

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011420\
 Data File : BG044036.D
 Acq On : 14 Jan 2020 14:49
 Operator : JU
 Sample : L1108-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

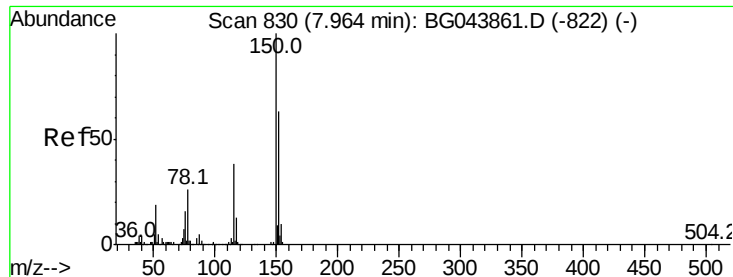
Quant Time: Jan 14 20:33:25 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 31 13:32:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	119818	20.00	ng	-0.02
21) Naphthalene-d8	10.74	136	493576	20.00	ng	-0.02
39) Acenaphthene-d10	14.58	164	303034	20.00	ng	-0.02
64) Phenanthrene-d10	17.32	188	636132	20.00	ng	-0.02
76) Chrysene-d12	21.57	240	573338	20.00	ng	-0.02
87) Perylene-d12	24.70	264	663001	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	694721	106.46	ng	-0.01
7) Phenol-d6	7.11	99	951774	104.34	ng	-0.01
23) Nitrobenzene-d5	9.10	82	553198	59.96	ng	-0.02
42) 2,4,6-Tribromophenol	16.06	330	331544	104.55	ng	-0.02
45) 2-Fluorobiphenyl	13.20	172	1116140	66.73	ng	-0.02
79) Terphenyl-d14	19.93	244	1508410	57.65	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.14	94	22299	2.373	ng	92
19) n-Nitroso-di-n-propylamine	9.10	70	72945	10.738	ng	# 81
32) Benzoic acid	10.03	122	423	6.331	ng	# 44
50) Dimethylphthalate	14.03	163	97704	4.541	ng	99
51) 2,6-Dinitrotoluene	14.58	165	40991	8.429	ng	# 26
57) 2,4-Dinitrotoluene	14.58	165	40991	6.194	ng	# 26
65) 4,6-Dinitro-2-methylphenol	16.06	198	1132	4.704	ng	# 1
67) 4-Bromophenyl-phenylether	16.06	248	24352	3.404	ng	# 1
71) Phenanthrene	17.36	178	120432	3.947	ng	95
72) Anthracene	17.36	178	120432	3.994	ng	95
75) Fluoranthene	19.37	202	171536	4.916	ng	93
78) Pylene	19.37	202	171536	4.584	ng	91
81) Benzo(a)anthracene	21.55	228	79269	2.230	ng	91
83) Chrysene	21.61	228	68193	2.019	ng	# 92
84) Bis(2-ethylhexyl)phthalate	21.47	149	67722	2.755	ng	93
88) Benzo(b)fluoranthene	23.70	252	90404	2.307	ng	95
89) Benzo(k)fluoranthene	23.70	252	90404	2.426	ng	96

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.95 min Scan# 827

Delta R.T. -0.02 min

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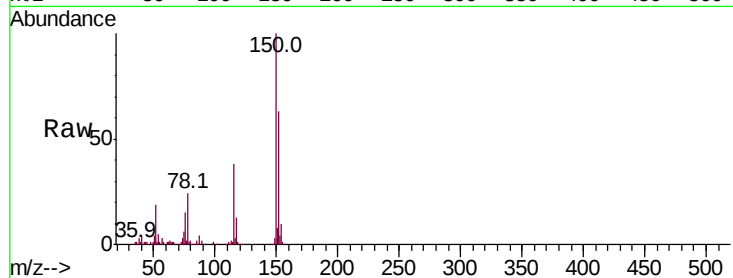
Tot Ion:152 Resp: 119818

Ion Ratio Lower Upper

152 100

150 159.5 127.0 190.4

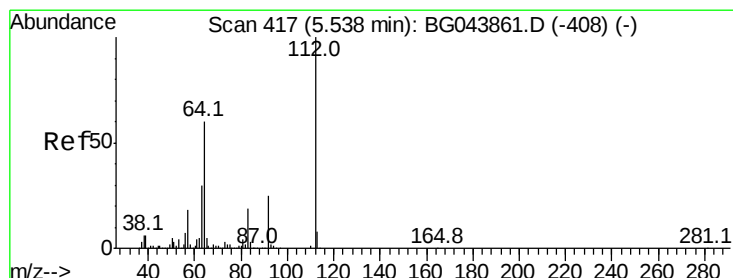
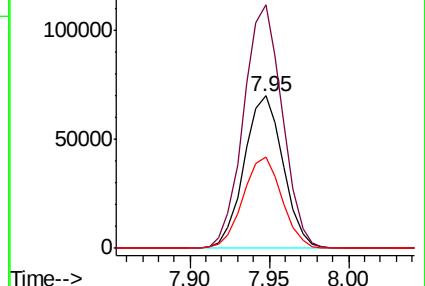
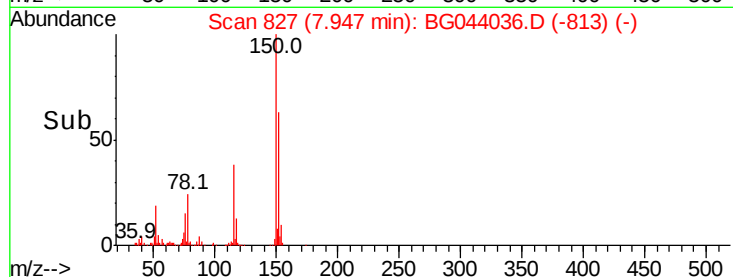
115 60.0 47.8 71.8



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: 106.461 ng

RT: 5.53 min Scan# 415

Delta R.T. -0.01 min

Lab File: BG044036.D

Acq: 14 Jan 2020 14:49

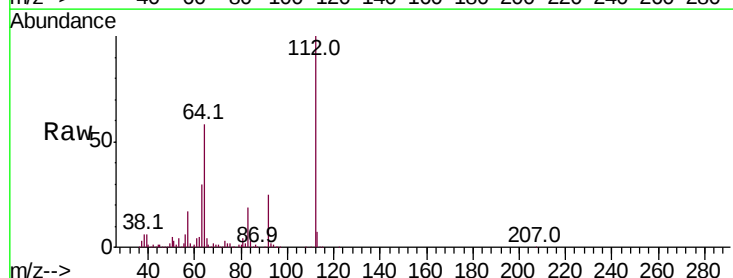
Tgt Ion:112 Resp: 694721

Ion Ratio Lower Upper

112 100

64 57.7 47.8 71.6

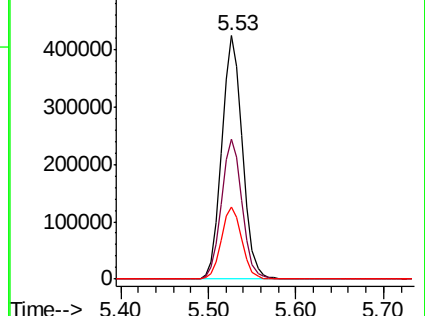
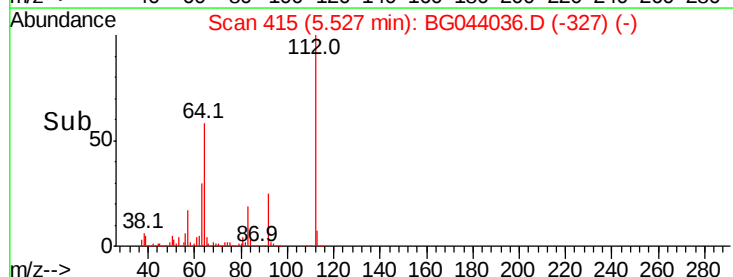
63 29.8 24.3 36.5

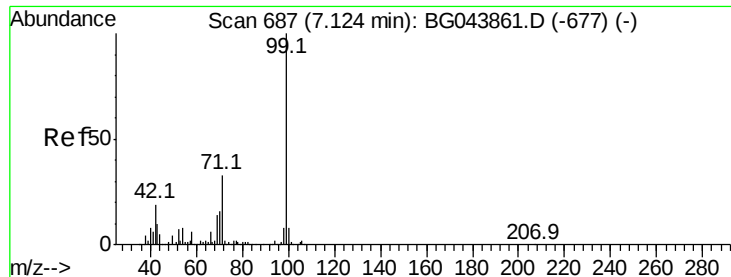


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 104.343 ng

RT: 7.11 min Scan# 685

Delta R.T. -0.01 min

Lab File: BG044036.D

Acq: 14 Jan 2020 14:49

Instrument :

BNA_G

ClientSampleId :

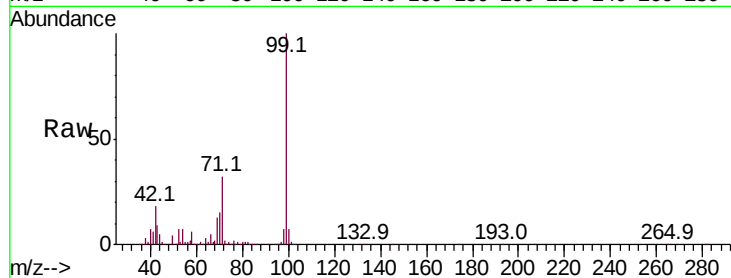
Tot Ion: 99 Resp: 951774

Ion Ratio Lower Upper

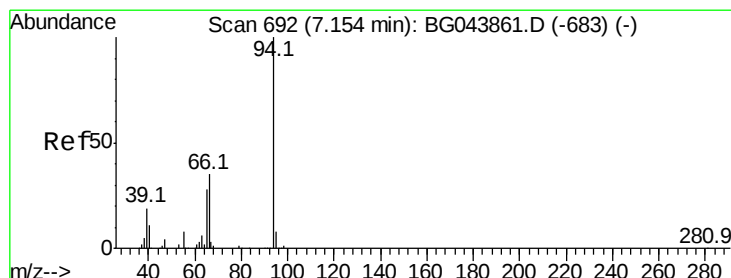
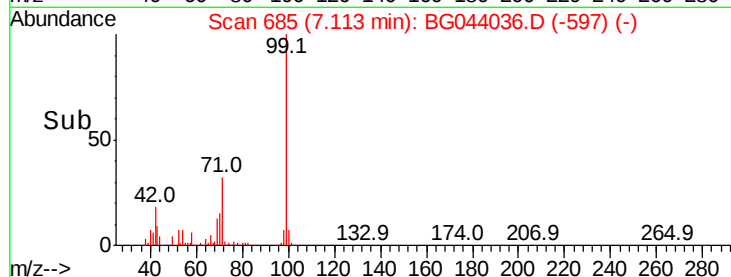
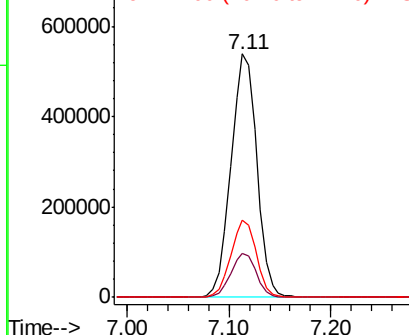
99 100

42 18.2 14.9 22.3

71 31.8 26.4 39.6



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



#10

Phenol

Concen: 2.373 ng

RT: 7.14 min Scan# 690

Delta R.T. -0.01 min

Lab File: BG044036.D

Acq: 14 Jan 2020 14:49

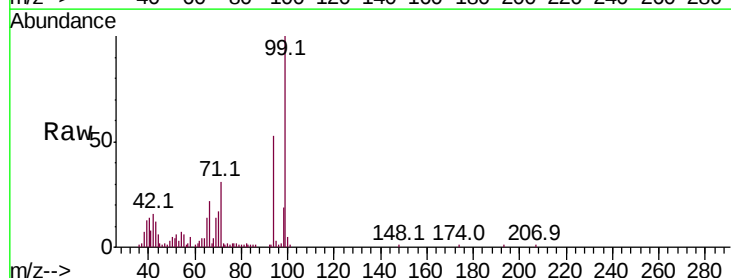
Tgt Ion: 94 Resp: 22299

Ion Ratio Lower Upper

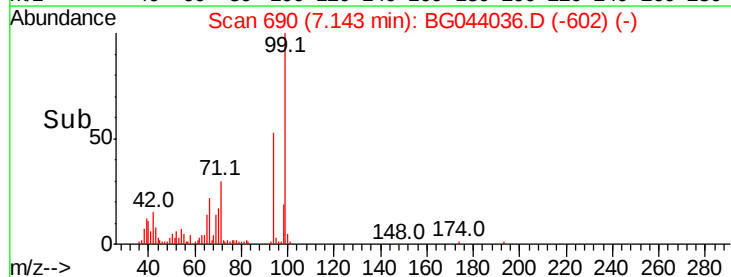
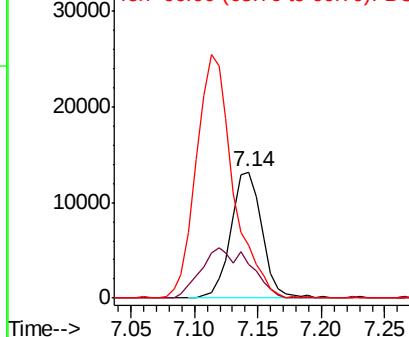
94 100

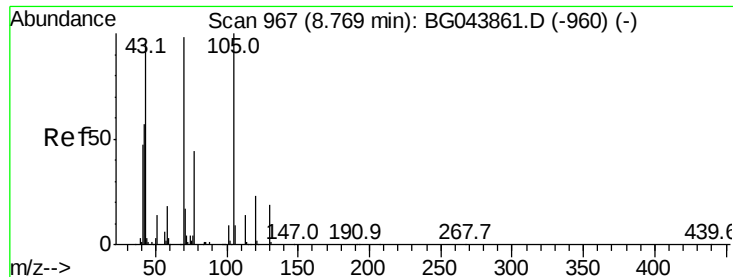
65 26.6 8.1 48.1

66 42.1 15.6 55.6



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





#19

n-Nitroso-di-n-propylamine

Concen: 10.738 ng

RT: 9.10 min Scan# 1023

Delta R.T. 0.33 min

Lab File: BG044036.D

Acq: 14 Jan 2020 14:49

Instrument :

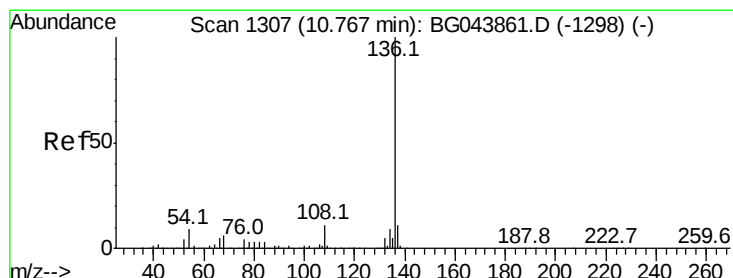
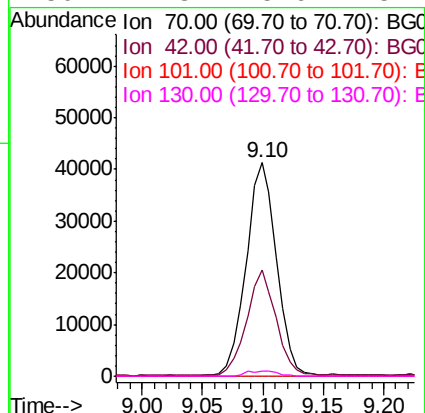
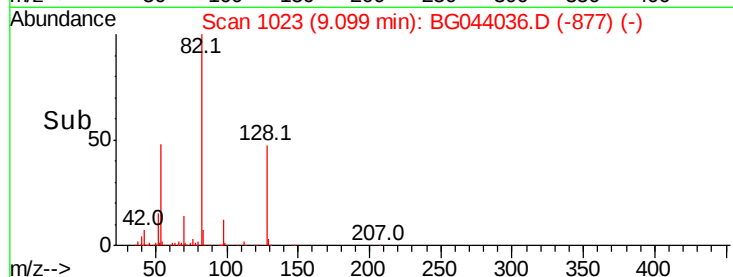
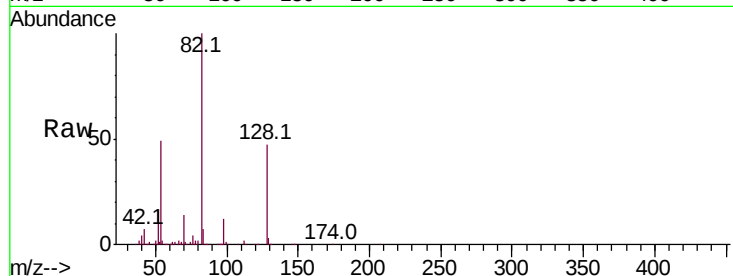
BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 72945

Ion Ratio Lower Upper

70	100		
42	49.9	47.0	70.4
101	0.0	7.2	10.8#
130	2.3	15.6	23.4#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.74 min Scan# 1303

Delta R.T. -0.02 min

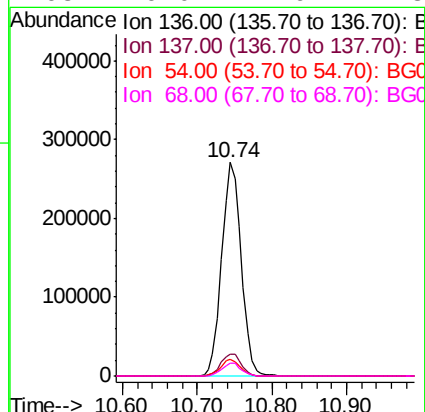
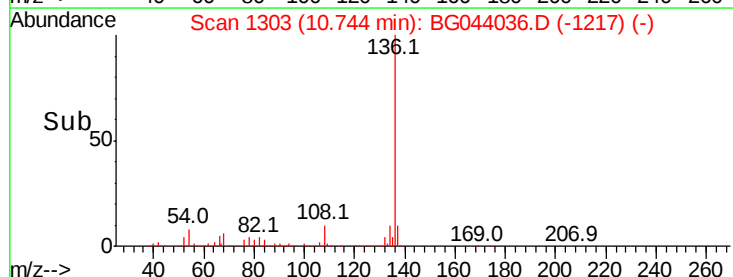
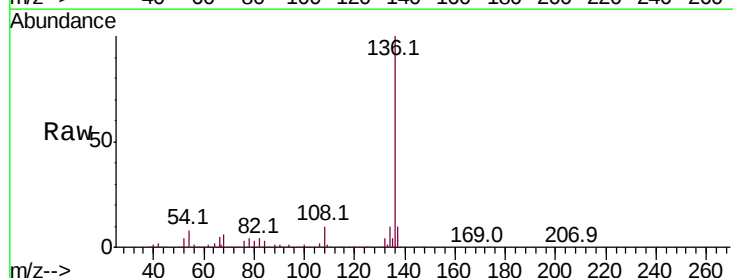
Lab File: BG044036.D

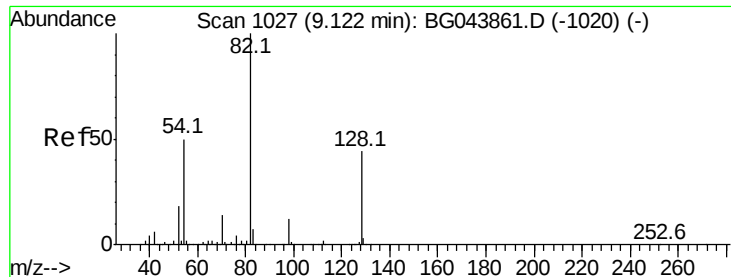
Acq: 14 Jan 2020 14:49

Tgt Ion: 136 Resp: 493576

Ion Ratio Lower Upper

136	100		
137	10.4	8.8	13.2
54	7.9	7.0	10.4
68	6.0	4.9	7.3

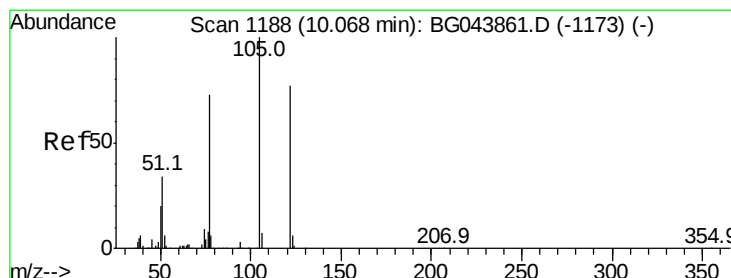
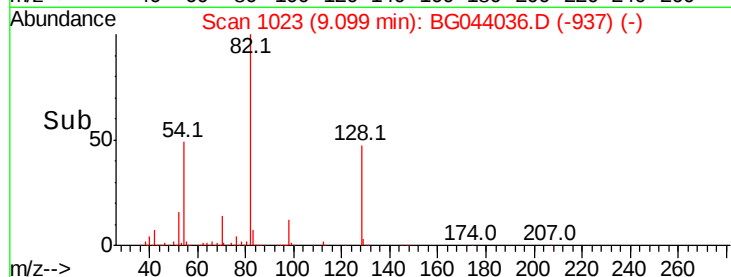
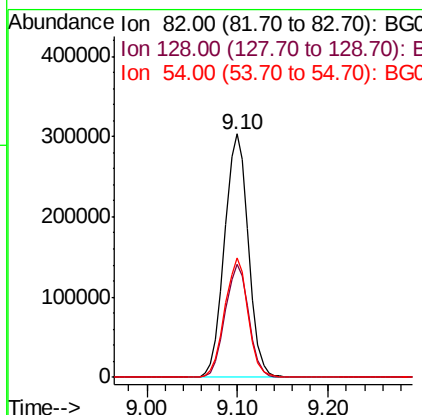
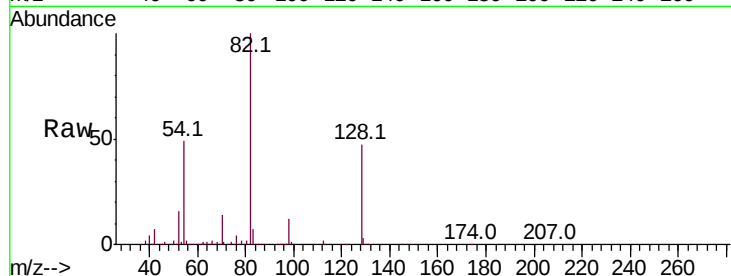




#23
Nitrobenzene-d5
Concen: 59.958 ng
RT: 9.10 min Scan# 1023
Delta R.T. -0.02 min
Lab File: BG044036.D
Acq: 14 Jan 2020 14:49

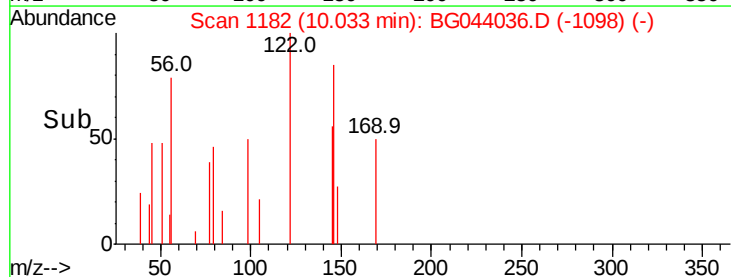
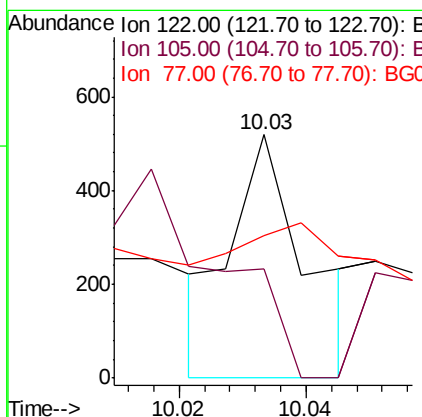
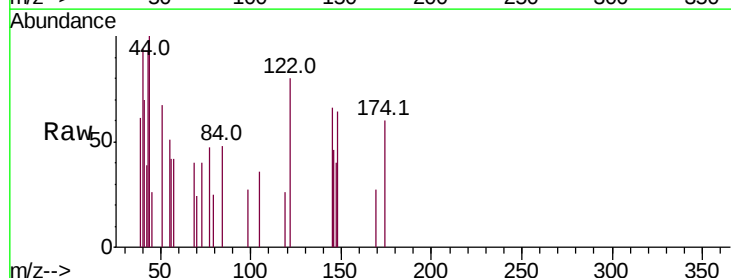
Instrument :
BNA_G
ClientSampled :

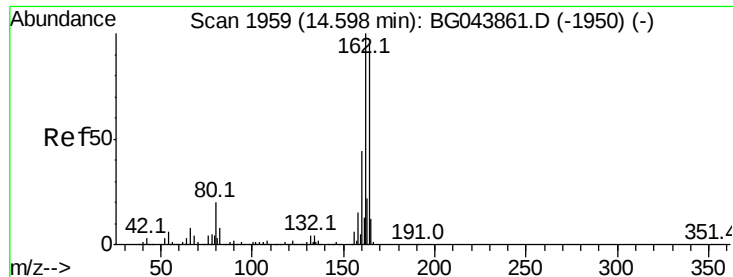
Tot Ion: 82 Resp: 553198
Ion Ratio Lower Upper
82 100
128 46.5 35.1 52.7
54 48.8 40.1 60.1



#32
Benzoic acid
Concen: 6.331 ng
RT: 10.03 min Scan# 1182
Delta R.T. -0.03 min
Lab File: BG044036.D
Acq: 14 Jan 2020 14:49

Tgt Ion: 122 Resp: 423
Ion Ratio Lower Upper
122 100
105 45.1 106.4 146.4#
77 58.8 74.6 114.6#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.58 min Scan# 1955

Delta R.T. -0.02 min

Lab File: BG044036.D

Acq: 14 Jan 2020 14:49

Instrument :

BNA_G

ClientSampleId :

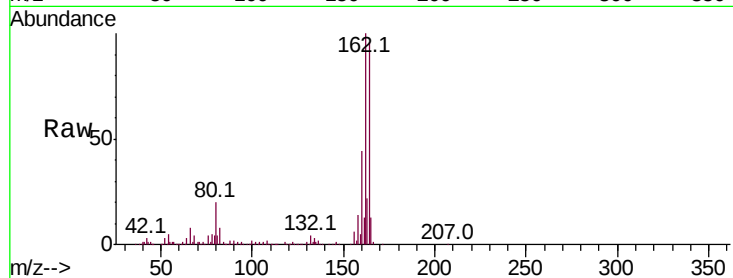
Tot Ion:164 Resp: 303034

Ion Ratio Lower Upper

164 100

162 104.4 83.0 124.4

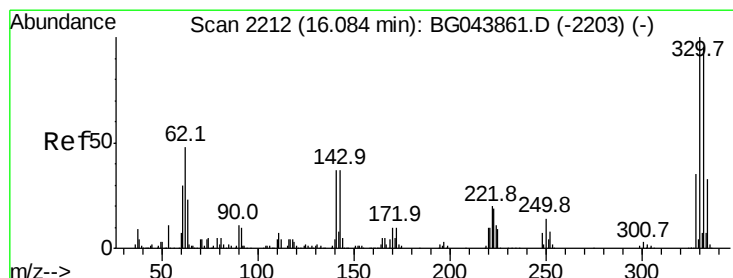
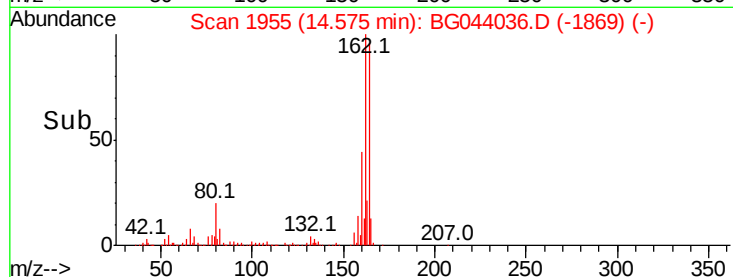
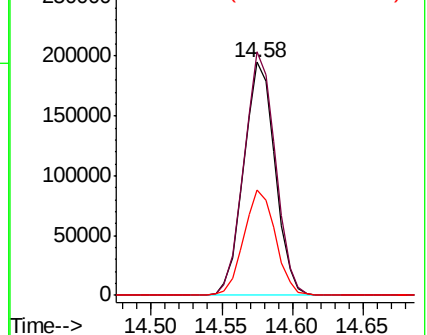
160 45.4 36.1 54.1



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: 104.549 ng

RT: 16.06 min Scan# 2208

Delta R.T. -0.02 min

Lab File: BG044036.D

Acq: 14 Jan 2020 14:49

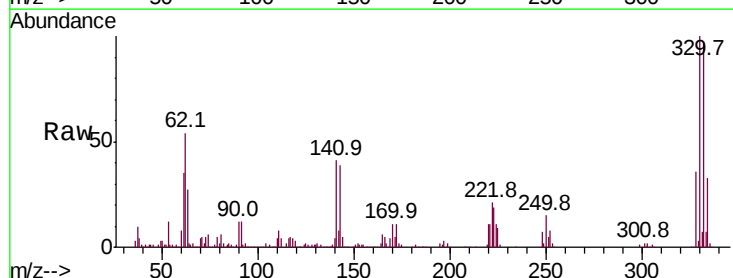
Tgt Ion:330 Resp: 331544

Ion Ratio Lower Upper

330 100

332 96.2 77.2 115.8

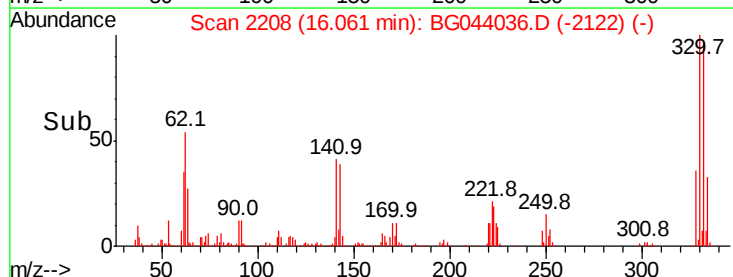
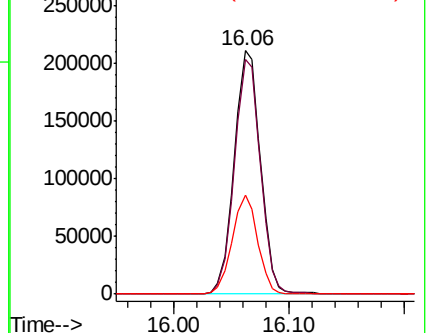
141 39.8 33.1 49.7

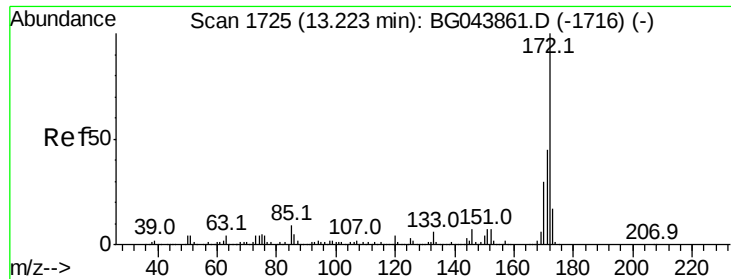


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

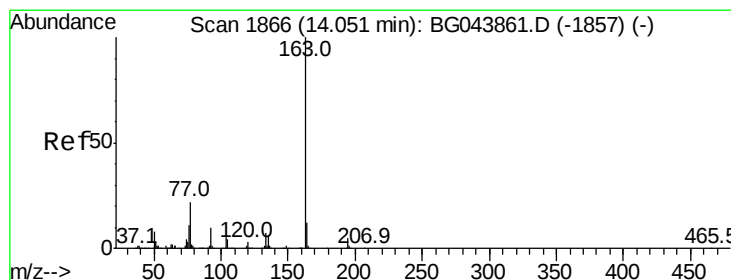
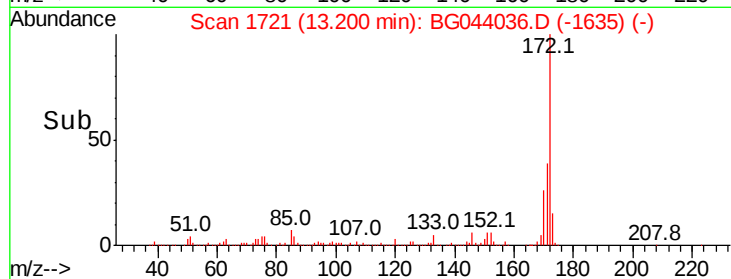
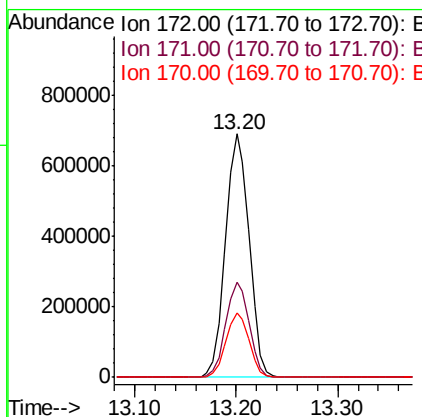
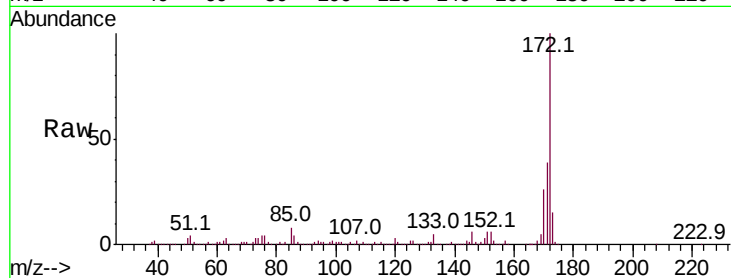




#45
2-Fluorobiphenyl
Concen: 66.731 ng
RT: 13.20 min Scan# 1721
Delta R.T. -0.02 min
Lab File: BG044036.D
Acq: 14 Jan 2020 14:49

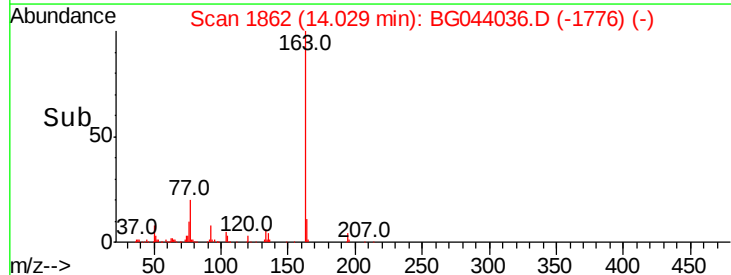
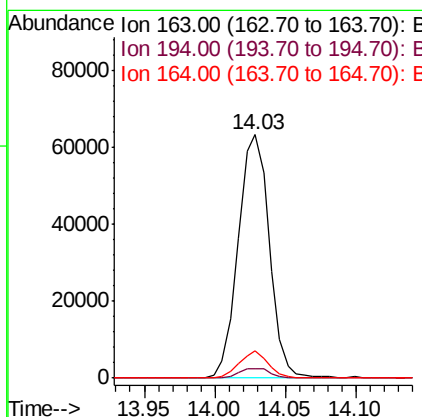
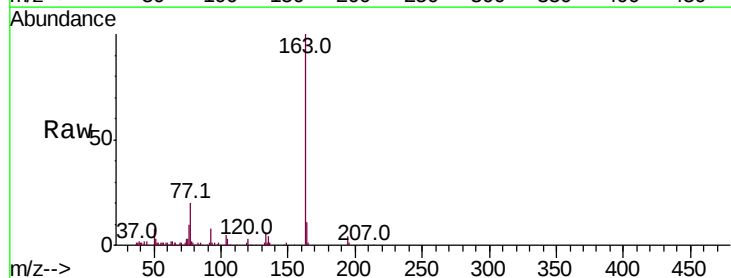
Instrument :
BNA_G
ClientSampleId :

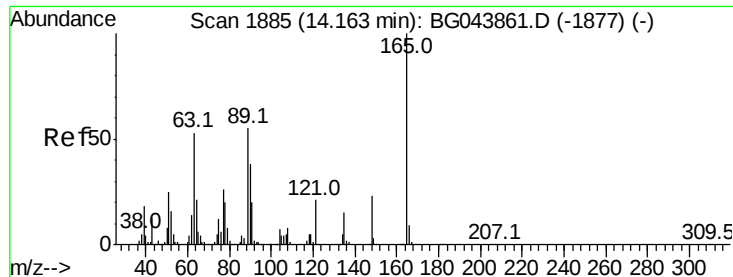
Tot Ion:172 Resp: 1116140
Ion Ratio Lower Upper
172 100
171 39.2 35.8 53.8
170 26.4 24.2 36.4



#50
Dimethylphthalate
Concen: 4.541 ng
RT: 14.03 min Scan# 1862
Delta R.T. -0.02 min
Lab File: BG044036.D
Acq: 14 Jan 2020 14:49

Tgt Ion:163 Resp: 97704
Ion Ratio Lower Upper
163 100
194 4.1 3.7 5.5
164 11.4 9.3 13.9

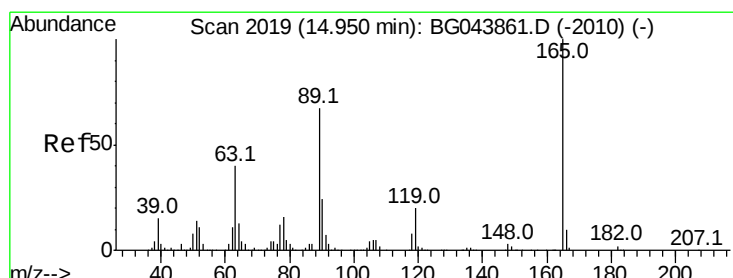
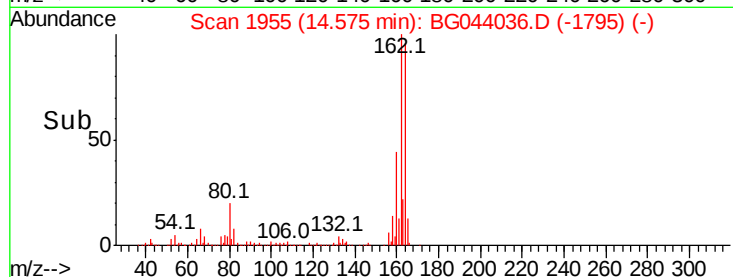
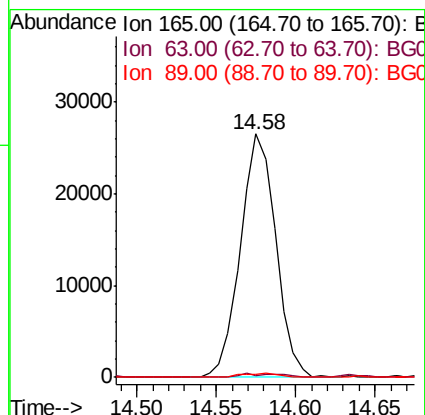
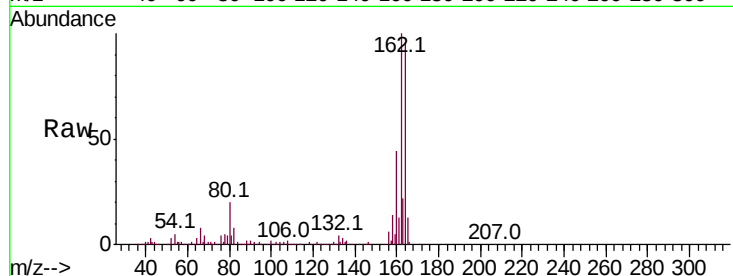




#51
2,6-Dinitrotoluene
Concen: 8.429 ng
RT: 14.58 min Scan# 1955
Delta R.T. 0.41 min
Lab File: BG044036.D
Acq: 14 Jan 2020 14:49

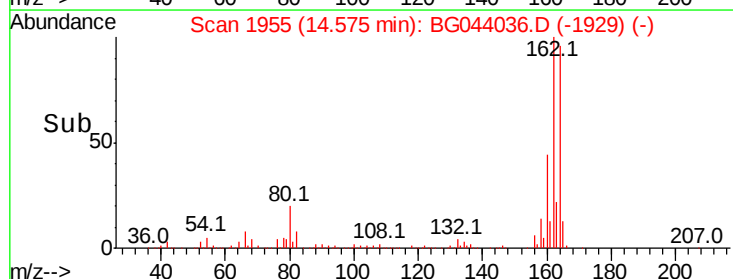
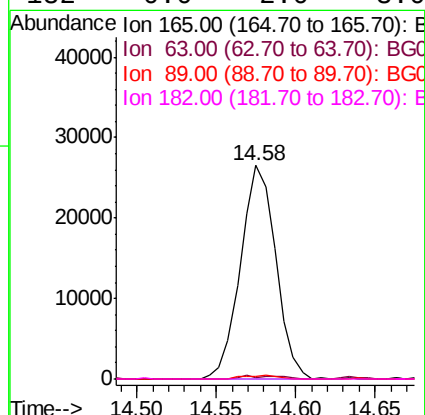
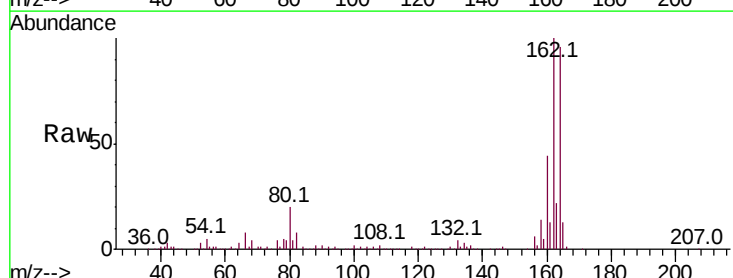
Instrument :
BNA_G
ClientSampleId :

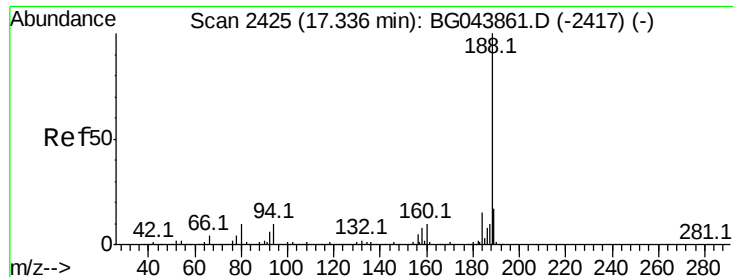
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.9	43.1	64.7#
89	1.2	43.8	65.6#



#57
2,4-Dinitrotoluene
Concen: 6.194 ng
RT: 14.58 min Scan# 1955
Delta R.T. -0.38 min
Lab File: BG044036.D
Acq: 14 Jan 2020 14:49

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	31.9	47.9#
89	1.2	53.8	80.6#
182	0.0	2.0	3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.32 min Scan# 2422

Delta R.T. -0.02 min

Lab File: BG044036.D

Acq: 14 Jan 2020 14:49

Instrument :

BNA_G

ClientSampled :

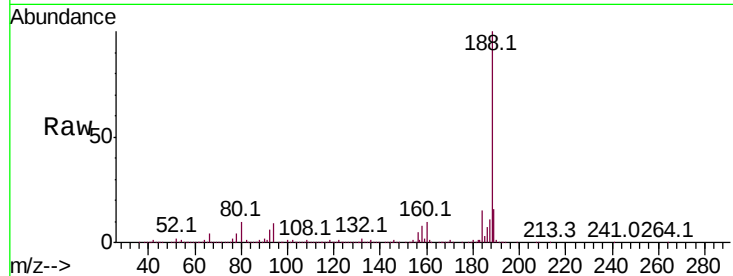
Tot Ion:188 Resp: 636132

Ion Ratio Lower Upper

188 100

94 9.3 7.9 11.9

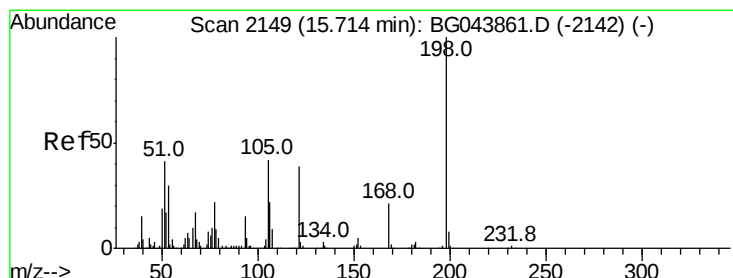
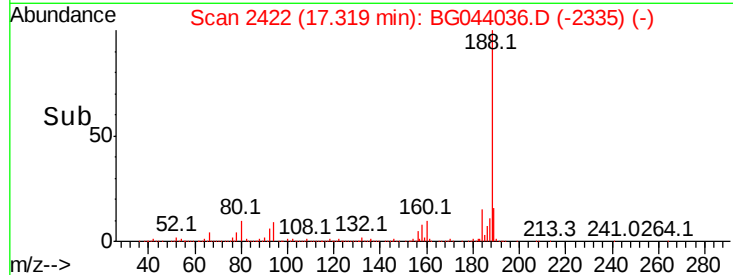
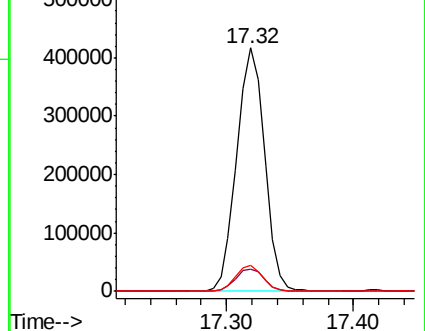
80 10.5 8.2 12.4



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: 4.704 ng

RT: 16.06 min Scan# 2208

Delta R.T. 0.35 min

Lab File: BG044036.D

Acq: 14 Jan 2020 14:49

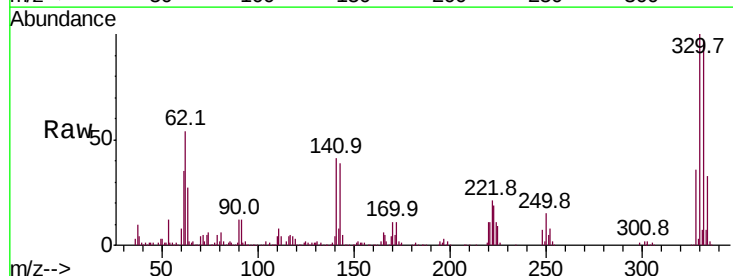
Tgt Ion:198 Resp: 1132

Ion Ratio Lower Upper

198 100

51 151.9 22.5 62.5#

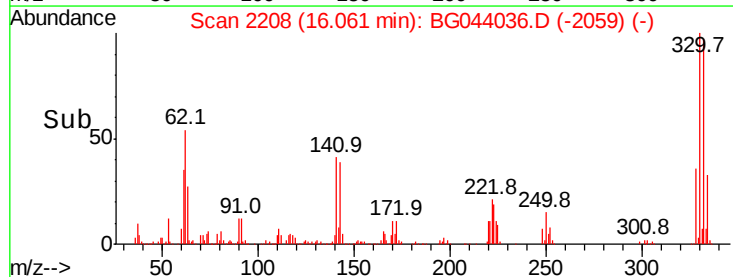
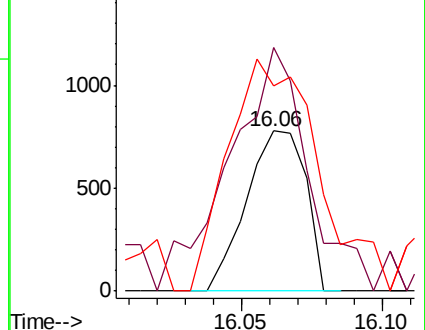
105 128.4 22.3 62.3#

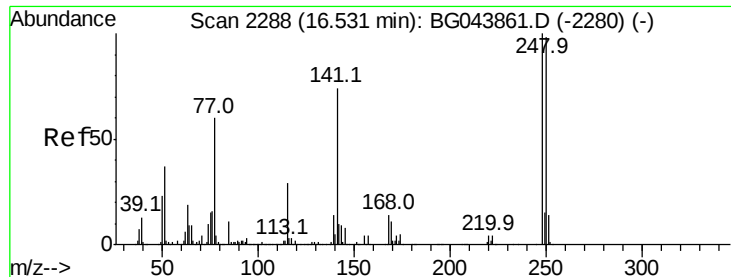


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

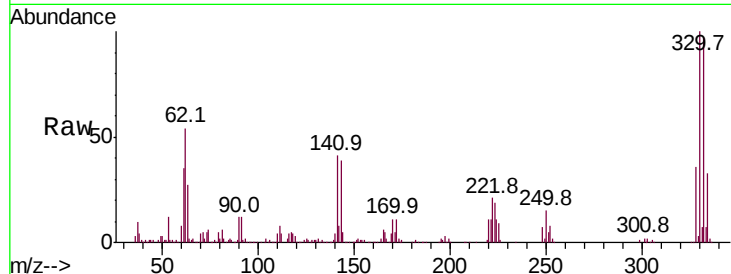




#67
 4-Bromophenyl-phenylether
 Concen: 3.404 ng
 RT: 16.06 min Scan# 2208
 Delta R.T. -0.47 min
 Lab File: BG044036.D
 Acq: 14 Jan 2020 14:49

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
248	100		
250	198.1	78.2	117.2#
141	543.8	59.3	88.9#

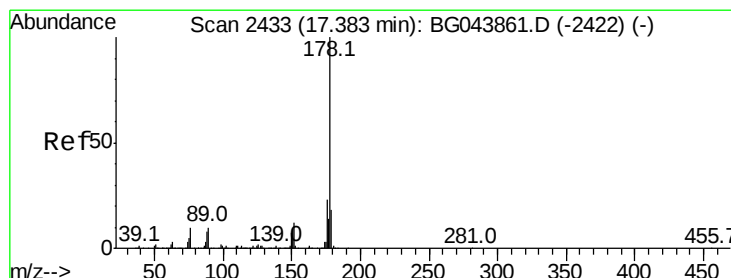
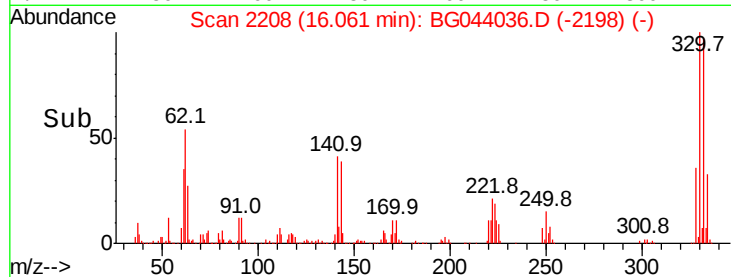
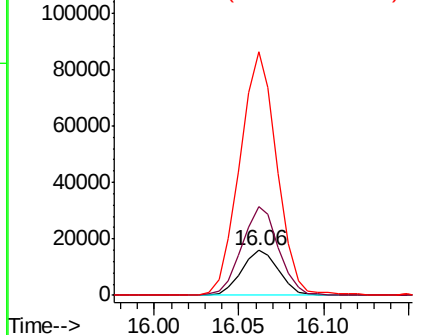


Abundance

Ion 248.00 (247.70 to 248.70): E

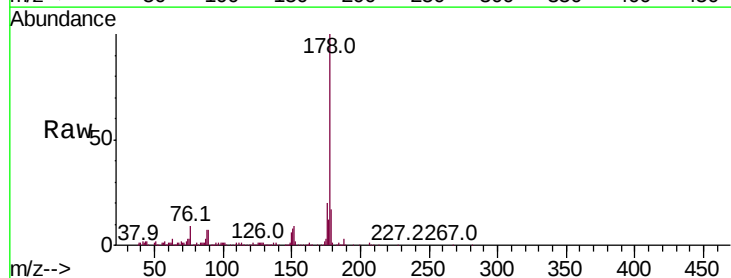
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#71
 Phenanthrene
 Concen: 3.947 ng
 RT: 17.36 min Scan# 2429
 Delta R.T. -0.02 min
 Lab File: BG044036.D
 Acq: 14 Jan 2020 14:49

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.8	18.6	28.0
179	16.7	14.4	21.6

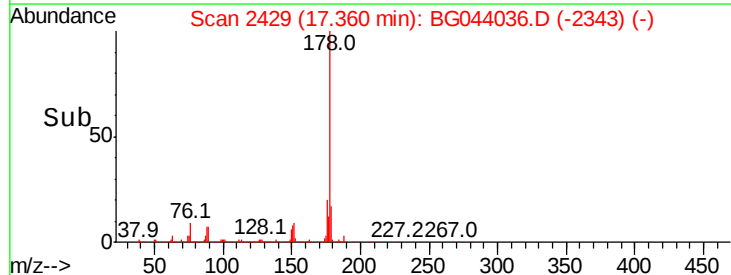
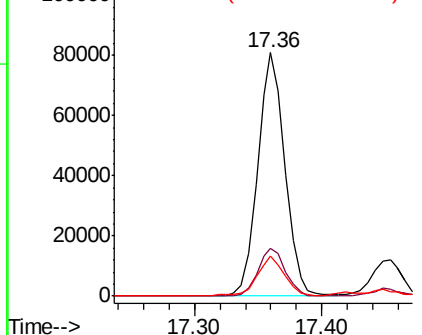


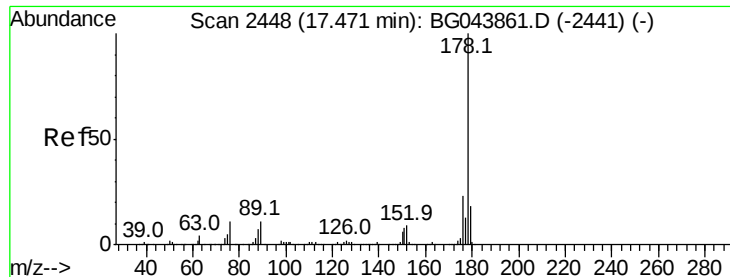
Abundance

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





#72

Anthracene

Concen: 3.994 ng

RT: 17.36 min Scan# 2429

Delta R.T. -0.11 min

Lab File: BG044036.D

Acq: 14 Jan 2020 14:49

Instrument :

BNA_G

ClientSampleId :

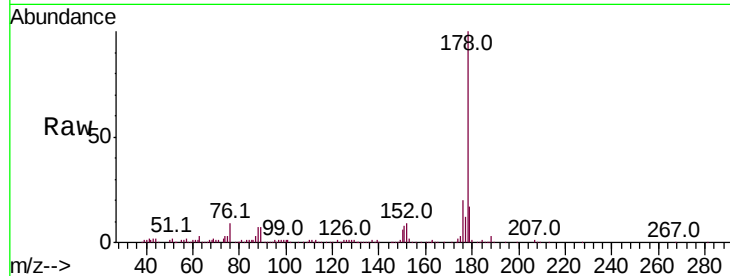
Tot Ion:178 Resp: 120432

Ion Ratio Lower Upper

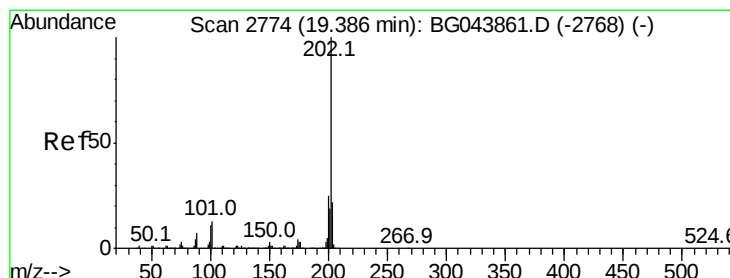
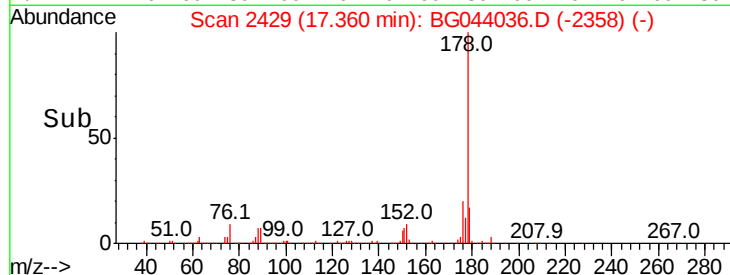
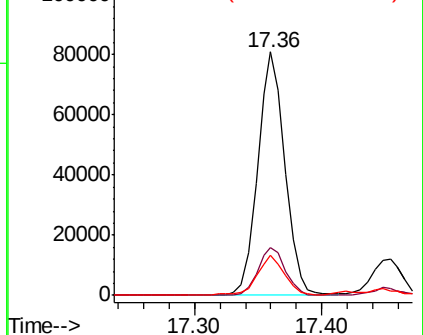
178 100

176 19.8 18.3 27.5

179 16.7 14.6 22.0



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



#75

Fluoranthene

Concen: 4.916 ng

RT: 19.37 min Scan# 2771

Delta R.T. -0.02 min

Lab File: BG044036.D

Acq: 14 Jan 2020 14:49

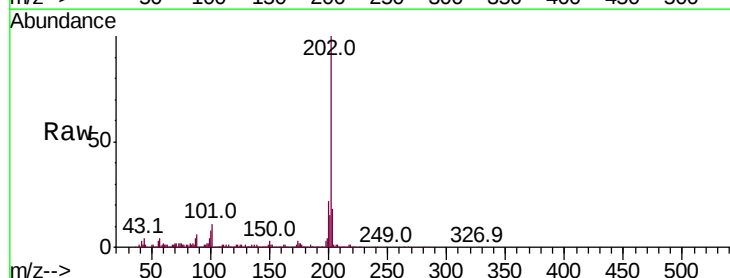
Tgt Ion:202 Resp: 171536

Ion Ratio Lower Upper

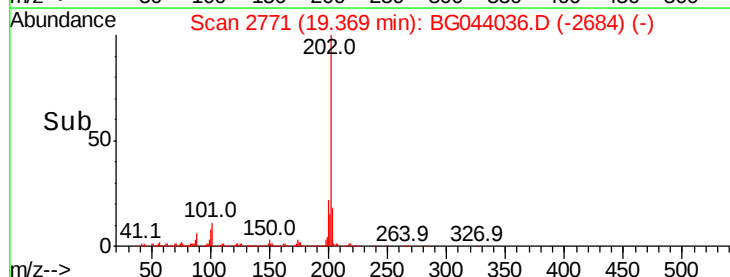
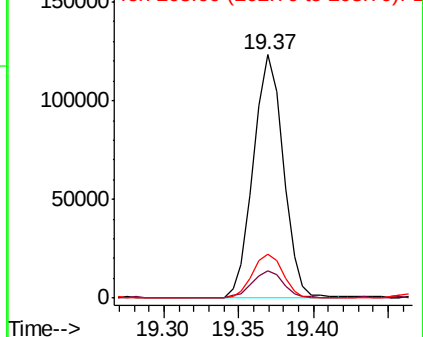
202 100

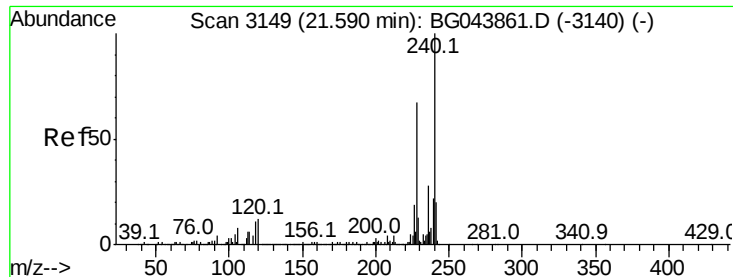
101 11.4 0.0 33.3

203 17.9 1.6 41.6



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.57 min Scan# 3146

Delta R.T. -0.02 min

Lab File: BG044036.D

Acq: 14 Jan 2020 14:49

Instrument :

BNA_G

ClientSampleId :

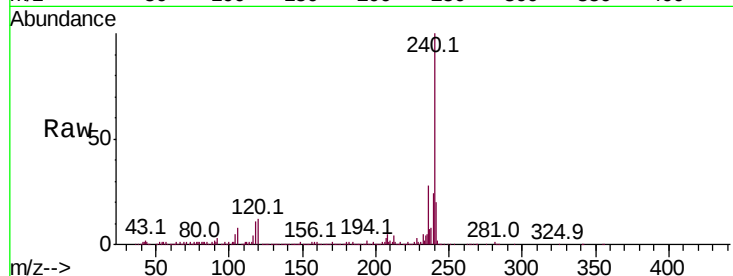
Tot Ion:240 Resp: 573338

Ion Ratio Lower Upper

240 100

120 11.6 9.6 14.4

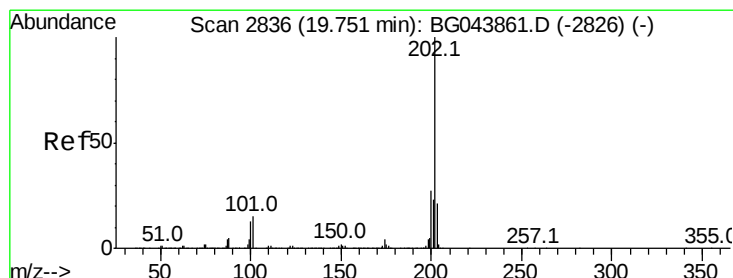
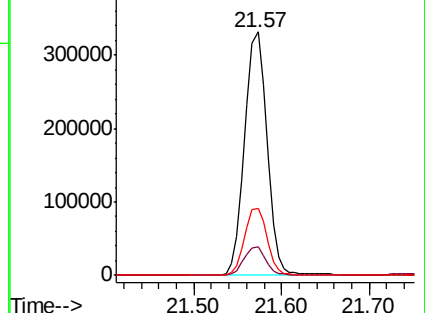
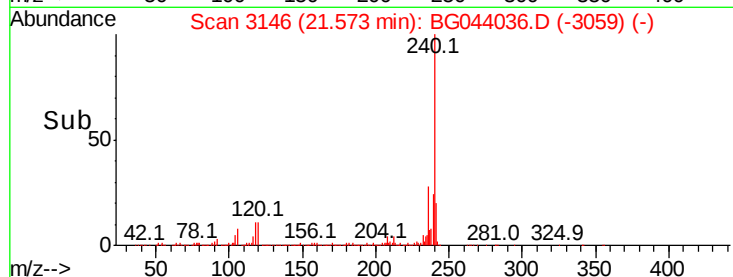
236 27.6 22.2 33.2



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: 4.584 ng

RT: 19.37 min Scan# 2771

Delta R.T. -0.38 min

Lab File: BG044036.D

Acq: 14 Jan 2020 14:49

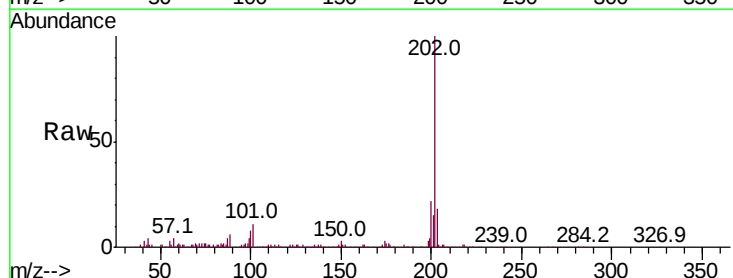
Tgt Ion:202 Resp: 171536

Ion Ratio Lower Upper

202 100

200 21.8 21.7 32.5

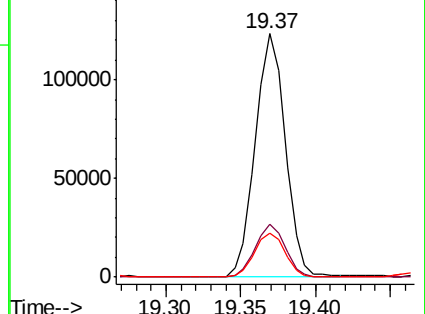
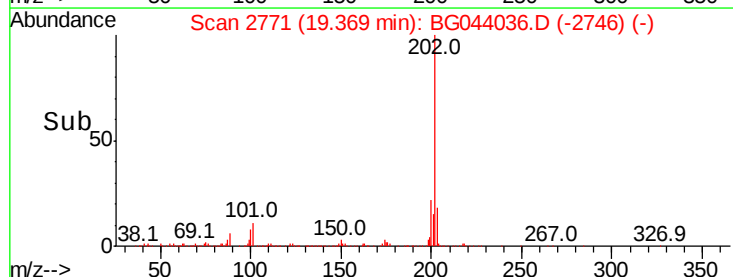
203 17.9 17.0 25.6

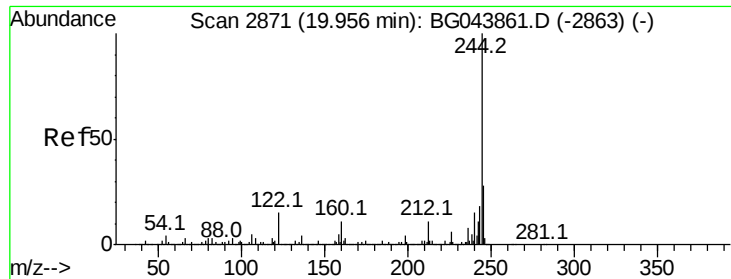


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

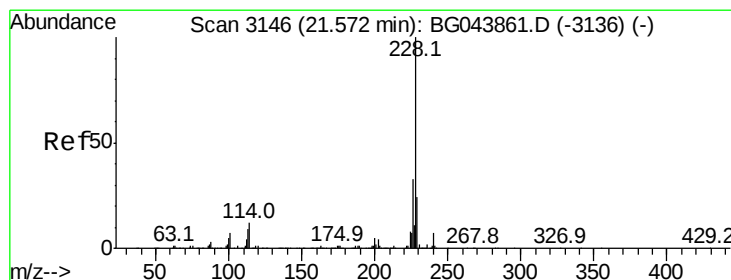
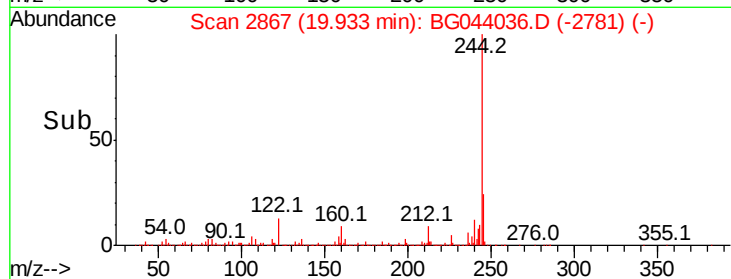
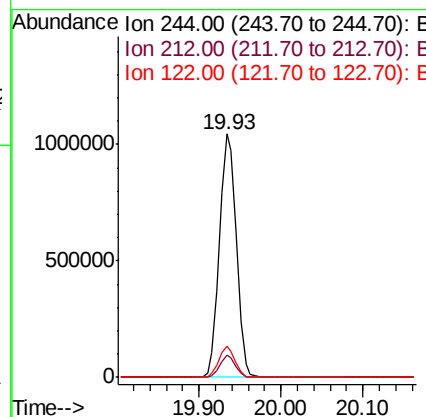
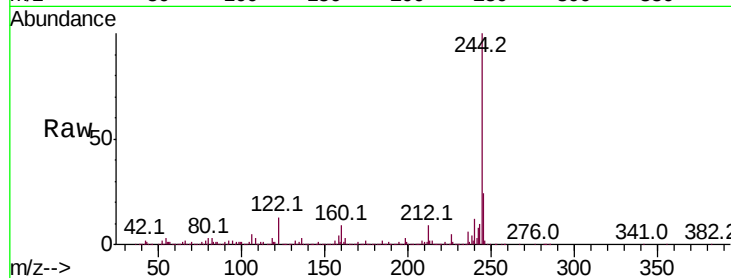




#79
 Terphenyl-d14
 Concen: 57.650 ng
 RT: 19.93 min Scan# 2867
 Delta R.T. -0.02 min
 Lab File: BG044036.D
 Acq: 14 Jan 2020 14:49

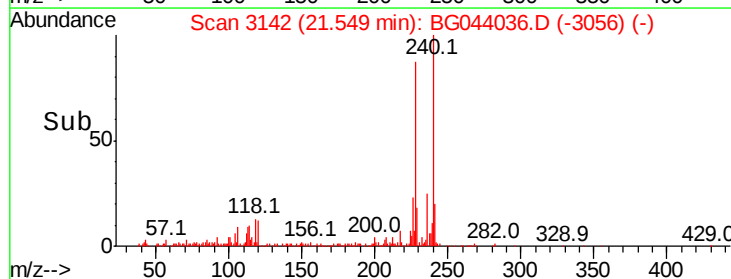
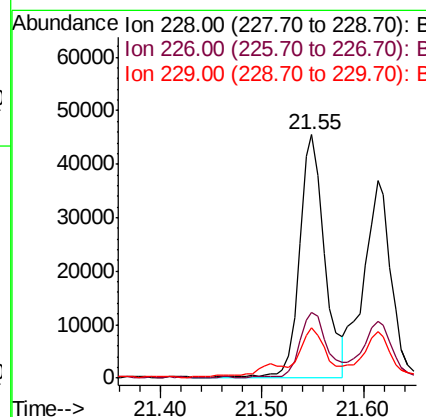
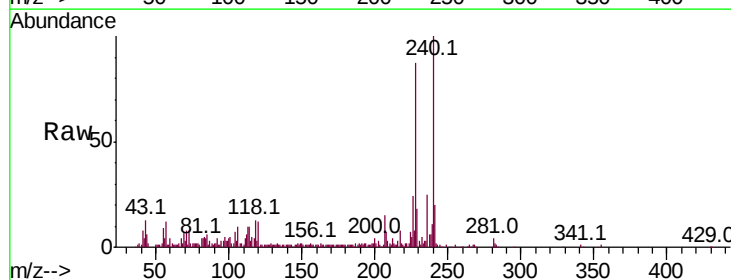
Instrument :
 BNA_G
 ClientSampleId :

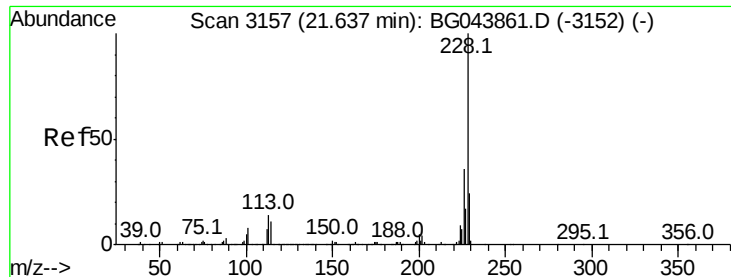
Tot Ion:244 Resp: 1508410
 Ion Ratio Lower Upper
 244 100
 212 9.0 8.6 13.0
 122 13.0 11.9 17.9



#81
 Benzo(a)anthracene
 Concen: 2.230 ng
 RT: 21.55 min Scan# 3142
 Delta R.T. -0.02 min
 Lab File: BG044036.D
 Acq: 14 Jan 2020 14:49

Tgt Ion:228 Resp: 79269
 Ion Ratio Lower Upper
 228 100
 226 27.1 26.2 39.4
 229 20.5 18.9 28.3





#83

Chrysene

Concen: 2.019 ng

RT: 21.61 min Scan# 3153

Delta R.T. -0.02 min

Lab File: BG044036.D

Acq: 14 Jan 2020 14:49

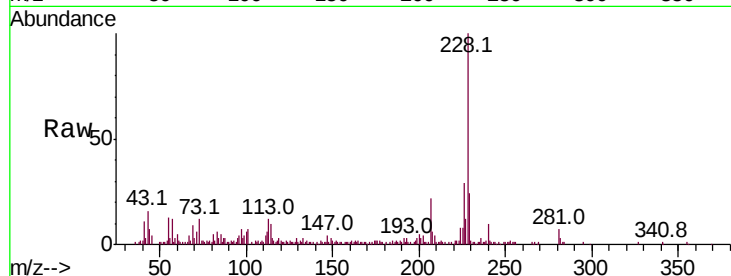
Instrument :

BNA_G

ClientSampleId :

Tot Ion:228 Resp: 68193

Ion	Ratio	Lower	Upper
228	100		
226	28.5	28.8	43.2#
229	23.7	19.0	28.6

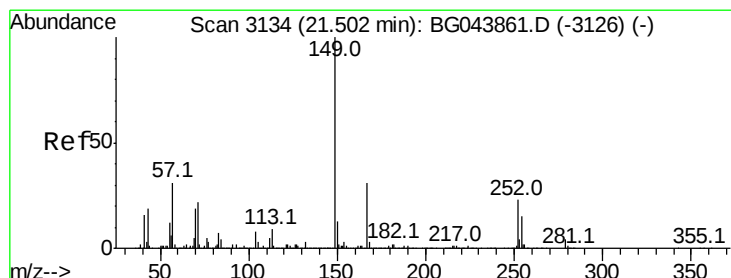
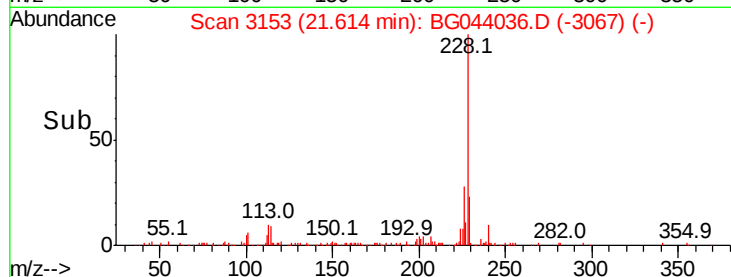
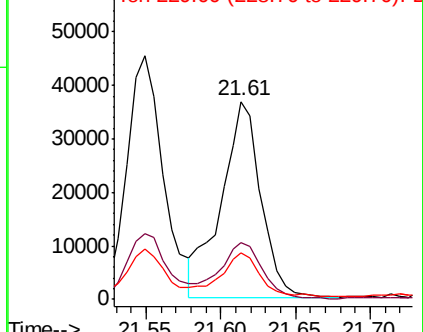


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.755 ng

RT: 21.47 min Scan# 3129

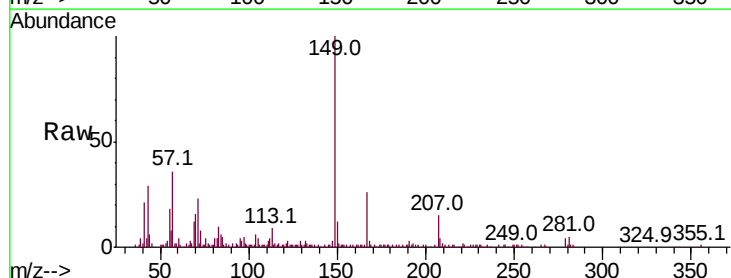
Delta R.T. -0.03 min

Lab File: BG044036.D

Acq: 14 Jan 2020 14:49

Tgt Ion:149 Resp: 67722

Ion	Ratio	Lower	Upper
149	100		
167	26.4	24.7	37.1
279	4.0	3.3	4.9

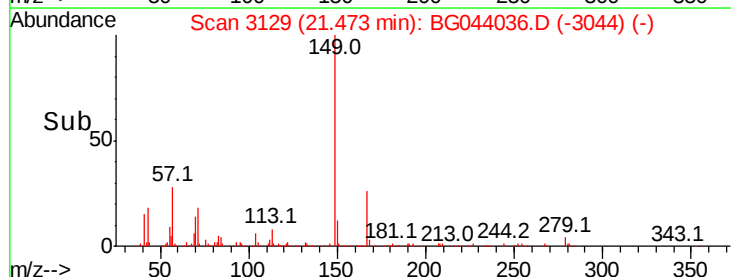
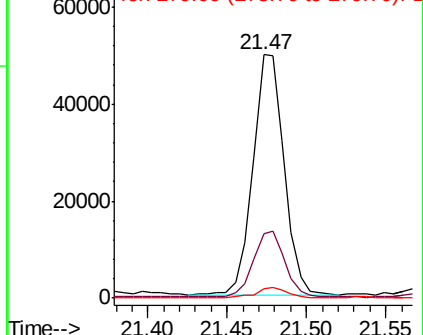


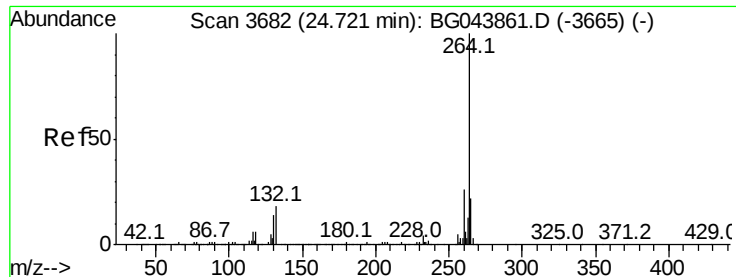
Abundance

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





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.70 min Scan# 3678

Delta R.T. -0.02 min

Lab File: BG044036.D

Acq: 14 Jan 2020 14:49

Instrument :

BNA_G

ClientSampleId :

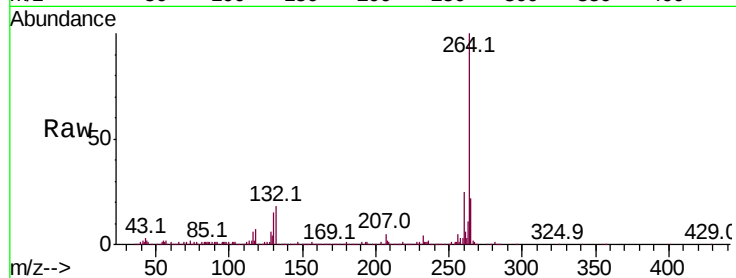
Tot Ion:264 Resp: 663001

Ion	Ratio	Lower	Upper
264	100		
260	25.1	20.4	30.6
265	21.6	17.4	26.2

264 100

260 25.1 20.4 30.6

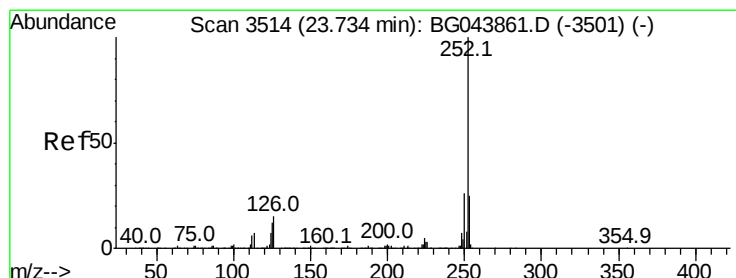
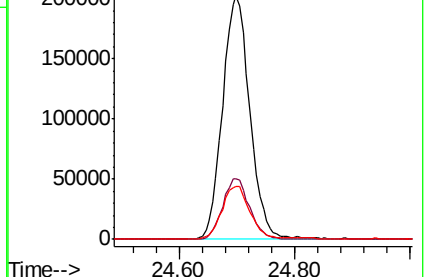
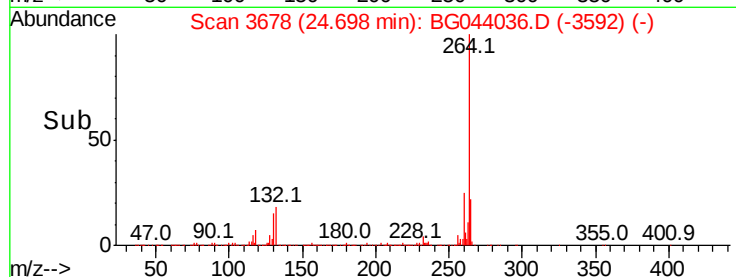
265 21.6 17.4 26.2



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: 2.307 ng

RT: 23.70 min Scan# 3508

Delta R.T. -0.03 min

Lab File: BG044036.D

Acq: 14 Jan 2020 14:49

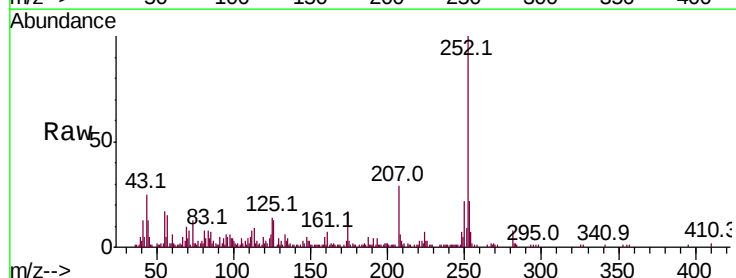
Tgt Ion:252 Resp: 90404

Ion	Ratio	Lower	Upper
252	100		
253	22.4	19.7	29.5
125	13.8	9.4	14.2

252 100

253 22.4 19.7 29.5

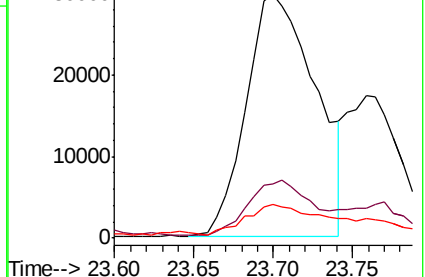
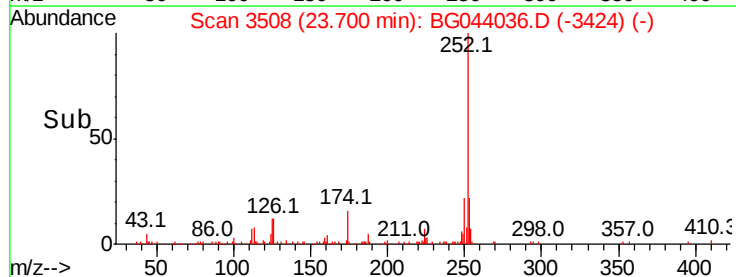
125 13.8 9.4 14.2

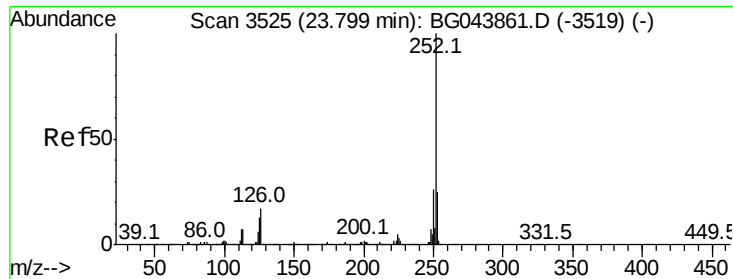


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 2.426 ng

RT: 23.70 min Scan# 3508

Delta R.T. -0.10 min

Lab File: BG044036.D

Acq: 14 Jan 2020 14:49

Instrument :

BNA_G

ClientSampleId :

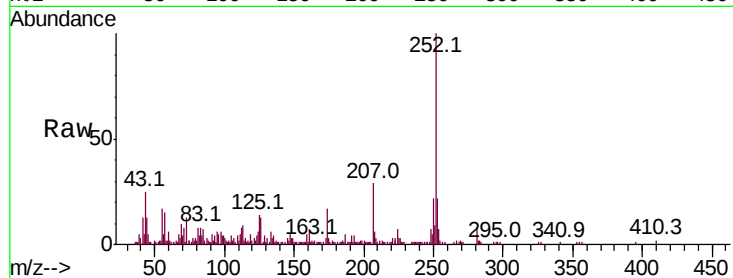
Tot Ion:252 Resp: 90404

Ion Ratio Lower Upper

252 100

253 22.4 19.4 29.2

125 13.8 9.9 14.9



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

