

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG013120\
 Data File : BG044268.D
 Acq On : 31 Jan 2020 20:23
 Operator : CG/JU
 Sample : L1333-05
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 31 23:32:41 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 30 16:05:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	71478	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	328617	20.00	ng	0.00
39) Acenaphthene-d10	14.55	164	249604	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	534862	20.00	ng	0.00
76) Chrysene-d12	21.54	240	469329	20.00	ng	0.00
87) Perylene-d12	24.64	264	526952	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	427274	105.50	ng	0.00
7) Phenol-d6	7.09	99	620456	114.08	ng	0.00
23) Nitrobenzene-d5	9.07	82	370261	63.61	ng	0.00
42) 2,4,6-Tribromophenol	16.04	330	269362	91.93	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	913091	61.26	ng	0.00
79) Terphenyl-d14	19.91	244	1309394	57.39	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.38	88	115	0.063	ng	# 1
3) Pyridine	3.85	79	56	0.012	ng	# 1
4) n-Nitrosodimethylamine	3.69	42	63	0.031	ng	# 1
6) Aniline	7.11	93	203	0.030	ng	# 1
9) Benzaldehyde	7.09	77	1326	0.428	ng	# 1
10) Phenol	7.11	94	27714	5.149	ng	88
11) bis(2-Chloroethyl)ether	7.11	93	203	0.044	ng	# 1
15) Benzyl Alcohol	8.24	79	5324	1.383	ng	# 52
16) 2,2'-oxybis(1-Chloropropan	8.27	45	55	0.009	ng	# 1
19) n-Nitroso-di-n-propylamine	9.07	70	47290	13.047	ng	# 79
22) Acetophenone	8.74	105	138	0.017	ng	# 54
24) Nitrobenzene	9.08	77	1329	0.234	ng	# 29
25) Isophorone	9.58	82	129	0.012	ng	# 64
31) Naphthalene	10.77	128	728	0.046	ng	# 67
35) Caprolactam	11.68	113	261	0.142	ng	# 78
37) 2-Methylnaphthalene	12.39	142	210	0.018	ng	# 49
38) 1-Methylnaphthalene	12.61	142	54	0.005	ng	# 6
46) 1,1'-Biphenyl	13.40	154	2220	0.123	ng	91
48) 2-Nitroaniline	14.01	65	1015	0.240	ng	# 1
49) Acenaphthylene	14.28	152	178	0.008	ng	# 58
50) Dimethylphthalate	14.01	163	137882	7.685	ng	97
51) 2,6-Dinitrotoluene	14.00	165	1481	0.370	ng	# 3
52) Acenaphthene	14.55	154	1069	0.078	ng	# 5
55) Dibenzofuran	14.95	168	64	0.003	ng	# 45
57) 2,4-Dinitrotoluene	14.55	165	32053	5.717	ng	# 27
58) Fluorene	16.05	166	12435	0.766	ng	# 89
60) Diethylphthalate	15.38	149	267	0.015	ng	# 57
63) Azobenzene	15.79	77	59	0.004	ng	# 48
65) 4,6-Dinitro-2-methylphenol	16.05	198	513	0.174	ng	# 1
66) n-Nitrosodiphenylamine	16.04	169	9321	0.622	ng	# 48
67) 4-Bromophenyl-phenylether	16.04	248	18278	3.137	ng	# 1
71) Phenanthrene	17.34	178	7514	0.290	ng	94
72) Anthracene	17.34	178	7514	0.293	ng	94
74) Di-n-butylphthalate	18.27	149	643	0.022	ng	# 75

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

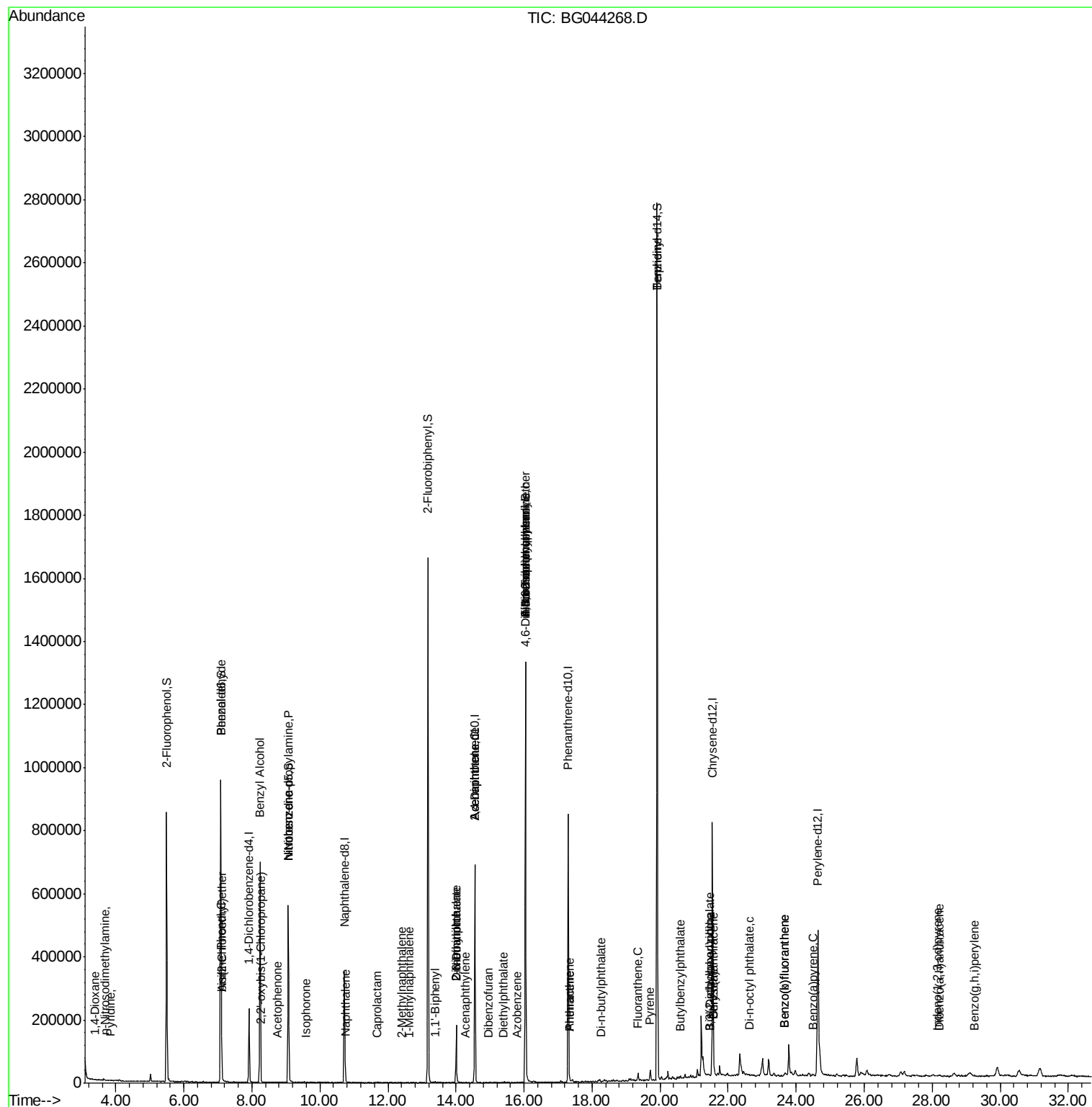
75) Fluoranthene	19.35	202	14158	0.473	nq	97
77) Benzidine	19.91	184	19941	1.532	nq	# 88
78) Pyrene	19.71	202	20080	0.666	nq	95
80) Butylbenzylphthalate	20.61	149	335	0.024	nq	# 56
81) Benzo(a)anthracene	21.59	228	14250	0.493	nq	97
82) 3,3'-Dichlorobenzidine	21.46	252	60	0.005	nq	# 25
83) Chrysene	21.59	228	14250	0.510	nq	93
84) Bis(2-ethylhexyl)phthalate	21.45	149	1782	0.094	nq	# 93
85) Di-n-octyl phthalate	22.63	149	1821	0.056	nq	# 78
86) Indeno(1,2,3-cd)pyrene	28.15	276	1752	0.048	nq	# 72
88) Benzo(b)fluoranthene	23.67	252	10644	0.351	nq	93
89) Benzo(k)fluoranthene	23.67	252	10644	0.360	nq	93
90) Benzo(a)pyrene	24.49	252	4998	0.174	nq	# 89
91) Dibenzo(a,h)anthracene	28.21	278	986	0.035	nq	# 37
92) Benzo(a,h,i)perylene	29.24	276	3033	0.107	nq	# 54

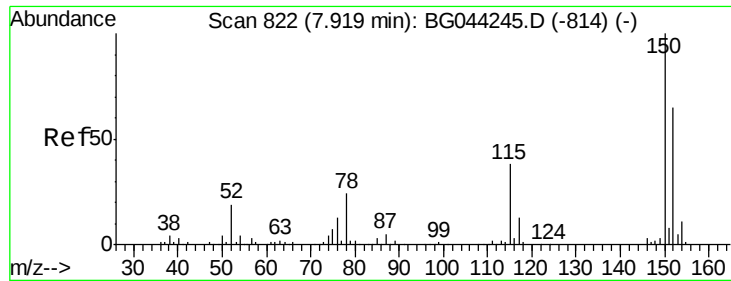
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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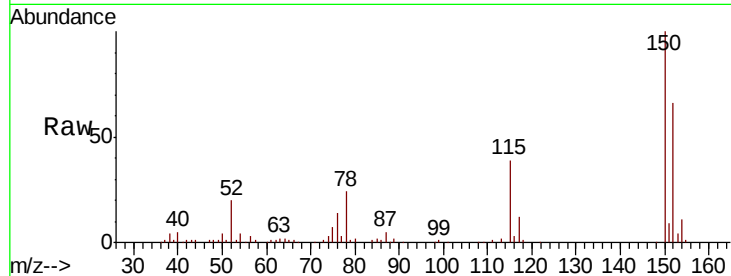


#1

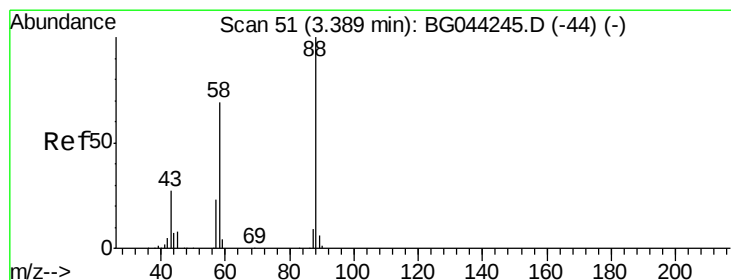
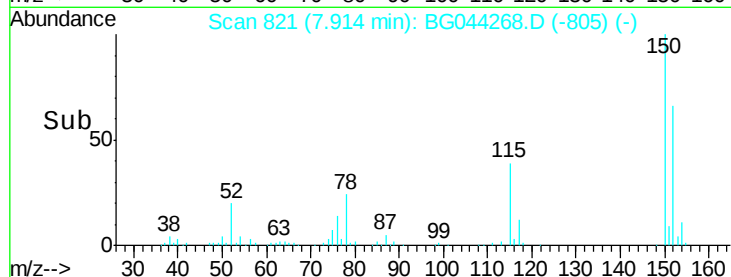
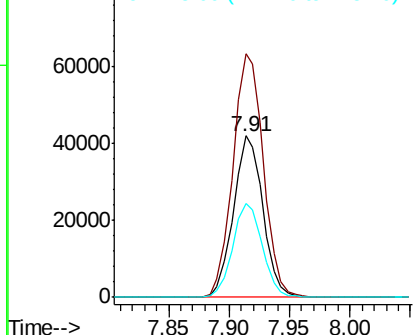
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.91 min Scan# 821
Delta R.T. -0.01 min
Lab File: BG044268.D
Acq: 31 Jan 2020 20:23

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 71478
Ion Ratio Lower Upper
152 100
150 151.1 122.6 183.8
115 58.2 46.0 69.0



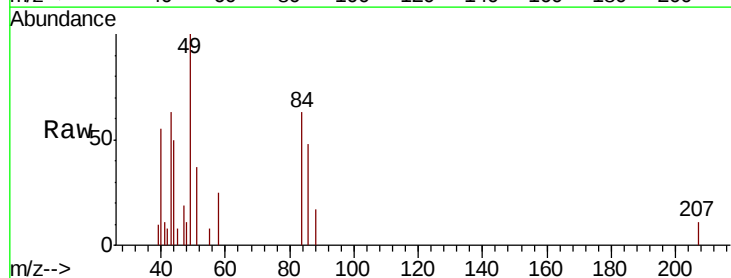
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



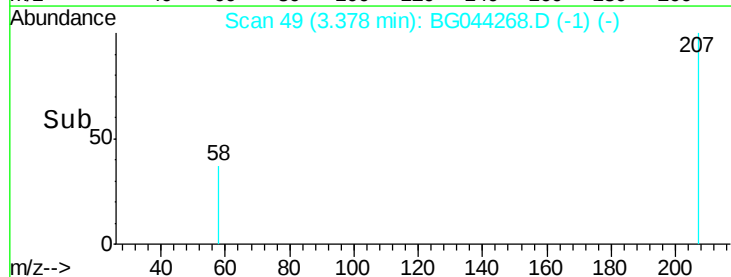
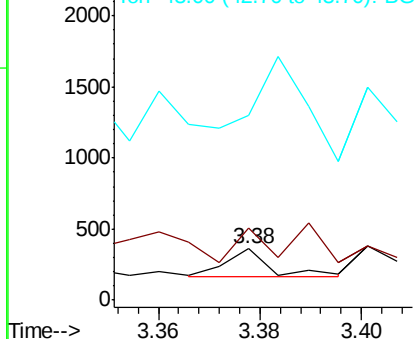
#2

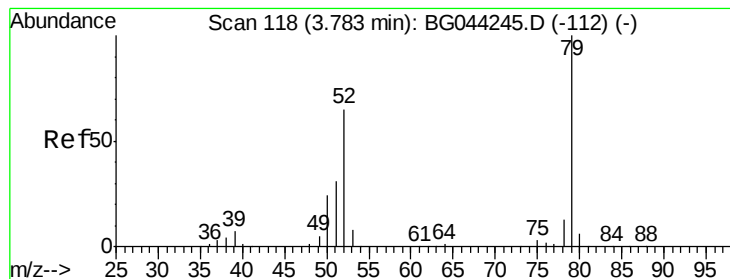
1,4-Dioxane
Concen: 0.063 ng
RT: 3.38 min Scan# 49
Delta R.T. -0.01 min
Lab File: BG044268.D
Acq: 31 Jan 2020 20:23

Tgt Ion: 88 Resp: 115
Ion Ratio Lower Upper
88 100
58 89.6 55.8 83.6#
43 447.8 21.6 32.4#



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: 0.012 ng

RT: 3.85 min Scan# 129

Delta R.T. 0.06 min

Lab File: BG044268.D

Acq: 31 Jan 2020 20:23

Instrument :

BNA_G

ClientSampleId :

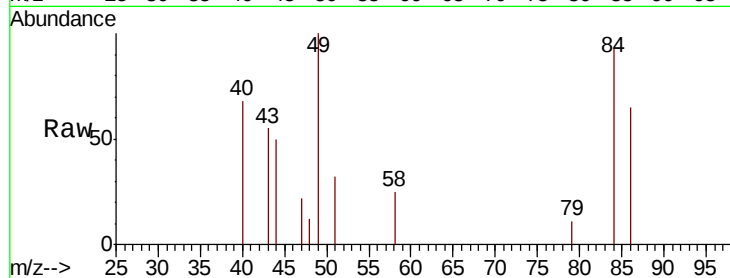
Tot Ion: 79 Resp: 56

Ion Ratio Lower Upper

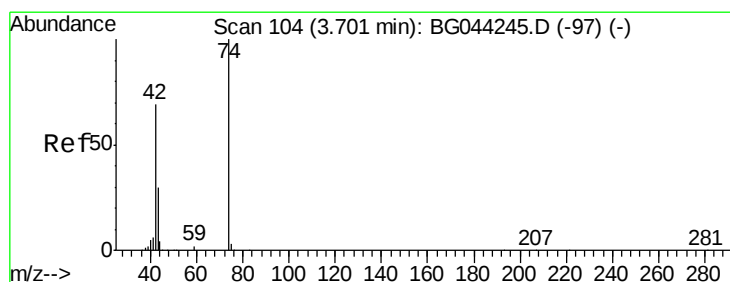
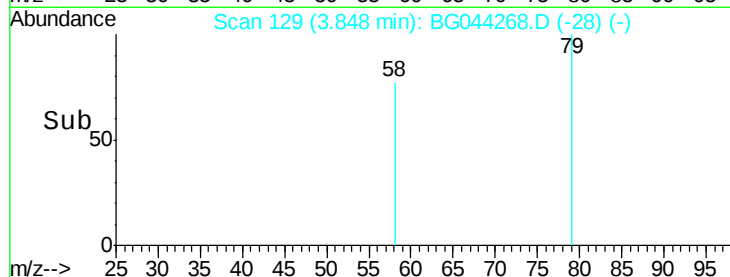
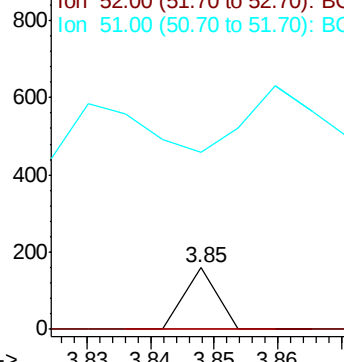
79 100

52 0.0 51.9 77.9#

51 287.4 25.3 37.9#



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: 0.031 ng

RT: 3.69 min Scan# 102

Delta R.T. -0.01 min

Lab File: BG044268.D

Acq: 31 Jan 2020 20:23

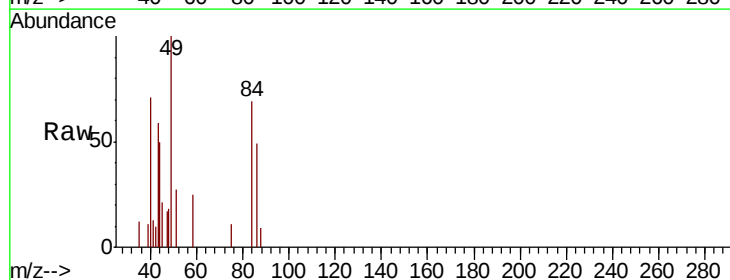
Tgt Ion: 42 Resp: 63

Ion Ratio Lower Upper

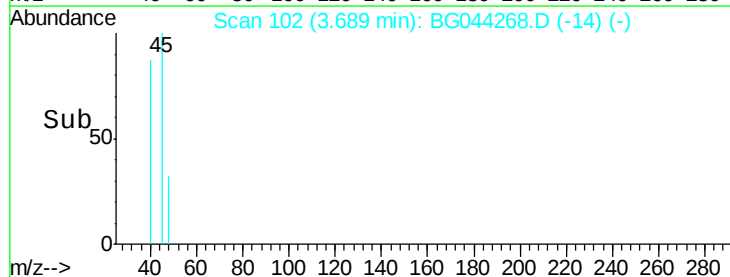
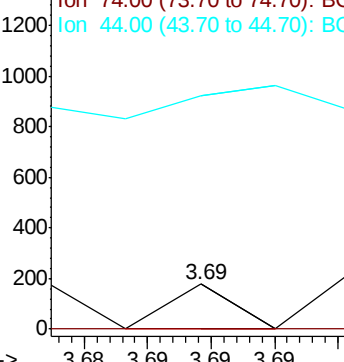
42 100

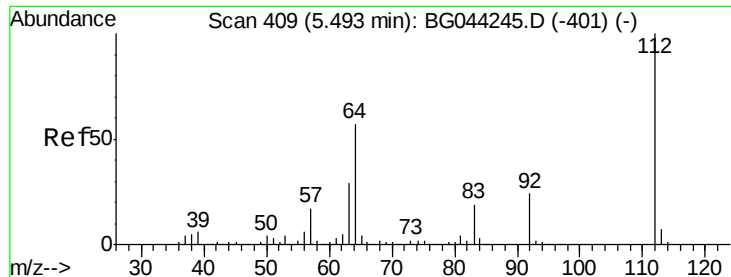
74 0.0 115.1 172.7#

44 519.1 5.6 8.4#



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: 105.497 ng

RT: 5.49 min Scan# 409

Delta R.T. 0.00 min

Lab File: BG044268.D

Acq: 31 Jan 2020 20:23

Instrument :

BNA_G

ClientSampleId :

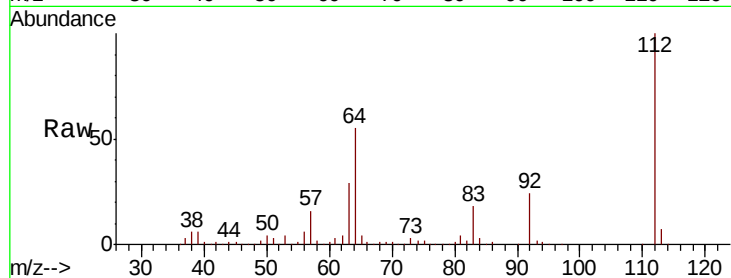
Tot Ion:112 Resp: 427274

Ion Ratio Lower Upper

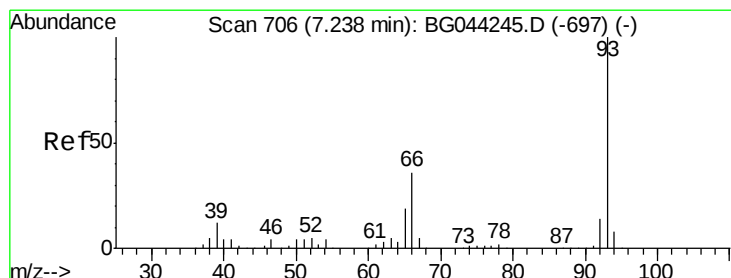
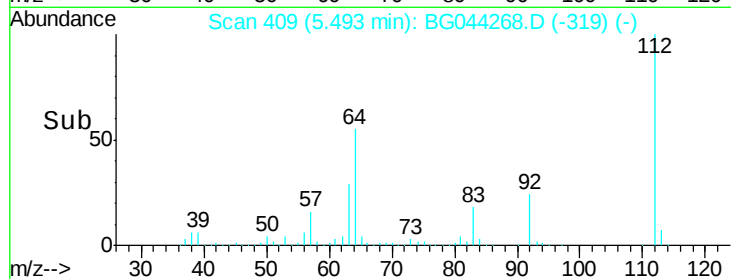
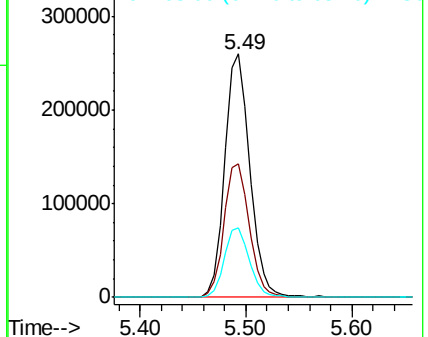
112 100

64 55.1 45.4 68.2

63 28.8 22.9 34.3



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: 0.030 ng

RT: 7.11 min Scan# 685

Delta R.T. -0.12 min

Lab File: BG044268.D

Acq: 31 Jan 2020 20:23

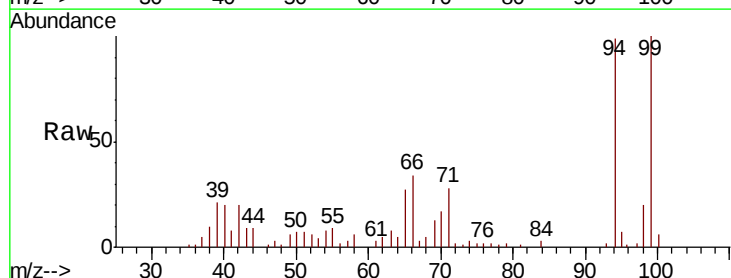
Tgt Ion: 93 Resp: 203

Ion Ratio Lower Upper

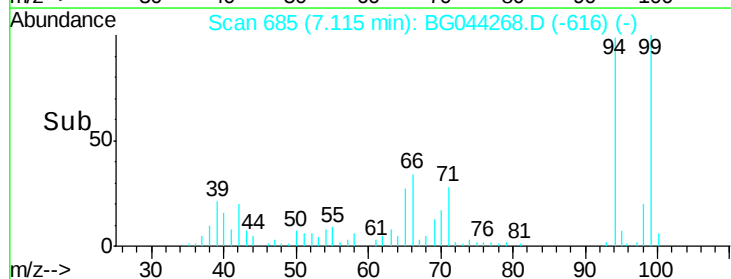
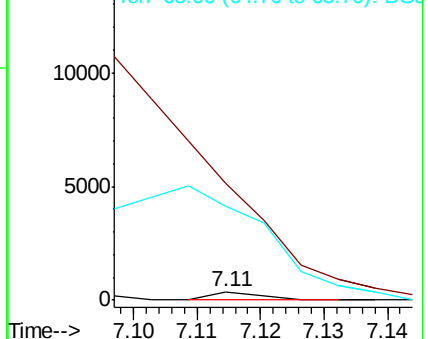
93 100

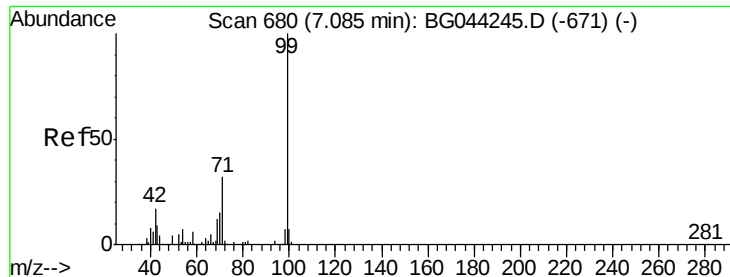
66 1416.3 28.7 43.1#

65 1131.1 15.4 23.0#



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 66.00 (65.70 to 66.70): BGC
Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 114.082 ng

RT: 7.09 min Scan# 680

Delta R.T. 0.00 min

Lab File: BG044268.D

Acq: 31 Jan 2020 20:23

Instrument :

BNA_G

ClientSampleId :

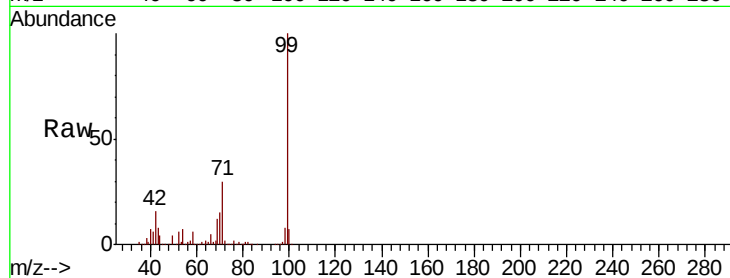
Tot Ion: 99 Resp: 620456

Ion Ratio Lower Upper

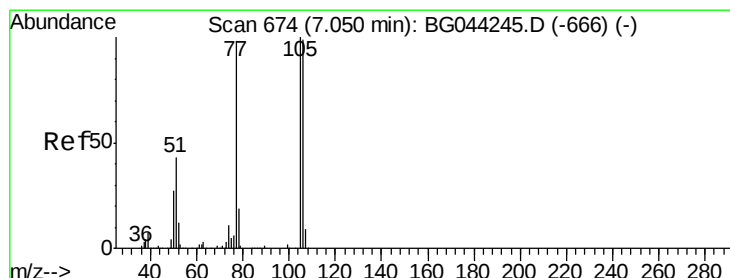
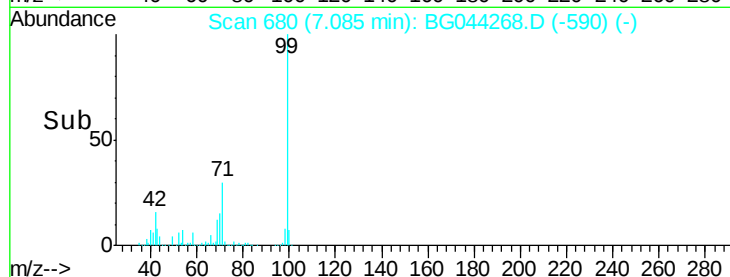
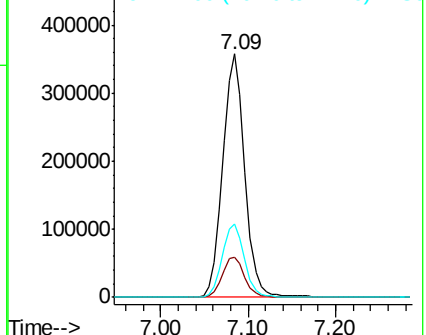
99 100

42 16.4 13.8 20.6

71 30.3 25.5 38.3



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



#9

Benzaldehyde

Concen: 0.428 ng

RT: 7.09 min Scan# 681

Delta R.T. 0.04 min

Lab File: BG044268.D

Acq: 31 Jan 2020 20:23

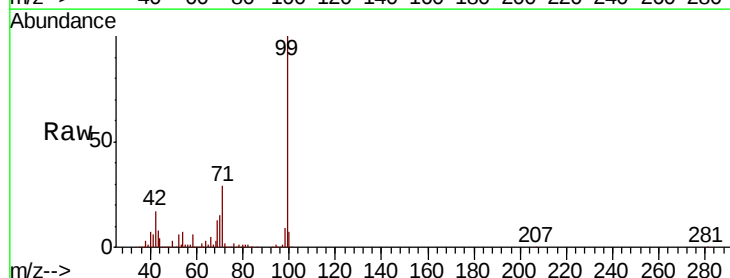
Tgt Ion: 77 Resp: 1326

Ion Ratio Lower Upper

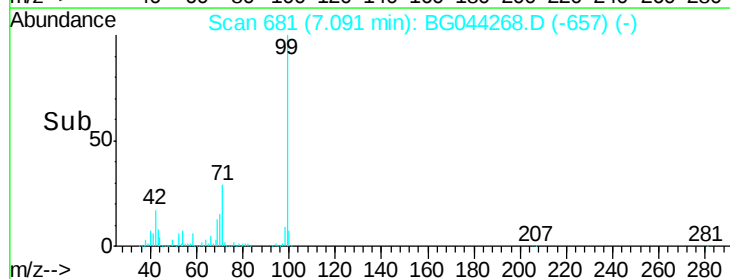
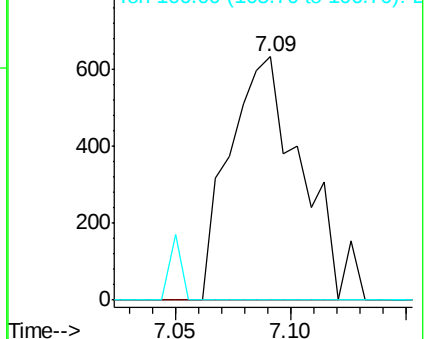
77 100

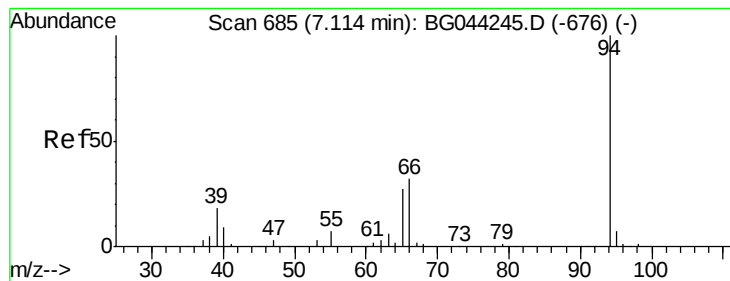
105 0.0 82.0 122.0#

106 0.0 80.7 120.7#



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





#10

Phenol

Concen: 5.149 ng

RT: 7.11 min Scan# 684

Delta R.T. -0.01 min

Lab File: BG044268.D

Acq: 31 Jan 2020 20:23

Instrument :

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ClientSampleId :

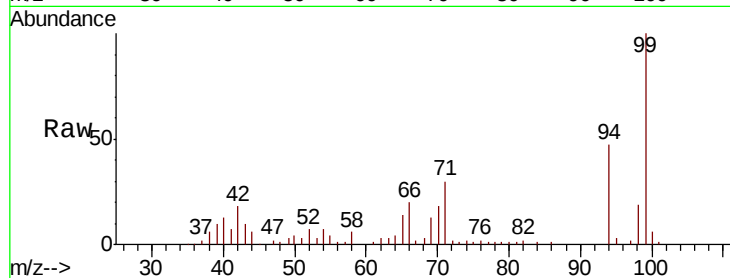
Tot Ion: 94 Resp: 27714

Ion Ratio Lower Upper

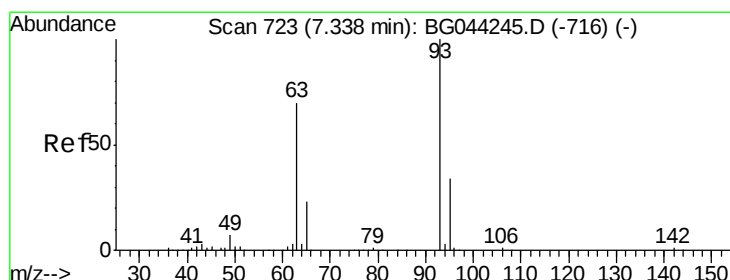
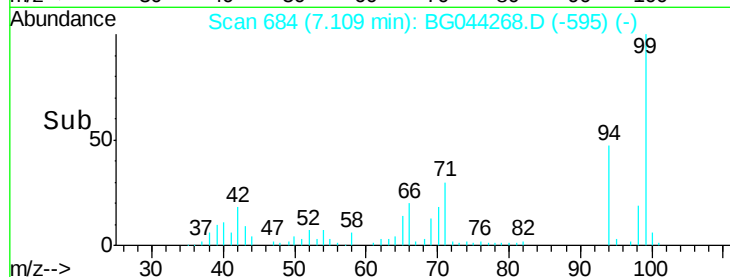
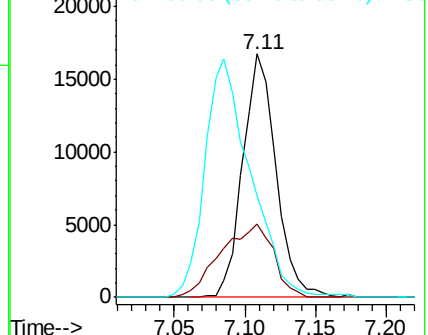
94 100

65 30.1 7.0 47.0

66 41.9 12.7 52.7



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



#11

bis(2-Chloroethyl)ether

Concen: 0.044 ng

RT: 7.11 min Scan# 685

Delta R.T. -0.22 min

Lab File: BG044268.D

Acq: 31 Jan 2020 20:23

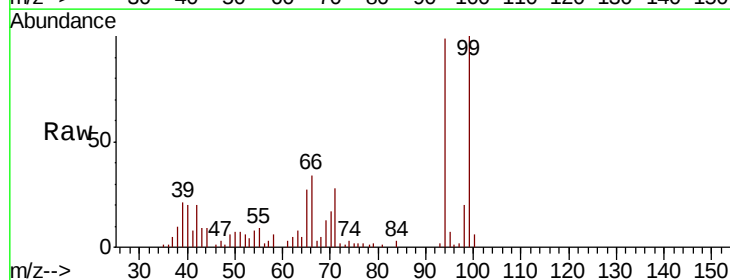
Tgt Ion: 93 Resp: 203

Ion Ratio Lower Upper

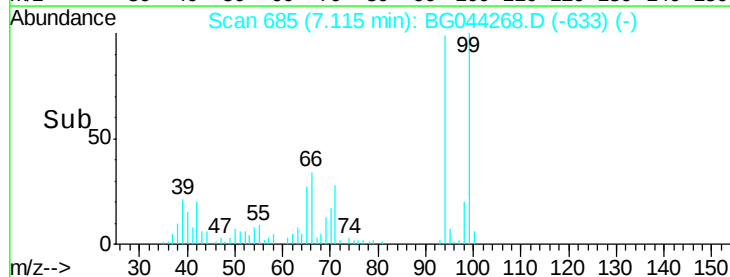
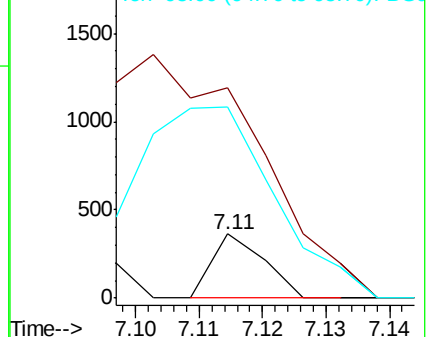
93 100

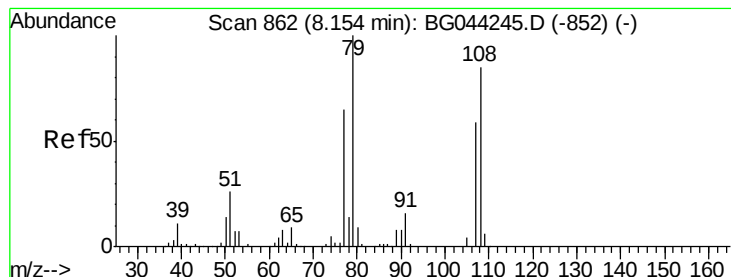
63 328.1 49.2 89.2#

95 298.3 13.6 53.6#



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC





#15

Benzyl Alcohol

Concen: 1.383 ng

RT: 8.24 min Scan# 876

Delta R.T. 0.08 min

Lab File: BG044268.D

Acq: 31 Jan 2020 20:23

Instrument :

BNA_G

ClientSampleId :

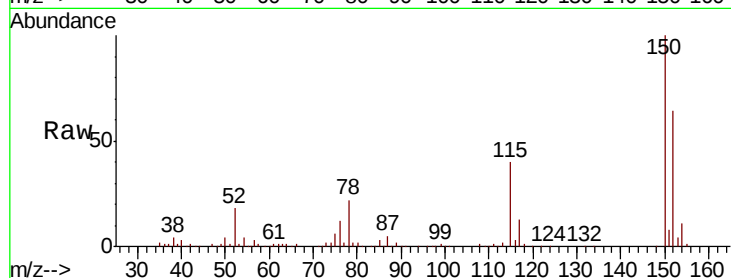
Tot Ion: 79 Resp: 5324

Ion Ratio Lower Upper

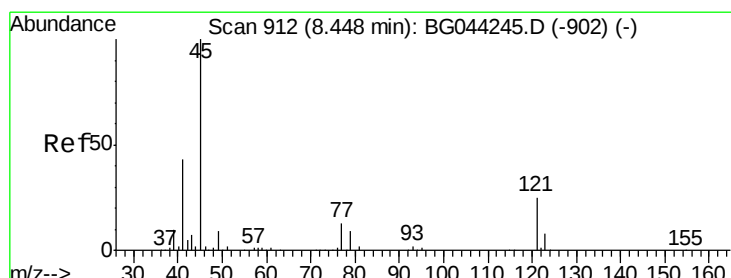
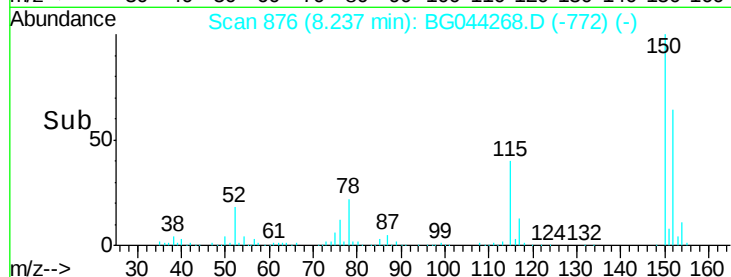
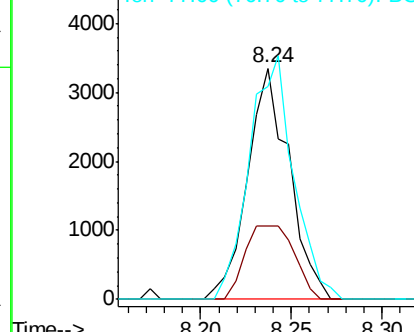
79 100

108 31.9 68.3 102.5#

77 92.1 51.8 77.8#



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: 0.009 ng

RT: 8.27 min Scan# 882

Delta R.T. -0.18 min

Lab File: BG044268.D

Acq: 31 Jan 2020 20:23

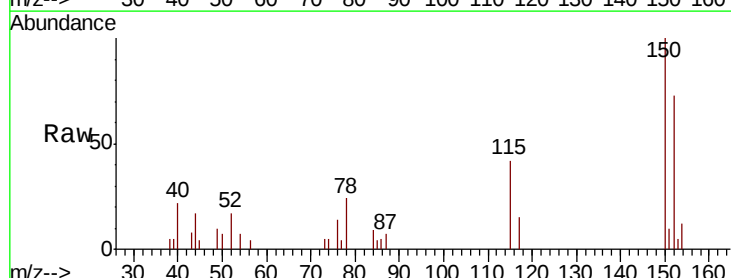
Tgt Ion: 45 Resp: 55

Ion Ratio Lower Upper

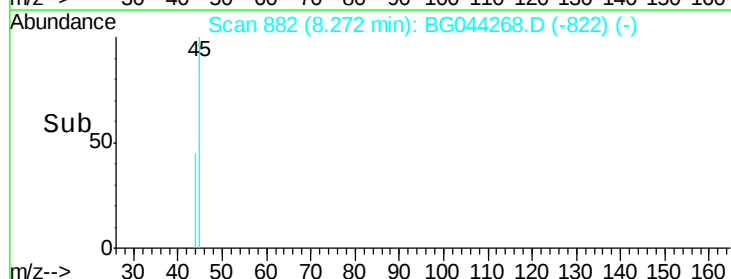
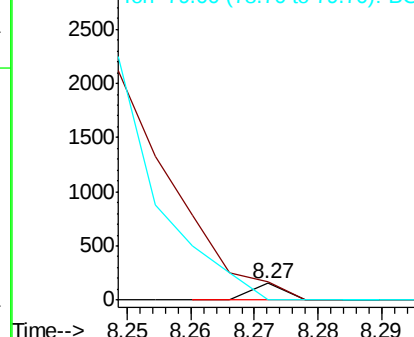
45 100

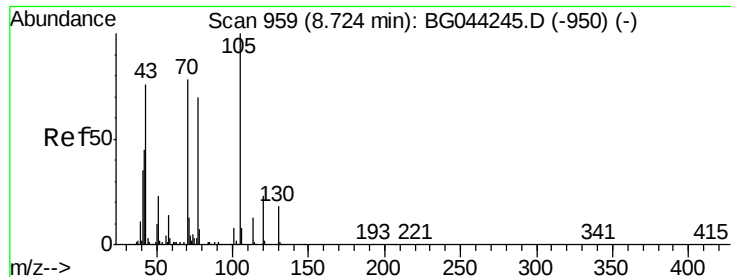
77 111.6 0.0 35.2#

79 0.0 0.0 31.1



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

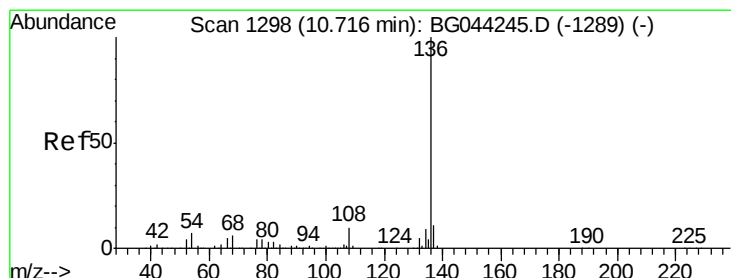
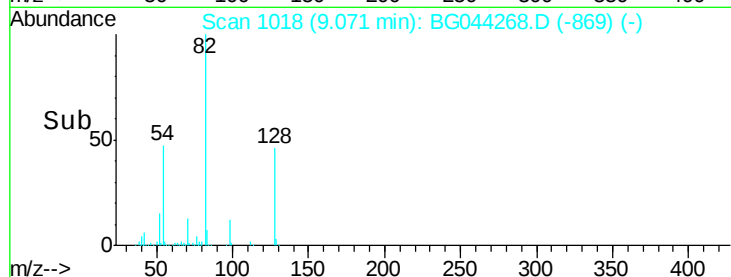
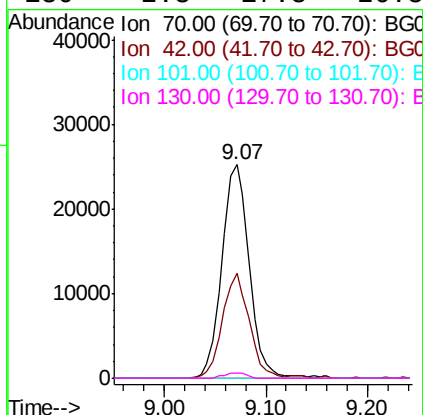
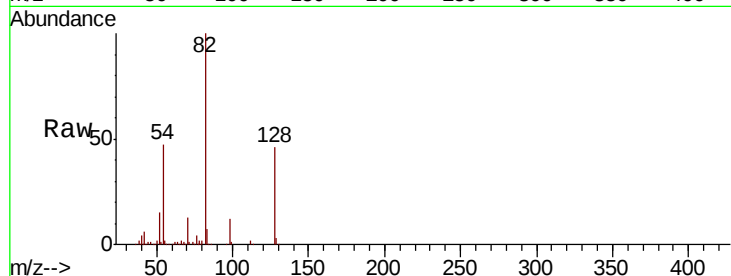




#19
n-Nitroso-di-n-propylamine
Concen: 13.047 ng
RT: 9.07 min Scan# 1018
Delta R.T. 0.35 min
Lab File: BG044268.D
Acq: 31 Jan 2020 20:23

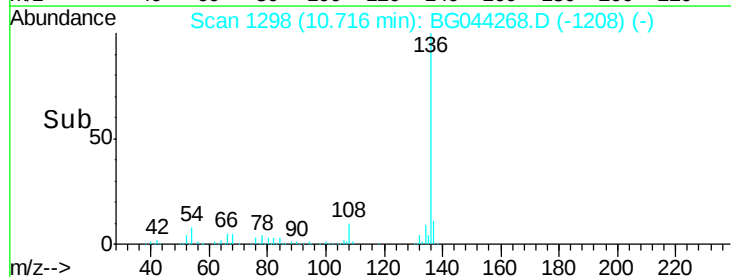
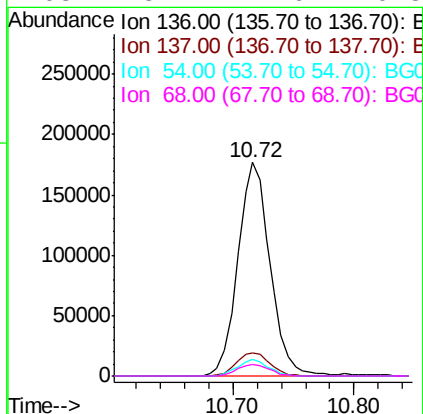
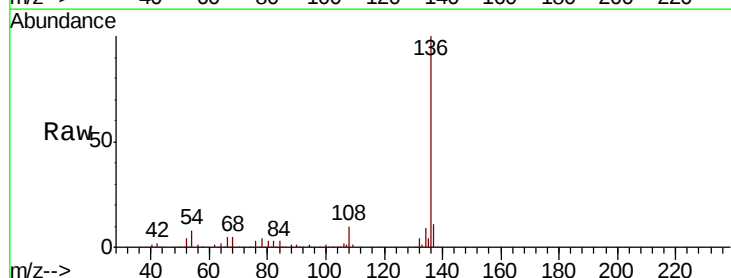
Instrument :
BNA_G
ClientSampleId :

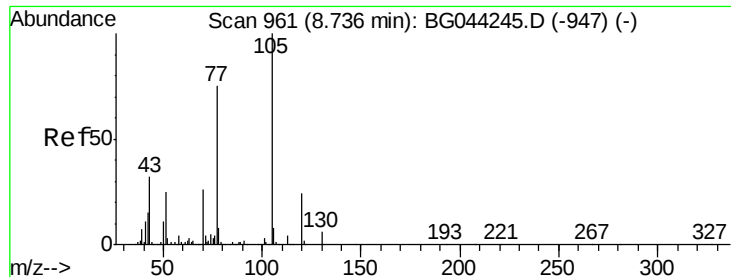
Tot Ion:	70	Resp:	47290
Ion	Ratio	Lower	Upper
70	100		
42	49.0	46.2	69.2
101	0.0	8.4	12.6#
130	2.3	17.8	26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.72 min Scan# 1298
Delta R.T. 0.00 min
Lab File: BG044268.D
Acq: 31 Jan 2020 20:23

Tgt Ion:	136	Resp:	328617
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.7	5.8	8.8
68	5.4	4.6	6.8





#22

Acetophenone

Concen: 0.017 ng

RT: 8.74 min Scan# 962

Delta R.T. 0.01 min

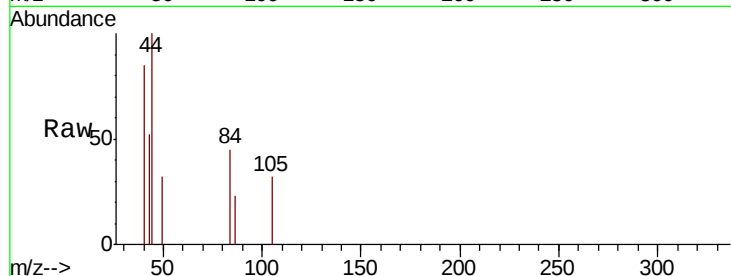
Lab File: BG044268.D

Acq: 31 Jan 2020 20:23

Instrument :

BNA_G

ClientSampleId :



Tot Ion: 105 Resp: 138

Ion Ratio Lower Upper

105 100

71 0.0 3.4 5.0#

51 0.0 20.2 30.4#

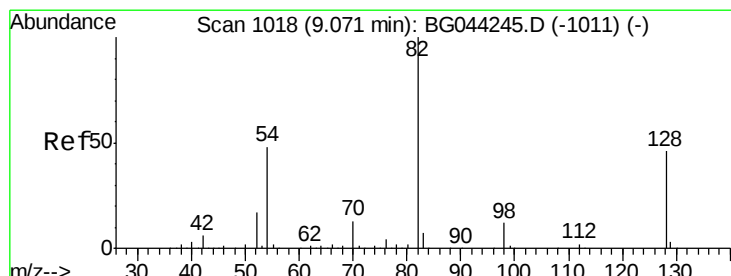
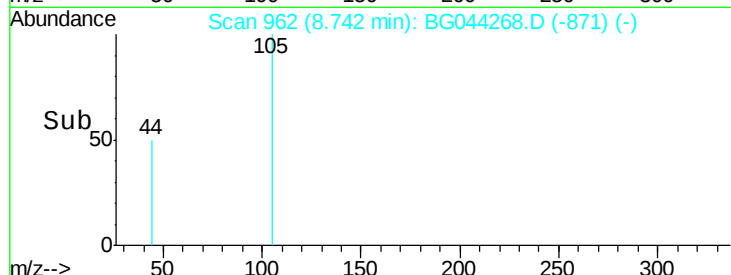
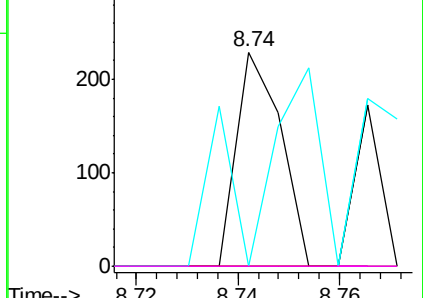
120 0.0 19.1 28.7#

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: 63.611 ng

RT: 9.07 min Scan# 1018

Delta R.T. 0.00 min

Lab File: BG044268.D

Acq: 31 Jan 2020 20:23

Tgt Ion: 82 Resp: 370261

Ion Ratio Lower Upper

82 100

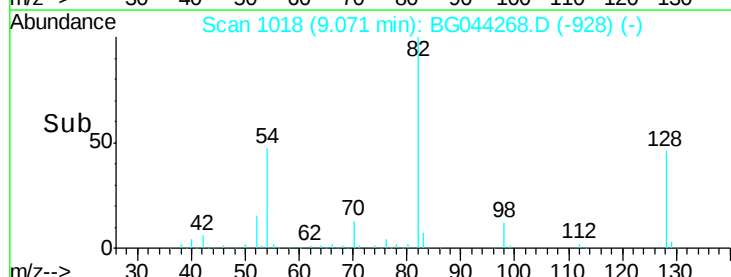
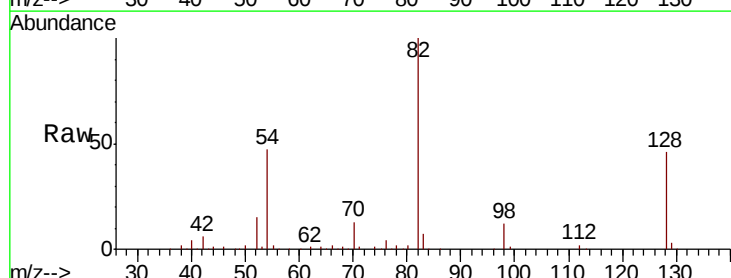
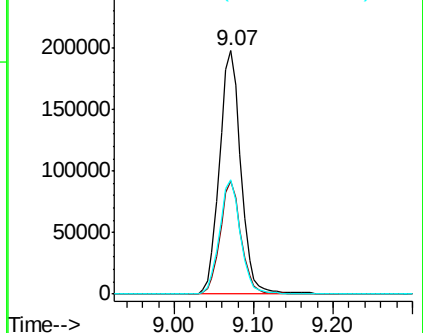
128 46.5 36.5 54.7

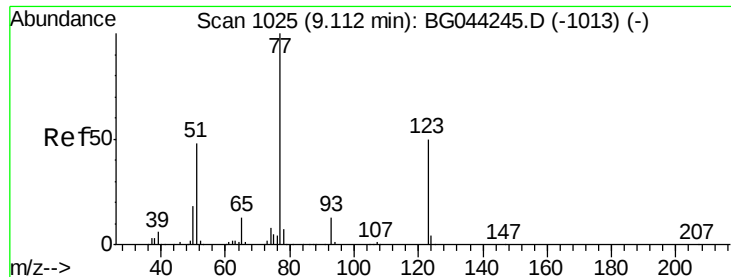
54 47.2 38.6 58.0

Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#24

Nitrobenzene

Concen: 0.234 ng

RT: 9.08 min Scan# 1019

Delta R.T. -0.04 min

Lab File: BG044268.D

Acq: 31 Jan 2020 20:23

Instrument :

BNA_G

ClientSampled :

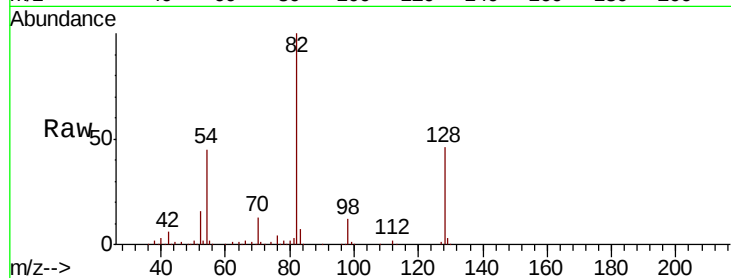
Tot Ion: 77 Resp: 1329

Ion Ratio Lower Upper

77 100

123 0.0 39.9 59.9#

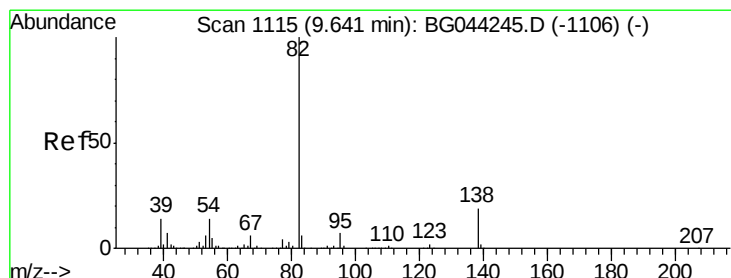
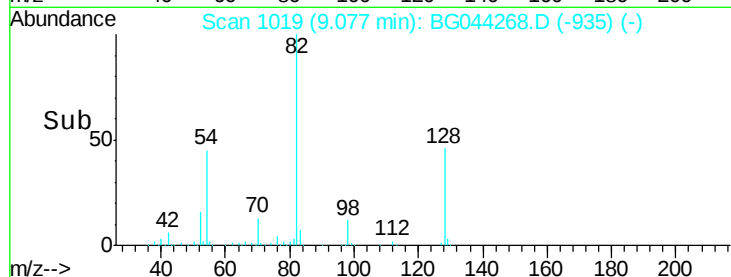
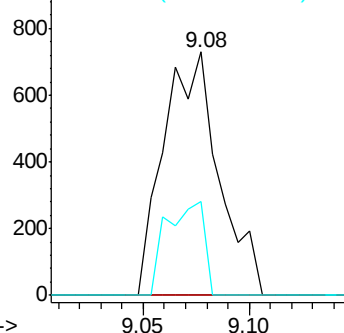
65 38.6 10.4 15.6#



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 123.00 (122.70 to 123.70): BGC

Ion 65.00 (64.70 to 65.70): BGC



#25

Isophorone

Concen: 0.012 ng

RT: 9.58 min Scan# 1105

Delta R.T. -0.06 min

Lab File: BG044268.D

Acq: 31 Jan 2020 20:23

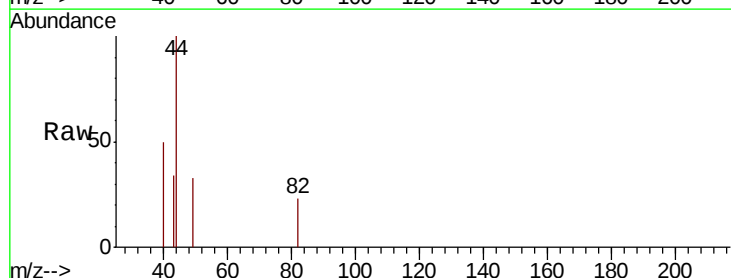
Tgt Ion: 82 Resp: 129

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

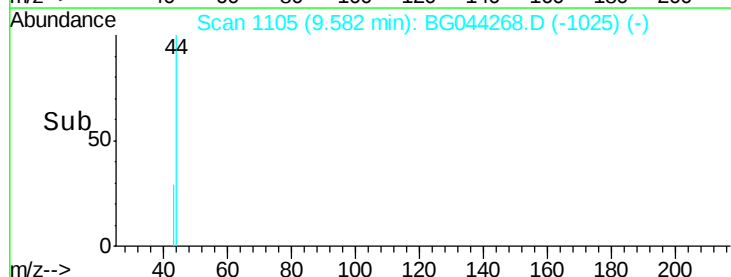
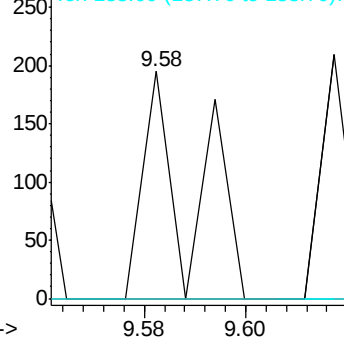
138 0.0 15.0 22.4#

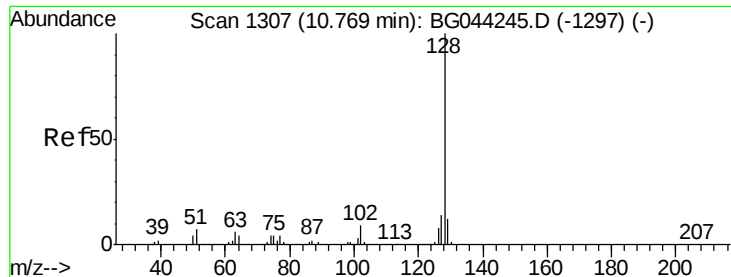


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 138.00 (137.70 to 138.70): BGC

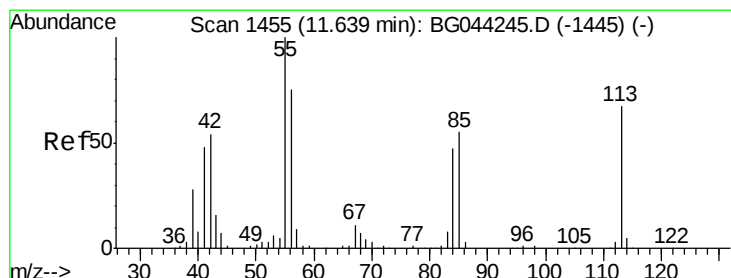
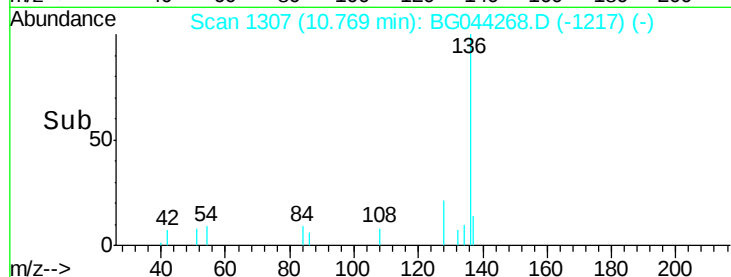
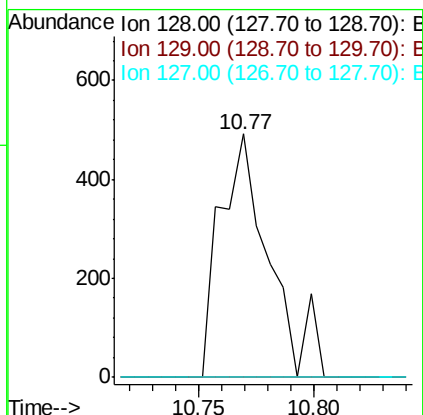
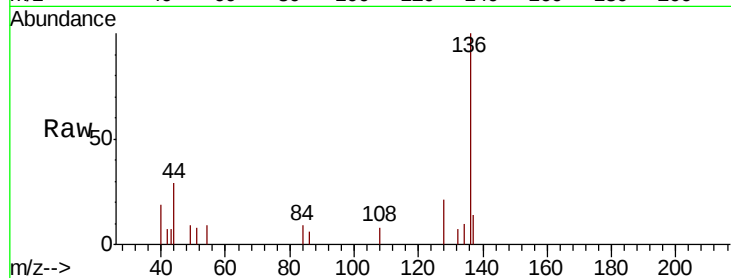




#31
Naphthalene
Concen: 0.046 ng
RT: 10.77 min Scan# 1307
Delta R.T. 0.00 min
Lab File: BG044268.D
Acq: 31 Jan 2020 20:23

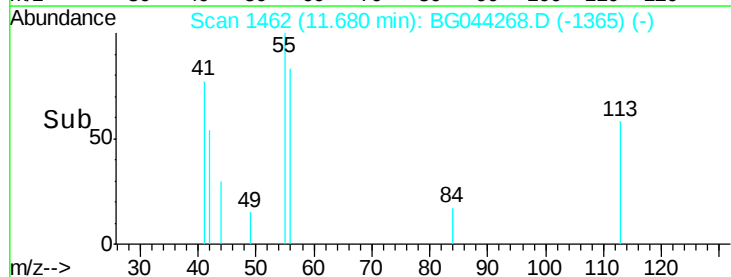
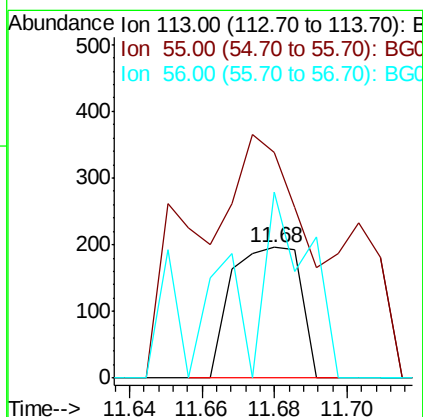
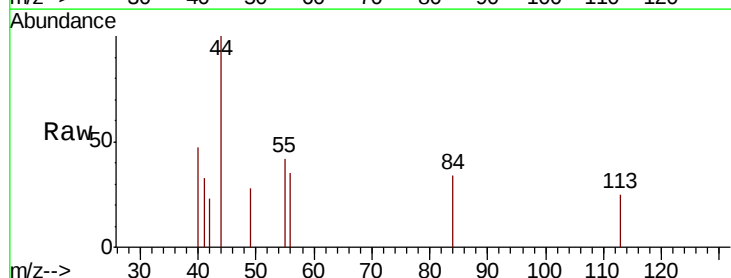
Instrument :
BNA_G
ClientSampleId :

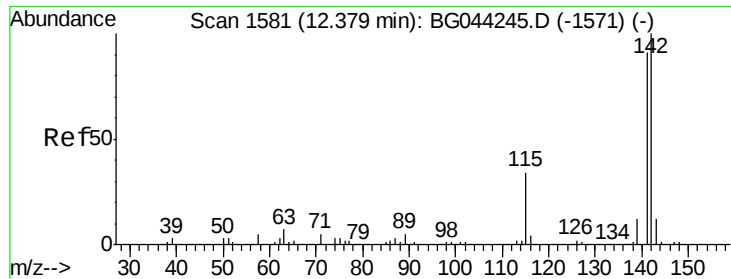
Tot Ion:128 Resp: 728
Ion Ratio Lower Upper
128 100
129 0.0 9.3 13.9#
127 0.0 11.6 17.4#



#35
Caprolactam
Concen: 0.142 ng
RT: 11.68 min Scan# 1462
Delta R.T. 0.04 min
Lab File: BG044268.D
Acq: 31 Jan 2020 20:23

Tgt Ion:113 Resp: 261
Ion Ratio Lower Upper
113 100
55 172.4 129.9 169.9#
56 142.3 92.5 132.5#

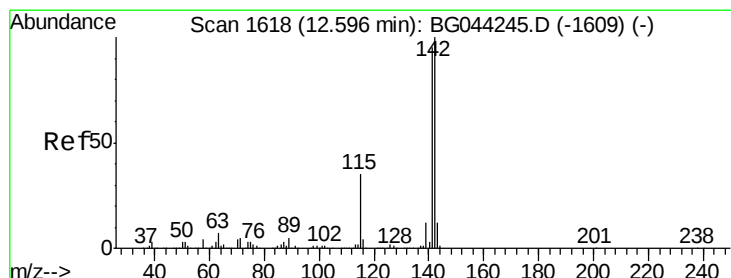
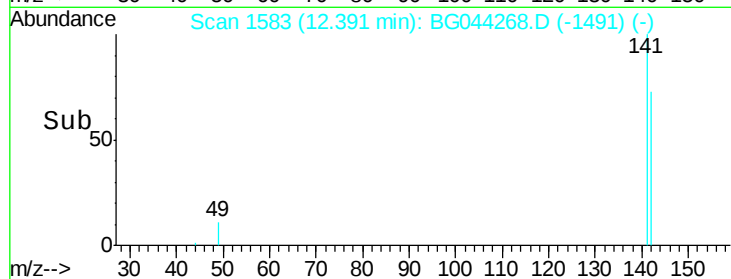
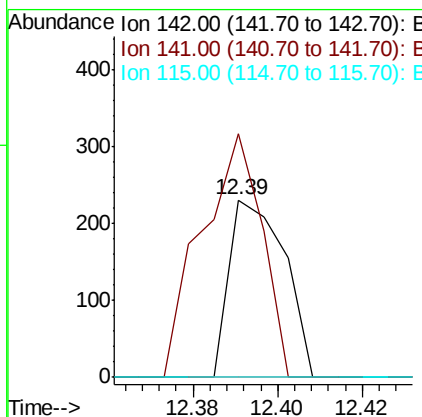
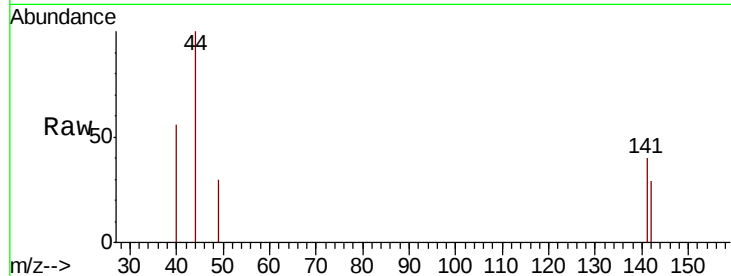




#37
 2-Methylnaphthalene
 Concen: 0.018 ng
 RT: 12.39 min Scan# 1583
 Delta R.T. 0.01 min
 Lab File: BG044268.D
 Acq: 31 Jan 2020 20:23

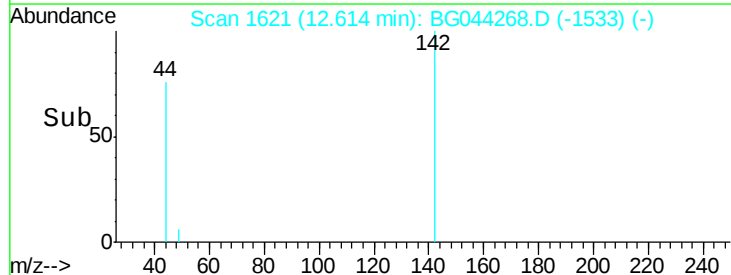
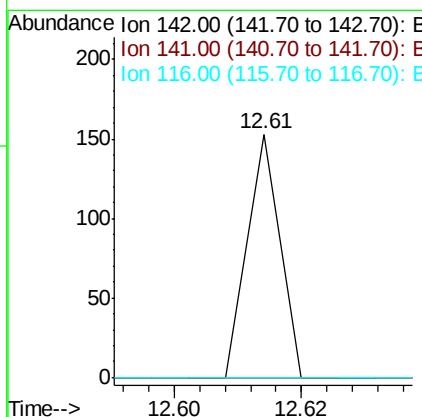
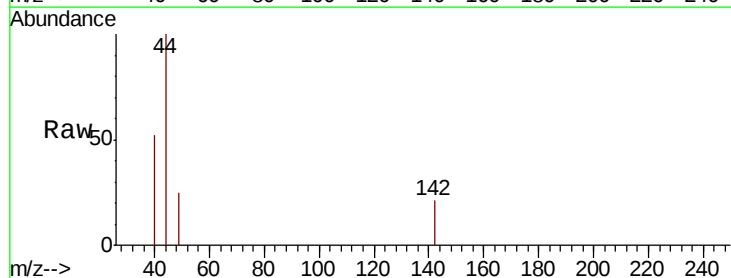
Instrument :
 BNA_G
 ClientSampleId :

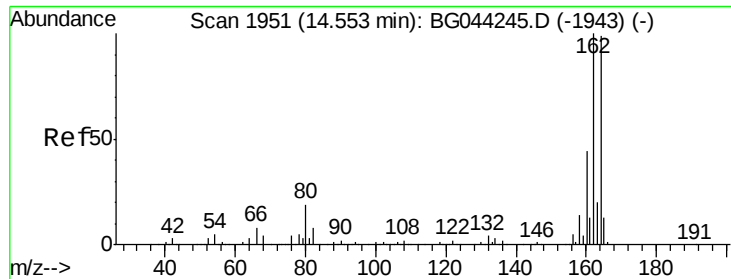
Tot Ion:142 Resp: 210
 Ion Ratio Lower Upper
 142 100
 141 137.2 73.2 109.8#
 115 0.0 27.1 40.7#



#38
 1-Methylnaphthalene
 Concen: 0.005 ng
 RT: 12.61 min Scan# 1621
 Delta R.T. 0.02 min
 Lab File: BG044268.D
 Acq: 31 Jan 2020 20:23

Tgt Ion:142 Resp: 54
 Ion Ratio Lower Upper
 142 100
 141 0.0 75.8 113.6#
 116 0.0 3.1 4.7#

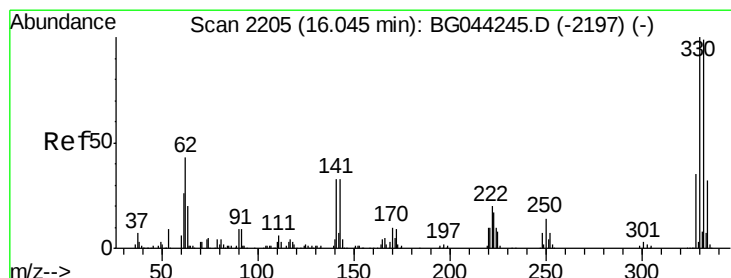
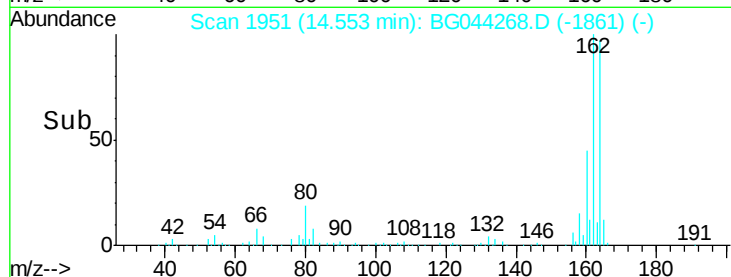
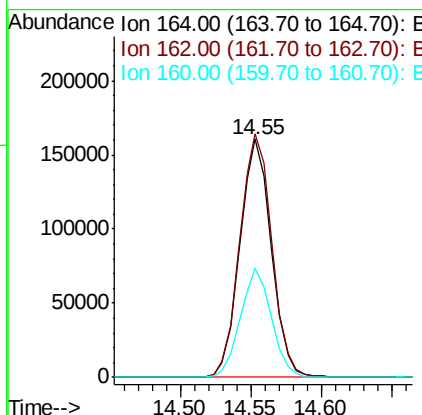
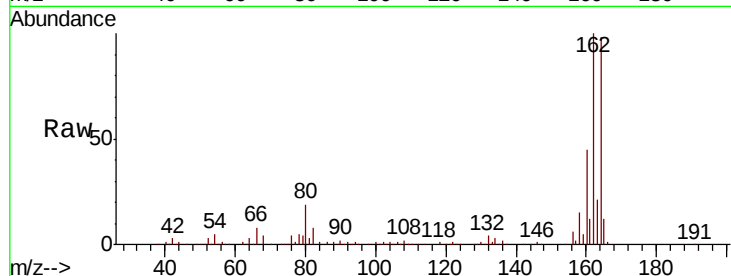




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.55 min Scan# 1951
Delta R.T. 0.00 min
Lab File: BG044268.D
Acq: 31 Jan 2020 20:23

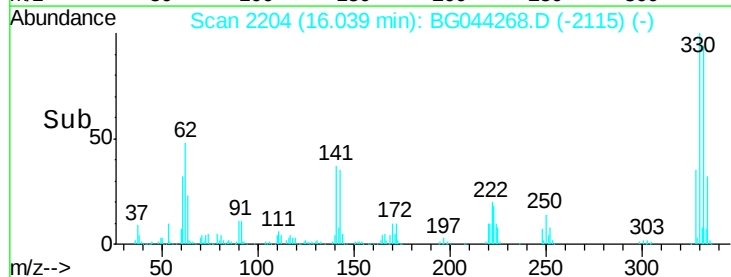
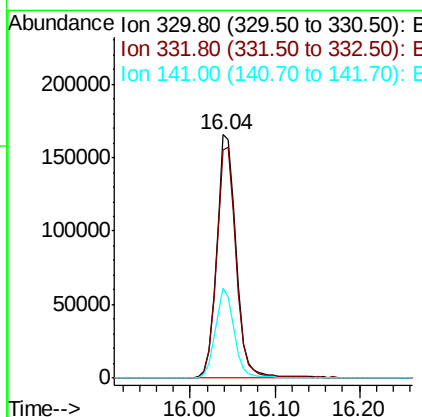
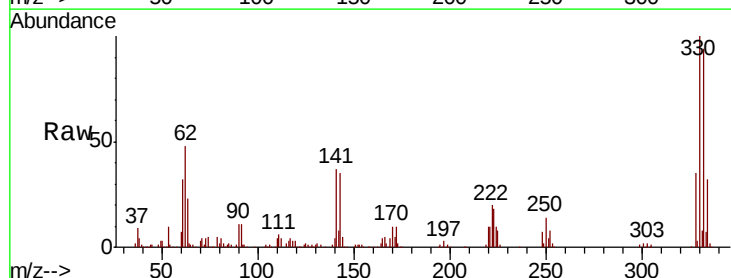
Instrument :
BNA_G
ClientSampleId :

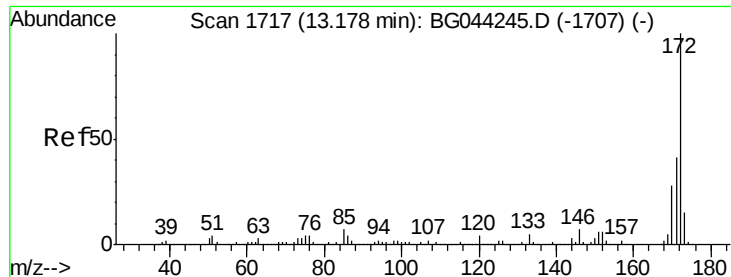
Tot Ion:164 Resp: 249604
Ion Ratio Lower Upper
164 100
162 102.4 80.7 121.1
160 45.8 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 91.926 ng
RT: 16.04 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BG044268.D
Acq: 31 Jan 2020 20:23

Tgt Ion:330 Resp: 269362
Ion Ratio Lower Upper
330 100
332 95.6 77.2 115.8
141 36.1 28.3 42.5

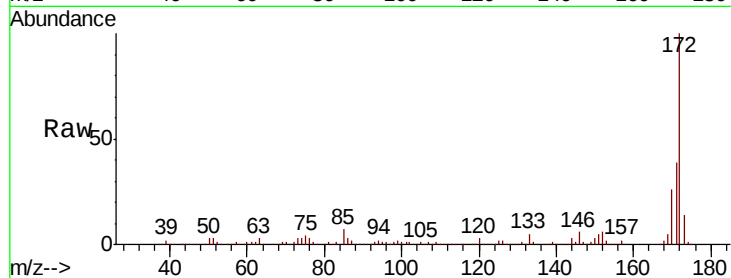




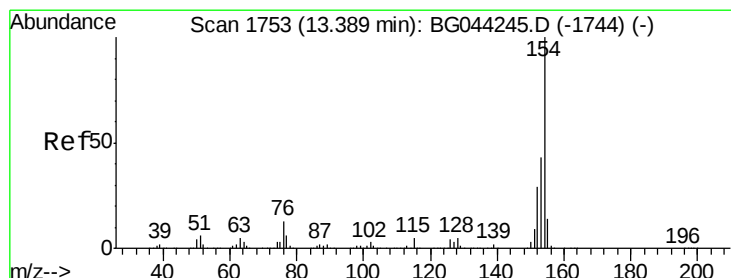
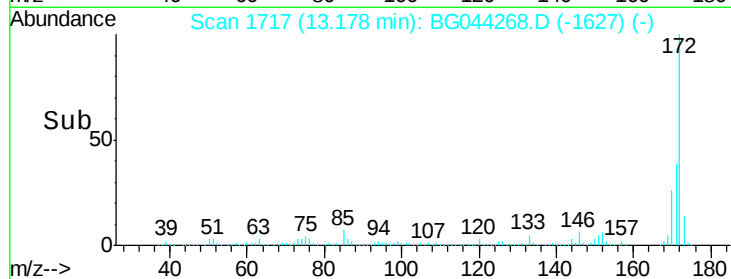
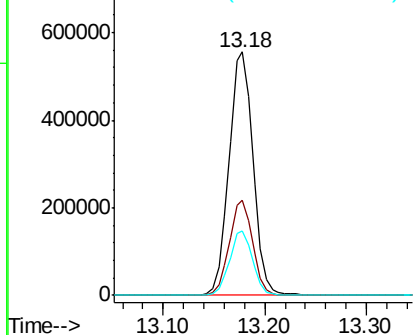
#45
2-Fluorobiphenyl
Concen: 61.258 ng
RT: 13.18 min Scan# 1717
Delta R.T. 0.00 min
Lab File: BG044268.D
Acq: 31 Jan 2020 20:23

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	39.1	32.9	49.3
170	26.3	22.0	33.0

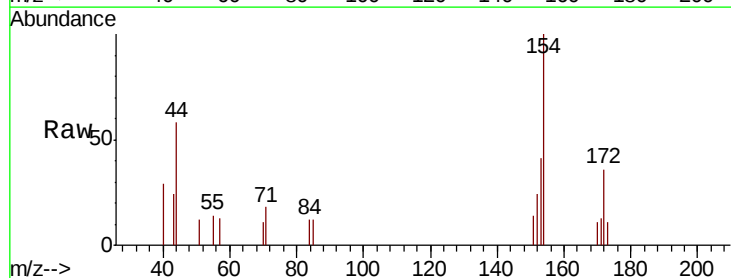


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

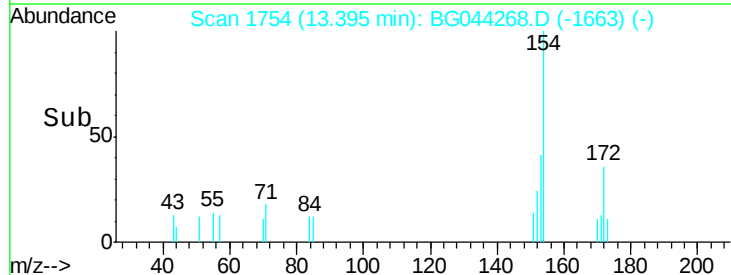
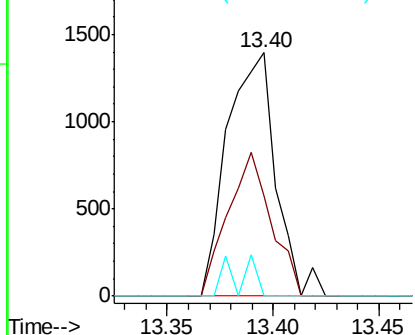


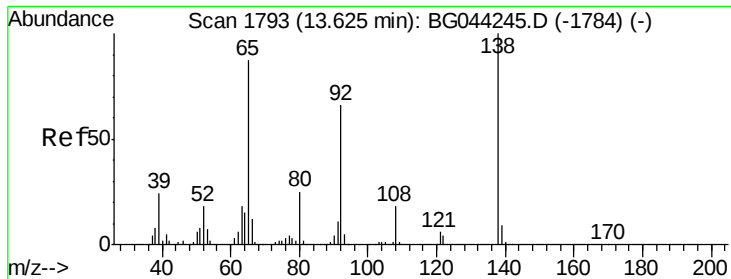
#46
1,1'-Biphenyl
Concen: 0.123 ng
RT: 13.40 min Scan# 1754
Delta R.T. 0.01 min
Lab File: BG044268.D
Acq: 31 Jan 2020 20:23

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.3	22.7	62.7
76	0.0	0.0	32.9



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BG0

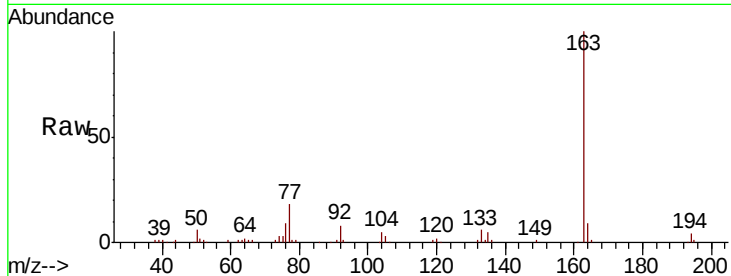




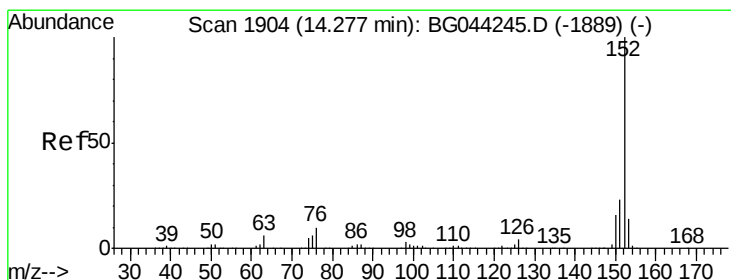
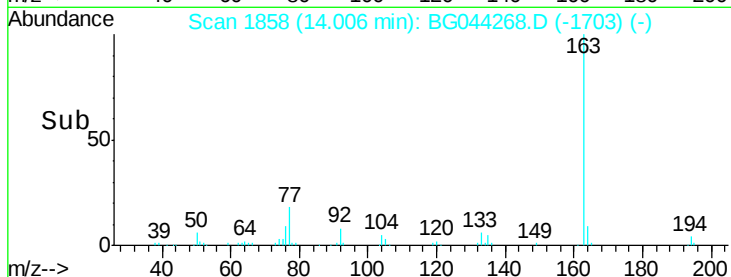
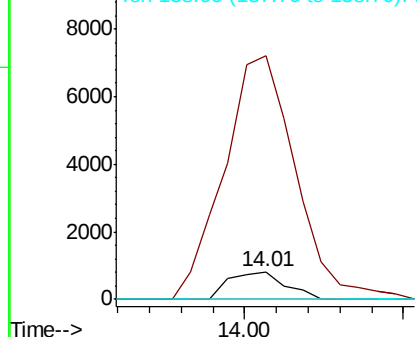
#48
2-Nitroaniline
Concen: 0.240 ng
RT: 14.01 min Scan# 1858
Delta R.T. 0.38 min
Lab File: BG044268.D
Acq: 31 Jan 2020 20:23

Instrument :
BNA_G
ClientSampled :

Tot Ion: 65 Resp: 1015
Ion Ratio Lower Upper
65 100
92 875.9 60.3 90.5#
138 0.0 91.9 137.9#

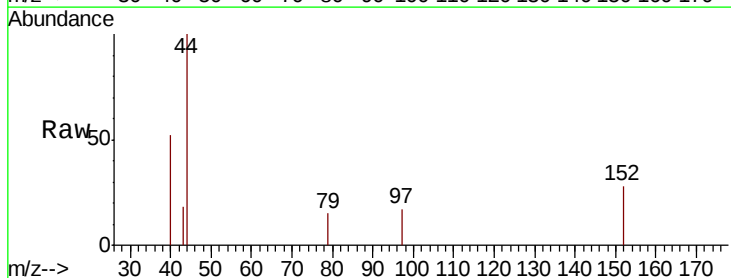


Abundance Ion 65.00 (64.70 to 65.70): BG
Ion 92.00 (91.70 to 92.70): BG
Ion 138.00 (137.70 to 138.70): E

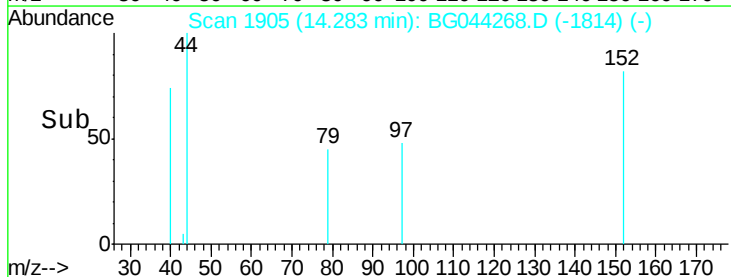
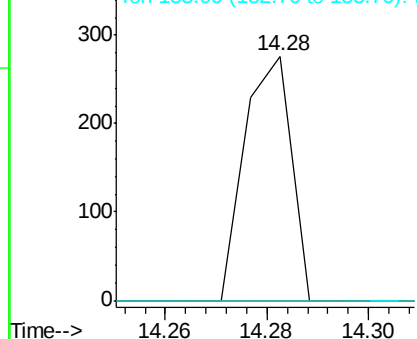


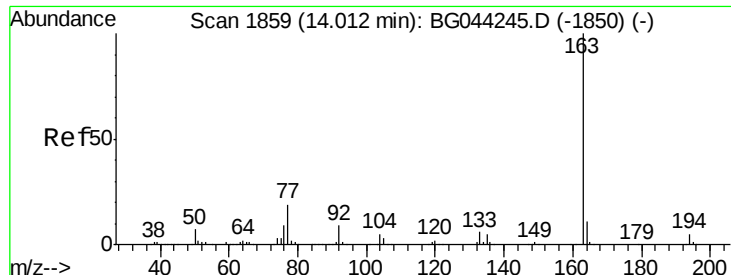
#49
Acenaphthylene
Concen: 0.008 ng
RT: 14.28 min Scan# 1905
Delta R.T. 0.01 min
Lab File: BG044268.D
Acq: 31 Jan 2020 20:23

Tgt Ion: 152 Resp: 178
Ion Ratio Lower Upper
152 100
151 0.0 18.1 27.1#
153 0.0 11.5 17.3#



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: 7.685 ng

RT: 14.01 min Scan# 1858

Delta R.T. -0.01 min

Lab File: BG044268.D

Acq: 31 Jan 2020 20:23

Instrument :

BNA_G

ClientSampled :

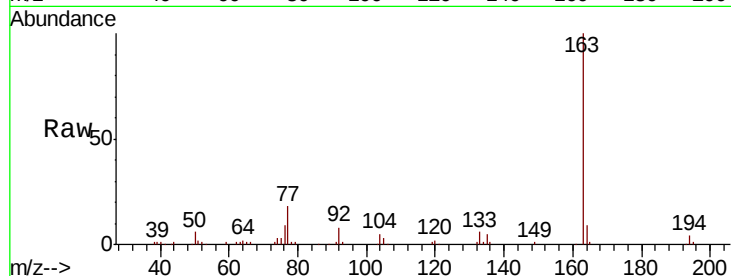
Tot Ion:163 Resp: 137882

Ion Ratio Lower Upper

163 100

194 4.4 3.6 5.4

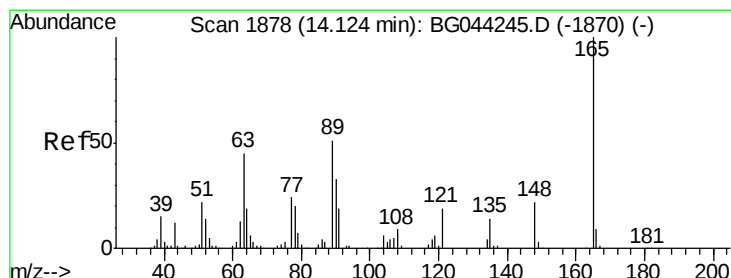
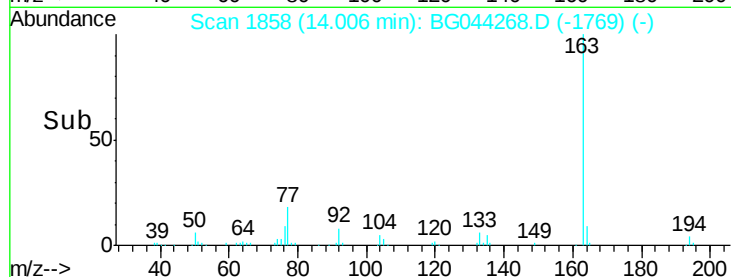
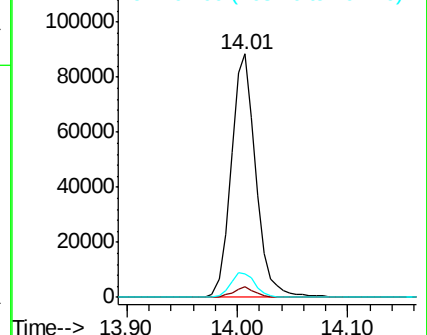
164 9.5 8.7 13.1



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: 0.370 ng

RT: 14.00 min Scan# 1857

Delta R.T. -0.12 min

Lab File: BG044268.D

Acq: 31 Jan 2020 20:23

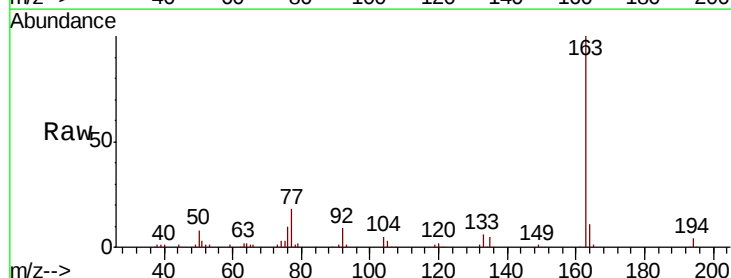
Tgt Ion:165 Resp: 1481

Ion Ratio Lower Upper

165 100

63 151.9 38.7 58.1#

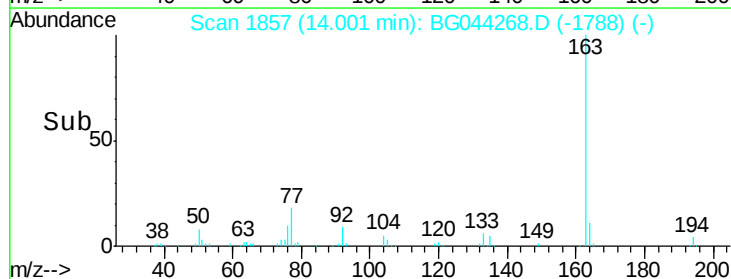
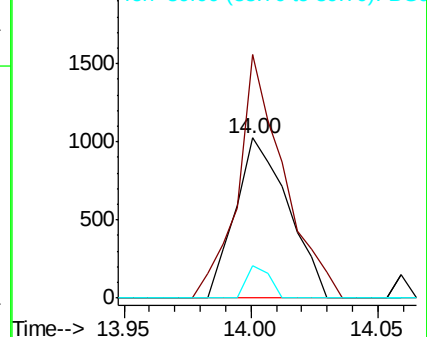
89 20.5 40.4 60.6#

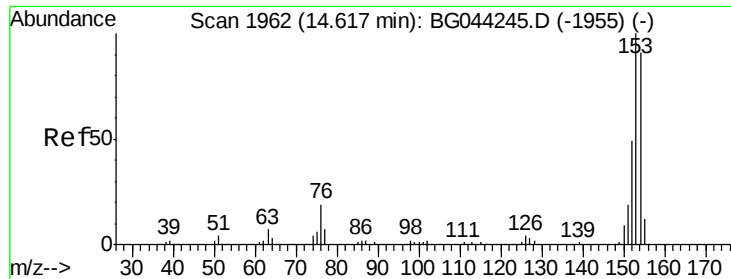


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#52

Acenaphthene

Concen: 0.078 ng

RT: 14.55 min Scan# 1950

Delta R.T. -0.07 min

Lab File: BG044268.D

Acq: 31 Jan 2020 20:23

Instrument :

BNA_G

ClientSampleId :

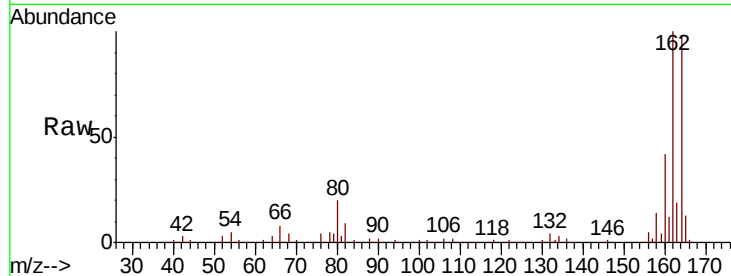
Tot Ion:154 Resp: 1069

Ion Ratio Lower Upper

154 100

153 0.0 87.9 131.9#

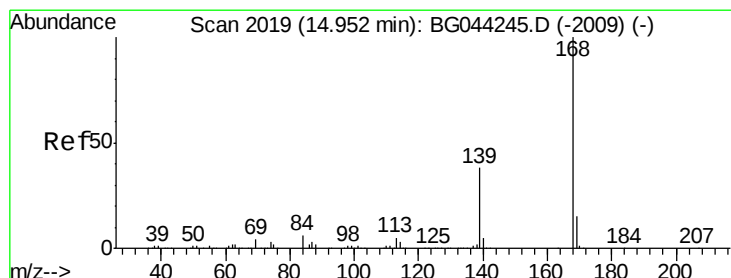
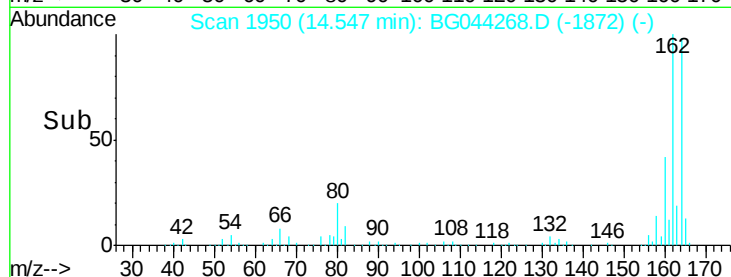
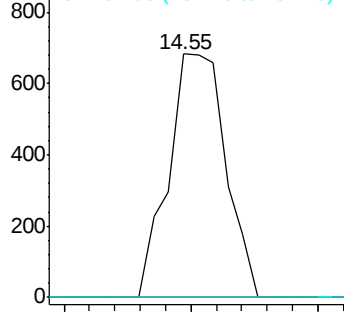
152 0.0 43.1 64.7#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 0.003 ng

RT: 14.95 min Scan# 2019

Delta R.T. 0.00 min

Lab File: BG044268.D

Acq: 31 Jan 2020 20:23

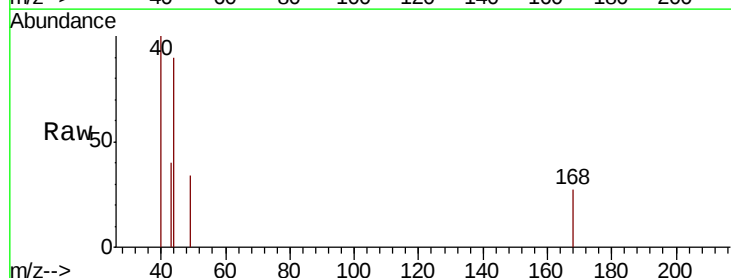
Tgt Ion:168 Resp: 64

Ion Ratio Lower Upper

168 100

139 0.0 30.5 45.7#

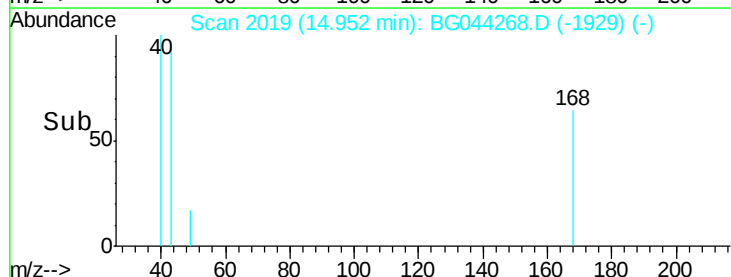
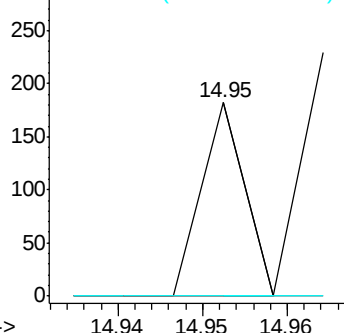
169 0.0 11.7 17.5#

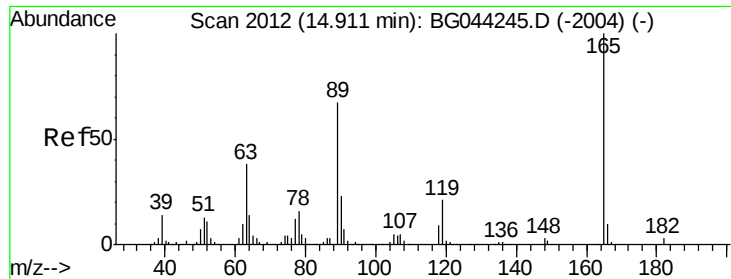


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

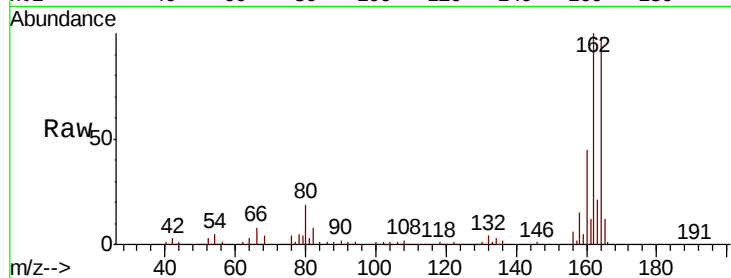




#57
2,4-Dinitrotoluene
Concen: 5.717 ng
RT: 14.55 min Scan# 1951
Delta R.T. -0.36 min
Lab File: BG044268.D
Acq: 31 Jan 2020 20:23

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.8	30.3	45.5#
89	1.3	53.4	80.2#
182	0.0	2.1	3.1#



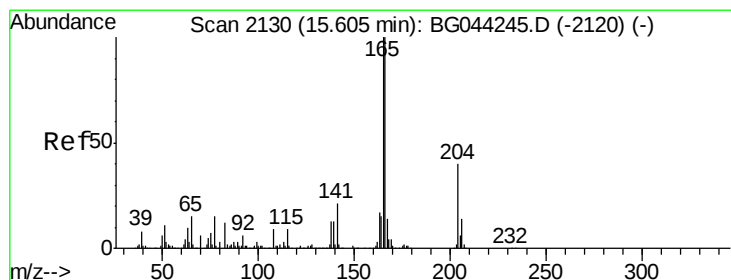
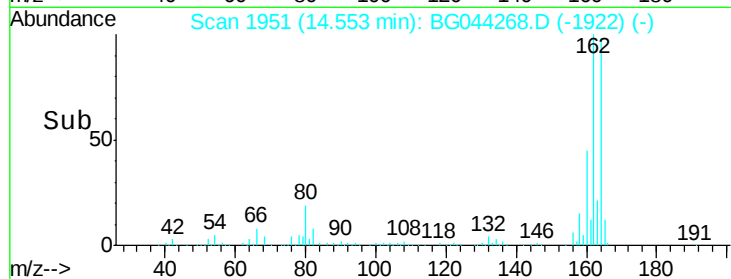
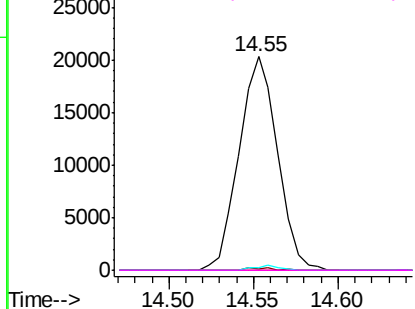
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

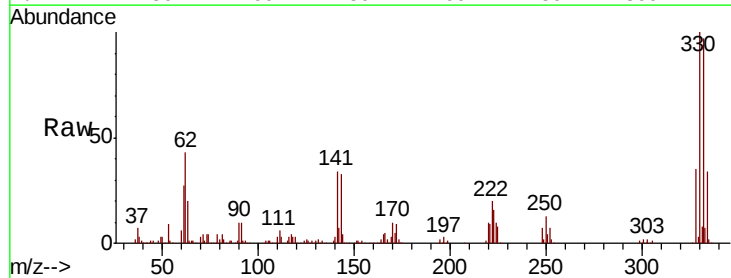
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#58
Fluorene
Concen: 0.766 ng
RT: 16.05 min Scan# 2205
Delta R.T. 0.44 min
Lab File: BG044268.D
Acq: 31 Jan 2020 20:23

Tgt Ion	Ratio	Lower	Upper
166	100		
165	93.6	79.9	119.9
167	32.7	11.4	17.0#

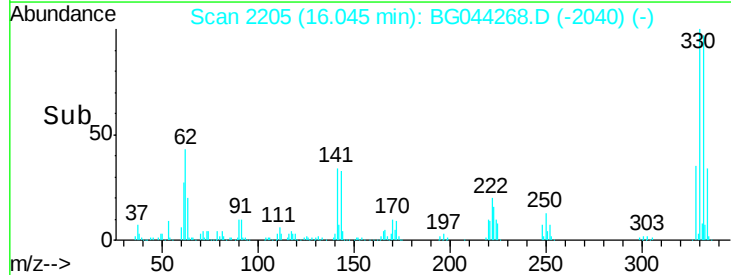
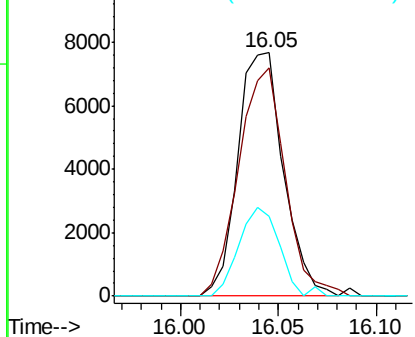


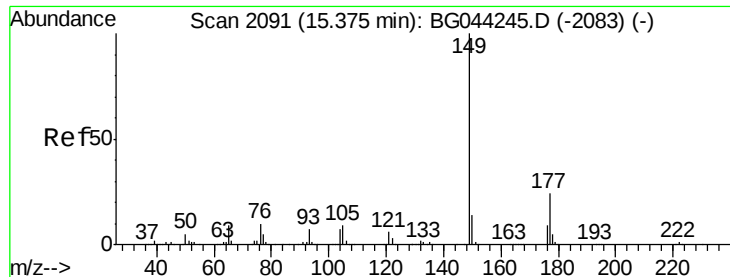
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

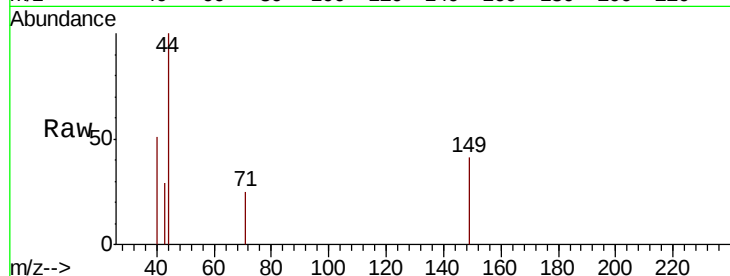




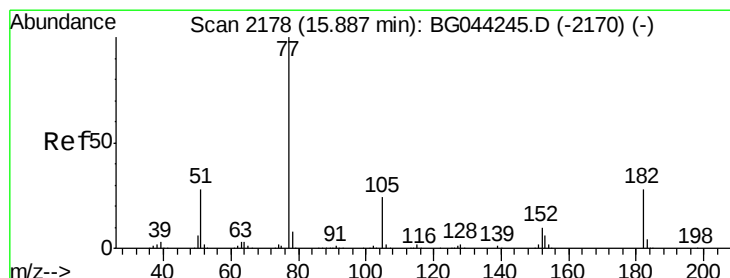
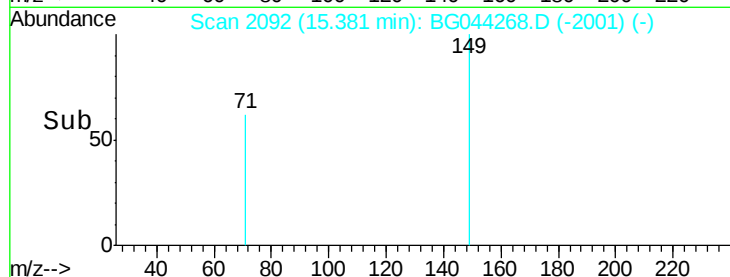
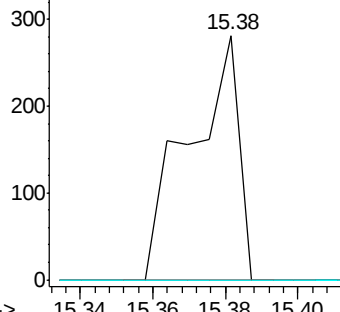
#60
Diethylphthalate
Concen: 0.015 ng
RT: 15.38 min Scan# 2092
Delta R.T. 0.01 min
Lab File: BG044268.D
Acq: 31 Jan 2020 20:23

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
149	100		
177	0.0	19.4	29.0#
150	0.0	10.9	16.3#

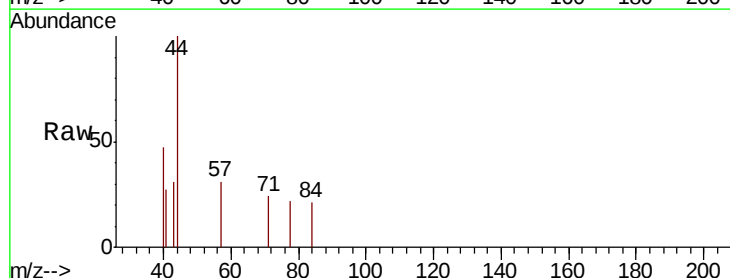


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

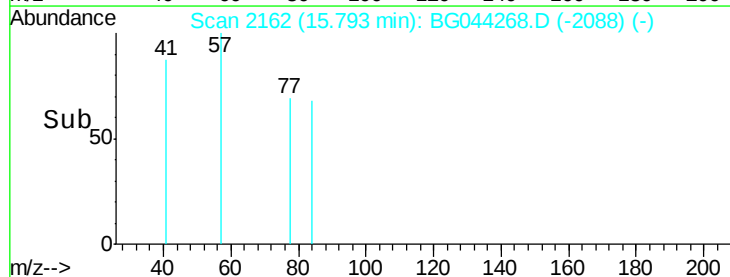
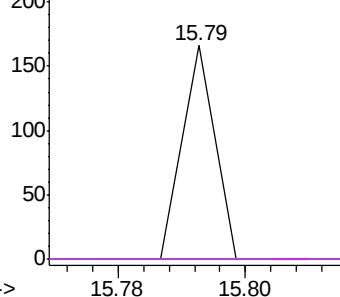


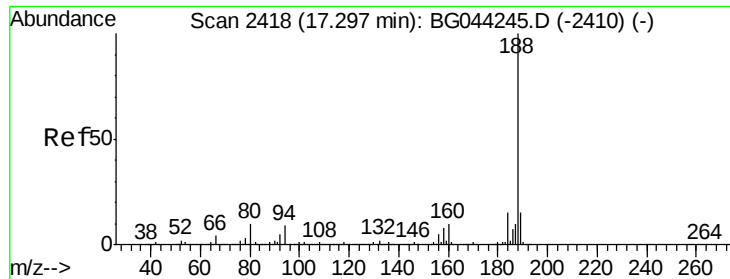
#63
Azobenzene
Concen: 0.004 ng
RT: 15.79 min Scan# 2162
Delta R.T. -0.09 min
Lab File: BG044268.D
Acq: 31 Jan 2020 20:23

Tgt Ion	Ratio	Lower	Upper
77	100		
182	0.0	8.2	48.2#
105	0.0	3.6	43.6#
51	0.0	8.3	48.3#



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.30 min Scan# 2418

Delta R.T. 0.00 min

Lab File: BG044268.D

Acq: 31 Jan 2020 20:23

Instrument :

BNA_G

ClientSampleId :

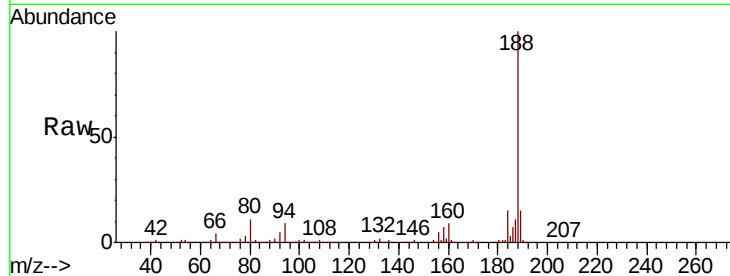
Tot Ion:188 Resp: 534862

Ion Ratio Lower Upper

188 100

94 9.2 7.4 11.2

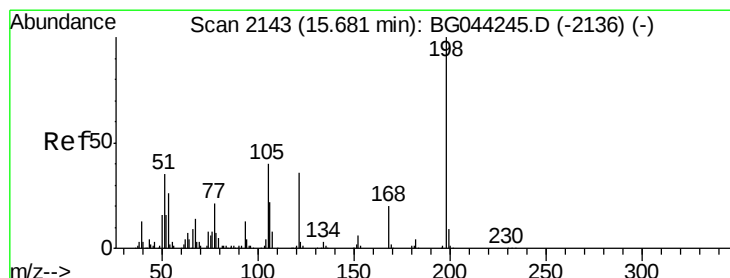
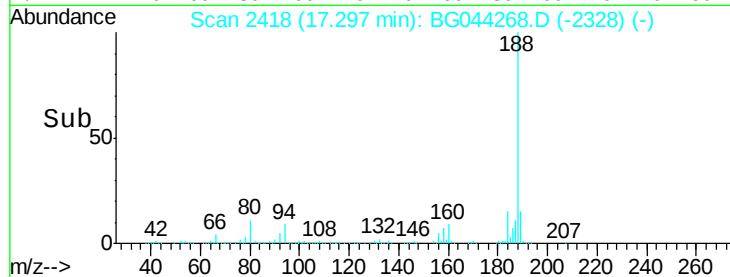
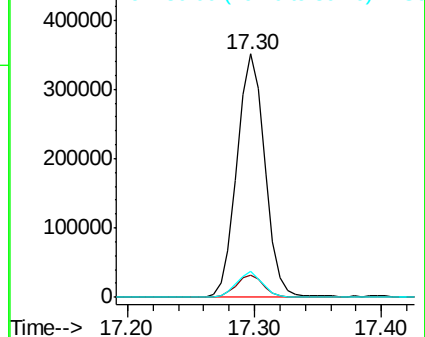
80 10.6 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

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: 0.174 ng

RT: 16.05 min Scan# 2206

Delta R.T. 0.37 min

Lab File: BG044268.D

Acq: 31 Jan 2020 20:23

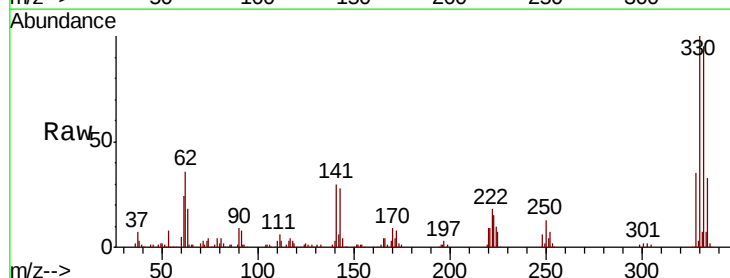
Tgt Ion:198 Resp: 513

Ion Ratio Lower Upper

198 100

51 143.7 16.6 56.6#

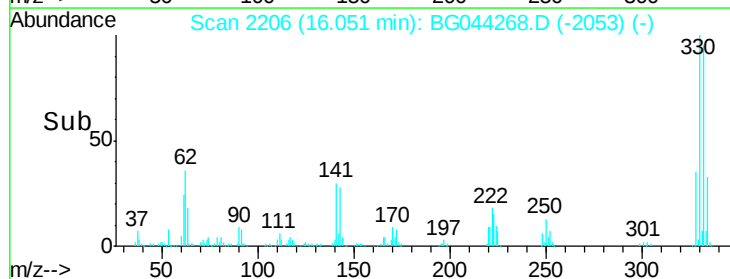
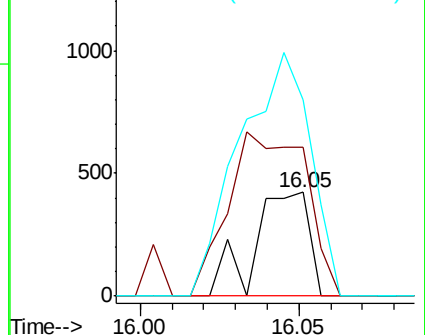
105 189.4 20.6 60.6#

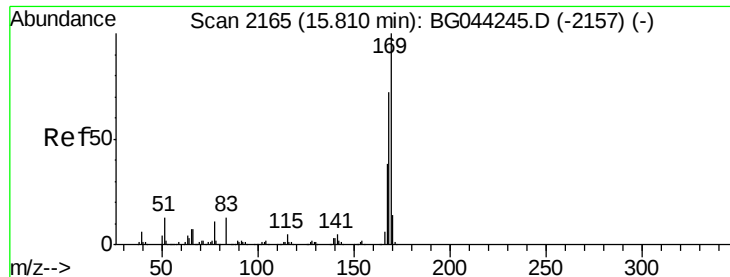


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

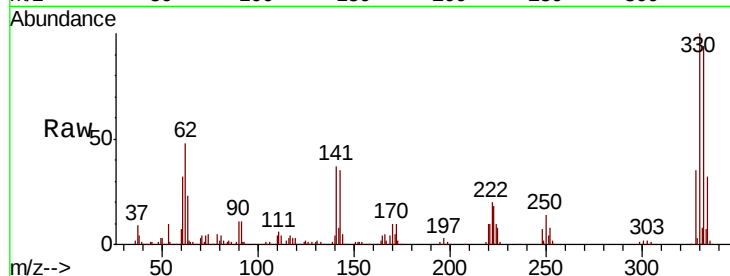




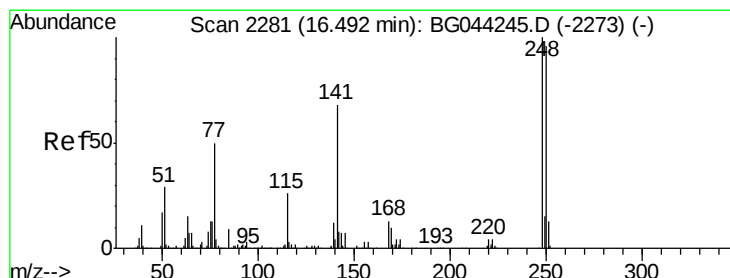
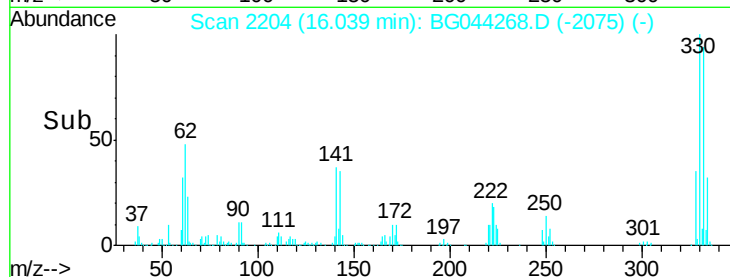
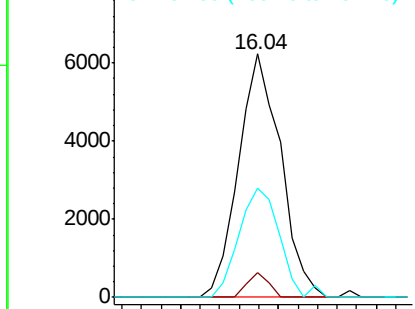
#66
 n-Nitrosodiphenylamine
 Concen: 0.622 ng
 RT: 16.04 min Scan# 2204
 Delta R.T. 0.23 min
 Lab File: BG044268.D
 Acq: 31 Jan 2020 20:23

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:169 Resp: 9321
 Ion Ratio Lower Upper
 169 100
 168 10.4 57.9 86.9#
 167 45.0 30.7 46.1

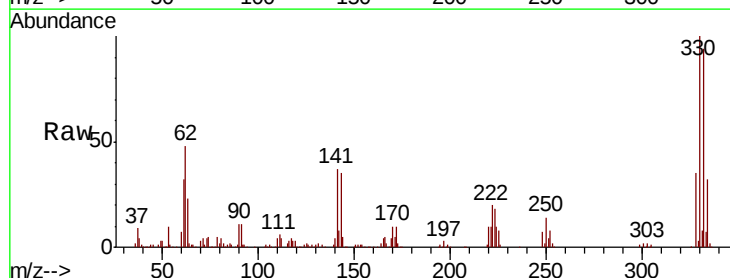


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

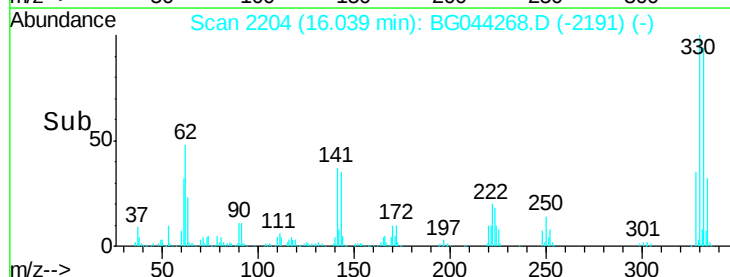
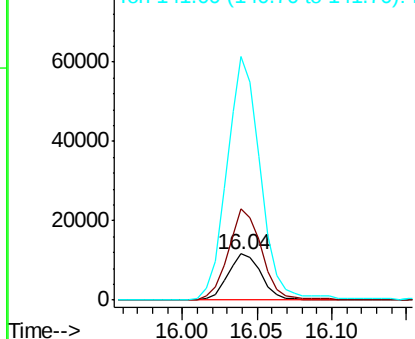


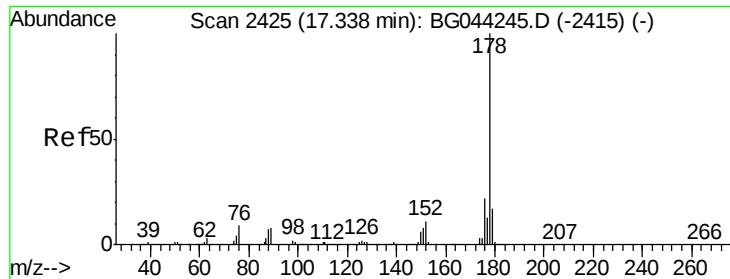
#67
 4-Bromophenyl-phenylether
 Concen: 3.137 ng
 RT: 16.04 min Scan# 2204
 Delta R.T. -0.45 min
 Lab File: BG044268.D
 Acq: 31 Jan 2020 20:23

Tgt Ion:248 Resp: 18278
 Ion Ratio Lower Upper
 248 100
 250 196.0 76.6 114.8#
 141 525.2 54.7 82.1#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

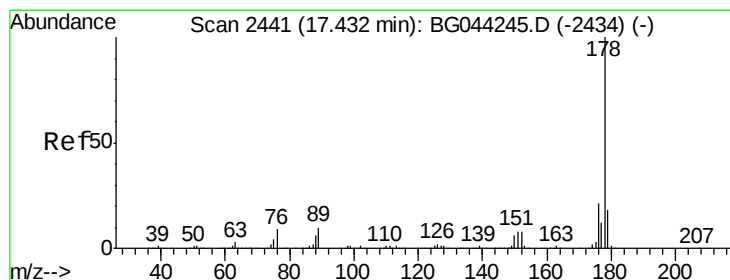
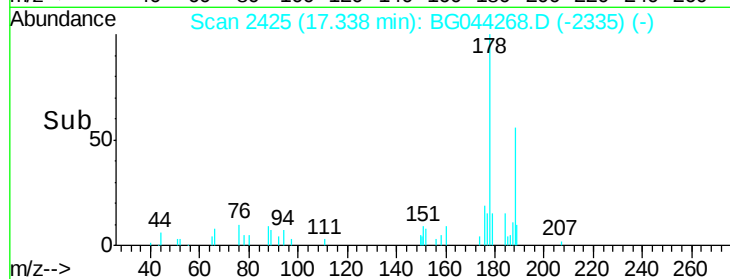
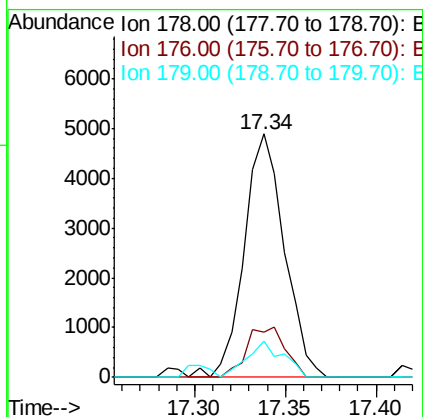
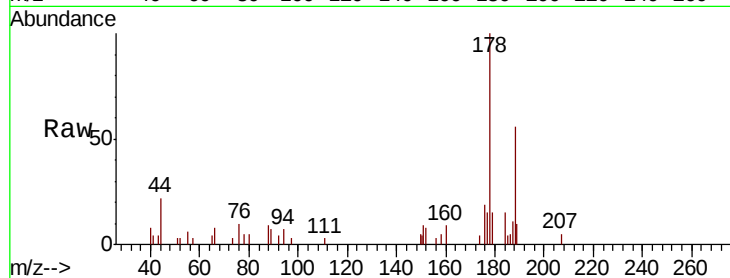




#71
Phenanthrene
Concen: 0.290 ng
RT: 17.34 min Scan# 2425
Delta R.T. 0.00 min
Lab File: BG044268.D
Acq: 31 Jan 2020 20:23

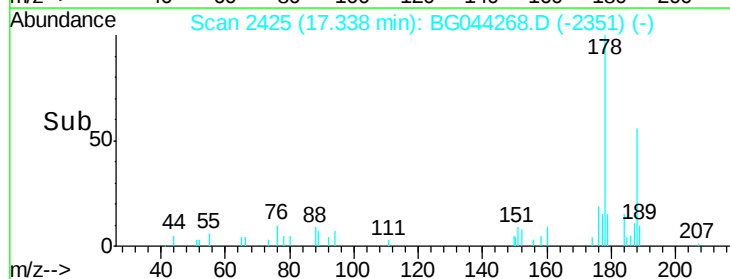
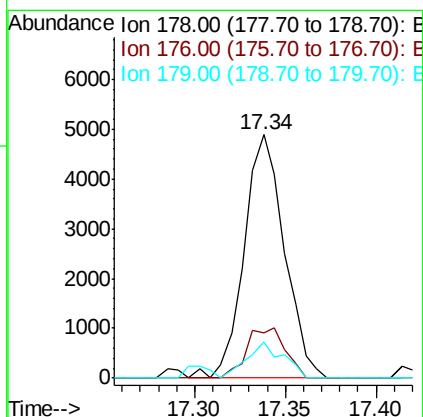
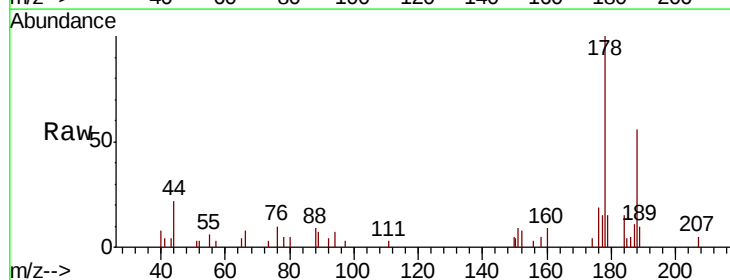
Instrument :
BNA_G
ClientSampleId :

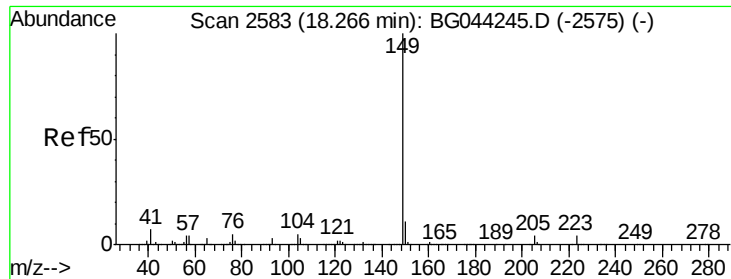
Tot Ion:178 Resp: 7514
Ion Ratio Lower Upper
178 100
176 18.8 17.7 26.5
179 14.7 13.7 20.5



#72
Anthracene
Concen: 0.293 ng
RT: 17.34 min Scan# 2425
Delta R.T. -0.09 min
Lab File: BG044268.D
Acq: 31 Jan 2020 20:23

Tgt Ion:178 Resp: 7514
Ion Ratio Lower Upper
178 100
176 18.8 17.0 25.4
179 14.7 14.4 21.6





#74

Di-n-butylphthalate

Concen: 0.022 ng

RT: 18.27 min Scan# 2583

Delta R.T. 0.00 min

Lab File: BG044268.D

Acq: 31 Jan 2020 20:23

Instrument :

BNA_G

ClientSampleId :

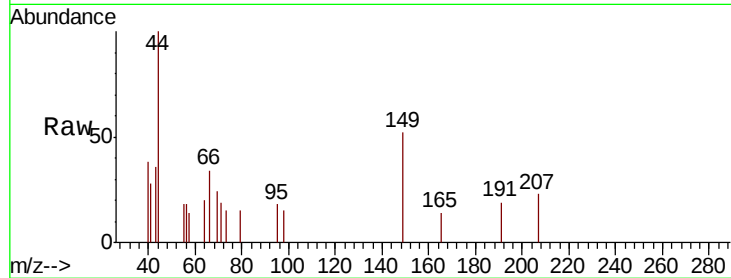
Tot Ion:149 Resp: 643

Ion Ratio Lower Upper

149 100

150 0.0 8.7 13.1#

104 0.0 4.3 6.5#



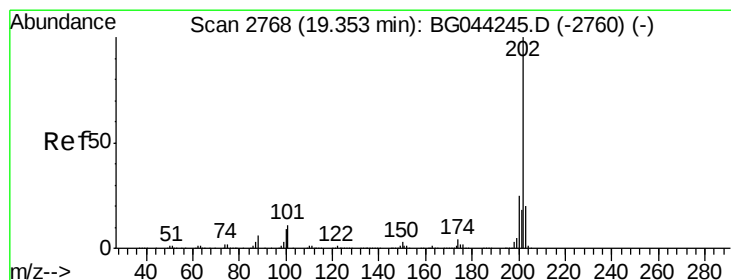
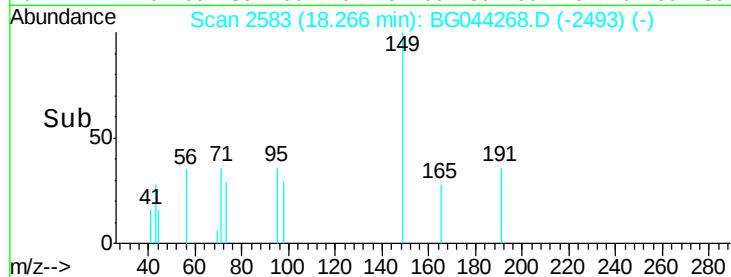
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

18.27

Time-->



#75

Fluoranthene

Concen: 0.473 ng

RT: 19.35 min Scan# 2767

Delta R.T. -0.01 min

Lab File: BG044268.D

Acq: 31 Jan 2020 20:23

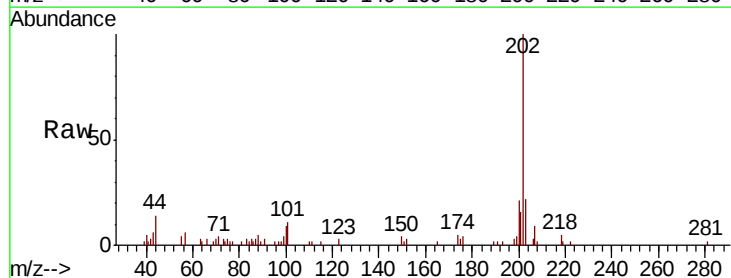
Tgt Ion:202 Resp: 14158

Ion Ratio Lower Upper

202 100

101 11.2 0.0 31.3

203 22.1 0.0 39.9



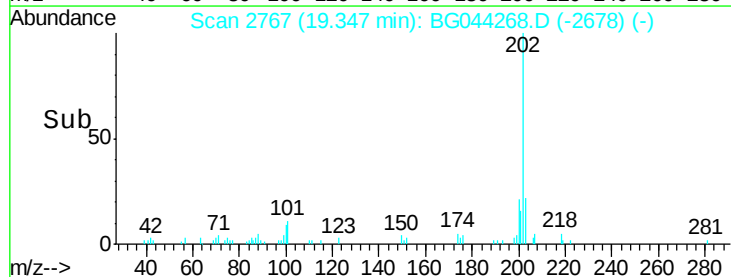
Abundance Ion 202.00 (201.70 to 202.70): E

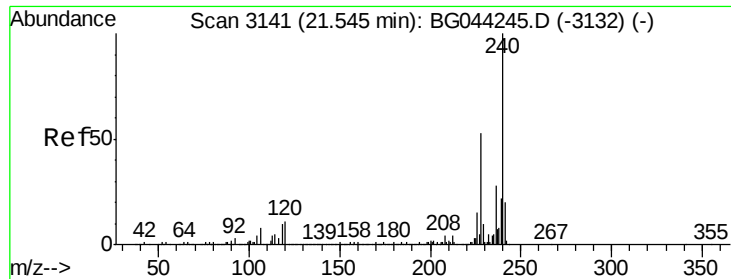
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

19.35

Time-->

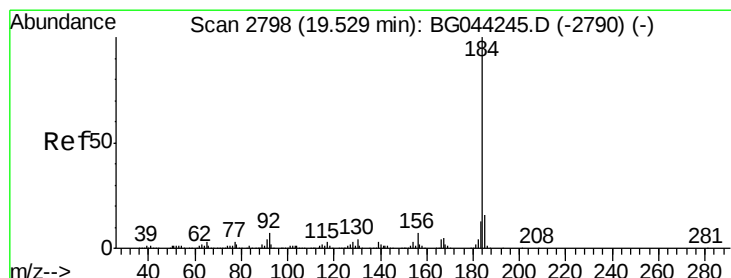
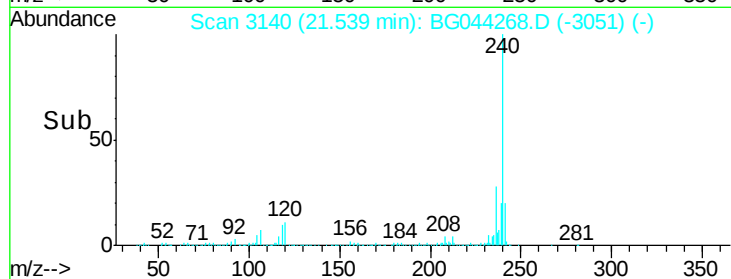
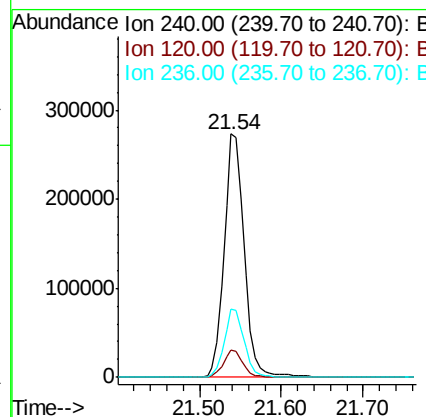
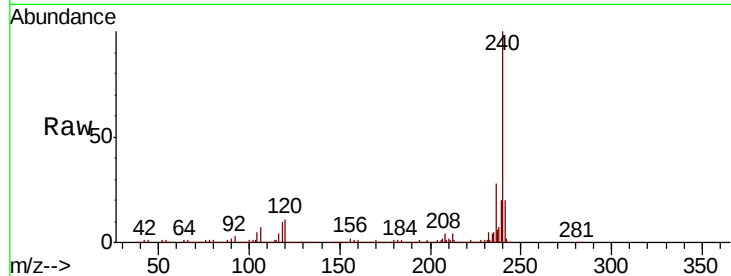




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.54 min Scan# 3140
Delta R.T. -0.01 min
Lab File: BG044268.D
Acq: 31 Jan 2020 20:23

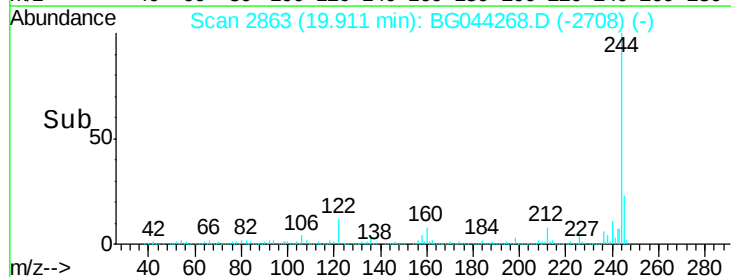
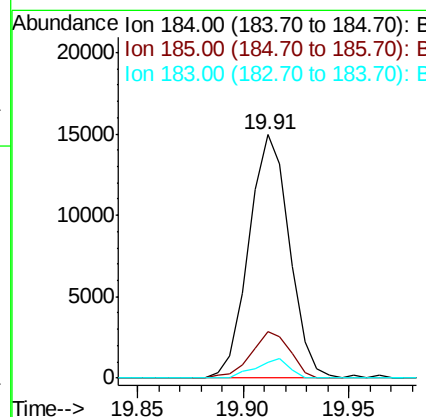
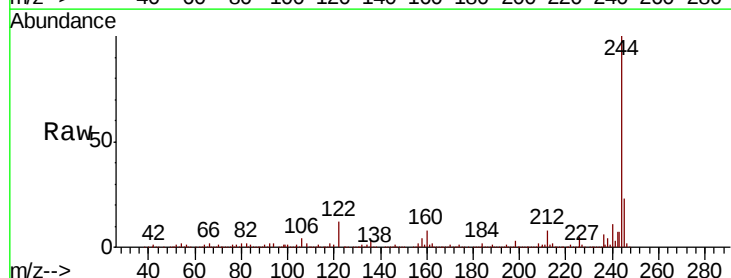
Instrument :
BNA_G
ClientSampleId :

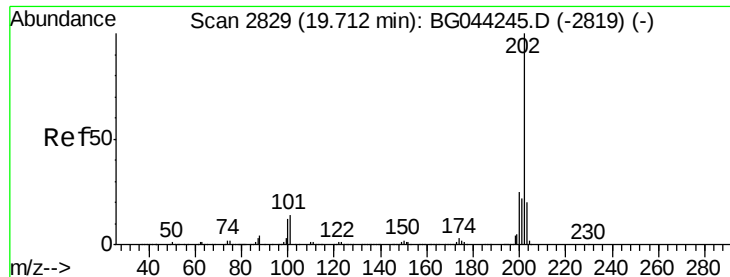
Tot Ion:240 Resp: 469329
Ion Ratio Lower Upper
240 100
120 11.2 8.4 12.6
236 28.1 22.1 33.1



#77
Benzidine
Concen: 1.532 ng
RT: 19.91 min Scan# 2863
Delta R.T. 0.38 min
Lab File: BG044268.D
Acq: 31 Jan 2020 20:23

Tgt Ion:184 Resp: 19941
Ion Ratio Lower Upper
184 100
185 19.1 12.9 19.3
183 6.4 10.8 16.2#

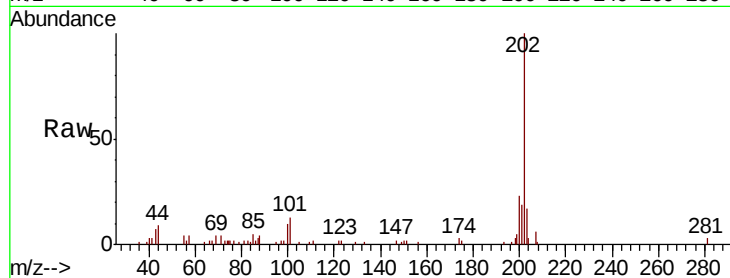




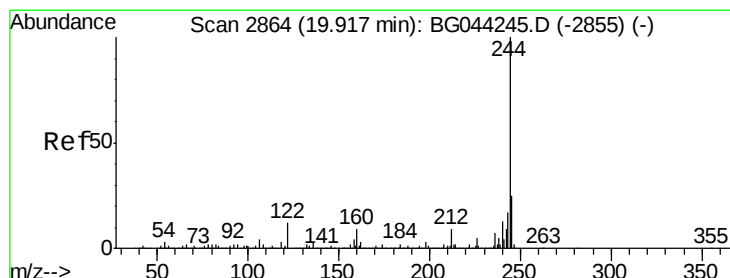
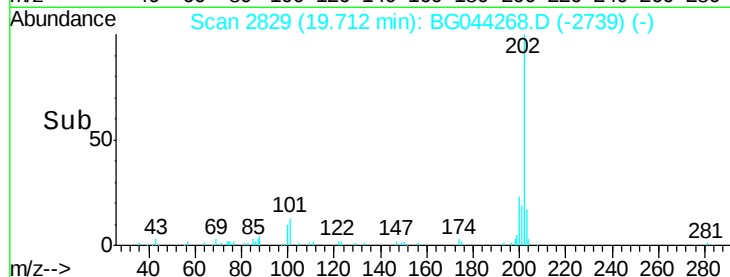
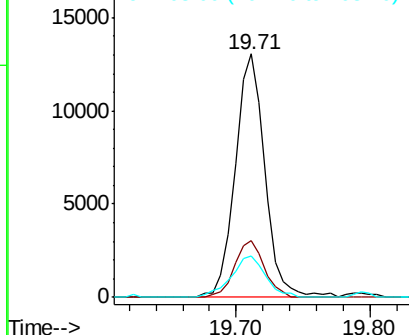
#78
Pvrene
Concen: 0.666 ng
RT: 19.71 min Scan# 2829
Delta R.T. 0.00 min
Lab File: BG044268.D
Acq: 31 Jan 2020 20:23

Instrument :
BNA_G
ClientSampleId :

Tot Ion:202 Resp: 20080
Ion Ratio Lower Upper
202 100
200 23.2 20.0 30.0
203 16.8 16.2 24.2

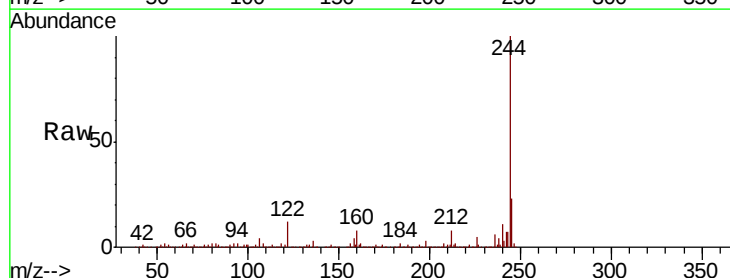


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

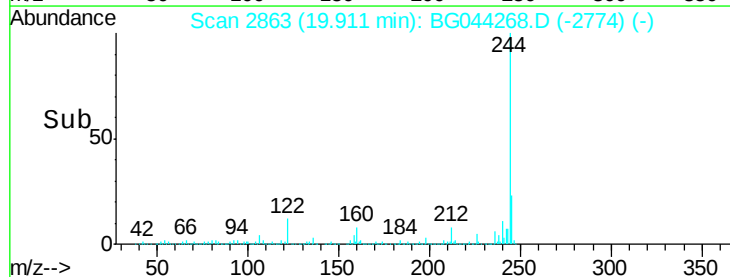
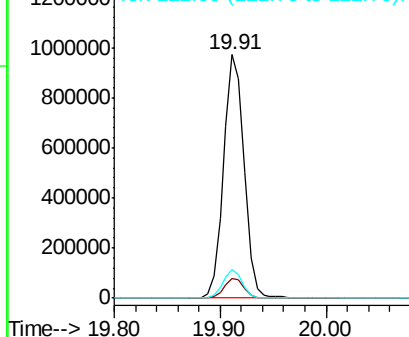


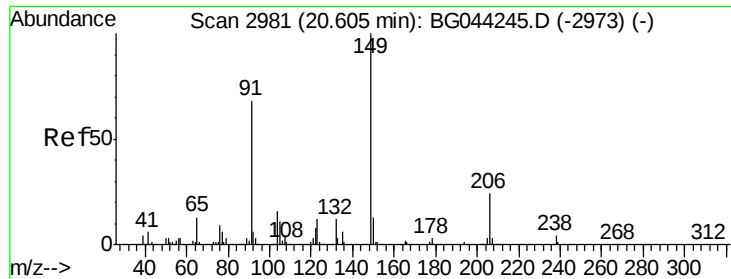
#79
Terphenyl-d14
Concen: 57.385 ng
RT: 19.91 min Scan# 2863
Delta R.T. -0.01 min
Lab File: BG044268.D
Acq: 31 Jan 2020 20:23

Tgt Ion:244 Resp: 1309394
Ion Ratio Lower Upper
244 100
212 8.1 7.4 11.2
122 11.6 9.8 14.6



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

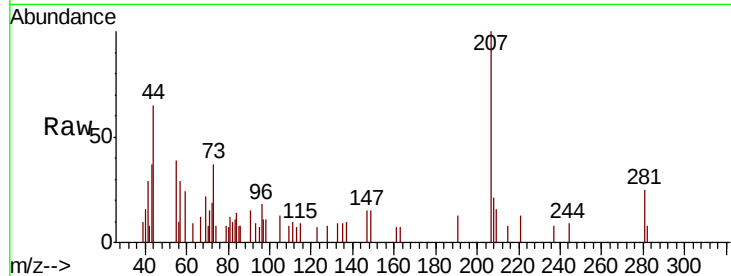




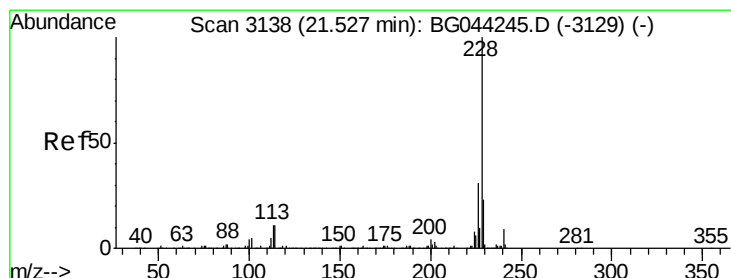
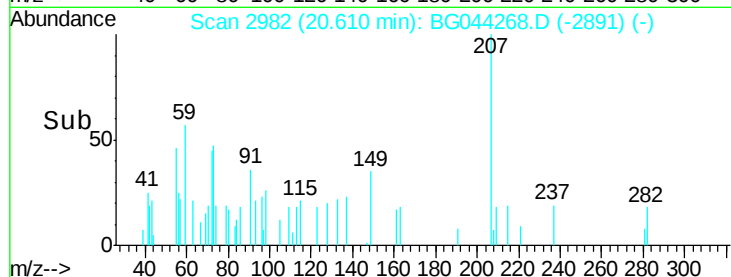
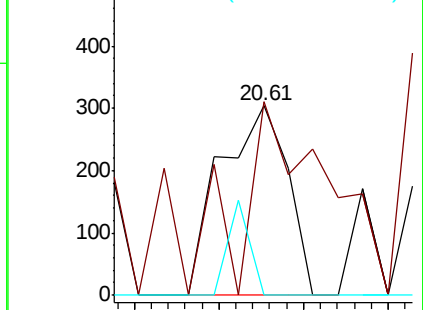
#80
Butylbenzylphthalate
Concen: 0.024 ng
RT: 20.61 min Scan# 2982
Delta R.T. 0.01 min
Lab File: BG044268.D
Acq: 31 Jan 2020 20:23

Instrument :
BNA_G
ClientSampled :

Tot Ion:149 Resp: 335
Ion Ratio Lower Upper
149 100
91 102.0 54.5 81.7#
206 0.0 19.1 28.7#

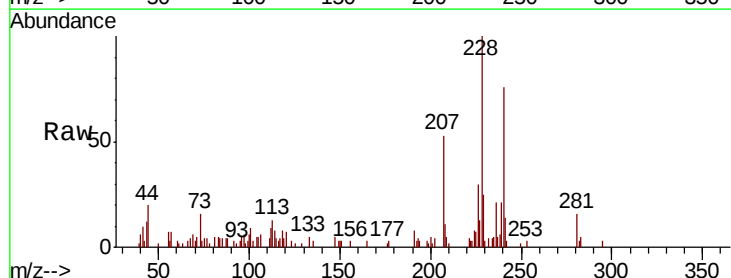


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BG
Ion 206.00 (205.70 to 206.70): E

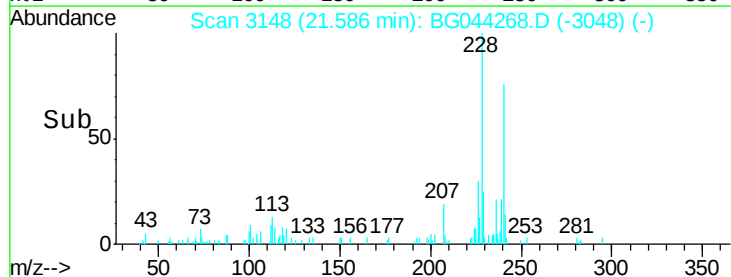
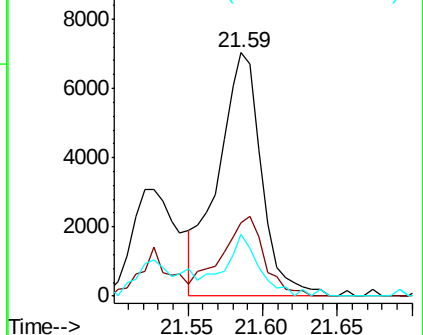


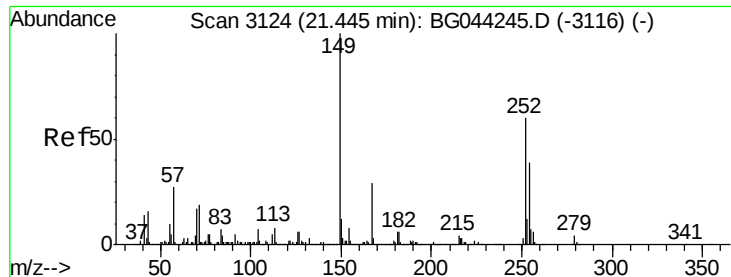
#81
Benzo(a)anthracene
Concen: 0.493 ng
RT: 21.59 min Scan# 3148
Delta R.T. 0.06 min
Lab File: BG044268.D
Acq: 31 Jan 2020 20:23

Tgt Ion:228 Resp: 14250
Ion Ratio Lower Upper
228 100
226 30.1 24.7 37.1
229 25.4 18.2 27.4



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: 0.005 ng

RT: 21.46 min Scan# 3126

Delta R.T. 0.01 min

Lab File: BG044268.D

Acq: 31 Jan 2020 20:23

Instrument :

BNA_G

ClientSampled :

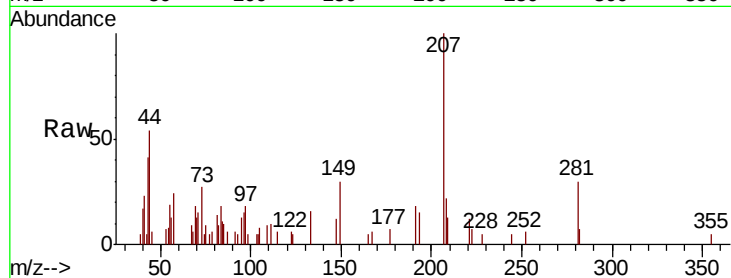
Tot Ion:252 Resp: 60

Ion Ratio Lower Upper

252 100

254 0.0 52.6 78.8#

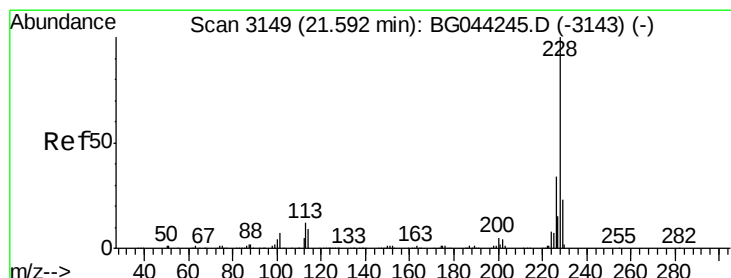
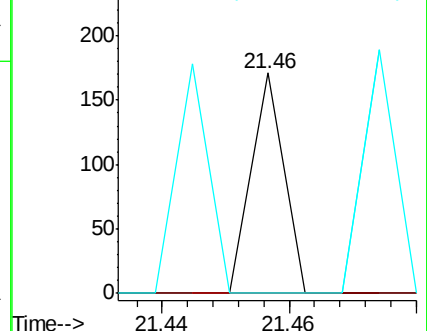
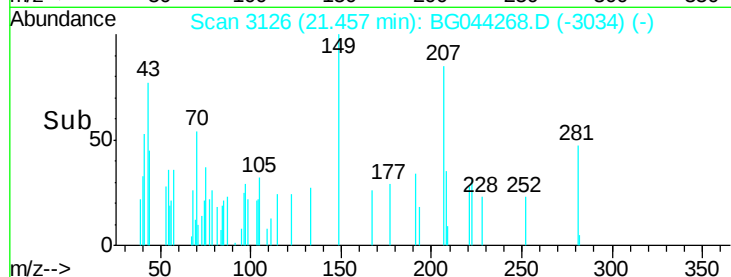
126 0.0 8.2 12.4#



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: 0.510 ng

RT: 21.59 min Scan# 3148

Delta R.T. -0.01 min

Lab File: BG044268.D

Acq: 31 Jan 2020 20:23

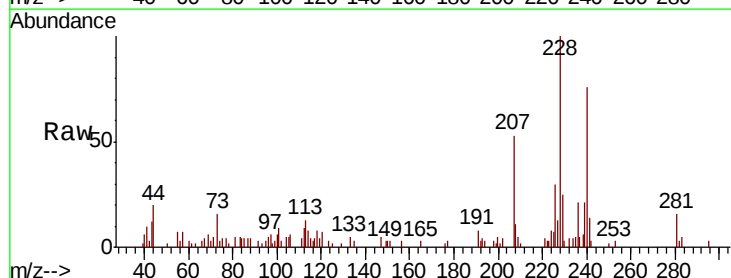
Tgt Ion:228 Resp: 14250

Ion Ratio Lower Upper

228 100

226 30.1 27.1 40.7

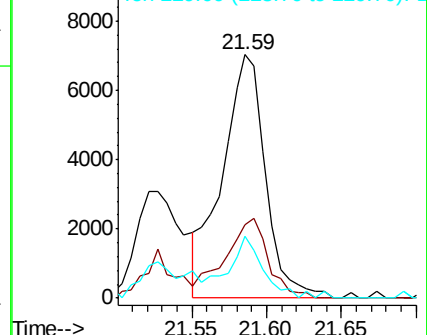
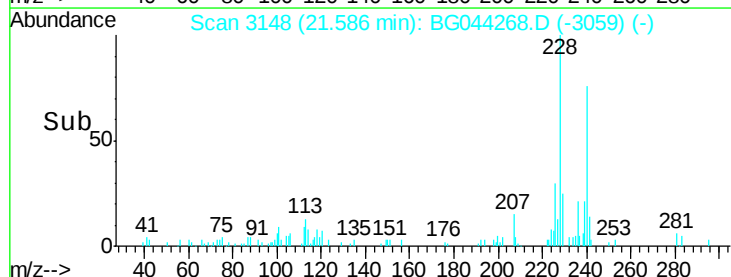
229 25.4 17.9 26.9

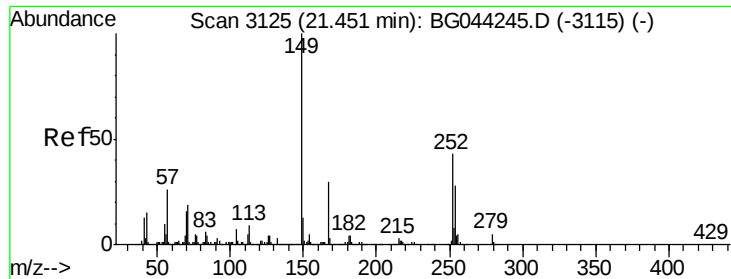


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.094 ng

RT: 21.45 min Scan# 3125

Delta R.T. 0.00 min

Lab File: BG044268.D

Acq: 31 Jan 2020 20:23

Instrument :

BNA_G

ClientSampleId :

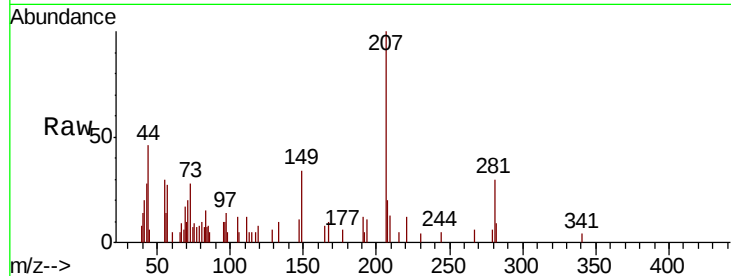
Tot Ion:149 Resp: 1782

Ion Ratio Lower Upper

149 100

167 28.5 24.0 36.0

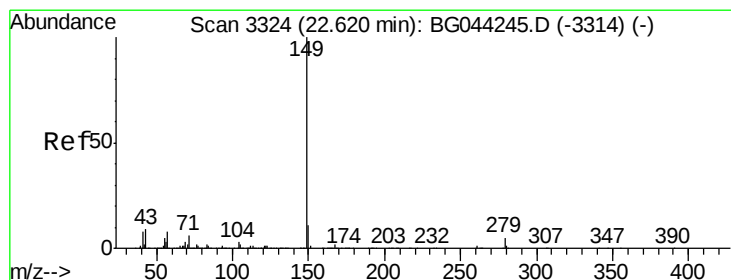
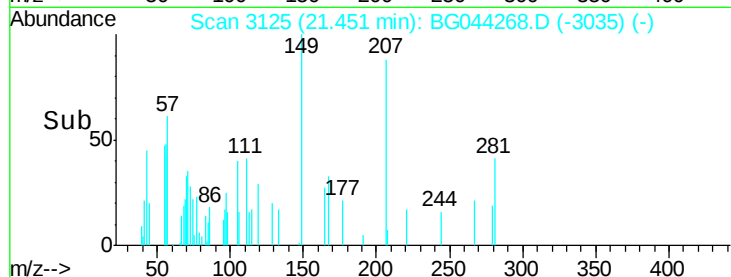
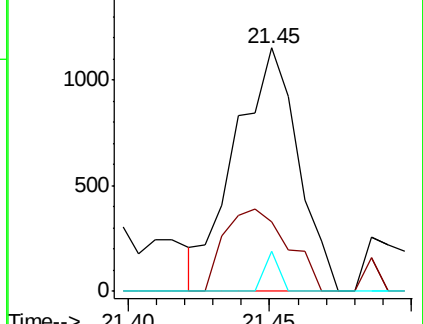
279 16.3 3.8 5.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 0.056 ng

RT: 22.63 min Scan# 3325

Delta R.T. 0.01 min

Lab File: BG044268.D

Acq: 31 Jan 2020 20:23

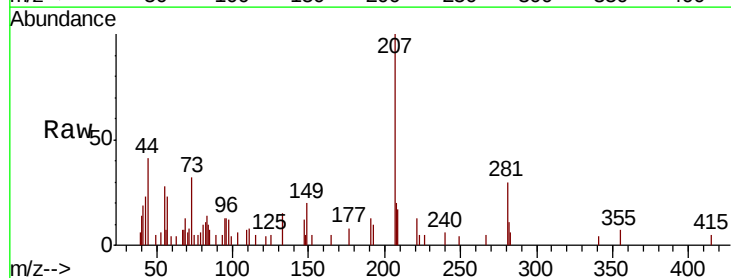
Tgt Ion:149 Resp: 1821

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

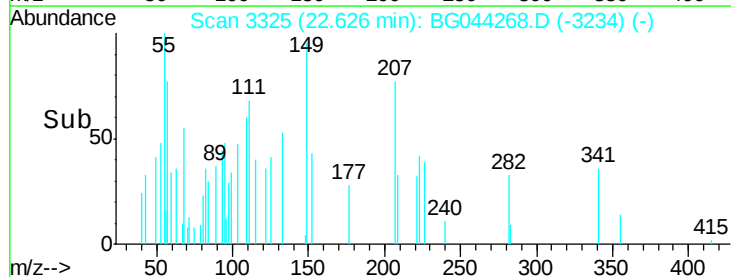
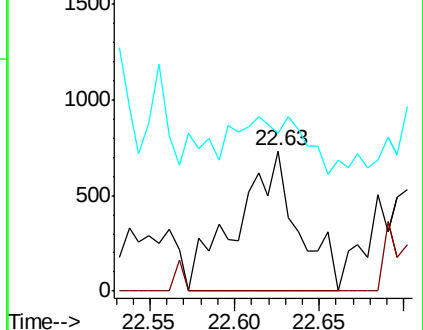
43 0.0 7.4 11.0#

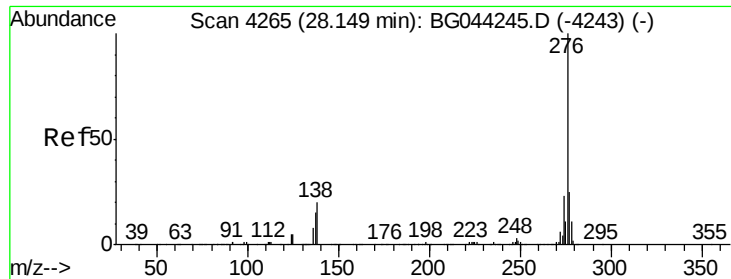


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BG0





#86

Indeno(1,2,3-cd)pyrene

Concen: 0.048 ng

RT: 28.15 min Scan# 4265

Delta R.T. 0.00 min

Lab File: BG044268.D

Acq: 31 Jan 2020 20:23

Instrument :

BNA_G

ClientSampled :

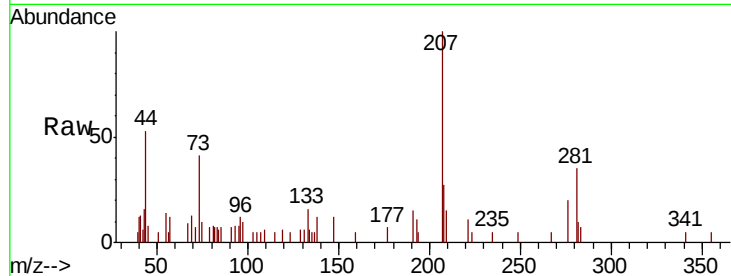
Tot Ion:276 Resp: 1752

Ion Ratio Lower Upper

276 100

138 28.9 19.4 29.0

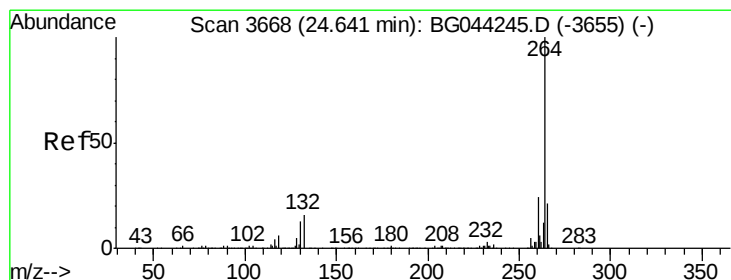
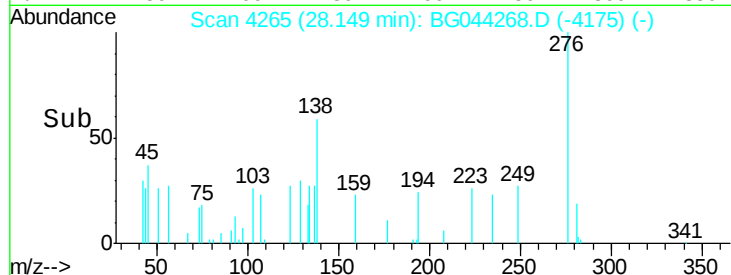
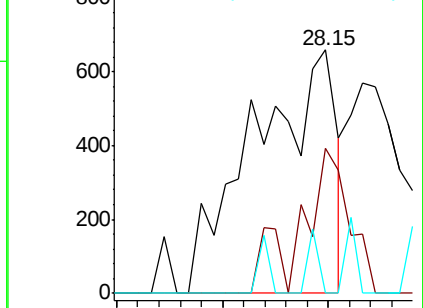
277 3.5 21.0 31.6#



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

Perylene-d12

Concen: 20.000 ng

RT: 24.64 min Scan# 3667

Delta R.T. -0.01 min

Lab File: BG044268.D

Acq: 31 Jan 2020 20:23

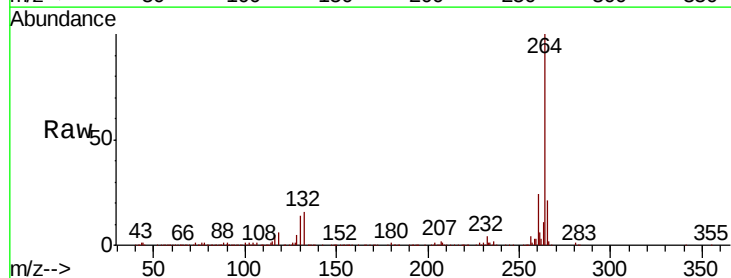
Tgt Ion:264 Resp: 526952

Ion Ratio Lower Upper

264 100

260 24.3 19.4 29.2

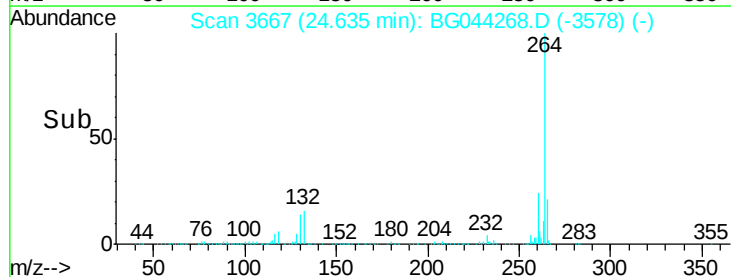
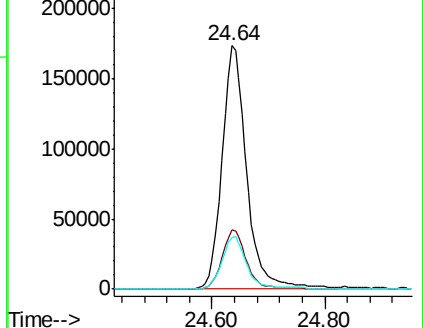
265 21.0 16.7 25.1

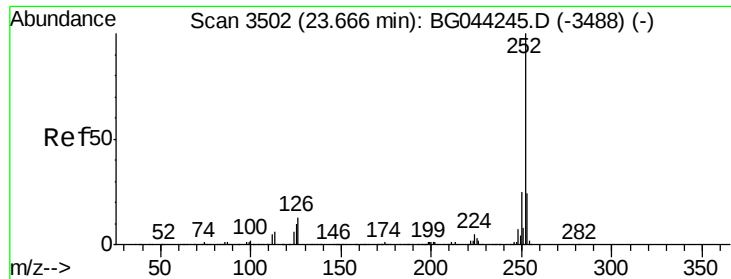


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

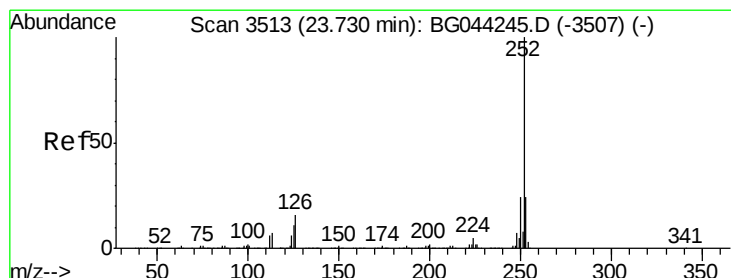
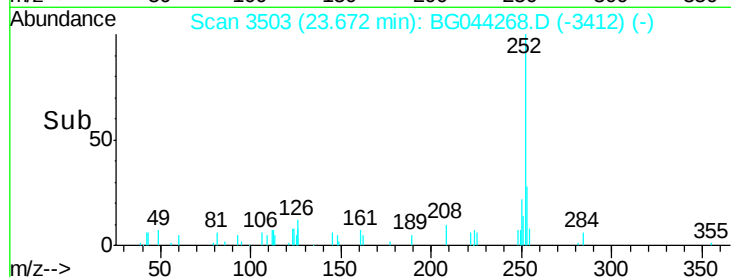
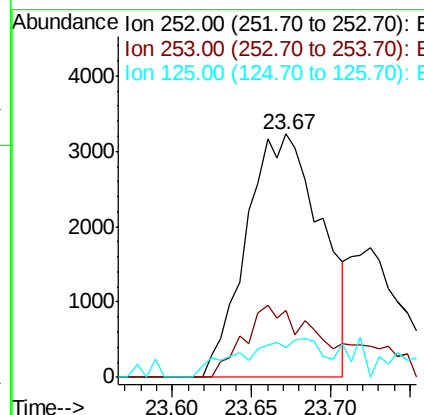
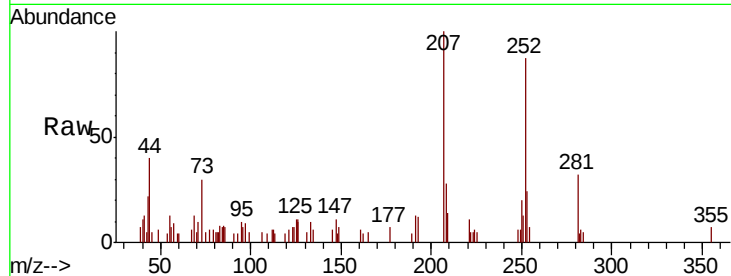




#88
Benzo(b)fluoranthene
Concen: 0.351 ng
RT: 23.67 min Scan# 3503
Delta R.T. 0.01 min
Lab File: BG044268.D
Acq: 31 Jan 2020 20:23

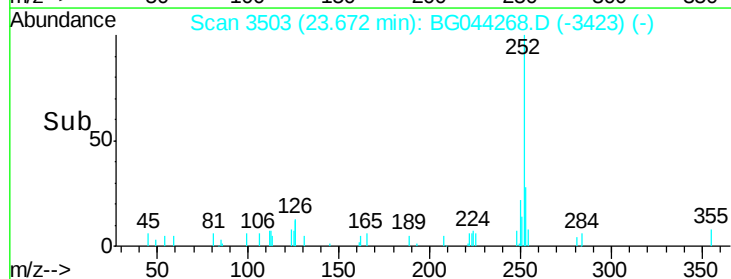
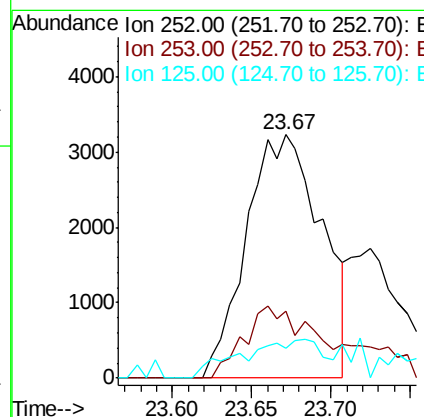
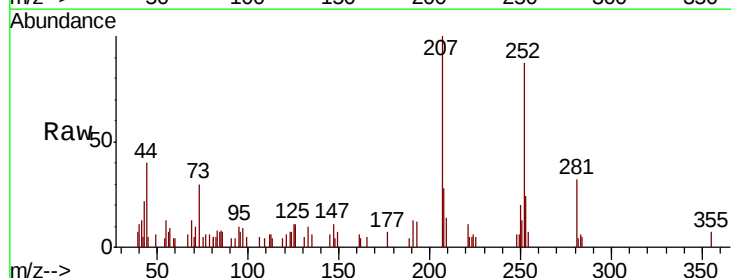
Instrument :
BNA_G
ClientSampleId :

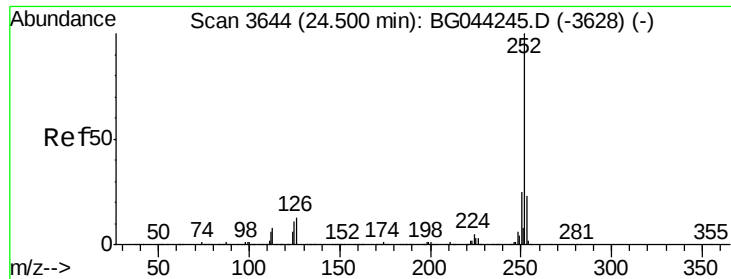
Tot Ion:252 Resp: 10644
Ion Ratio Lower Upper
252 100
253 27.6 19.2 28.8
125 12.5 8.4 12.6



#89
Benzo(k)fluoranthene
Concen: 0.360 ng
RT: 23.67 min Scan# 3503
Delta R.T. -0.06 min
Lab File: BG044268.D
Acq: 31 Jan 2020 20:23

Tgt Ion:252 Resp: 10644
Ion Ratio Lower Upper
252 100
253 27.6 19.1 28.7
125 12.5 8.6 12.8





#90

Benzo(a)pyrene

Concen: 0.174 ng

RT: 24.49 min Scan# 3643

Delta R.T. -0.01 min

Lab File: BG044268.D

Acq: 31 Jan 2020 20:23

Instrument :

BNA_G

ClientSampleId :

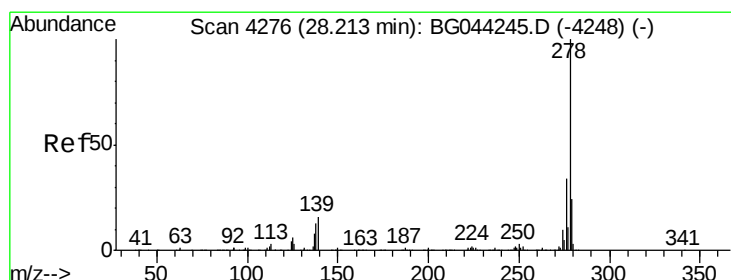
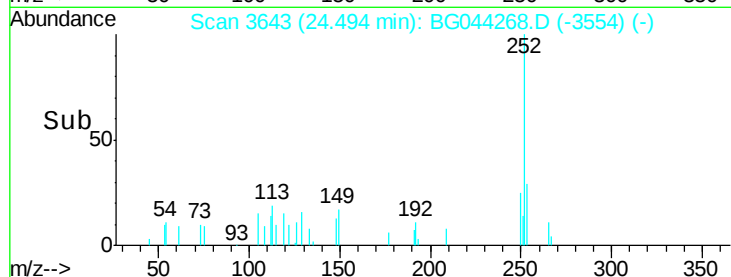
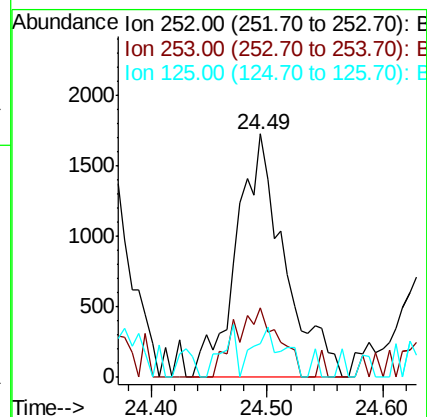
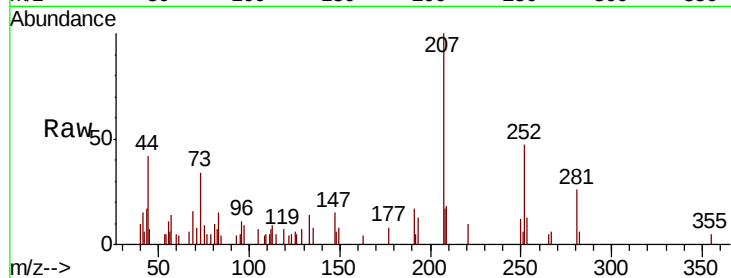
Tot Ion:252 Resp: 4998

Ion Ratio Lower Upper

252 100

253 28.6 18.1 27.1#

125 13.9 8.6 13.0#



#91

Dibenzo(a,h)anthracene

Concen: 0.035 ng

RT: 28.21 min Scan# 4276

Delta R.T. 0.00 min

Lab File: BG044268.D

Acq: 31 Jan 2020 20:23

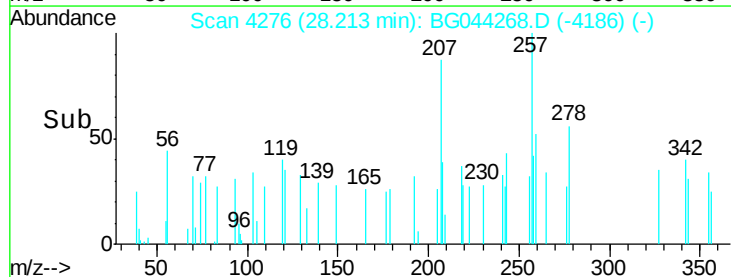
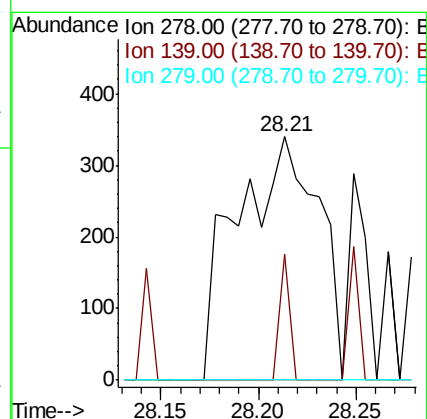
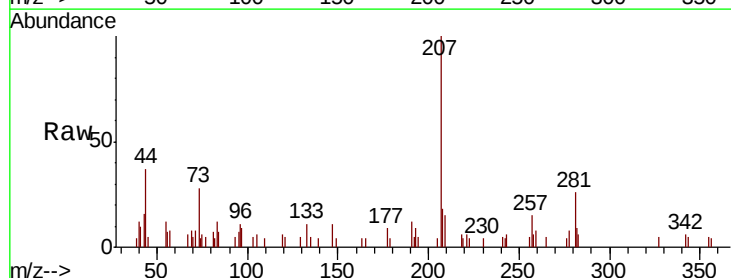
Tgt Ion:278 Resp: 986

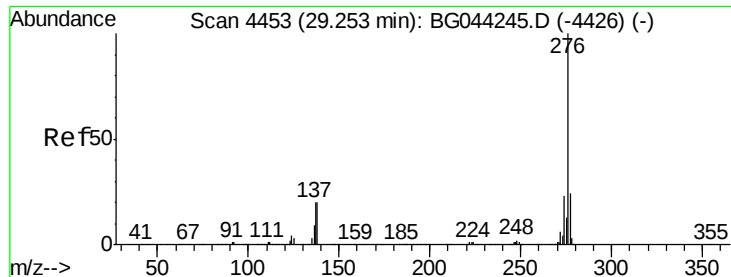
Ion Ratio Lower Upper

278 100

139 51.8 12.7 19.1#

279 0.0 19.3 28.9#





#92
 Benzo(a,h,i)perylene
 Concen: 0.107 ng
 RT: 29.24 min Scan# 4451
 Delta R.T. -0.01 min
 Lab File: BG044268.D
 Acq: 31 Jan 2020 20:23

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	0.0	18.8	28.2#
138	0.0	16.2	24.2#

