

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG073019\
 Data File : BG041812.D
 Acq On : 30 Jul 2019 21:53
 Operator : HP/JU
 Sample : K3621-08
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OK-01-072919

Quant Time: Jul 31 01:21:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG072719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 07:53:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	93568	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	344328	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	236365	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	584935	20.00	ng	0.00
76) Chrysene-d12	21.73	240	712755	20.00	ng	0.00
87) Perylene-d12	25.01	264	810317	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	605269	125.86	ng	0.00
7) Phenol-d6	7.19	99	732738	113.02	ng	0.00
23) Nitrobenzene-d5	9.21	82	550233	109.97	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	445016	165.75	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	1394492	104.06	ng	0.00
79) Terphenyl-d14	20.07	244	2568336	82.46	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.48	88	4894	2.162	ng	# 1
8) 2-Chlorophenol	7.61	128	11439	2.077	ng	92
10) Phenol	7.22	94	14290	2.119	ng	89
22) Acetophenone	8.86	105	18466	2.398	ng	# 88
24) Nitrobenzene	9.25	77	11787	2.236	ng	95
26) 2-Nitrophenol	9.97	139	5553	2.270	ng	# 85
27) 2,4-Dimethylphenol	10.03	122	8689	2.012	ng	91
29) 2,4-Dichlorophenol	10.51	162	11074	2.106	ng	93
30) 1,2,4-Trichlorobenzene	10.73	180	13701	2.055	ng	# 96
31) Naphthalene	10.92	128	37883	2.404	ng	# 97
32) Benzoic acid	10.16	122	448	8.847	ng	# 68
34) Hexachlorobutadiene	11.21	225	9517	2.115	ng	98
36) 4-Chloro-3-methylphenol	12.14	107	11099	2.129	ng	98
37) 2-Methylnaphthalene	12.53	142	26524	2.126	ng	95
38) 1-Methylnaphthalene	12.75	142	26070	2.205	ng	95
40) 1,2,4,5-Tetrachlorobenzene	12.89	216	16836	2.250	ng	# 97
43) 2,4,6-Trichlorophenol	13.21	196	10597	2.241	ng	91
44) 2,4,5-Trichlorophenol	13.21	196	10597	2.156	ng	92
46) 1,1'-Biphenyl	13.53	154	35779	2.355	ng	98
47) 2-Chloronaphthalene	13.58	162	26984	2.086	ng	96
49) Acenaphthylene	14.42	152	43830	2.265	ng	# 93
50) Dimethylphthalate	14.15	163	45908	2.844	ng	# 99
51) 2,6-Dinitrotoluene	14.26	165	7082	2.098	ng	# 87
52) Acenaphthene	14.76	154	26171	2.079	ng	94
54) 2,4-Dinitrophenol	14.82	184	472	3.575	ng	# 50
55) Dibenzofuran	15.10	168	45836	2.381	ng	93
58) Fluorene	15.75	166	37284	2.413	ng	97
60) Diethylphthalate	15.51	149	37283	2.352	ng	# 90
61) 4-Chlorophenyl-phenylether	15.74	204	20376	2.161	ng	92
63) Azobenzene	16.03	77	28758	2.221	ng	92
65) 4,6-Dinitro-2-methylphenol	15.82	198	2518	7.606	ng	93
66) n-Nitrosodiphenylamine	15.95	169	33728	2.117	ng	93
71) Phenanthrene	17.49	178	68386	2.439	ng	# 89
72) Anthracene	17.58	178	64591	2.310	ng	# 92

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

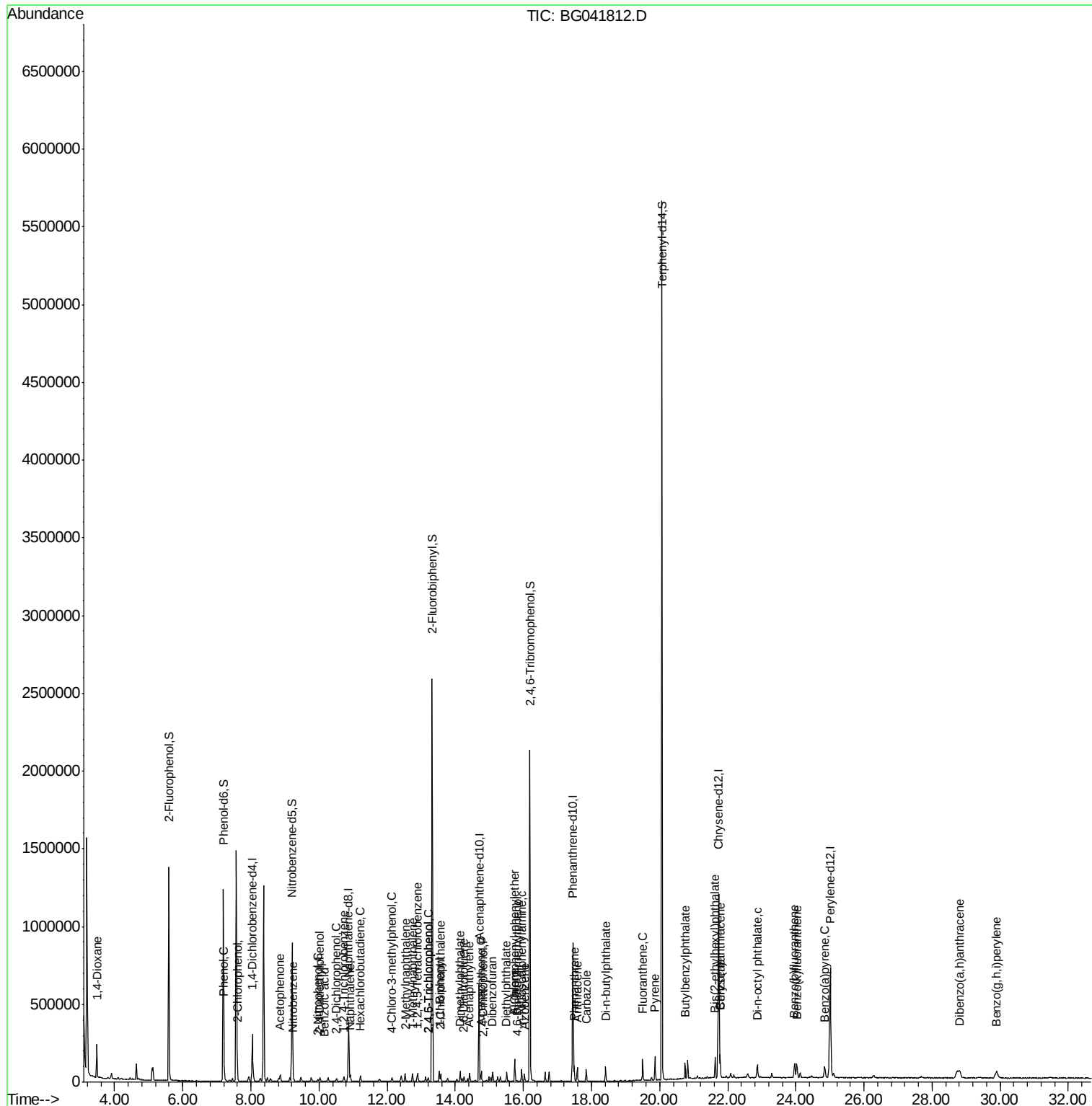
73) Carbazole	17.85	167	62918	2.507	ng	# 90
74) Di-n-butylphthalate	18.42	149	70046	2.462	ng	# 92
75) Fluoranthene	19.50	202	91927	2.697	ng	88
78) Pyrene	19.86	202	97289	2.304	ng	# 87
80) Butylbenzylphthalate	20.75	149	34084	2.105	ng	91
81) Benzo(a)anthracene	21.78	228	99818	2.367	ng	93
83) Chrysene	21.78	228	99818	2.469	ng	89
84) Bis(2-ethylhexyl)phthalate	21.63	149	49962	2.237	ng	# 93
85) Di-n-octyl phthalate	22.87	149	78596	2.091	ng	# 89
88) Benzo(b)fluoranthene	23.96	252	99026	2.234	ng	# 96
89) Benzo(k)fluoranthene	24.03	252	96383	2.232	ng	# 88
90) Benzo(a)pyrene	24.84	252	90691	2.133	ng	95
91) Dibenzo(a,h)anthracene	28.80	278	85769	2.055	ng	# 93
92) Benzo(g,h,i)perylene	29.89	276	88256	2.116	ng	# 90

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

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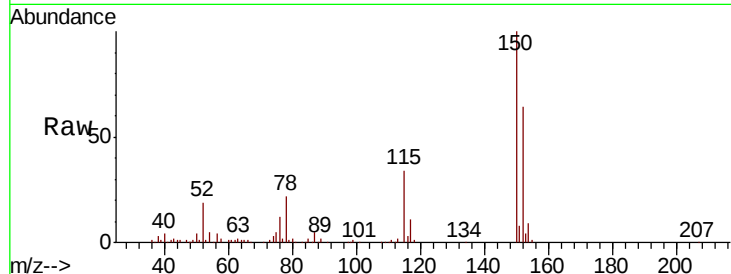


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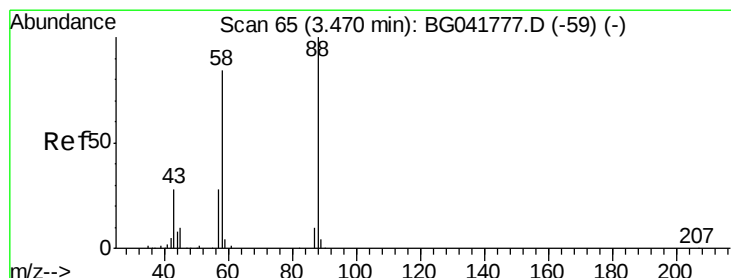
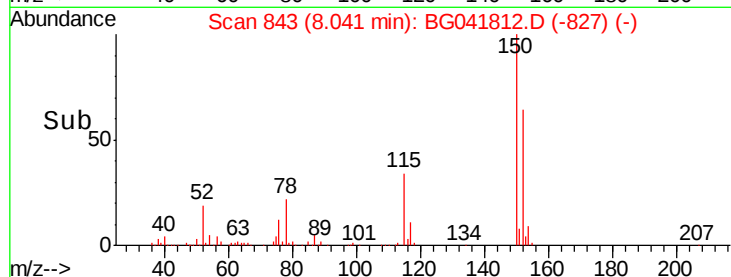
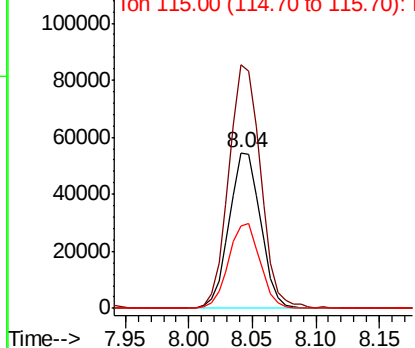
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.01 min
Lab File: BG041812.D
Acq: 30 Jul 2019 21:53

Instrument :
BNA_G
ClientSampleId :
OK-01-072919

Tgt Ion:152 Resp: 93568
Ion Ratio Lower Upper
152 100
150 156.4 126.9 190.3
115 52.7 45.0 67.6



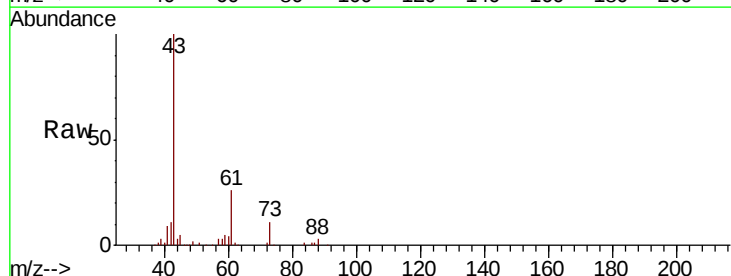
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



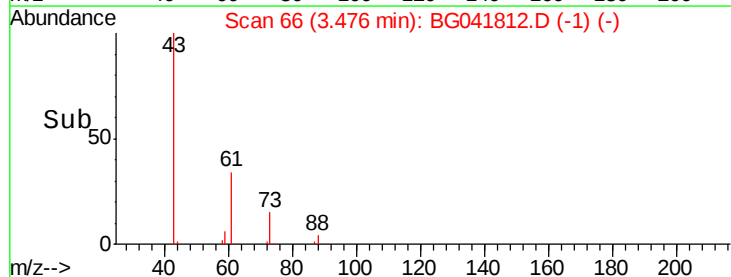
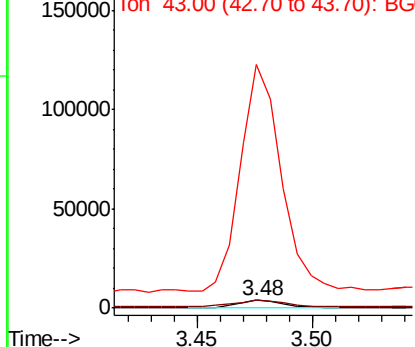
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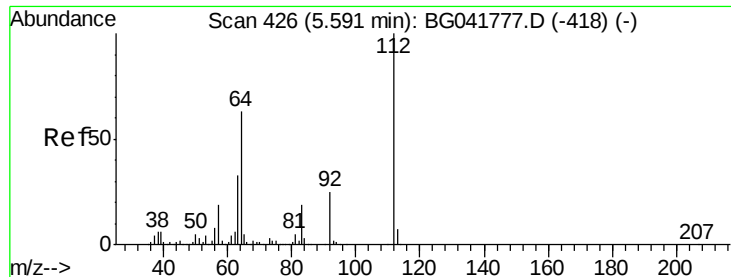
1,4-Dioxane
Concen: 2.162 ng
RT: 3.48 min Scan# 66
Delta R.T. 0.01 min
Lab File: BG041812.D
Acq: 30 Jul 2019 21:53

Tgt Ion: 88 Resp: 4894
Ion Ratio Lower Upper
88 100
58 114.4 76.2 114.2#
43 2892.4 27.2 40.8#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 125.858 ng

RT: 5.59 min Scan# 426

Delta R.T. 0.00 min

Lab File: BG041812.D

Acq: 30 Jul 2019 21:53

Instrument :

BNA_G

ClientSampleId :

OK-01-072919

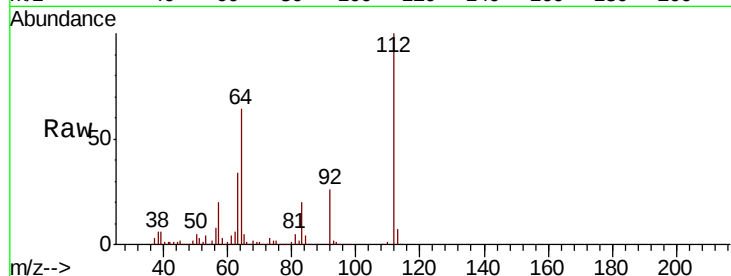
Tgt Ion: 112 Resp: 605269

Ion Ratio Lower Upper

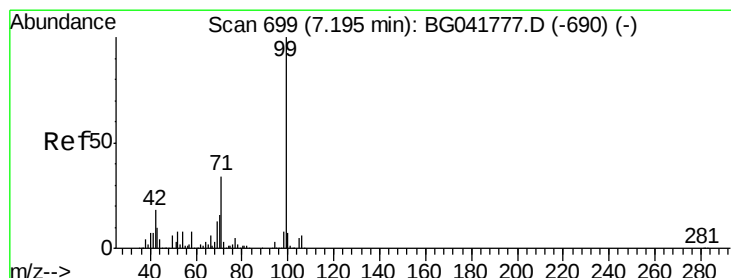
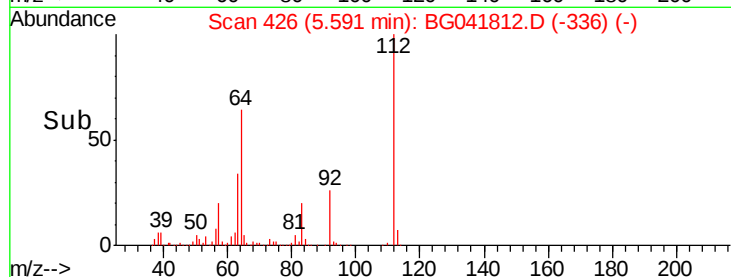
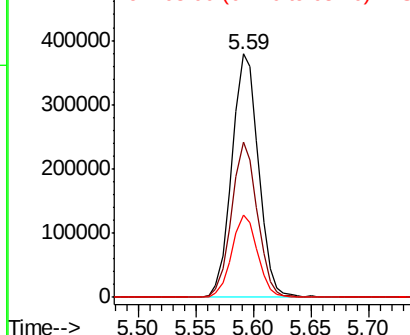
112 100

64 64.0 55.4 83.2

63 33.6 29.1 43.7



Abundance Ion 112.00 (111.70 to 112.70): BGC
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 113.015 ng

RT: 7.19 min Scan# 699

Delta R.T. 0.00 min

Lab File: BG041812.D

Acq: 30 Jul 2019 21:53

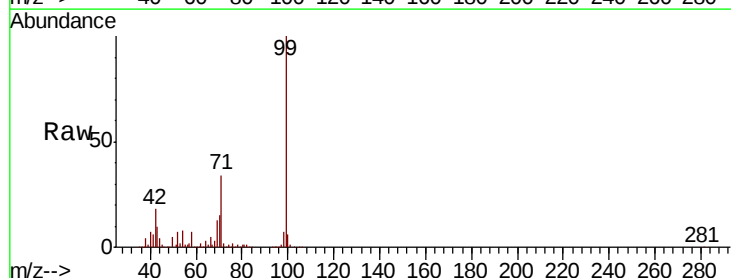
Tgt Ion: 99 Resp: 732738

Ion Ratio Lower Upper

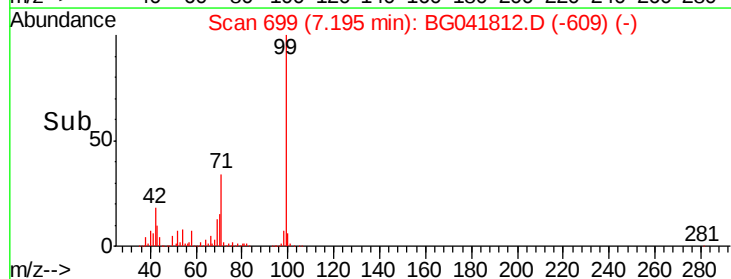
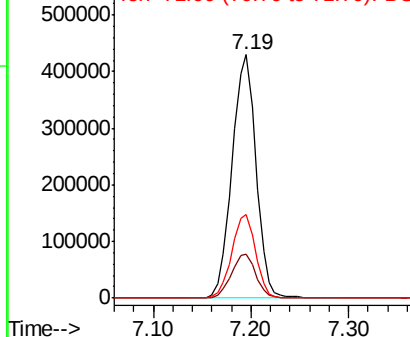
99 100

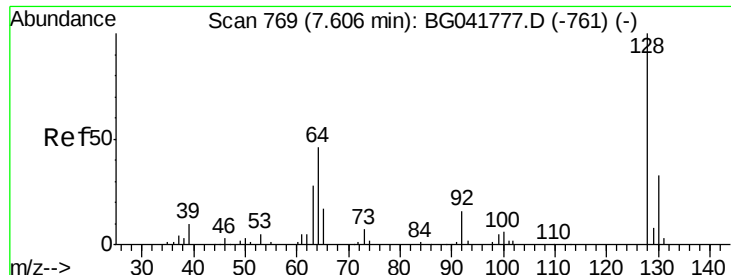
42 18.0 17.6 26.4

71 34.5 27.8 41.6



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: 2.077 ng

RT: 7.61 min Scan# 769

Delta R.T. 0.00 min

Lab File: BG041812.D

Acq: 30 Jul 2019 21:53

Instrument :

BNA_G

ClientSampleId :

OK-01-072919

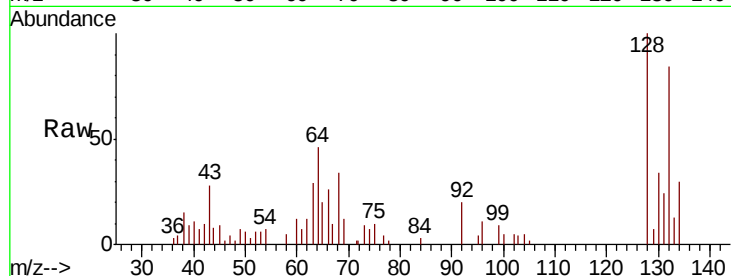
Tgt Ion:128 Resp: 11439

Ion Ratio Lower Upper

128 100

130 33.6 12.4 52.4

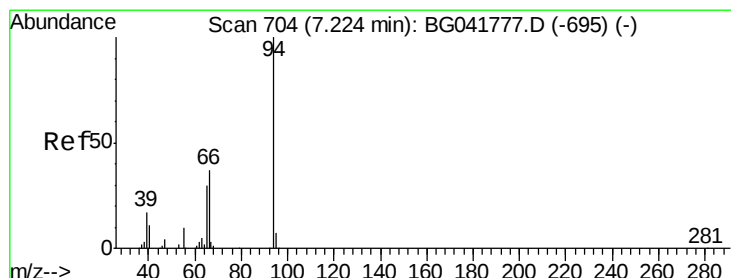
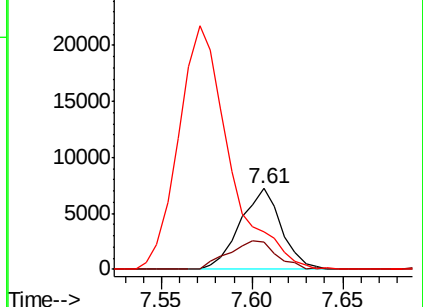
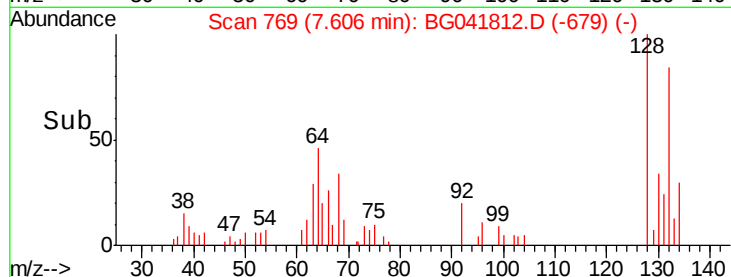
64 46.2 34.9 74.9



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



#10

Phenol

Concen: 2.119 ng

RT: 7.22 min Scan# 703

Delta R.T. -0.01 min

Lab File: BG041812.D

Acq: 30 Jul 2019 21:53

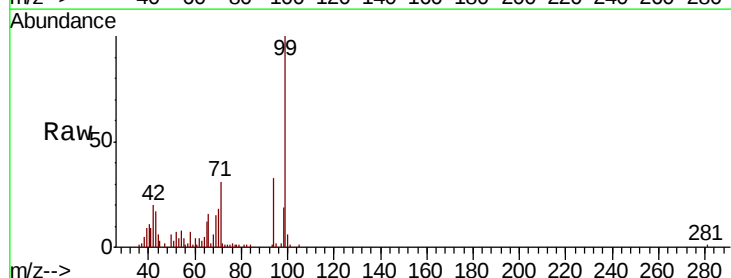
Tgt Ion: 94 Resp: 14290

Ion Ratio Lower Upper

94 100

65 35.0 10.6 50.6

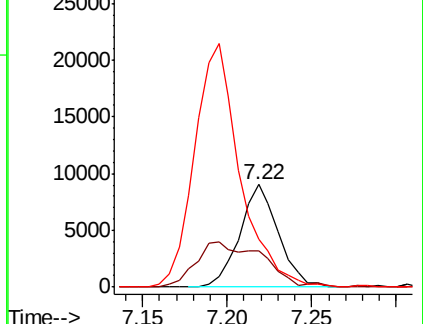
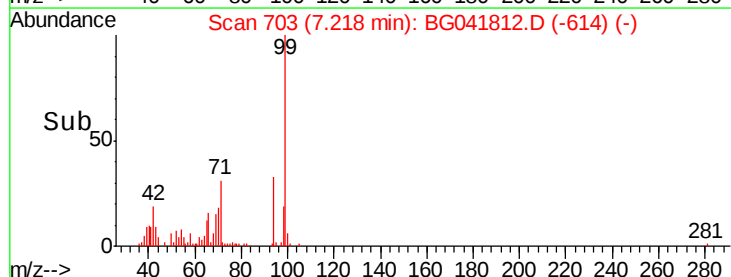
66 46.5 18.2 58.2

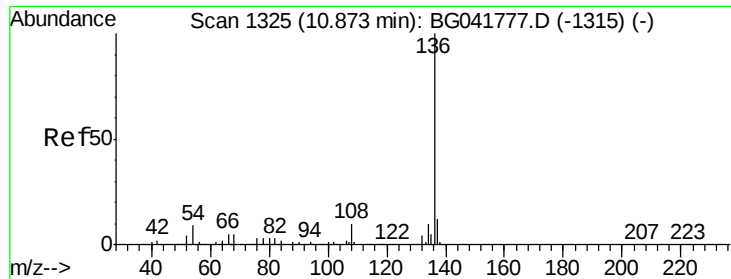


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

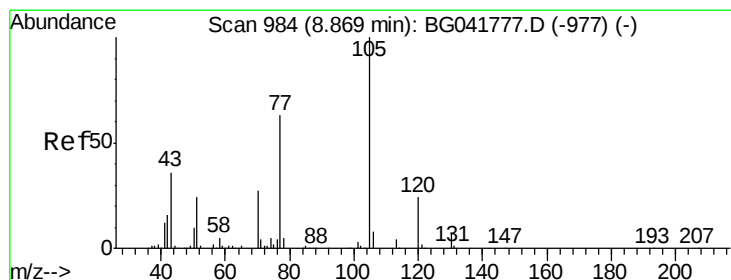
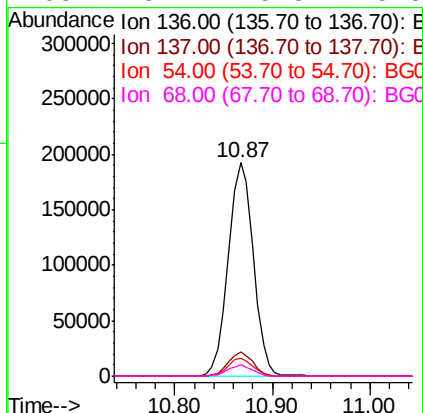
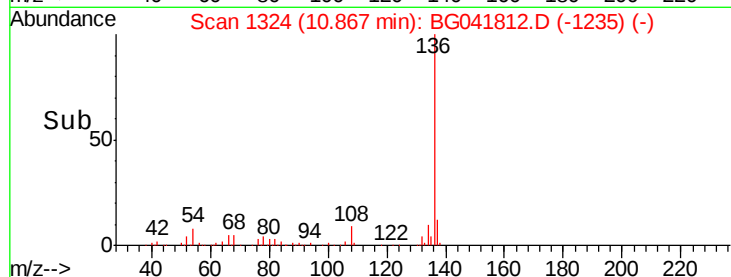
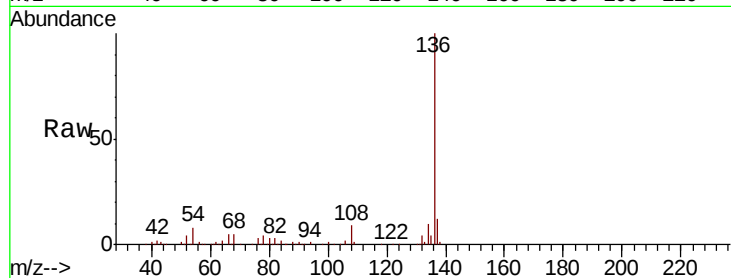




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BG041812.D
Acq: 30 Jul 2019 21:53

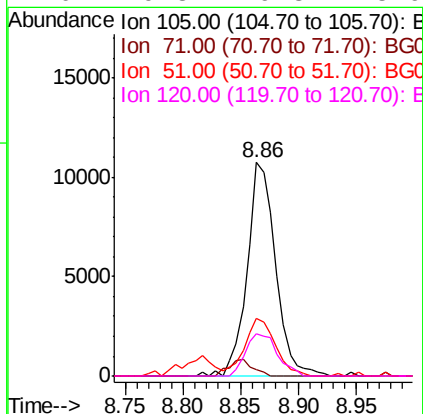
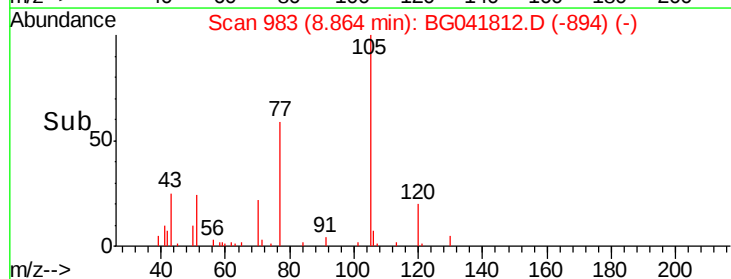
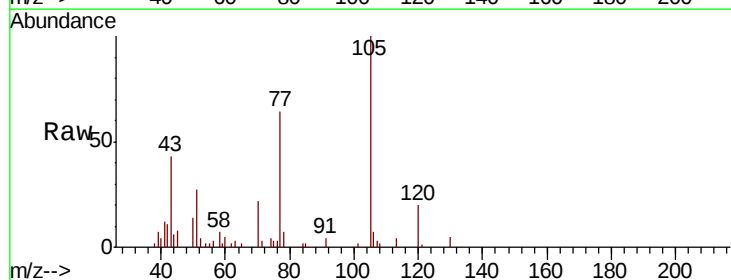
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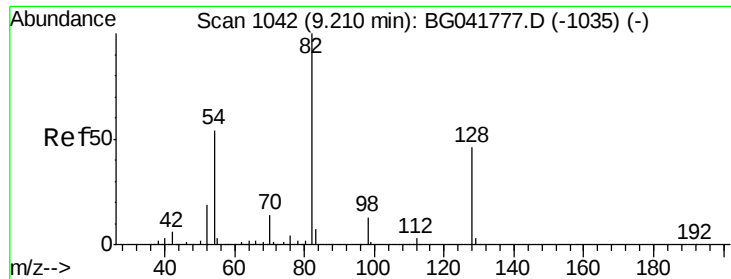
Tgt Ion:	136	Resp:	344328
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	8.5	8.7	13.1#
68	5.2	5.5	8.3#



#22
Acetophenone
Concen: 2.398 ng
RT: 8.86 min Scan# 983
Delta R.T. -0.01 min
Lab File: BG041812.D
Acq: 30 Jul 2019 21:53

Tgt Ion:	105	Resp:	18466
Ion	Ratio	Lower	Upper
105	100		
71	2.8	5.9	8.9#
51	26.8	27.7	41.5#
120	19.8	19.3	28.9

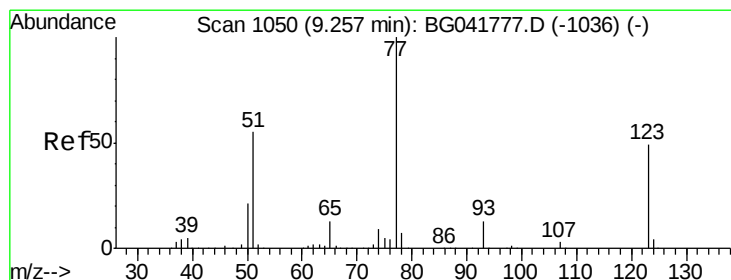
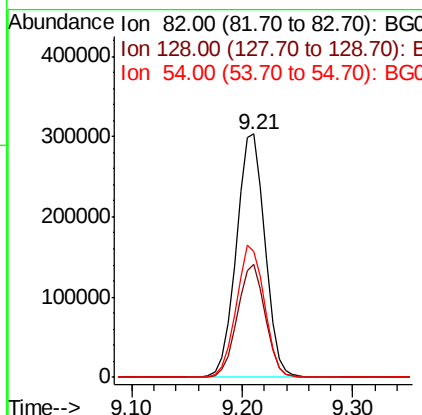
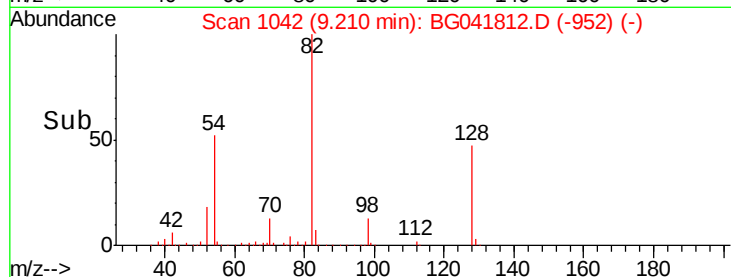
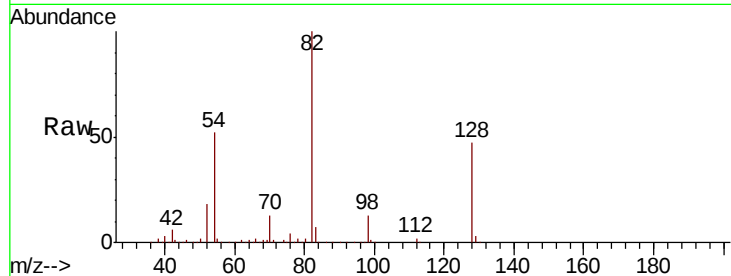




#23
 Nitrobenzene-d5
 Concen: 109.968 ng
 RT: 9.21 min Scan# 1042
 Delta R.T. 0.00 min
 Lab File: BG041812.D
 Acq: 30 Jul 2019 21:53

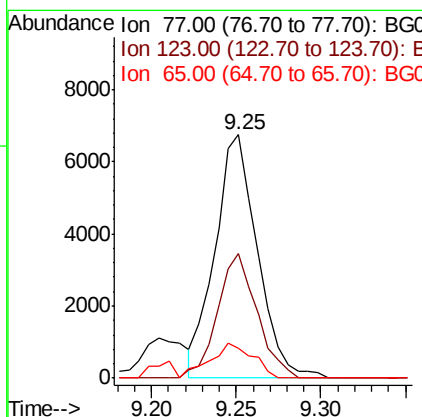
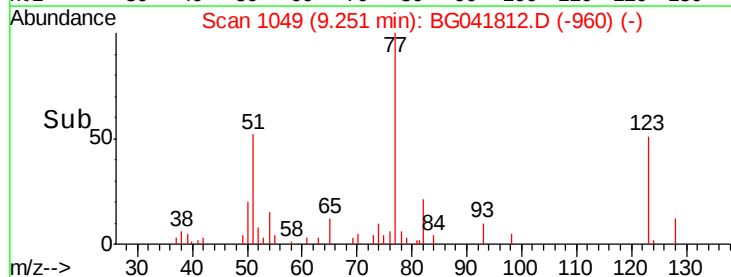
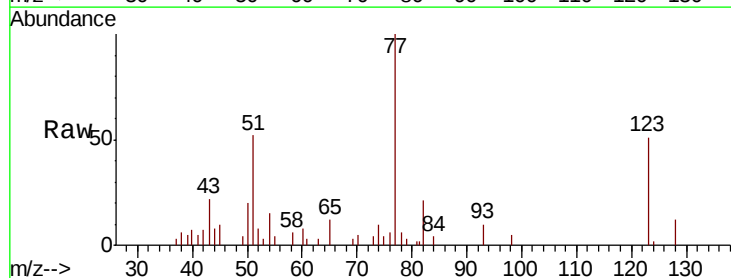
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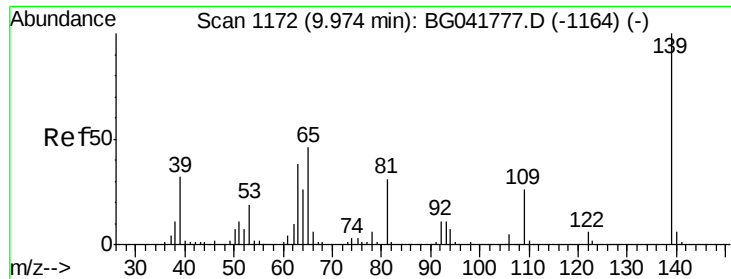
Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.7	35.1	52.7
54	51.9	48.7	73.1



#24
 Nitrobenzene
 Concen: 2.236 ng
 RT: 9.25 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: BG041812.D
 Acq: 30 Jul 2019 21:53

Tgt Ion	Ratio	Lower	Upper
77	100		
123	51.3	38.1	57.1
65	12.4	11.0	16.6

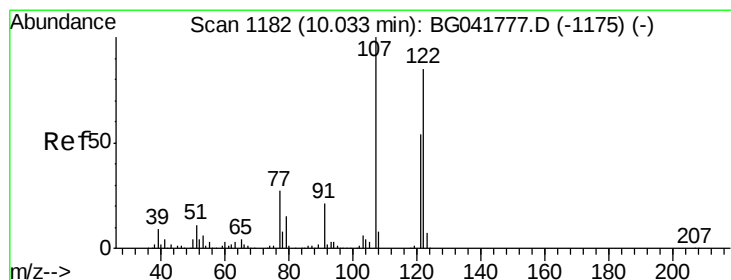
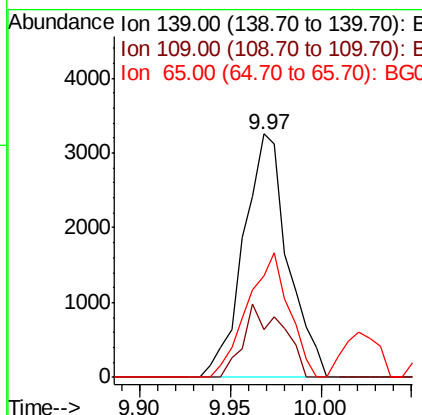
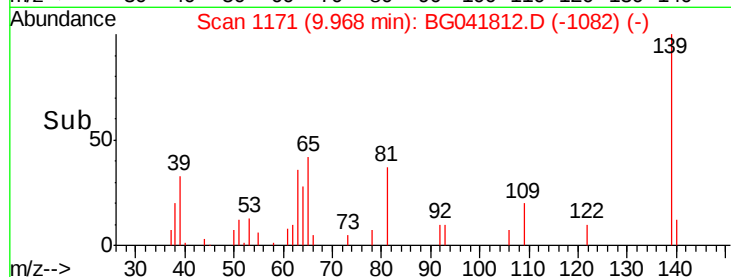
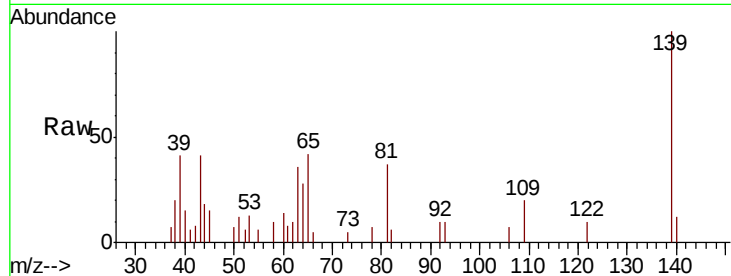




#26
2-Nitrophenol
Concen: 2.270 ng
RT: 9.97 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BG041812.D
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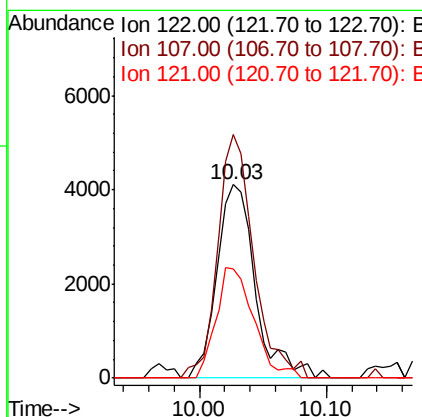
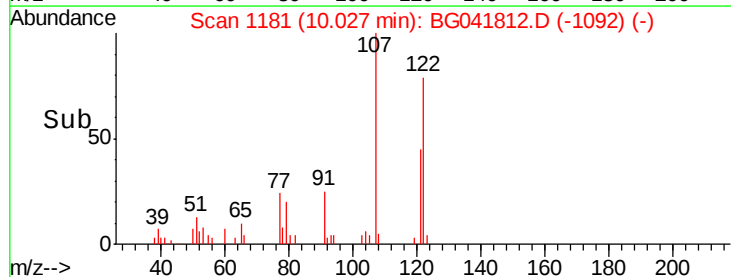
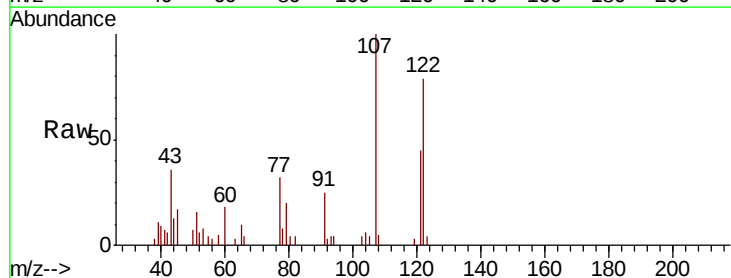
Instrument :
BNA_G
ClientSampleId :
OK-01-072919

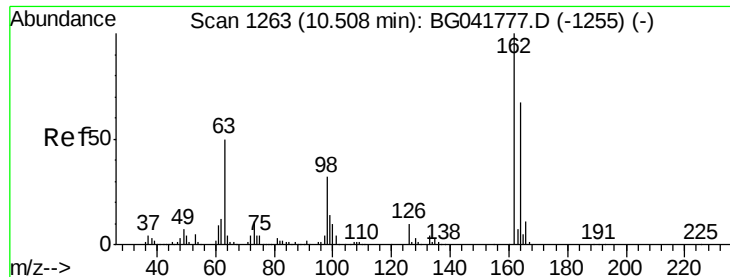
Tgt Ion:139 Resp: 5553
Ion Ratio Lower Upper
139 100
109 19.7 22.7 34.1#
65 41.8 41.1 61.7



#27
2,4-Dimethylphenol
Concen: 2.012 ng
RT: 10.03 min Scan# 1181
Delta R.T. -0.01 min
Lab File: BG041812.D
Acq: 30 Jul 2019 21:53

Tgt Ion:122 Resp: 8689
Ion Ratio Lower Upper
122 100
107 126.1 91.3 136.9
121 56.8 49.2 73.8

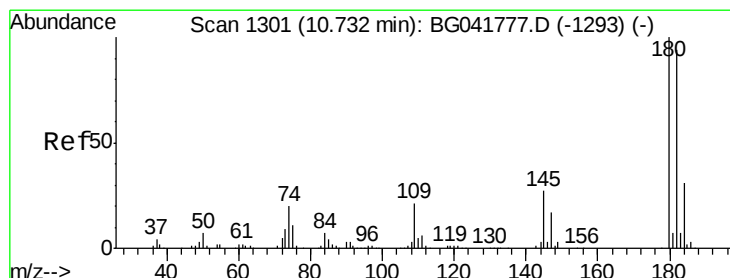
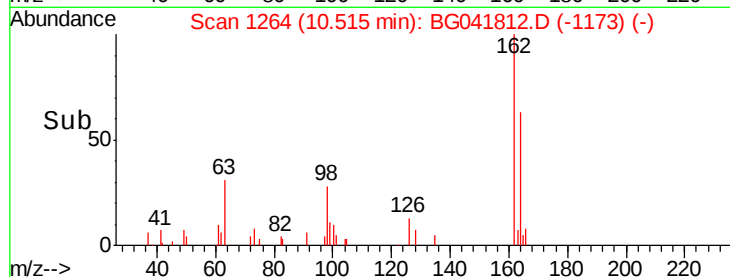
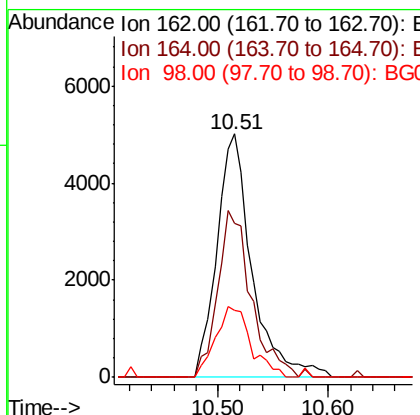
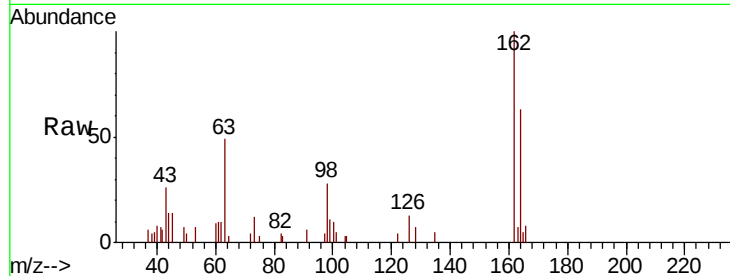




#29
2,4-Dichlorophenol
Concen: 2.106 ng
RT: 10.51 min Scan# 1264
Delta R.T. 0.01 min
Lab File: BG041812.D
Acq: 30 Jul 2019 21:53

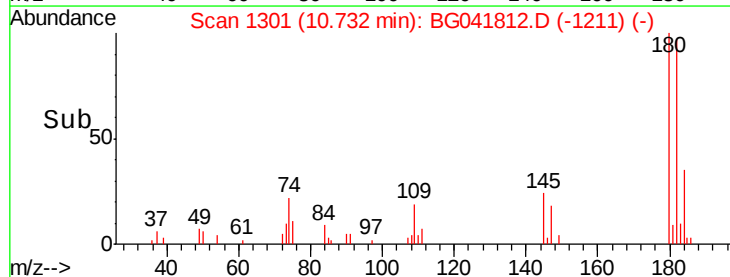
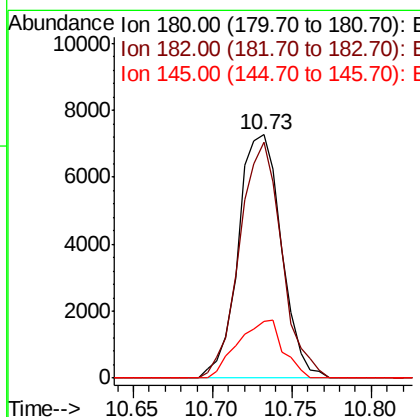
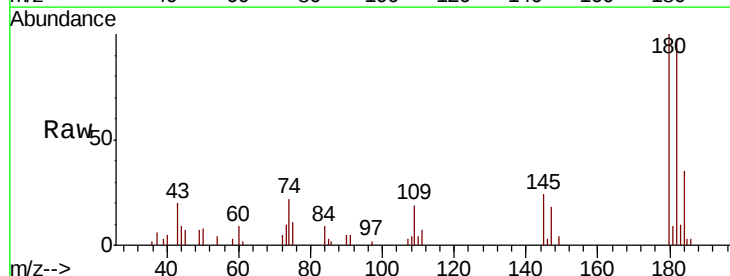
Instrument :
BNA_G
ClientSampleId :
OK-01-072919

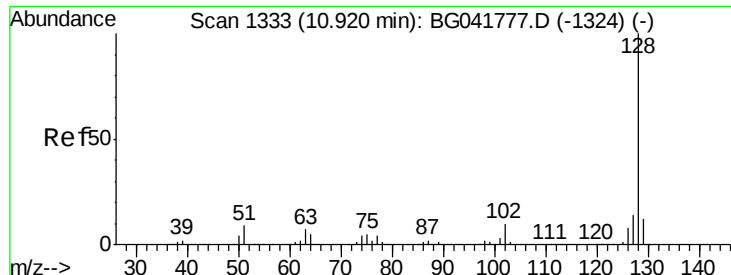
Tgt Ion:162 Resp: 11074
Ion Ratio Lower Upper
162 100
164 63.0 46.1 86.1
98 27.6 14.7 54.7



#30
1,2,4-Trichlorobenzene
Concen: 2.055 ng
RT: 10.73 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BG041812.D
Acq: 30 Jul 2019 21:53

Tgt Ion:180 Resp: 13701
Ion Ratio Lower Upper
180 100
182 96.9 76.2 114.2
145 23.6 23.8 35.8#

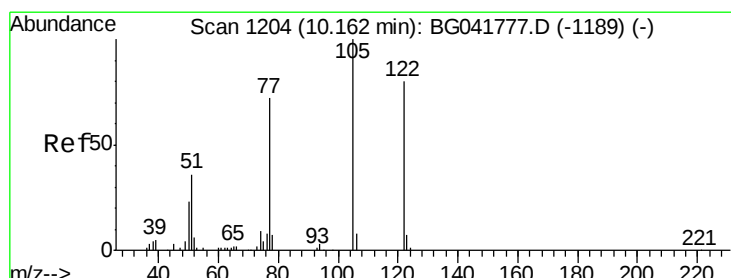
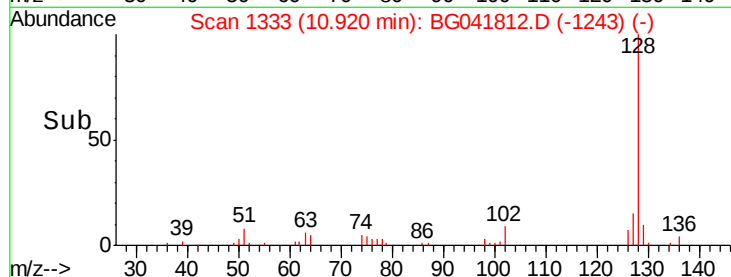
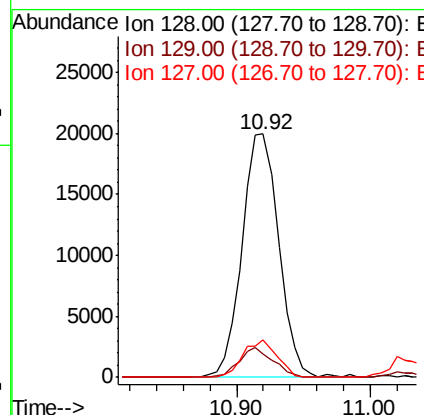
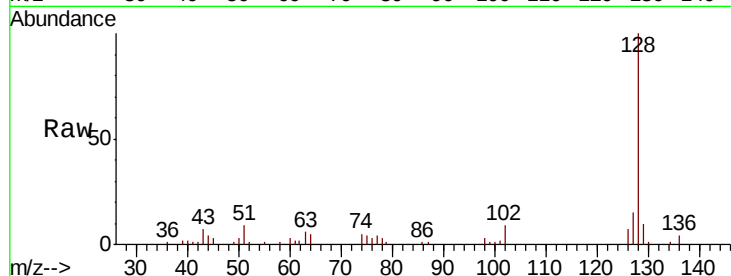




#31
Naphthalene
Concen: 2.404 ng
RT: 10.92 min Scan# 1333
Delta R.T. 0.00 min
Lab File: BG041812.D
Acq: 30 Jul 2019 21:53

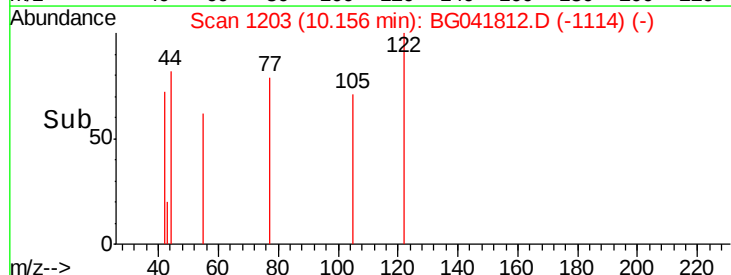
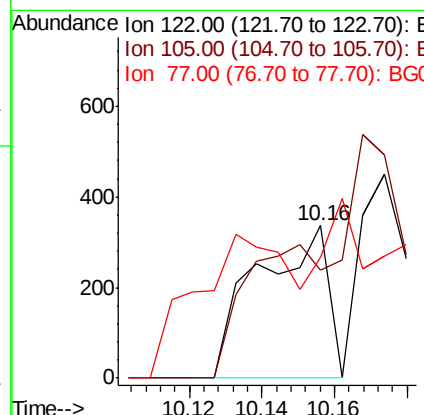
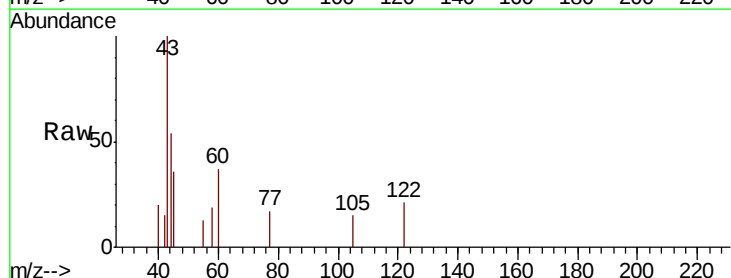
Instrument :
BNA_G
ClientSampleId :
OK-01-072919

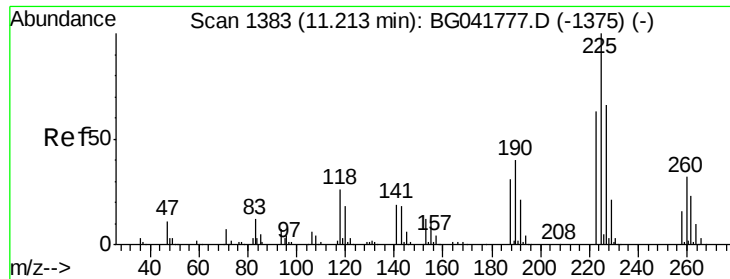
Tgt Ion:128 Resp: 37883
Ion Ratio Lower Upper
128 100
129 9.9 10.0 15.0#
127 15.2 12.3 18.5



#32
Benzoic acid
Concen: 8.847 ng
RT: 10.16 min Scan# 1203
Delta R.T. -0.00 min
Lab File: BG041812.D
Acq: 30 Jul 2019 21:53

Tgt Ion:122 Resp: 448
Ion Ratio Lower Upper
122 100
105 70.5 101.5 141.5#
77 79.2 73.0 113.0





#34

Hexachlorobutadiene

Concen: 2.115 ng

RT: 11.21 min Scan# 1383

Delta R.T. 0.00 min

Lab File: BG041812.D

Acq: 30 Jul 2019 21:53

Instrument :

BNA_G

ClientSampleId :

OK-01-072919

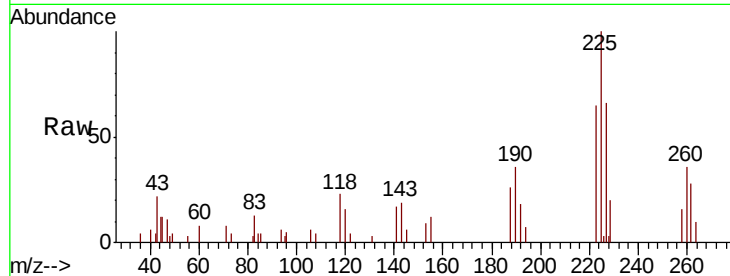
Tgt Ion: 225 Resp: 9517

Ion Ratio Lower Upper

225 100

223 65.0 51.1 76.7

227 65.9 50.9 76.3

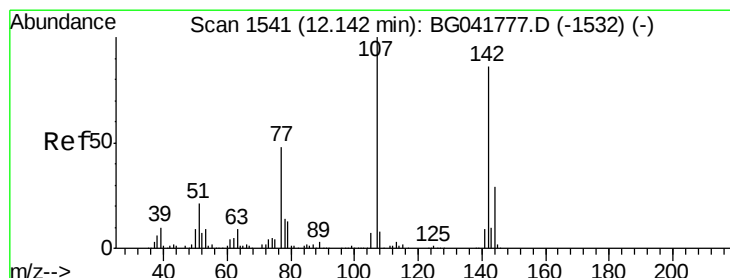
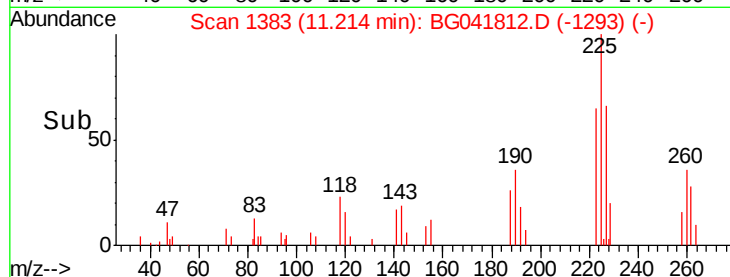
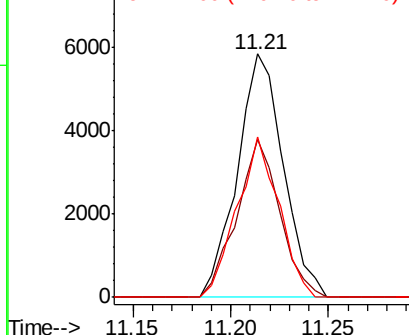


Abundance

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



#36

4-Chloro-3-methylphenol

Concen: 2.129 ng

RT: 12.14 min Scan# 1540

Delta R.T. -0.01 min

Lab File: BG041812.D

Acq: 30 Jul 2019 21:53

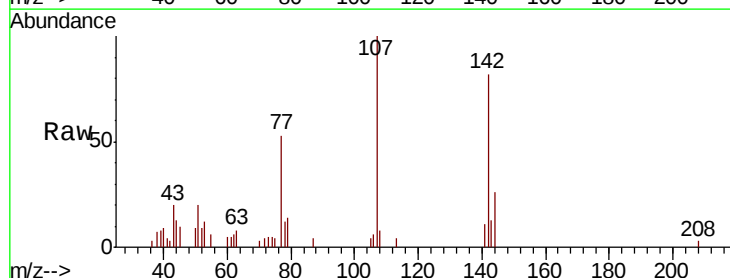
Tgt Ion: 107 Resp: 11099

Ion Ratio Lower Upper

107 100

144 26.0 22.2 33.2

142 82.2 67.3 100.9

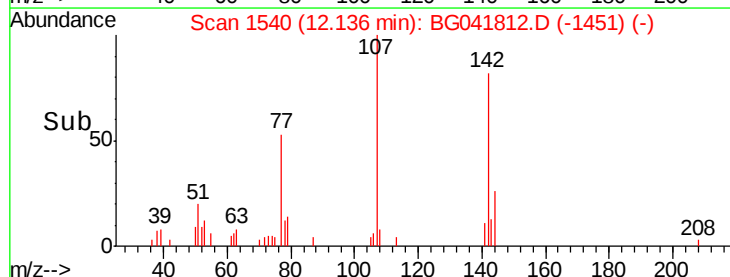
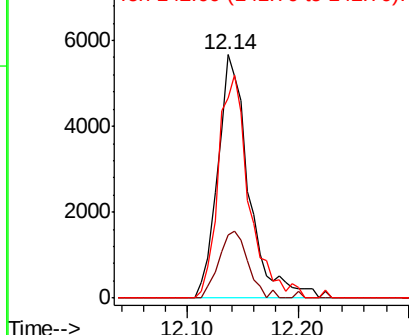


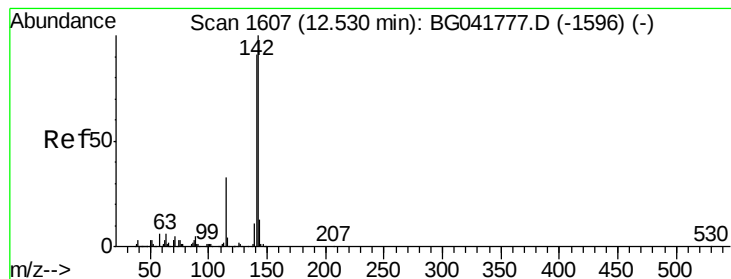
Abundance

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: 2.126 ng

RT: 12.53 min Scan# 1607

Delta R.T. 0.00 min

Lab File: BG041812.D

Acq: 30 Jul 2019 21:53

Instrument :

BNA_G

ClientSampleId :

OK-01-072919

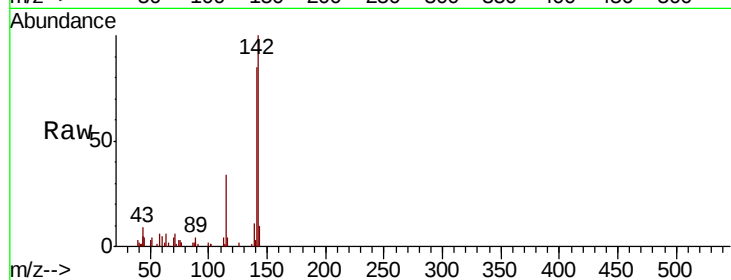
Tgt Ion:142 Resp: 26524

Ion Ratio Lower Upper

142 100

141 84.7 72.7 109.1

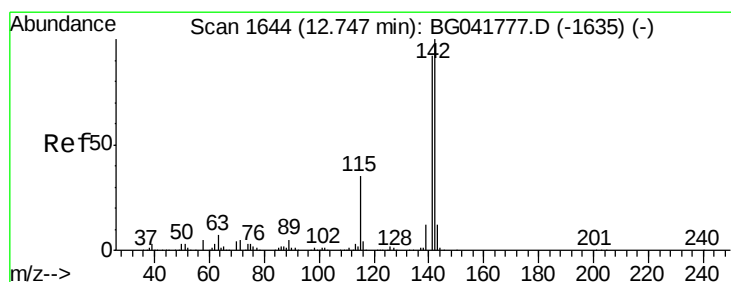
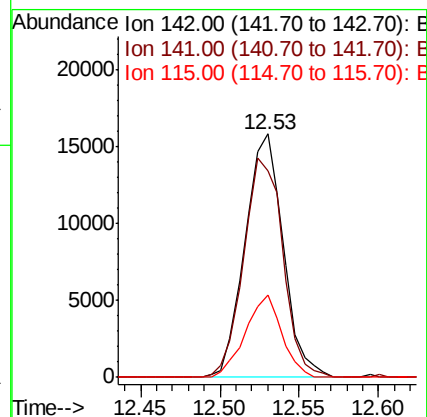
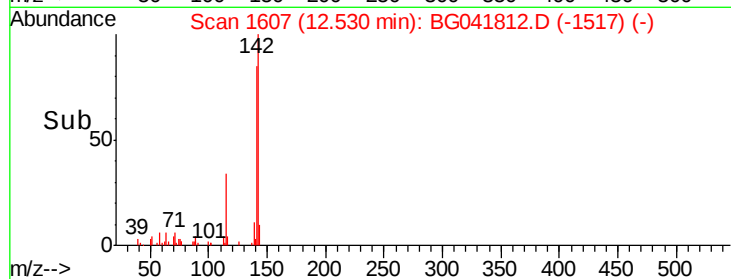
115 34.1 27.0 40.4



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: 2.205 ng

RT: 12.75 min Scan# 1644

Delta R.T. 0.00 min

Lab File: BG041812.D

Acq: 30 Jul 2019 21:53

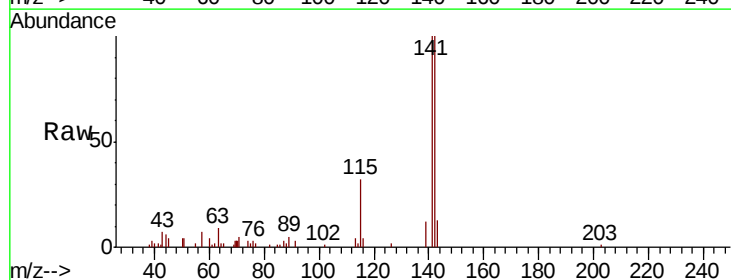
Tgt Ion:142 Resp: 26070

Ion Ratio Lower Upper

142 100

141 99.8 75.4 113.2

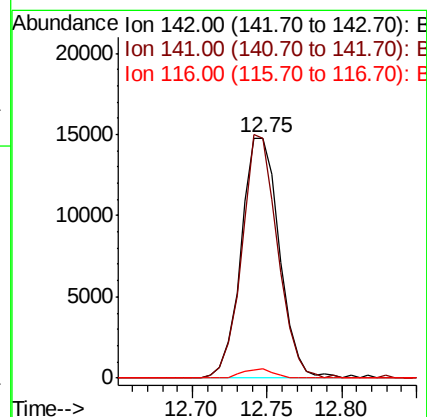
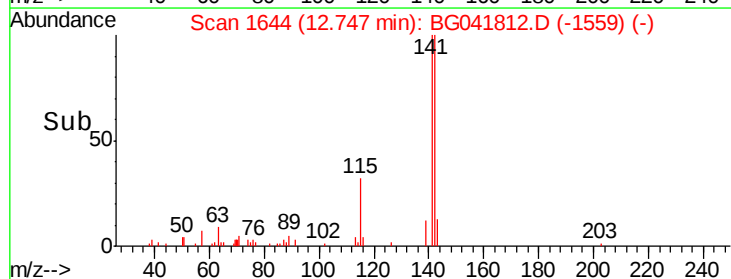
116 4.0 3.2 4.8

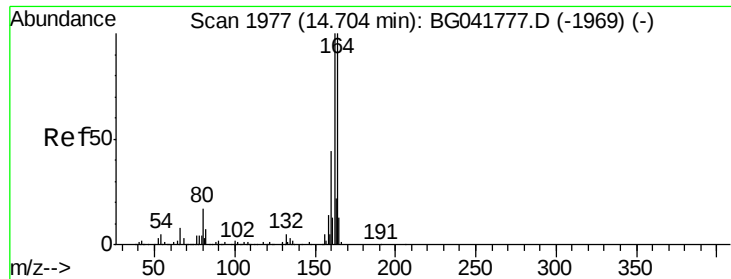


Abundance Ion 142.00 (141.70 to 142.70): E

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: 14.70 min Scan# 1976

Delta R.T. -0.01 min

Lab File: BG041812.D

Acq: 30 Jul 2019 21:53

Instrument :

BNA_G

ClientSampleId :

OK-01-072919

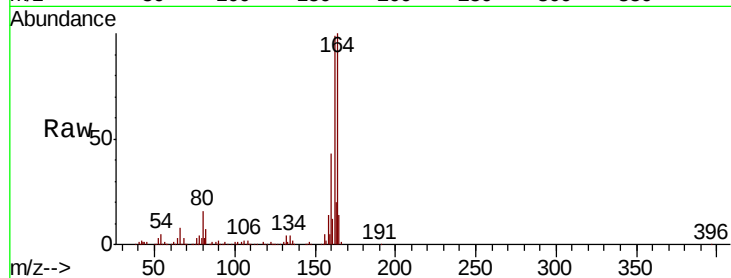
Tgt Ion:164 Resp: 236365

Ion Ratio Lower Upper

164 100

162 99.0 79.6 119.4

160 43.0 35.4 53.0

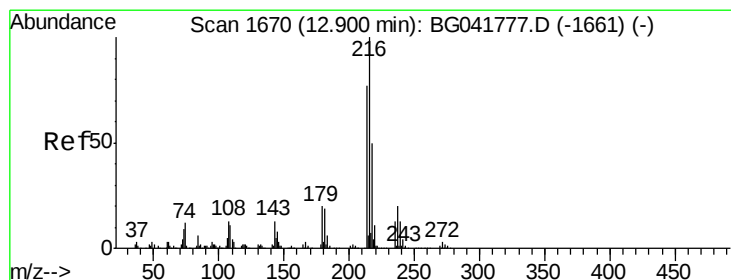
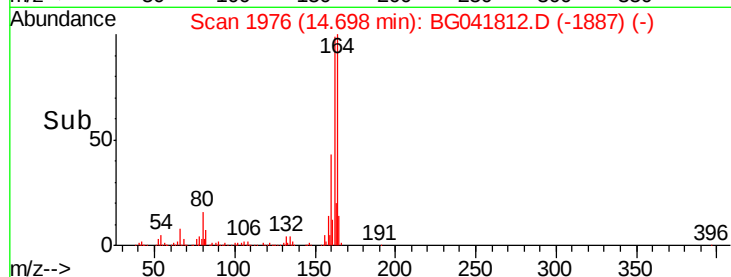
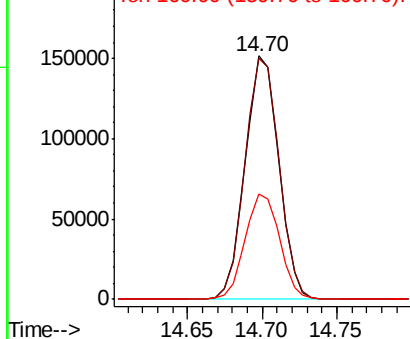


Abundance

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: 2.250 ng

RT: 12.89 min Scan# 1669

Delta R.T. -0.01 min

Lab File: BG041812.D

Acq: 30 Jul 2019 21:53

Tgt Ion:216 Resp: 16836

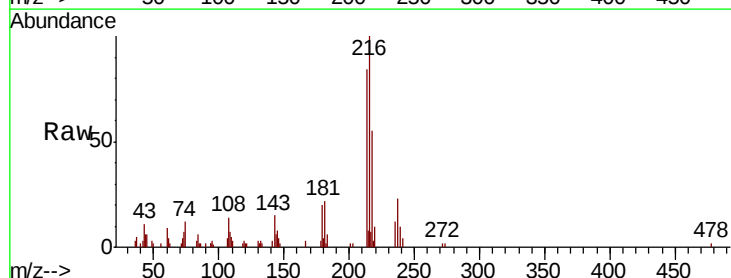
Ion Ratio Lower Upper

216 100

214 74.6 61.5 92.3

179 18.9 16.2 24.2

108 13.2 13.2 19.8#



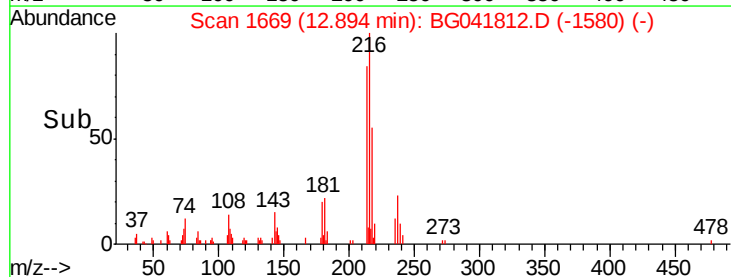
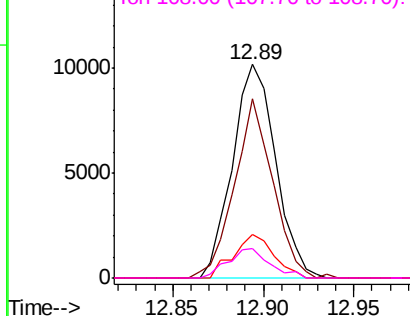
Abundance

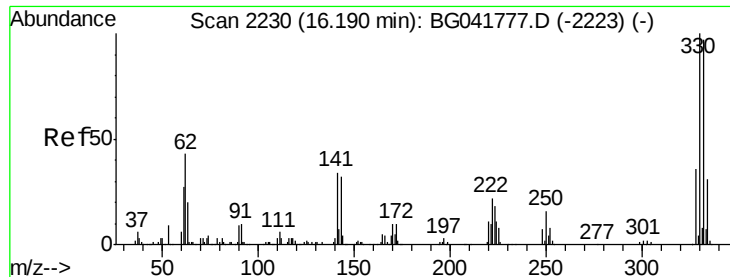
Ion 216.00 (215.70 to 216.70): E

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





#42

2,4,6-Tribromophenol

Concen: 165.755 ng

RT: 16.19 min Scan# 2230

Delta R.T. 0.00 min

Lab File: BG041812.D

Acq: 30 Jul 2019 21:53

Instrument :

BNA_G

ClientSampleId :

OK-01-072919

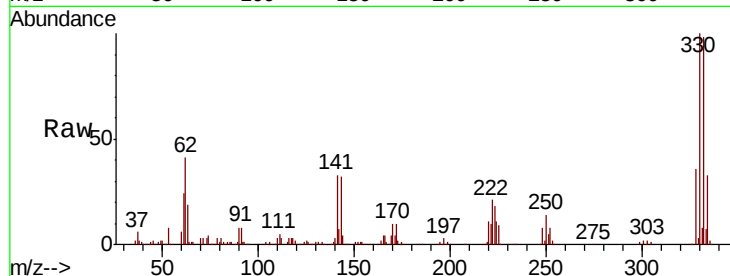
Tgt Ion:330 Resp: 445016

Ion Ratio Lower Upper

330 100

332 96.8 77.4 116.0

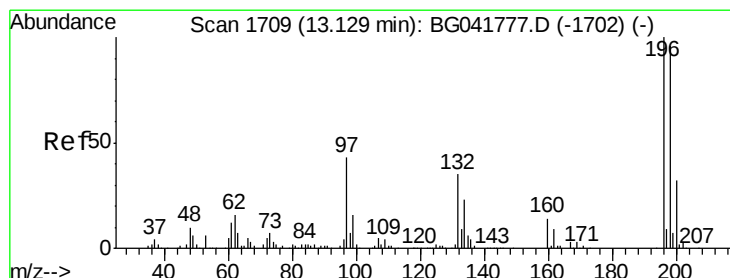
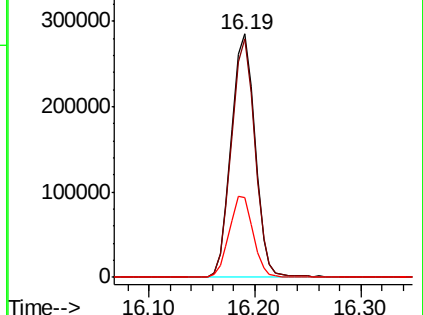
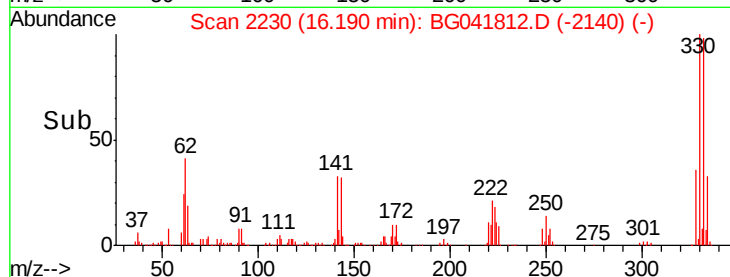
141 33.2 31.9 47.9



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: 2.241 ng

RT: 13.21 min Scan# 1722

Delta R.T. 0.08 min

Lab File: BG041812.D

Acq: 30 Jul 2019 21:53

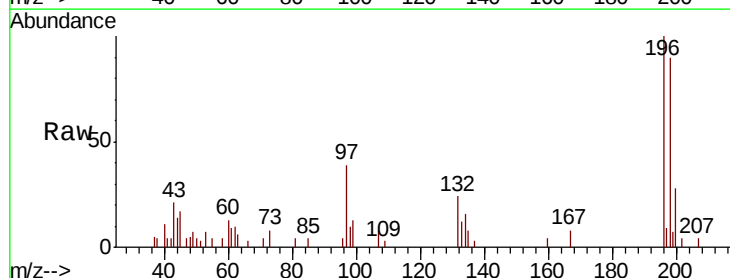
Tgt Ion:196 Resp: 10597

Ion Ratio Lower Upper

196 100

198 90.0 79.6 119.4

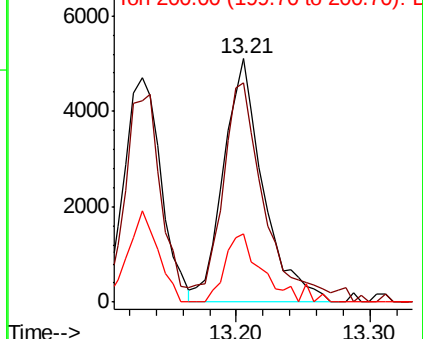
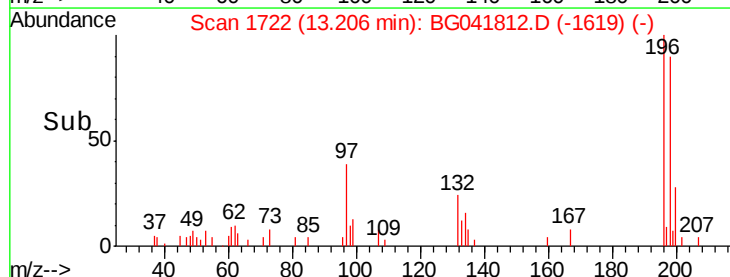
200 27.8 25.2 37.8

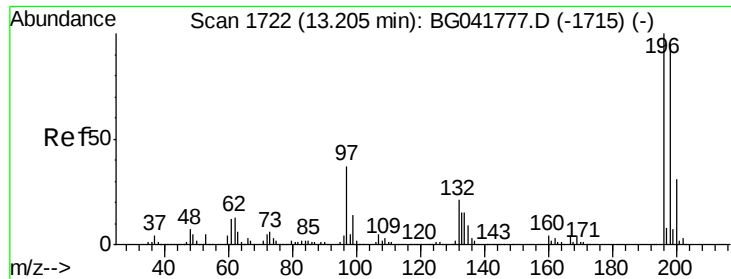


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

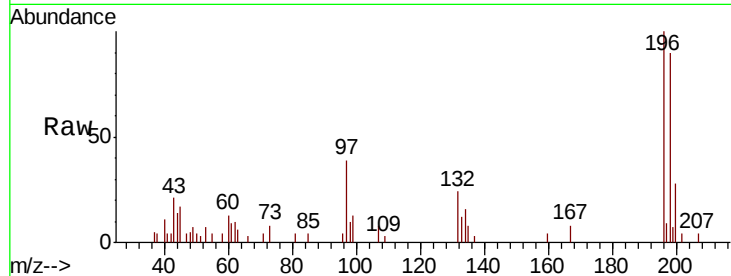




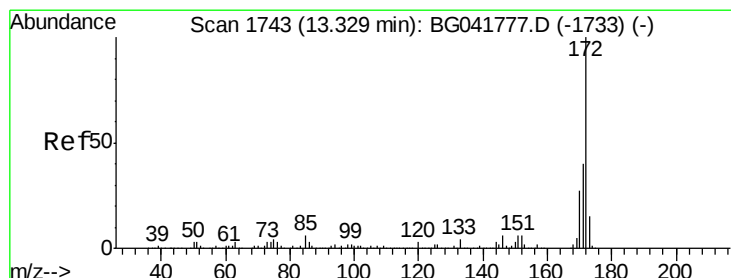
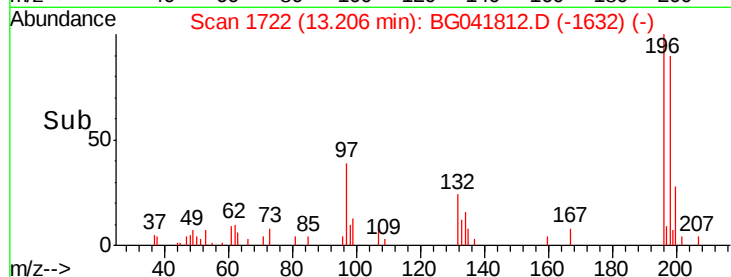
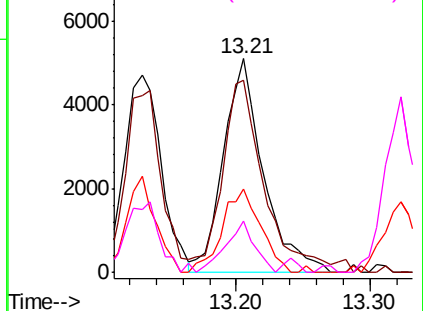
#44
 2,4,5-Trichlorophenol
 Concen: 2.156 ng
 RT: 13.21 min Scan# 1722
 Delta R.T. 0.00 min
 Lab File: BG041812.D
 Acq: 30 Jul 2019 21:53

Instrument :
 BNA_G
 ClientSampleId :
 OK-01-072919

Tgt Ion:196 Resp: 10597
 Ion Ratio Lower Upper
 196 100
 198 90.0 80.6 121.0
 97 39.1 33.9 50.9
 132 23.9 20.2 30.2

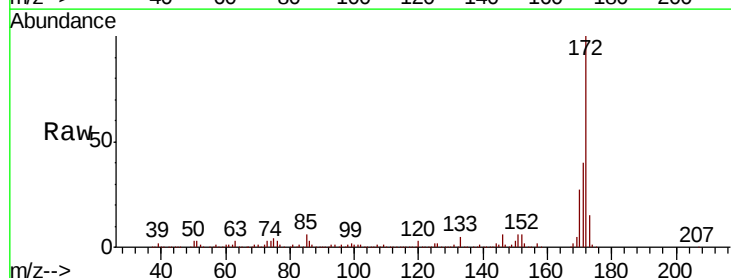


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BG
 Ion 132.00 (131.70 to 132.70): E

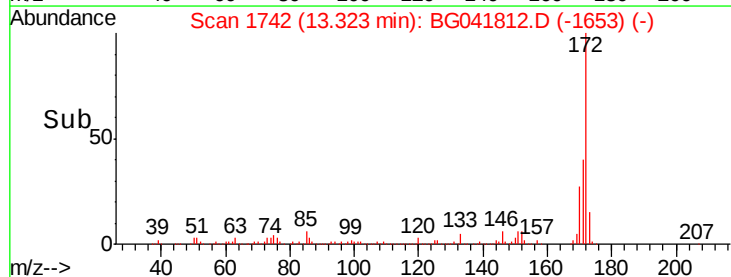
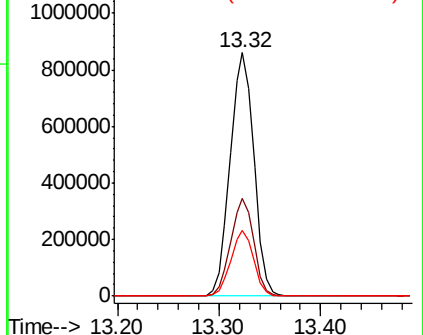


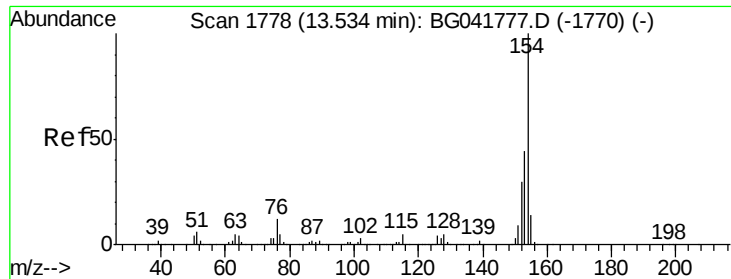
#45
 2-Fluorobiphenyl
 Concen: 104.055 ng
 RT: 13.32 min Scan# 1742
 Delta R.T. -0.01 min
 Lab File: BG041812.D
 Acq: 30 Jul 2019 21:53

Tgt Ion:172 Resp: 1394492
 Ion Ratio Lower Upper
 172 100
 171 40.4 35.0 52.4
 170 27.2 23.5 35.3



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

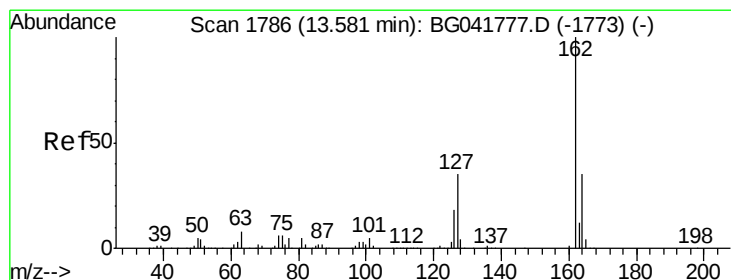
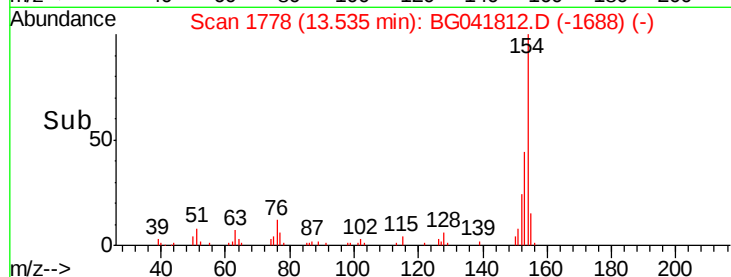
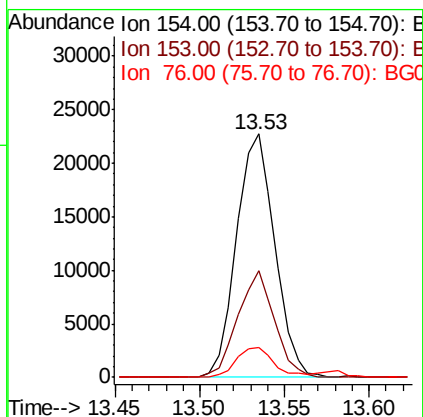
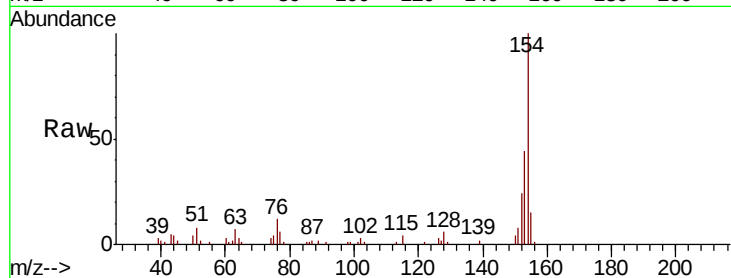




#46
 1,1'-Biphenyl
 Concen: 2.355 ng
 RT: 13.53 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: BG041812.D
 Acq: 30 Jul 2019 21:53

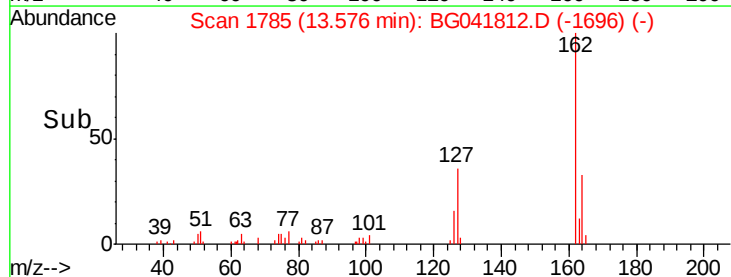
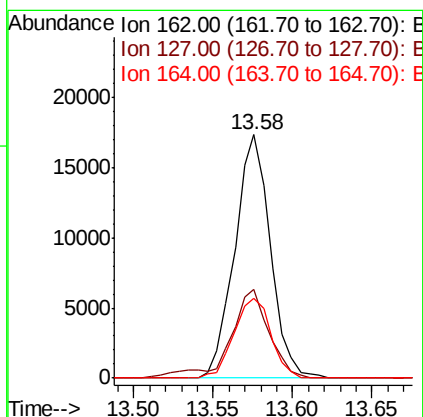
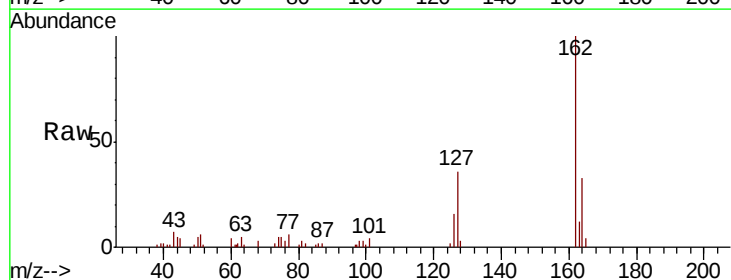
Instrument :
 BNA_G
 ClientSampleId :
 OK-01-072919

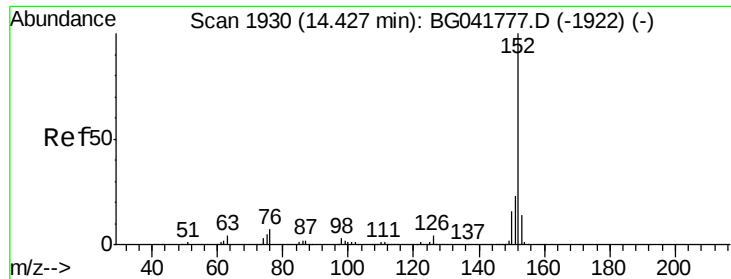
Tgt Ion:154 Resp: 35779
 Ion Ratio Lower Upper
 154 100
 153 44.0 25.0 65.0
 76 12.4 0.0 34.5



#47
 2-Chloronaphthalene
 Concen: 2.086 ng
 RT: 13.58 min Scan# 1785
 Delta R.T. -0.01 min
 Lab File: BG041812.D
 Acq: 30 Jul 2019 21:53

Tgt Ion:162 Resp: 26984
 Ion Ratio Lower Upper
 162 100
 127 36.4 30.4 45.6
 164 32.6 28.6 42.8





#49

Acenaphthylene

Concen: 2.265 ng

RT: 14.42 min Scan# 1929

Delta R.T. -0.01 min

Lab File: BG041812.D

Acq: 30 Jul 2019 21:53

Instrument :

BNA_G

ClientSampleId :

OK-01-072919

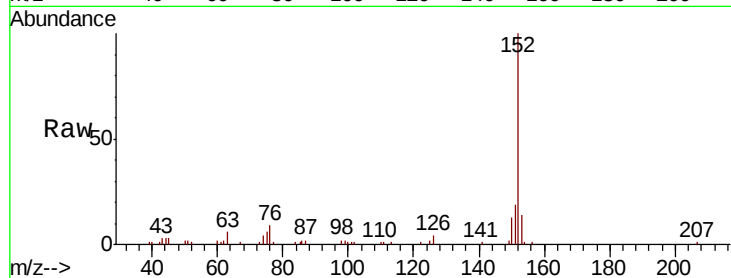
Tgt Ion:152 Resp: 43830

Ion Ratio Lower Upper

152 100

151 18.5 18.7 28.1#

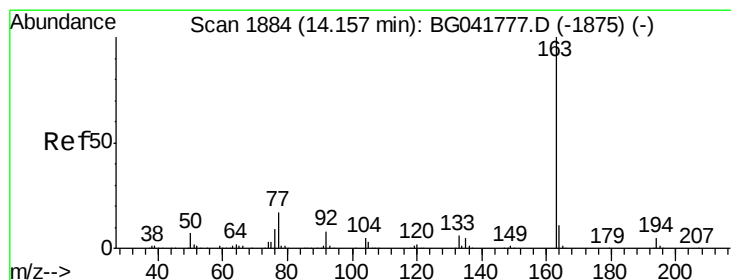
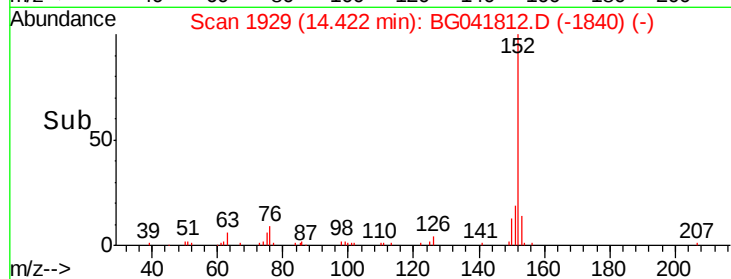
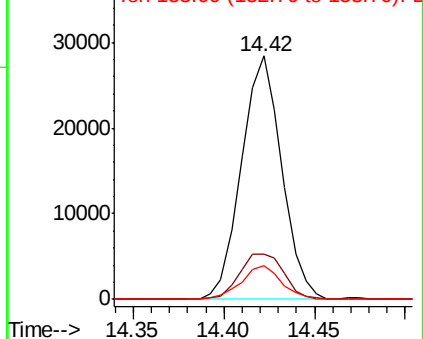
153 14.1 12.4 18.6



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: 2.844 ng

RT: 14.15 min Scan# 1882

Delta R.T. -0.01 min

Lab File: BG041812.D

Acq: 30 Jul 2019 21:53

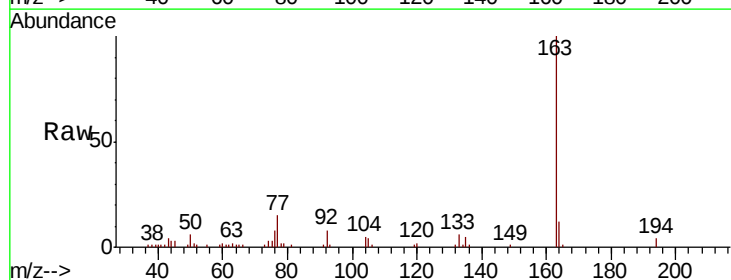
Tgt Ion:163 Resp: 45908

Ion Ratio Lower Upper

163 100

194 4.1 4.2 6.2#

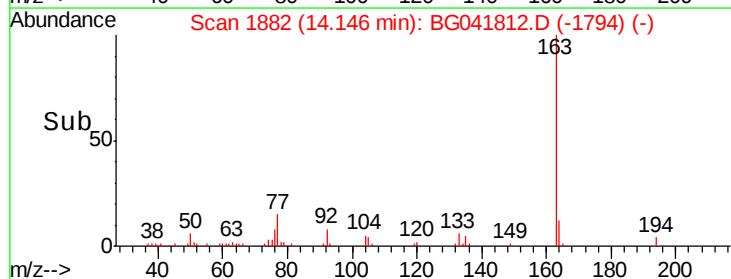
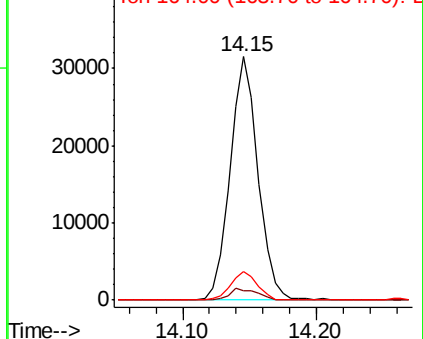
164 11.6 9.4 14.2

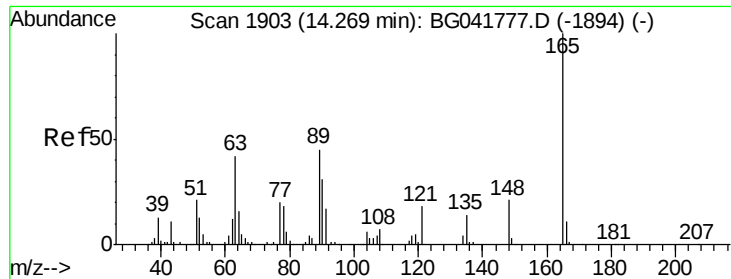


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 2.098 ng

RT: 14.26 min Scan# 1901

Delta R.T. -0.01 min

Lab File: BG041812.D

Acq: 30 Jul 2019 21:53

Instrument :

BNA_G

ClientSampleId :

OK-01-072919

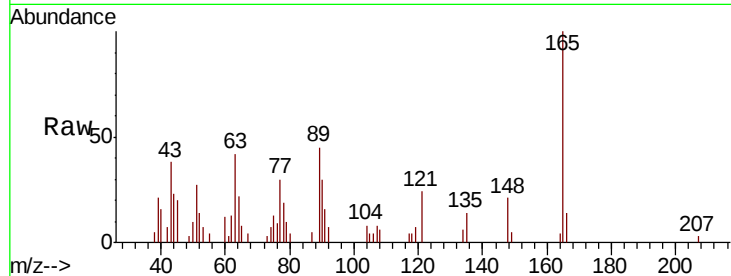
Tgt Ion:165 Resp: 7082

Ion Ratio Lower Upper

165 100

63 42.2 42.4 63.6#

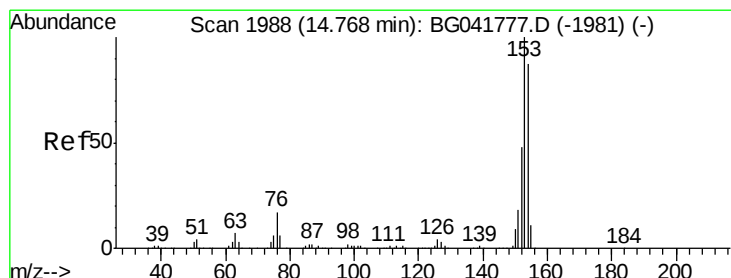
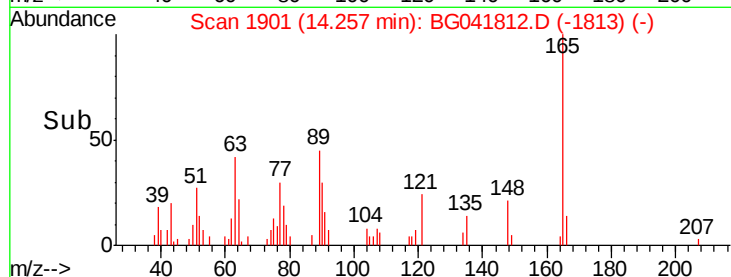
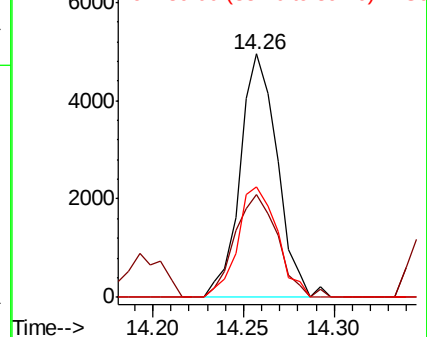
89 45.4 42.1 63.1



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0



#52

Acenaphthene

Concen: 2.079 ng

RT: 14.76 min Scan# 1987

Delta R.T. -0.01 min

Lab File: BG041812.D

Acq: 30 Jul 2019 21:53

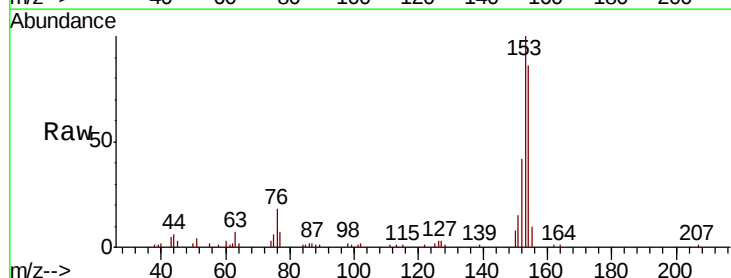
Tgt Ion:154 Resp: 26171

Ion Ratio Lower Upper

154 100

153 116.9 89.8 134.6

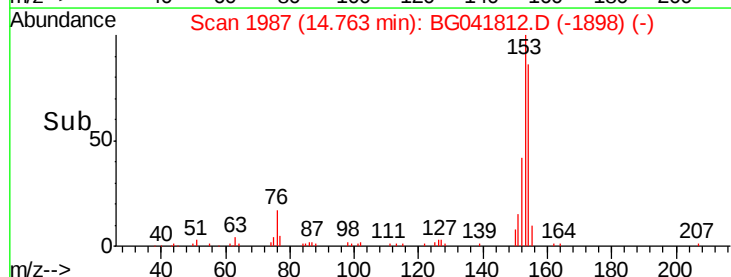
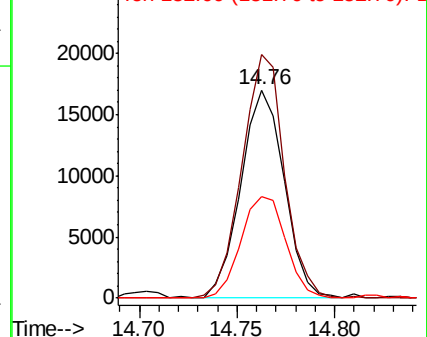
152 49.0 44.9 67.3

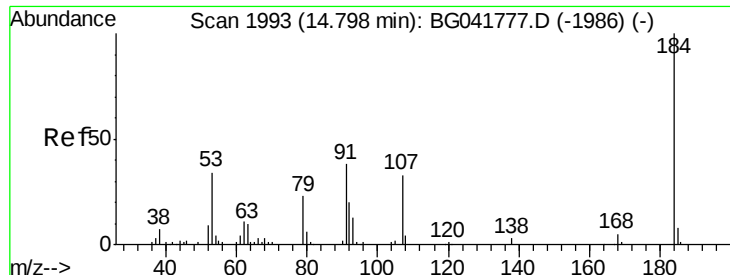


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

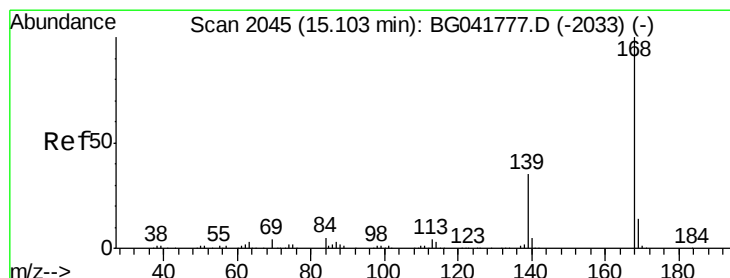
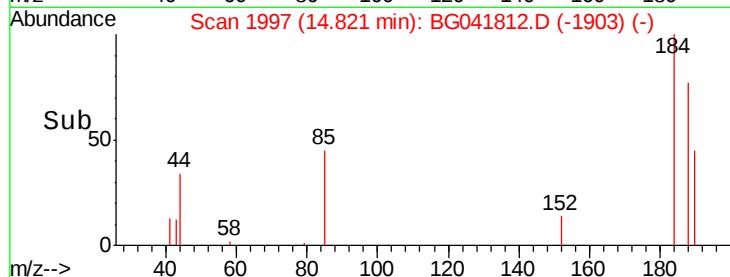
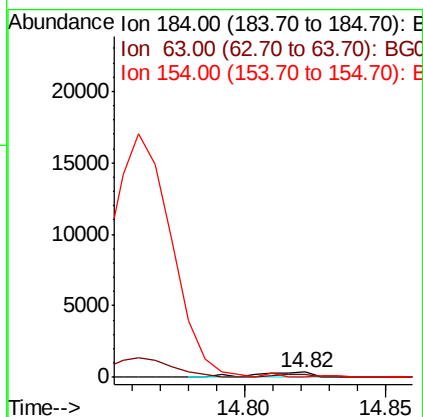
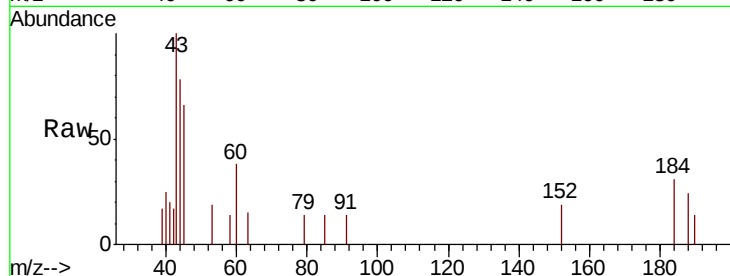




#54
 2,4-Dinitrophenol
 Concen: 3.575 ng
 RT: 14.82 min Scan# 1997
 Delta R.T. 0.02 min
 Lab File: BG041812.D
 Acq: 30 Jul 2019 21:53

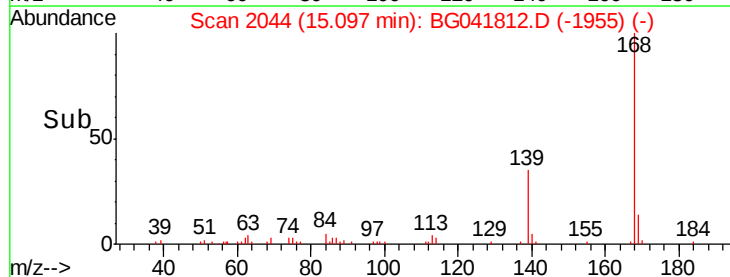
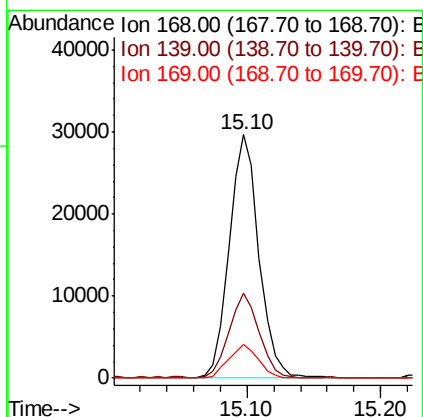
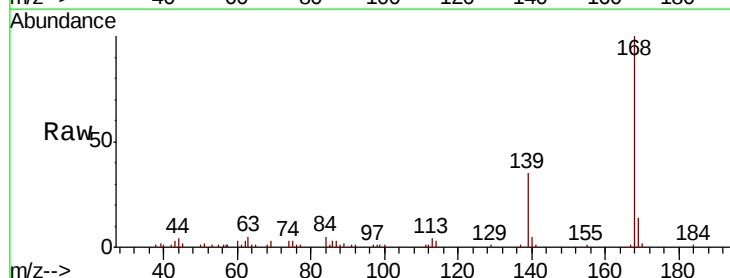
Instrument :
 BNA_G
 ClientSampleId :
 OK-01-072919

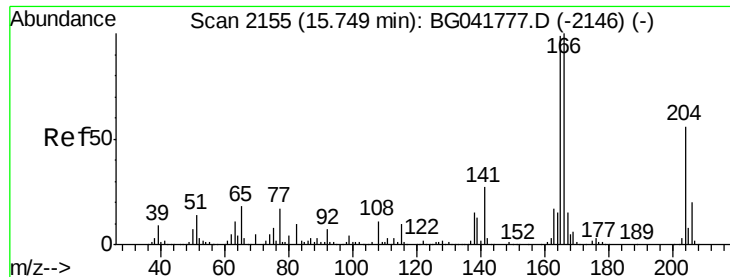
Tgt Ion:184 Resp: 472
 Ion Ratio Lower Upper
 184 100
 63 46.1 43.2 64.8
 154 0.0 51.4 77.2#



#55
 Dibenzofuran
 Concen: 2.381 ng
 RT: 15.10 min Scan# 2044
 Delta R.T. -0.01 min
 Lab File: BG041812.D
 Acq: 30 Jul 2019 21:53

Tgt Ion:168 Resp: 45836
 Ion Ratio Lower Upper
 168 100
 139 35.0 31.9 47.9
 169 13.8 12.5 18.7





#58

Fluorene

Concen: 2.413 ng

RT: 15.75 min Scan# 2155

Delta R.T. 0.00 min

Lab File: BG041812.D

Acq: 30 Jul 2019 21:53

Instrument :

BNA_G

ClientSampleId :

OK-01-072919

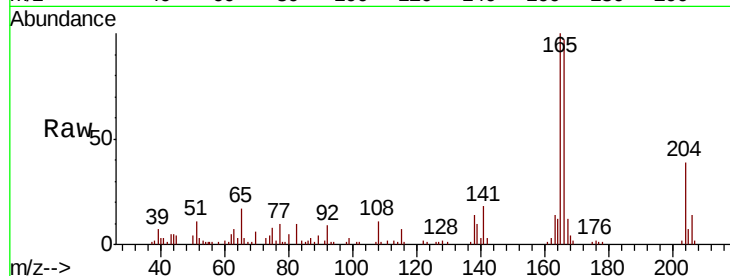
Tgt Ion:166 Resp: 37284

Ion Ratio Lower Upper

166 100

165 103.0 80.5 120.7

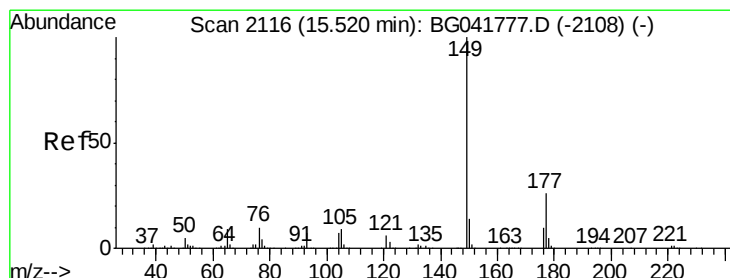
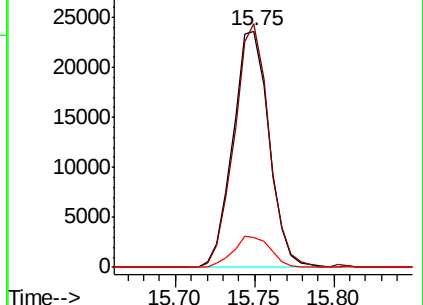
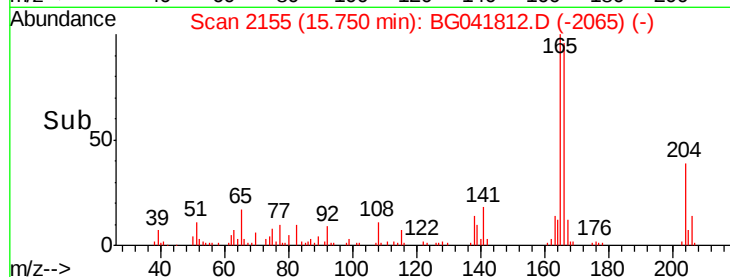
167 12.7 12.4 18.6



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#60

Diethylphthalate

Concen: 2.352 ng

RT: 15.51 min Scan# 2114

Delta R.T. -0.01 min

Lab File: BG041812.D

Acq: 30 Jul 2019 21:53

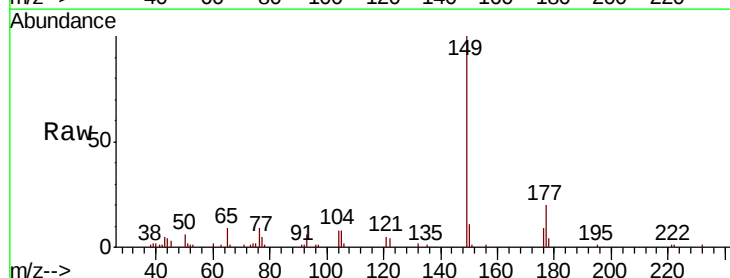
Tgt Ion:149 Resp: 37283

Ion Ratio Lower Upper

149 100

177 20.3 20.7 31.1#

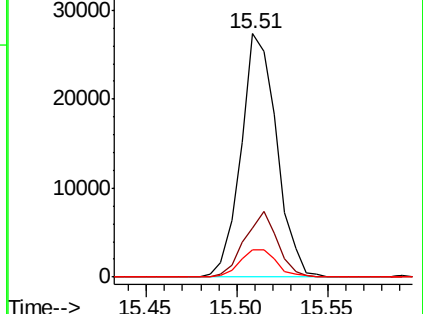
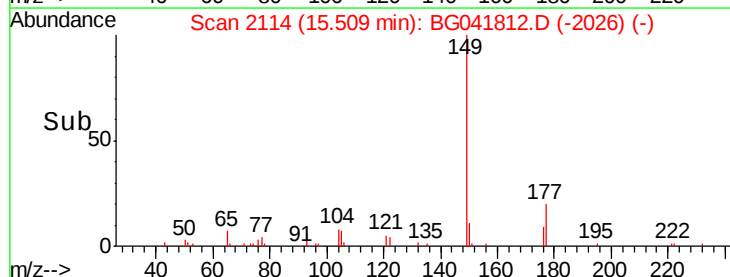
150 11.2 11.5 17.3#

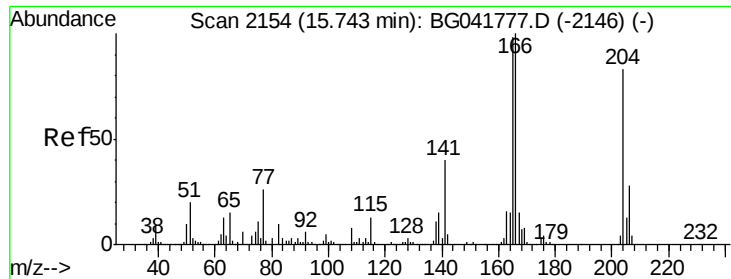


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

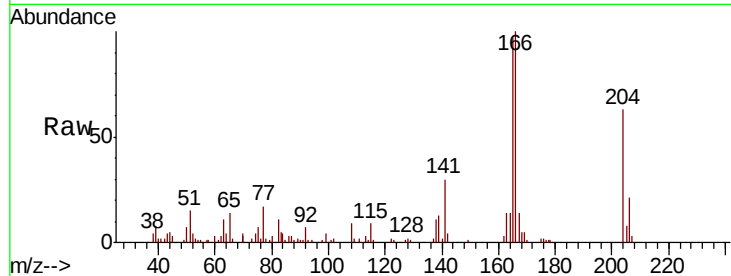




#61
 4-Chlorophenyl-phenylether
 Concen: 2.161 ng
 RT: 15.74 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: BG041812.D
 Acq: 30 Jul 2019 21:53

Instrument :
 BNA_G
 ClientSampleId :
 OK-01-072919

Tgt Ion	Ratio	Lower	Upper
204	100		
206	32.9	28.6	42.8
141	46.9	42.9	64.3

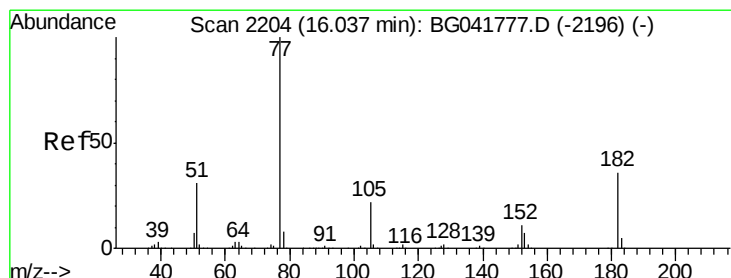
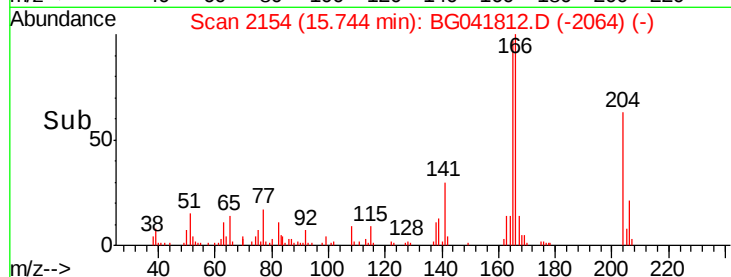
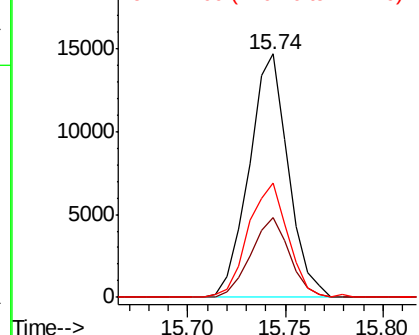


Abundance

Ion 204.00 (203.70 to 204.70): E

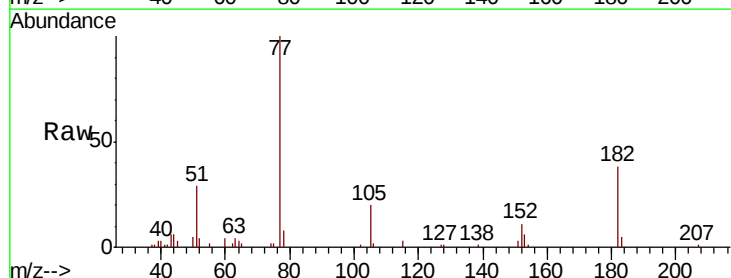
Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#63
 Azobenzene
 Concen: 2.221 ng
 RT: 16.03 min Scan# 2203
 Delta R.T. -0.01 min
 Lab File: BG041812.D
 Acq: 30 Jul 2019 21:53

Tgt Ion	Ratio	Lower	Upper
77	100		
182	37.8	13.2	53.2
105	20.2	2.2	42.2
51	28.8	14.6	54.6



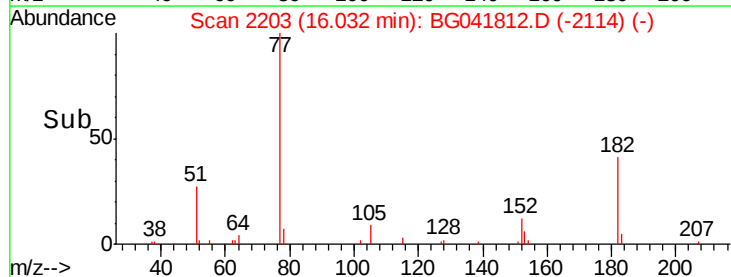
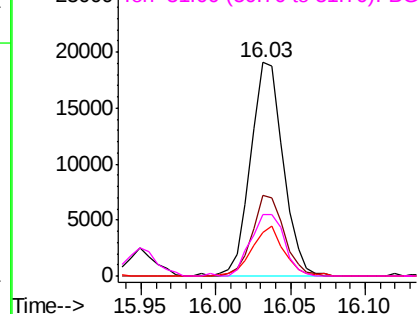
Abundance

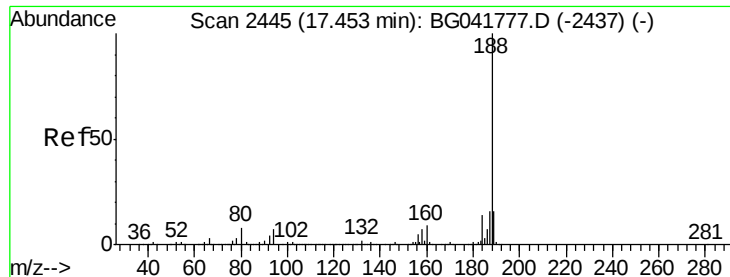
Ion 77.00 (76.70 to 77.70): BGC

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: 17.45 min Scan# 2444

Delta R.T. -0.01 min

Lab File: BG041812.D

Acq: 30 Jul 2019 21:53

Instrument :

BNA_G

ClientSampleId :

OK-01-072919

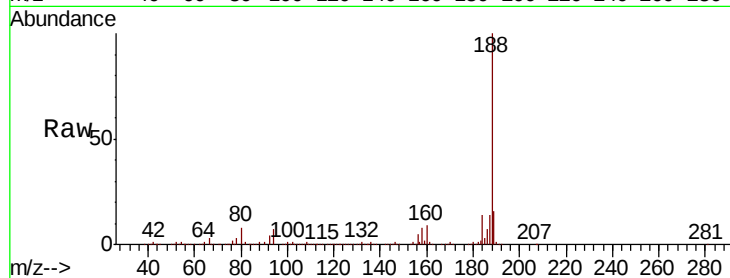
Tgt Ion:188 Resp: 584935

Ion Ratio Lower Upper

188 100

94 7.3 6.9 10.3

80 8.2 8.0 12.0



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

500000

400000

300000

200000

100000

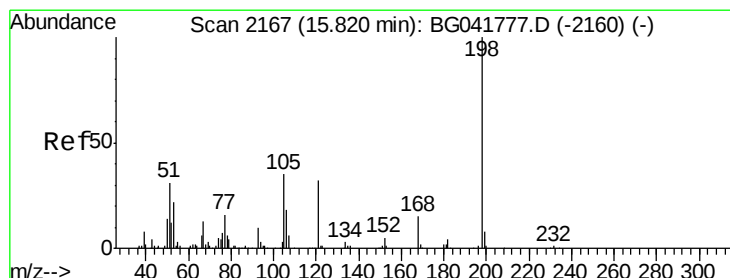
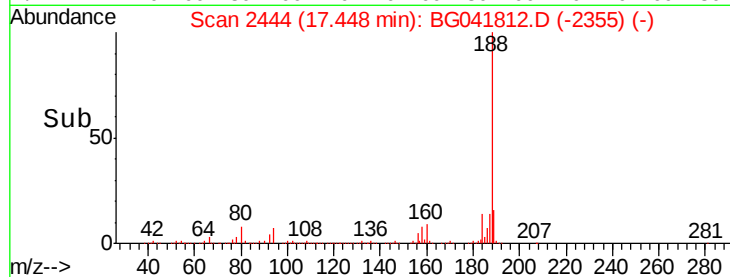
0

17.45

17.40

17.50

Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 7.606 ng

RT: 15.82 min Scan# 2167

Delta R.T. 0.00 min

Lab File: BG041812.D

Acq: 30 Jul 2019 21:53

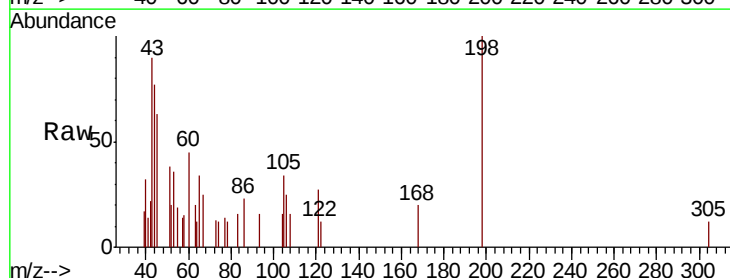
Tgt Ion:198 Resp: 2518

Ion Ratio Lower Upper

198 100

51 38.0 22.3 62.3

105 33.6 18.0 58.0



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

3000

2000

1000

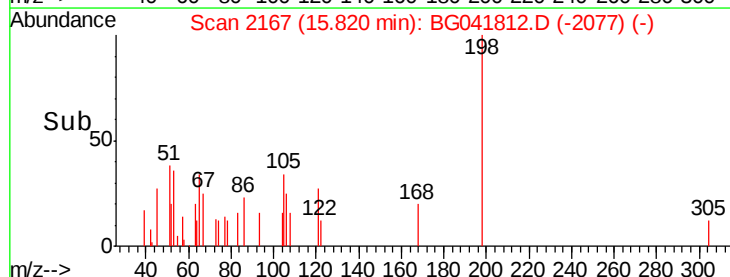
0

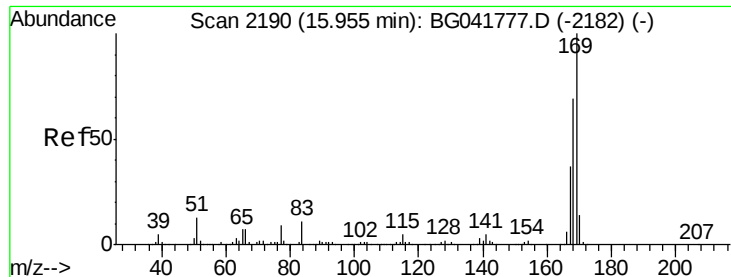
15.82

15.75

15.85

Time-->

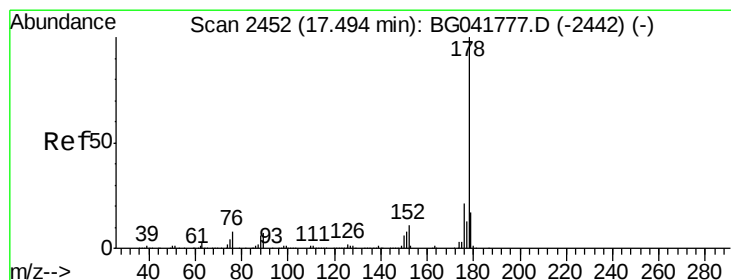
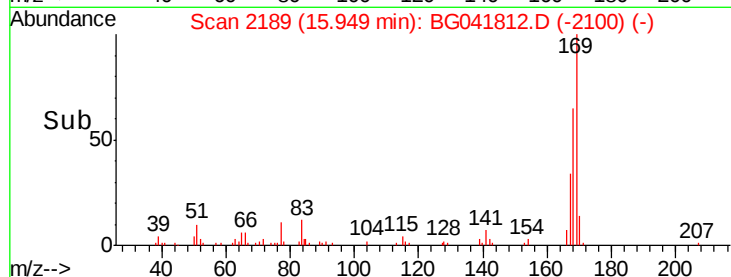
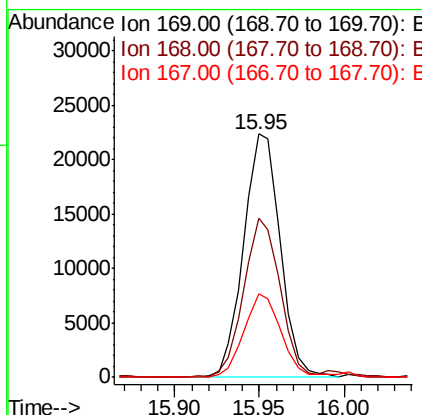
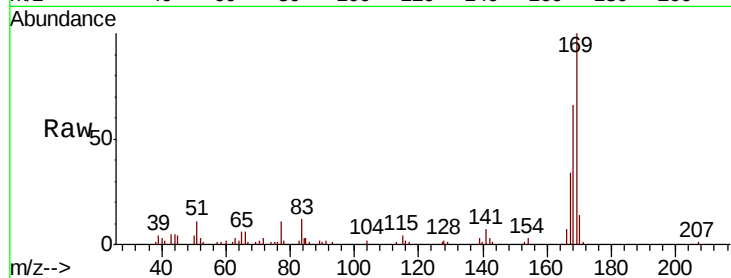




#66
n-Nitrosodiphenylamine
Concen: 2.117 ng
RT: 15.95 min Scan# 2189
Delta R.T. -0.01 min
Lab File: BG041812.D
Acq: 30 Jul 2019 21:53

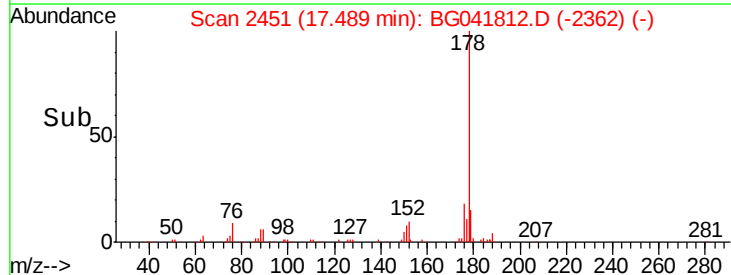
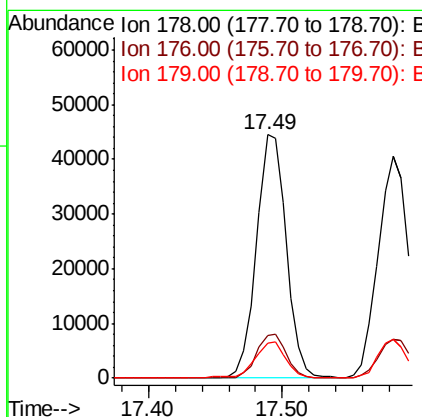
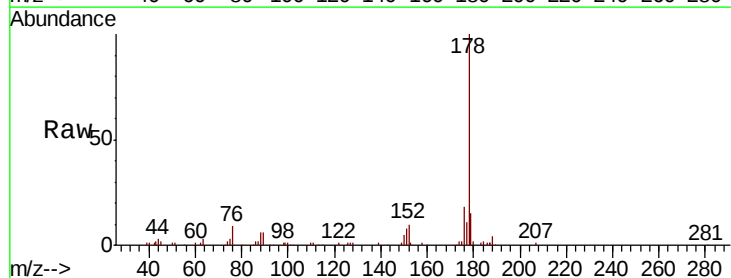
Instrument :
BNA_G
ClientSampleId :
OK-01-072919

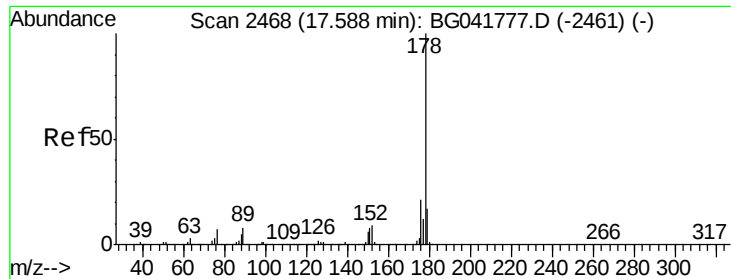
Tgt Ion:169 Resp: 33728
Ion Ratio Lower Upper
169 100
168 65.5 56.9 85.3
167 34.4 31.5 47.3



#71
Phenanthrene
Concen: 2.439 ng
RT: 17.49 min Scan# 2451
Delta R.T. -0.01 min
Lab File: BG041812.D
Acq: 30 Jul 2019 21:53

Tgt Ion:178 Resp: 68386
Ion Ratio Lower Upper
178 100
176 17.8 18.6 28.0#
179 14.6 15.4 23.0#





#72

Anthracene

Concen: 2.310 ng

RT: 17.58 min Scan# 2467

Delta R.T. -0.01 min

Lab File: BG041812.D

Acq: 30 Jul 2019 21:53

Instrument :

BNA_G

ClientSampleId :

OK-01-072919

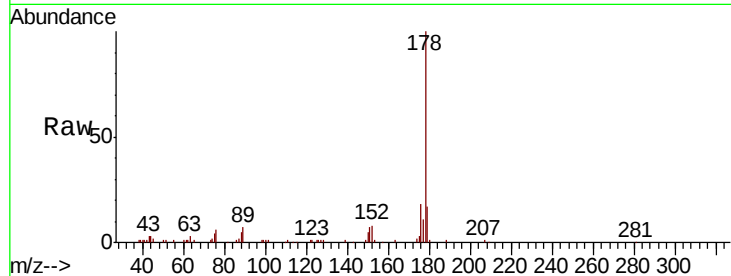
Tgt Ion:178 Resp: 64591

Ion Ratio Lower Upper

178 100

176 17.6 18.6 28.0#

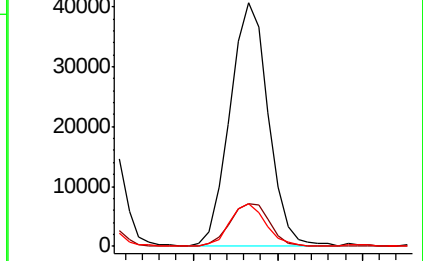
179 17.3 15.1 22.7



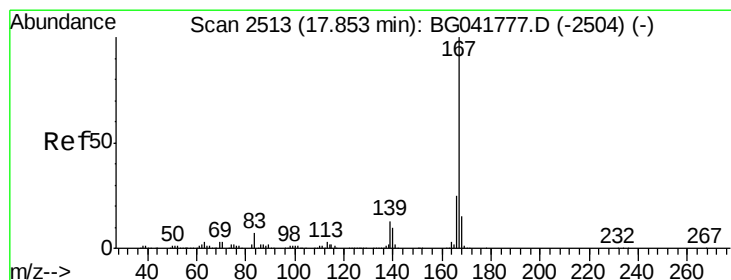
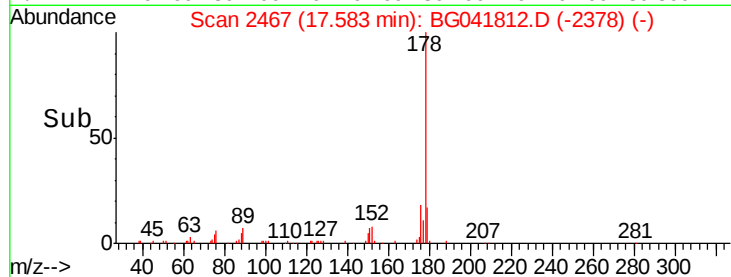
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#73

Carbazole

Concen: 2.507 ng

RT: 17.85 min Scan# 2512

Delta R.T. -0.01 min

Lab File: BG041812.D

Acq: 30 Jul 2019 21:53

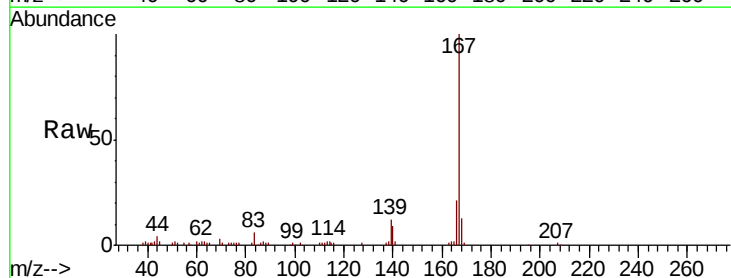
Tgt Ion:167 Resp: 62918

Ion Ratio Lower Upper

167 100

166 21.3 21.4 32.2#

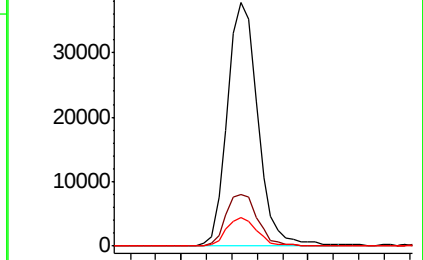
139 11.5 12.1 18.1#



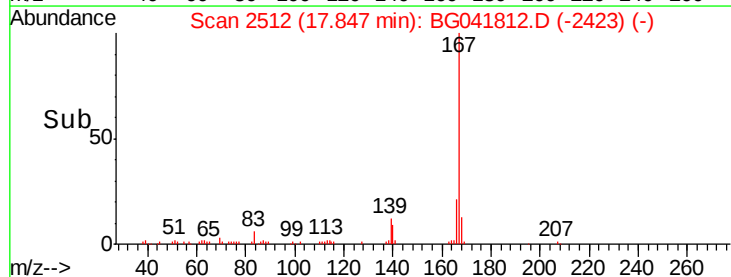
Abundance Ion 167.00 (166.70 to 167.70): E

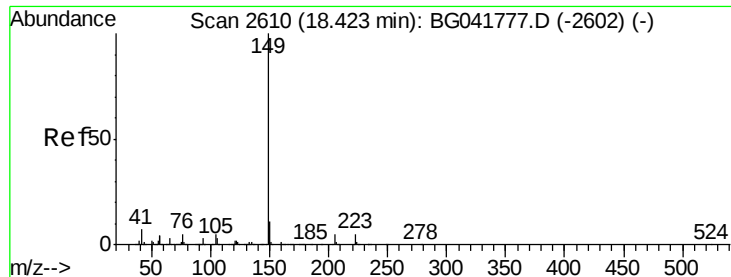
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



Time-->





#74

Di-n-butylphthalate

Concen: 2.462 ng

RT: 18.42 min Scan# 2609

Delta R.T. -0.01 min

Lab File: BG041812.D

Acq: 30 Jul 2019 21:53

Instrument :

BNA_G

ClientSampleId :

OK-01-072919

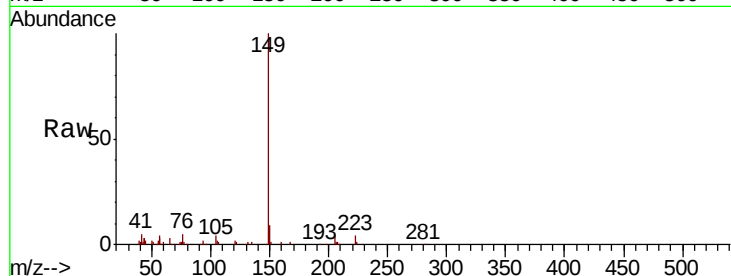
Tgt Ion:149 Resp: 70046

Ion Ratio Lower Upper

149 100

150 9.4 10.2 15.2#

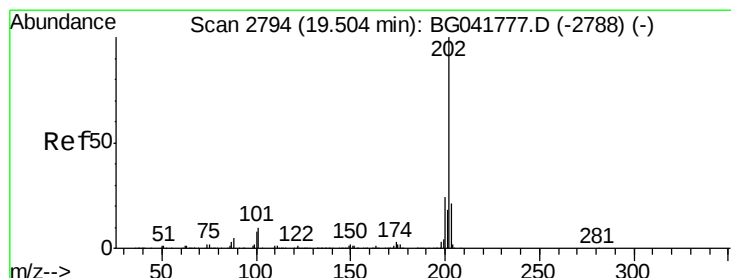
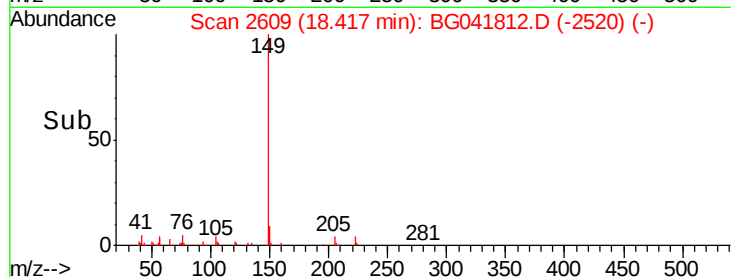
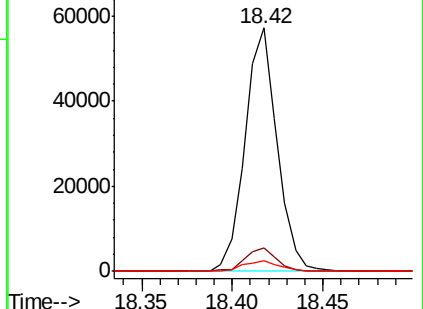
104 4.3 5.3 7.9#



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: 2.697 ng

RT: 19.50 min Scan# 2794

Delta R.T. 0.00 min

Lab File: BG041812.D

Acq: 30 Jul 2019 21:53

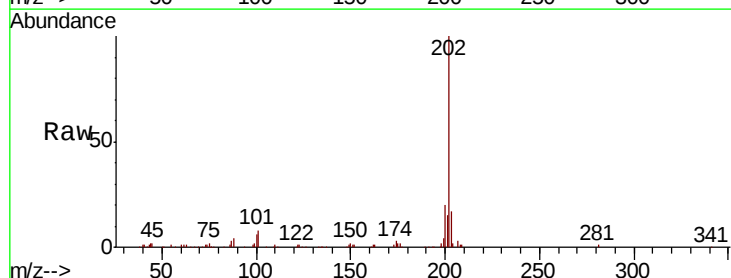
Tgt Ion:202 Resp: 91927

Ion Ratio Lower Upper

202 100

101 8.4 0.0 32.8

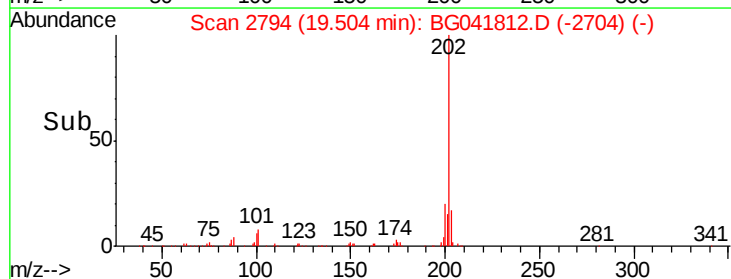
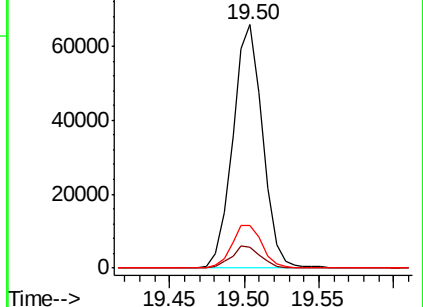
203 17.4 3.7 43.7

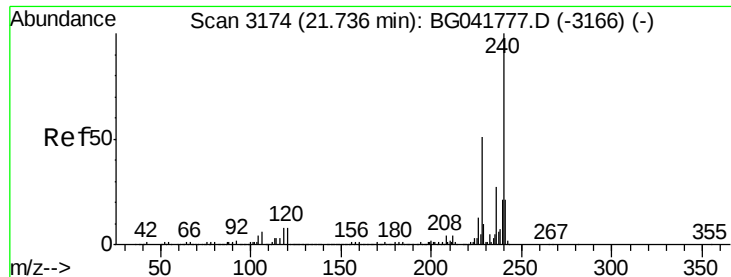


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

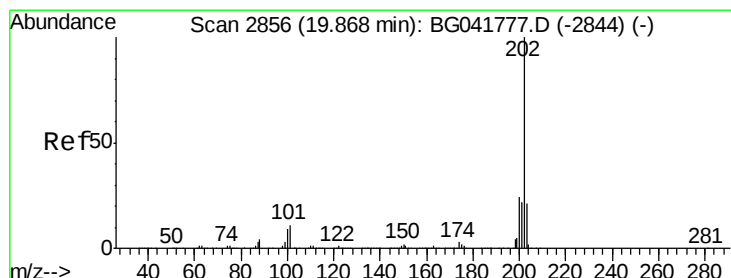
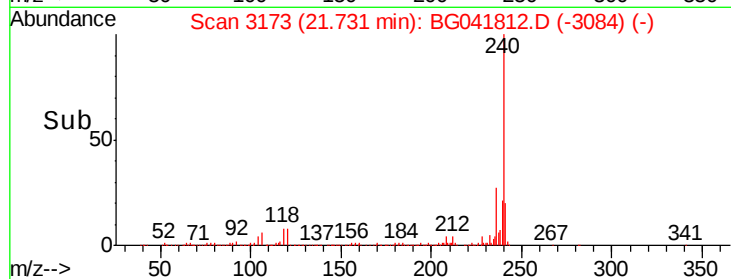
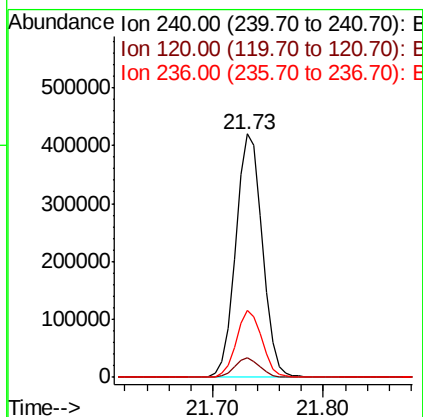
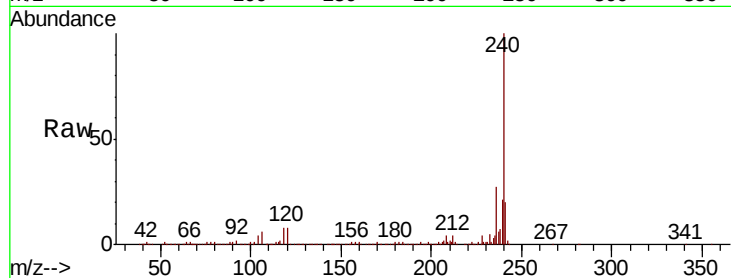




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.73 min Scan# 3173
Delta R.T. -0.01 min
Lab File: BG041812.D
Acq: 30 Jul 2019 21:53

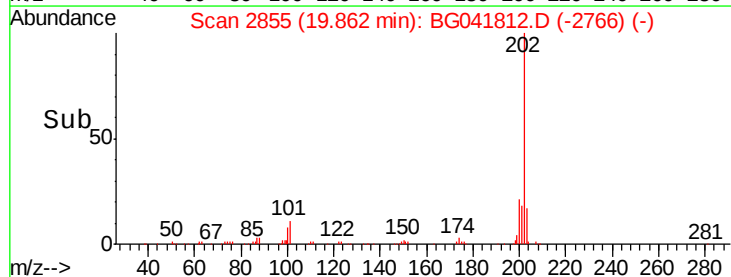
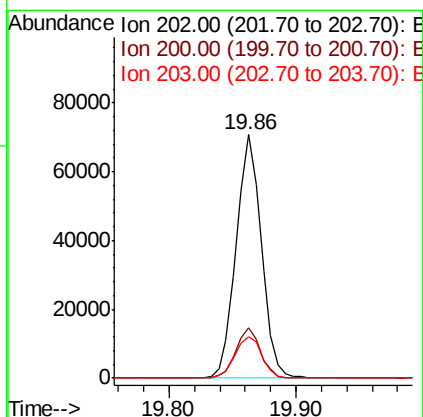
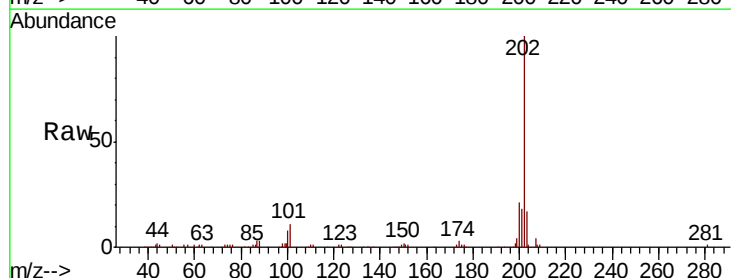
Instrument :
BNA_G
ClientSampleId :
OK-01-072919

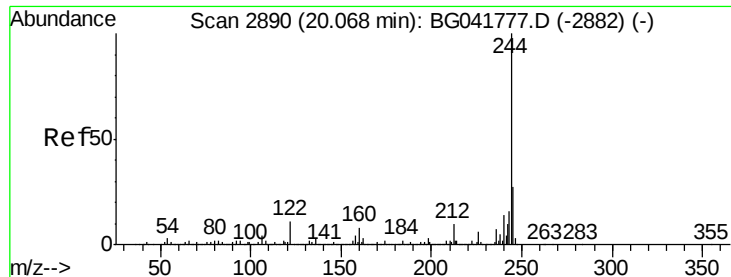
Tgt Ion: 240 Resp: 712755
Ion Ratio Lower Upper
240 100
120 8.1 8.0 12.0
236 27.4 22.6 33.8



#78
Pyrene
Concen: 2.304 ng
RT: 19.86 min Scan# 2855
Delta R.T. -0.01 min
Lab File: BG041812.D
Acq: 30 Jul 2019 21:53

Tgt Ion: 202 Resp: 97289
Ion Ratio Lower Upper
202 100
200 20.7 22.2 33.2#
203 17.2 18.9 28.3#





#79

Terphenyl-d14

Concen: 82.455 ng

RT: 20.07 min Scan# 2890

Delta R.T. 0.00 min

Lab File: BG041812.D

Acq: 30 Jul 2019 21:53

Instrument :

BNA_G

ClientSampleId :

OK-01-072919

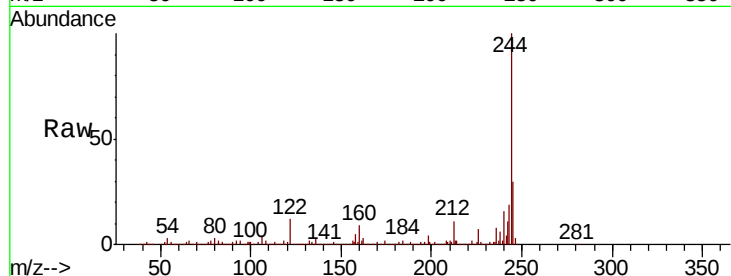
Tgt Ion:244 Resp: 2568336

Ion Ratio Lower Upper

244 100

212 10.8 9.7 14.5

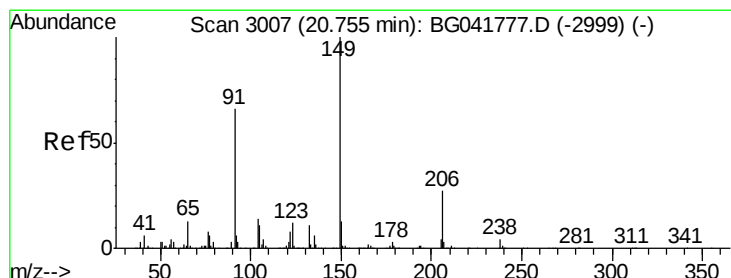
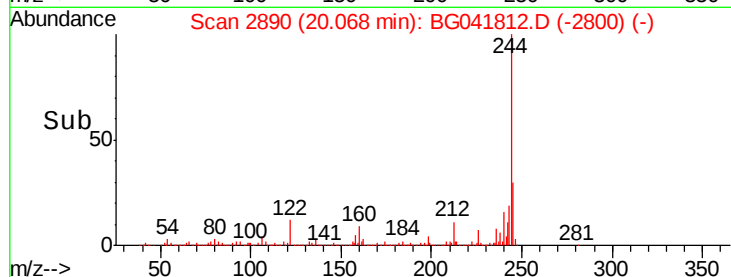
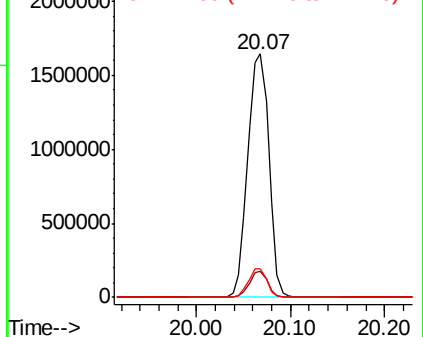
122 11.7 12.5 18.7#



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: 2.105 ng

RT: 20.75 min Scan# 3006

Delta R.T. -0.01 min

Lab File: BG041812.D

Acq: 30 Jul 2019 21:53

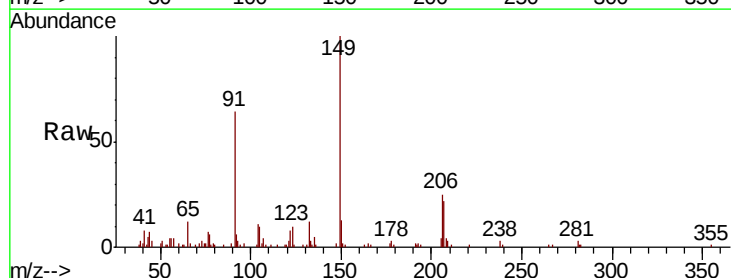
Tgt Ion:149 Resp: 34084

Ion Ratio Lower Upper

149 100

91 64.2 58.9 88.3

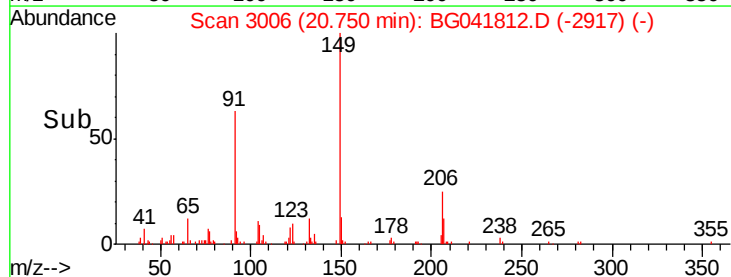
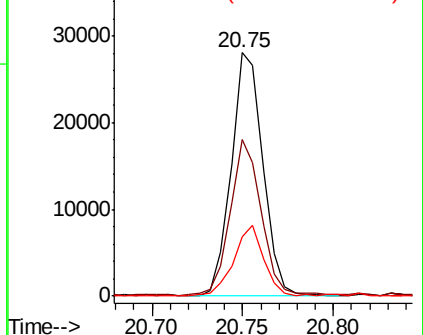
206 24.6 20.8 31.2

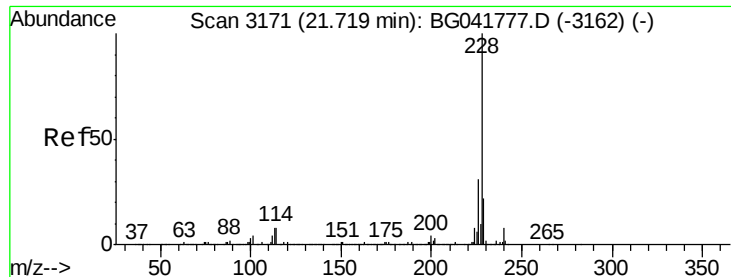


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E

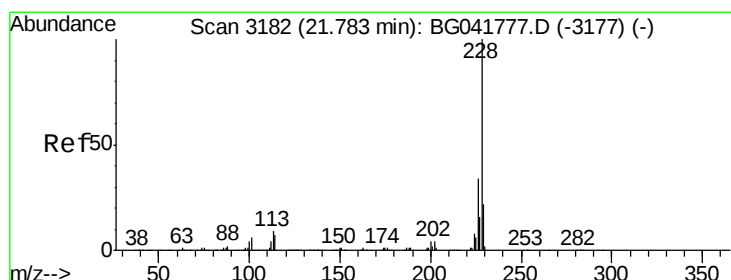
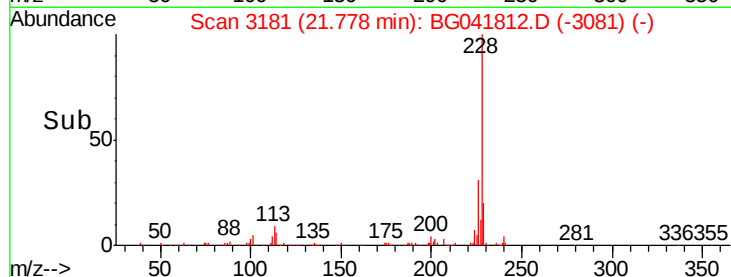
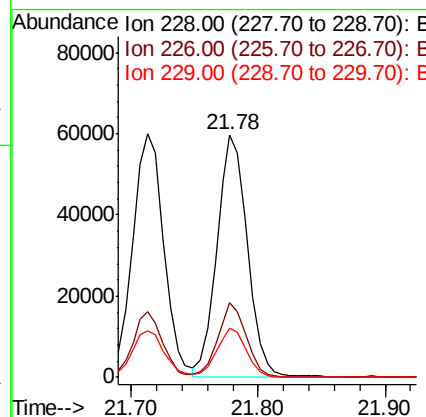
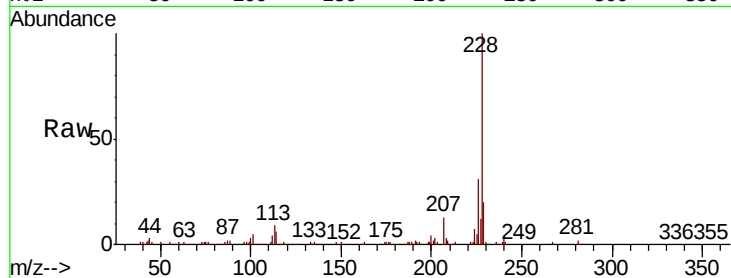




#81
Benzo(a)anthracene
Concen: 2.367 ng
RT: 21.78 min Scan# 3181
Delta R.T. 0.06 min
Lab File: BG041812.D
Acq: 30 Jul 2019 21:53

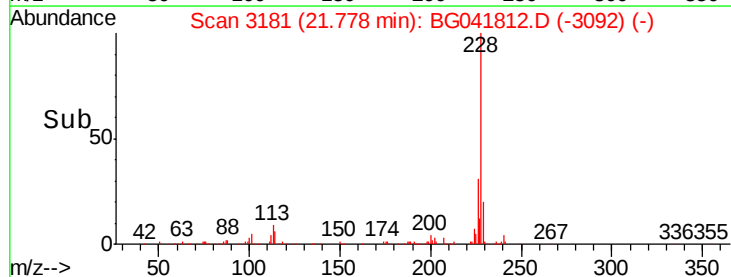
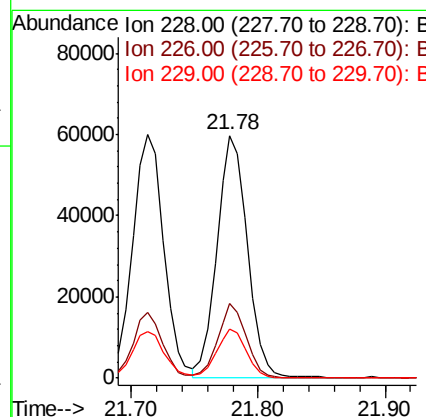
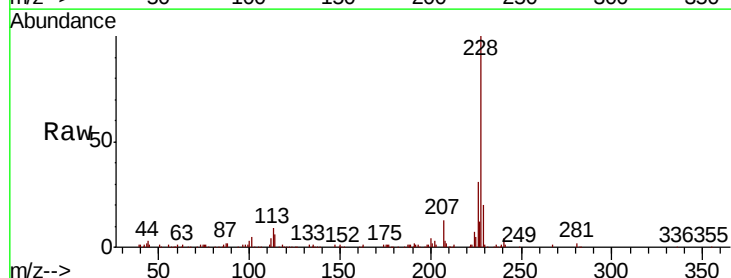
Instrument :
BNA_G
ClientSampleId :
OK-01-072919

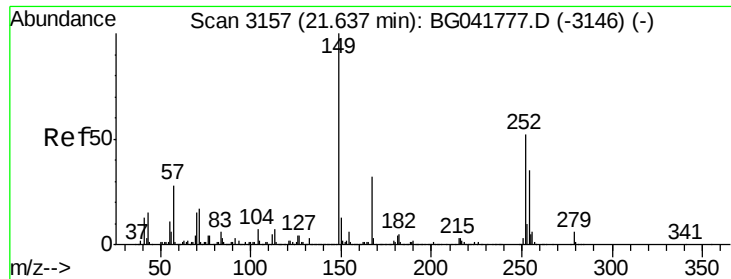
Tgt Ion:228 Resp: 99818
Ion Ratio Lower Upper
228 100
226 30.6 27.3 40.9
229 20.1 19.7 29.5



#83
Chrysene
Concen: 2.469 ng
RT: 21.78 min Scan# 3181
Delta R.T. -0.01 min
Lab File: BG041812.D
Acq: 30 Jul 2019 21:53

Tgt Ion:228 Resp: 99818
Ion Ratio Lower Upper
228 100
226 30.6 30.1 45.1
229 20.1 19.8 29.6





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.237 ng

RT: 21.63 min Scan# 3156

Delta R.T. -0.01 min

Lab File: BG041812.D

Acq: 30 Jul 2019 21:53

Instrument :

BNA_G

ClientSampleId :

OK-01-072919

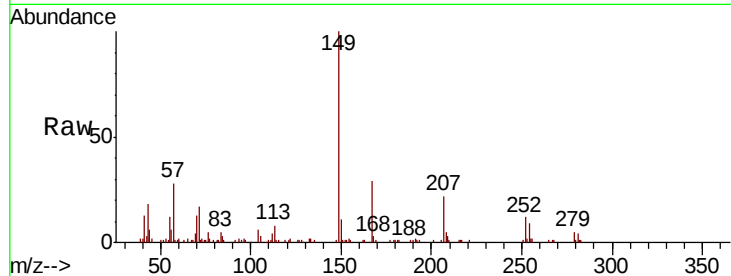
Tgt Ion:149 Resp: 49962

Ion Ratio Lower Upper

149 100

167 29.5 27.0 40.4

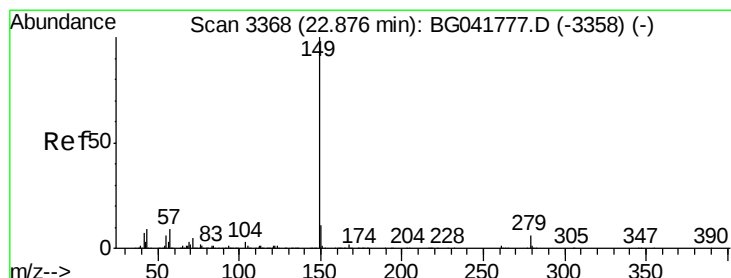
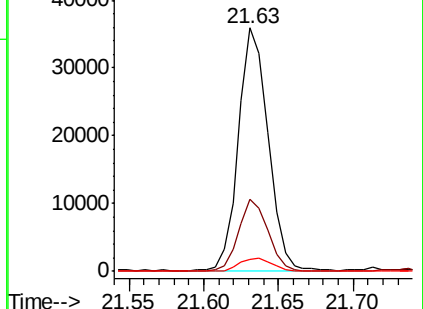
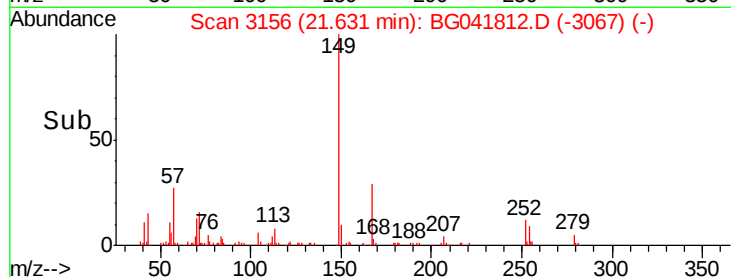
279 4.9 5.0 7.6#



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: 2.091 ng

RT: 22.87 min Scan# 3367

Delta R.T. -0.01 min

Lab File: BG041812.D

Acq: 30 Jul 2019 21:53

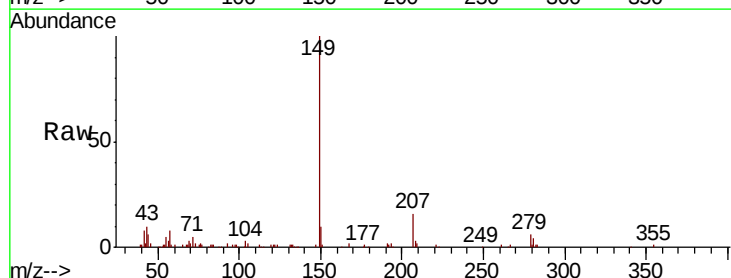
Tgt Ion:149 Resp: 78596

Ion Ratio Lower Upper

149 100

167 1.7 1.6 2.4

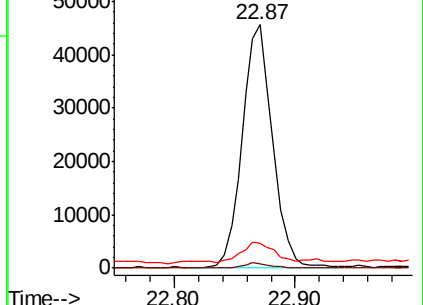
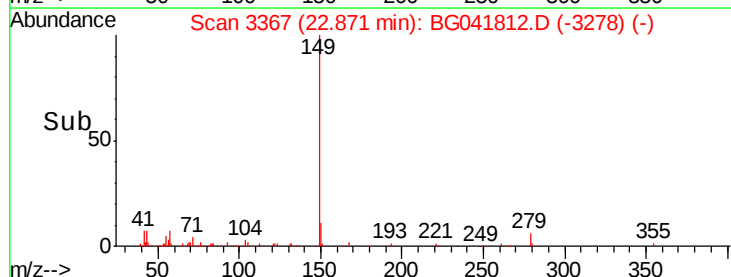
43 8.3 10.6 16.0#

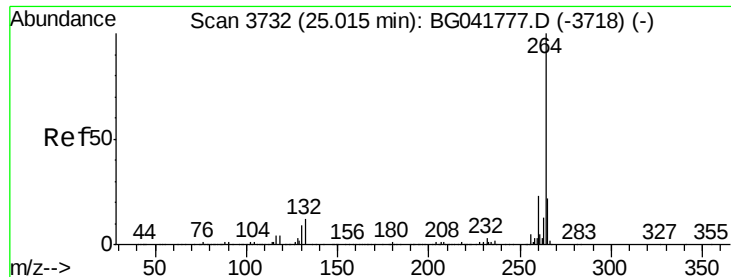


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC





#87

Perylene-d12

Concen: 20.000 ng

RT: 25.01 min Scan# 3731

Delta R.T. -0.01 min

Lab File: BG041812.D

Acq: 30 Jul 2019 21:53

Instrument :

BNA_G

ClientSampleId :

OK-01-072919

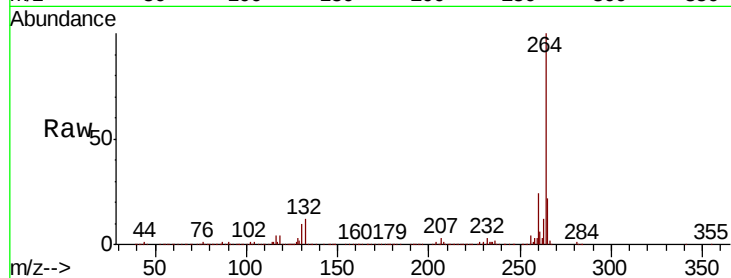
Tgt Ion:264 Resp: 810317

Ion Ratio Lower Upper

264 100

260 24.4 19.5 29.3

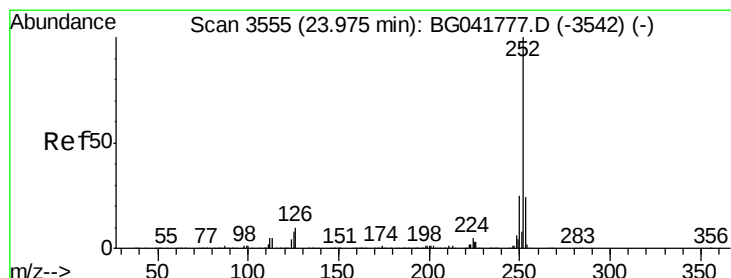
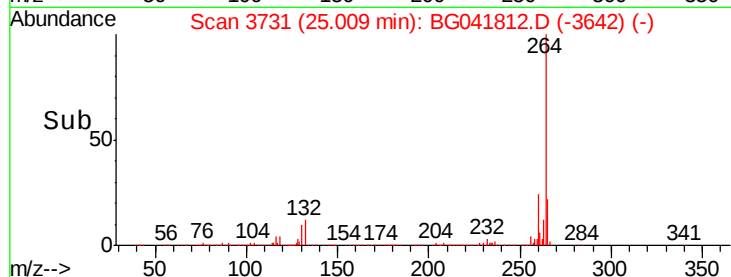
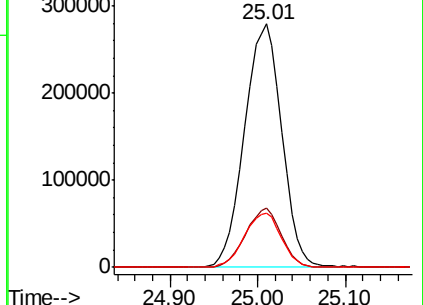
265 22.5 18.0 27.0



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: 2.234 ng

RT: 23.96 min Scan# 3553

Delta R.T. -0.01 min

Lab File: BG041812.D

Acq: 30 Jul 2019 21:53

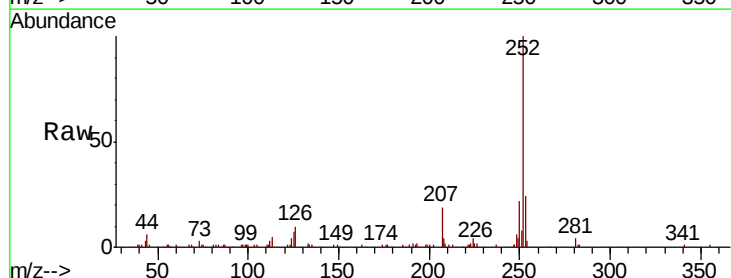
Tgt Ion:252 Resp: 99026

Ion Ratio Lower Upper

252 100

253 24.3 20.6 30.8

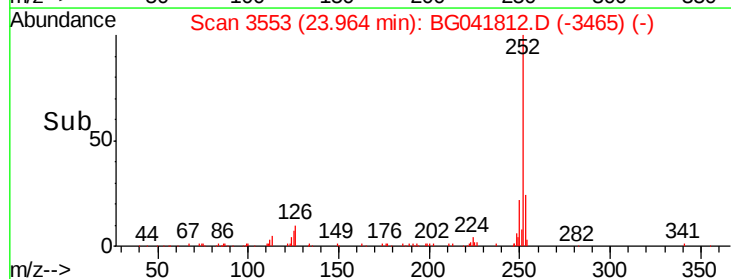
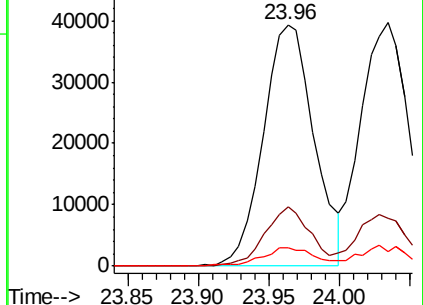
125 7.4 8.0 12.0#

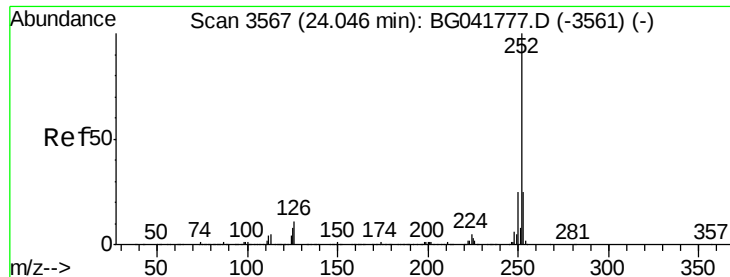


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

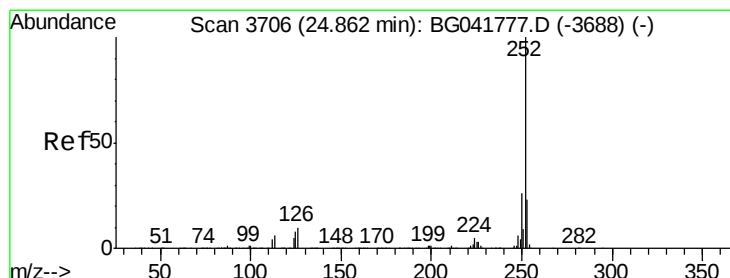
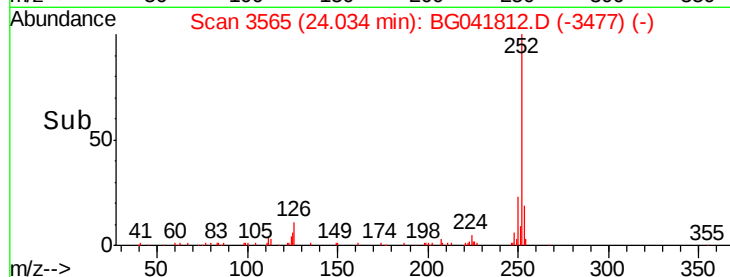
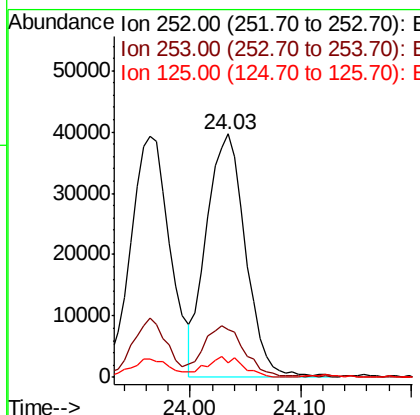
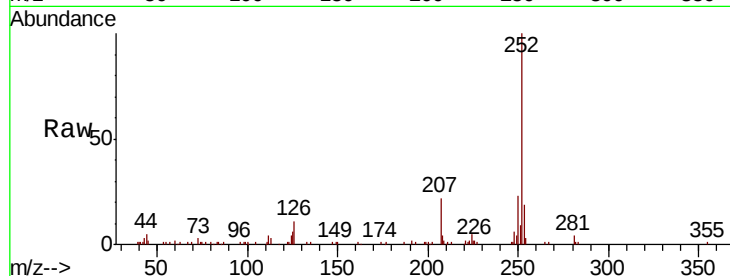




#89
Benzo(k)fluoranthene
Concen: 2.232 ng
RT: 24.03 min Scan# 3565
Delta R.T. -0.01 min
Lab File: BG041812.D
Acq: 30 Jul 2019 21:53

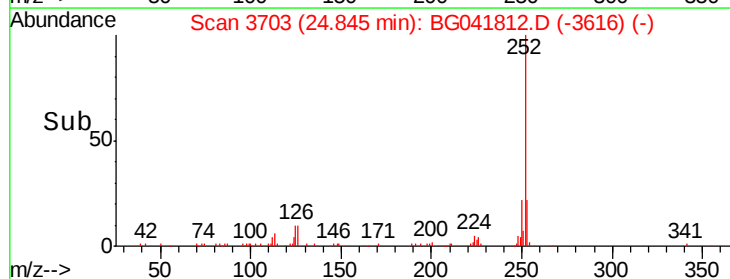
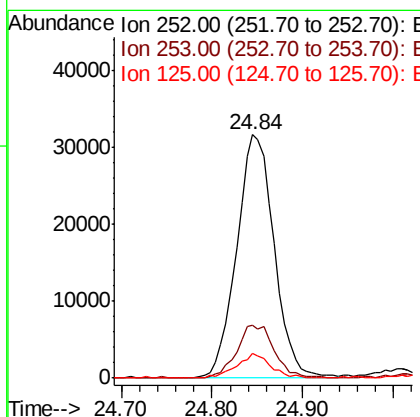
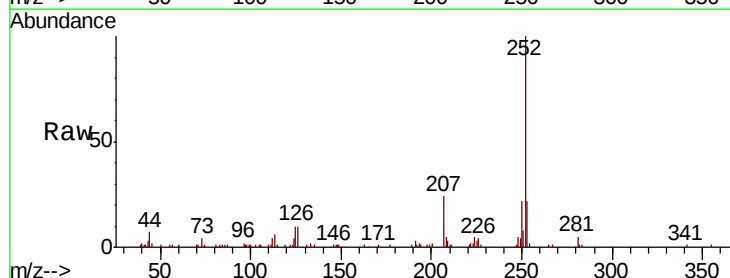
Instrument :
BNA_G
ClientSampleId :
OK-01-072919

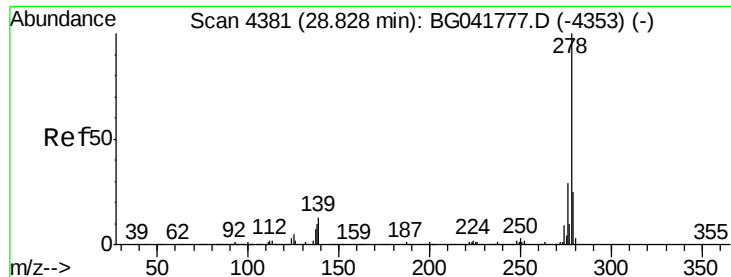
Tgt Ion	Ratio	Lower	Upper
252	100		
253	19.5	20.5	30.7#
125	6.1	8.4	12.6#



#90
Benzo(a)pyrene
Concen: 2.133 ng
RT: 24.84 min Scan# 3703
Delta R.T. -0.02 min
Lab File: BG041812.D
Acq: 30 Jul 2019 21:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	19.8	29.8
125	10.1	8.8	13.2





#91

Dibenzo(a,h)anthracene

Concen: 2.055 ng

RT: 28.80 min Scan# 4377

Delta R.T. -0.02 min

Lab File: BG041812.D

Acq: 30 Jul 2019 21:53

Instrument :

BNA_G

ClientSampleId :

OK-01-072919

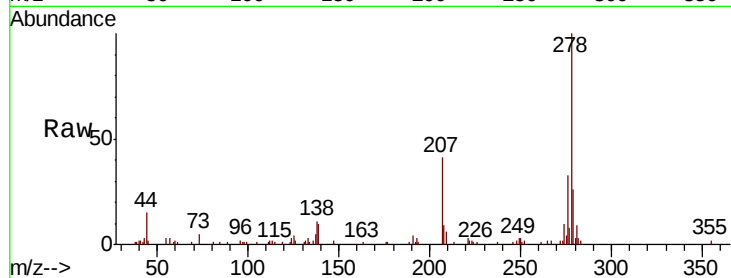
Tgt Ion:278 Resp: 85769

Ion Ratio Lower Upper

278 100

139 9.5 12.6 19.0#

279 26.3 20.5 30.7

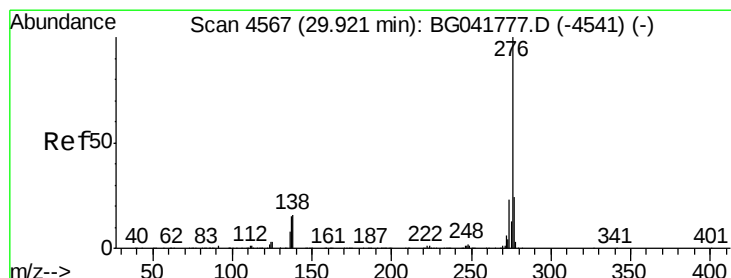
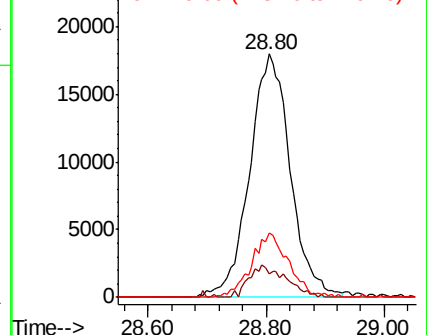
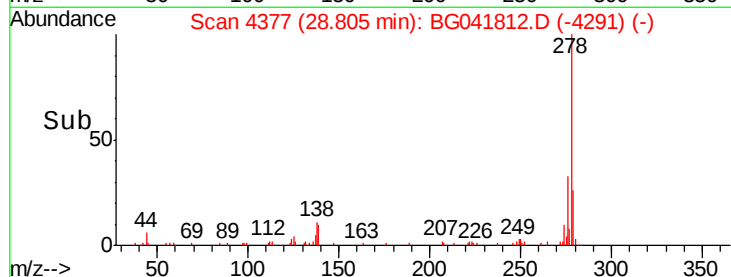


Abundance

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: 2.116 ng

RT: 29.89 min Scan# 4561

Delta R.T. -0.03 min

Lab File: BG041812.D

Acq: 30 Jul 2019 21:53

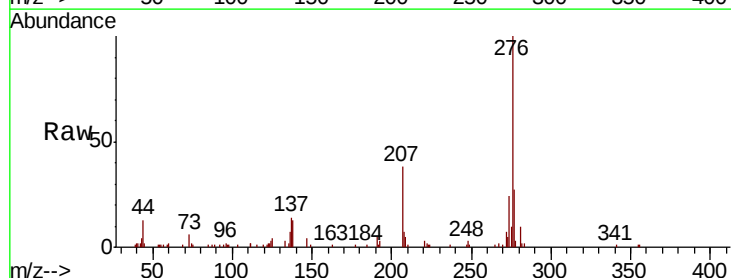
Tgt Ion:276 Resp: 88256

Ion Ratio Lower Upper

276 100

277 27.1 19.8 29.8

138 12.6 16.6 25.0#



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

