

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG012820\
 Data File : BG044231.D
 Acq On : 28 Jan 2020 15:28
 Operator : CG/JU
 Sample : L1242-10
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 28 16:11:01 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 28 15:57:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	90706	20.00	ng	0.00
21) Naphthalene-d8	10.74	136	412834	20.00	ng	0.00
39) Acenaphthene-d10	14.57	164	284856	20.00	ng	0.00
64) Phenanthrene-d10	17.32	188	543484	20.00	ng	0.00
76) Chrysene-d12	21.56	240	472866	20.00	ng	0.00
87) Perylene-d12	24.67	264	549851	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	14396	2.91	ng	0.00
7) Phenol-d6	7.10	99	179679	26.02	ng	0.00
23) Nitrobenzene-d5	9.09	82	674418	87.39	ng	0.00
42) 2,4,6-Tribromophenol	16.07	330	8979	3.01	ng	0.01
45) 2-Fluorobiphenyl	13.19	172	1338856	85.16	ng	0.00
79) Terphenyl-d14	19.93	244	1797145	94.24	ng	0.00

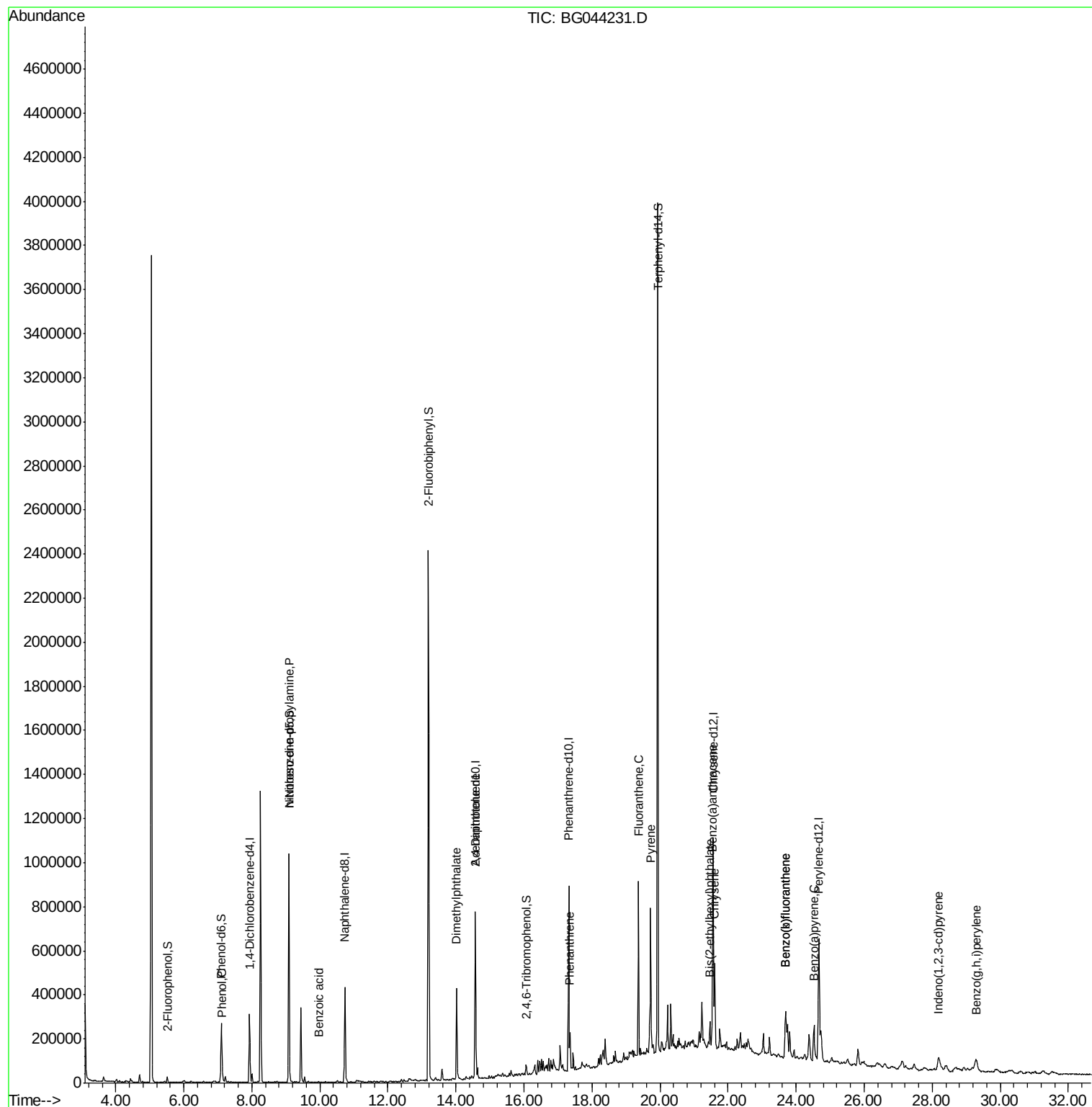
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.13	94	40006	5.623	ng	94
19) n-Nitroso-di-n-propylamine	9.09	70	89809	17.464	ng	# 77
32) Benzoic acid	9.96	122	136	6.289	ng	# 1
50) Dimethylphthalate	14.02	163	320020	15.822	ng	100
57) 2,4-Dinitrotoluene	14.57	165	38993	6.269	ng	# 28
71) Phenanthrene	17.36	178	114046	4.375	ng	95
75) Fluoranthene	19.37	202	481256	16.143	ng	96
78) Pyrene	19.72	202	429575	13.917	ng	96
81) Benzo(a)anthracene	21.54	228	251536	8.579	ng	96
83) Chrysene	21.60	228	259869	9.327	ng	95
84) Bis(2-ethylhexyl)phthalate	21.46	149	48617	2.398	ng	95
86) Indeno(1,2,3-cd)pyrene	28.18	276	96612	2.552	ng	# 92
88) Benzo(b)fluoranthene	23.69	252	246878	7.595	ng	96
89) Benzo(k)fluoranthene	23.69	252	246878	7.987	ng	95
90) Benzo(a)pyrene	24.52	252	171576	5.592	ng	# 96
92) Benzo(g,h,i)perylene	29.28	276	87309	2.853	ng	# 93

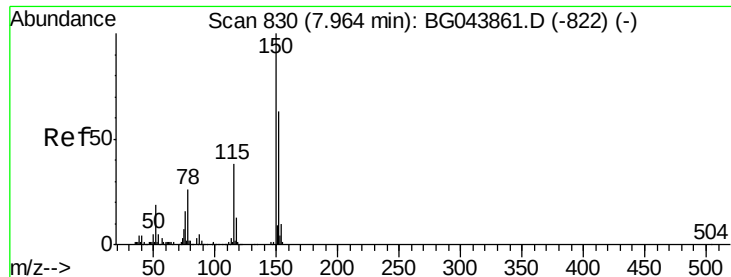
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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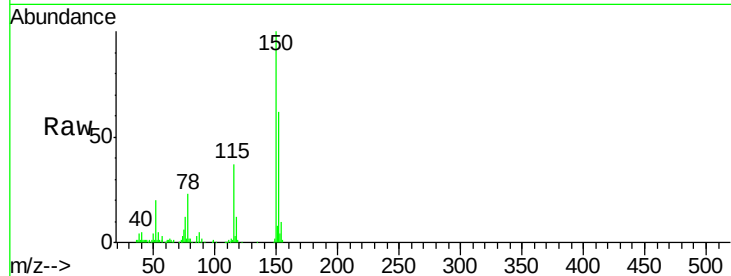


#1

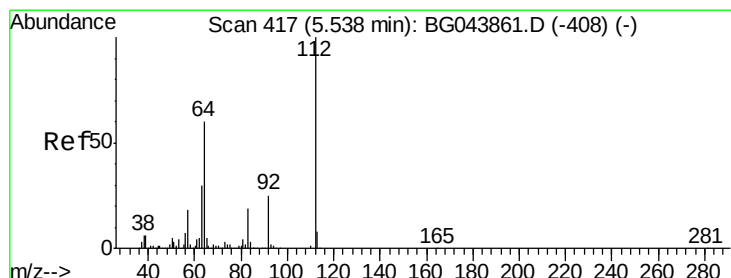
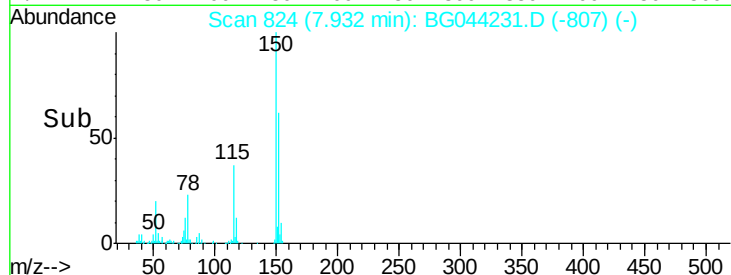
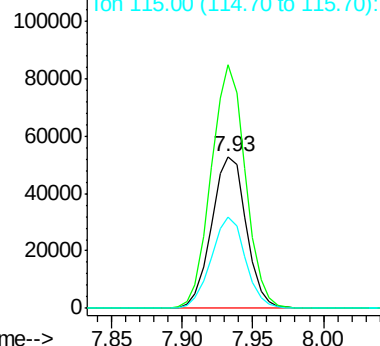
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. 0.00 min
Lab File: BG044231.D
Acq: 28 Jan 2020 15:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 90706
Ion Ratio Lower Upper
152 100
150 160.7 127.9 191.9
115 60.1 47.8 71.8



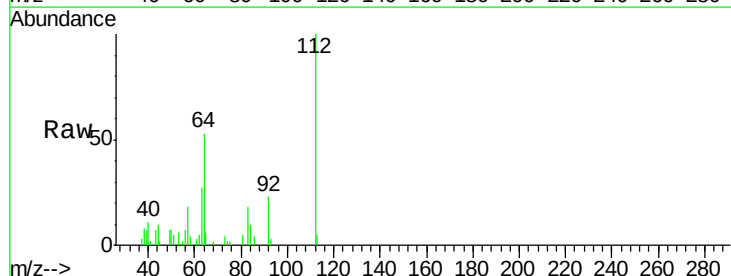
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



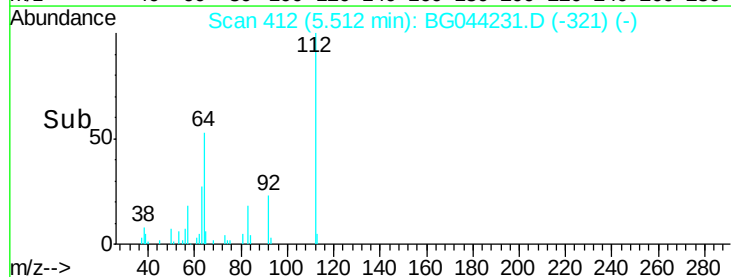
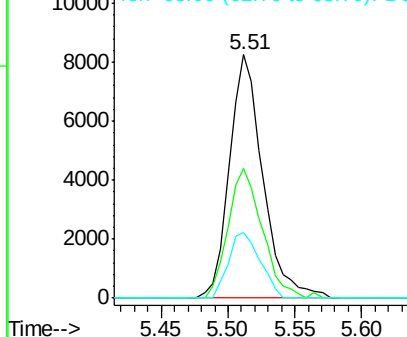
#5

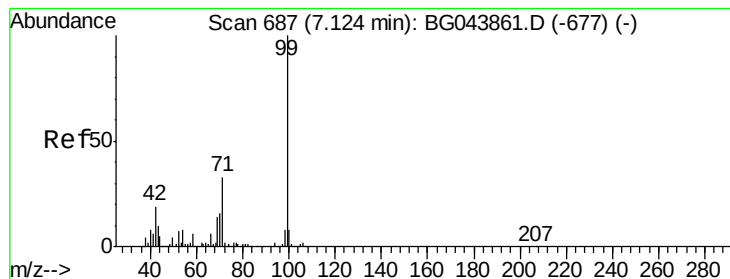
2-Fluorophenol
Concen: 2.914 ng
RT: 5.51 min Scan# 412
Delta R.T. 0.01 min
Lab File: BG044231.D
Acq: 28 Jan 2020 15:28

Tgt Ion:112 Resp: 14396
Ion Ratio Lower Upper
112 100
64 53.1 45.5 68.3
63 27.0 23.6 35.4



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: 26.020 ng

RT: 7.10 min Scan# 683

Delta R.T. 0.00 min

Lab File: BG044231.D

Acq: 28 Jan 2020 15:28

Instrument :

BNA_G

ClientSampleId :

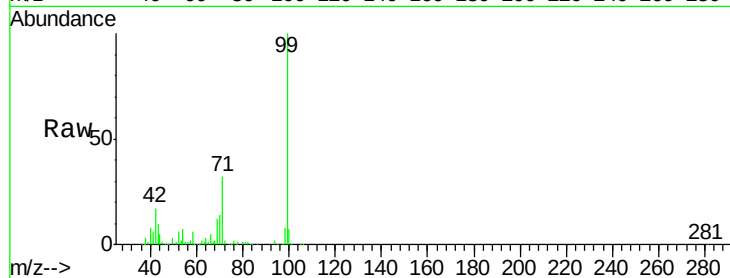
Tot Ion: 99 Resp: 179679

Ion Ratio Lower Upper

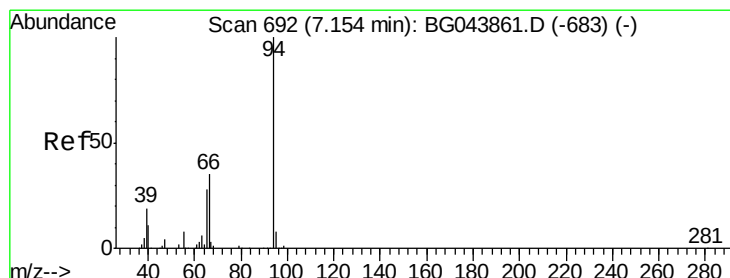
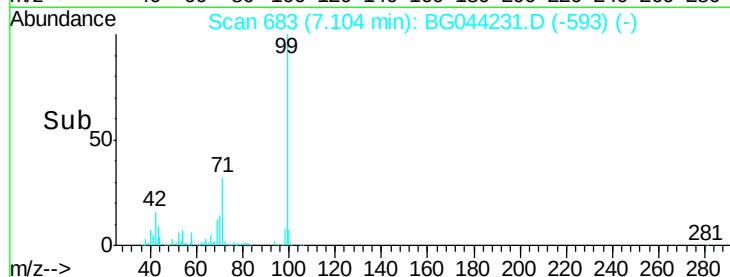
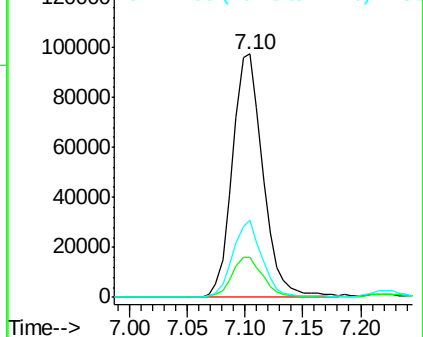
99 100

42 16.6 13.6 20.4

71 31.6 25.0 37.6



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: 5.623 ng

RT: 7.13 min Scan# 688

Delta R.T. 0.01 min

Lab File: BG044231.D

Acq: 28 Jan 2020 15:28

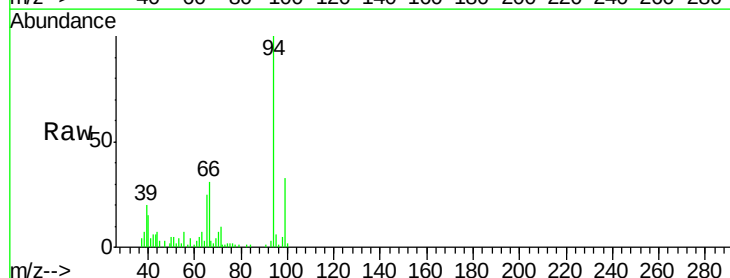
Tgt Ion: 94 Resp: 40006

Ion Ratio Lower Upper

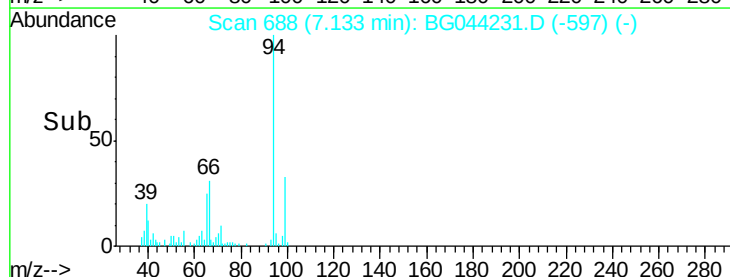
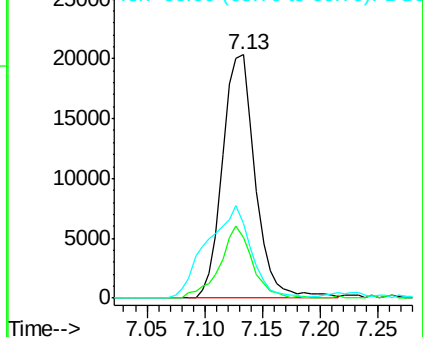
94 100

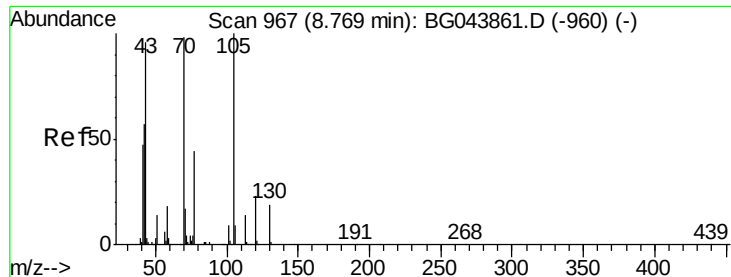
65 24.7 7.5 47.5

66 30.7 14.0 54.0



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

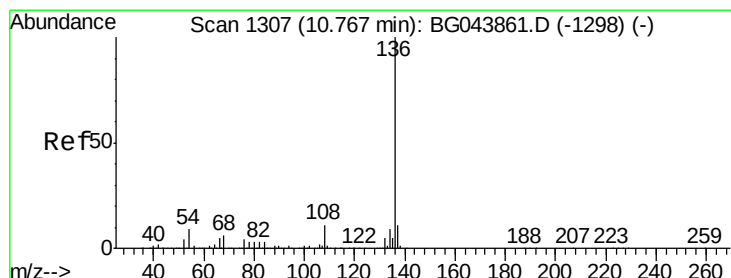
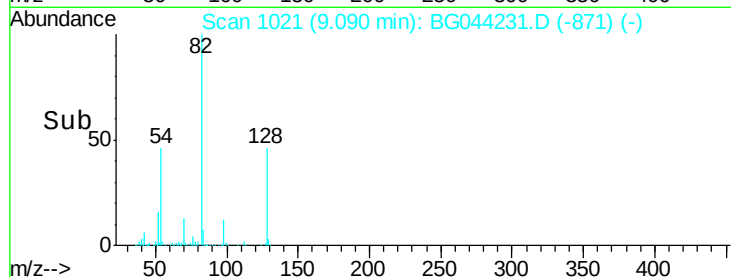
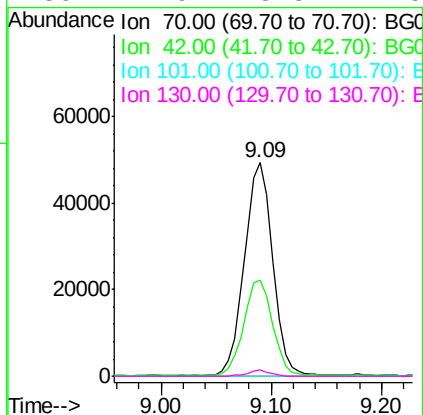
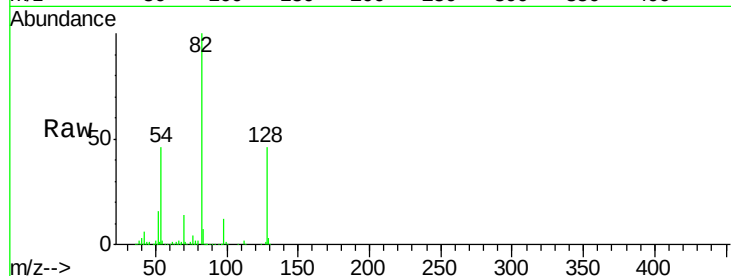




#19
n-Nitroso-di-n-propylamine
Concen: 17.464 ng
RT: 9.09 min Scan# 1021
Delta R.T. 0.35 min
Lab File: BG044231.D
Acq: 28 Jan 2020 15:28

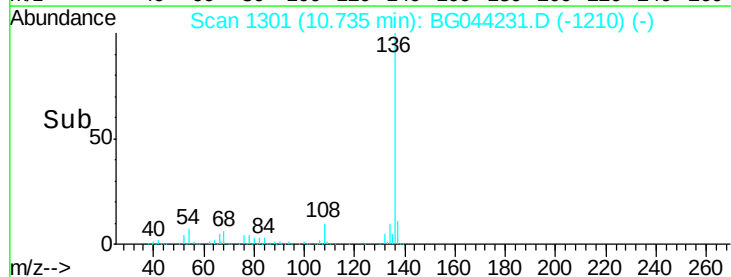
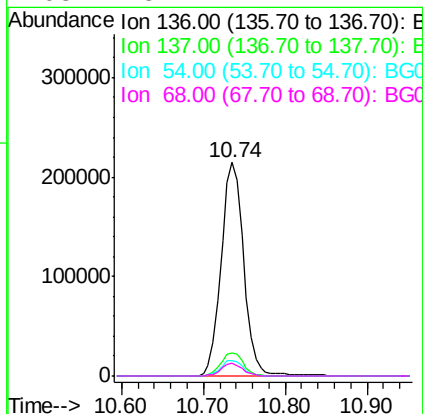
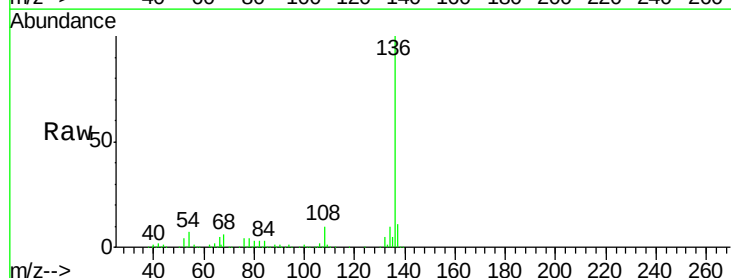
Instrument :
BNA_G
ClientSampleId :

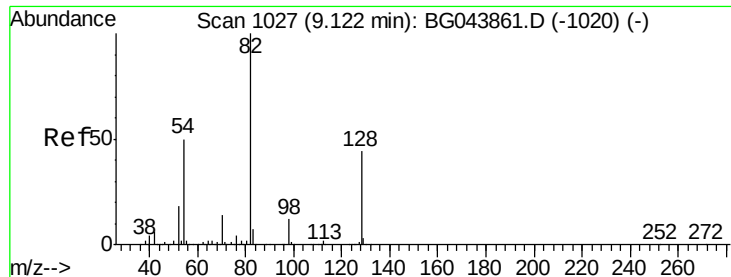
Tot Ion:	70	Resp:	89809
Ion	Ratio	Lower	Upper
70	100		
42	44.8	44.9	67.3#
101	0.0	7.9	11.9#
130	2.9	18.3	27.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.74 min Scan# 1301
Delta R.T. 0.01 min
Lab File: BG044231.D
Acq: 28 Jan 2020 15:28

Tgt Ion:	136	Resp:	412834
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	7.0	6.2	9.4
68	5.7	4.7	7.1

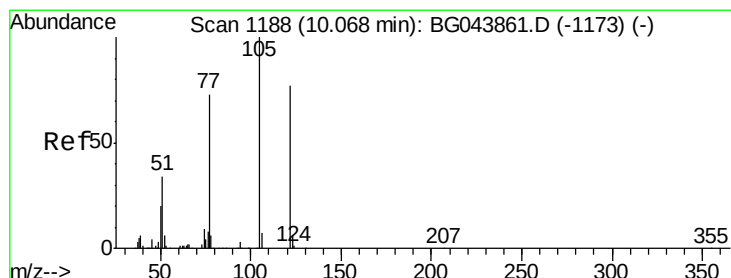
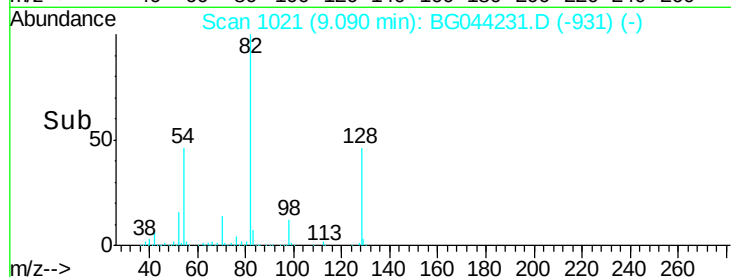
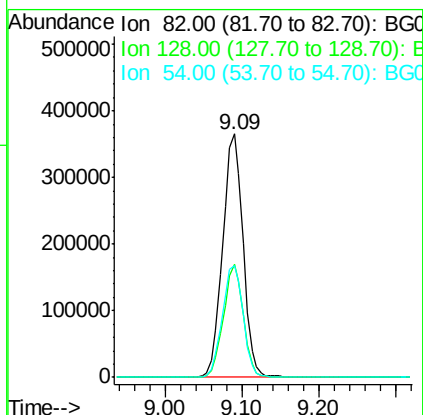
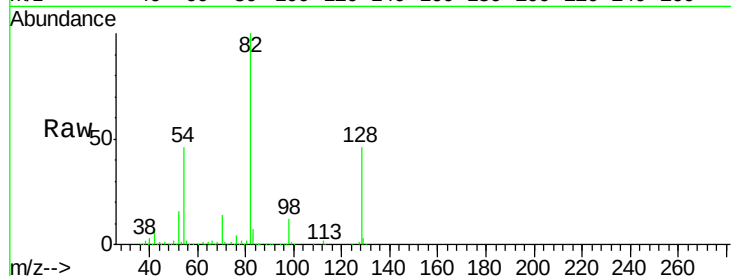




#23
 Nitrobenzene-d5
 Concen: 87.392 ng
 RT: 9.09 min Scan# 1021
 Delta R.T. 0.00 min
 Lab File: BG044231.D
 Acq: 28 Jan 2020 15:28

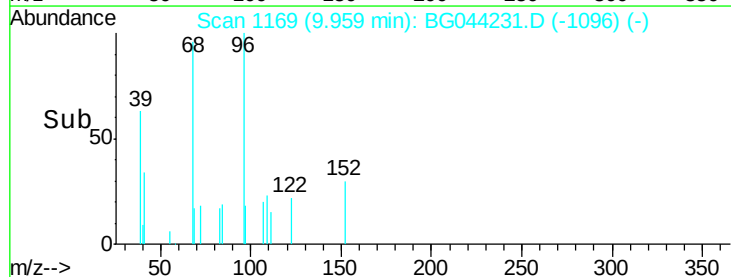
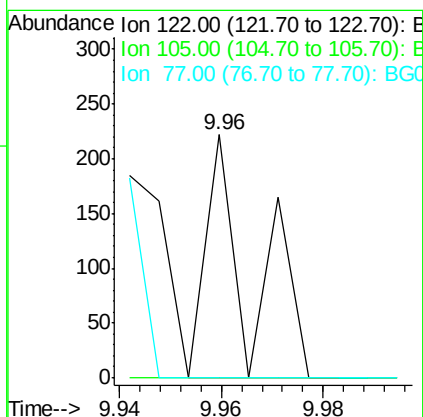
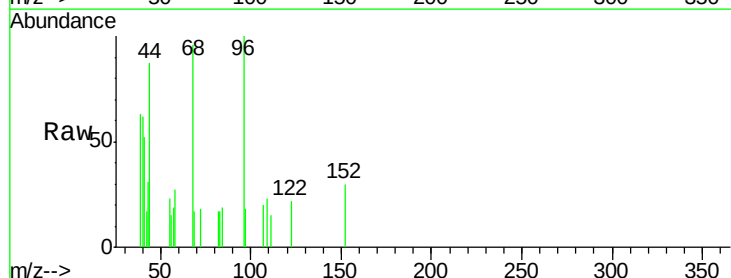
Instrument :
 BNA_G
 ClientSampled :

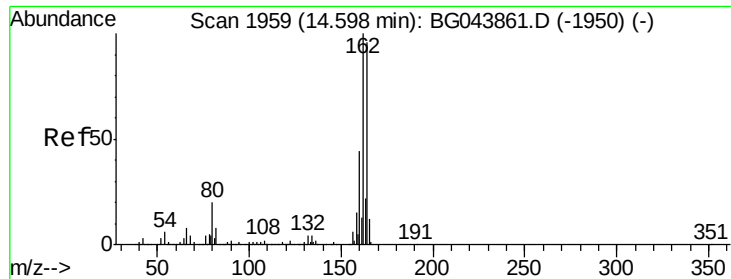
Tot Ion	82	Resp	674418
Ion Ratio	Lower	Upper	
82	100		
128	46.4	37.5	56.3
54	46.0	38.4	57.6



#32
 Benzoic acid
 Concen: 6.289 ng
 RT: 9.96 min Scan# 1169
 Delta R.T. -0.10 min
 Lab File: BG044231.D
 Acq: 28 Jan 2020 15:28

Tgt Ion	122	Resp	136
Ion Ratio	Lower	Upper	
122	100		
105	0.0	104.6	144.6#
77	0.0	66.4	106.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.57 min Scan# 1954

Delta R.T. 0.01 min

Lab File: BG044231.D

Acq: 28 Jan 2020 15:28

Instrument :

BNA_G

ClientSampleId :

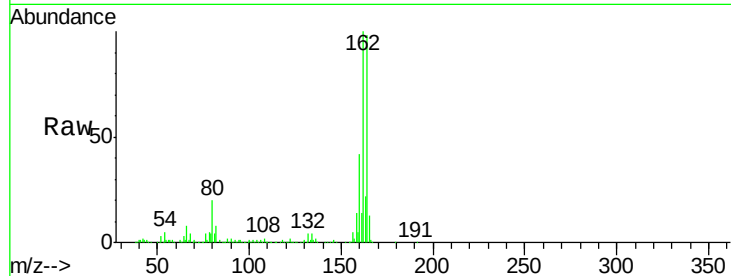
Tot Ion:164 Resp: 284856

Ion Ratio Lower Upper

164 100

162 102.5 80.1 120.1

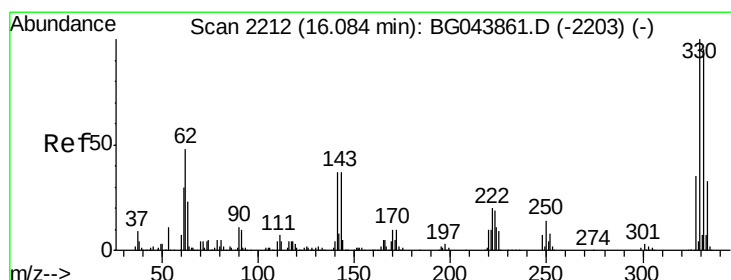
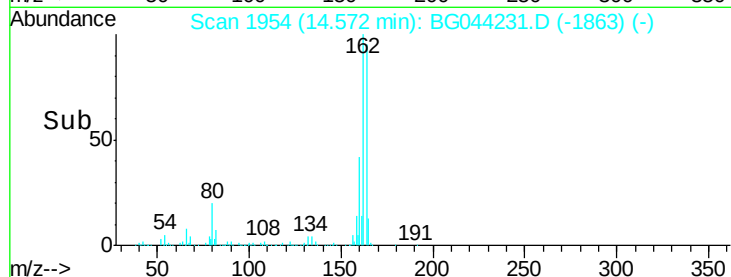
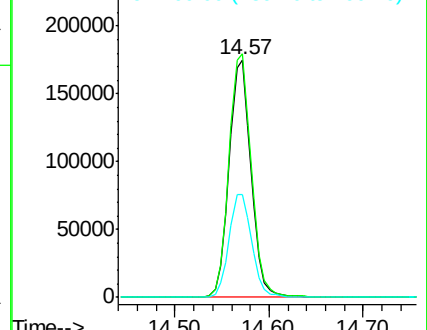
160 43.5 35.5 53.3



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: 3.012 ng

RT: 16.07 min Scan# 2209

Delta R.T. 0.01 min

Lab File: BG044231.D

Acq: 28 Jan 2020 15:28

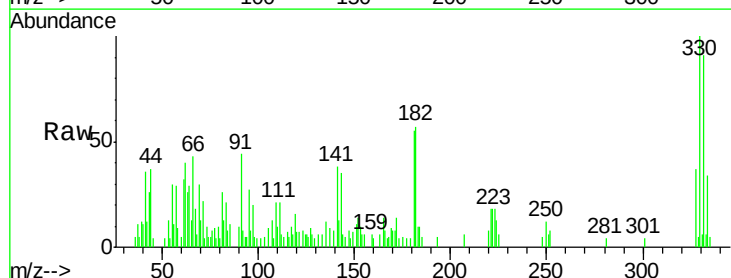
Tgt Ion:330 Resp: 8979

Ion Ratio Lower Upper

330 100

332 89.9 77.0 115.4

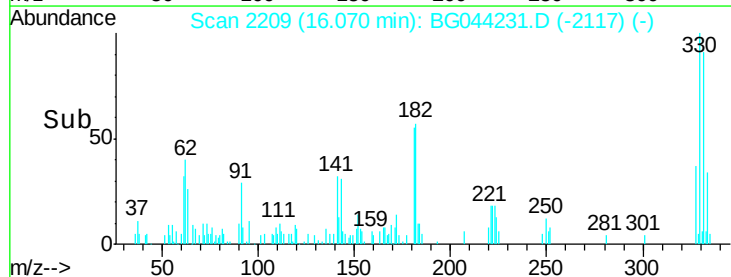
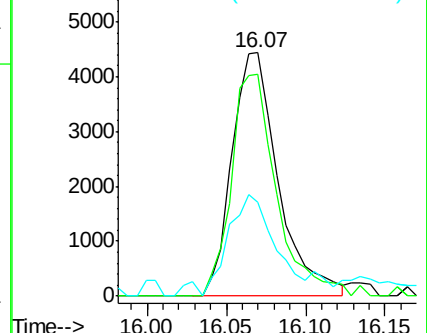
141 43.4 28.8 43.2#

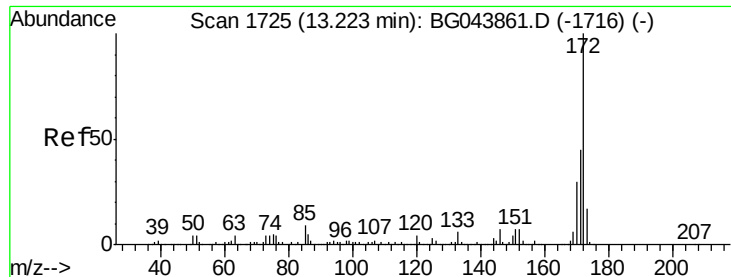


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



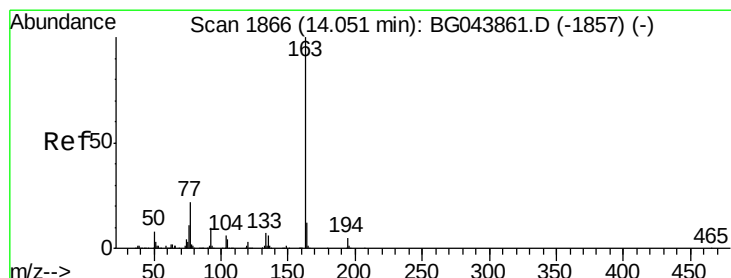
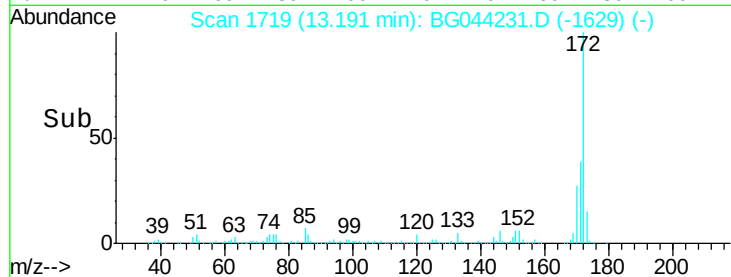
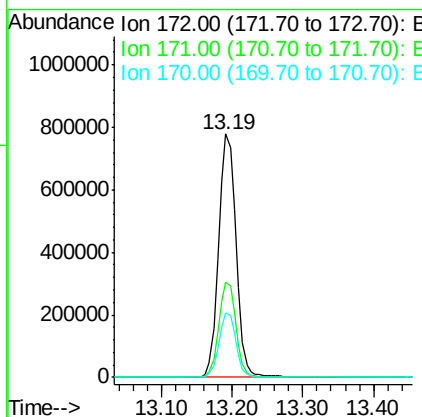
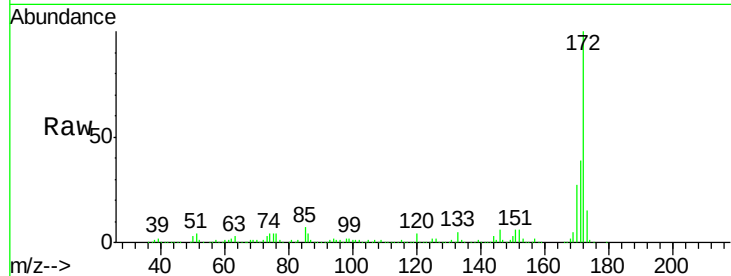


#45
 2-Fluorobiphenyl
 Concen: 85.155 ng
 RT: 13.19 min Scan# 1719
 Delta R.T. 0.00 min
 Lab File: BG044231.D
 Acq: 28 Jan 2020 15:28

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 1338856

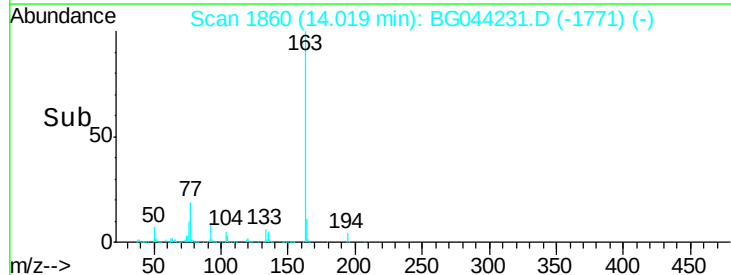
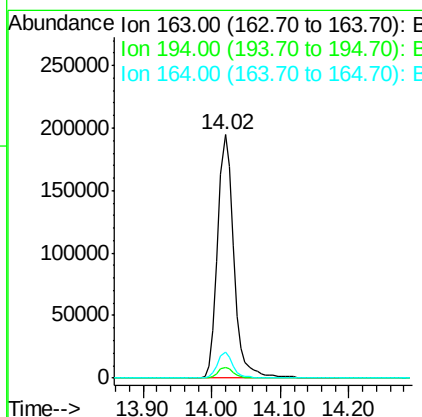
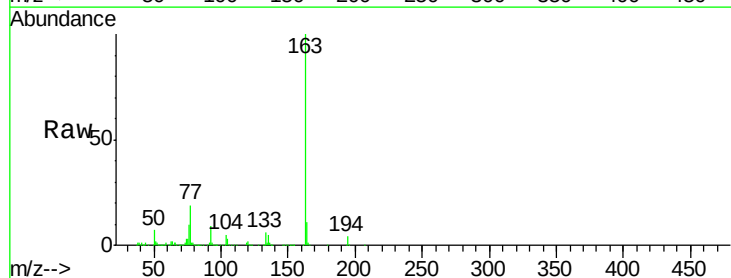
Ion	Ratio	Lower	Upper
172	100		
171	39.3	32.6	48.8
170	26.6	22.3	33.5

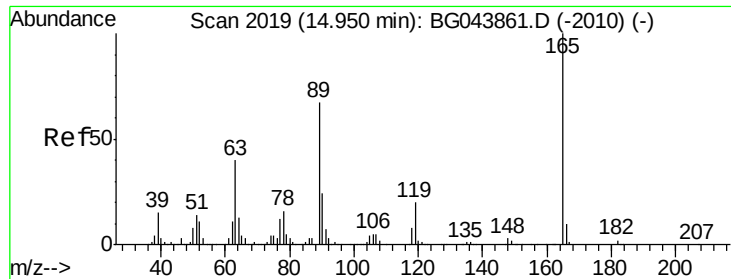


#50
 Dimethylphthalate
 Concen: 15.822 ng
 RT: 14.02 min Scan# 1860
 Delta R.T. -0.01 min
 Lab File: BG044231.D
 Acq: 28 Jan 2020 15:28

Tgt Ion:163 Resp: 320020

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	10.6	8.6	12.8

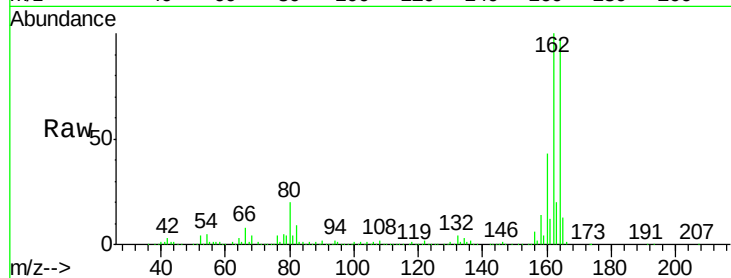




#57
 2,4-Dinitrotoluene
 Concen: 6.269 ng
 RT: 14.57 min Scan# 1953
 Delta R.T. -0.36 min
 Lab File: BG044231.D
 Acq: 28 Jan 2020 15:28

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	31.0	46.6#
89	1.5	52.8	79.2#
182	0.0	2.1	3.1#

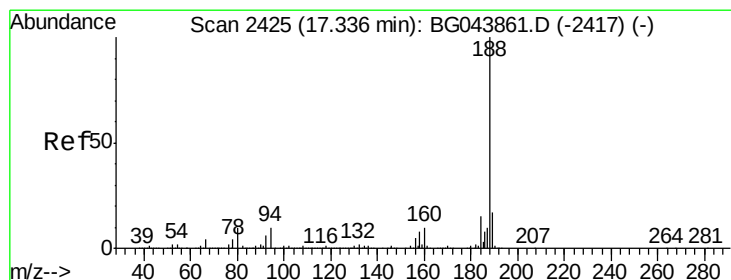
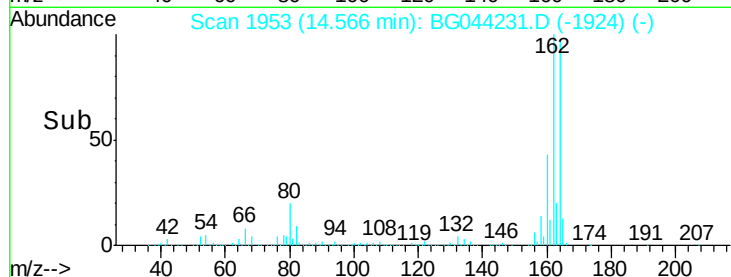
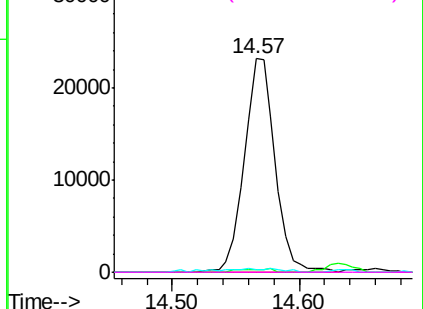


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

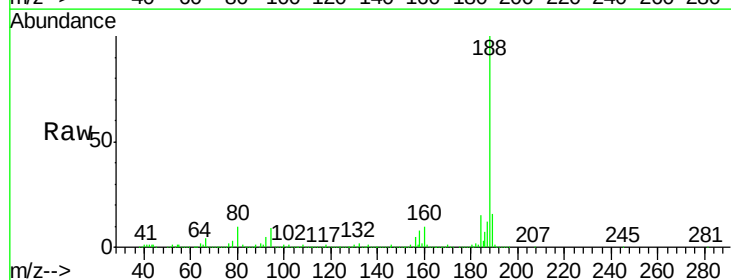
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.32 min Scan# 2421
 Delta R.T. 0.01 min
 Lab File: BG044231.D
 Acq: 28 Jan 2020 15:28

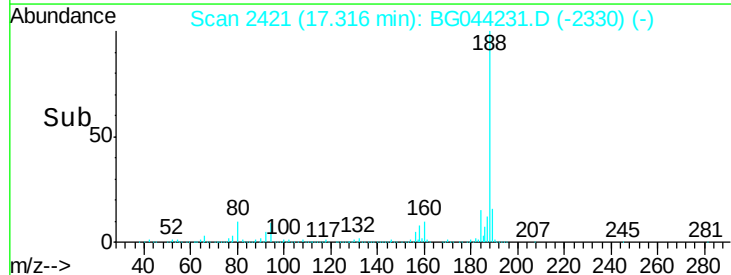
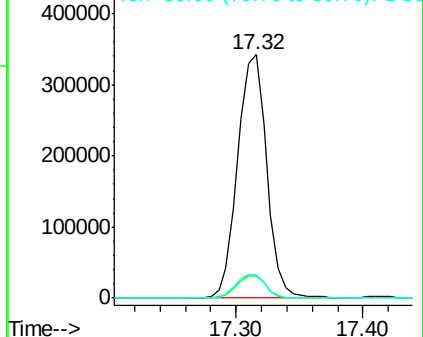
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.4	11.2
80	9.6	8.1	12.1

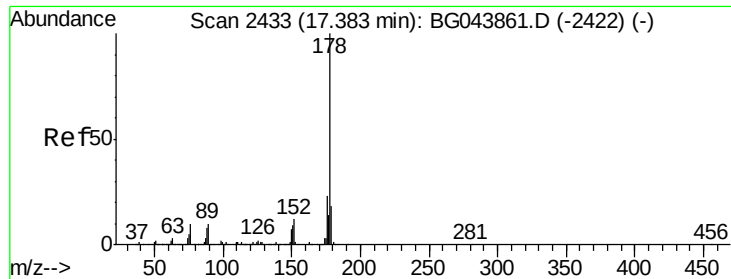


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

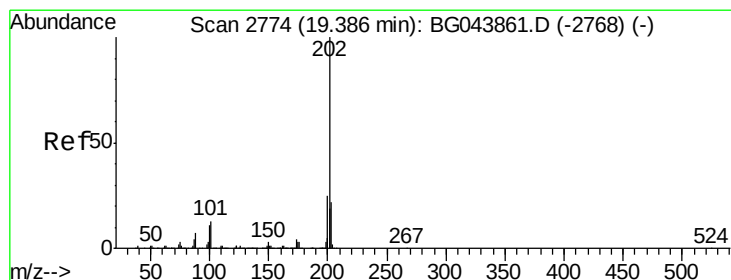
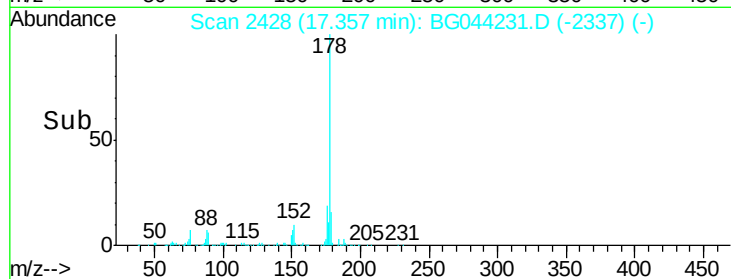
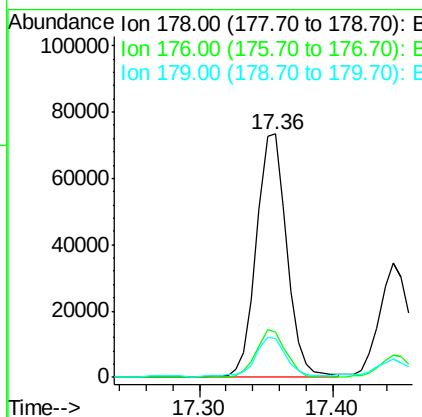
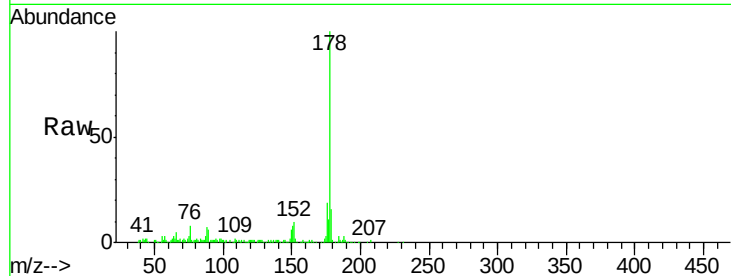




#71
Phenanthrene
Concen: 4.375 ng
RT: 17.36 min Scan# 2428
Delta R.T. 0.01 min
Lab File: BG044231.D
Acq: 28 Jan 2020 15:28

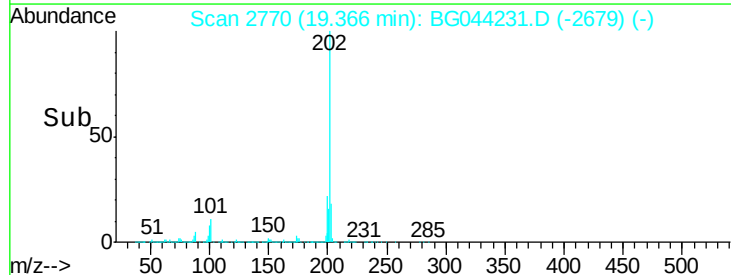
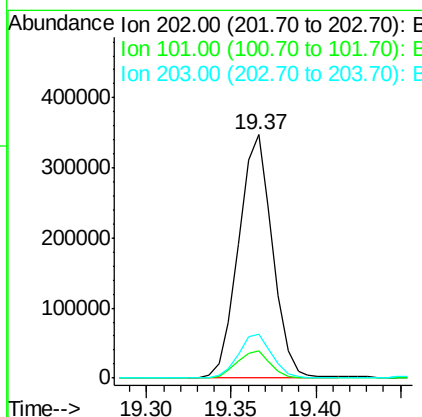
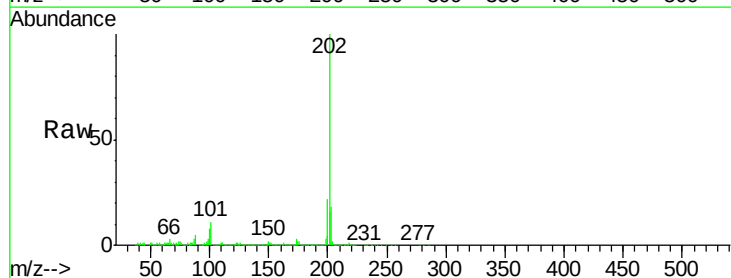
Instrument :
BNA_G
ClientSampleId :

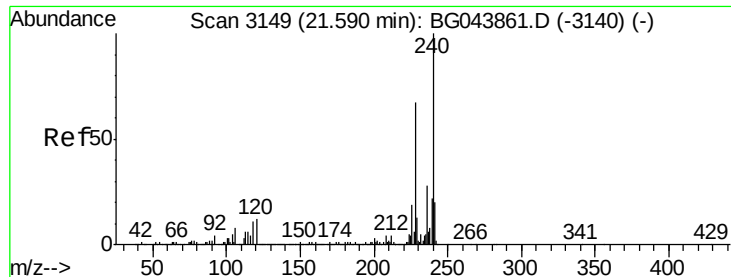
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	17.9	26.9
179	16.2	13.8	20.6



#75
Fluoranthene
Concen: 16.143 ng
RT: 19.37 min Scan# 2770
Delta R.T. 0.01 min
Lab File: BG044231.D
Acq: 28 Jan 2020 15:28

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	31.9
203	17.8	0.2	40.2

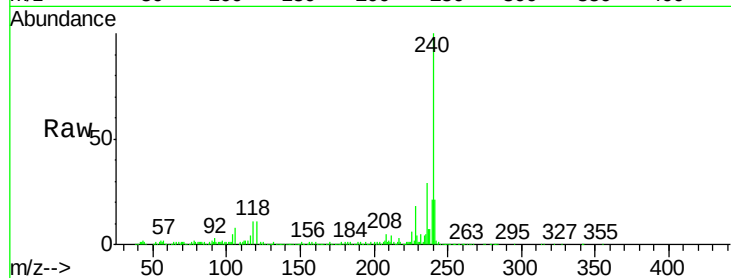




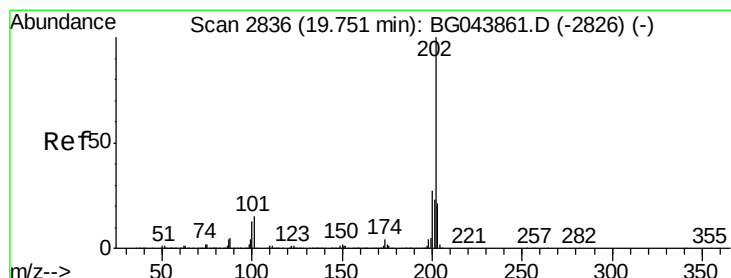
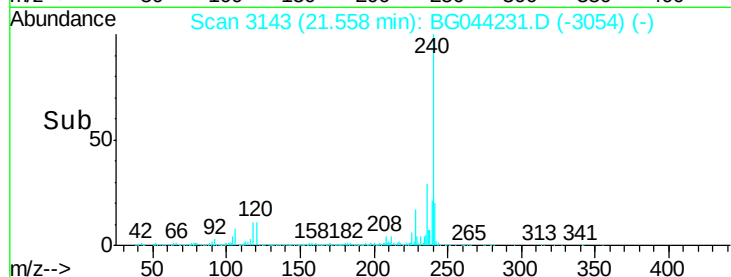
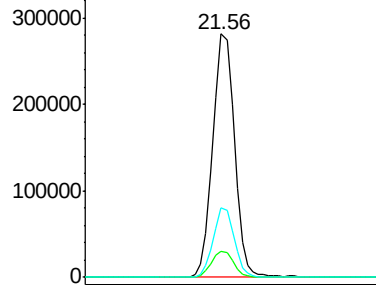
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.56 min Scan# 3143
Delta R.T. -0.01 min
Lab File: BG044231.D
Acq: 28 Jan 2020 15:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion:240 Resp: 472866
Ion Ratio Lower Upper
240 100
120 10.8 8.1 12.1
236 28.6 22.5 33.7

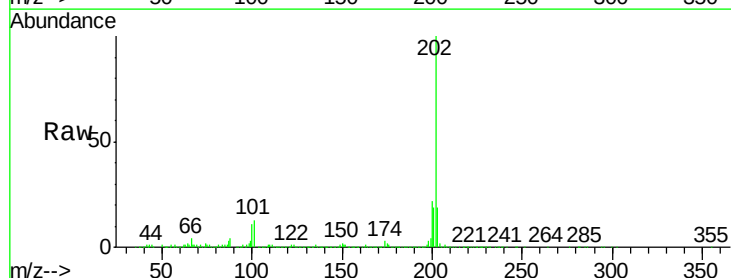


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

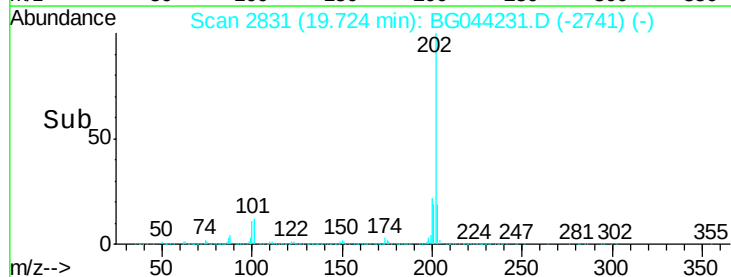
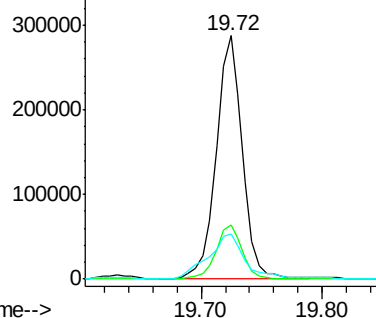


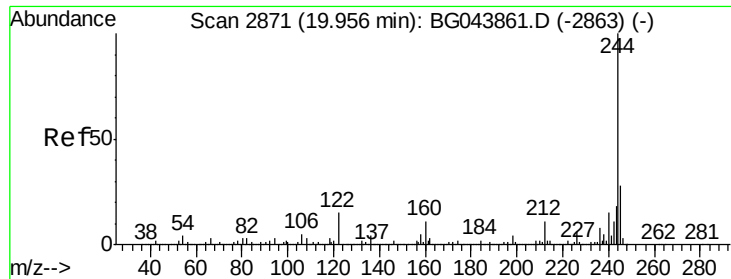
#78
Pyrene
Concen: 13.917 ng
RT: 19.72 min Scan# 2831
Delta R.T. 0.00 min
Lab File: BG044231.D
Acq: 28 Jan 2020 15:28

Tgt Ion:202 Resp: 429575
Ion Ratio Lower Upper
202 100
200 22.2 19.9 29.9
203 18.8 16.3 24.5



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: 94.245 ng

RT: 19.93 min Scan# 2866

Delta R.T. 0.01 min

Lab File: BG044231.D

Acq: 28 Jan 2020 15:28

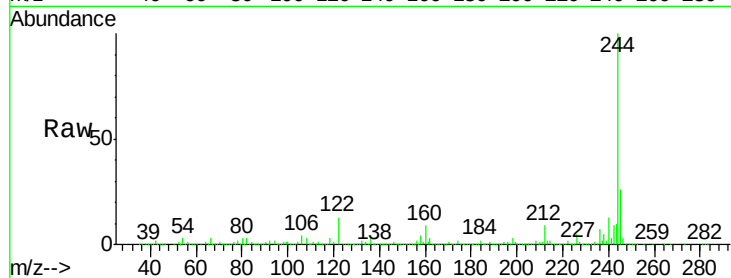
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1797145

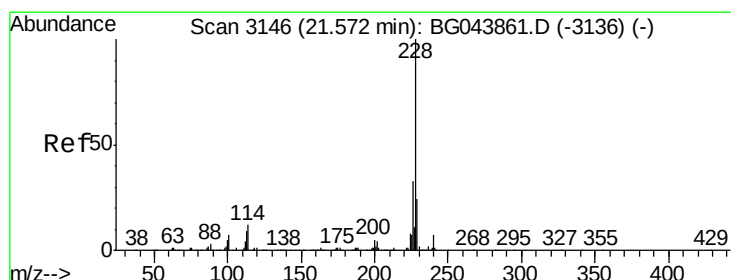
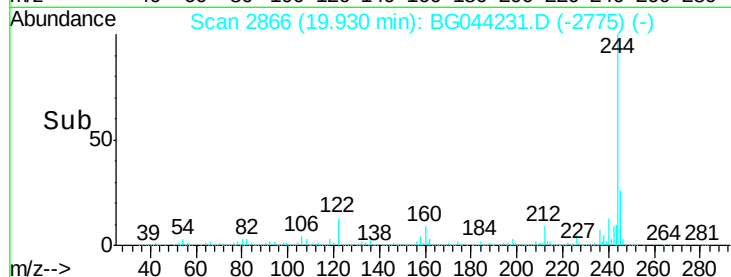
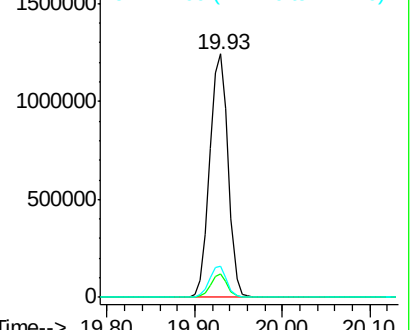
Ion	Ratio	Lower	Upper
244	100		
212	9.4	7.5	11.3
122	12.6	10.6	15.8



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: 8.579 ng

RT: 21.54 min Scan# 3140

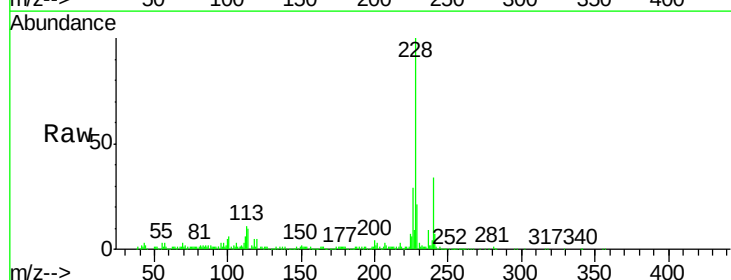
Delta R.T. 0.00 min

Lab File: BG044231.D

Acq: 28 Jan 2020 15:28

Tgt Ion:228 Resp: 251536

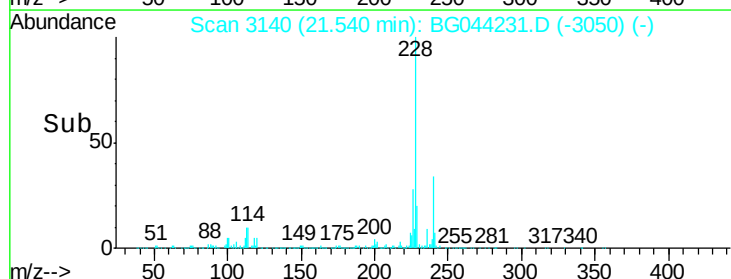
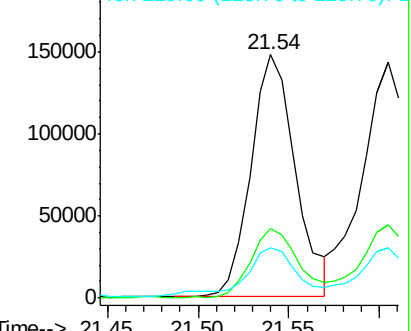
Ion	Ratio	Lower	Upper
228	100		
226	28.6	24.7	37.1
229	20.6	18.3	27.5

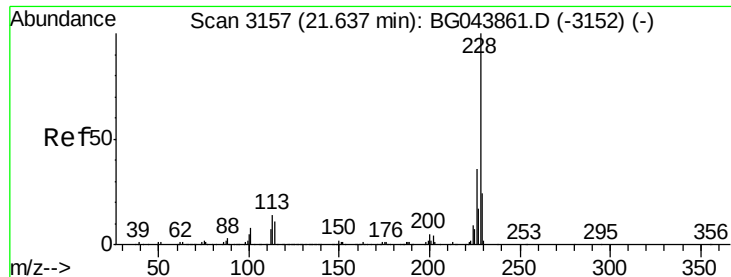


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 9.327 ng

RT: 21.60 min Scan# 3151

Delta R.T. 0.00 min

Lab File: BG044231.D

Acq: 28 Jan 2020 15:28

Instrument :

BNA_G

ClientSampleId :

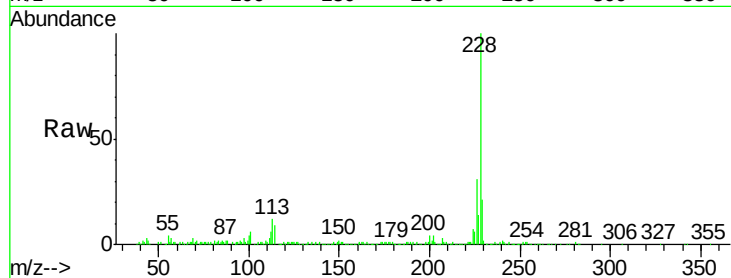
Tot Ion:228 Resp: 259869

Ion Ratio Lower Upper

228 100

226 30.9 27.6 41.4

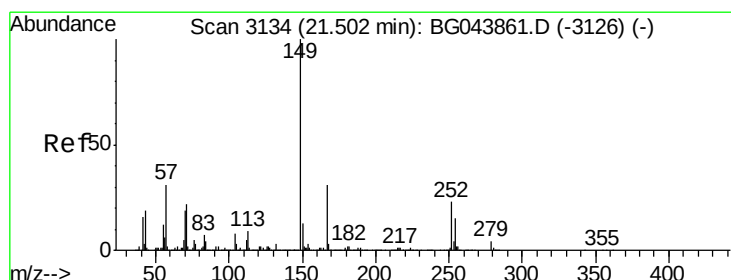
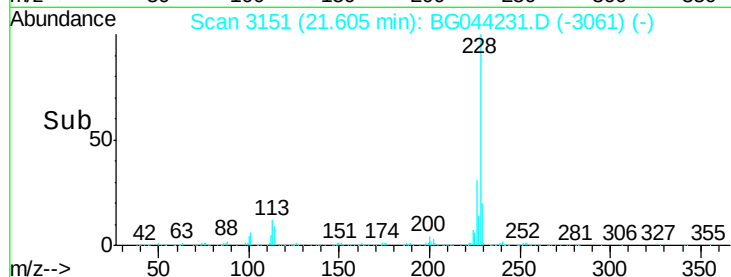
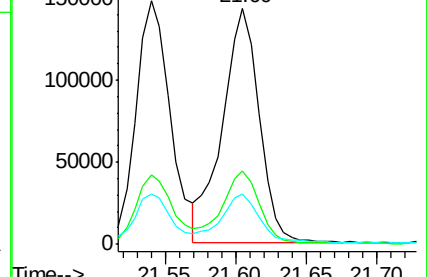
229 21.1 17.8 26.8



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: 2.398 ng

RT: 21.46 min Scan# 3127

Delta R.T. 0.00 min

Lab File: BG044231.D

Acq: 28 Jan 2020 15:28

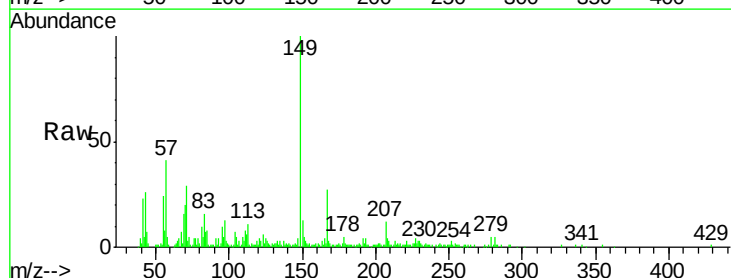
Tgt Ion:149 Resp: 48617

Ion Ratio Lower Upper

149 100

167 27.4 24.1 36.1

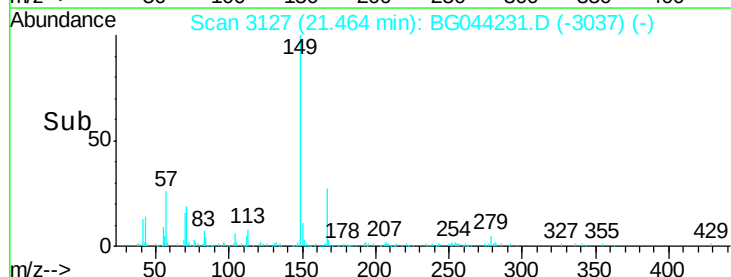
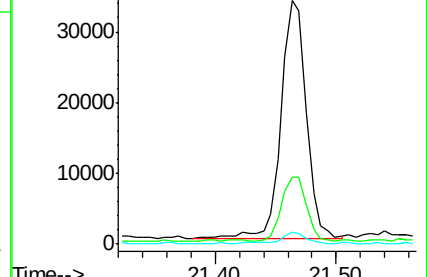
279 5.1 3.7 5.5

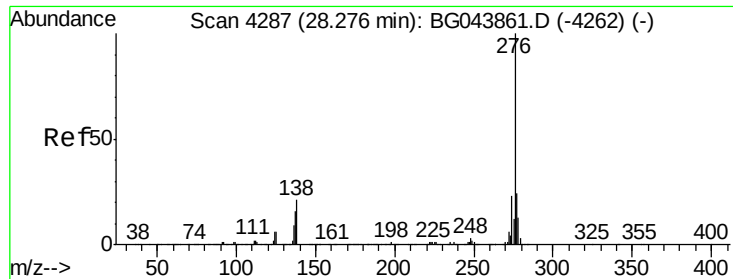


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

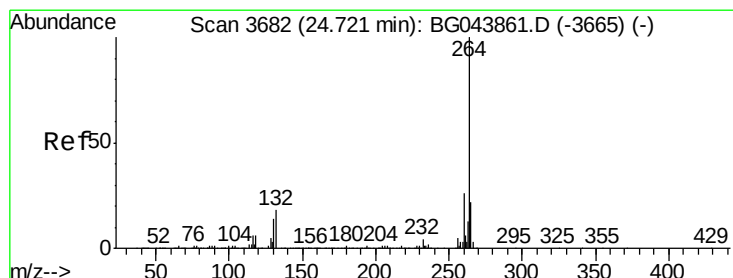
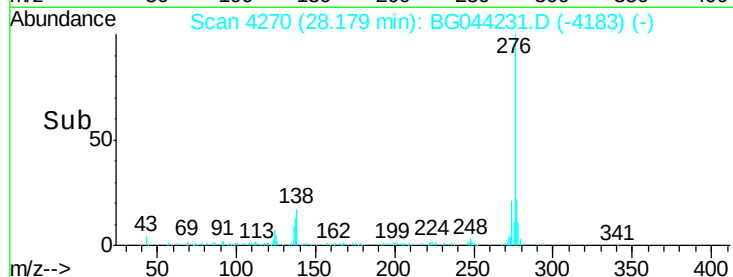
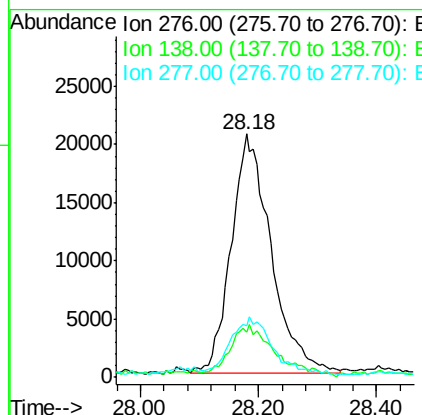
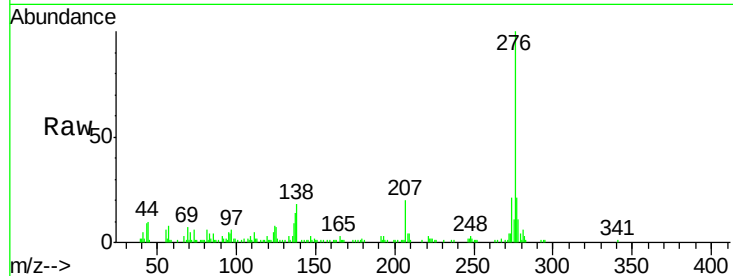




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.552 ng
 RT: 28.18 min Scan# 4270
 Delta R.T. -0.02 min
 Lab File: BG044231.D
 Acq: 28 Jan 2020 15:28

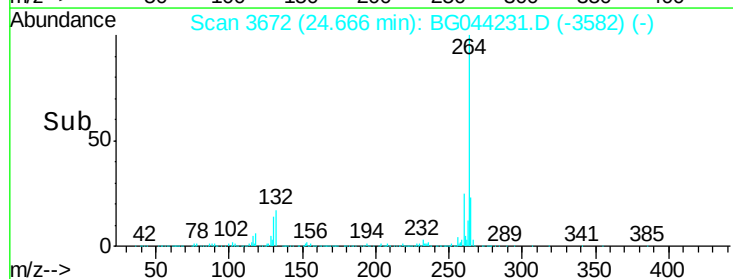
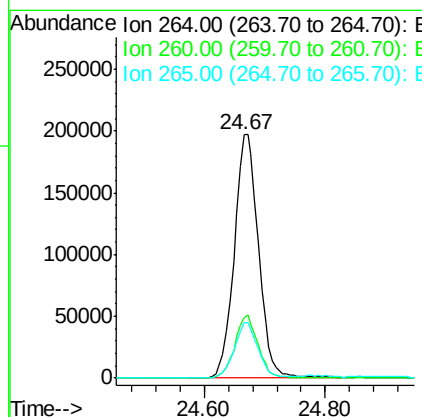
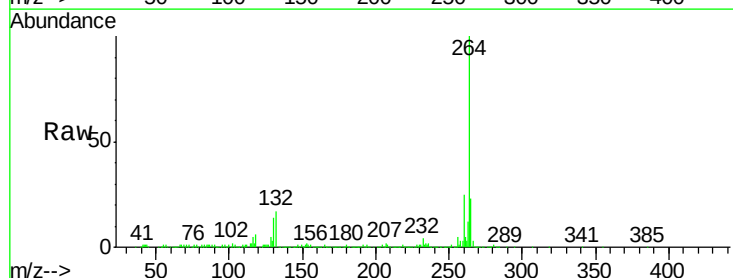
Instrument :
 BNA_G
 ClientSampled :

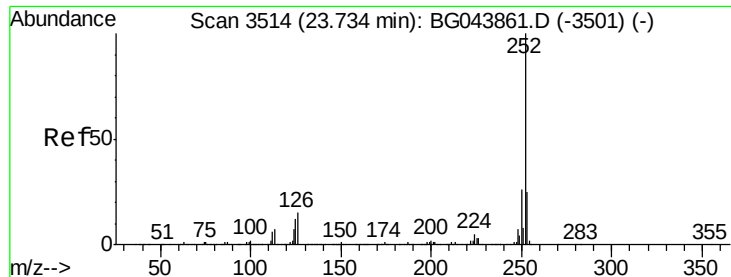
Tot Ion	Ratio	Lower	Upper
276	100		
138	8.1	13.1	19.7#
277	25.3	20.9	31.3



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.67 min Scan# 3672
 Delta R.T. 0.00 min
 Lab File: BG044231.D
 Acq: 28 Jan 2020 15:28

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.3	28.9
265	22.9	17.4	26.2

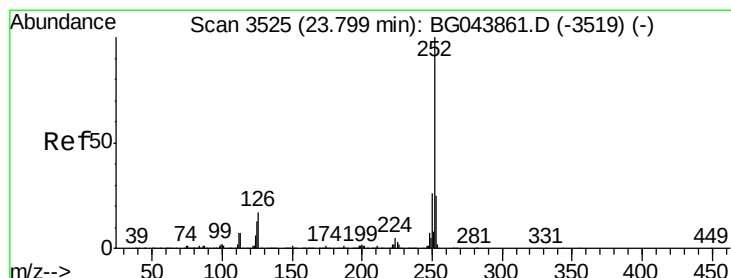
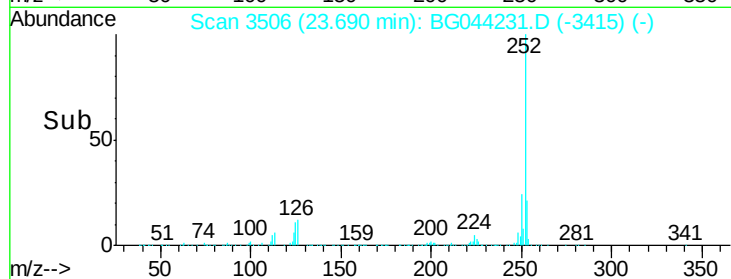
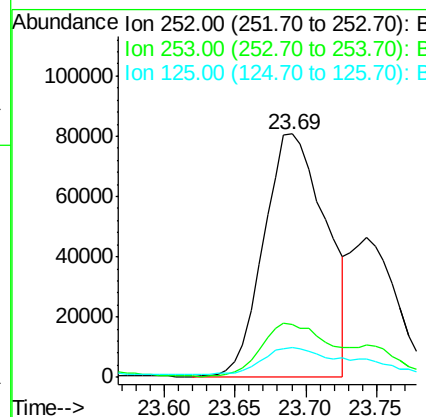
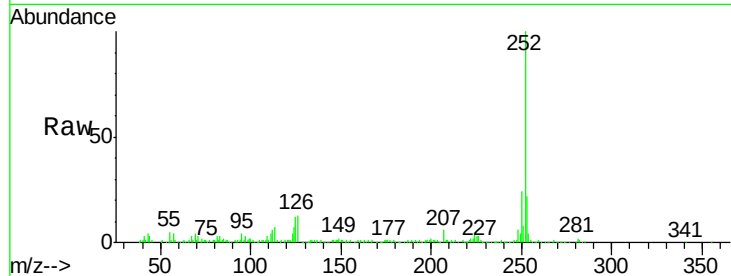




#88
Benzo(b)fluoranthene
Concen: 7.595 ng
RT: 23.69 min Scan# 3506
Delta R.T. 0.01 min
Lab File: BG044231.D
Acq: 28 Jan 2020 15:28

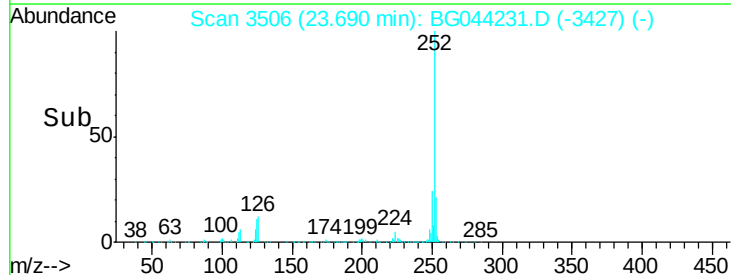
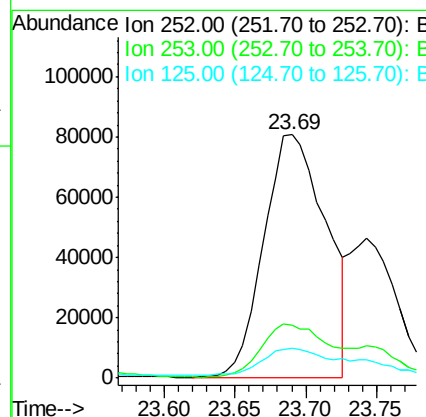
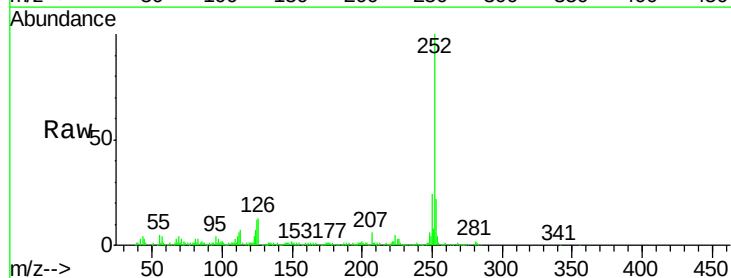
Instrument :
BNA_G
ClientSampleId :

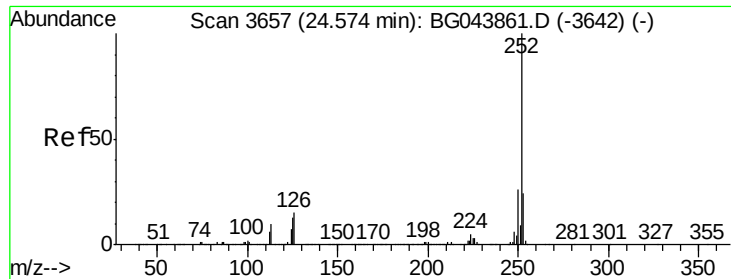
Tot Ion:252 Resp: 246878
Ion Ratio Lower Upper
252 100
253 21.8 19.2 28.8
125 12.4 8.8 13.2



#89
Benzo(k)fluoranthene
Concen: 7.987 ng
RT: 23.69 min Scan# 3506
Delta R.T. -0.06 min
Lab File: BG044231.D
Acq: 28 Jan 2020 15:28

Tgt Ion:252 Resp: 246878
Ion Ratio Lower Upper
252 100
253 21.8 19.6 29.4
125 12.4 8.6 12.8

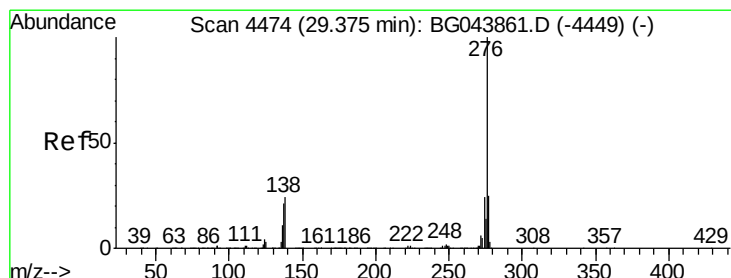
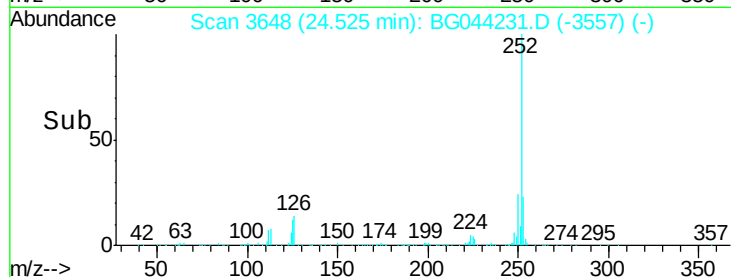
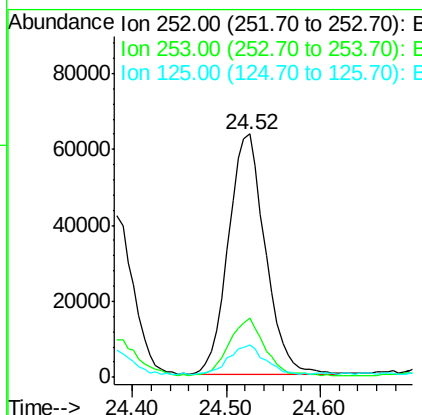
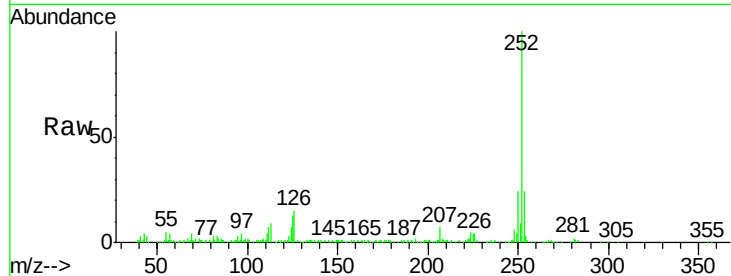




#90
Benzo(a)pyrene
Concen: 5.592 ng
RT: 24.52 min Scan# 3648
Delta R.T. 0.01 min
Lab File: BG044231.D
Acq: 28 Jan 2020 15:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion:252 Resp: 171576
Ion Ratio Lower Upper
252 100
253 24.2 18.5 27.7
125 13.5 8.9 13.3#



#92
Benzo(g,h,i)perylene
Concen: 2.853 ng
RT: 29.28 min Scan# 4458
Delta R.T. -0.01 min
Lab File: BG044231.D
Acq: 28 Jan 2020 15:28

Tgt Ion:276 Resp: 87309
Ion Ratio Lower Upper
276 100
277 18.9 19.6 29.4#
138 19.6 16.7 25.1

