

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031620\
 Data File : BG044819.D
 Acq On : 16 Mar 2020 18:58
 Operator : CG/JU
 Sample : L1912-25
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 Z1-5

Quant Time: Mar 17 01:22:43 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 16 17:37:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	100305	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	398028	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	273975	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	611187	20.00	ng	0.00
76) Chrysene-d12	21.70	240	524323	20.00	ng	0.00
87) Perylene-d12	24.91	264	598460	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.62	112	586239	90.98	ng	0.00
7) Phenol-d6	7.21	99	837152	89.42	ng	0.00
23) Nitrobenzene-d5	9.20	82	543971	59.97	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	344888	96.14	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	1077035	56.30	ng	0.00
79) Terphenyl-d14	20.04	244	1569974	56.01	ng	0.00

Target Compounds

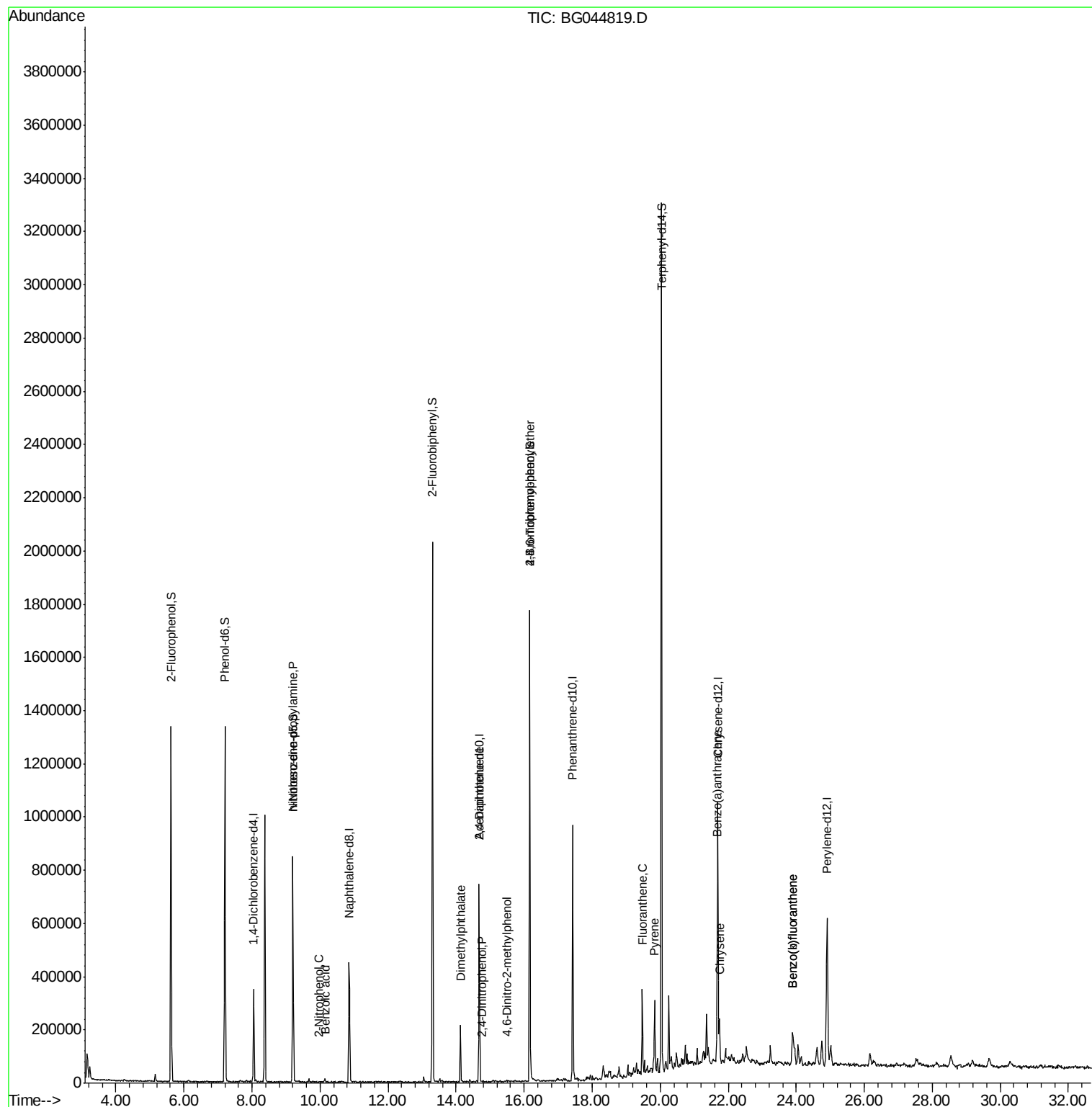
						Qvalue
9) Benzaldehyde	7.21	77	1734	Below Cal	#	6
19) n-Nitroso-di-n-propylamine	9.20	70	75224	11.38	ng	73
26) 2-Nitrophenol	9.97	139	57	5.53	ng	28
32) Benzoic acid	10.14	122	164	9.70	ng	1
50) Dimethylphthalate	14.13	163	140788	6.45	ng	97
54) 2,4-Dinitrophenol	14.77	184	72	8.35	ng	21
57) 2,4-Dinitrotoluene	14.68	165	35597	5.90	ng	22
65) 4,6-Dinitro-2-methylphenol	15.51	198	56	7.74	ng	1
67) 4-Bromophenyl-phenylether	16.17	248	23333	3.05	ng	1
75) Fluoranthene	19.47	202	186802	4.80	ng	95
78) Pyrene	19.83	202	176749	4.59	ng	98
81) Benzo(a)anthracene	21.68	228	134533	3.56	ng	97
83) Chrysene	21.74	228	118834	3.30	ng	99
88) Benzo(b)fluoranthene	23.89	252	160423	4.06	ng	98
89) Benzo(k)fluoranthene	23.89	252	160423	4.29	ng	99

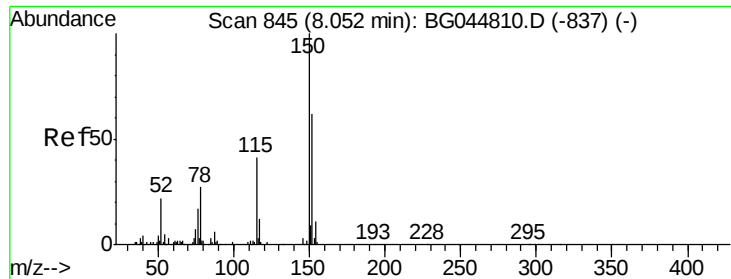
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.05 min Scan# 845

Delta R.T. 0.00 min

Lab File: BG044819.D

Acq: 16 Mar 2020 18:58

Instrument :

BNA_G

ClientSampleId :

Z1-5

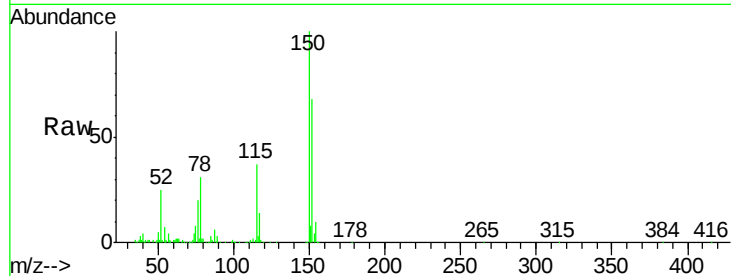
Tgt Ion:152 Resp: 100305

Ion Ratio Lower Upper

152 100

150 147.9 128.8 193.2

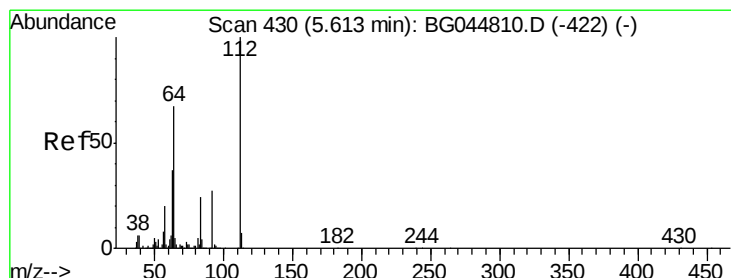
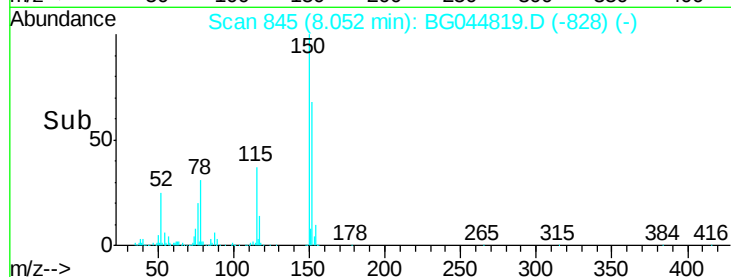
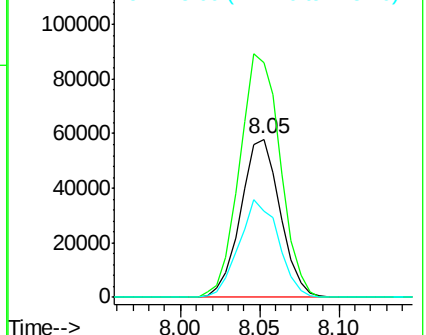
115 54.3 52.6 79.0



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



#5

2-Fluorophenol

Concen: 90.98 ng

RT: 5.62 min Scan# 431

Delta R.T. 0.01 min

Lab File: BG044819.D

Acq: 16 Mar 2020 18:58

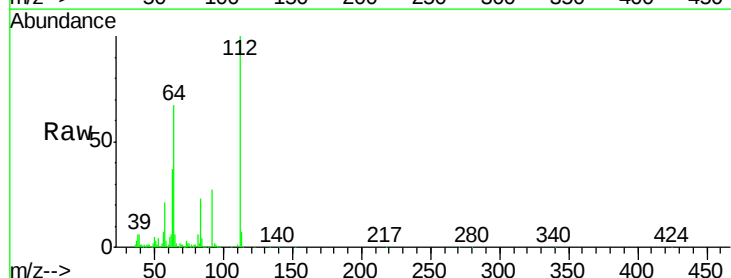
Tgt Ion:112 Resp: 586239

Ion Ratio Lower Upper

112 100

64 66.6 53.4 80.2

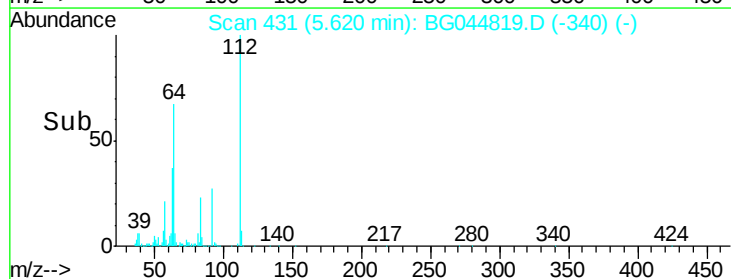
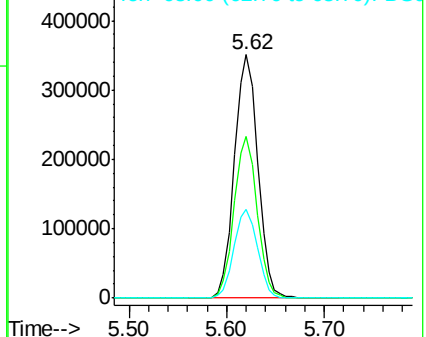
63 36.6 29.4 44.2

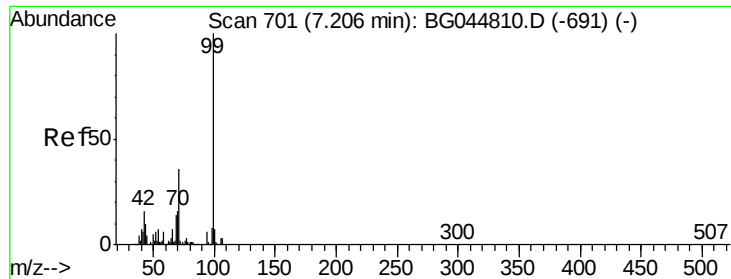


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 89.42 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG044819.D

Acq: 16 Mar 2020 18:58

Instrument :

BNA_G

ClientSampleId :

Z1-5

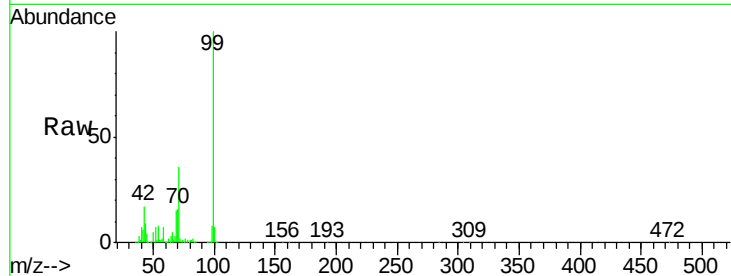
Tgt Ion: 99 Resp: 837152

Ion Ratio Lower Upper

99 100

42 17.0 12.6 19.0

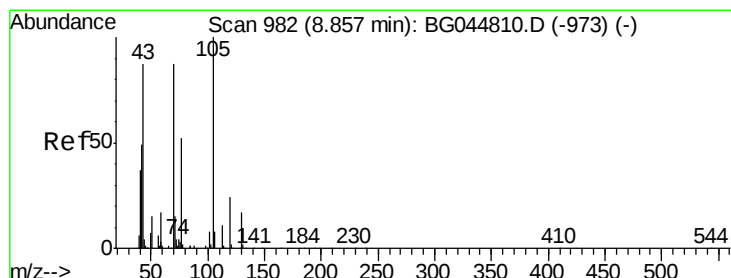
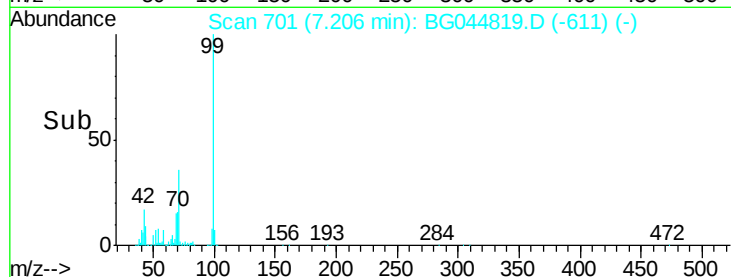
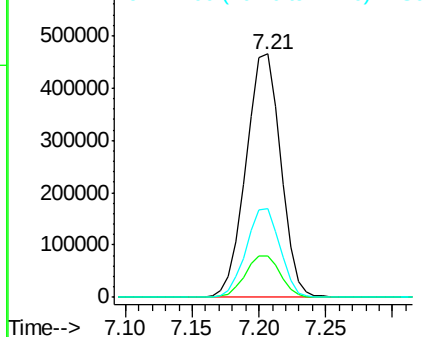
71 36.4 29.0 43.4



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



#19

n-Nitroso-di-n-propylamine

Concen: 11.38 ng

RT: 9.20 min Scan# 1041

Delta R.T. 0.35 min

Lab File: BG044819.D

Acq: 16 Mar 2020 18:58

Tgt Ion: 70 Resp: 75224

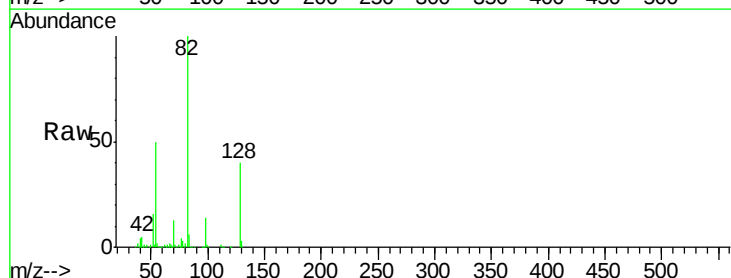
Ion Ratio Lower Upper

70 100

42 40.0 45.7 68.5#

101 0.0 7.4 11.2#

130 2.1 15.9 23.9#

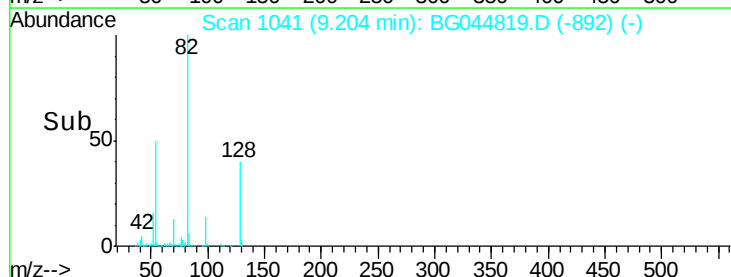
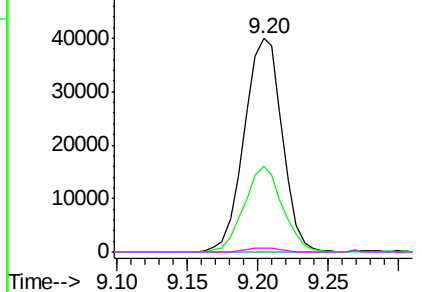


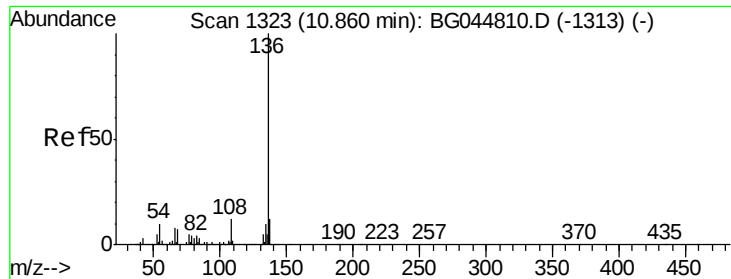
Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

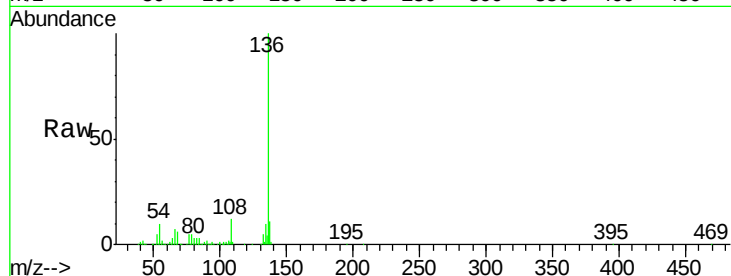




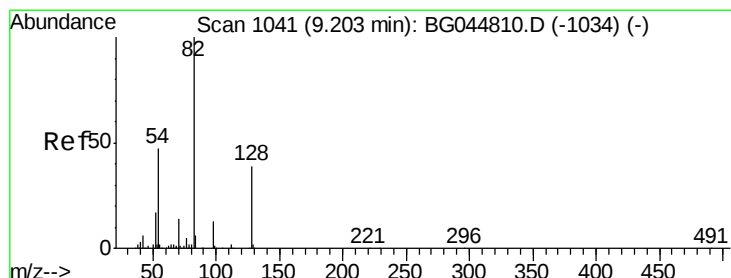
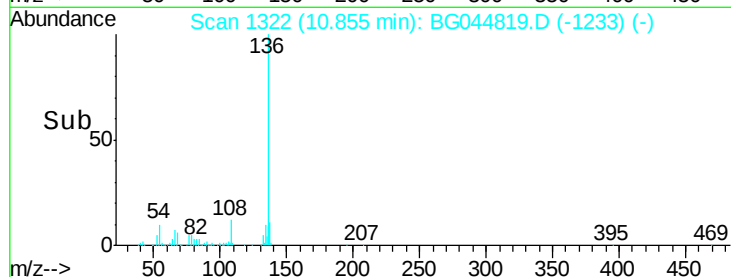
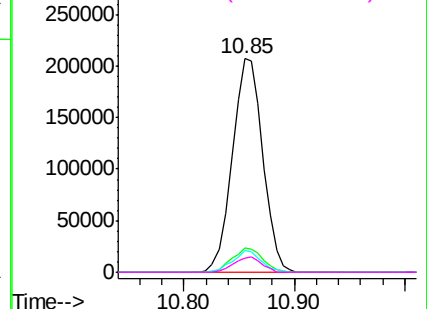
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.85 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BG044819.D
Acq: 16 Mar 2020 18:58

Instrument :
BNA_G
ClientSampleId :
Z1-5

Tgt Ion:	136	Resp:	398028
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.8	14.6
54	10.2	7.9	11.9
68	6.4	5.4	8.0

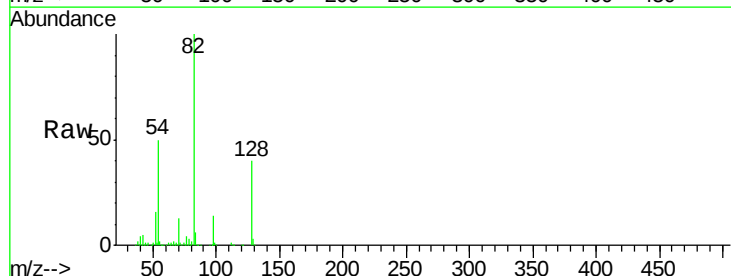


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

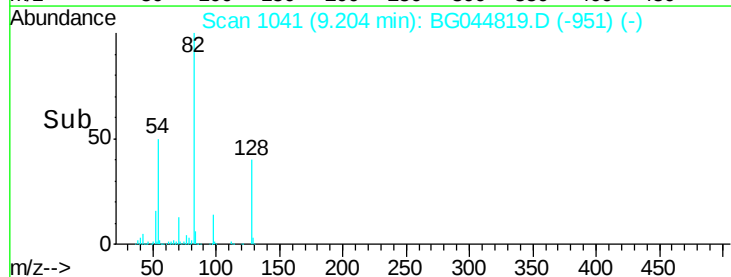
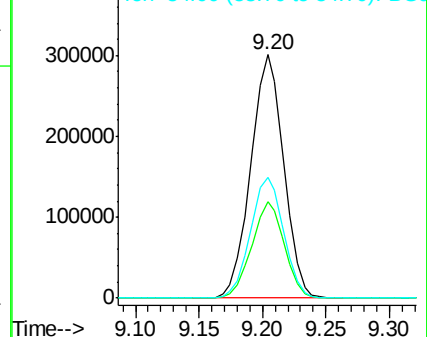


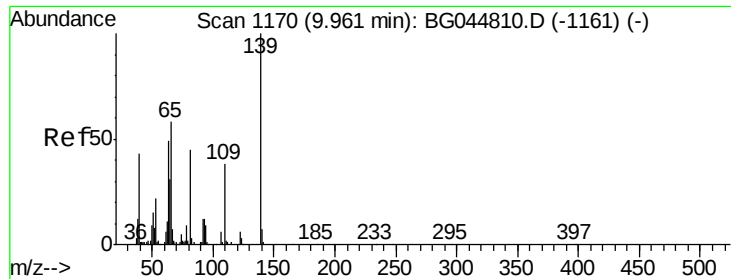
#23
Nitrobenzene-d5
Concen: 59.97 ng
RT: 9.20 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BG044819.D
Acq: 16 Mar 2020 18:58

Tgt Ion:	82	Resp:	543971
Ion	Ratio	Lower	Upper
82	100		
128	39.8	30.6	46.0
54	49.8	37.1	55.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

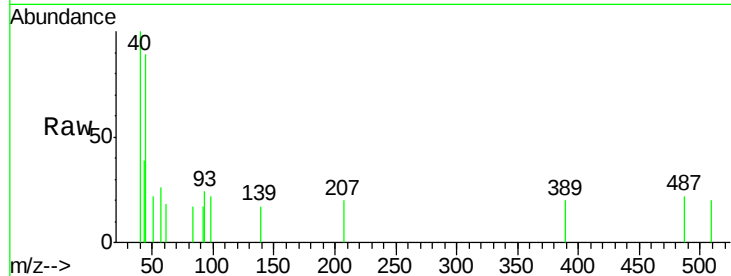




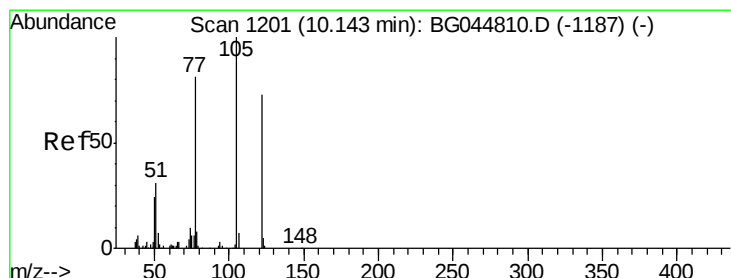
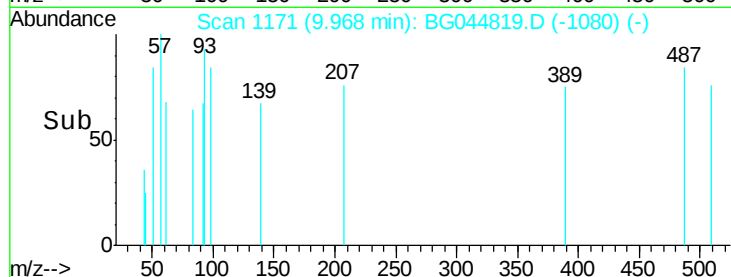
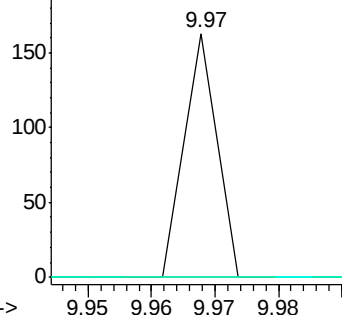
#26
2-Nitrophenol
Concen: 5.53 ng
RT: 9.97 min Scan# 1171
Delta R.T. 0.01 min
Lab File: BG044819.D
Acq: 16 Mar 2020 18:58

Instrument :
BNA_G
ClientSampleId :
Z1-5

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	30.2	45.4#
65	0.0	46.3	69.5#

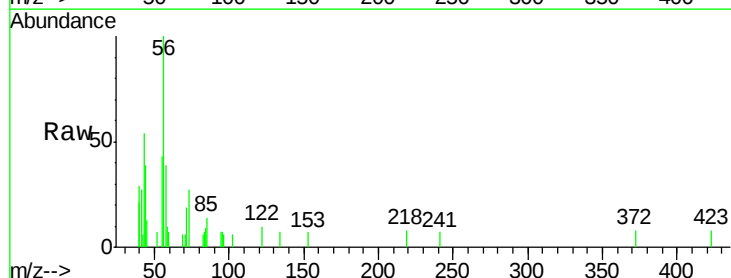


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

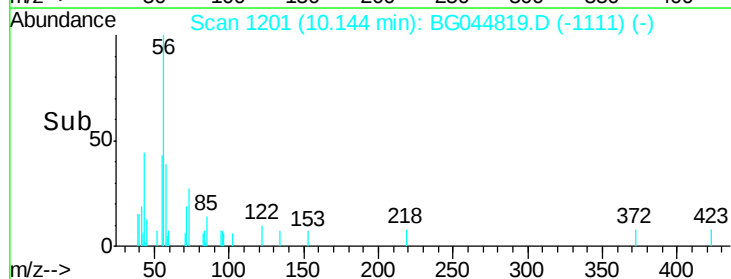
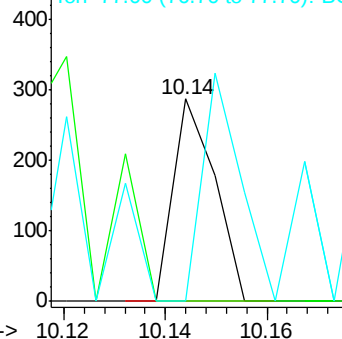


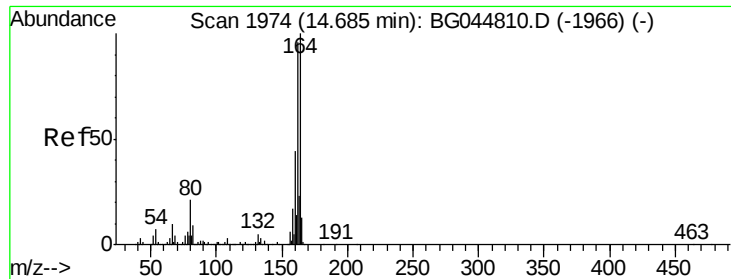
#32
Benzoic acid
Concen: 9.70 ng
RT: 10.14 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BG044819.D
Acq: 16 Mar 2020 18:58

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	109.1	149.1#
77	0.0	85.3	125.3#



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





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.01 min

Lab File: BG044819.D

Acq: 16 Mar 2020 18:58

Instrument :

BNA_G

ClientSampleId :

Z1-5

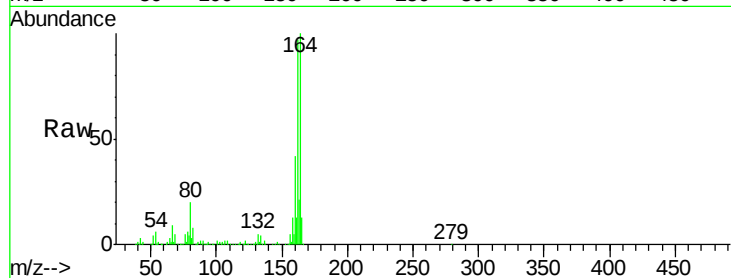
Tgt Ion:164 Resp: 273975

Ion Ratio Lower Upper

164 100

162 97.1 76.7 115.1

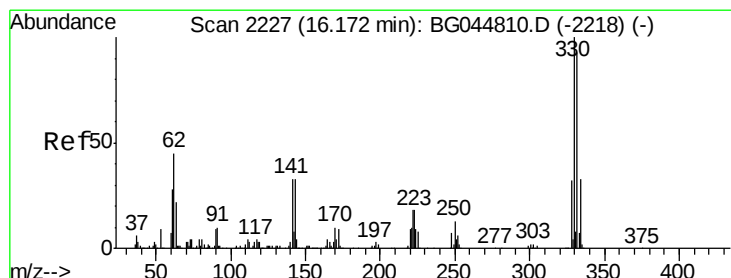
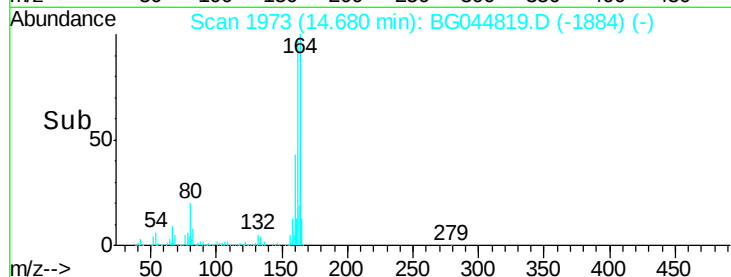
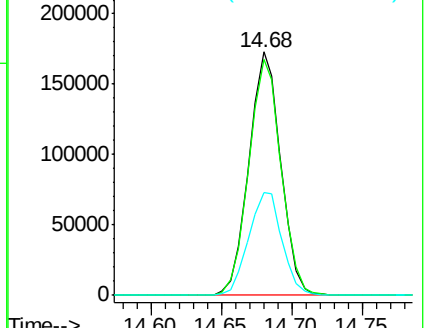
160 42.5 35.0 52.4



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



#42

2,4,6-Tribromophenol

Concen: 96.14 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BG044819.D

Acq: 16 Mar 2020 18:58

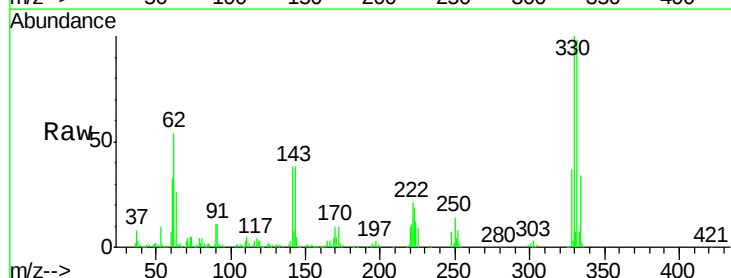
Tgt Ion:330 Resp: 344888

Ion Ratio Lower Upper

330 100

332 96.2 77.8 116.6

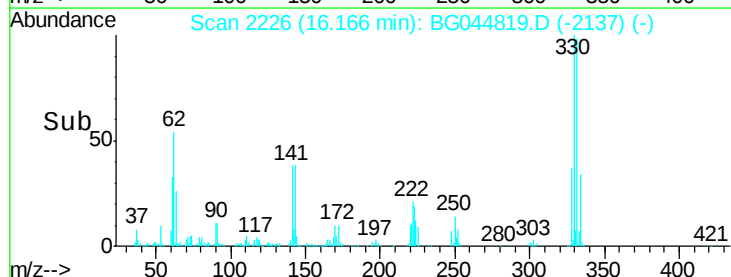
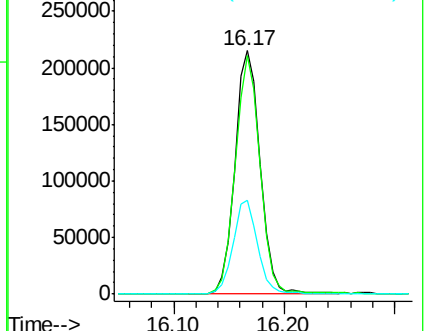
141 37.7 29.5 44.3

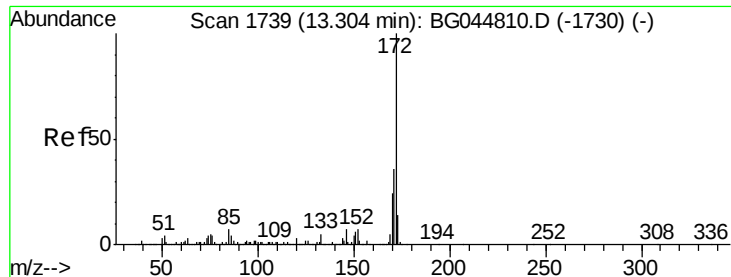


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

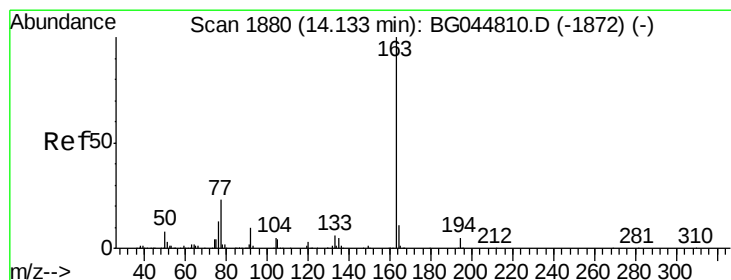
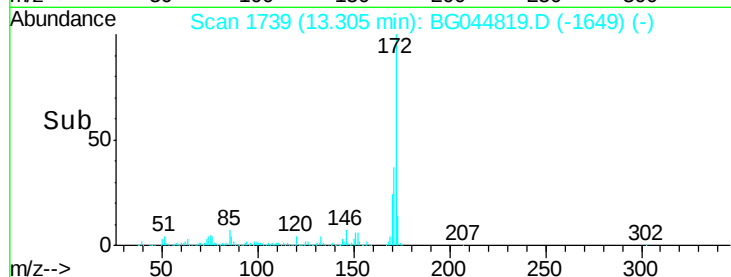
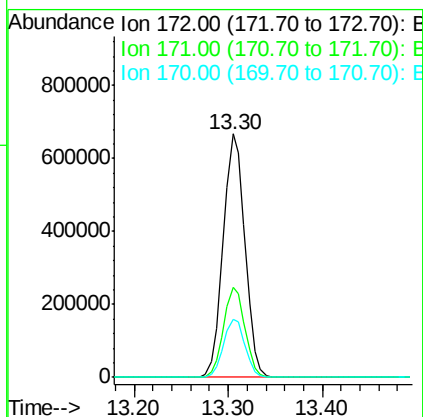
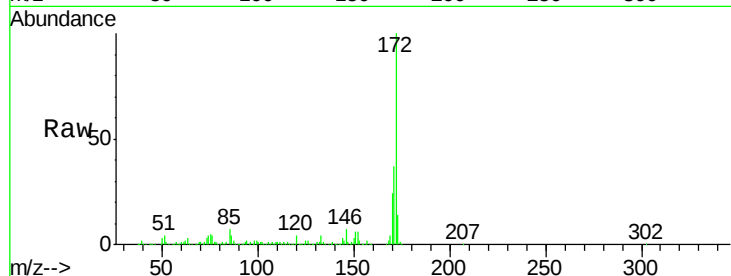




#45
2-Fluorobiphenyl
Concen: 56.30 ng
RT: 13.30 min Scan# 1739
Delta R.T. 0.00 min
Lab File: BG044819.D
Acq: 16 Mar 2020 18:58

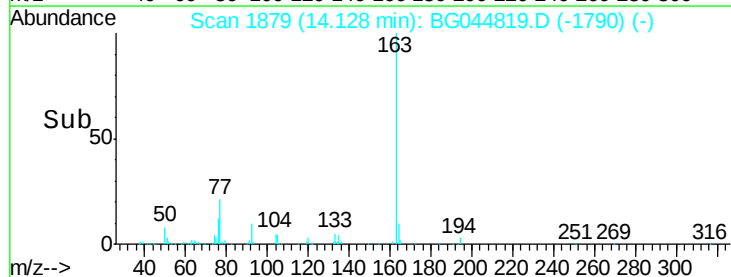
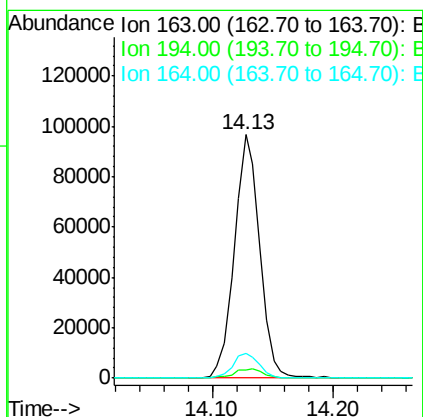
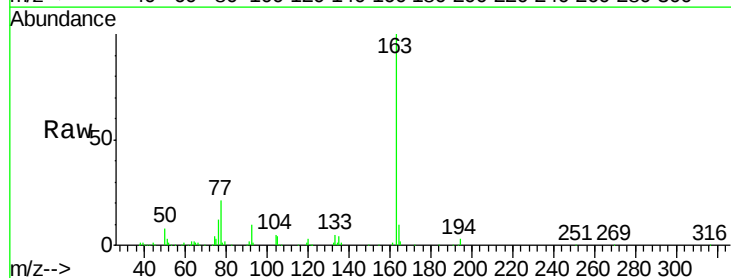
Instrument :
BNA_G
ClientSampleId :
Z1-5

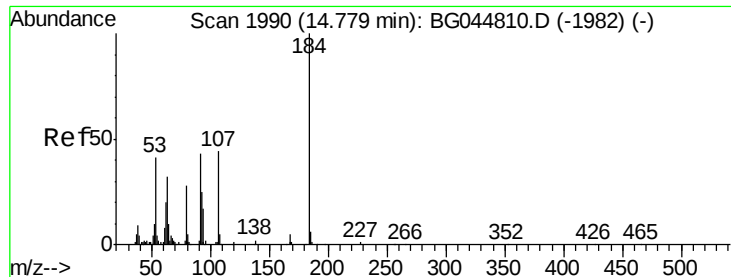
Tgt Ion:172 Resp: 1077035
Ion Ratio Lower Upper
172 100
171 36.7 28.7 43.1
170 24.0 19.0 28.6



#50
Dimethylphthalate
Concen: 6.45 ng
RT: 14.13 min Scan# 1879
Delta R.T. -0.01 min
Lab File: BG044819.D
Acq: 16 Mar 2020 18:58

Tgt Ion:163 Resp: 140788
Ion Ratio Lower Upper
163 100
194 3.3 3.7 5.5#
164 10.2 9.1 13.7

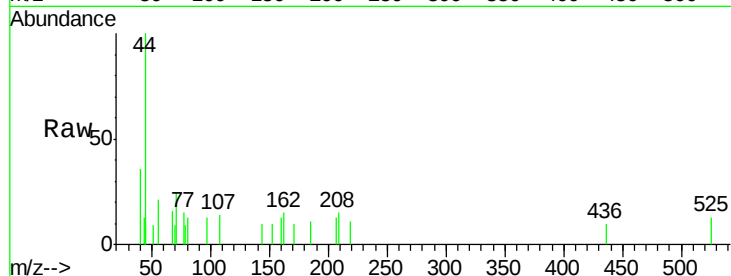




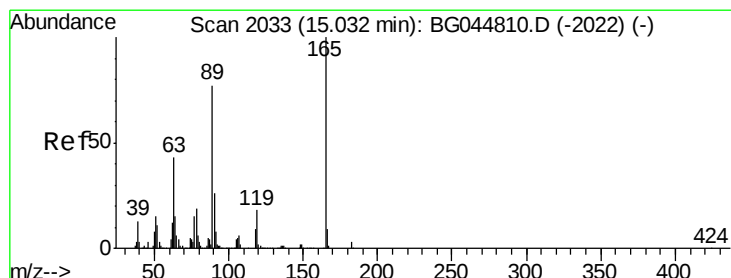
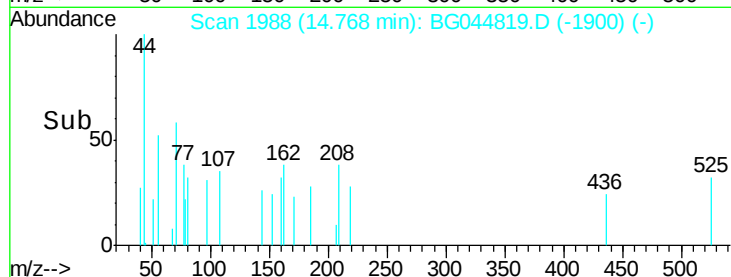
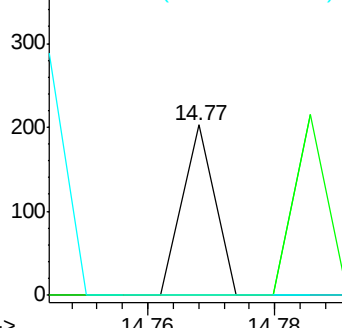
#54
2,4-Dinitrophenol
Concen: 8.35 ng
RT: 14.77 min Scan# 1988
Delta R.T. -0.01 min
Lab File: BG044819.D
Acq: 16 Mar 2020 18:58

Instrument :
BNA_G
ClientSampleId :
Z1-5

Tgt Ion:184 Resp: 72
Ion Ratio Lower Upper
184 100
63 0.0 45.5 68.3#
154 0.0 49.1 73.7#

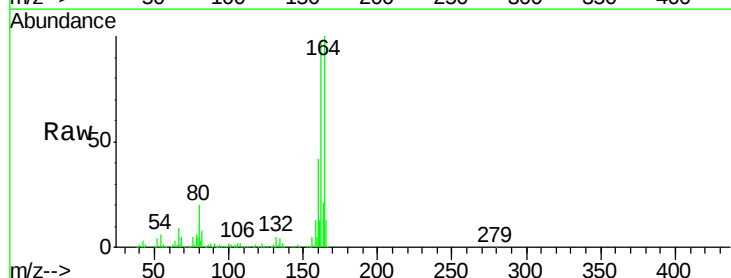


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

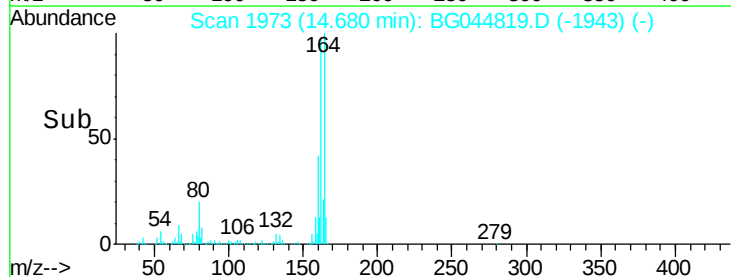
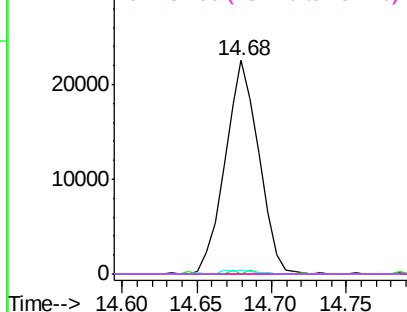


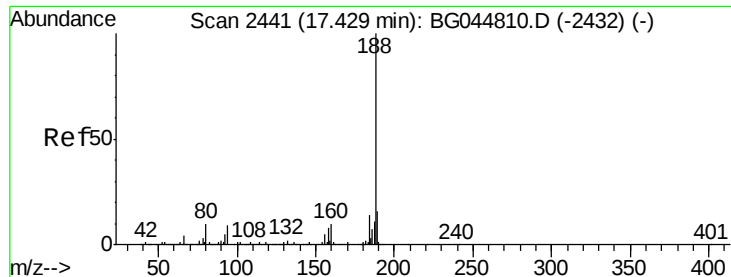
#57
2,4-Dinitrotoluene
Concen: 5.90 ng
RT: 14.68 min Scan# 1973
Delta R.T. -0.35 min
Lab File: BG044819.D
Acq: 16 Mar 2020 18:58

Tgt Ion:165 Resp: 35597
Ion Ratio Lower Upper
165 100
63 0.0 34.6 52.0#
89 1.8 61.3 91.9#
182 0.0 2.2 3.2#



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





#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.42 min Scan# 2440

Delta R.T. -0.01 min

Lab File: BG044819.D

Acq: 16 Mar 2020 18:58

Instrument :

BNA_G

ClientSampleId :

Z1-5

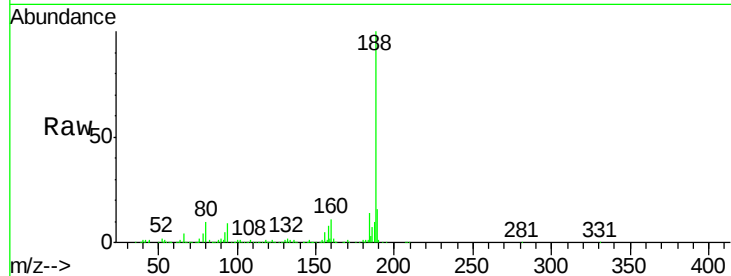
Tgt Ion:188 Resp: 611187

Ion Ratio Lower Upper

188 100

94 8.8 7.3 10.9

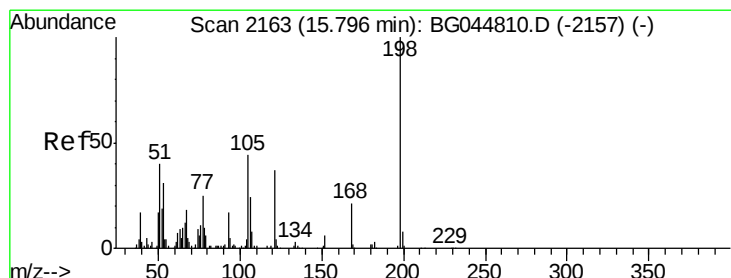
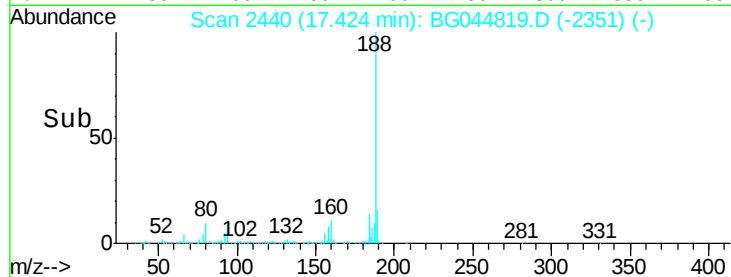
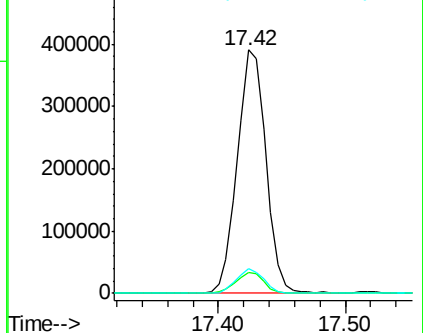
80 10.1 8.0 12.0



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



#65

4,6-Dinitro-2-methylphenol

Concen: 7.74 ng

RT: 15.51 min Scan# 2114

Delta R.T. -0.29 min

Lab File: BG044819.D

Acq: 16 Mar 2020 18:58

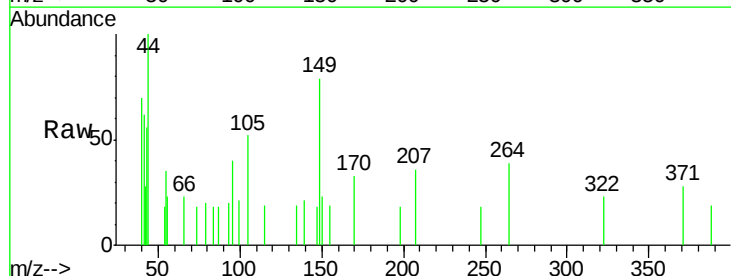
Tgt Ion:198 Resp: 56

Ion Ratio Lower Upper

198 100

51 0.0 21.1 61.1#

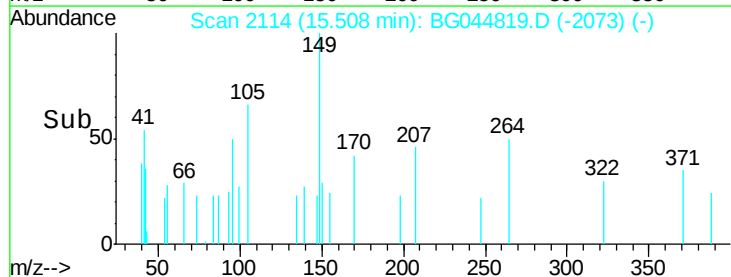
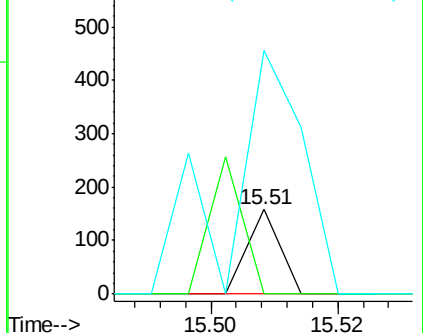
105 288.6 24.5 64.5#

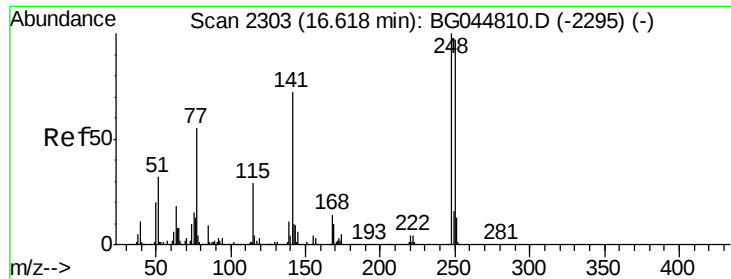


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

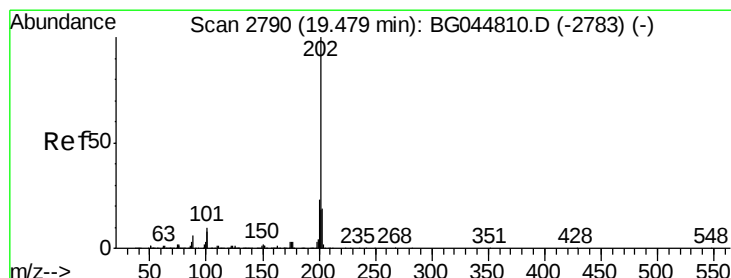
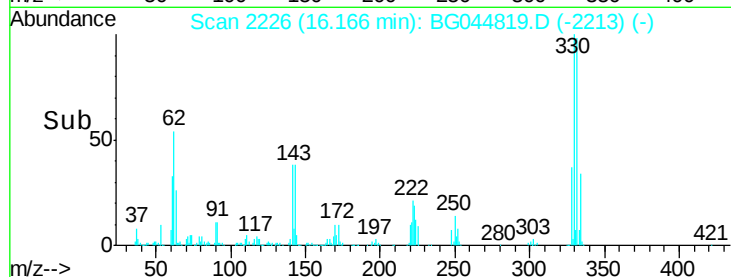
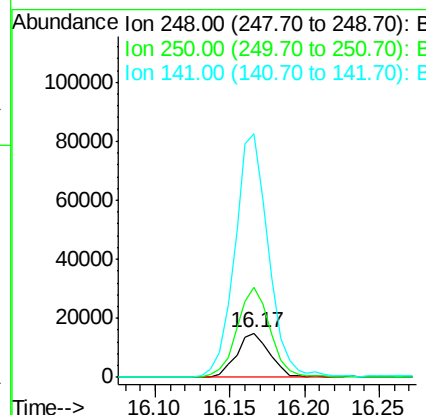
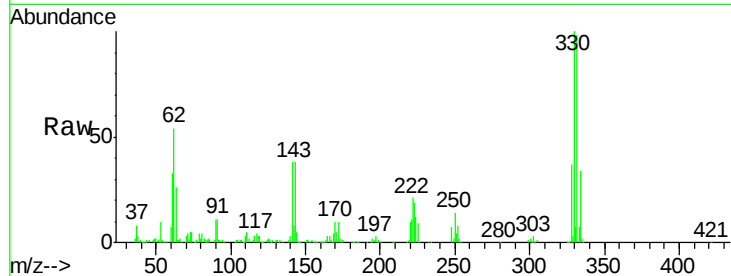




#67
 4-Bromophenyl-phenylether
 Concen: 3.05 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. -0.45 min
 Lab File: BG044819.D
 Acq: 16 Mar 2020 18:58

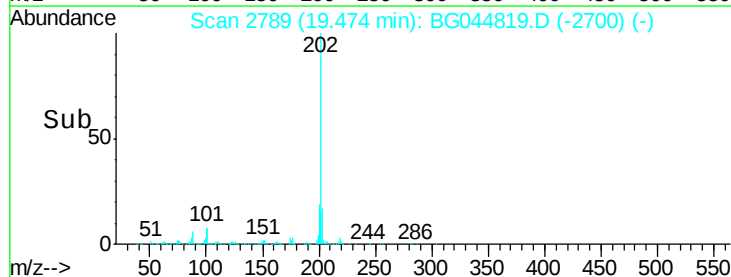
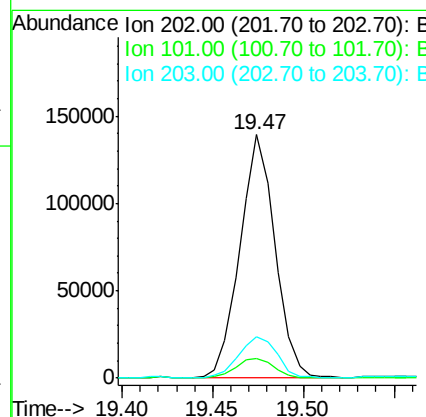
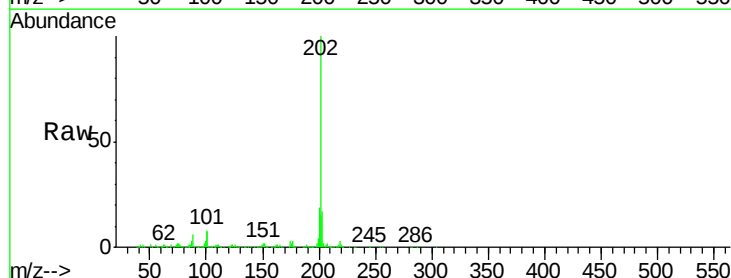
Instrument :
 BNA_G
 ClientSampleId :
 Z1-5

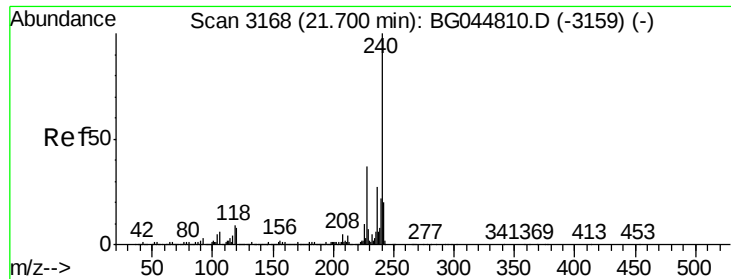
Tgt Ion: 248 Resp: 23333
 Ion Ratio Lower Upper
 248 100
 250 203.3 77.9 116.9#
 141 551.2 57.5 86.3#



#75
 Fluoranthene
 Concen: 4.80 ng
 RT: 19.47 min Scan# 2789
 Delta R.T. -0.01 min
 Lab File: BG044819.D
 Acq: 16 Mar 2020 18:58

Tgt Ion: 202 Resp: 186802
 Ion Ratio Lower Upper
 202 100
 101 8.2 0.0 29.8
 203 17.2 0.0 39.4





#76

Chrysene-d12

Concen: 20.00 ng

RT: 21.70 min Scan# 3167

Delta R.T. -0.01 min

Lab File: BG044819.D

Acq: 16 Mar 2020 18:58

Instrument :

BNA_G

ClientSampleId :

Z1-5

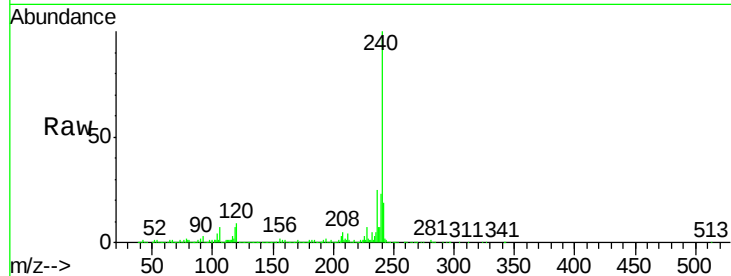
Tgt Ion:240 Resp: 524323

Ion Ratio Lower Upper

240 100

120 9.0 6.7 10.1

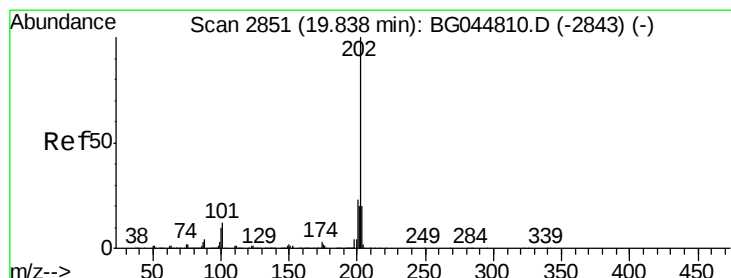
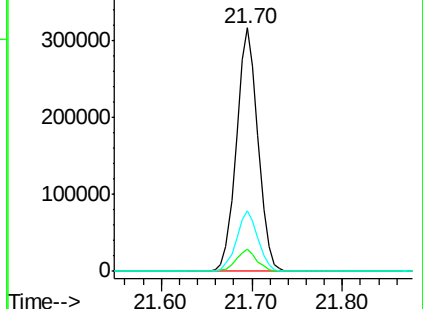
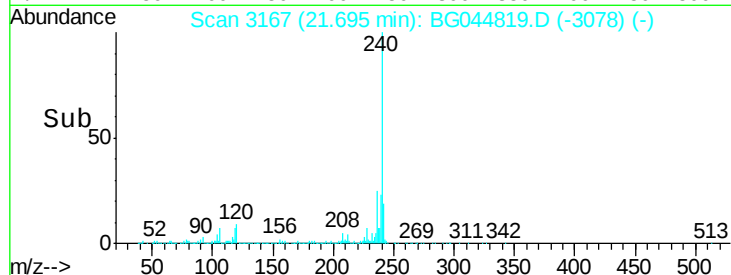
236 24.8 21.5 32.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 4.59 ng

RT: 19.83 min Scan# 2850

Delta R.T. -0.01 min

Lab File: BG044819.D

Acq: 16 Mar 2020 18:58

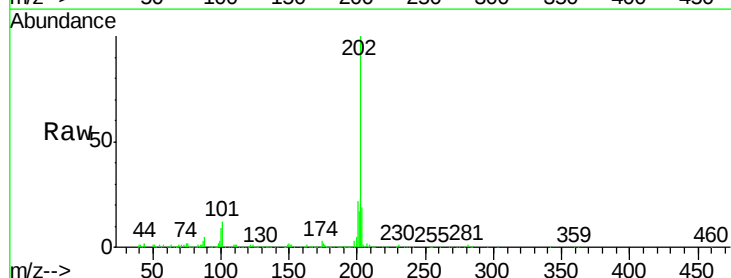
Tgt Ion:202 Resp: 176749

Ion Ratio Lower Upper

202 100

200 21.9 18.3 27.5

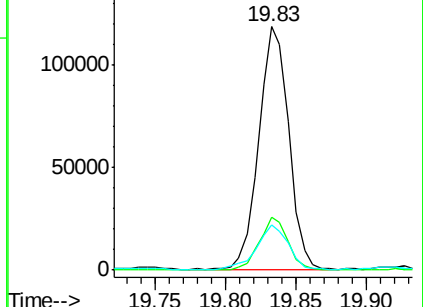
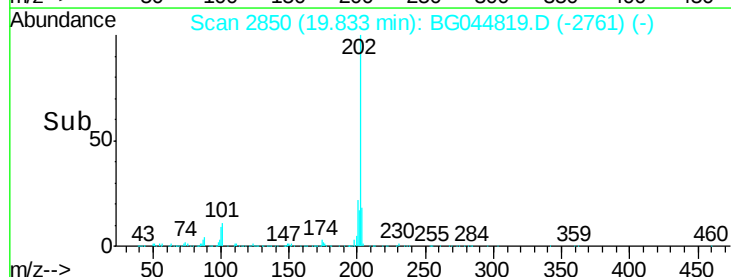
203 18.7 15.6 23.4

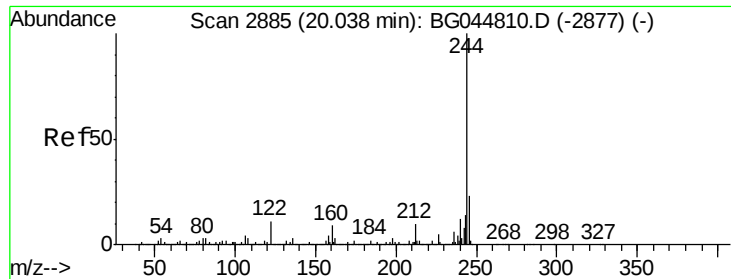


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 56.01 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.00 min

Lab File: BG044819.D

Acq: 16 Mar 2020 18:58

Instrument :

BNA_G

ClientSampleId :

Z1-5

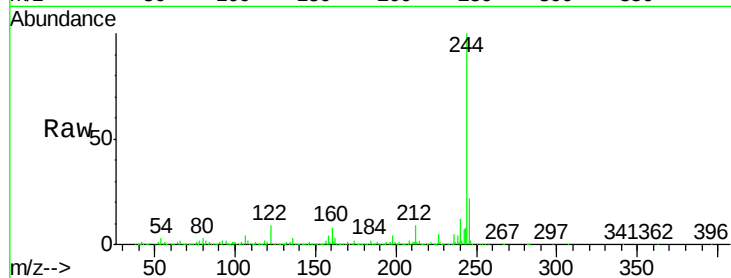
Tgt Ion:244 Resp: 1569974

Ion Ratio Lower Upper

244 100

212 8.9 7.7 11.5

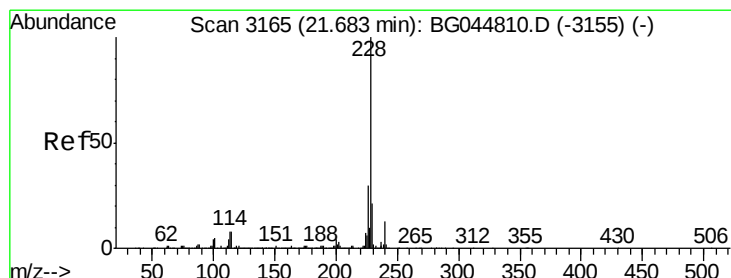
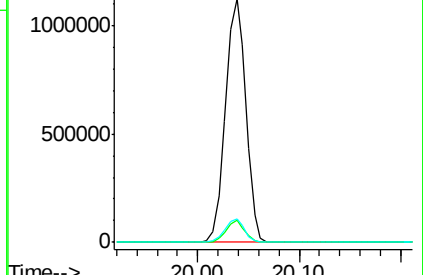
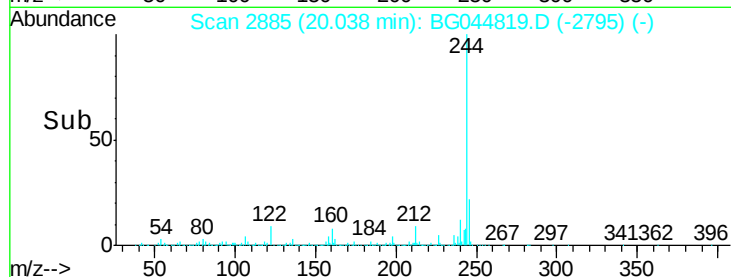
122 9.4 8.6 12.8



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



#81

Benzo(a)anthracene

Concen: 3.56 ng

RT: 21.68 min Scan# 3164

Delta R.T. -0.01 min

Lab File: BG044819.D

Acq: 16 Mar 2020 18:58

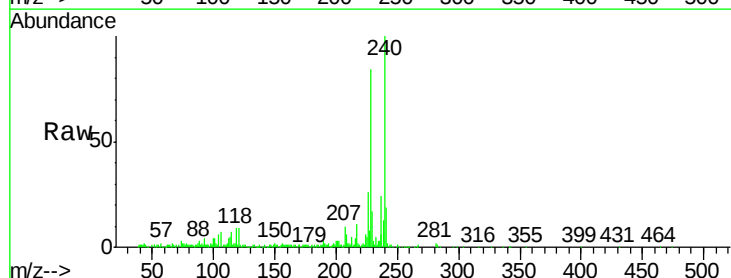
Tgt Ion:228 Resp: 134533

Ion Ratio Lower Upper

228 100

226 31.1 23.6 35.4

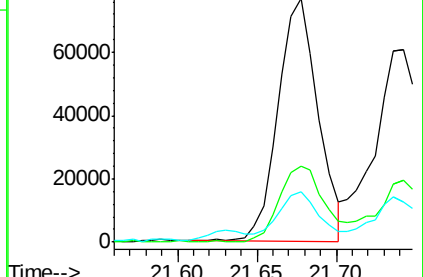
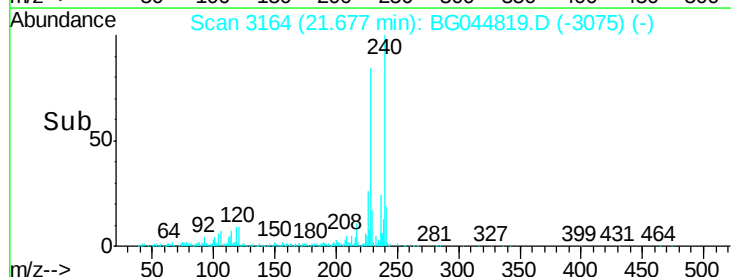
229 20.4 17.1 25.7

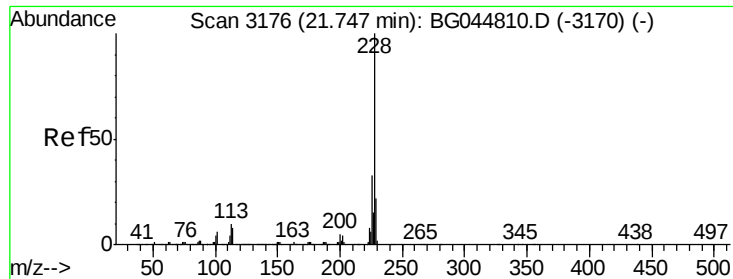


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 3.30 ng

RT: 21.74 min Scan# 3175

Delta R.T. -0.01 min

Lab File: BG044819.D

Acq: 16 Mar 2020 18:58

Instrument :

BNA_G

ClientSampleId :

Z1-5

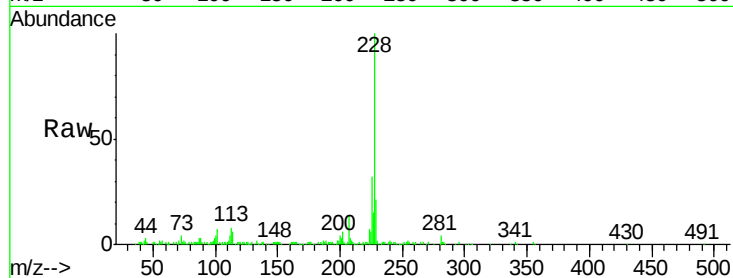
Tgt Ion:228 Resp: 118834

Ion Ratio Lower Upper

228 100

226 32.2 25.9 38.9

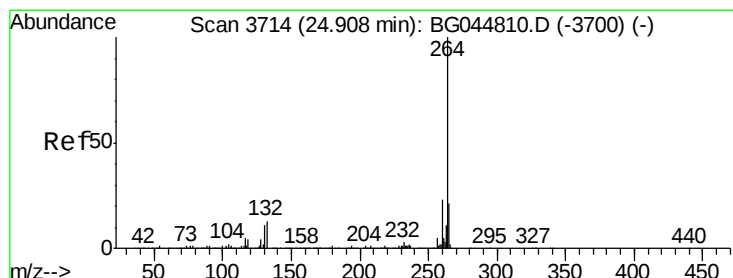
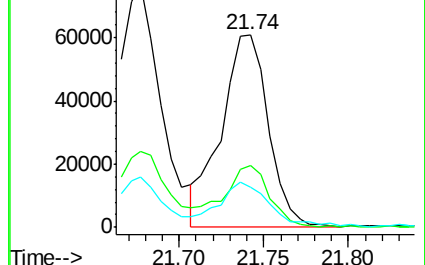
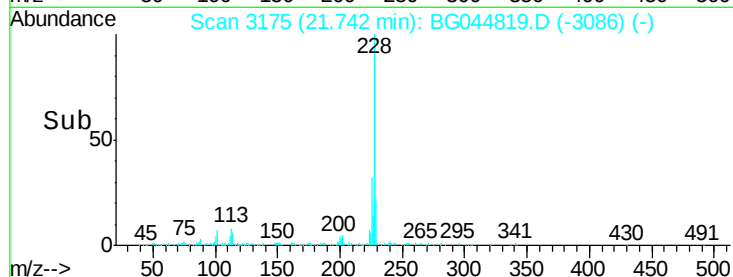
229 20.9 17.4 26.0



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



#87

Perylene-d12

Concen: 20.00 ng

RT: 24.91 min Scan# 3714

Delta R.T. 0.00 min

Lab File: BG044819.D

Acq: 16 Mar 2020 18:58

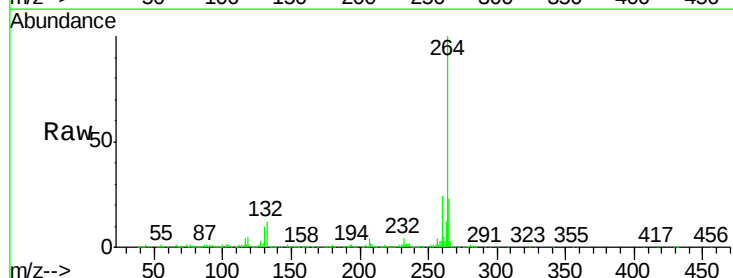
Tgt Ion:264 Resp: 598460

Ion Ratio Lower Upper

264 100

260 24.3 18.1 27.1

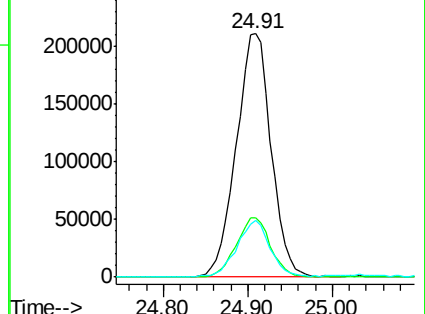
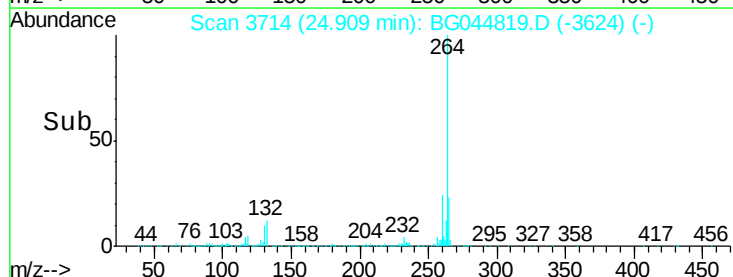
265 23.3 17.1 25.7

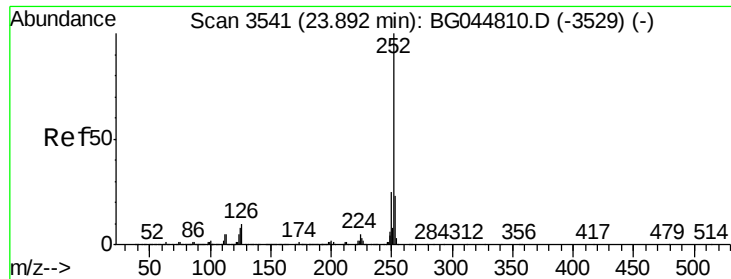


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

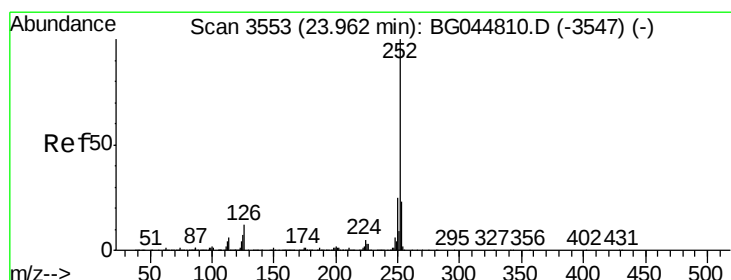
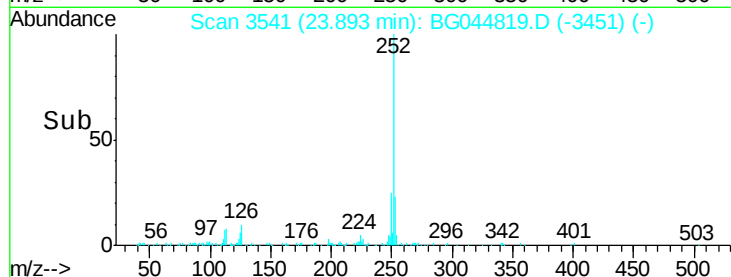
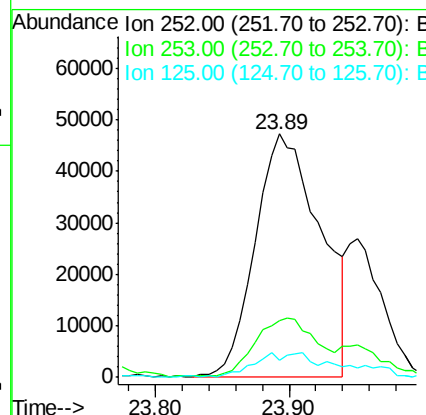
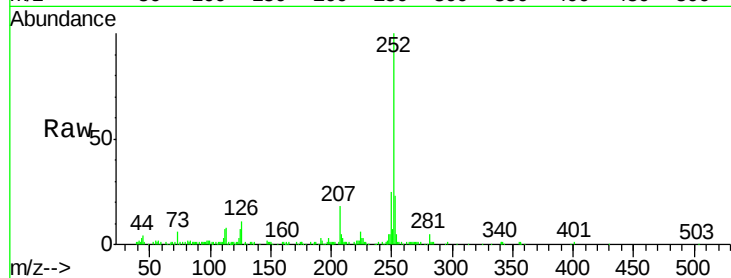




#88
Benzo(b)fluoranthene
Concen: 4.06 ng
RT: 23.89 min Scan# 3541
Delta R.T. 0.00 min
Lab File: BG044819.D
Acq: 16 Mar 2020 18:58

Instrument :
BNA_G
ClientSampleId :
Z1-5

Tgt Ion:252 Resp: 160423
Ion Ratio Lower Upper
252 100
253 23.2 18.1 27.1
125 6.8 6.6 9.8



#89
Benzo(k)fluoranthene
Concen: 4.29 ng
RT: 23.89 min Scan# 3541
Delta R.T. -0.07 min
Lab File: BG044819.D
Acq: 16 Mar 2020 18:58

Tgt Ion:252 Resp: 160423
Ion Ratio Lower Upper
252 100
253 23.2 18.5 27.7
125 6.8 6.2 9.2

