

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021020\
 Data File : BG044376.D
 Acq On : 11 Feb 2020 5:50
 Operator : CG/JU
 Sample : L1470-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 11 07:28:14 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 10 16:11:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	68628	20.00	ng	0.00
21) Naphthalene-d8	10.71	136	308258	20.00	ng	0.00
39) Acenaphthene-d10	14.54	164	219277	20.00	ng	0.00
64) Phenanthrene-d10	17.29	188	503635	20.00	ng	0.00
76) Chrysene-d12	21.53	240	475743	20.00	ng	0.00
87) Perylene-d12	24.61	264	501645	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	489121	125.78	ng	0.00
7) Phenol-d6	7.07	99	674606	129.19	ng	0.00
23) Nitrobenzene-d5	9.06	82	414111	75.84	ng	0.00
42) 2,4,6-Tribromophenol	16.03	330	296741	115.28	ng	0.00
45) 2-Fluorobiphenyl	13.17	172	976261	74.55	ng	0.00
79) Terphenyl-d14	19.90	244	1557243	67.33	ng	0.00

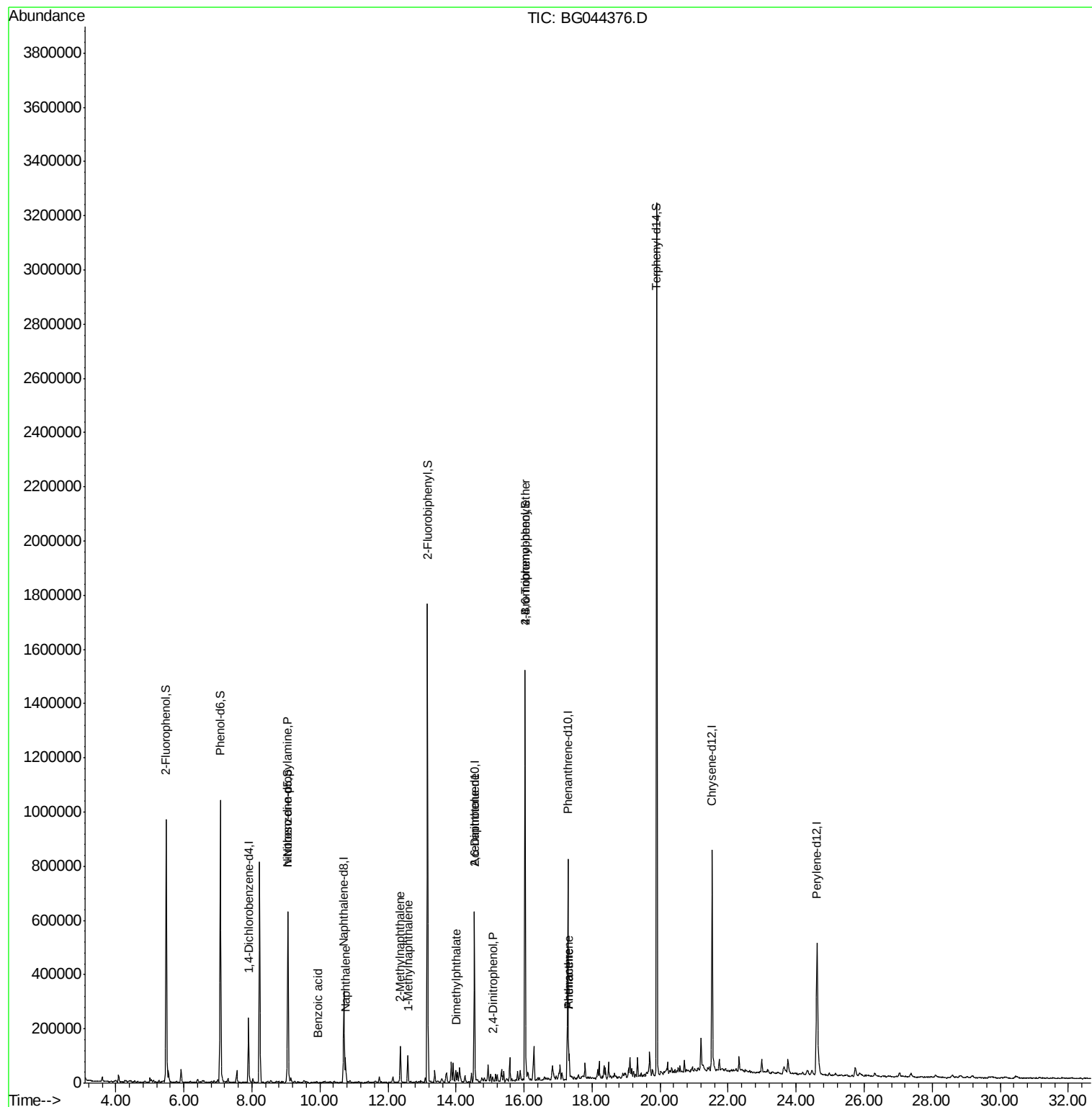
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.06	70	52538	15.097	ng	# 75
31) Naphthalene	10.75	128	78271	5.234	ng	97
32) Benzoic acid	9.94	122	57	14.186	ng	# 1
37) 2-Methylnaphthalene	12.36	142	71449	6.434	ng	97
38) 1-Methylnaphthalene	12.59	142	51476	4.917	ng	100
50) Dimethylphthalate	14.00	163	32265	2.047	ng	99
51) 2,6-Dinitrotoluene	14.54	165	30019	8.542	ng	# 30
54) 2,4-Dinitrophenol	15.09	184	60	7.651	ng	# 23
67) 4-Bromophenyl-phenylether	16.03	248	20239	3.689	ng	# 1
71) Phenanthrene	17.33	178	61534	2.523	ng	99
72) Anthracene	17.33	178	61534	2.552	ng	98

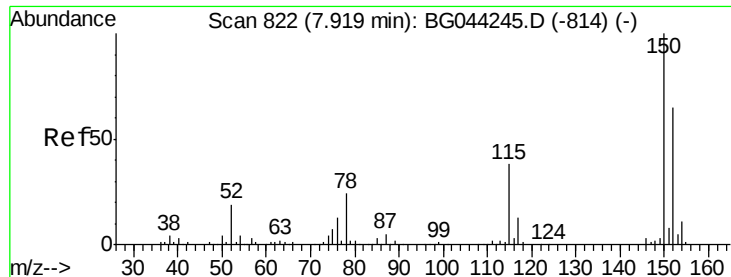
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021020\
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Response via : Initial Calibration

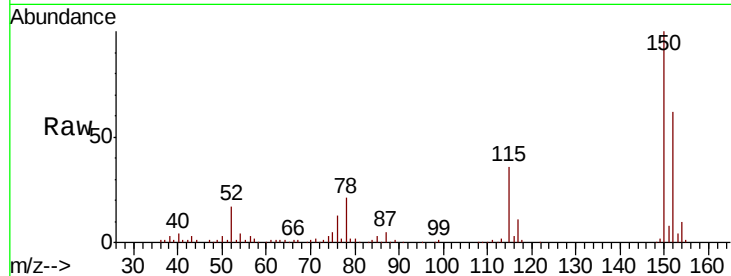




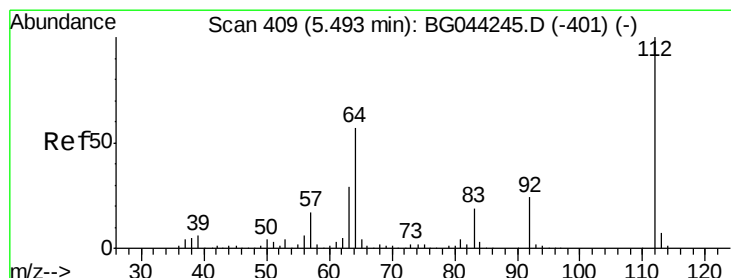
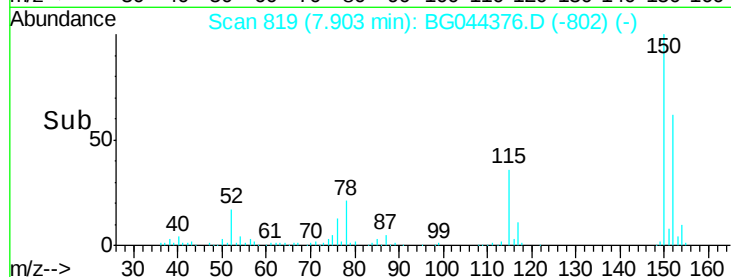
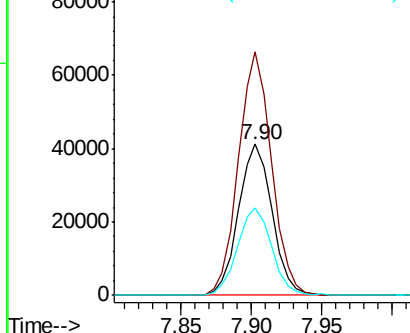
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.90 min Scan# 819
 Delta R.T. -0.00 min
 Lab File: BG044376.D
 Acq: 11 Feb 2020 5:50

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 68628
 Ion Ratio Lower Upper
 152 100
 150 161.3 122.6 183.8
 115 58.3 46.0 69.0

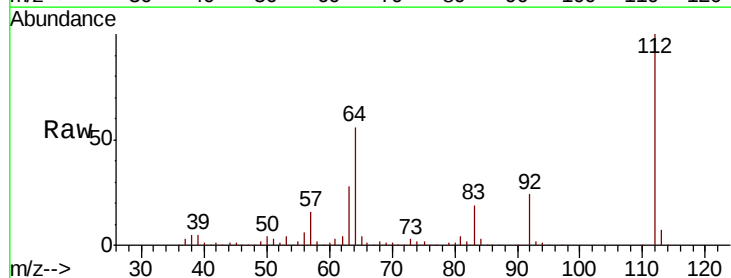


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

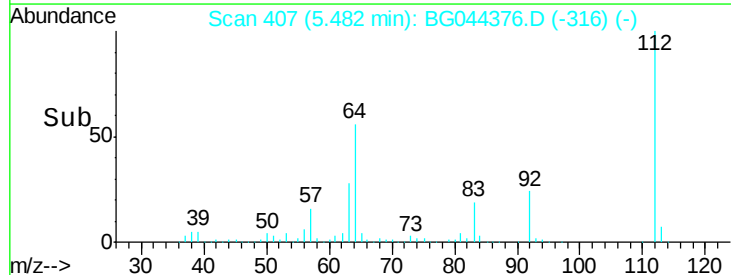
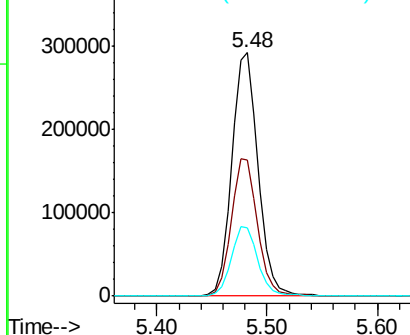


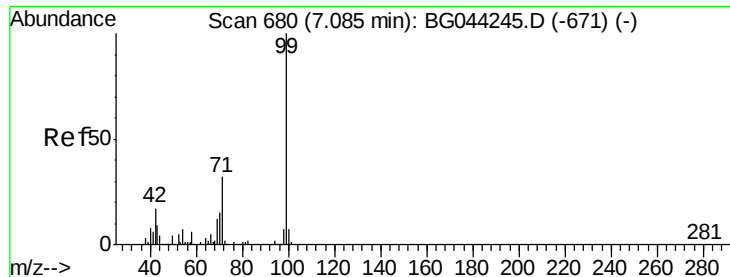
#5
 2-Fluorophenol
 Concen: 125.783 ng
 RT: 5.48 min Scan# 407
 Delta R.T. 0.00 min
 Lab File: BG044376.D
 Acq: 11 Feb 2020 5:50

Tgt Ion:112 Resp: 489121
 Ion Ratio Lower Upper
 112 100
 64 55.9 45.4 68.2
 63 28.3 22.9 34.3



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: 129.190 ng

RT: 7.07 min Scan# 678

Delta R.T. -0.00 min

Lab File: BG044376.D

Acq: 11 Feb 2020 5:50

Instrument :

BNA_G

ClientSampleId :

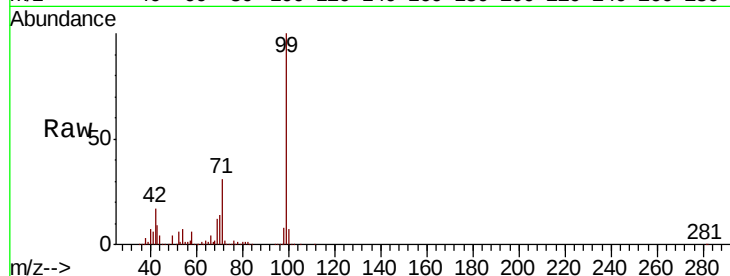
Tot Ion: 99 Resp: 674606

Ion Ratio Lower Upper

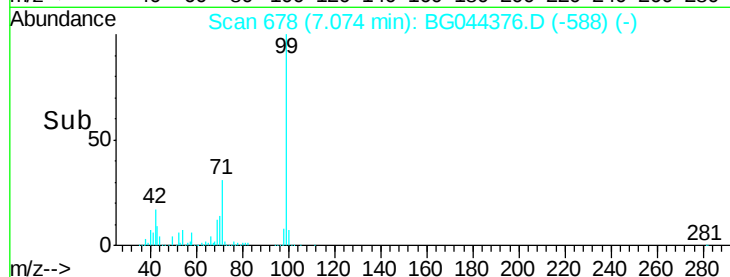
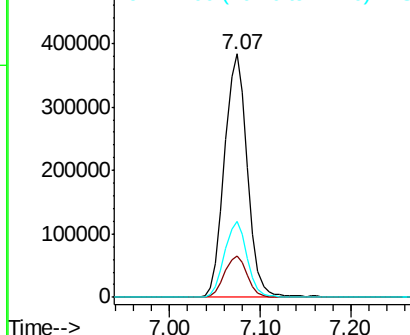
99 100

42 17.2 13.8 20.6

71 31.4 25.5 38.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.097 ng

RT: 9.06 min Scan# 1016

Delta R.T. 0.35 min

Lab File: BG044376.D

Acq: 11 Feb 2020 5:50

Tgt Ion: 70 Resp: 52538

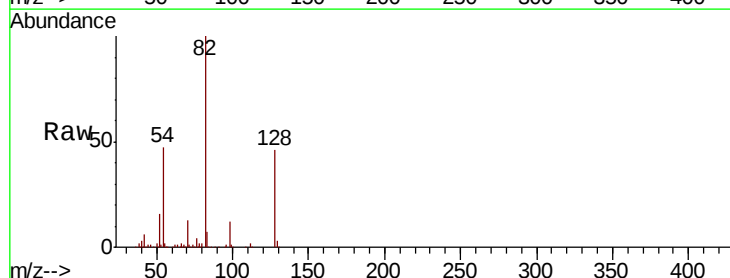
Ion Ratio Lower Upper

70 100

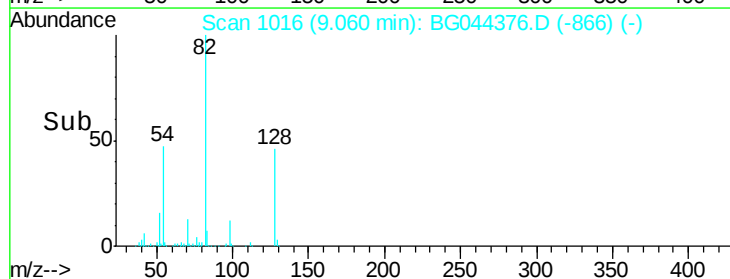
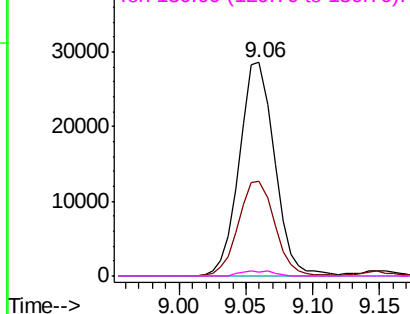
42 44.4 46.2 69.2#

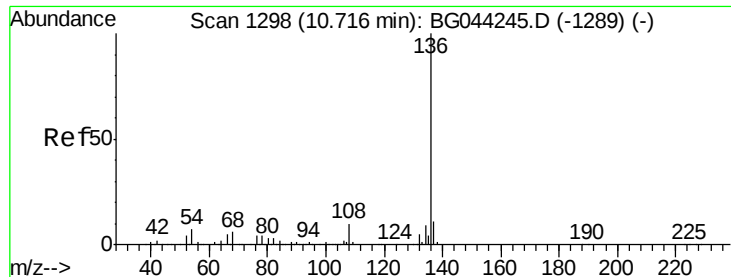
101 0.0 8.4 12.6#

130 1.7 17.8 26.8#



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

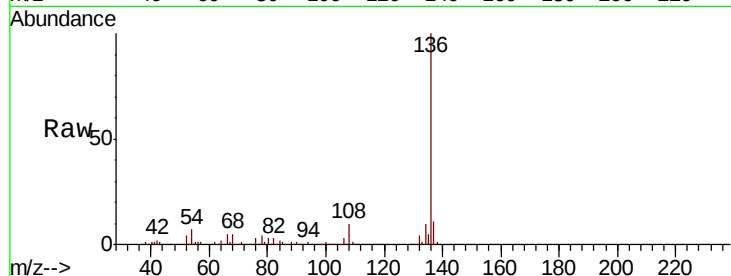




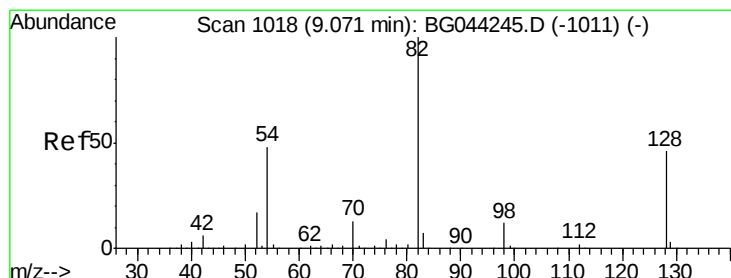
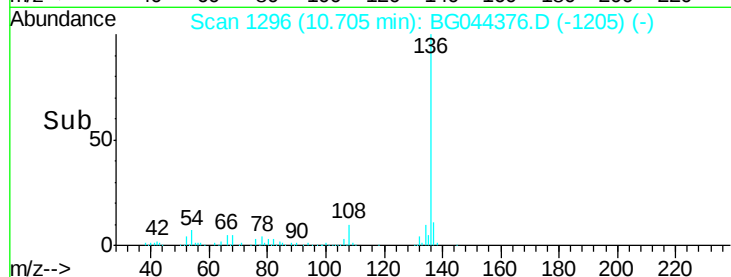
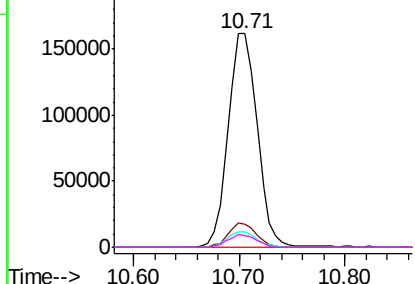
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.71 min Scan# 1296
Delta R.T. 0.00 min
Lab File: BG044376.D
Acq: 11 Feb 2020 5:50

Instrument :
BNA_G
ClientSampled :

Tot Ion:136	Resp:	308258
Ion	Ratio	Lower Upper
136	100	
137	10.7	8.8 13.2
54	7.1	5.8 8.8
68	5.4	4.6 6.8

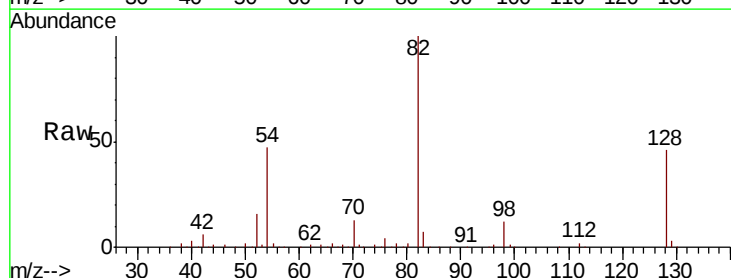


Abundance Ion 136.00 (135.70 to 136.70): E
250000
Ion 137.00 (136.70 to 137.70): E
200000
Ion 54.00 (53.70 to 54.70): BGC
150000
Ion 68.00 (67.70 to 68.70): BGC
100000
50000
0

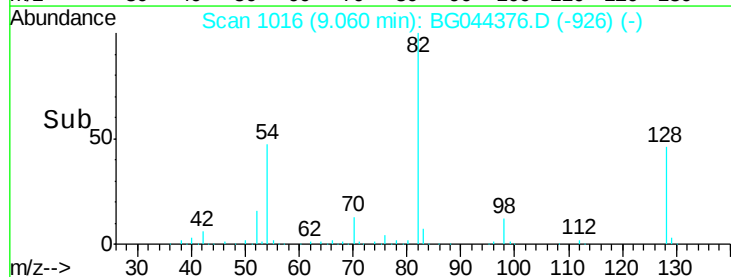
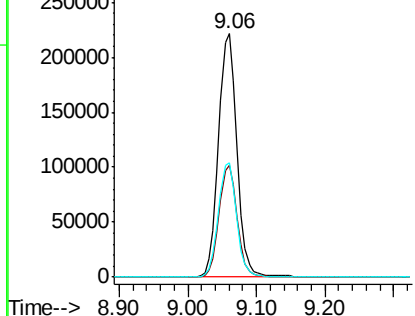


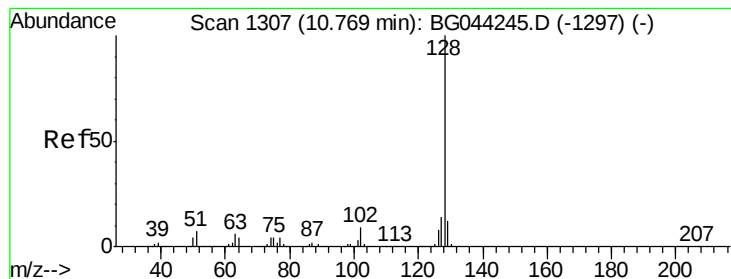
#23
Nitrobenzene-d5
Concen: 75.843 ng
RT: 9.06 min Scan# 1016
Delta R.T. -0.00 min
Lab File: BG044376.D
Acq: 11 Feb 2020 5:50

Tgt Ion: 82	Resp:	414111
Ion	Ratio	Lower Upper
82	100	
128	46.0	36.5 54.7
54	47.0	38.6 58.0



Abundance Ion 82.00 (81.70 to 82.70): BGC
300000
Ion 128.00 (127.70 to 128.70): E
250000
Ion 54.00 (53.70 to 54.70): BGC
200000
150000
100000
50000
0





#31

Naphthalene

Concen: 5.234 ng

RT: 10.75 min Scan# 1304

Delta R.T. -0.00 min

Lab File: BG044376.D

Acq: 11 Feb 2020 5:50

Instrument :

BNA_G

ClientSampled :

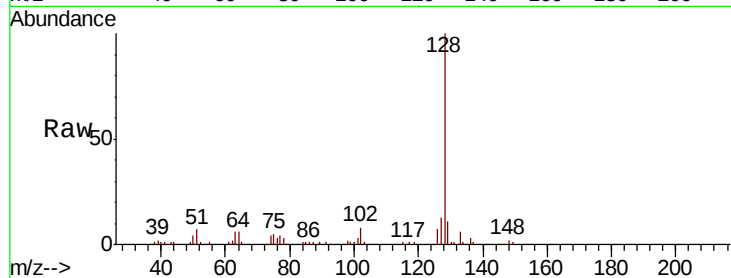
Tot Ion:128 Resp: 78271

Ion Ratio Lower Upper

128 100

129 11.2 9.3 13.9

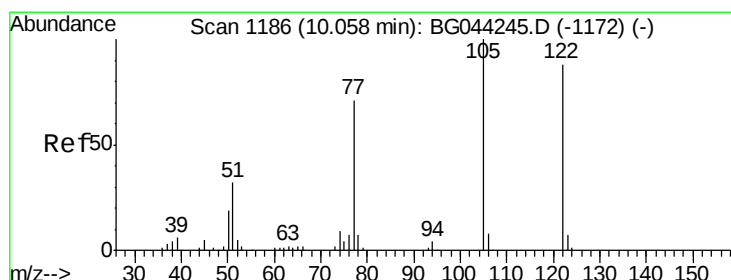
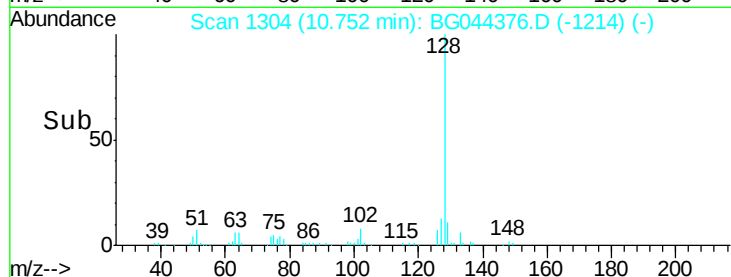
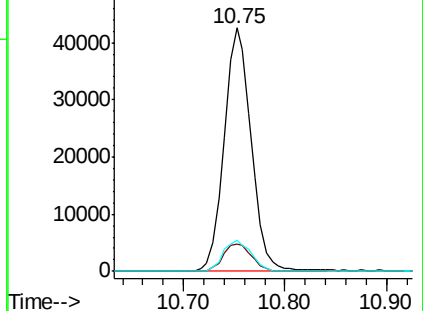
127 12.9 11.6 17.4



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 14.186 ng

RT: 9.94 min Scan# 1165

Delta R.T. -0.11 min

Lab File: BG044376.D

Acq: 11 Feb 2020 5:50

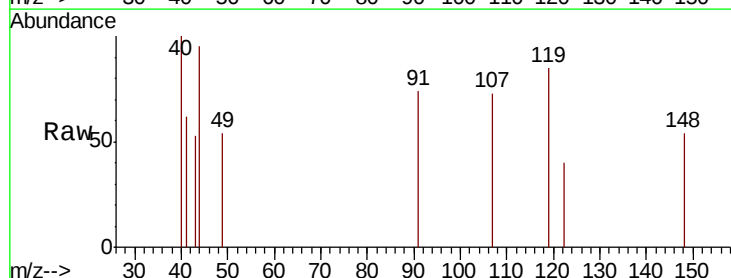
Tgt Ion:122 Resp: 57

Ion Ratio Lower Upper

122 100

105 0.0 93.5 133.5#

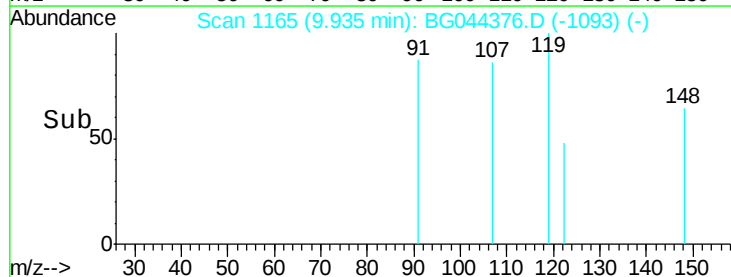
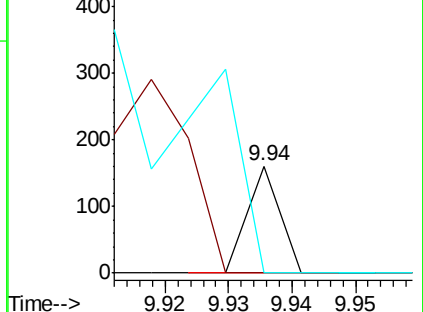
77 0.0 61.0 101.0#

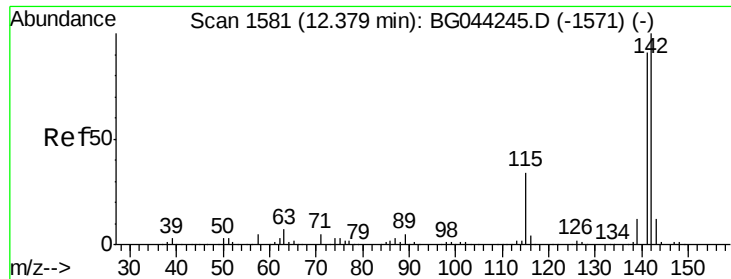


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG

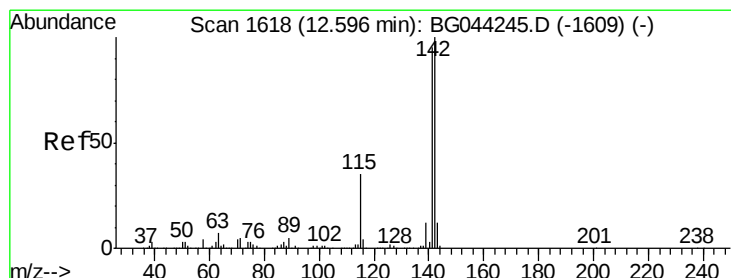
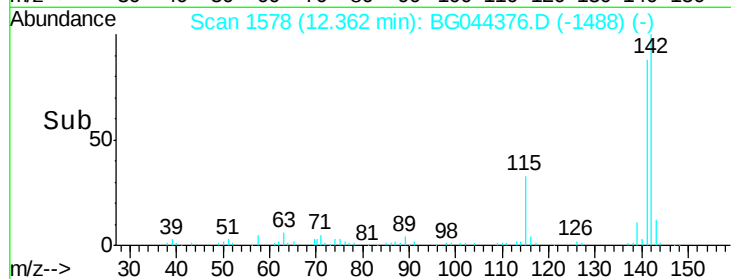
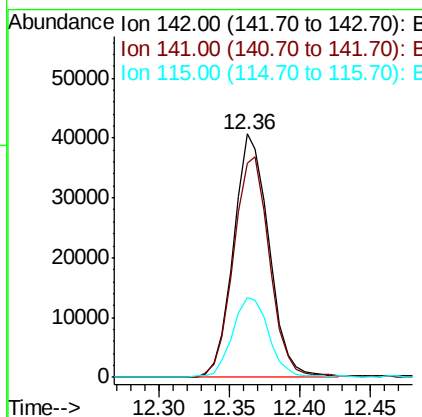
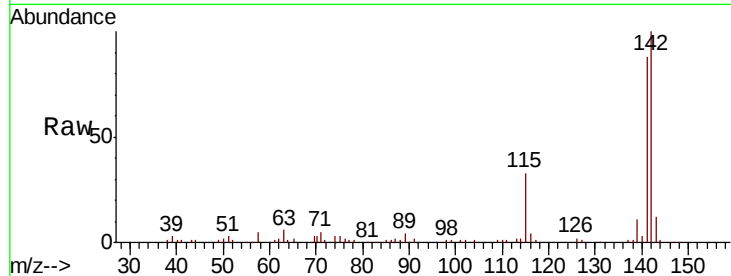




#37
2-Methylnaphthalene
Concen: 6.434 ng
RT: 12.36 min Scan# 1578
Delta R.T. -0.00 min
Lab File: BG044376.D
Acq: 11 Feb 2020 5:50

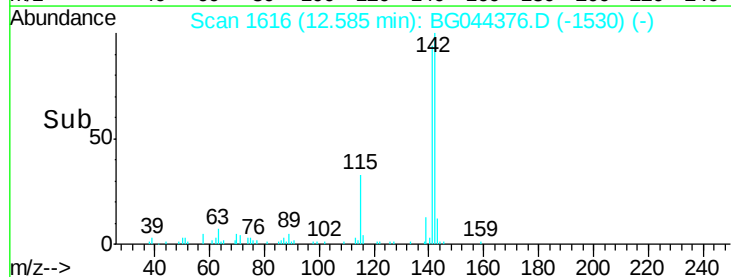
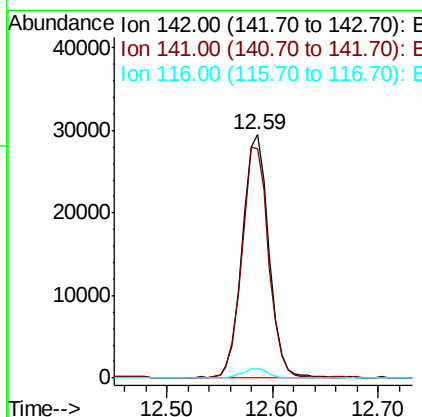
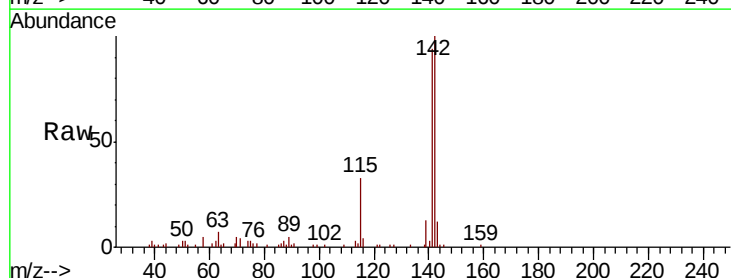
Instrument :
BNA_G
ClientSampleId :

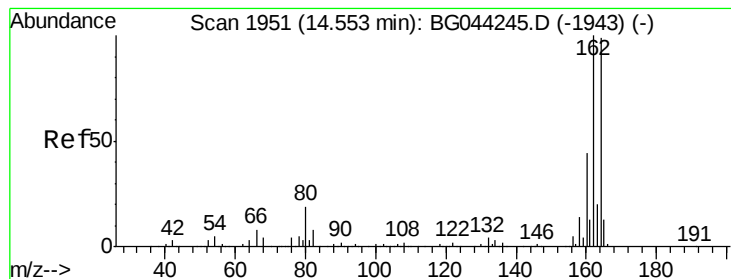
Tot Ion:142 Resp: 71449
Ion Ratio Lower Upper
142 100
141 88.1 73.2 109.8
115 32.6 27.1 40.7



#38
1-Methylnaphthalene
Concen: 4.917 ng
RT: 12.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: BG044376.D
Acq: 11 Feb 2020 5:50

Tgt Ion:142 Resp: 51476
Ion Ratio Lower Upper
142 100
141 94.4 75.8 113.6
116 3.8 3.1 4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.54 min Scan# 1949

Delta R.T. -0.00 min

Lab File: BG044376.D

Acq: 11 Feb 2020 5:50

Instrument :

BNA_G

ClientSampleId :

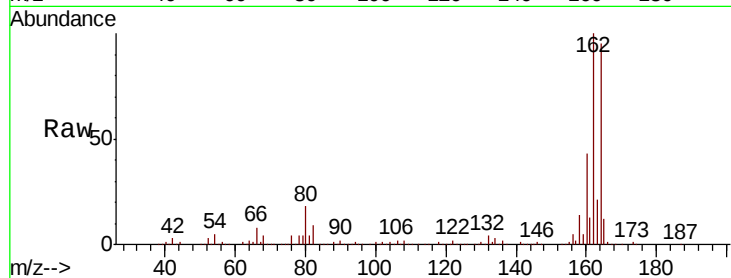
Tot Ion:164 Resp: 219277

Ion Ratio Lower Upper

164 100

162 105.0 80.7 121.1

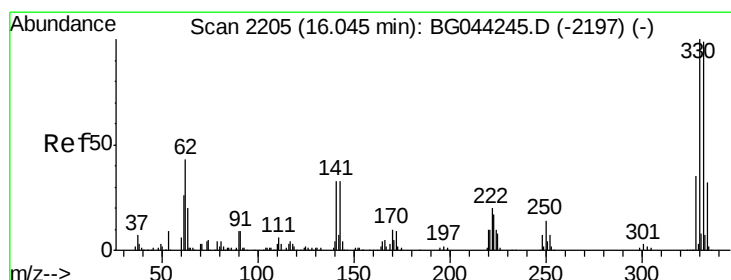
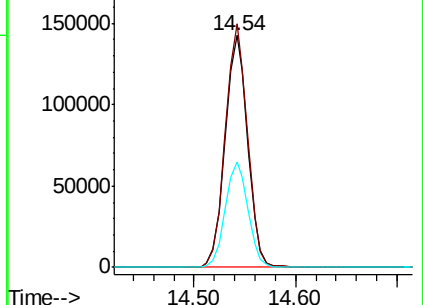
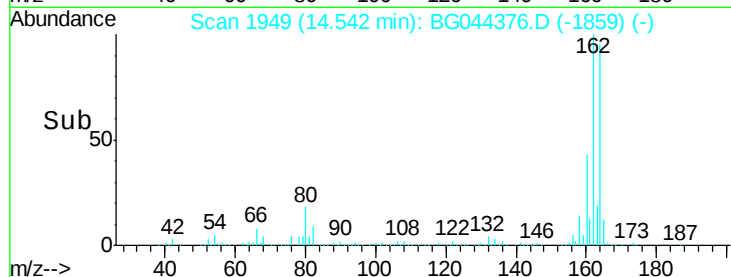
160 45.3 35.3 52.9



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 115.276 ng

RT: 16.03 min Scan# 2203

Delta R.T. 0.00 min

Lab File: BG044376.D

Acq: 11 Feb 2020 5:50

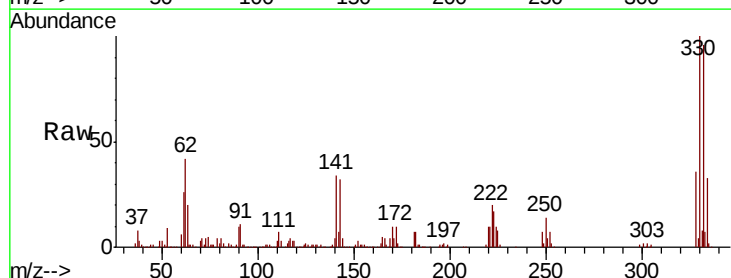
Tgt Ion:330 Resp: 296741

Ion Ratio Lower Upper

330 100

332 96.5 77.2 115.8

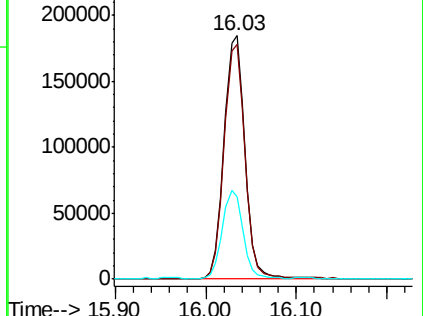
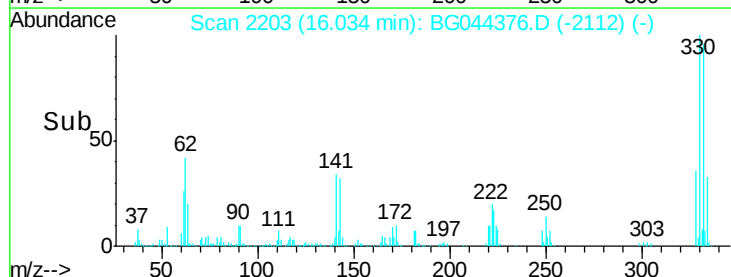
141 35.6 28.3 42.5

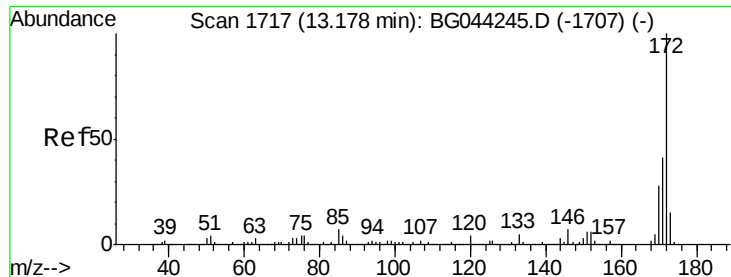


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

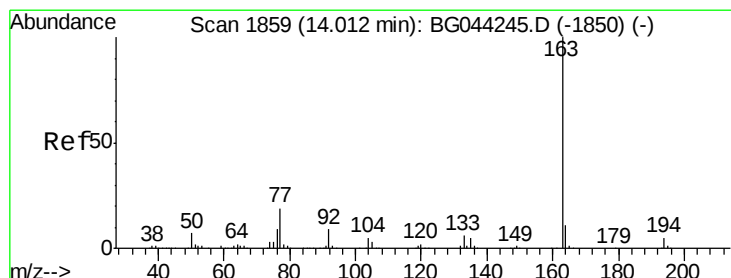
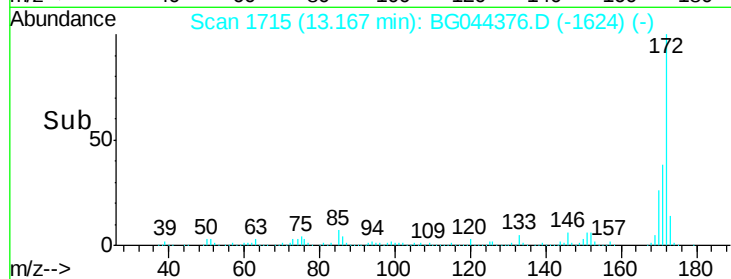
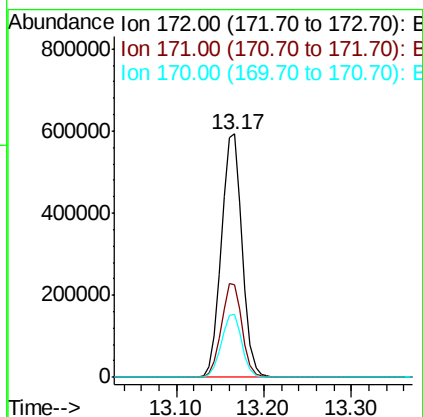
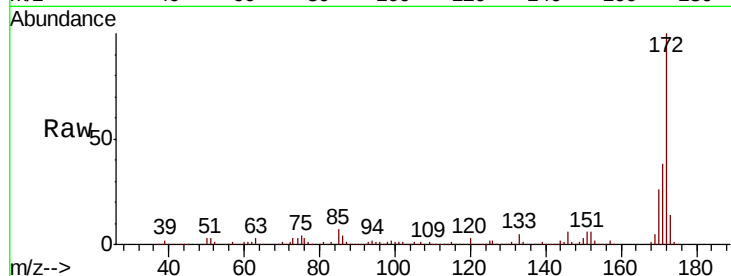




#45
2-Fluorobiphenyl
Concen: 74.554 ng
RT: 13.17 min Scan# 1715
Delta R.T. 0.00 min
Lab File: BG044376.D
Acq: 11 Feb 2020 5:50

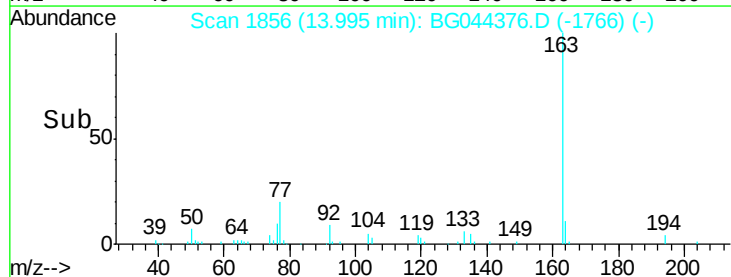
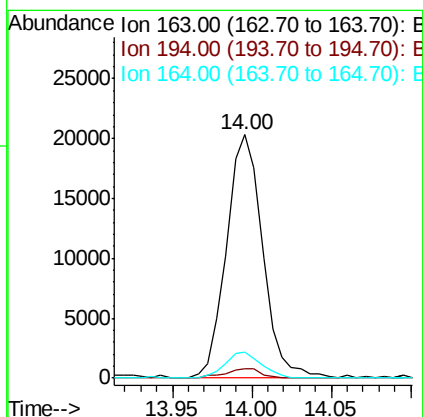
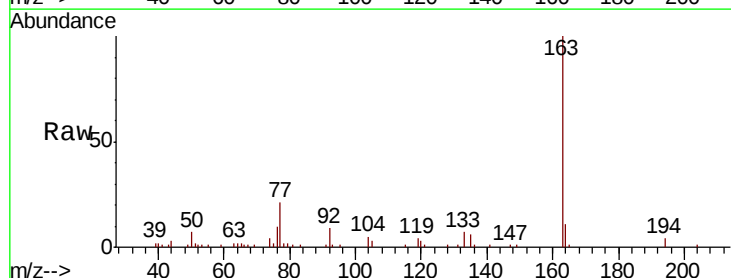
Instrument :
BNA_G
ClientSampleId :

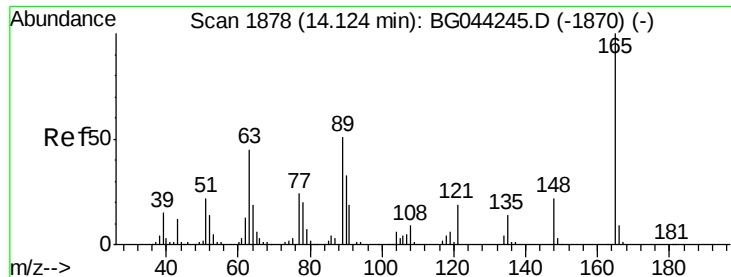
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.2	32.9	49.3
170	25.9	22.0	33.0



#50
Dimethylphthalate
Concen: 2.047 ng
RT: 14.00 min Scan# 1856
Delta R.T. -0.00 min
Lab File: BG044376.D
Acq: 11 Feb 2020 5:50

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.6	5.4
164	10.6	8.7	13.1

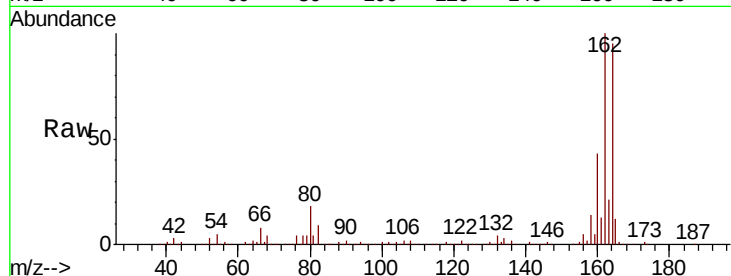




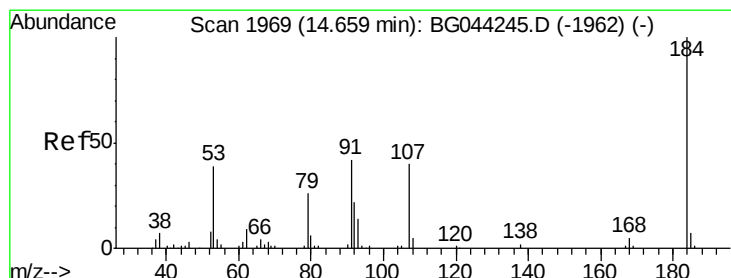
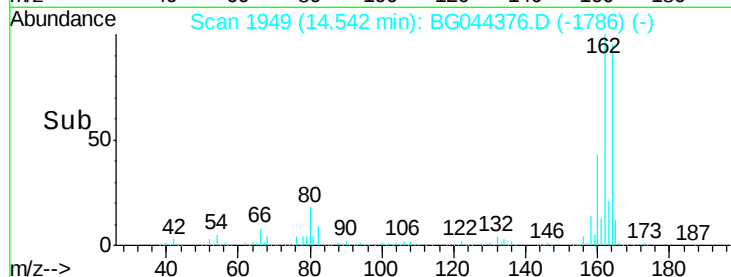
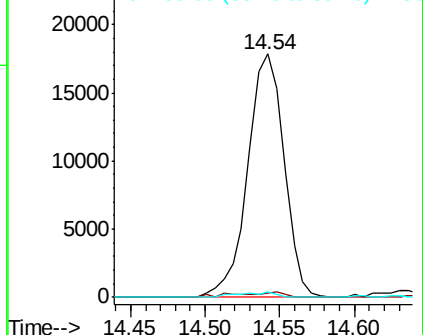
#51
 2,6-Dinitrotoluene
 Concen: 8.542 ng
 RT: 14.54 min Scan# 1949
 Delta R.T. 0.43 min
 Lab File: BG044376.D
 Acq: 11 Feb 2020 5:50

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:165 Resp: 30019
 Ion Ratio Lower Upper
 165 100
 63 1.5 38.7 58.1#
 89 2.1 40.4 60.6#

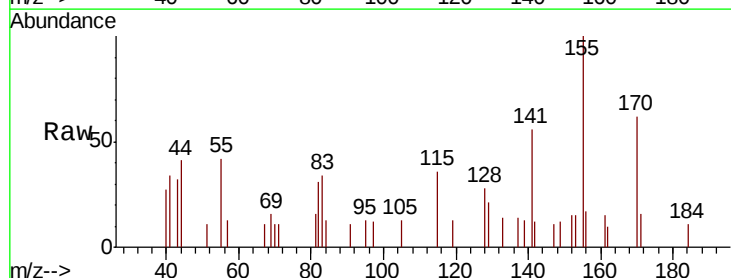


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

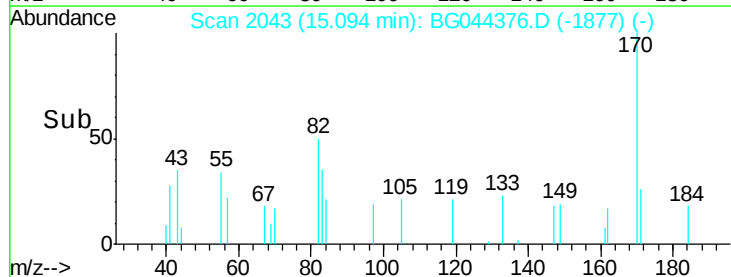
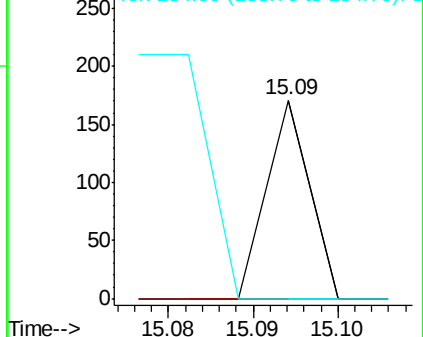


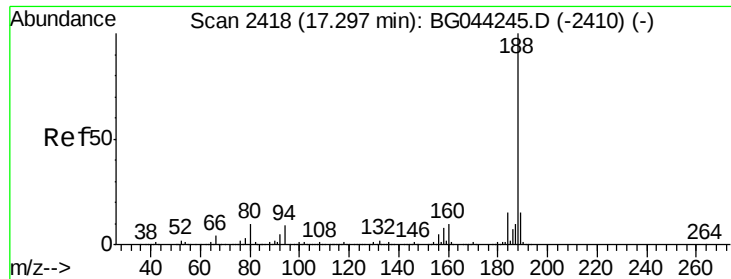
#54
 2,4-Dinitrophenol
 Concen: 7.651 ng
 RT: 15.09 min Scan# 2043
 Delta R.T. 0.44 min
 Lab File: BG044376.D
 Acq: 11 Feb 2020 5:50

Tgt Ion:184 Resp: 60
 Ion Ratio Lower Upper
 184 100
 63 0.0 44.1 66.1#
 154 0.0 45.4 68.0#



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

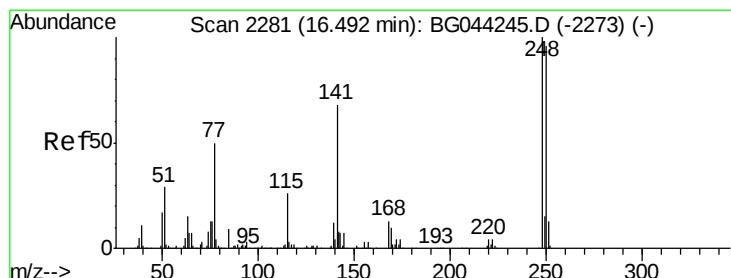
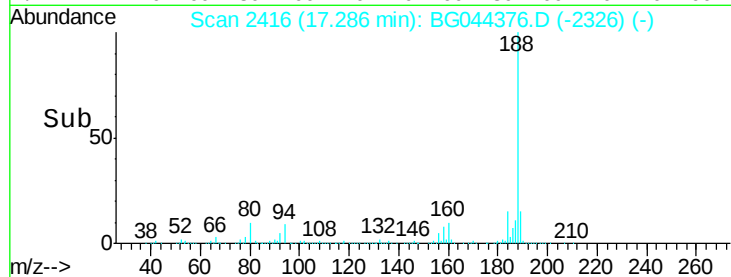
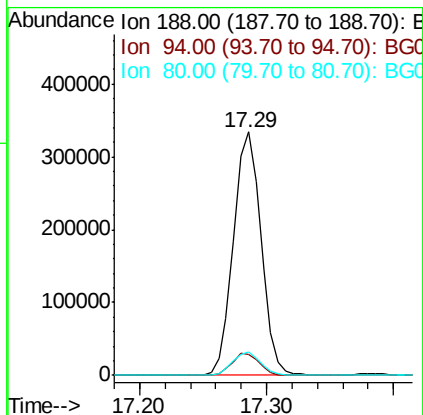
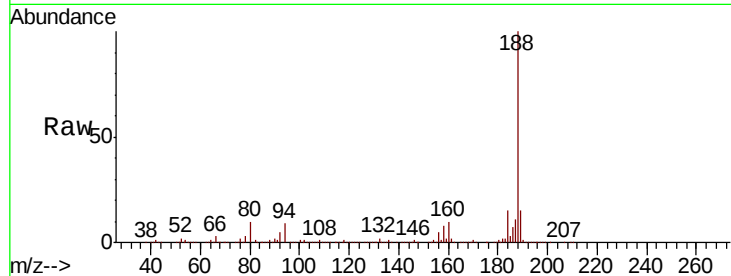




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.29 min Scan# 2416
Delta R.T. -0.00 min
Lab File: BG044376.D
Acq: 11 Feb 2020 5:50

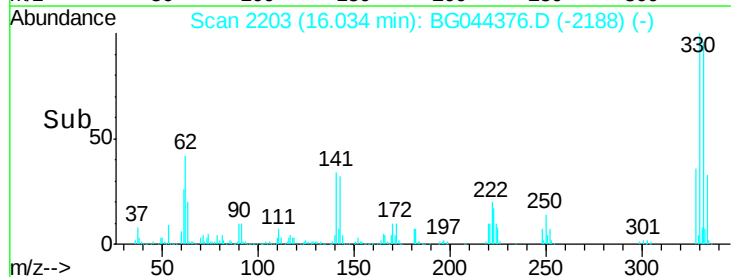
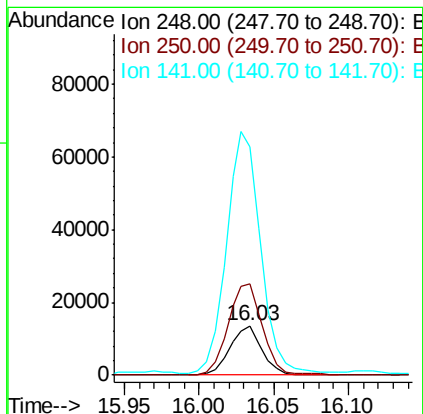
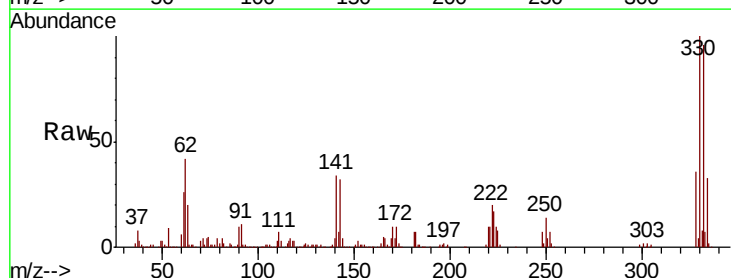
Instrument :
BNA_G
ClientSampleId :

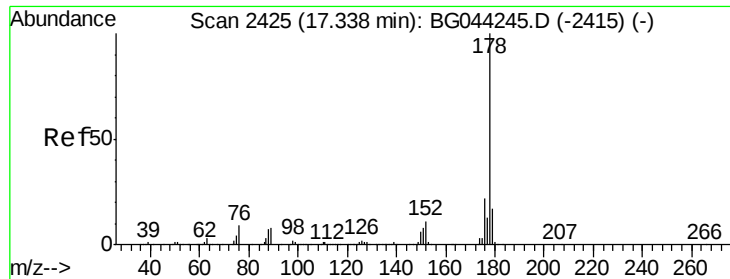
Tot Ion:188 Resp: 503635
Ion Ratio Lower Upper
188 100
94 8.7 7.4 11.2
80 9.7 7.7 11.5



#67
4-Bromophenyl-phenylether
Concen: 3.689 ng
RT: 16.03 min Scan# 2203
Delta R.T. -0.44 min
Lab File: BG044376.D
Acq: 11 Feb 2020 5:50

Tgt Ion:248 Resp: 20239
Ion Ratio Lower Upper
248 100
250 186.1 76.6 114.8#
141 462.8 54.7 82.1#

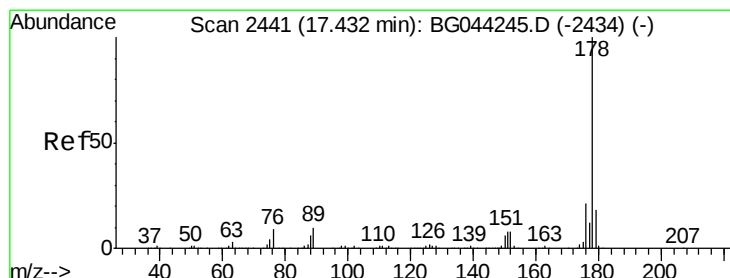
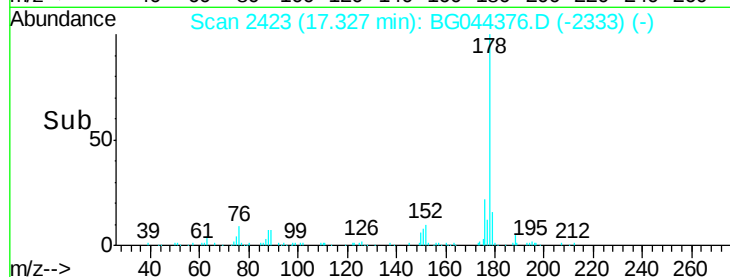
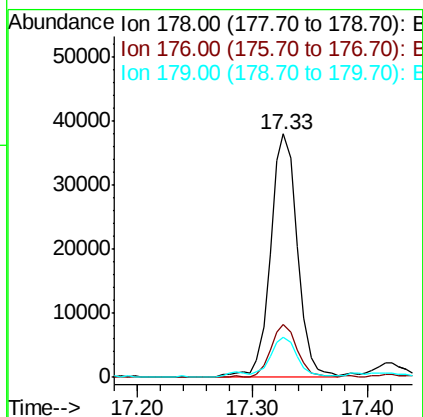
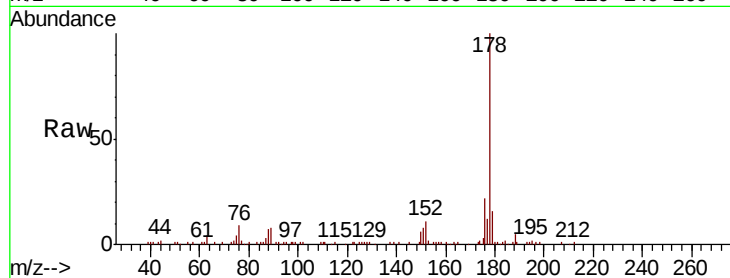




#71
Phenanthrene
Concen: 2.523 ng
RT: 17.33 min Scan# 2423
Delta R.T. -0.00 min
Lab File: BG044376.D
Acq: 11 Feb 2020 5:50

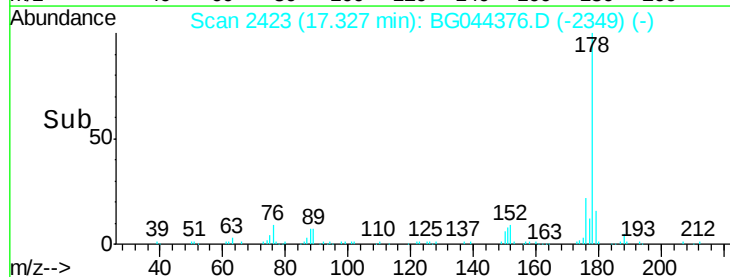
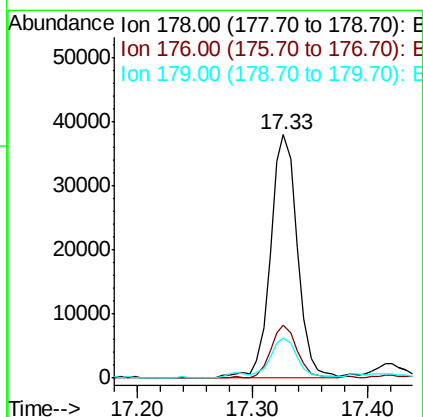
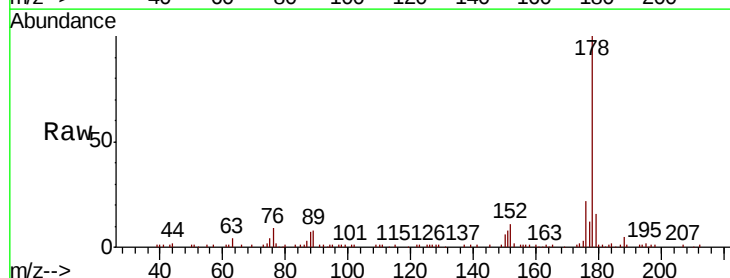
Instrument :
BNA_G
ClientSampleId :

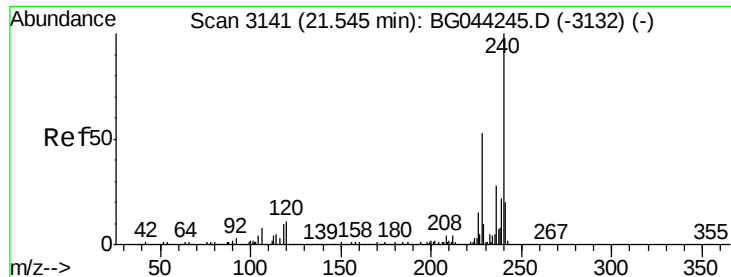
Tot Ion:178 Resp: 61534
Ion Ratio Lower Upper
178 100
176 21.7 17.7 26.5
179 16.3 13.7 20.5



#72
Anthracene
Concen: 2.552 ng
RT: 17.33 min Scan# 2423
Delta R.T. -0.10 min
Lab File: BG044376.D
Acq: 11 Feb 2020 5:50

Tgt Ion:178 Resp: 61534
Ion Ratio Lower Upper
178 100
176 21.7 17.0 25.4
179 16.3 14.4 21.6

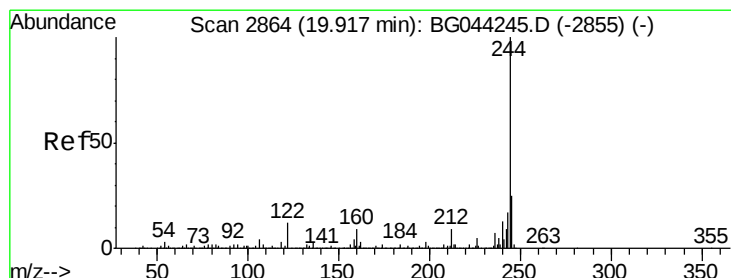
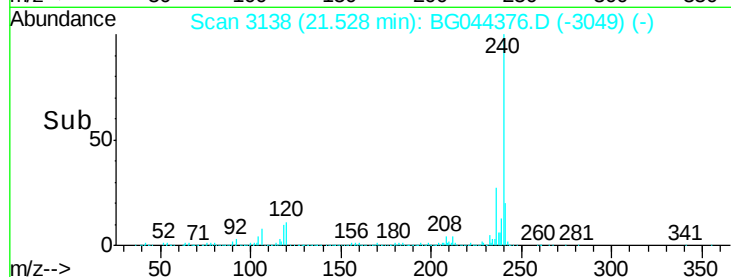
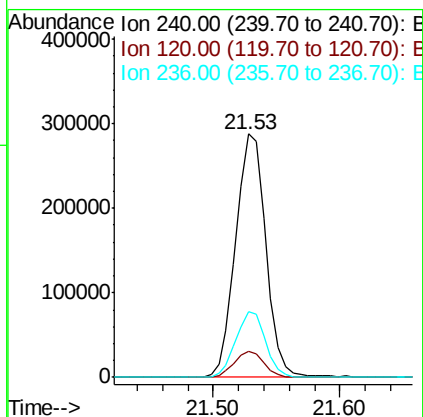
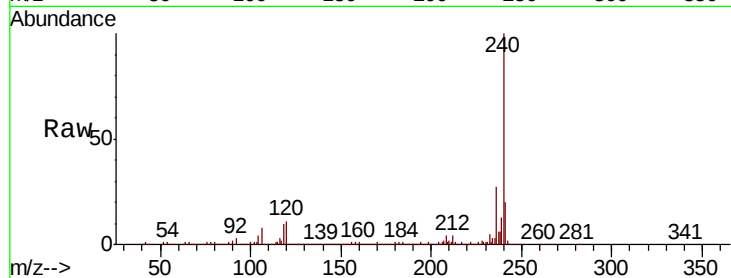




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 21.53 min Scan# 3138
 Delta R.T. -0.01 min
 Lab File: BG044376.D
 Acq: 11 Feb 2020 5:50

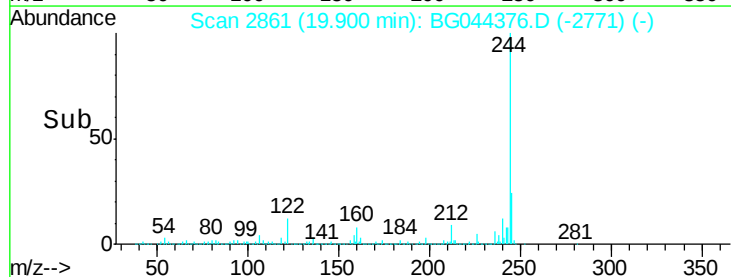
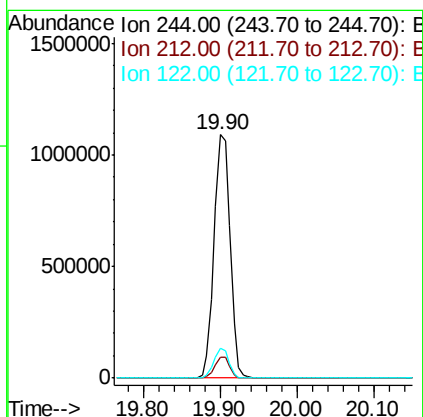
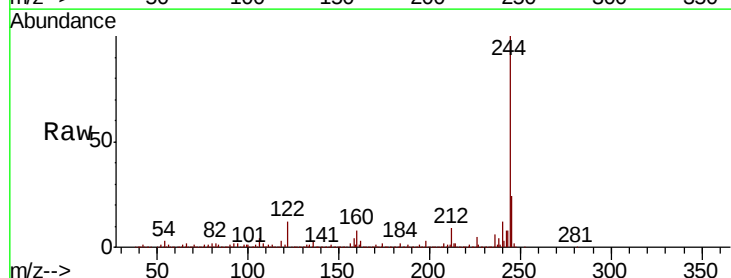
Instrument :
 BNA_G
 ClientSampleId :

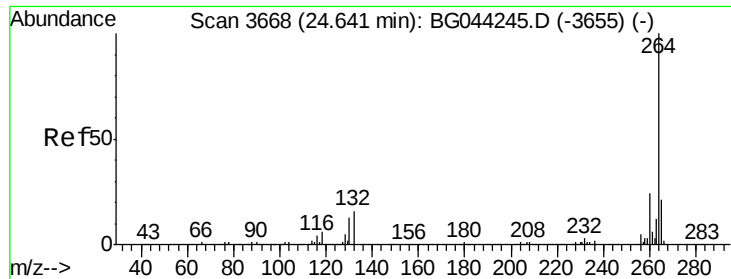
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.4	12.6
236	26.8	22.1	33.1



#79
 Terphenyl-d14
 Concen: 67.327 ng
 RT: 19.90 min Scan# 2861
 Delta R.T. -0.00 min
 Lab File: BG044376.D
 Acq: 11 Feb 2020 5:50

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.6	7.4	11.2
122	12.2	9.8	14.6





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.61 min Scan# 3663
 Delta R.T. -0.01 min
 Lab File: BG044376.D
 Acq: 11 Feb 2020 5:50

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	264	Resp:	501645
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.4	29.2
265	21.8	16.7	25.1

