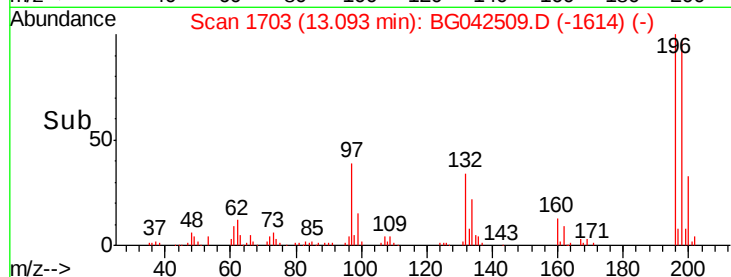
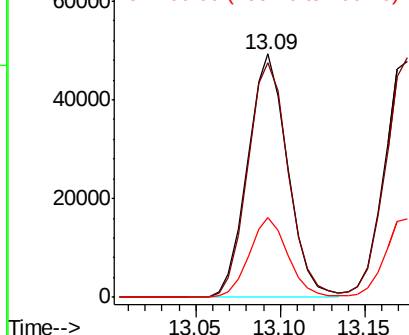
#43
 2,4,6-Trichlorophenol
 Concen: 49.386 ng
 RT: 13.09 min Scan# 1703
 Delta R.T. -0.01 min
 Lab File: BG042509.D
 Acq: 27 Aug 2019 18:13

Instrument :
 BNA_G
 ClientSampleId :
 NB-07-082619MSD

Tot Ion:196 Resp: 81162
 Ion Ratio Lower Upper
 196 100
 198 96.6 80.7 121.1
 200 32.6 25.7 38.5

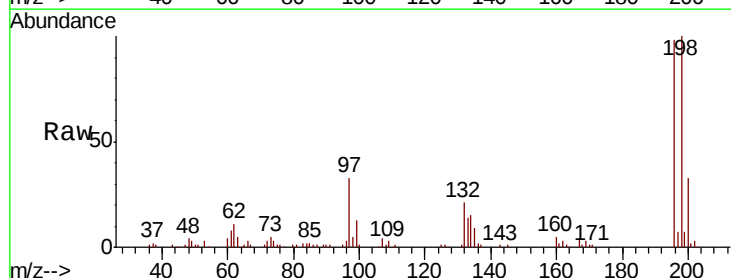


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

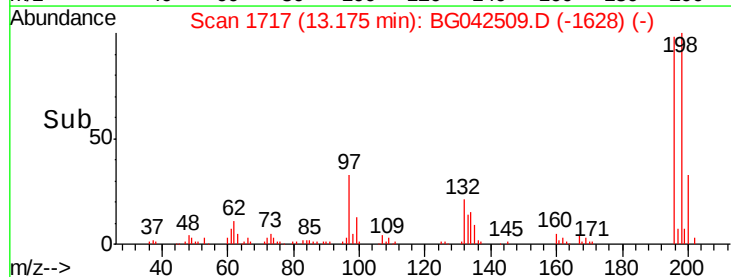
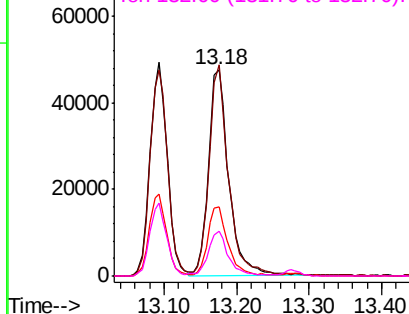


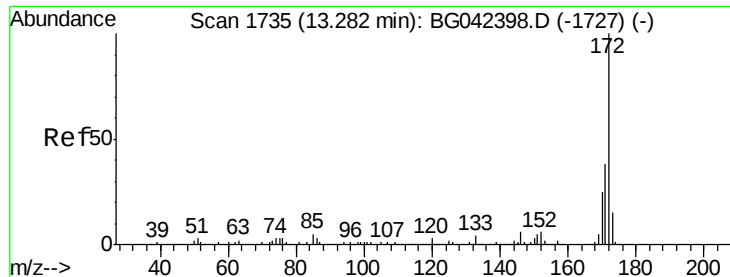
#44
 2,4,5-Trichlorophenol
 Concen: 54.560 ng
 RT: 13.18 min Scan# 1717
 Delta R.T. -0.01 min
 Lab File: BG042509.D
 Acq: 27 Aug 2019 18:13

Tgt Ion:196 Resp: 92920
 Ion Ratio Lower Upper
 196 100
 198 102.0 80.2 120.4
 97 33.6 26.3 39.5
 132 21.8 16.6 24.8



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

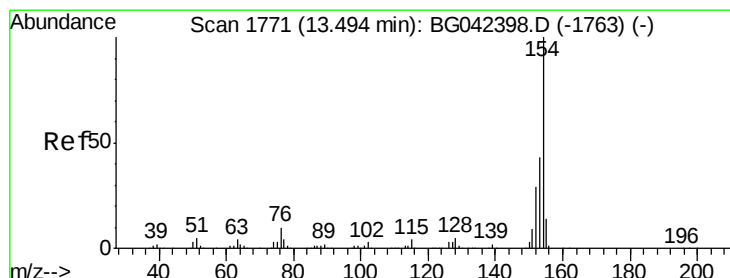
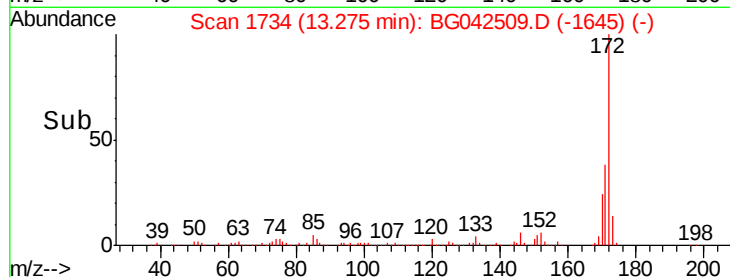
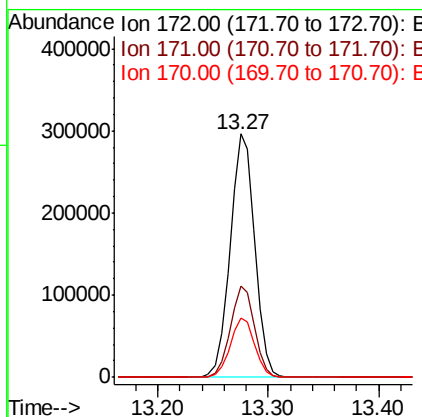
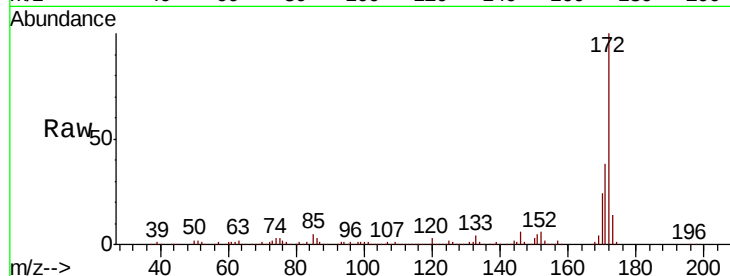




#45
 2-Fluorobiphenyl
 Concen: 102.912 ng
 RT: 13.27 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: BG042509.D
 Acq: 27 Aug 2019 18:13

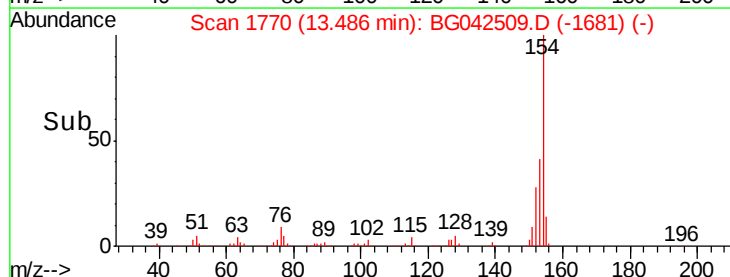
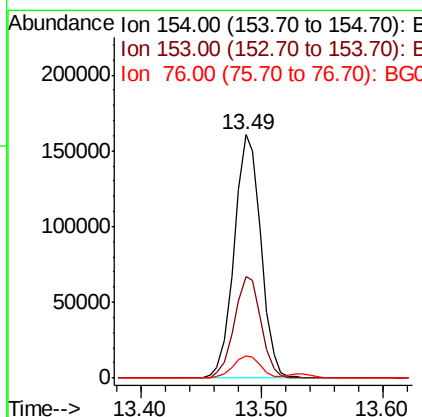
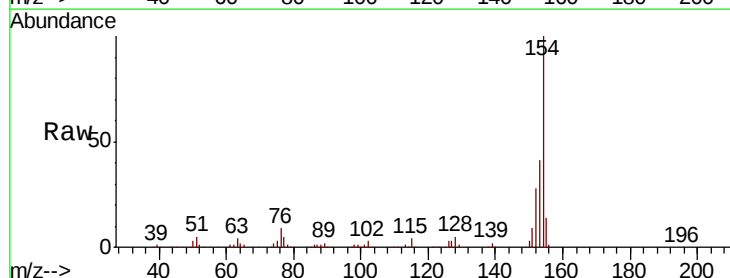
Instrument :
 BNA_G
 ClientSampleId :
 NB-07-082619MSD

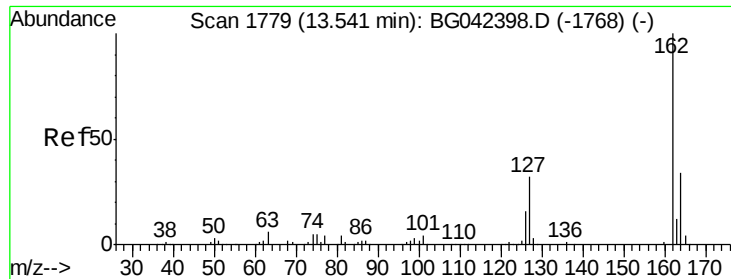
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.6	30.5	45.7
170	24.4	20.2	30.2



#46
 1,1'-Biphenyl
 Concen: 50.441 ng
 RT: 13.49 min Scan# 1770
 Delta R.T. -0.01 min
 Lab File: BG042509.D
 Acq: 27 Aug 2019 18:13

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.5	23.0	63.0
76	9.1	0.0	29.6

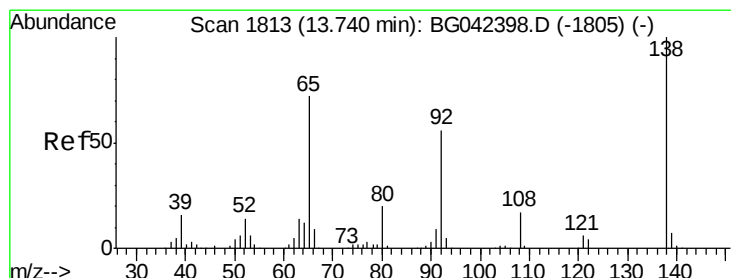
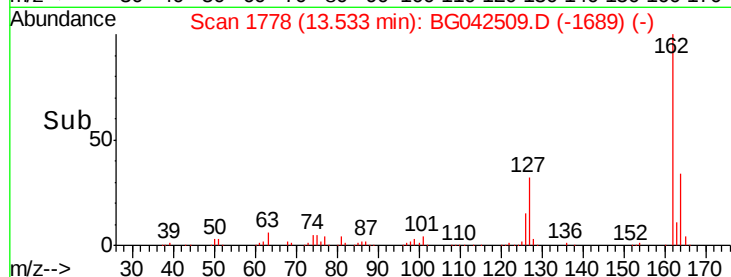
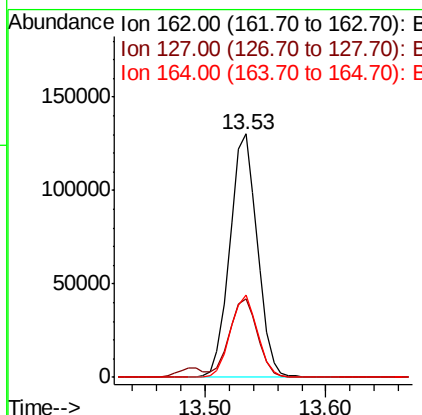
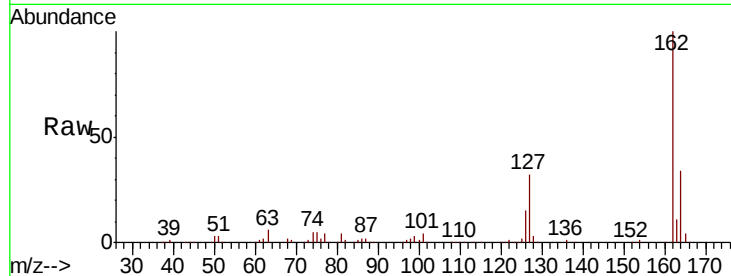




#47
2-Chloronaphthalene
Concen: 48.864 ng
RT: 13.53 min Scan# 1778
Delta R.T. -0.01 min
Lab File: BG042509.D
Acq: 27 Aug 2019 18:13

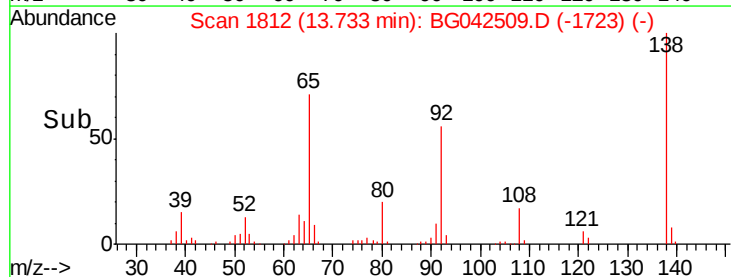
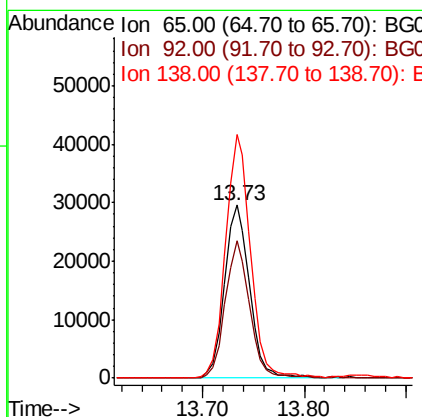
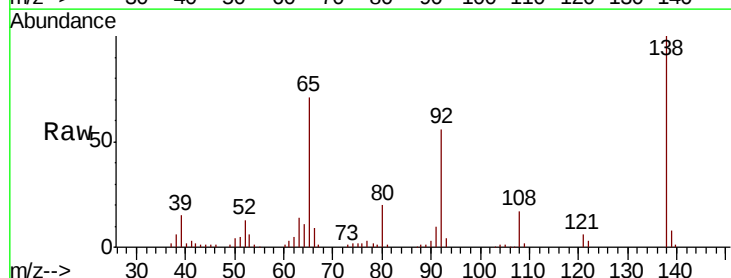
Instrument :
BNA_G
ClientSampleId :
NB-07-082619MSD

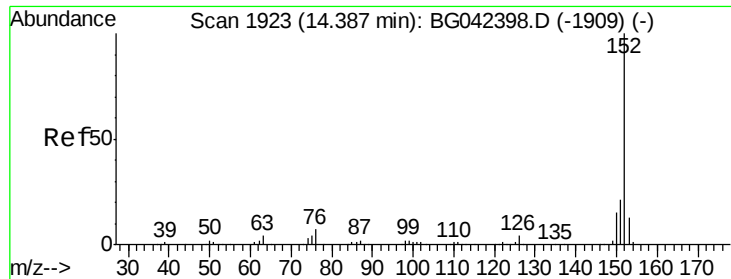
Tot Ion:162 Resp: 206203
Ion Ratio Lower Upper
162 100
127 32.3 26.0 39.0
164 34.1 27.4 41.0



#48
2-Nitroaniline
Concen: 49.619 ng
RT: 13.73 min Scan# 1812
Delta R.T. -0.01 min
Lab File: BG042509.D
Acq: 27 Aug 2019 18:13

Tgt Ion: 65 Resp: 50493
Ion Ratio Lower Upper
65 100
92 79.5 61.8 92.6
138 140.9 111.0 166.6





#49

Acenaphthylene

Concen: 52.847 ng

RT: 14.38 min Scan# 1922

Delta R.T. -0.01 min

Lab File: BG042509.D

Acq: 27 Aug 2019 18:13

Instrument :

BNA_G

ClientSampleId :

NB-07-082619MSD

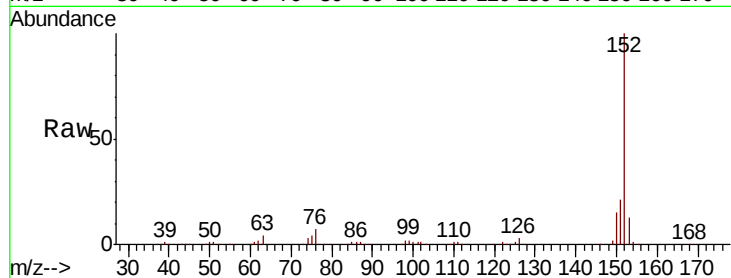
Tot Ion:152 Resp: 335509

Ion Ratio Lower Upper

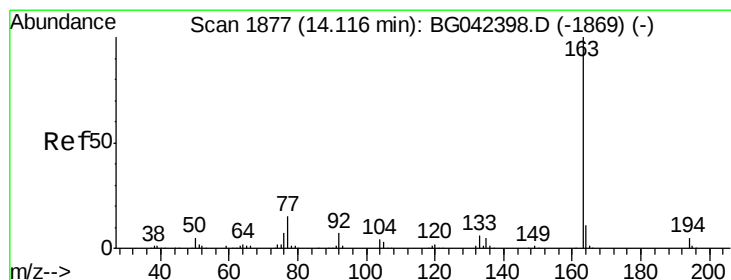
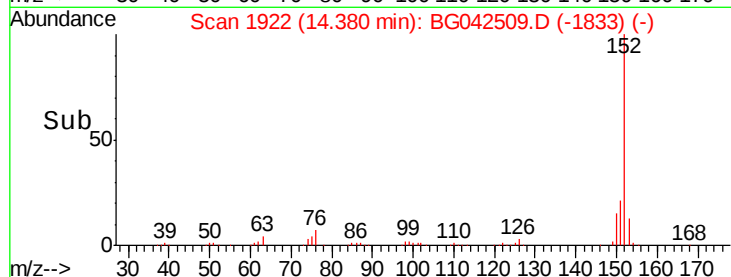
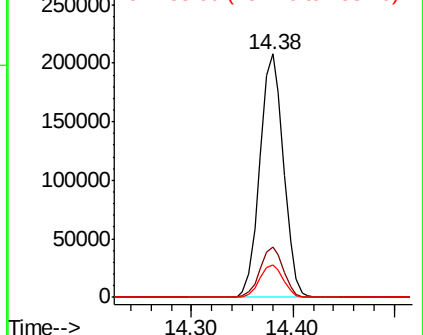
152 100

151 20.5 17.0 25.4

153 13.4 10.6 16.0



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: 51.154 ng

RT: 14.11 min Scan# 1876

Delta R.T. -0.01 min

Lab File: BG042509.D

Acq: 27 Aug 2019 18:13

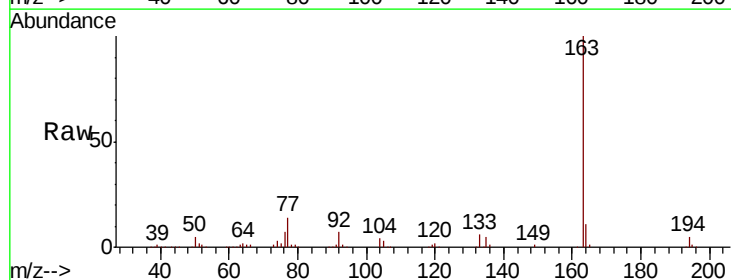
Tgt Ion:163 Resp: 279443

Ion Ratio Lower Upper

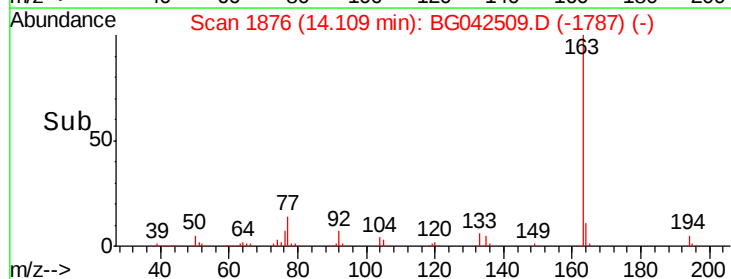
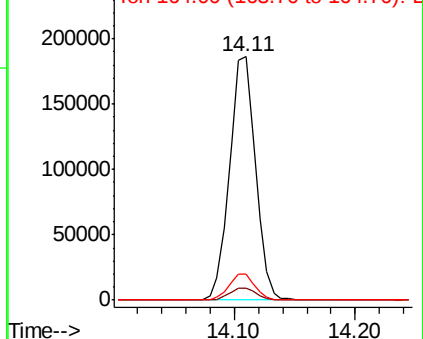
163 100

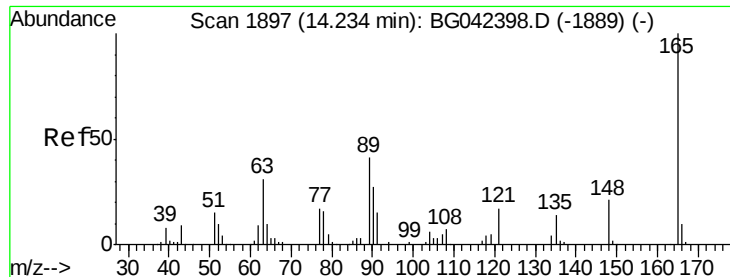
194 4.8 4.2 6.2

164 10.9 8.8 13.2



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

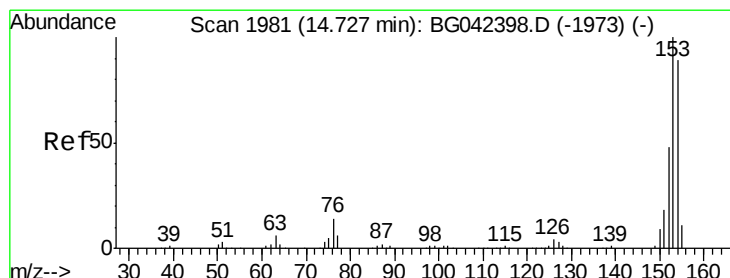
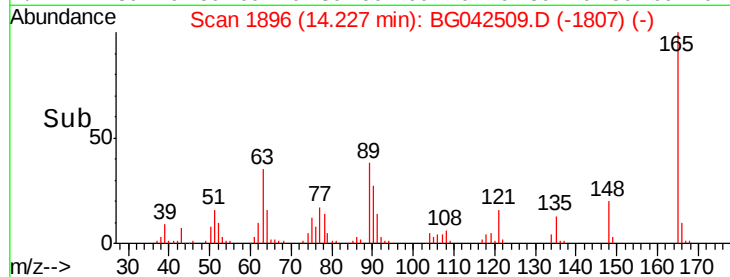
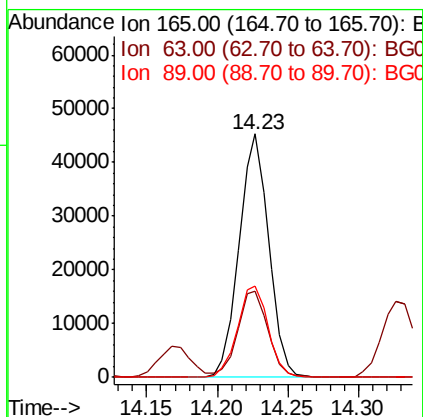
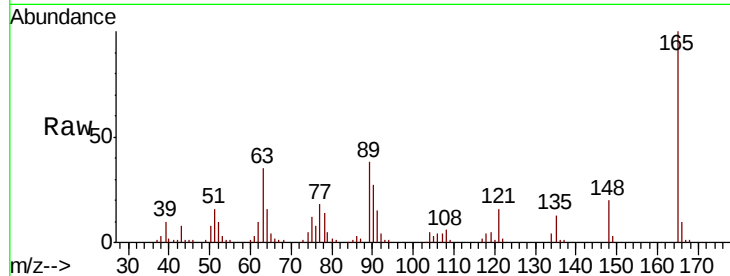




#51
 2,6-Dinitrotoluene
 Concen: 52.540 ng
 RT: 14.23 min Scan# 1896
 Delta R.T. -0.01 min
 Lab File: BG042509.D
 Acq: 27 Aug 2019 18:13

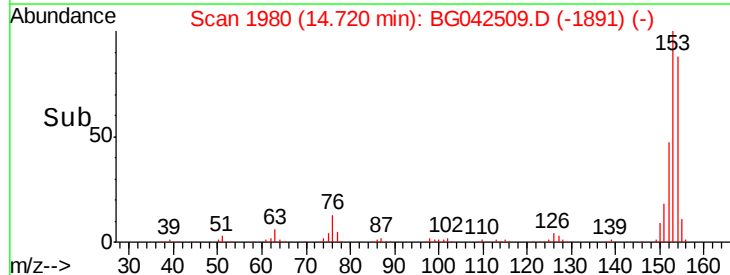
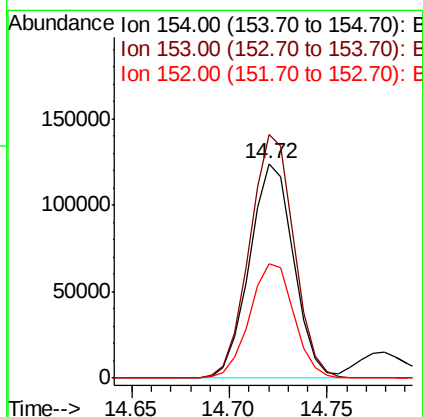
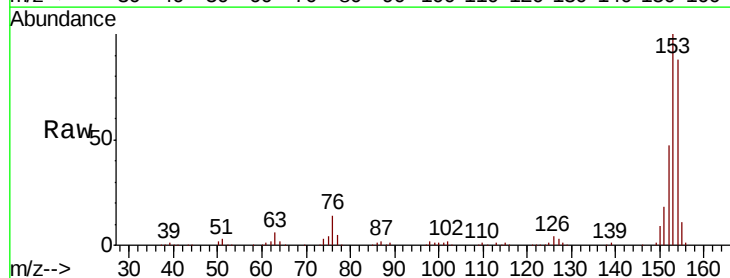
Instrument :
 BNA_G
 ClientSampleId :
 NB-07-082619MSD

Tot Ion:165 Resp: 66528
 Ion Ratio Lower Upper
 165 100
 63 35.4 30.6 45.8
 89 37.6 32.6 49.0



#52
 Acenaphthene
 Concen: 50.425 ng
 RT: 14.72 min Scan# 1980
 Delta R.T. -0.01 min
 Lab File: BG042509.D
 Acq: 27 Aug 2019 18:13

Tgt Ion:154 Resp: 194391
 Ion Ratio Lower Upper
 154 100
 153 113.4 90.2 135.4
 152 53.2 43.2 64.8





#53

3-Nitroaniline

Concen: 19.067 ng

RT: 14.56 min Scan# 1953

Delta R.T. -0.01 min

Lab File: BG042509.D

Acq: 27 Aug 2019 18:13

Instrument :

BNA_G

ClientSampleId :

NB-07-082619MSD

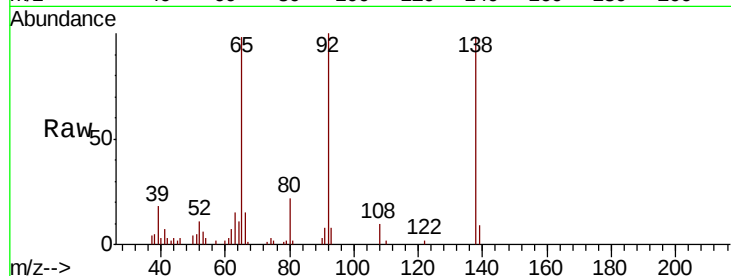
Tot Ion:138 Resp: 24146

Ion Ratio Lower Upper

138 100

108 10.5 8.3 12.5

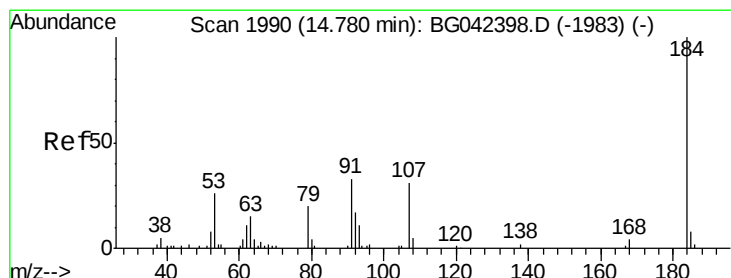
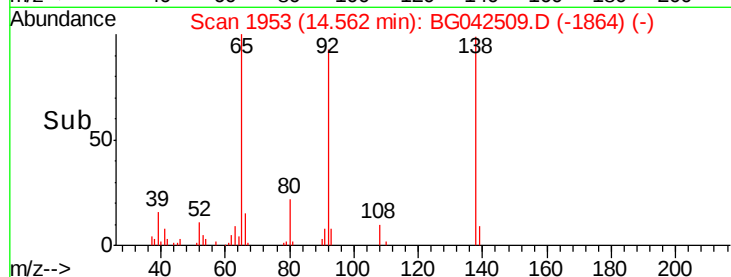
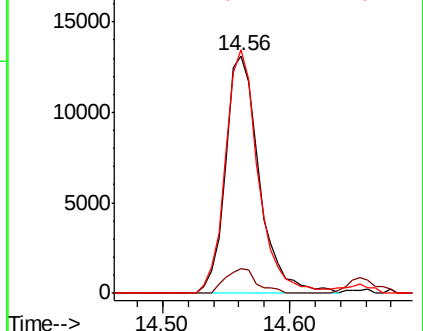
92 102.4 78.2 117.4



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: 75.754 ng

RT: 14.77 min Scan# 1989

Delta R.T. -0.01 min

Lab File: BG042509.D

Acq: 27 Aug 2019 18:13

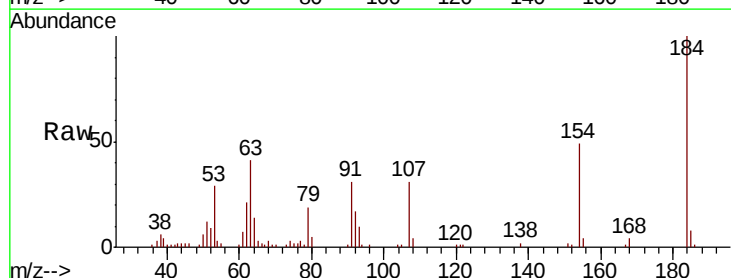
Tgt Ion:184 Resp: 64353

Ion Ratio Lower Upper

184 100

63 40.6 31.7 47.5

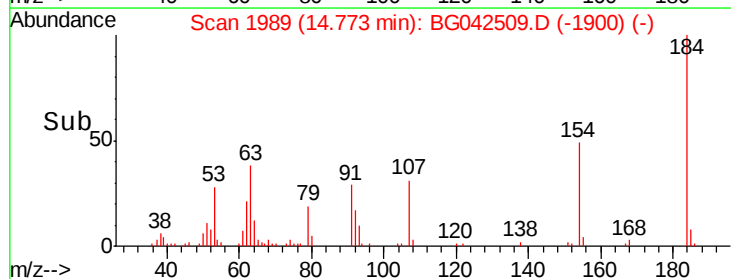
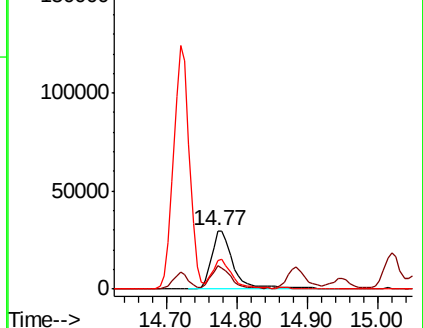
154 48.7 42.0 63.0



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

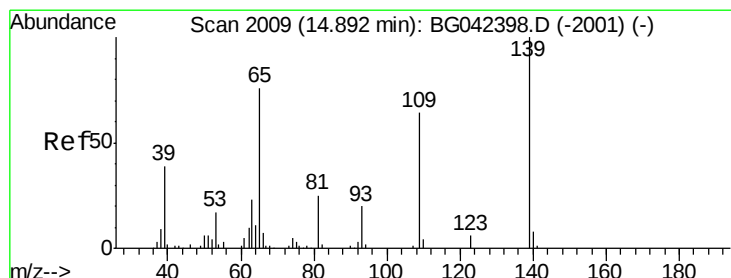
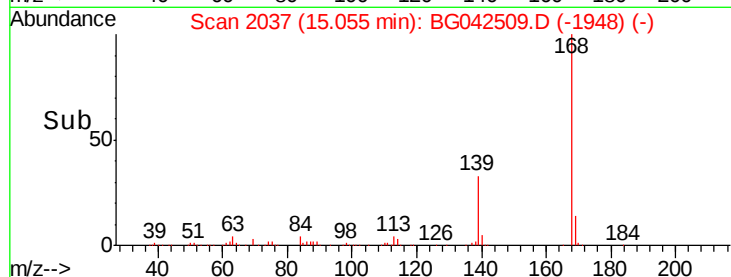
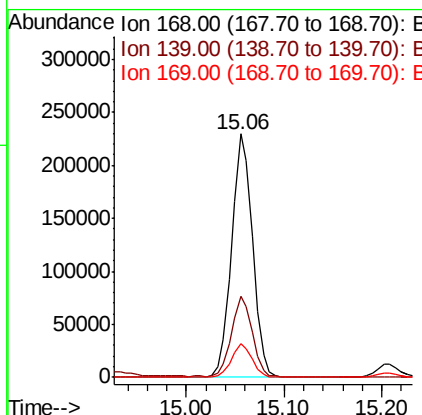
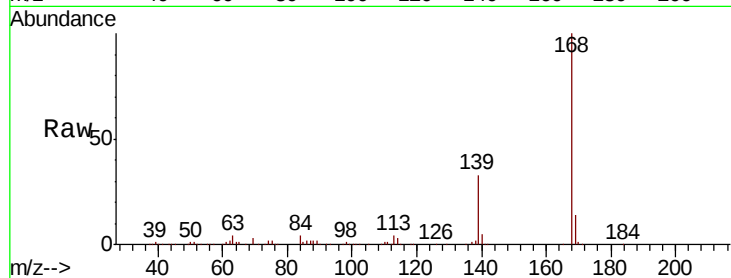




#55
Dibenzofuran
Concen: 53.443 ng
RT: 15.06 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BG042509.D
Acq: 27 Aug 2019 18:13

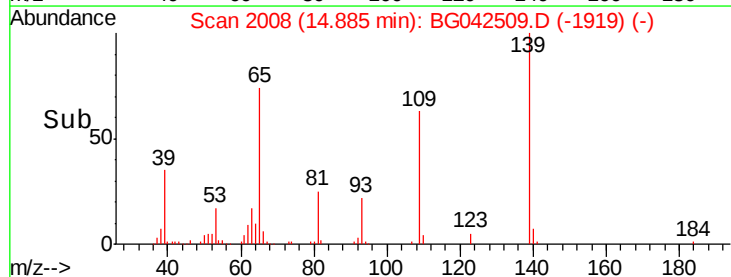
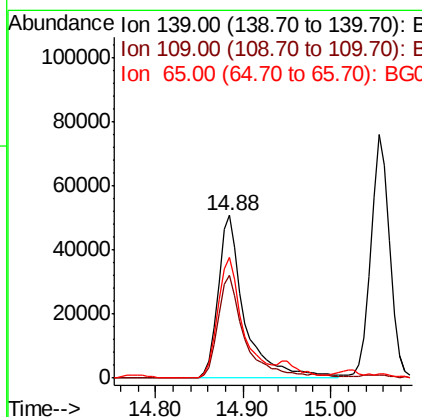
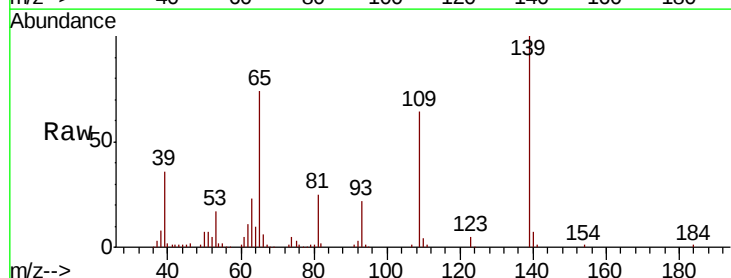
Instrument :
BNA_G
ClientSampleId :
NB-07-082619MSD

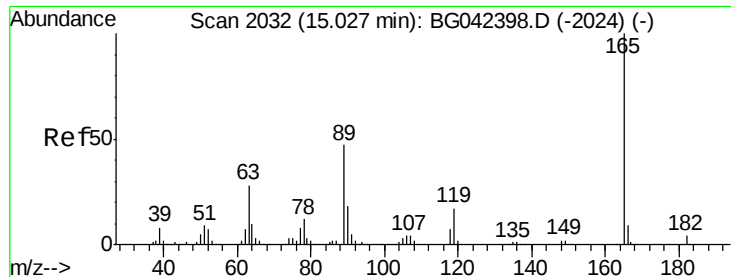
Tot Ion:168 Resp: 341031
Ion Ratio Lower Upper
168 100
139 33.1 27.2 40.8
169 14.0 11.5 17.3



#56
4-Nitrophenol
Concen: 117.413 ng
RT: 14.88 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BG042509.D
Acq: 27 Aug 2019 18:13

Tgt Ion:139 Resp: 105654
Ion Ratio Lower Upper
139 100
109 63.6 43.9 83.9
65 74.0 56.3 96.3

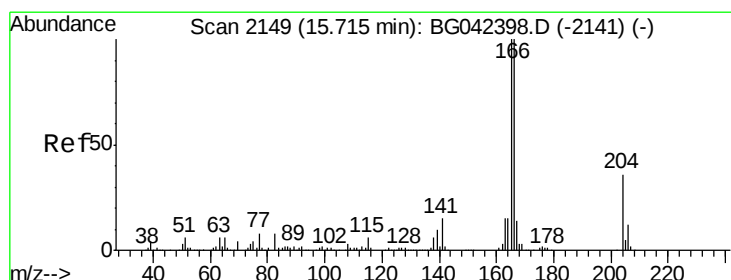
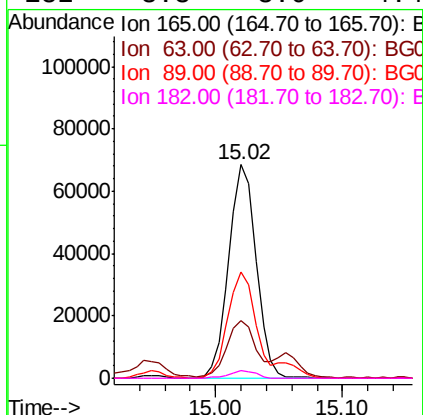
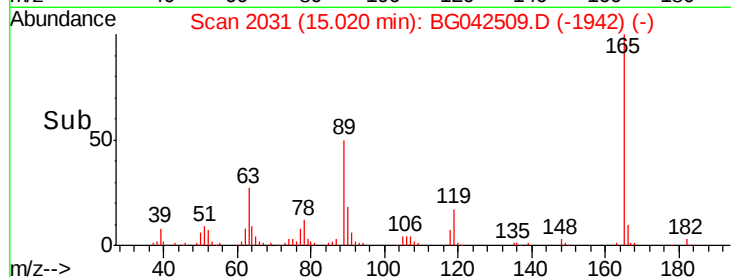
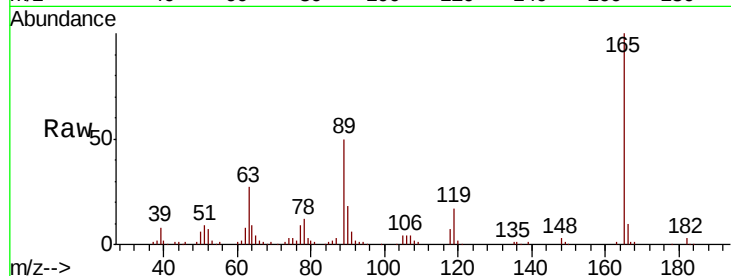




#57
2,4-Dinitrotoluene
Concen: 56.617 ng
RT: 15.02 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BG042509.D
Acq: 27 Aug 2019 18:13

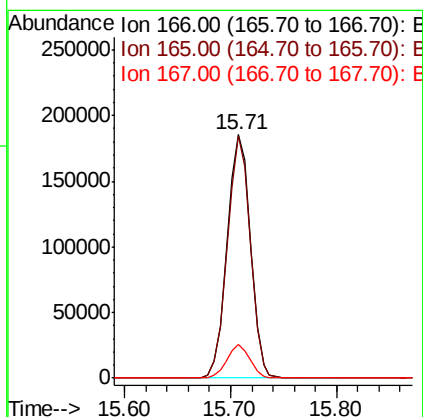
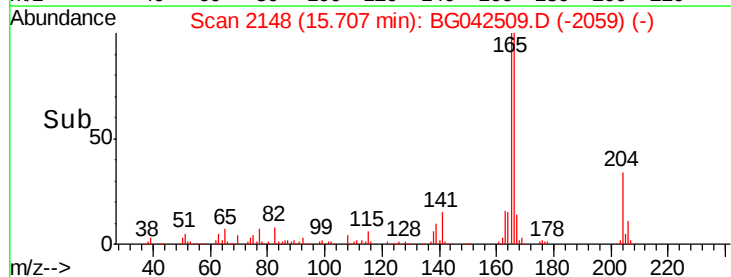
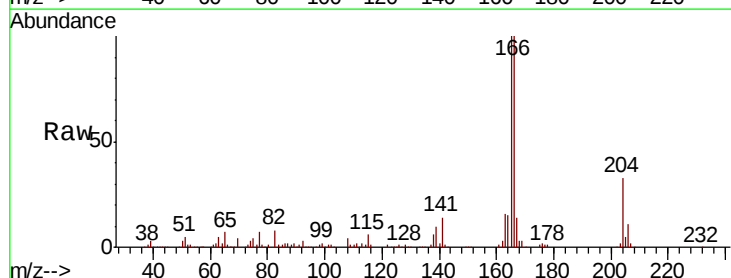
Instrument :
BNA_G
ClientSampleId :
NB-07-082619MSD

Tot Ion:	165	Resp:	102659
Ion	Ratio	Lower	Upper
165	100		
63	27.2	22.5	33.7
89	50.0	37.8	56.6
182	3.3	3.0	4.4



#58
Fluorene
Concen: 53.927 ng
RT: 15.71 min Scan# 2148
Delta R.T. -0.01 min
Lab File: BG042509.D
Acq: 27 Aug 2019 18:13

Tgt Ion:	166	Resp:	281301
Ion	Ratio	Lower	Upper
166	100		
165	99.6	79.7	119.5
167	13.8	10.9	16.3

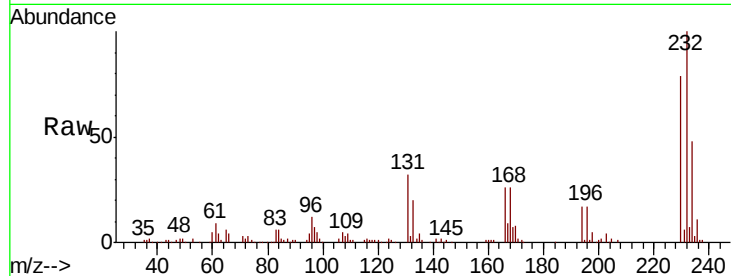




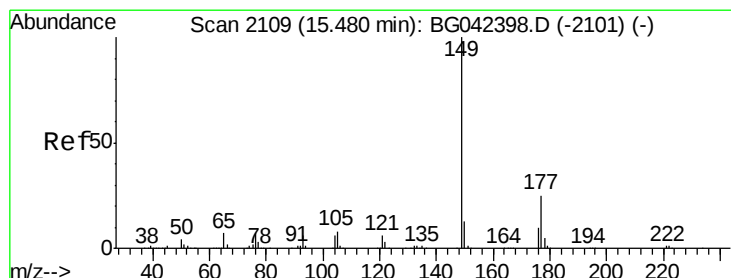
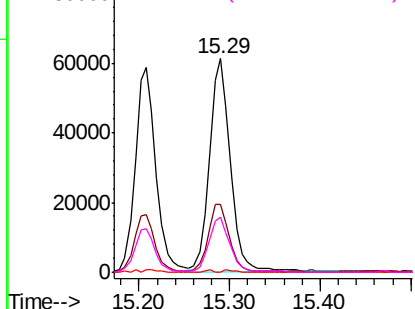
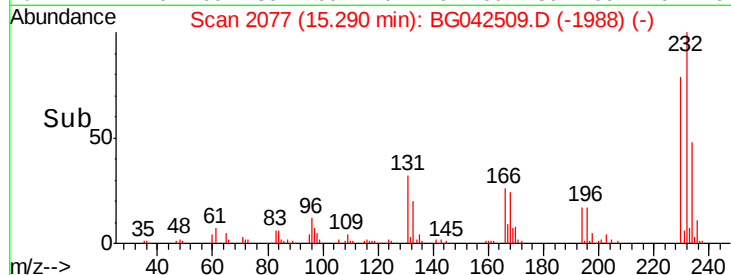
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 58.082 ng
 RT: 15.29 min Scan# 2077
 Delta R.T. -0.01 min
 Lab File: BG042509.D
 Acq: 27 Aug 2019 18:13

Instrument :
 BNA_G
 ClientSampleId :
 NB-07-082619MSD

Tot Ion:	232	Resp:	97822
Ion	Ratio	Lower	Upper
232	100		
131	32.0	22.9	34.3
130	0.6	1.4	2.0#
166	26.2	17.0	25.4#

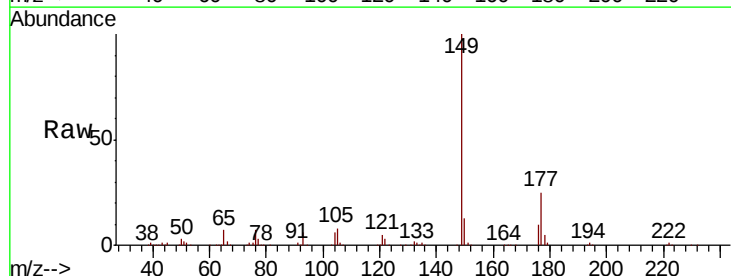


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

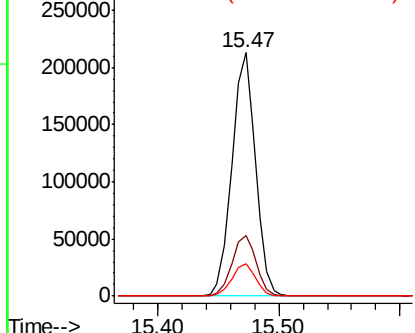
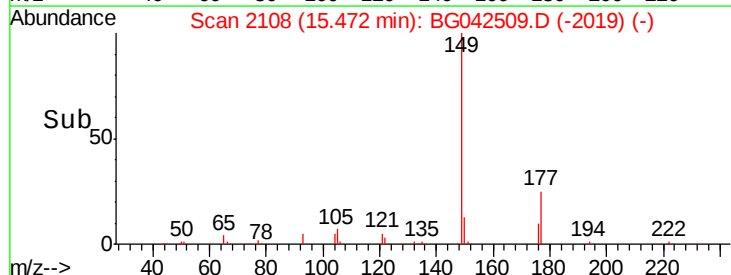


#60
 Diethylphthalate
 Concen: 53.962 ng
 RT: 15.47 min Scan# 2108
 Delta R.T. -0.01 min
 Lab File: BG042509.D
 Acq: 27 Aug 2019 18:13

Tgt Ion:	149	Resp:	288166
Ion	Ratio	Lower	Upper
149	100		
177	25.1	20.4	30.6
150	13.1	10.3	15.5



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

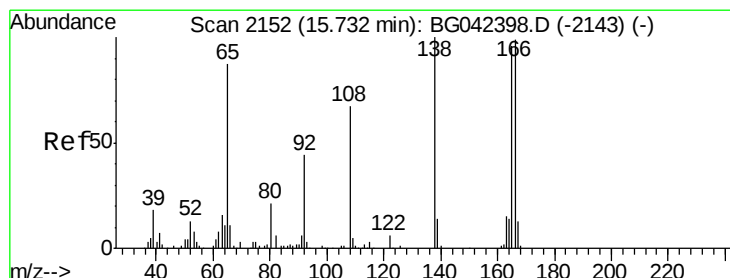
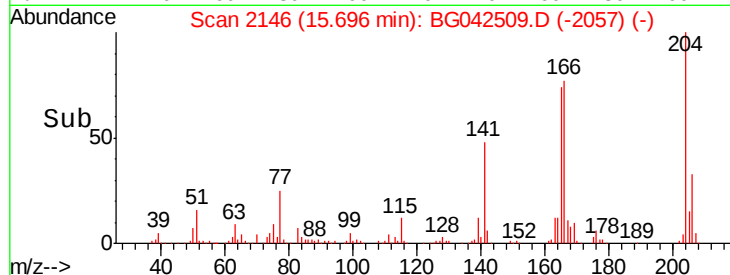
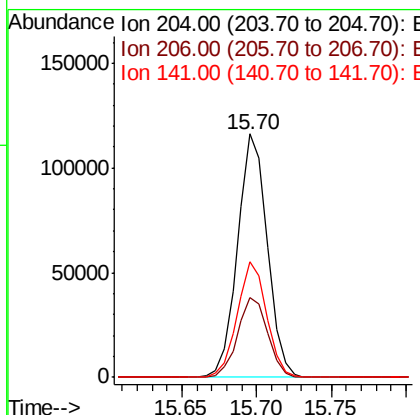
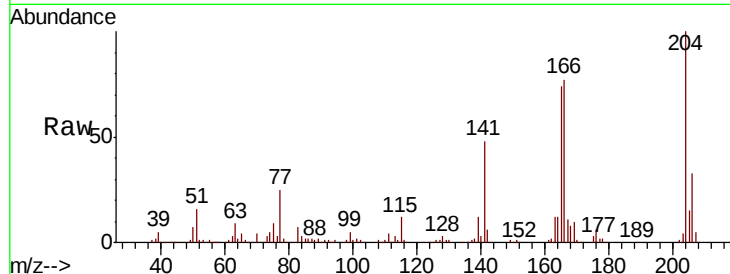




#61
 4-Chlorophenyl-phenylether
 Concen: 50.971 ng
 RT: 15.70 min Scan# 2146
 Delta R.T. -0.01 min
 Lab File: BG042509.D
 Acq: 27 Aug 2019 18:13

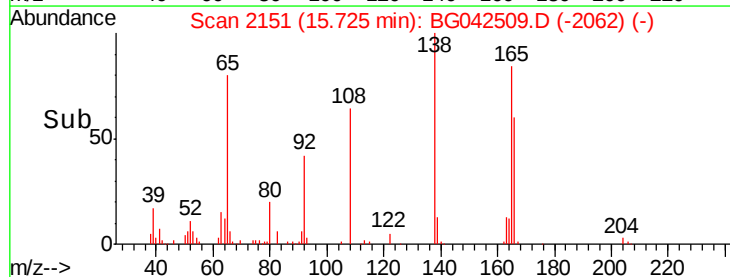
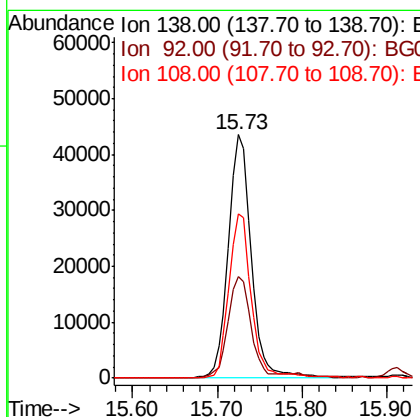
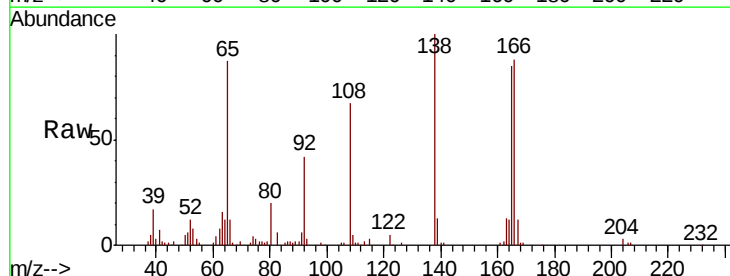
Instrument :
 BNA_G
 ClientSampleId :
 NB-07-082619MSD

Tot Ion:204 Resp: 160277
 Ion Ratio Lower Upper
 204 100
 206 32.9 27.2 40.8
 141 47.6 38.7 58.1



#62
 4-Nitroaniline
 Concen: 60.223 ng
 RT: 15.73 min Scan# 2151
 Delta R.T. -0.01 min
 Lab File: BG042509.D
 Acq: 27 Aug 2019 18:13

Tgt Ion:138 Resp: 81622
 Ion Ratio Lower Upper
 138 100
 92 41.7 24.2 64.2
 108 67.5 46.8 86.8





#63

Azobenzene

Concen: 53.662 ng

RT: 15.99 min Scan# 2196

Delta R.T. -0.01 min

Lab File: BG042509.D

Acq: 27 Aug 2019 18:13

Instrument :

BNA_G

ClientSampleId :

NB-07-082619MSD

Tot Ion: 77 Resp: 196364

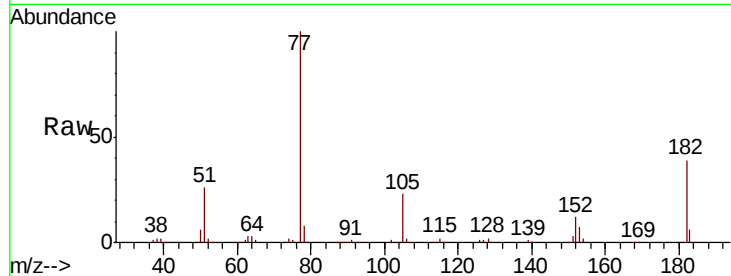
Ion Ratio Lower Upper

77 100

182 38.8 19.9 59.9

105 22.6 2.9 42.9

51 26.1 7.6 47.6

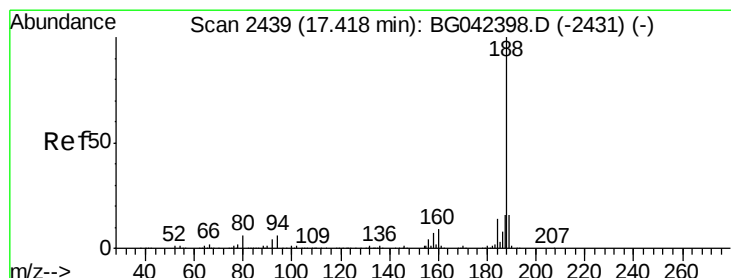
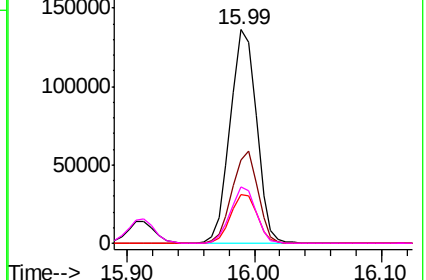
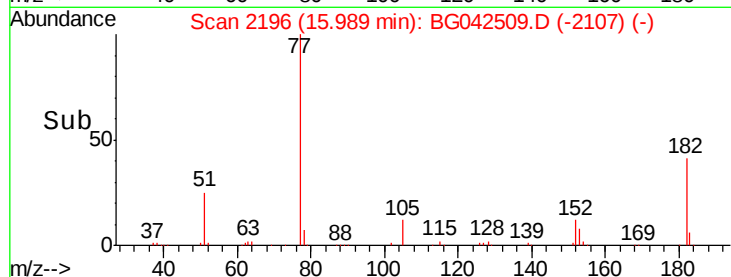


Abundance Ion 77.00 (76.70 to 77.70): BGC

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: 17.41 min Scan# 2438

Delta R.T. -0.01 min

Lab File: BG042509.D

Acq: 27 Aug 2019 18:13

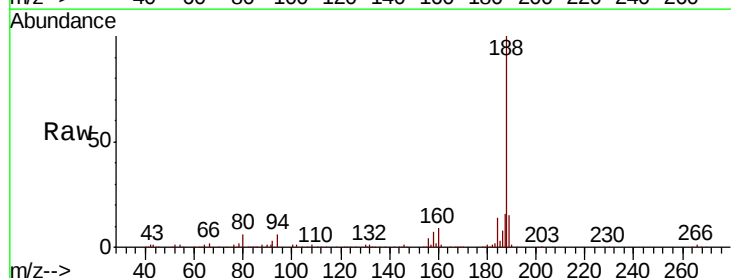
Tgt Ion: 188 Resp: 212748

Ion Ratio Lower Upper

188 100

94 5.8 4.5 6.7

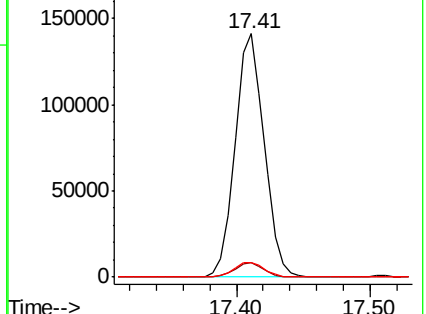
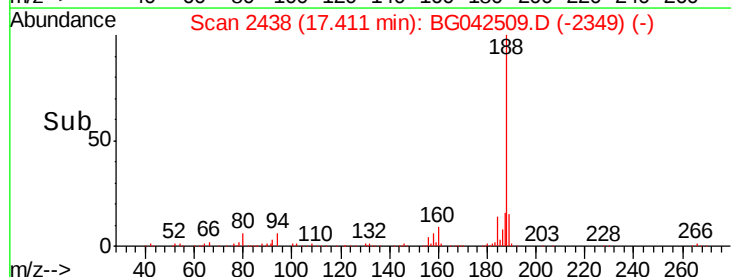
80 5.8 4.9 7.3



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: 49.355 ng

RT: 15.80 min Scan# 2163

Delta R.T. -0.00 min

Lab File: BG042509.D

Acq: 27 Aug 2019 18:13

Instrument :

BNA_G

ClientSampleId :

NB-07-082619MSD

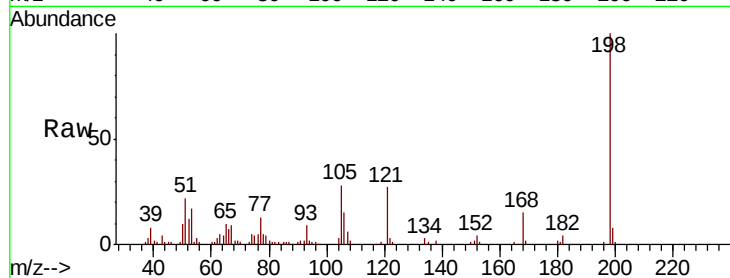
Tot Ion:198 Resp: 65831

Ion Ratio Lower Upper

198 100

51 21.8 4.2 44.2

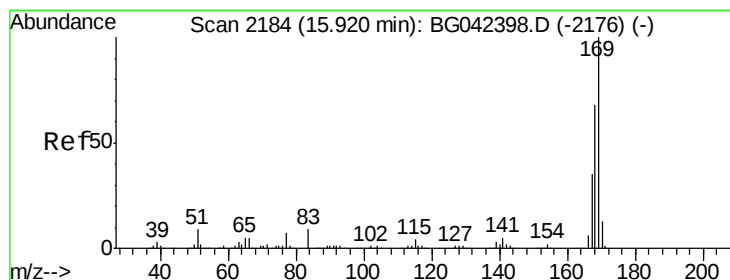
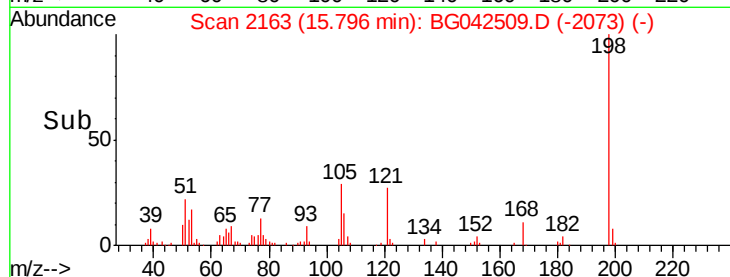
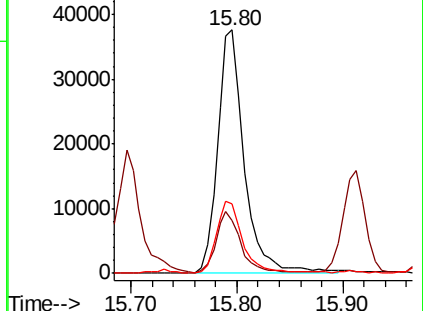
105 28.3 8.8 48.8



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: 46.089 ng

RT: 15.91 min Scan# 2183

Delta R.T. -0.01 min

Lab File: BG042509.D

Acq: 27 Aug 2019 18:13

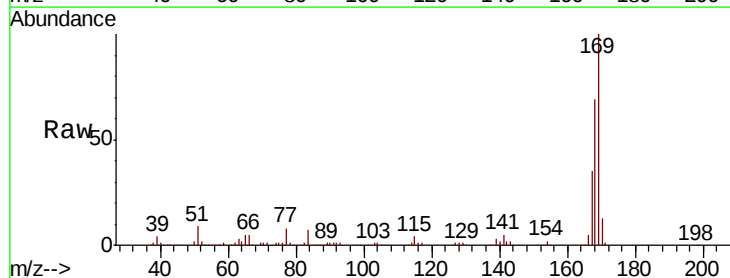
Tgt Ion:169 Resp: 269657

Ion Ratio Lower Upper

169 100

168 69.0 54.3 81.5

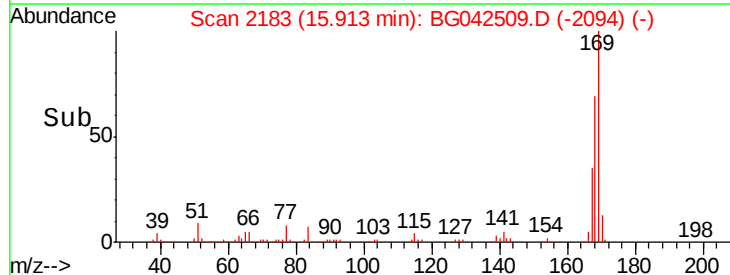
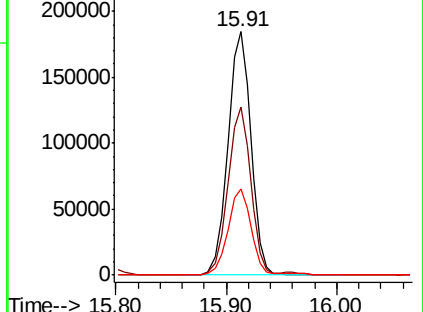
167 35.4 28.2 42.2



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

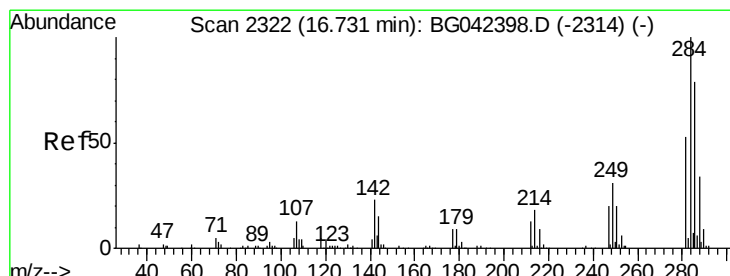
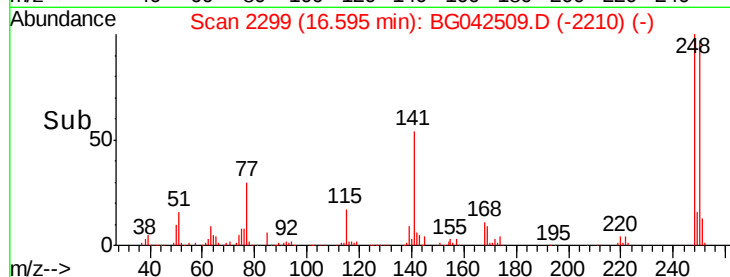
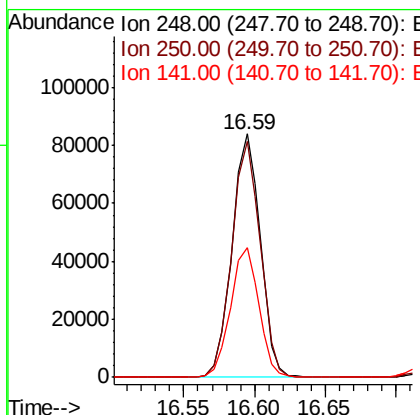
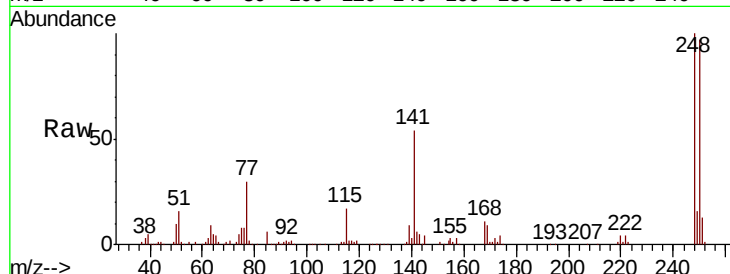




#67
 4-Bromophenyl-phenylether
 Concen: 43.387 ng
 RT: 16.59 min Scan# 2299
 Delta R.T. -0.01 min
 Lab File: BG042509.D
 Acq: 27 Aug 2019 18:13

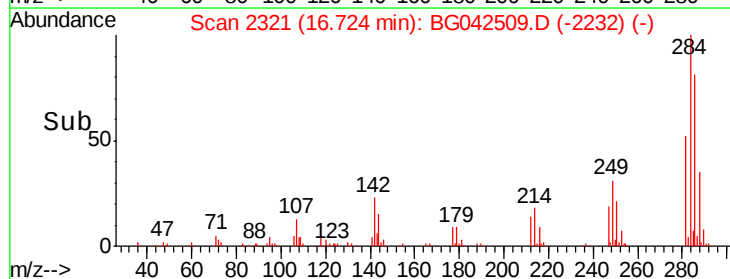
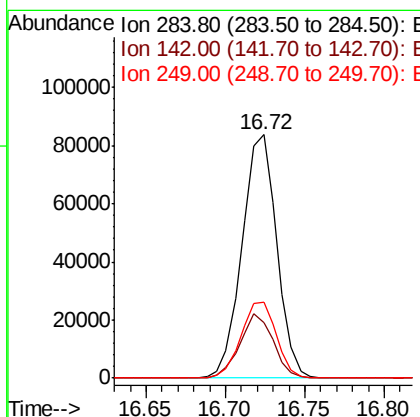
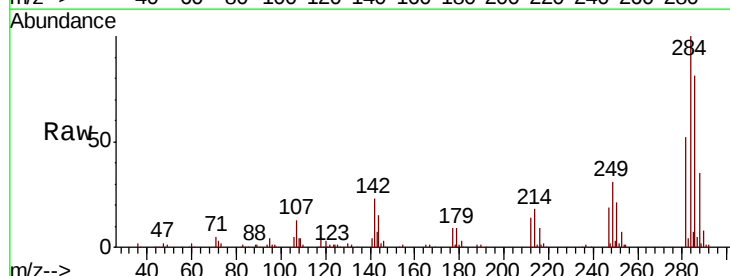
Instrument :
 BNA_G
 ClientSampleId :
 NB-07-082619MSD

Tot Ion:248 Resp: 117083
 Ion Ratio Lower Upper
 248 100
 250 96.9 78.9 118.3
 141 53.5 43.3 64.9



#68
 Hexachlorobenzene
 Concen: 43.343 ng
 RT: 16.72 min Scan# 2321
 Delta R.T. -0.01 min
 Lab File: BG042509.D
 Acq: 27 Aug 2019 18:13

Tgt Ion:284 Resp: 127150
 Ion Ratio Lower Upper
 284 100
 142 22.6 18.2 27.4
 249 31.0 25.0 37.4





#69

Atrazine

Concen: 60.053 ng

RT: 16.86 min Scan# 2344

Delta R.T. -0.01 min

Lab File: BG042509.D

Acq: 27 Aug 2019 18:13

Instrument :

BNA_G

ClientSampleId :

NB-07-082619MSD

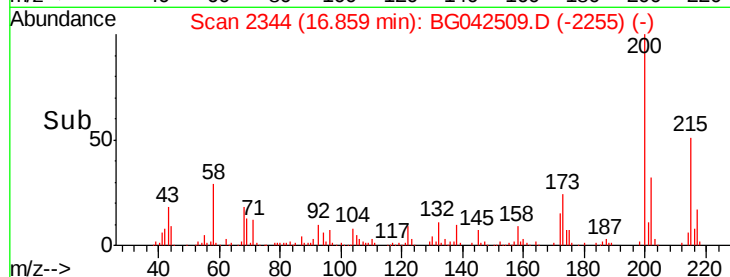
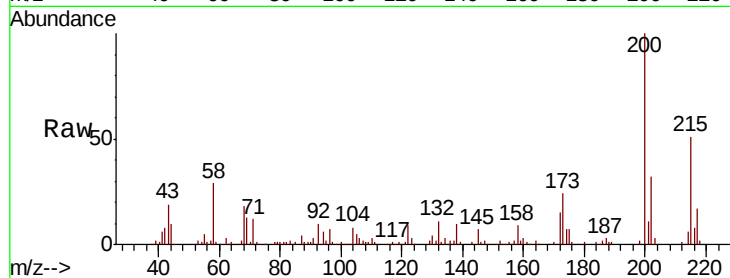
Tot Ion:200 Resp: 124249

Ion Ratio Lower Upper

200 100

173 24.3 4.9 44.9

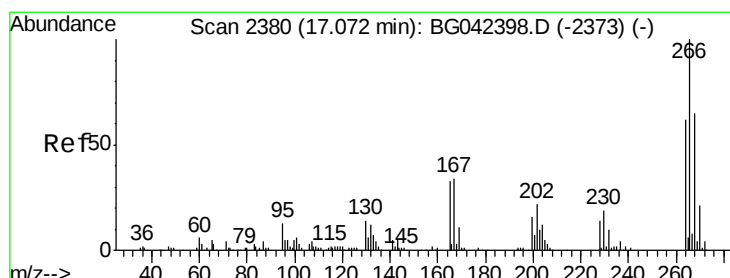
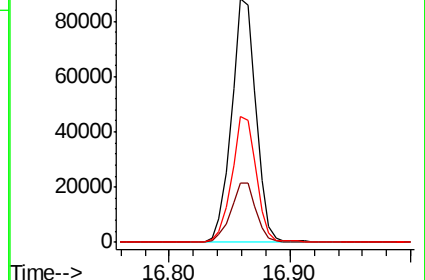
215 51.4 30.7 70.7



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 88.408 ng

RT: 17.07 min Scan# 2380

Delta R.T. -0.00 min

Lab File: BG042509.D

Acq: 27 Aug 2019 18:13

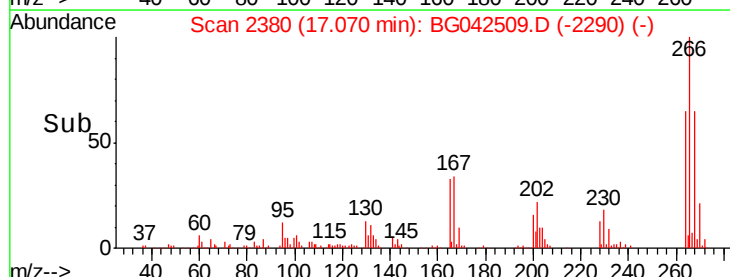
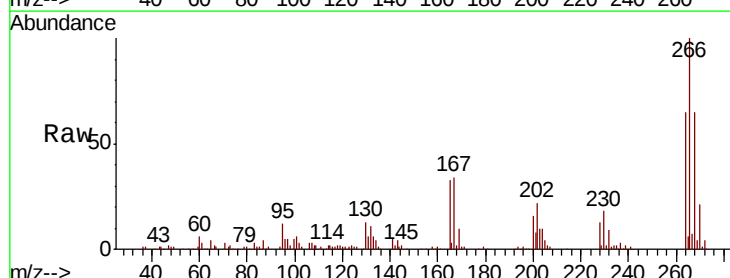
Tgt Ion:266 Resp: 134753

Ion Ratio Lower Upper

266 100

268 65.3 52.1 78.1

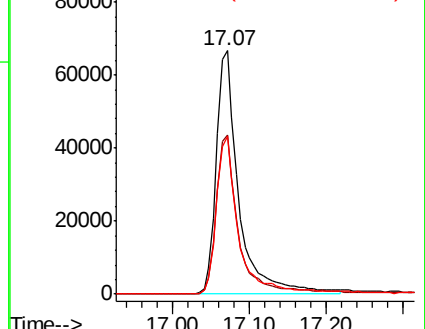
264 64.8 49.4 74.2

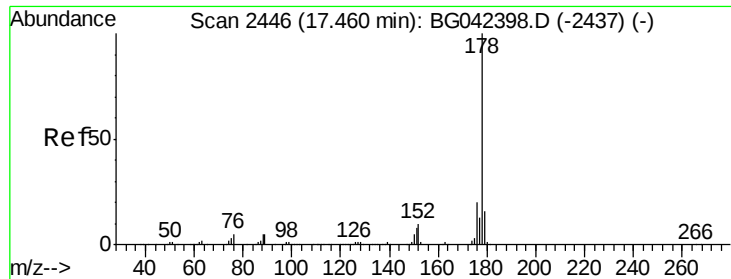


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

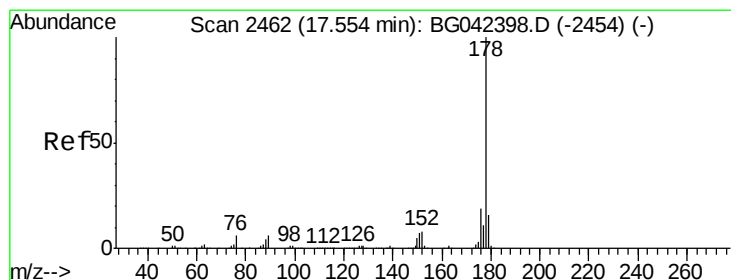
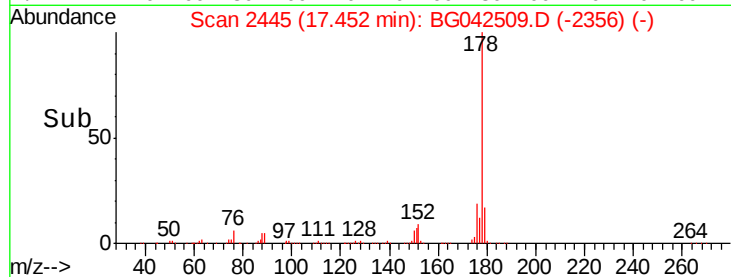
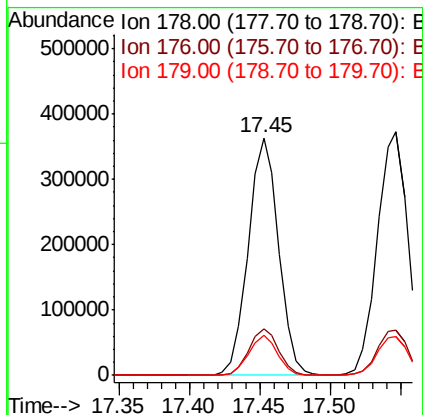
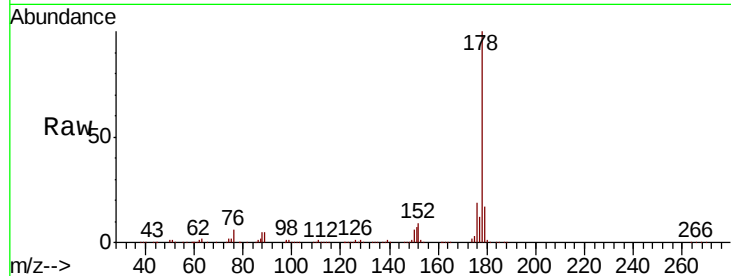




#71
Phenanthrene
Concen: 51.840 ng
RT: 17.45 min Scan# 2445
Delta R.T. -0.01 min
Lab File: BG042509.D
Acq: 27 Aug 2019 18:13

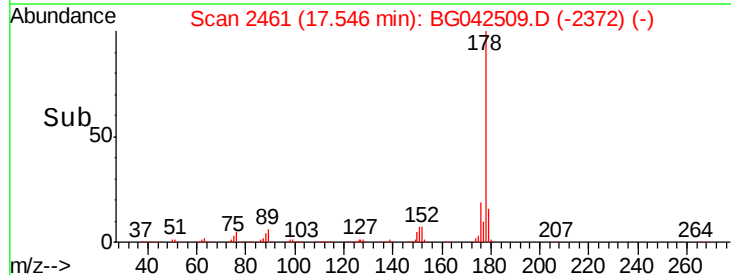
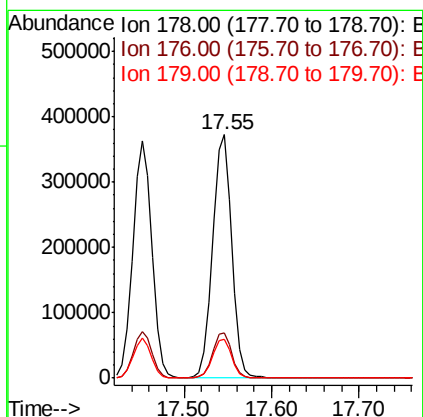
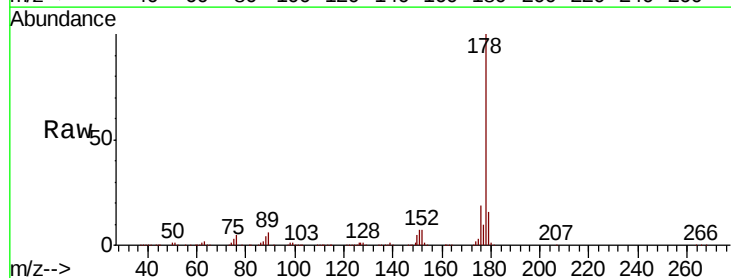
Instrument :
BNA_G
ClientSampleId :
NB-07-082619MSD

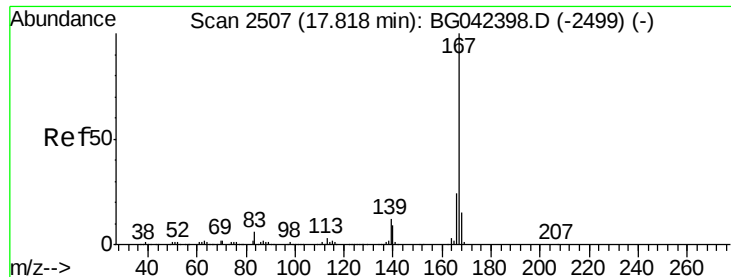
Tot Ion:178 Resp: 547828
Ion Ratio Lower Upper
178 100
176 19.3 15.9 23.9
179 16.6 12.7 19.1



#72
Anthracene
Concen: 53.605 ng
RT: 17.55 min Scan# 2461
Delta R.T. -0.01 min
Lab File: BG042509.D
Acq: 27 Aug 2019 18:13

Tgt Ion:178 Resp: 565508
Ion Ratio Lower Upper
178 100
176 18.7 15.5 23.3
179 15.8 12.9 19.3





#73

Carbazole

Concen: 61.771 ng

RT: 17.81 min Scan# 2506

Delta R.T. -0.01 min

Lab File: BG042509.D

Acq: 27 Aug 2019 18:13

Instrument :

BNA_G

ClientSampleId :

NB-07-082619MSD

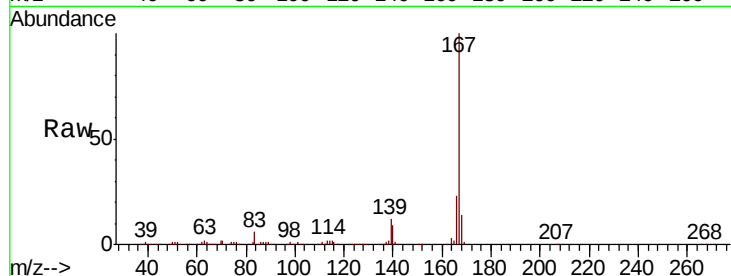
Tot Ion:167 Resp: 580785

Ion Ratio Lower Upper

167 100

166 23.1 18.9 28.3

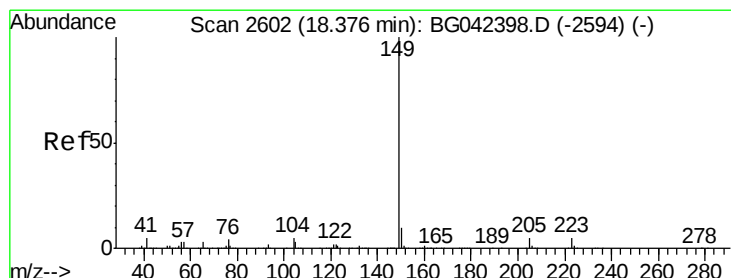
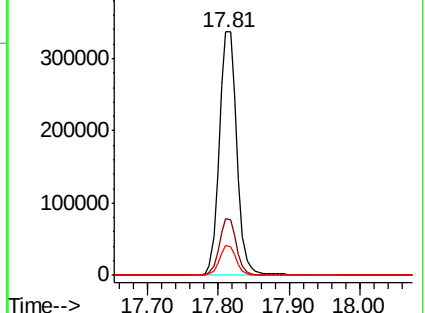
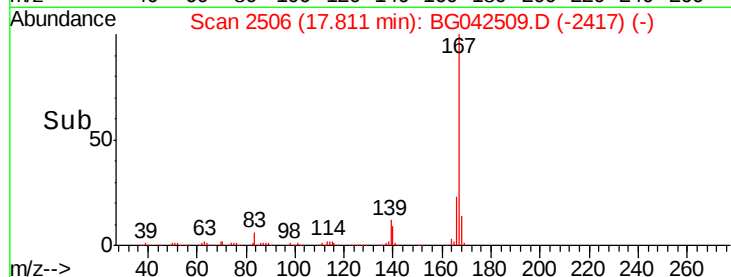
139 12.1 9.8 14.6



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: 60.126 ng

RT: 18.37 min Scan# 2601

Delta R.T. -0.01 min

Lab File: BG042509.D

Acq: 27 Aug 2019 18:13

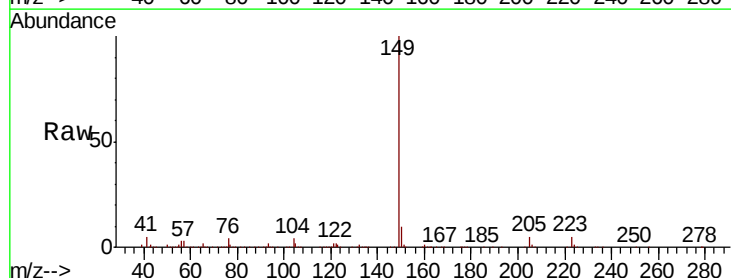
Tgt Ion:149 Resp: 668252

Ion Ratio Lower Upper

149 100

150 9.7 8.1 12.1

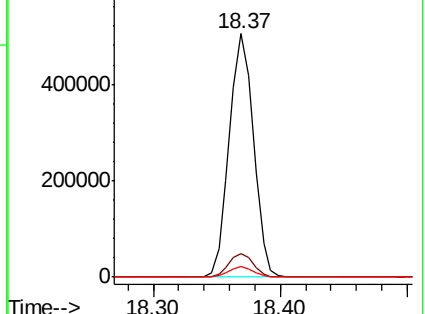
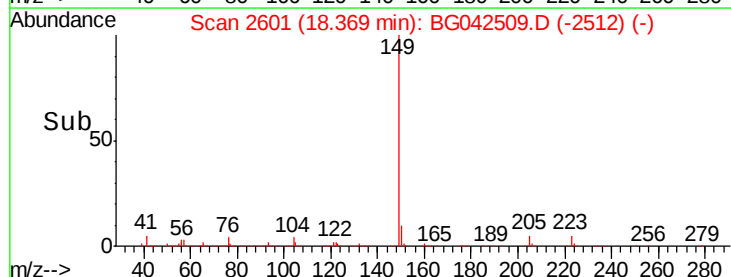
104 4.5 3.7 5.5

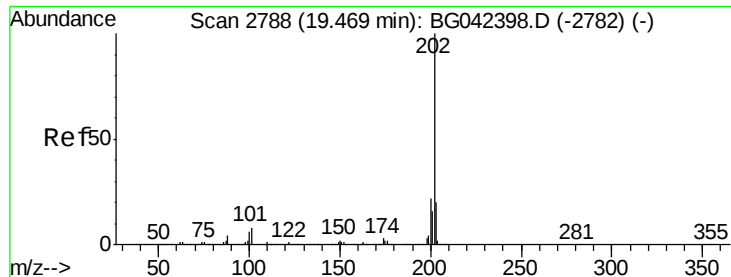


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 67.688 ng

RT: 19.47 min Scan# 2788

Delta R.T. -0.00 min

Lab File: BG042509.D

Acq: 27 Aug 2019 18:13

Instrument :

BNA_G

ClientSampleId :

NB-07-082619MSD

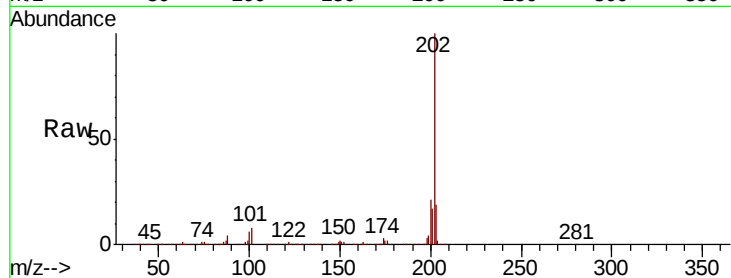
Tot Ion:202 Resp: 872962

Ion Ratio Lower Upper

202 100

101 7.8 0.0 28.3

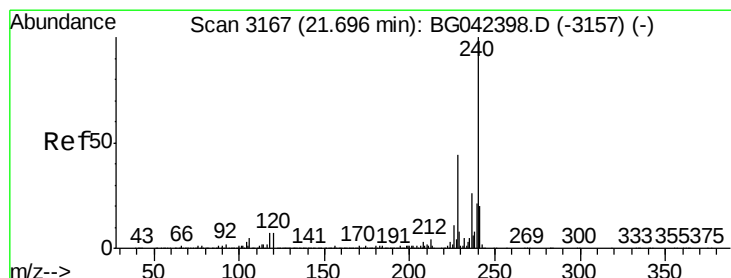
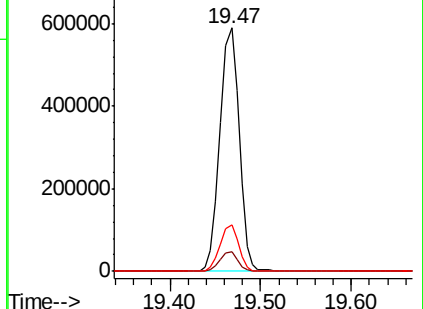
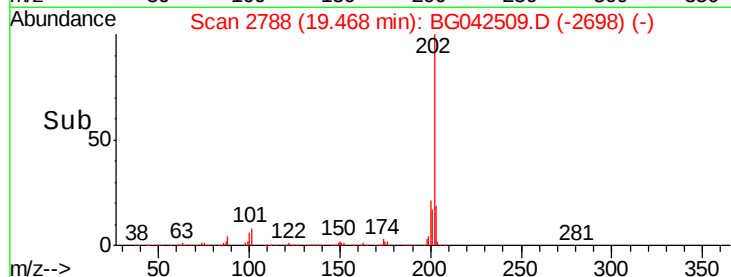
203 19.1 0.0 39.6



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: 21.69 min Scan# 3166

Delta R.T. -0.01 min

Lab File: BG042509.D

Acq: 27 Aug 2019 18:13

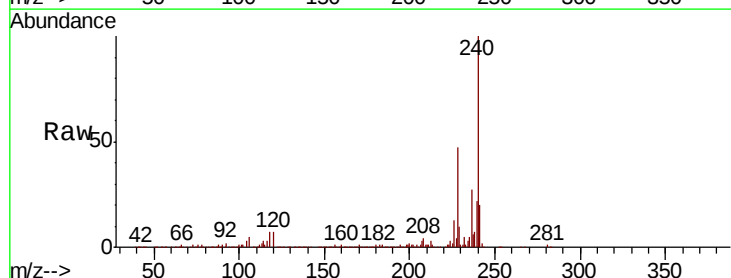
Tgt Ion:240 Resp: 282846

Ion Ratio Lower Upper

240 100

120 7.0 5.7 8.5

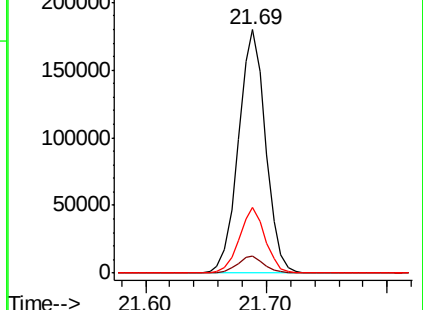
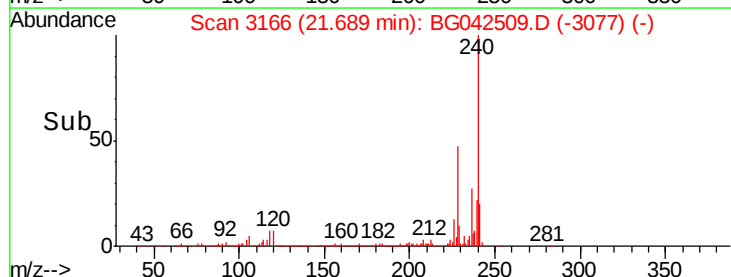
236 26.7 21.0 31.4



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: 8.375 ng

RT: 19.64 min Scan# 2818

Delta R.T. -0.00 min

Lab File: BG042509.D

Acq: 27 Aug 2019 18:13

Instrument :

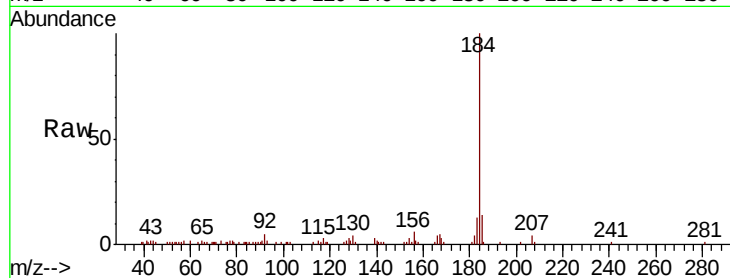
BNA_G

ClientSampleId :

NB-07-082619MSD

Tot Ion:184 Resp: 67916

Ion	Ratio	Lower	Upper
184	100		
185	14.4	12.2	18.4
183	13.4	10.8	16.2

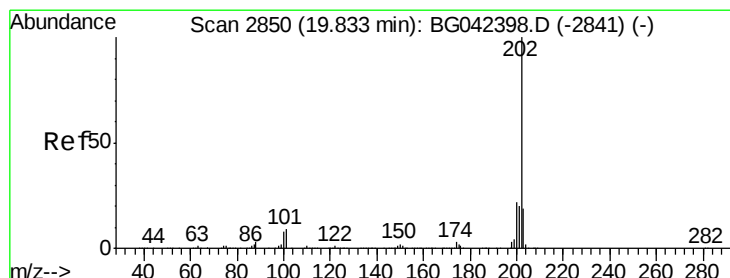
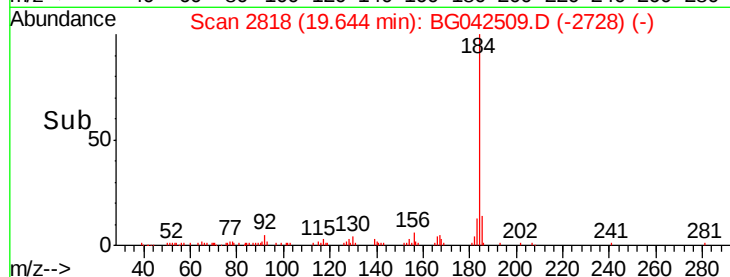
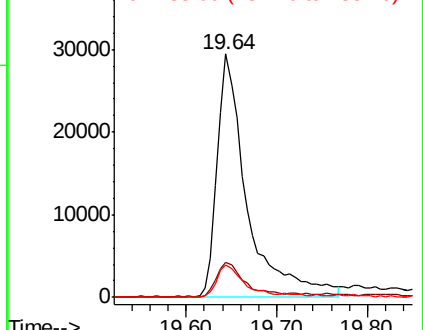


Abundance

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: 51.493 ng

RT: 19.83 min Scan# 2849

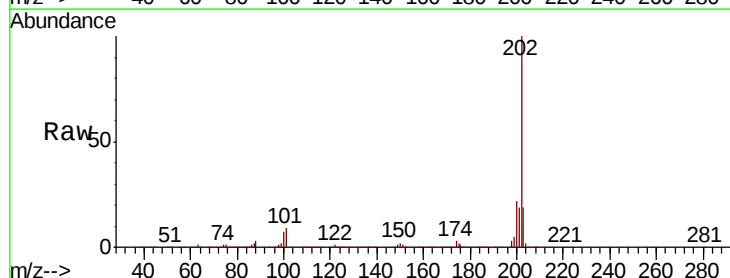
Delta R.T. -0.01 min

Lab File: BG042509.D

Acq: 27 Aug 2019 18:13

Tgt Ion:202 Resp: 892955

Ion	Ratio	Lower	Upper
202	100		
200	22.5	17.8	26.6
203	19.1	15.5	23.3

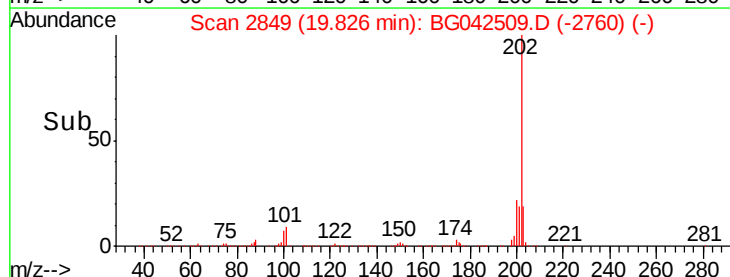
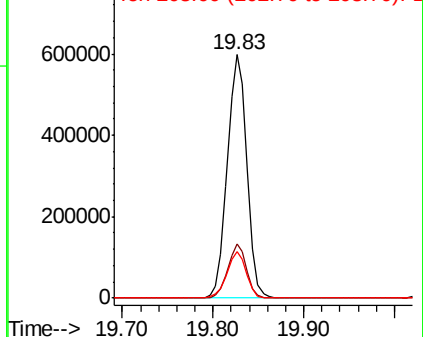


Abundance

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: 104.618 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.00 min

Lab File: BG042509.D

Acq: 27 Aug 2019 18:13

Instrument :

BNA_G

ClientSampleId :

NB-07-082619MSD

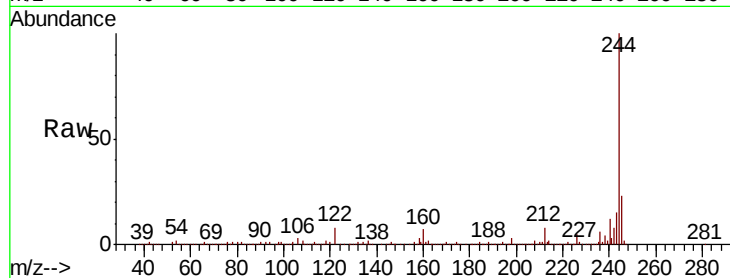
Tot Ion:244 Resp: 1368734

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

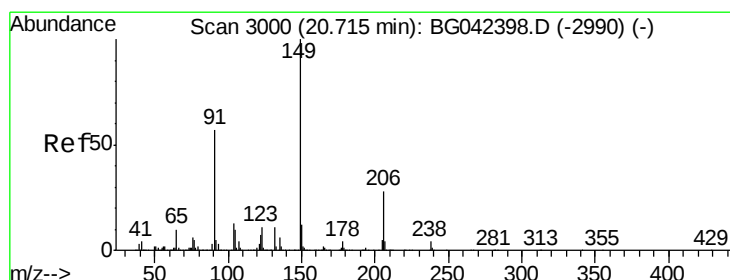
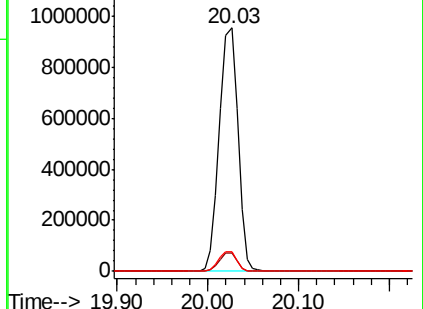
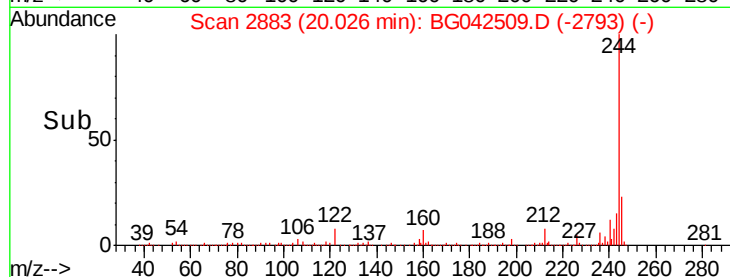
122 8.0 6.7 10.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 50.537 ng

RT: 20.71 min Scan# 2999

Delta R.T. -0.01 min

Lab File: BG042509.D

Acq: 27 Aug 2019 18:13

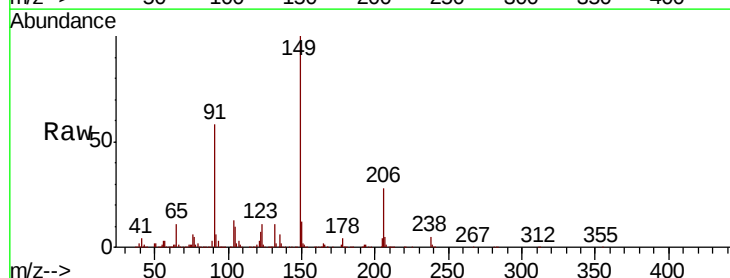
Tgt Ion:149 Resp: 344696

Ion Ratio Lower Upper

149 100

91 57.9 45.9 68.9

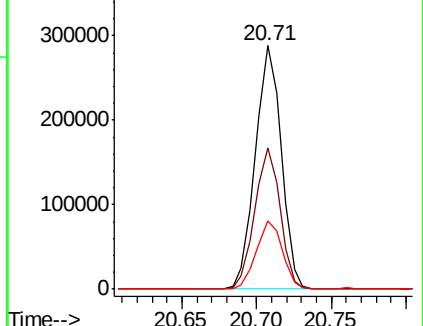
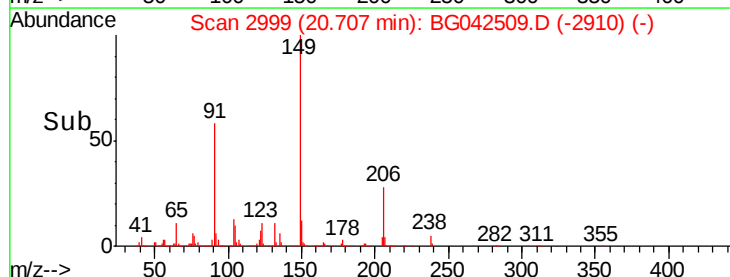
206 27.8 22.5 33.7

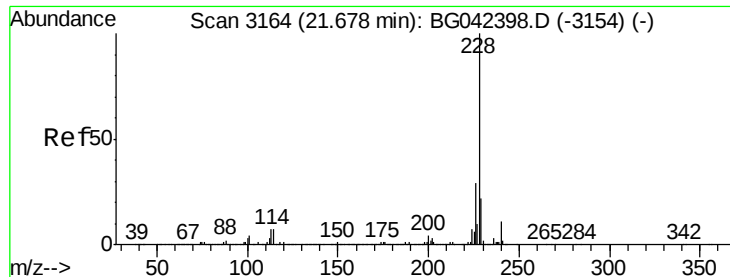


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 50.366 ng

RT: 21.67 min Scan# 3163

Delta R.T. -0.01 min

Lab File: BG042509.D

Acq: 27 Aug 2019 18:13

Instrument :

BNA_G

ClientSampleId :

NB-07-082619MSD

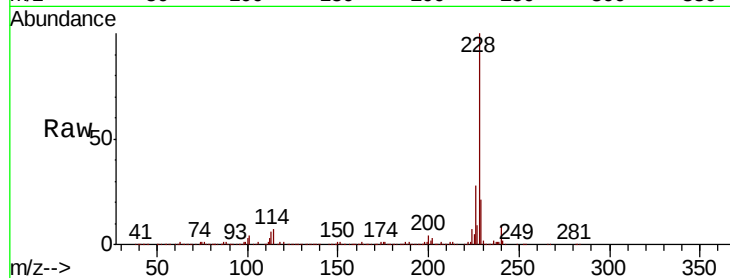
Tot Ion:228 Resp: 866594

Ion Ratio Lower Upper

228 100

226 28.4 23.4 35.2

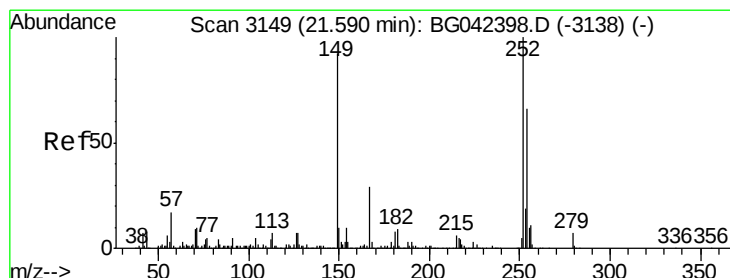
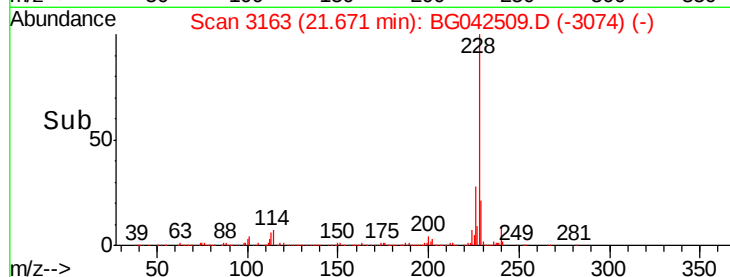
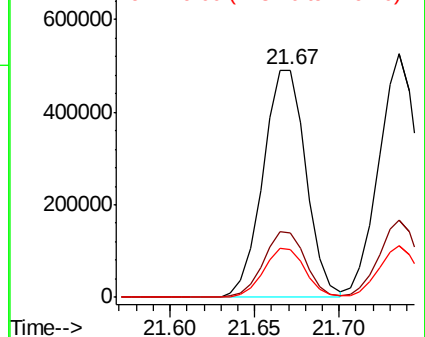
229 20.9 17.4 26.2



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: 22.171 ng

RT: 21.58 min Scan# 3147

Delta R.T. -0.01 min

Lab File: BG042509.D

Acq: 27 Aug 2019 18:13

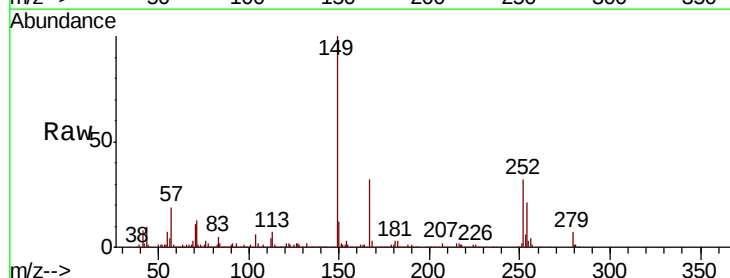
Tgt Ion:252 Resp: 153421

Ion Ratio Lower Upper

252 100

254 64.5 53.0 79.4

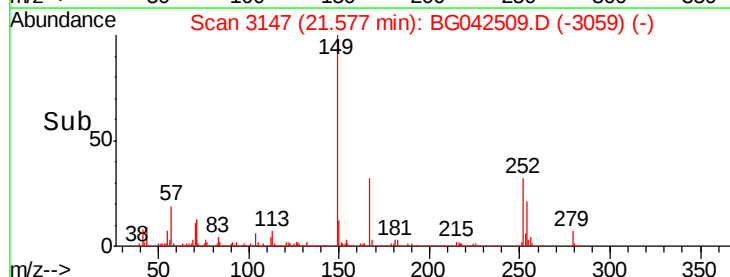
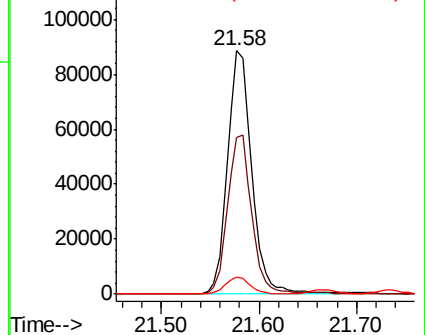
126 7.1 5.7 8.5



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

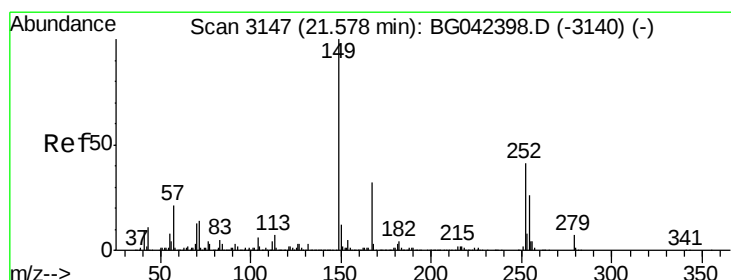
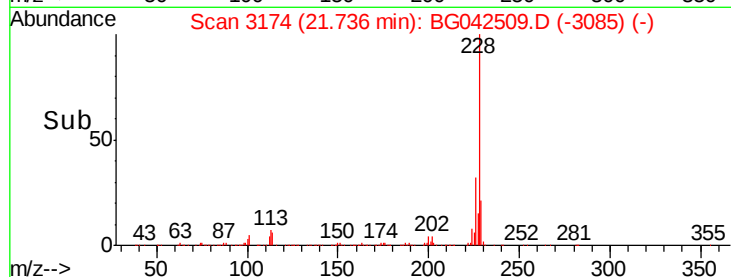
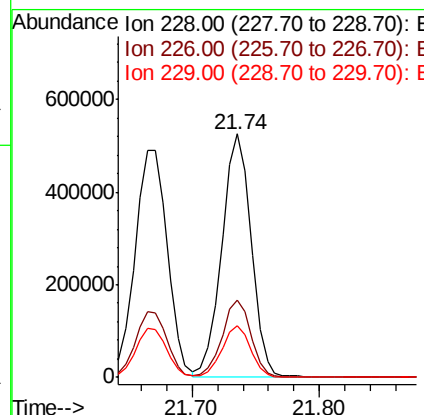
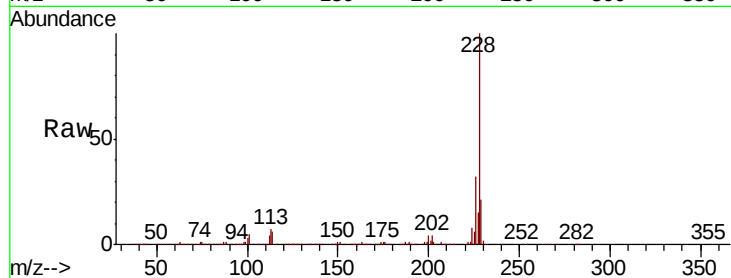




#83
 Chrysene
 Concen: 50.918 ng
 RT: 21.74 min Scan# 3174
 Delta R.T. -0.01 min
 Lab File: BG042509.D
 Acq: 27 Aug 2019 18:13

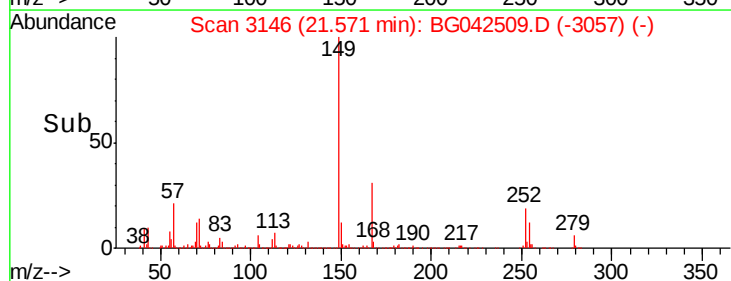
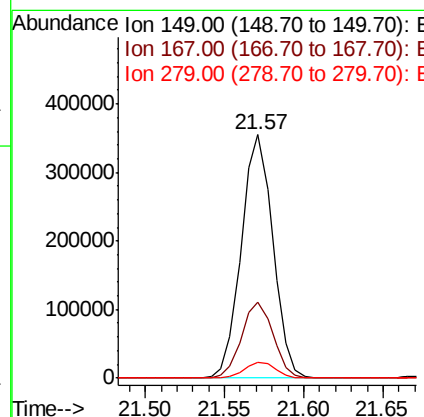
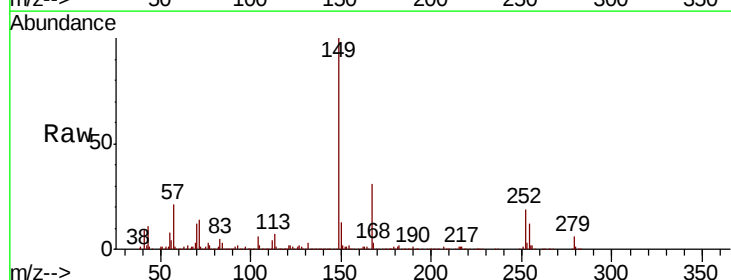
Instrument :
 BNA_G
 ClientSampleId :
 NB-07-082619MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.9	24.9	37.3
229	21.2	16.9	25.3



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 51.845 ng
 RT: 21.57 min Scan# 3146
 Delta R.T. -0.01 min
 Lab File: BG042509.D
 Acq: 27 Aug 2019 18:13

Tgt Ion	Ratio	Lower	Upper
149	100		
167	31.3	26.0	39.0
279	6.4	5.4	8.0

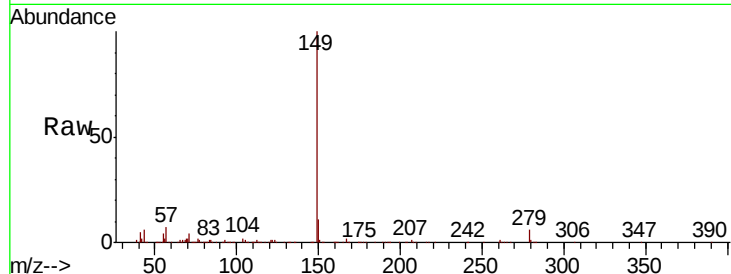




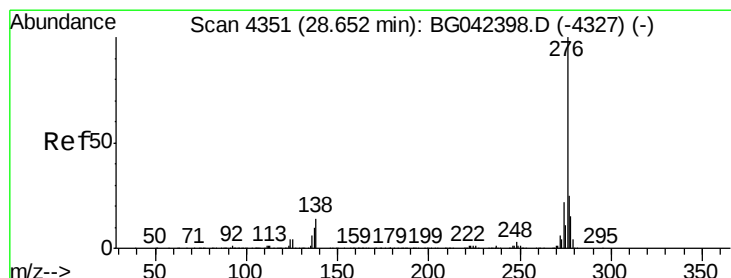
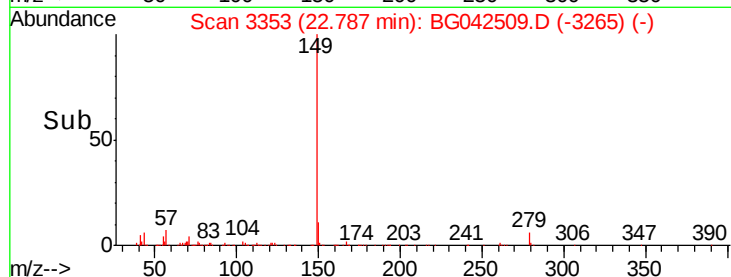
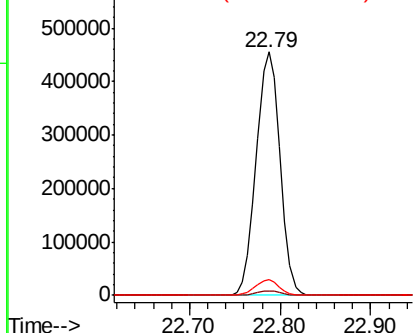
#85
Di-n-octyl phthalate
Concen: 50.999 ng
RT: 22.79 min Scan# 3353
Delta R.T. -0.01 min
Lab File: BG042509.D
Acq: 27 Aug 2019 18:13

Instrument :
BNA_G
ClientSampleId :
NB-07-082619MSD

Tot Ion:149 Resp: 830664
Ion Ratio Lower Upper
149 100
167 1.8 1.6 2.4
43 6.1 5.3 7.9

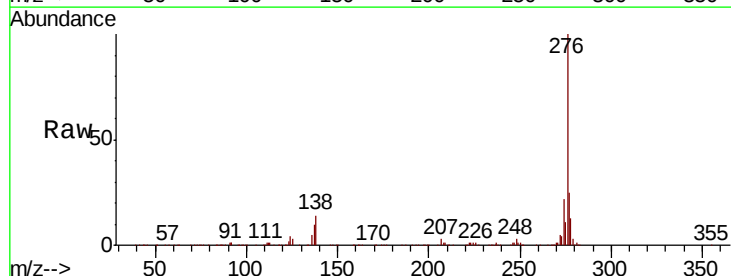


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BGC

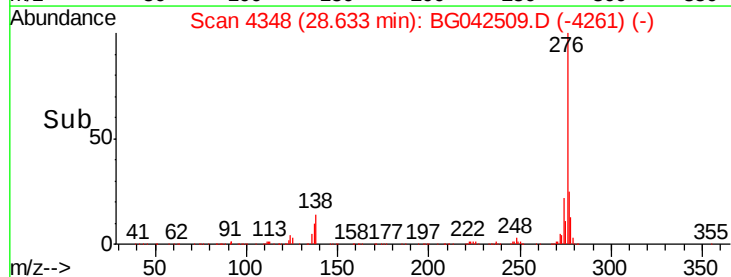
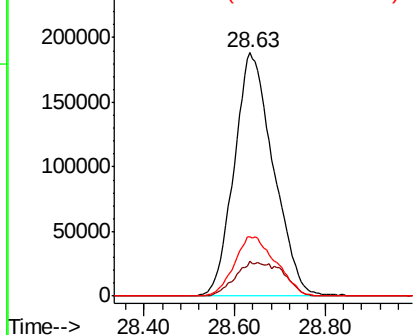


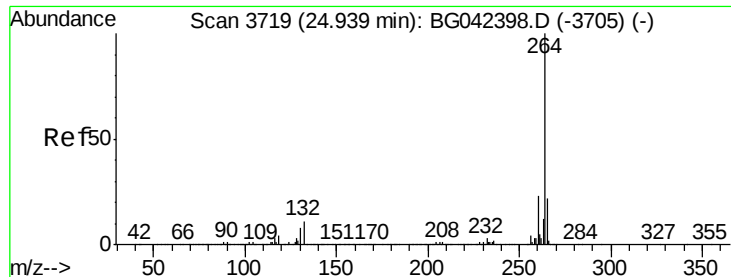
#86
Indeno(1,2,3-cd)pyrene
Concen: 50.018 ng
RT: 28.63 min Scan# 4348
Delta R.T. -0.02 min
Lab File: BG042509.D
Acq: 27 Aug 2019 18:13

Tgt Ion:276 Resp: 1127921
Ion Ratio Lower Upper
276 100
138 17.2 9.2 13.8#
277 26.2 21.0 31.6



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.93 min Scan# 3717

Delta R.T. -0.01 min

Lab File: BG042509.D

Acq: 27 Aug 2019 18:13

Instrument :

BNA_G

ClientSampleId :

NB-07-082619MSD

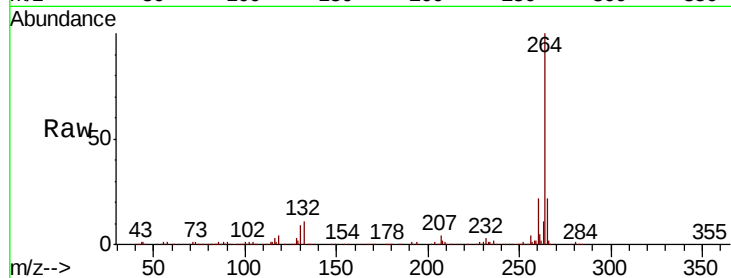
Tot Ion:264 Resp: 342153

Ion Ratio Lower Upper

264 100

260 22.3 18.5 27.7

265 21.7 17.6 26.4

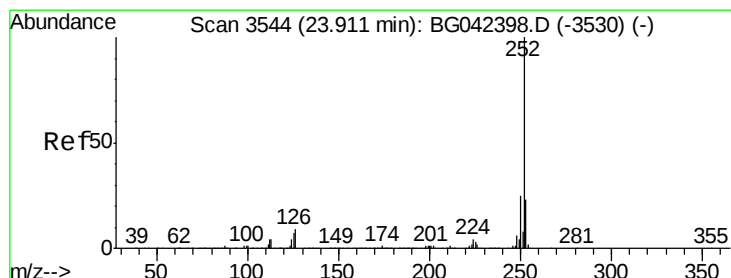
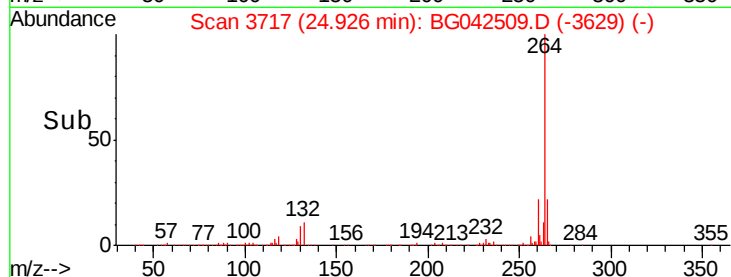
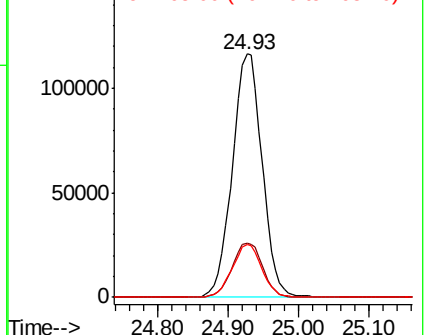


Abundance

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



#88

Benzo(b)fluoranthene

Concen: 50.683 ng

RT: 23.90 min Scan# 3542

Delta R.T. -0.01 min

Lab File: BG042509.D

Acq: 27 Aug 2019 18:13

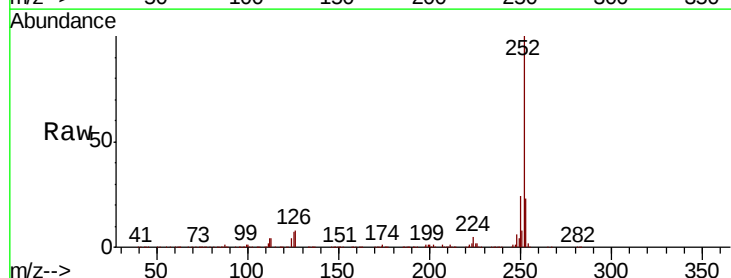
Tgt Ion:252 Resp: 953360

Ion Ratio Lower Upper

252 100

253 23.3 18.6 27.8

125 6.7 5.6 8.4

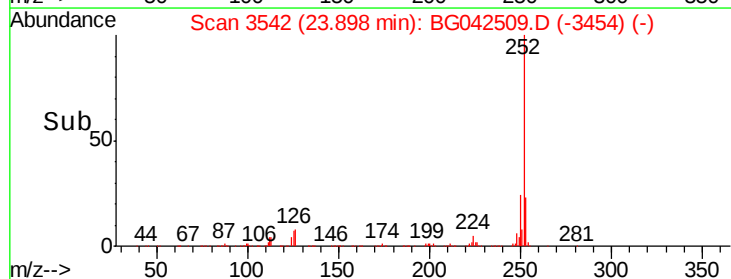
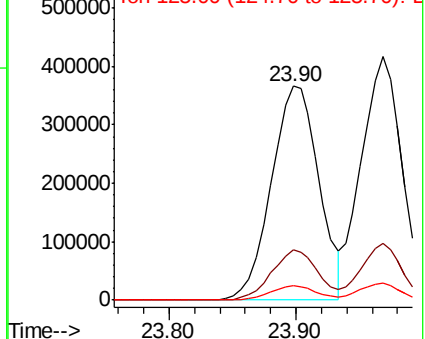


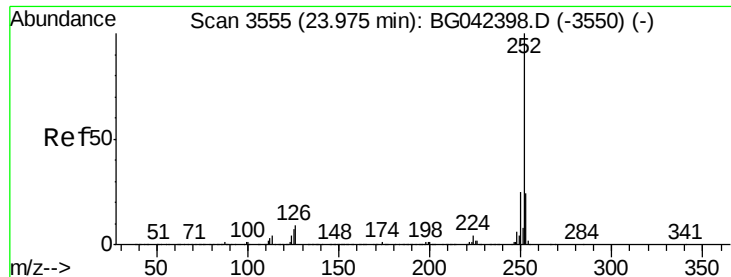
Abundance

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

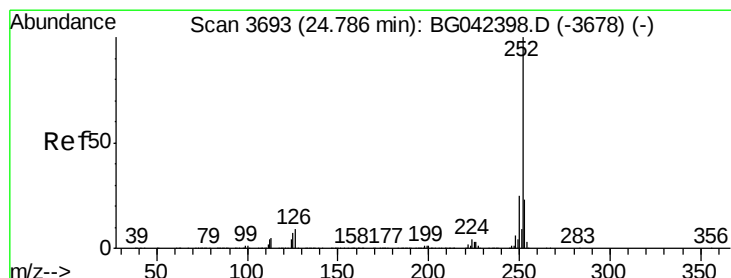
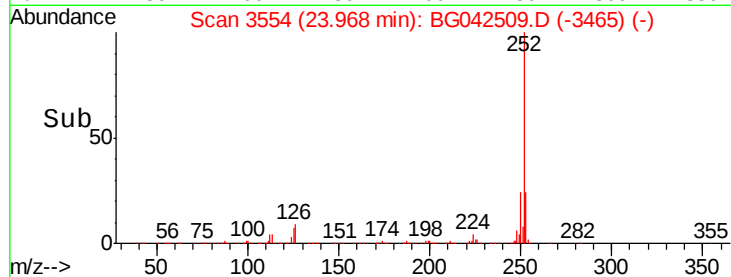
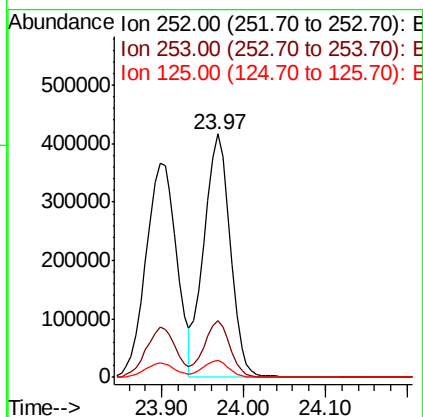
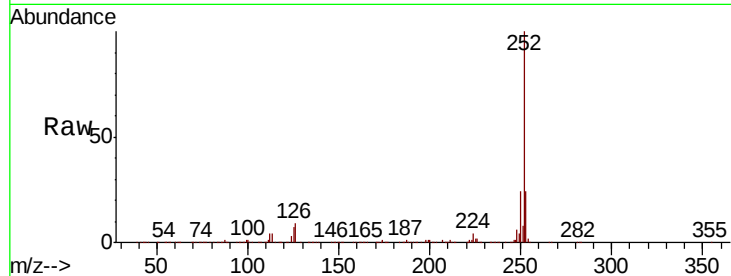




#89
Benzo(k)fluoranthene
Concen: 51.603 ng
RT: 23.97 min Scan# 3554
Delta R.T. -0.01 min
Lab File: BG042509.D
Acq: 27 Aug 2019 18:13

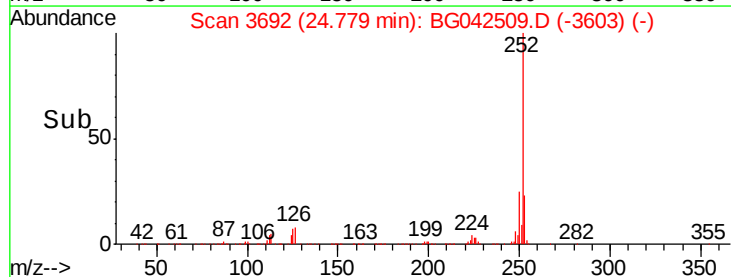
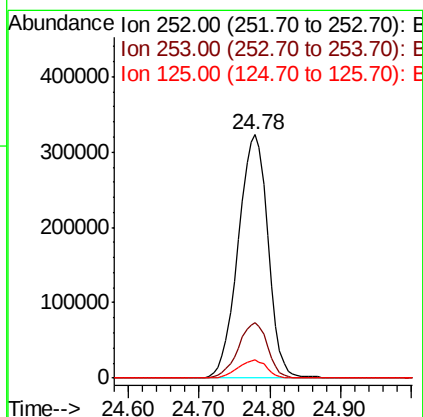
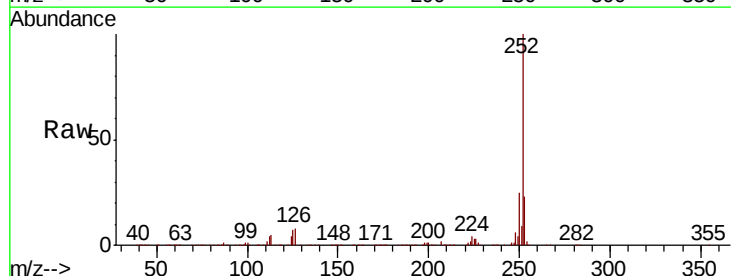
Instrument :
BNA_G
ClientSampleId :
NB-07-082619MSD

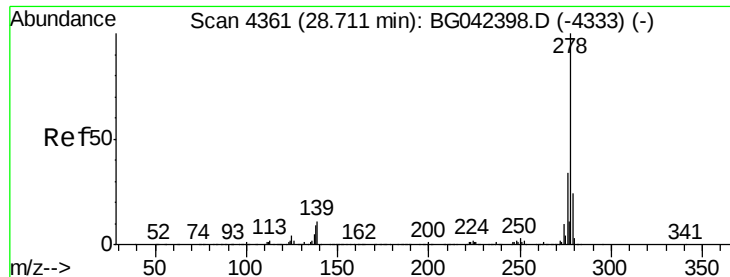
Tot Ion:252 Resp: 933013
Ion Ratio Lower Upper
252 100
253 23.5 18.6 27.8
125 6.9 5.8 8.6



#90
Benzo(a)pyrene
Concen: 53.240 ng
RT: 24.78 min Scan# 3692
Delta R.T. -0.01 min
Lab File: BG042509.D
Acq: 27 Aug 2019 18:13

Tgt Ion:252 Resp: 950305
Ion Ratio Lower Upper
252 100
253 23.0 18.4 27.6
125 7.3 6.0 9.0





#91

Dibenzo(a,h)anthracene

Concen: 51.363 ng

RT: 28.70 min Scan# 4359

Delta R.T. -0.01 min

Lab File: BG042509.D

Acq: 27 Aug 2019 18:13

Instrument :

BNA_G

ClientSampleId :

NB-07-082619MSD

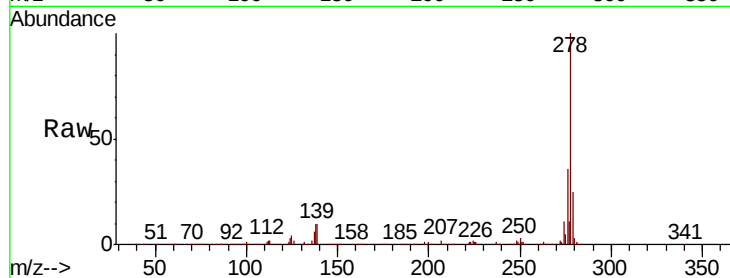
Tot Ion:278 Resp: 928271

Ion Ratio Lower Upper

278 100

139 10.3 8.8 13.2

279 24.5 19.1 28.7

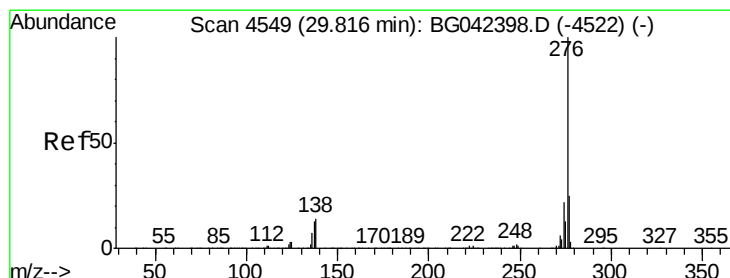
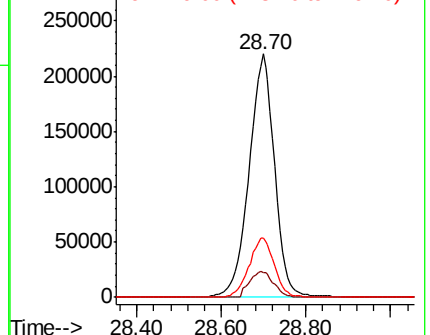
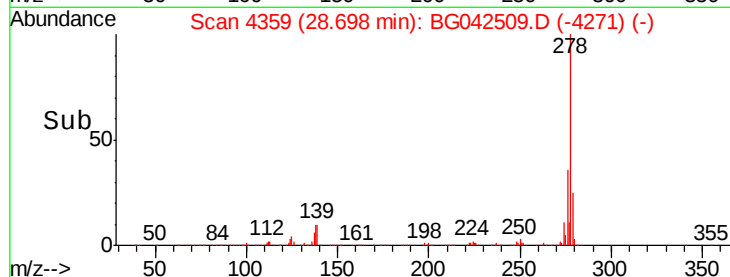


Abundance

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: 52.034 ng

RT: 29.79 min Scan# 4545

Delta R.T. -0.02 min

Lab File: BG042509.D

Acq: 27 Aug 2019 18:13

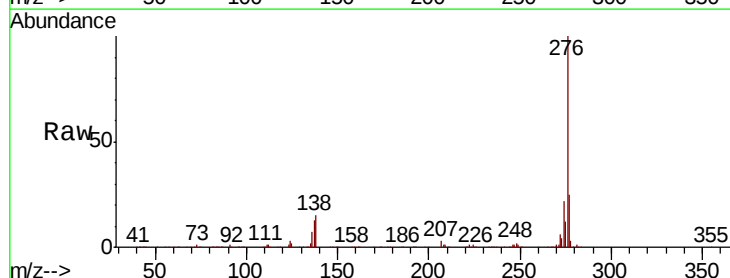
Tgt Ion:276 Resp: 940533

Ion Ratio Lower Upper

276 100

277 24.5 19.8 29.8

138 15.0 11.4 17.0



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

