

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050919\
 Data File : BG040847.D
 Acq On : 10 May 2019 12:11
 Operator : HP/JU
 Sample : K2764-15
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 10 15:17:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 05:35:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	61091	20.00	ng	-0.02
21) Naphthalene-d8	10.97	136	263367	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	188567	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	455077	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	436963	20.00	ng	-0.03
87) Perylene-d12	25.15	264	468434	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.67	112	496655	143.31	ng	0.00
7) Phenol-d6	7.28	99	750336	140.62	ng	-0.01
23) Nitrobenzene-d5	9.32	82	522951	91.75	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	365869	141.16	ng	-0.02
45) 2-Fluorobiphenyl	13.40	172	978929	74.97	ng	-0.02
79) Terphenyl-d14	20.11	244	1520777	77.10	ng	-0.02

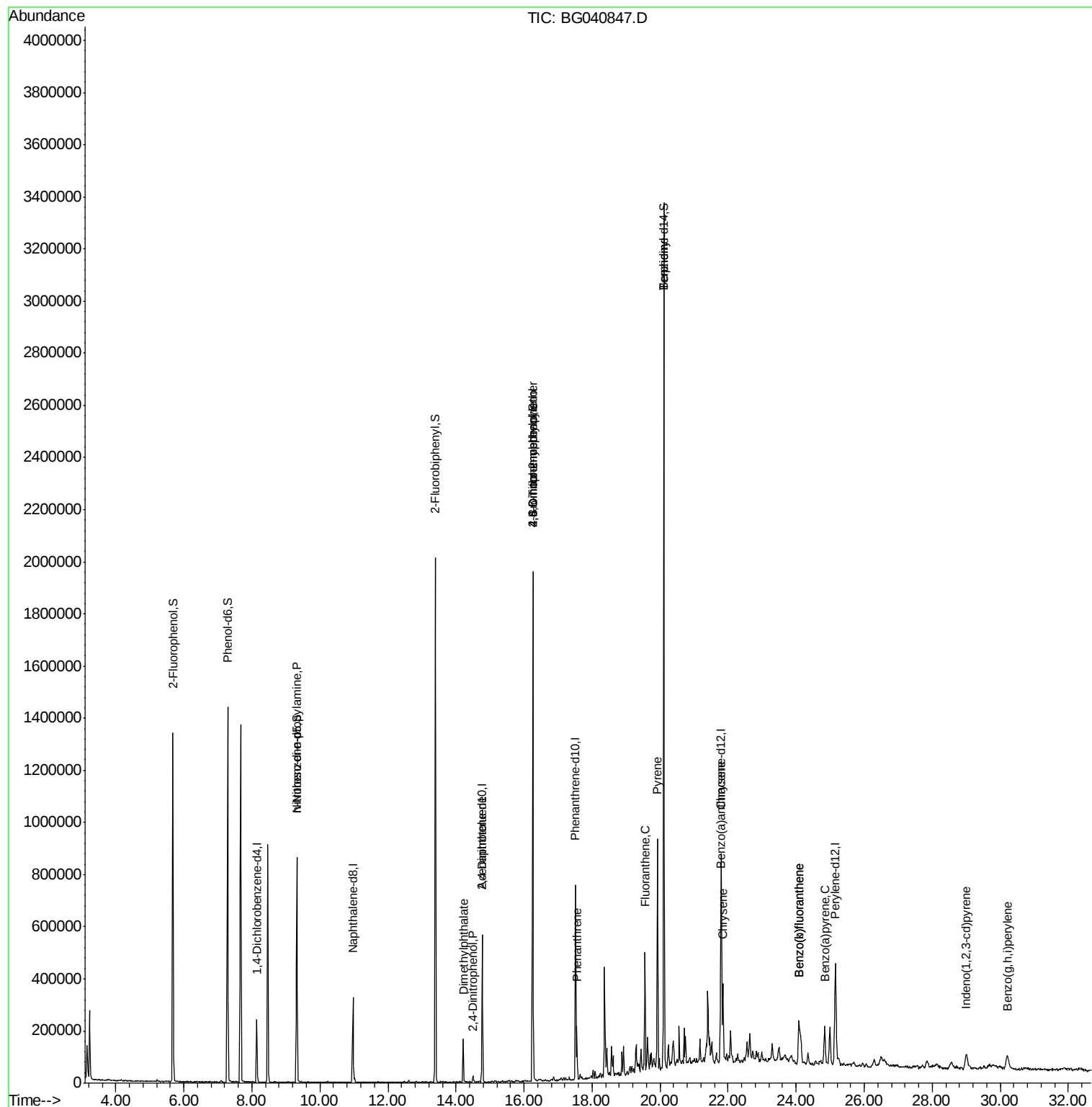
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.28	77	2004	Below Cal		# 6
19) n-Nitroso-di-n-propylamine	9.32	70	76307	15.886	ng	# 75
50) Dimethylphthalate	14.21	163	98775	6.261	ng	99
54) 2,4-Dinitrophenol	14.51	184	66	7.049	ng	# 1
57) 2,4-Dinitrotoluene	14.77	165	24700	5.903	ng	# 17
65) 4,6-Dinitro-2-methylphenol	16.25	198	1371	7.622	ng	# 1
67) 4-Bromophenyl-phenylether	16.26	248	26677	4.705	ng	# 1
71) Phenanthrene	17.56	178	122202	4.985	ng	96
75) Fluoranthene	19.56	202	299107	9.792	ng	95
77) Benzidine	20.11	184	26873	2.246	ng	98
78) Pyrene	19.92	202	562836	20.551	ng	99
81) Benzo(a)anthracene	21.78	228	194434	7.041	ng	99
83) Chrysene	21.84	228	241148	9.182	ng	98
86) Indeno(1,2,3-cd)pyrene	28.99	276	111678	3.517	ng	# 87
88) Benzo(b)fluoranthene	24.09	252	232621	8.126	ng	96
89) Benzo(k)fluoranthene	24.09	252	232621	8.702	ng	96
90) Benzo(a)pyrene	24.84	252	167808	6.193	ng	99
92) Benzo(g,h,i)perylene	30.22	276	129744	4.754	ng	97

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

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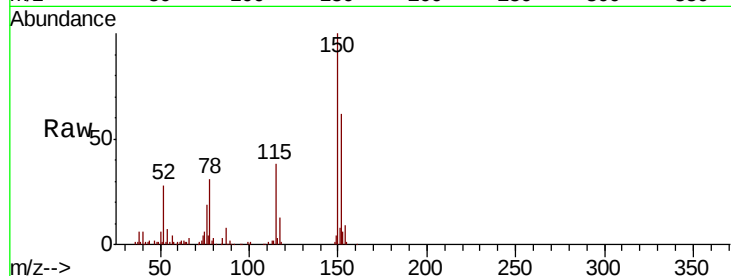


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 860
Delta R.T. -0.02 min
Lab File: BG040847.D
Acq: 10 May 2019 12:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.1	120.2	180.2
115	60.9	46.2	69.2

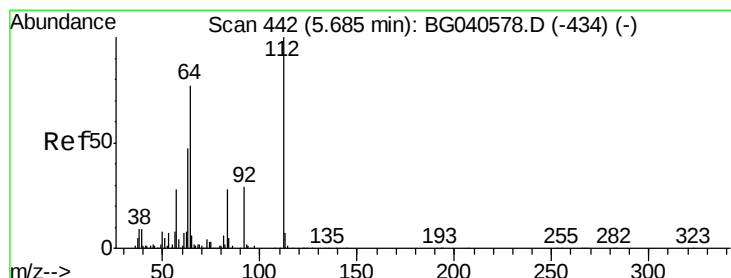
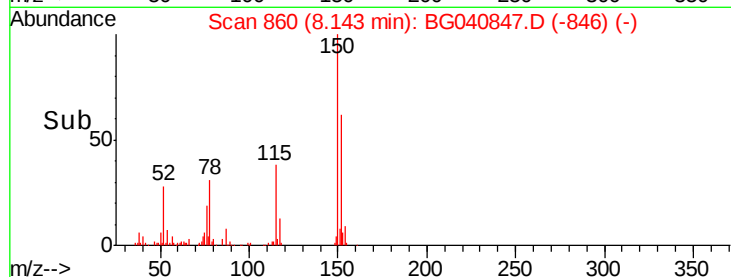
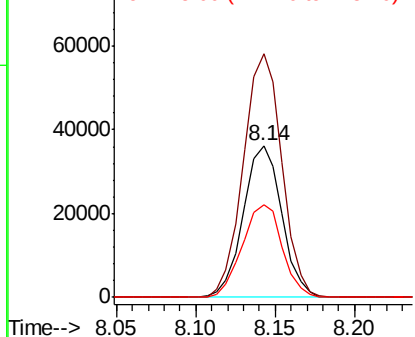


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

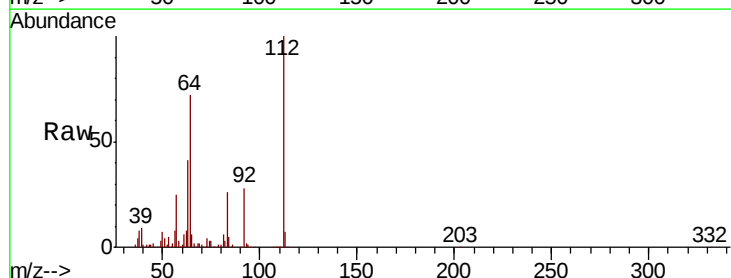
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 143.309 ng
RT: 5.67 min Scan# 440
Delta R.T. -0.01 min
Lab File: BG040847.D
Acq: 10 May 2019 12:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.3	61.4	92.0
63	40.5	37.8	56.6

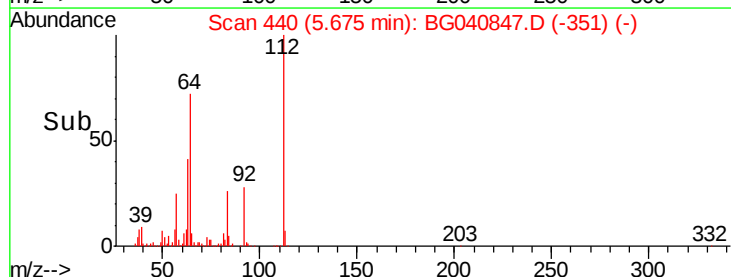
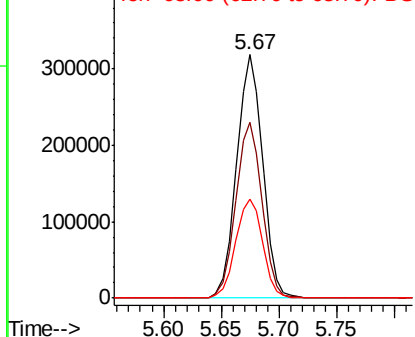


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 140.615 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040847.D

Acq: 10 May 2019 12:11

Instrument :

BNA_G

ClientSampleId :

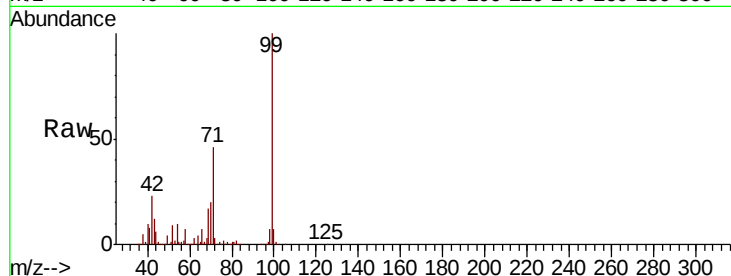
Tot Ion: 99 Resp: 750336

Ion Ratio Lower Upper

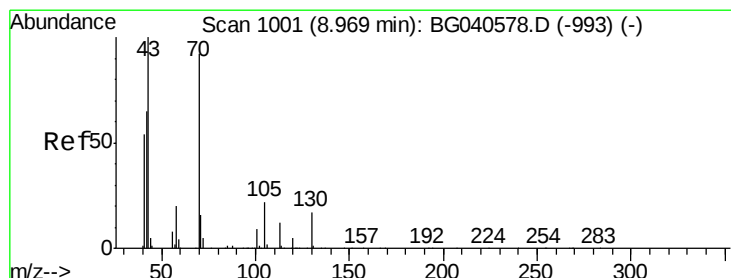
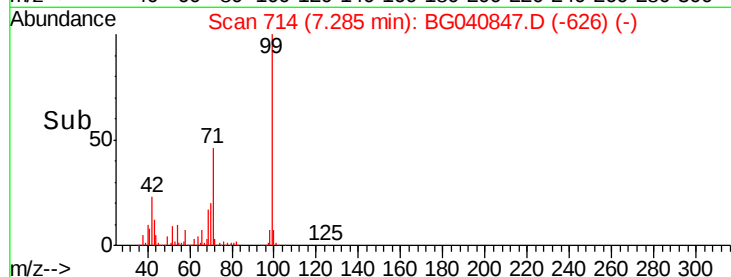
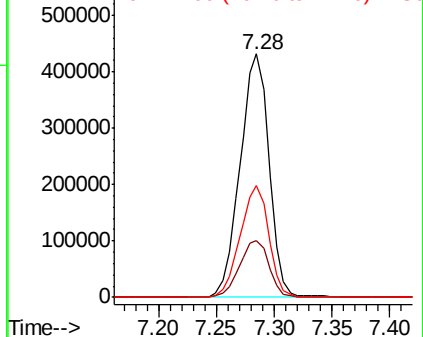
99 100

42 23.2 21.8 32.8

71 45.9 38.6 57.8



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: 15.886 ng

RT: 9.32 min Scan# 1060

Delta R.T. 0.35 min

Lab File: BG040847.D

Acq: 10 May 2019 12:11

Tgt Ion: 70 Resp: 76307

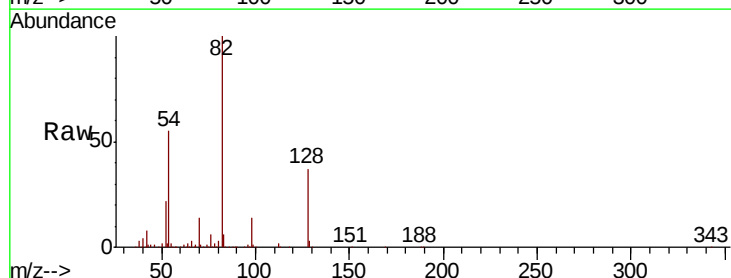
Ion Ratio Lower Upper

70 100

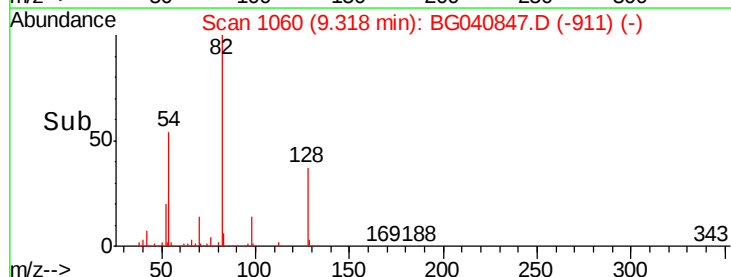
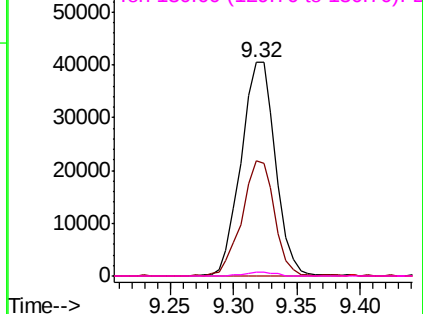
42 53.7 57.1 85.7#

101 0.0 7.8 11.8#

130 1.7 14.6 21.8#



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

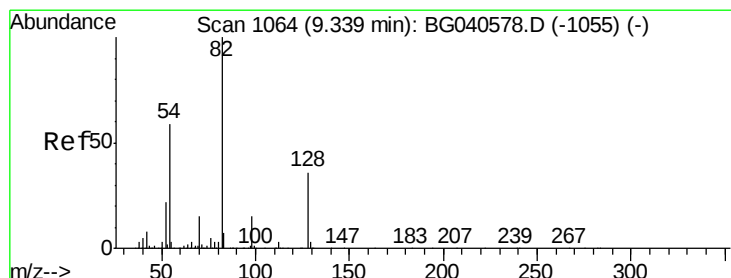
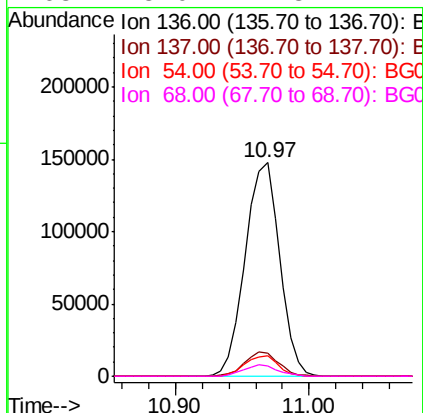
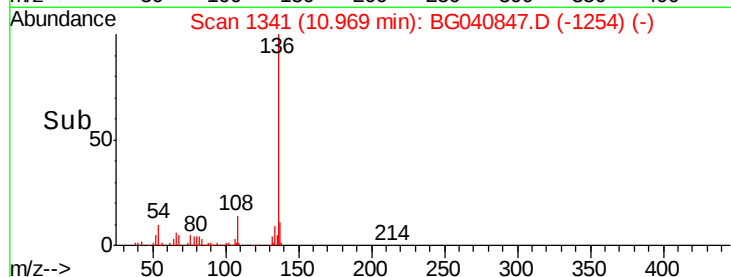
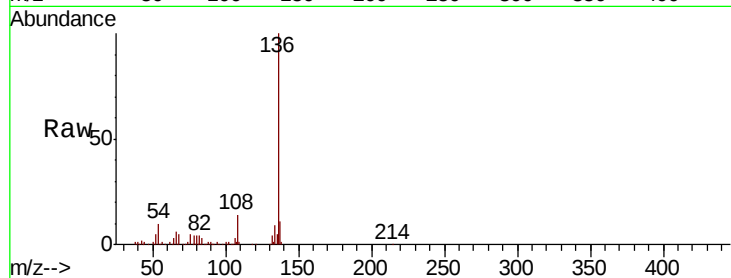




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG040847.D
Acq: 10 May 2019 12:11

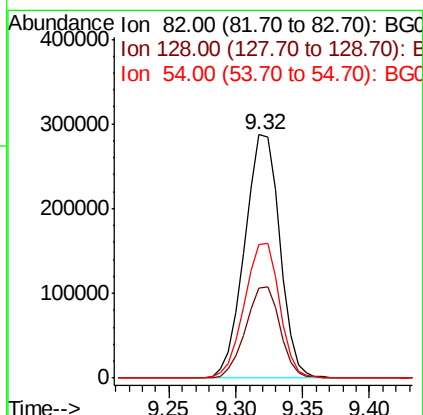
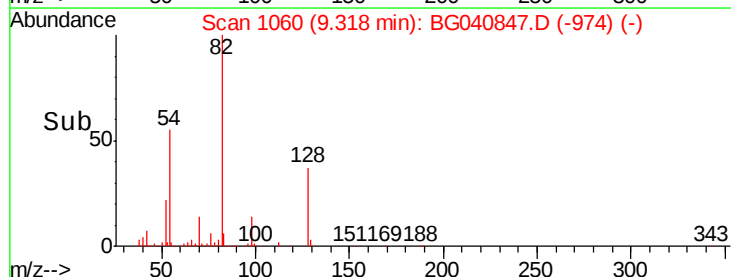
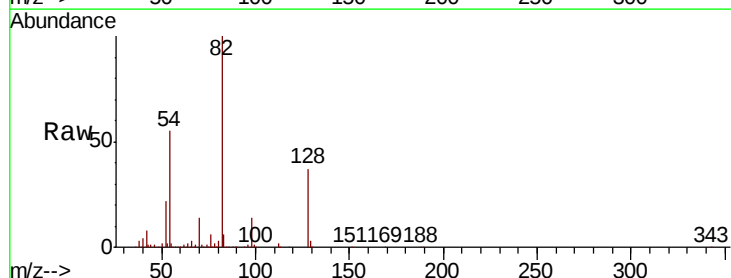
Instrument :
BNA_G
ClientSampleId :

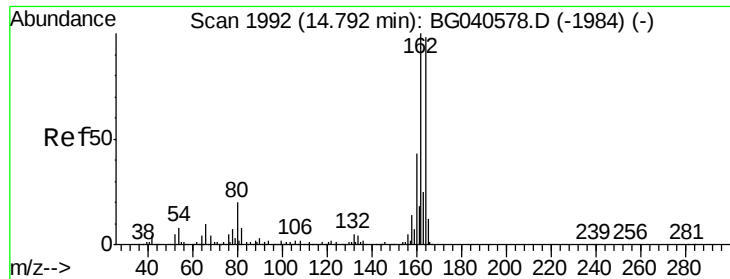
Tot Ion:136	Resp:	263367
Ion Ratio	Lower	Upper
136 100		
137 11.0	9.7	14.5
54 9.9	8.6	12.8
68 5.0	4.8	7.2



#23
Nitrobenzene-d5
Concen: 91.749 ng
RT: 9.32 min Scan# 1060
Delta R.T. -0.02 min
Lab File: BG040847.D
Acq: 10 May 2019 12:11

Tgt Ion: 82	Resp: 522951
Ion Ratio	Lower Upper
82 100	
128 37.1	28.9 43.3
54 55.0	47.2 70.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.02 min

Lab File: BG040847.D

Acq: 10 May 2019 12:11

Instrument :

BNA_G

ClientSampleId :

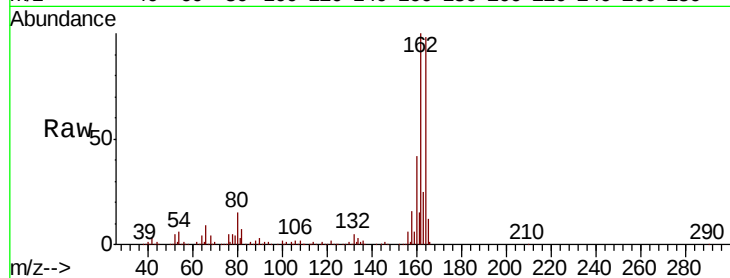
Tot Ion:164 Resp: 188567

Ion Ratio Lower Upper

164 100

162 102.4 81.9 122.9

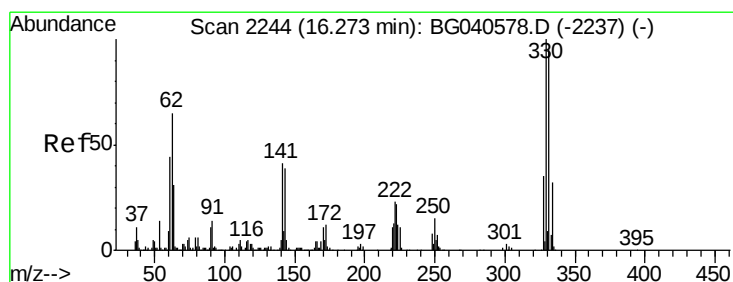
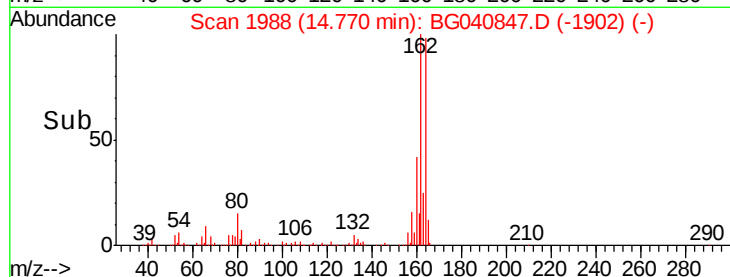
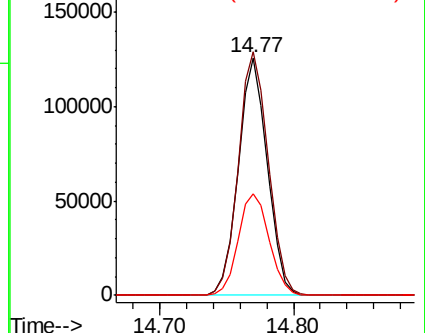
160 42.9 35.4 53.2



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: 141.159 ng

RT: 16.26 min Scan# 2241

Delta R.T. -0.02 min

Lab File: BG040847.D

Acq: 10 May 2019 12:11

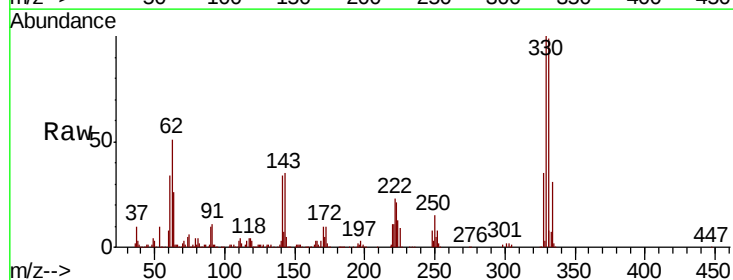
Tgt Ion:330 Resp: 365869

Ion Ratio Lower Upper

330 100

332 96.3 75.9 113.9

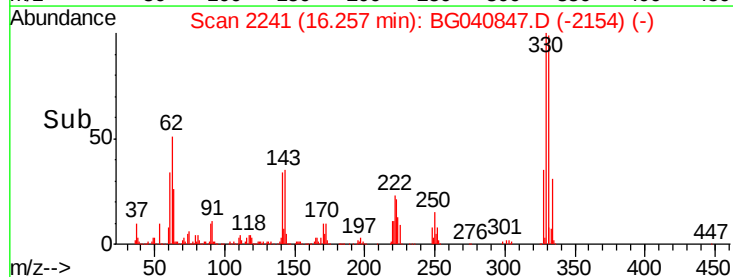
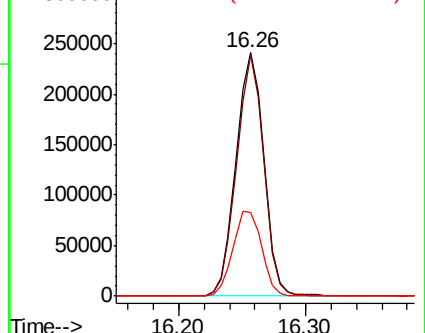
141 36.0 32.4 48.6



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

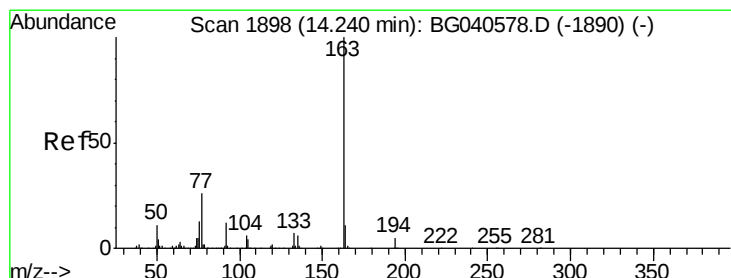
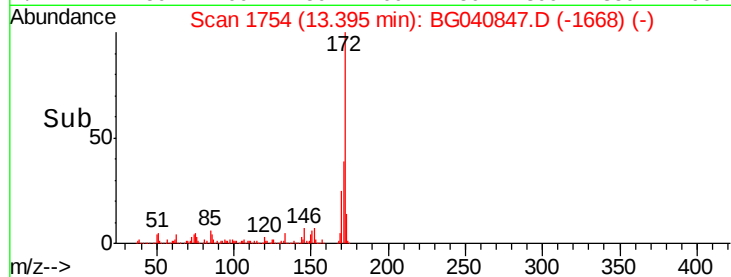
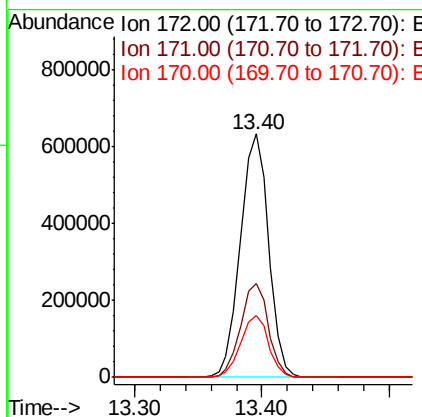
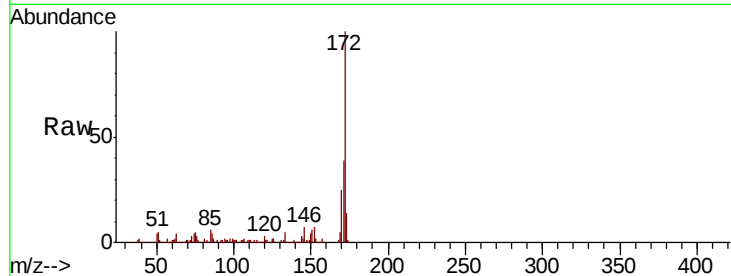




#45
 2-Fluorobiphenyl
 Concen: 74.974 ng
 RT: 13.40 min Scan# 1754
 Delta R.T. -0.02 min
 Lab File: BG040847.D
 Acq: 10 May 2019 12:11

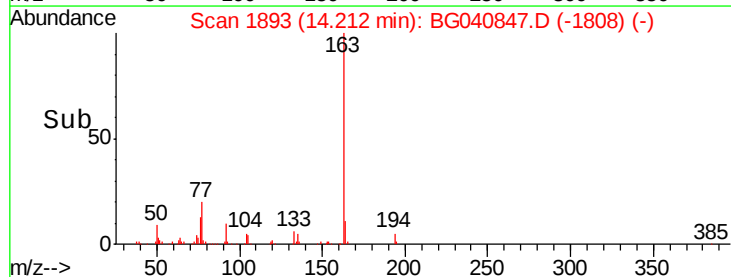
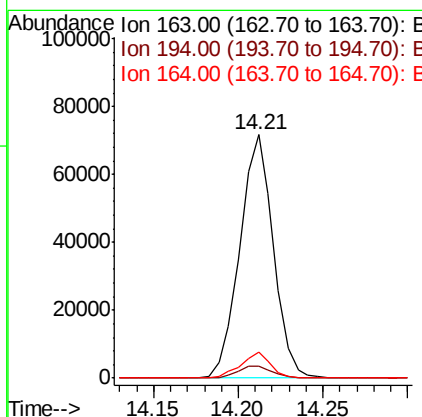
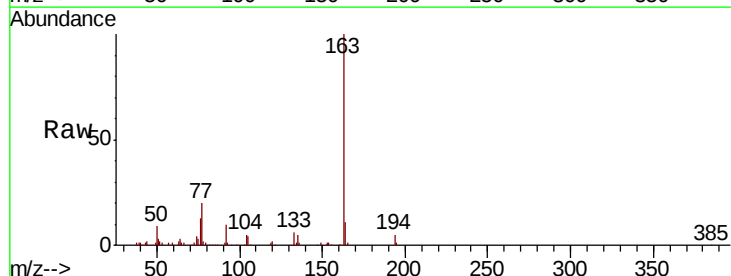
Instrument :
 BNA_G
 ClientSampleId :

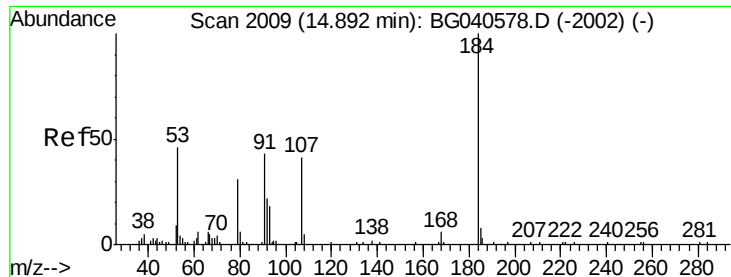
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.8	29.4	44.2
170	25.4	19.9	29.9



#50
 Dimethylphthalate
 Concen: 6.261 ng
 RT: 14.21 min Scan# 1893
 Delta R.T. -0.03 min
 Lab File: BG040847.D
 Acq: 10 May 2019 12:11

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.8	3.8	5.8
164	10.6	8.8	13.2

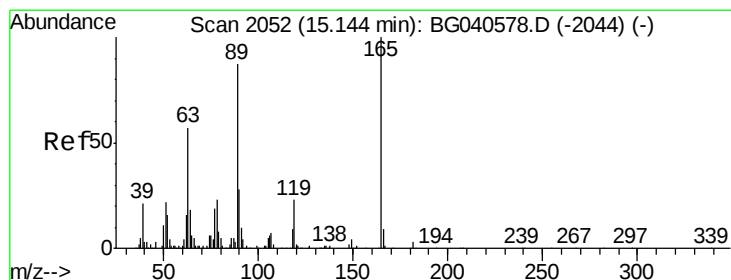
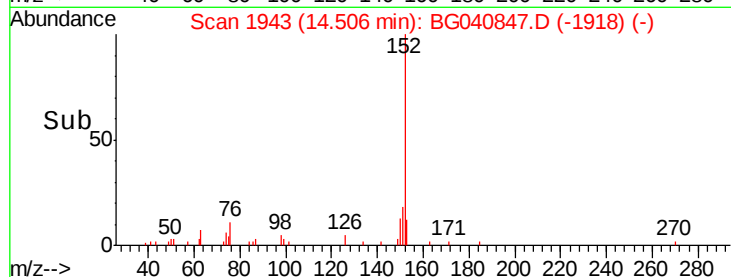
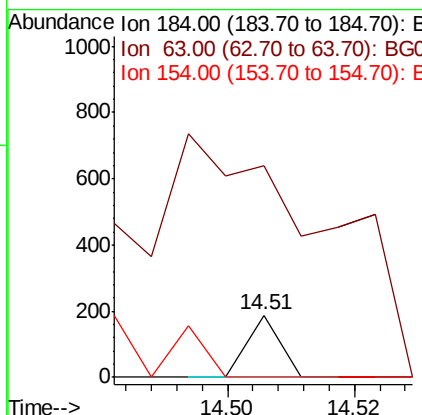
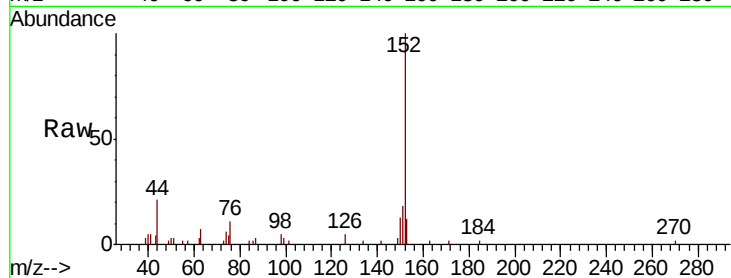




#54
2,4-Dinitrophenol
Concen: 7.049 ng
RT: 14.51 min Scan# 1943
Delta R.T. -0.39 min
Lab File: BG040847.D
Acq: 10 May 2019 12:11

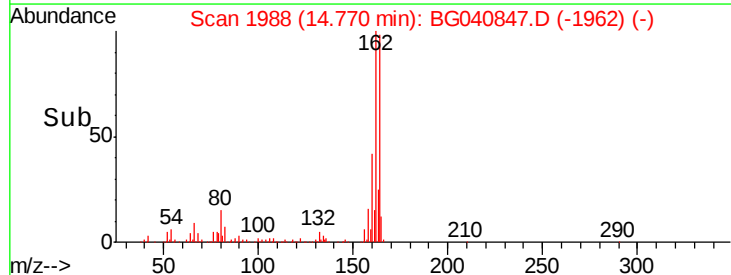
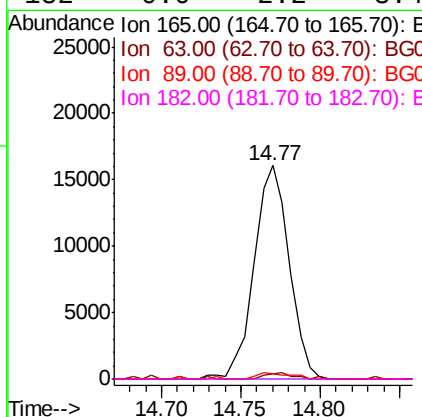
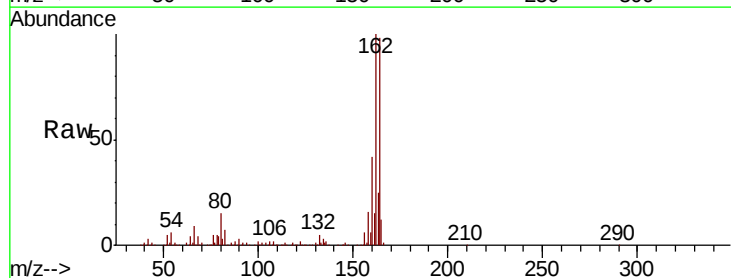
Instrument :
BNA_G
ClientSampleId :

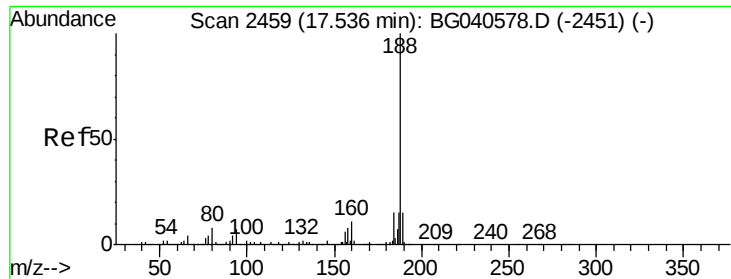
Tot Ion:184 Resp: 66
Ion Ratio Lower Upper
184 100
63 339.9 51.8 77.6#
154 0.0 43.6 65.4#



#57
2,4-Dinitrotoluene
Concen: 5.903 ng
RT: 14.77 min Scan# 1988
Delta R.T. -0.37 min
Lab File: BG040847.D
Acq: 10 May 2019 12:11

Tgt Ion:165 Resp: 24700
Ion Ratio Lower Upper
165 100
63 2.6 45.8 68.8#
89 2.2 69.4 104.2#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.51 min Scan# 2455

Delta R.T. -0.02 min

Lab File: BG040847.D

Acq: 10 May 2019 12:11

Instrument :

BNA_G

ClientSampleId :

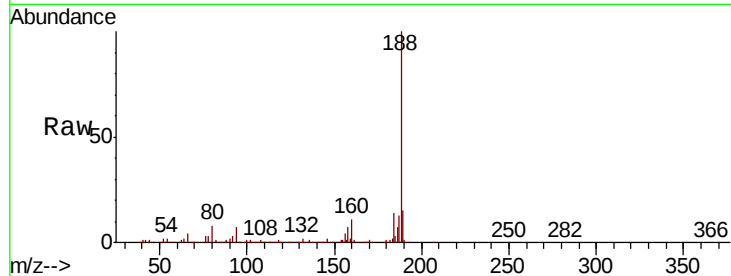
Tot Ion:188 Resp: 455077

Ion Ratio Lower Upper

188 100

94 6.8 5.6 8.4

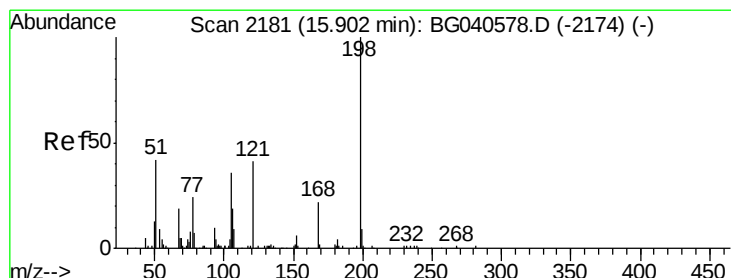
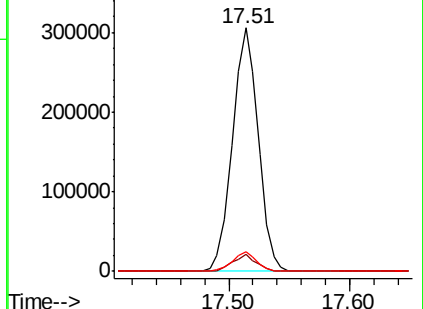
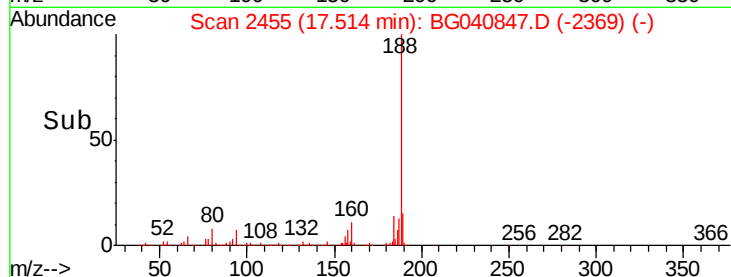
80 7.9 6.4 9.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 7.622 ng

RT: 16.25 min Scan# 2240

Delta R.T. 0.35 min

Lab File: BG040847.D

Acq: 10 May 2019 12:11

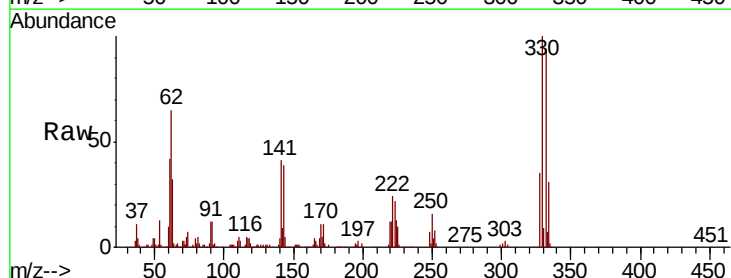
Tgt Ion:198 Resp: 1371

Ion Ratio Lower Upper

198 100

51 157.8 35.9 75.9#

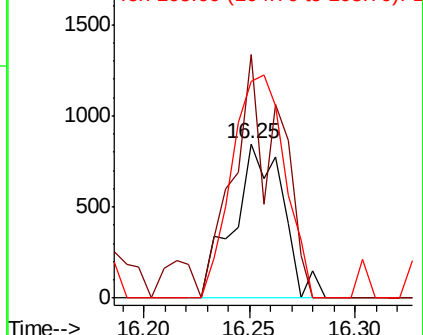
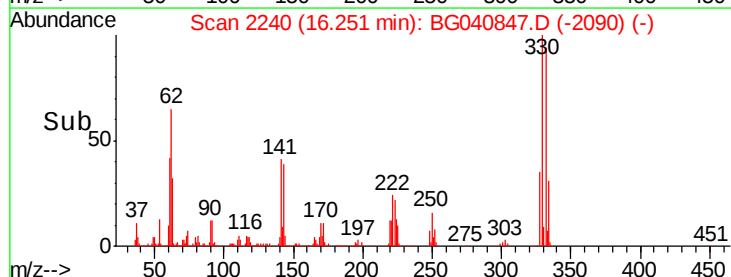
105 140.7 21.2 61.2#

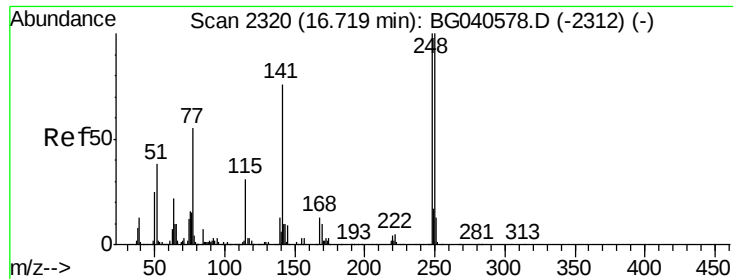


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

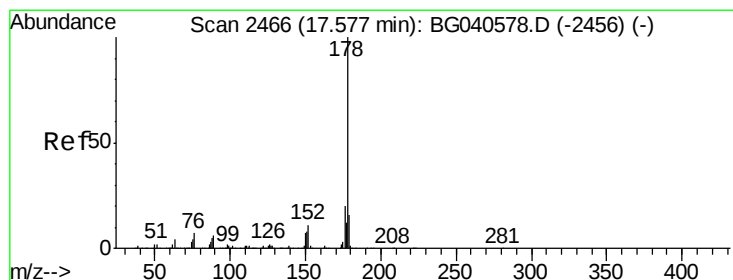
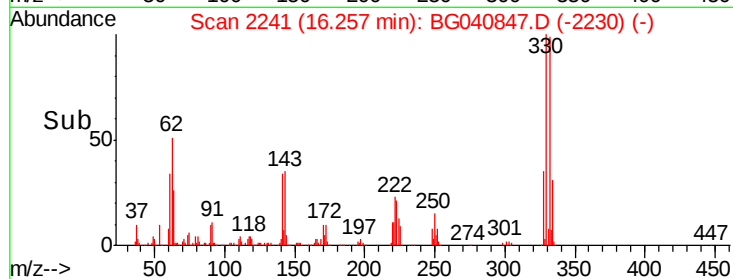
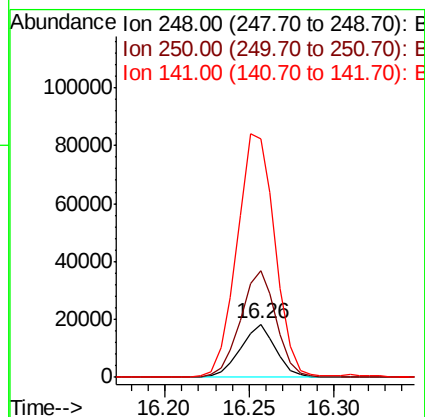
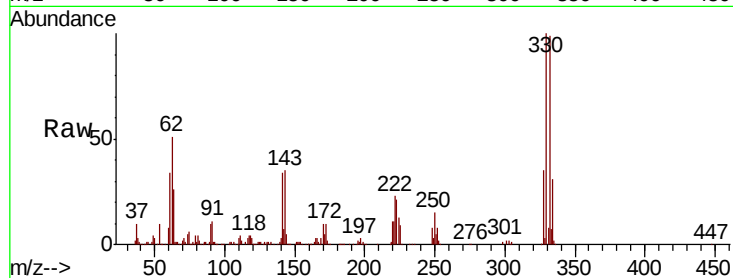




#67
 4-Bromophenyl-phenylether
 Concen: 4.705 ng
 RT: 16.26 min Scan# 2241
 Delta R.T. -0.46 min
 Lab File: BG040847.D
 Acq: 10 May 2019 12:11

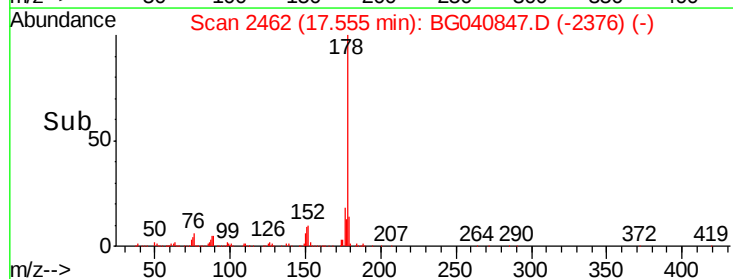
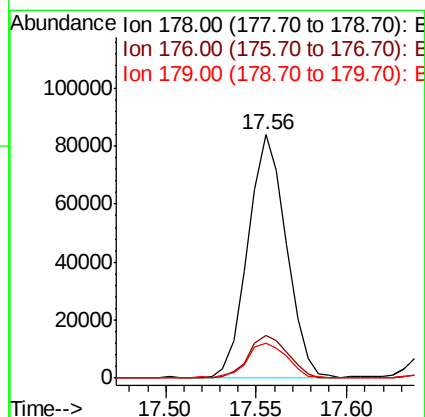
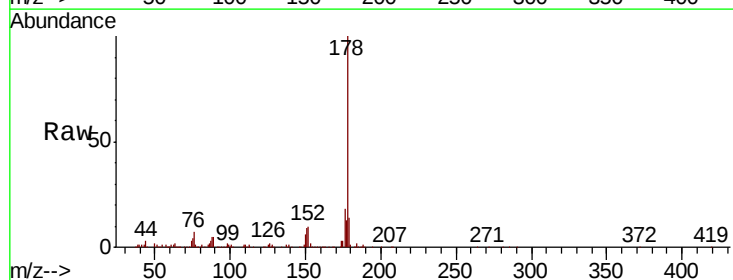
Instrument :
 BNA_G
 ClientSampleId :

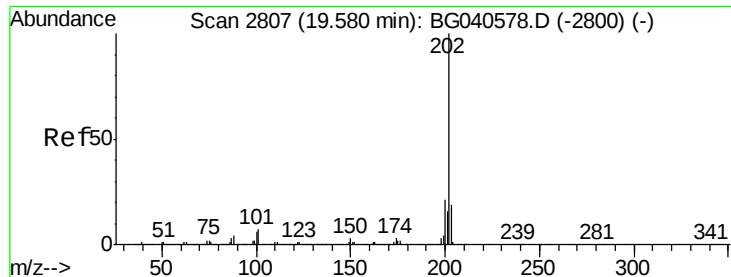
Tot Ion:248 Resp: 26677
 Ion Ratio Lower Upper
 248 100
 250 202.1 79.8 119.6#
 141 451.6 60.8 91.2#



#71
 Phenanthrene
 Concen: 4.985 ng
 RT: 17.56 min Scan# 2462
 Delta R.T. -0.02 min
 Lab File: BG040847.D
 Acq: 10 May 2019 12:11

Tgt Ion:178 Resp: 122202
 Ion Ratio Lower Upper
 178 100
 176 17.6 15.8 23.6
 179 14.3 12.6 18.8





#75

Fluoranthene

Concen: 9.792 ng

RT: 19.56 min Scan# 2803

Delta R.T. -0.02 min

Lab File: BG040847.D

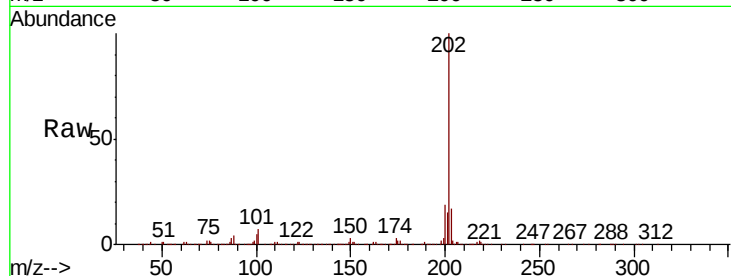
Acq: 10 May 2019 12:11

Instrument :

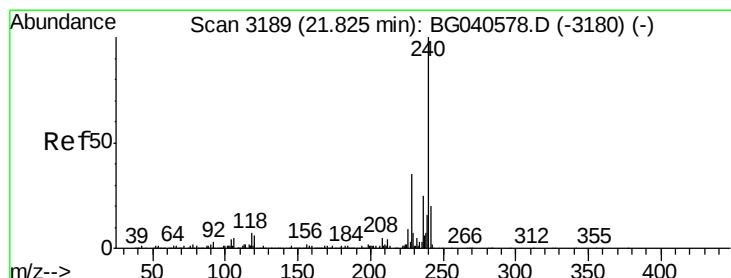
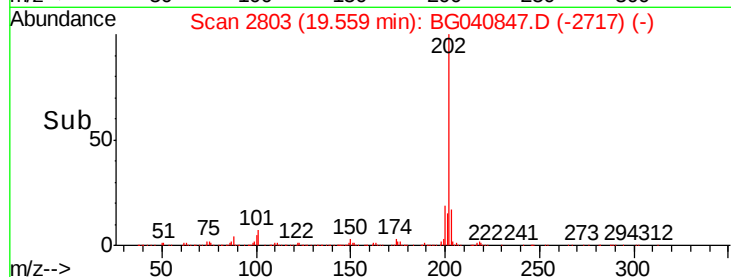
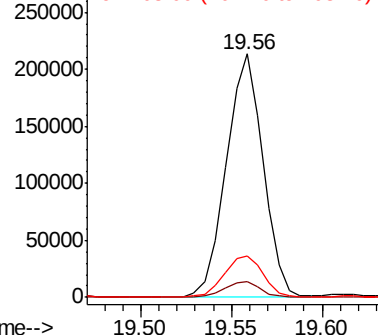
BNA_G

ClientSampleId :

Tot Ion:	202	Resp:	299107
Ion	Ratio	Lower	Upper
202	100		
101	6.7	0.0	27.5
203	16.8	0.0	39.3



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

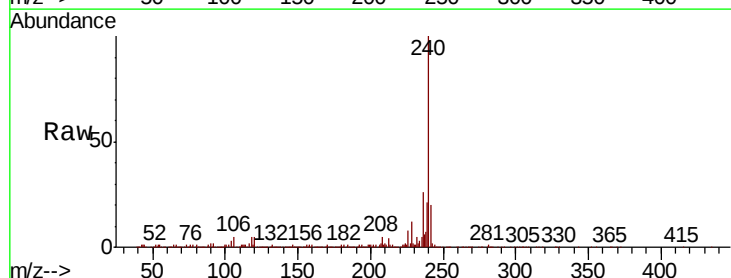
RT: 21.80 min Scan# 3184

Delta R.T. -0.03 min

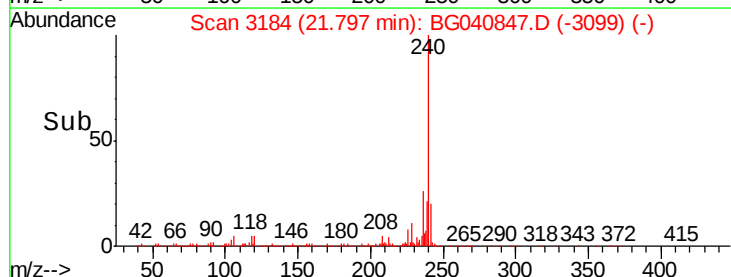
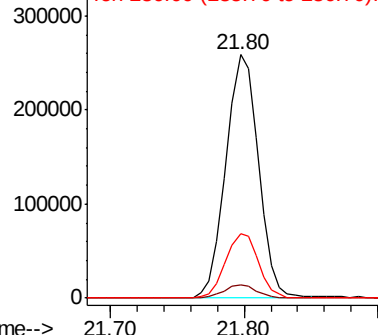
Lab File: BG040847.D

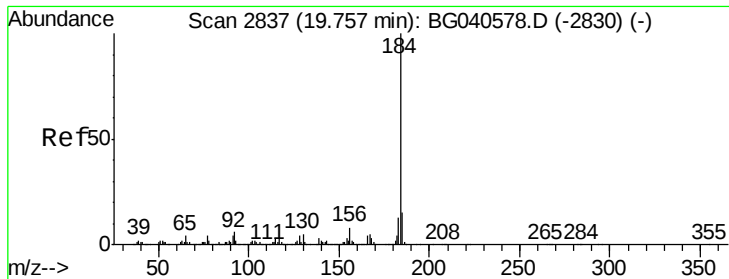
Acq: 10 May 2019 12:11

Tgt Ion:	240	Resp:	436963
Ion	Ratio	Lower	Upper
240	100		
120	5.5	5.0	7.6
236	26.4	20.3	30.5



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





#77

Benzidine

Concen: 2.246 ng

RT: 20.11 min Scan# 2897

Delta R.T. 0.35 min

Lab File: BG040847.D

Acq: 10 May 2019 12:11

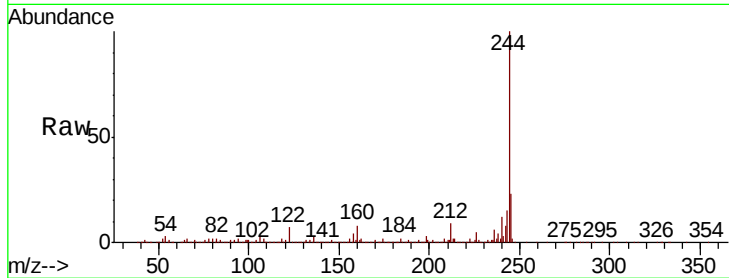
Instrument :

BNA_G

ClientSampled :

Tot Ion:184 Resp: 26873

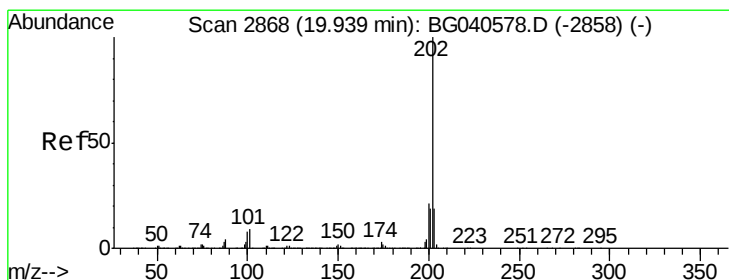
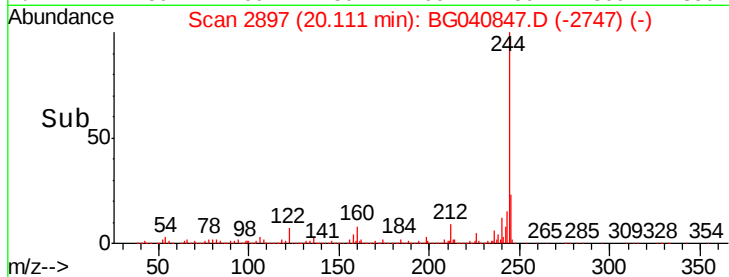
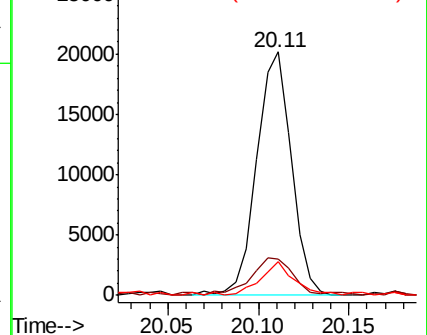
Ion	Ratio	Lower	Upper
184	100		
185	14.8	11.8	17.8
183	14.1	10.2	15.2



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 20.551 ng

RT: 19.92 min Scan# 2865

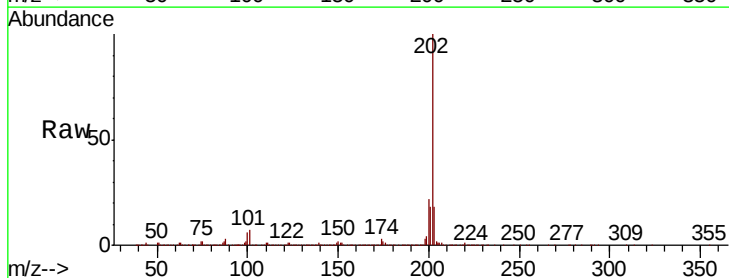
Delta R.T. -0.02 min

Lab File: BG040847.D

Acq: 10 May 2019 12:11

Tgt Ion:202 Resp: 562836

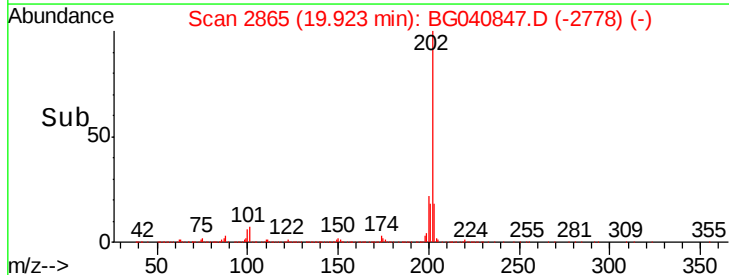
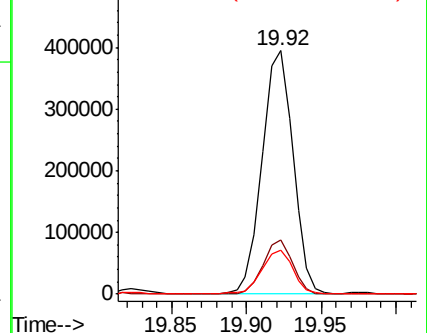
Ion	Ratio	Lower	Upper
202	100		
200	22.3	17.2	25.8
203	18.3	15.0	22.4

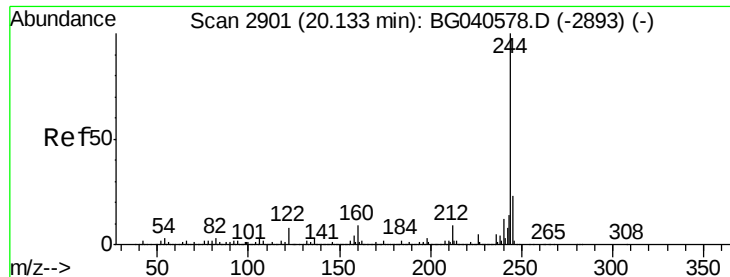


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 77.104 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040847.D

Acq: 10 May 2019 12:11

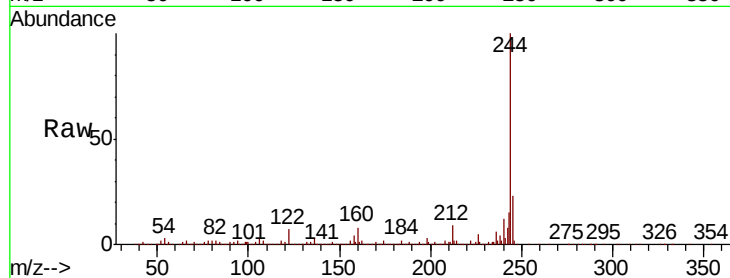
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1520777

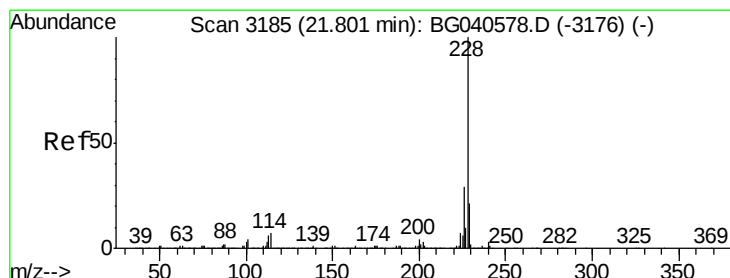
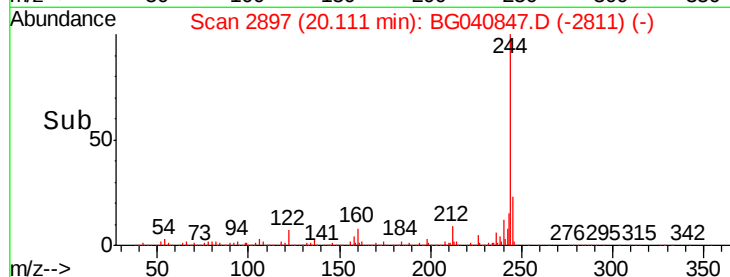
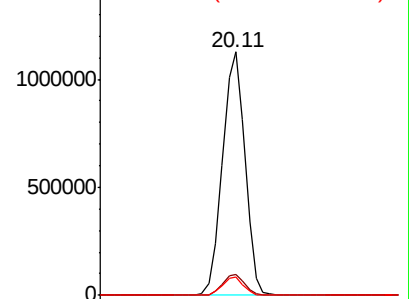
Ion	Ratio	Lower	Upper
244	100		
212	8.7	7.2	10.8
122	7.3	6.6	10.0



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: 7.041 ng

RT: 21.78 min Scan# 3181

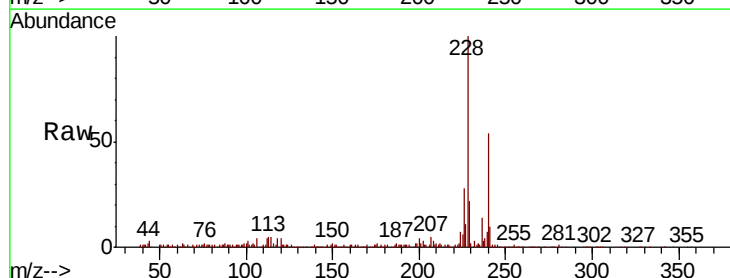
Delta R.T. -0.02 min

Lab File: BG040847.D

Acq: 10 May 2019 12:11

Tgt Ion:228 Resp: 194434

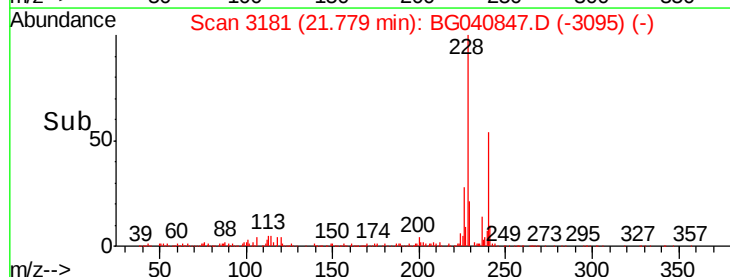
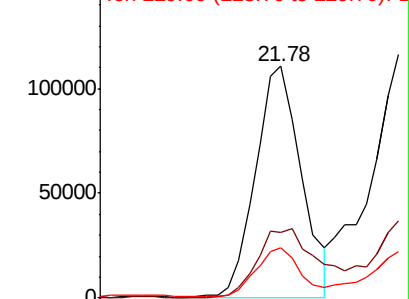
Ion	Ratio	Lower	Upper
228	100		
226	28.4	23.1	34.7
229	22.0	17.0	25.4

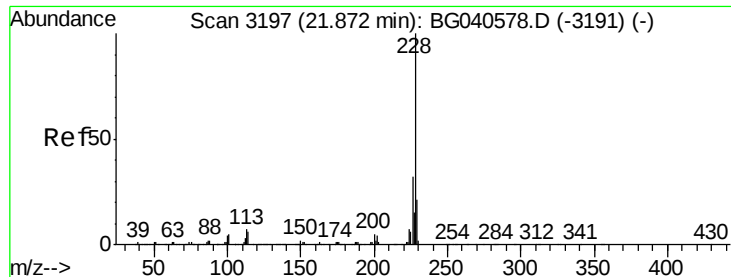


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

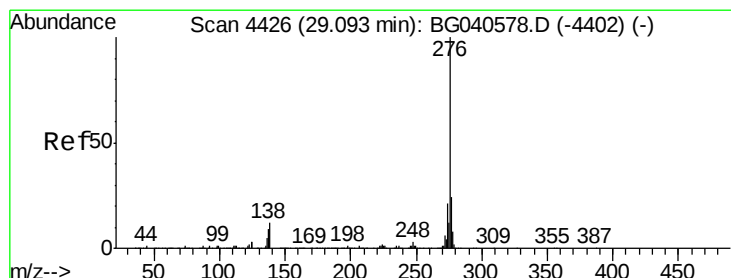
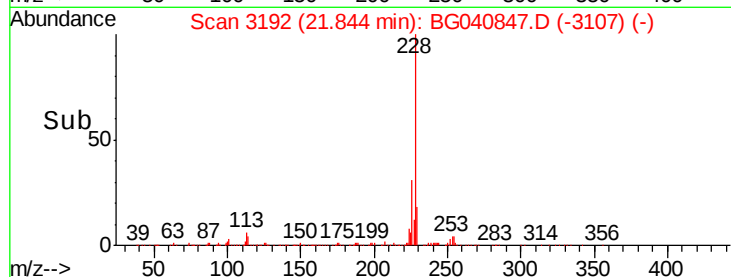
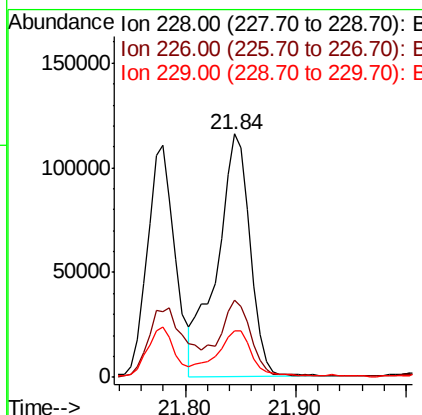
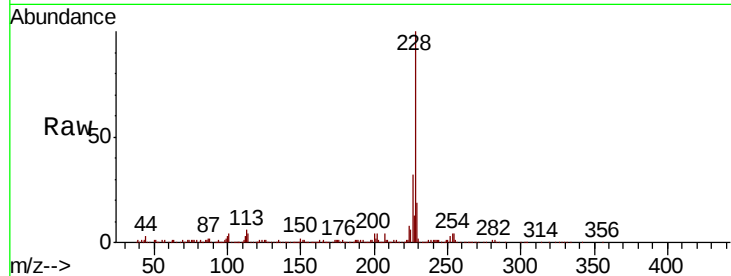




#83
Chrysene
Concen: 9.182 ng
RT: 21.84 min Scan# 3192
Delta R.T. -0.03 min
Lab File: BG040847.D
Acq: 10 May 2019 12:11

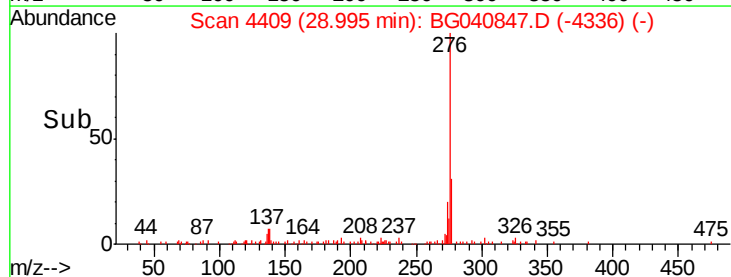
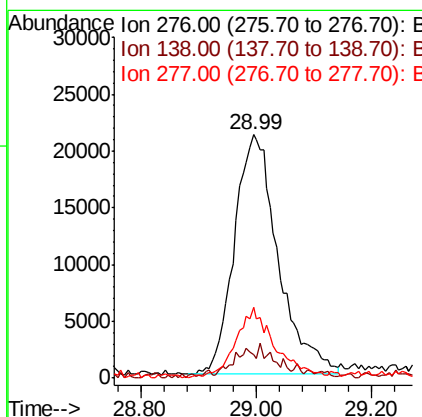
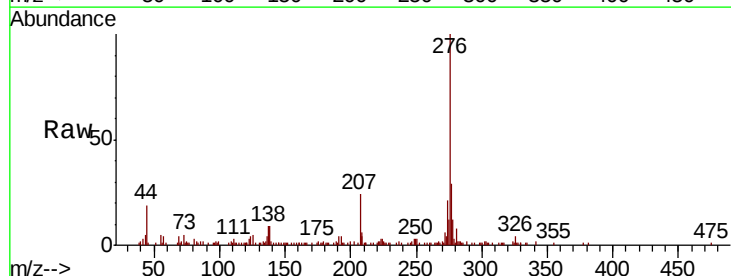
Instrument :
BNA_G
ClientSampleId :

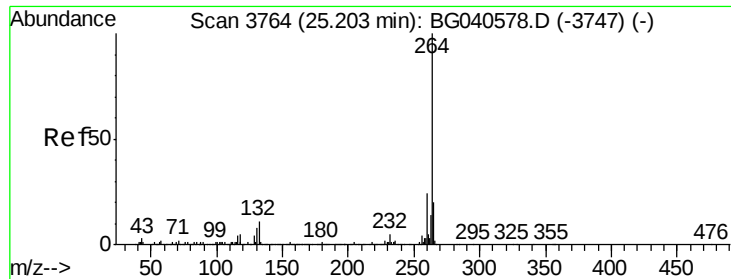
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.6	25.5	38.3
229	19.3	16.8	25.2



#86
Indeno(1,2,3-cd)pyrene
Concen: 3.517 ng
RT: 28.99 min Scan# 4409
Delta R.T. -0.10 min
Lab File: BG040847.D
Acq: 10 May 2019 12:11

Tgt Ion	Ratio	Lower	Upper
276	100		
138	5.2	9.8	14.6#
277	26.4	17.3	25.9#





#87

Pervlene-d12

Concen: 20.000 ng

RT: 25.15 min Scan# 3755

Delta R.T. -0.05 min

Lab File: BG040847.D

Acq: 10 May 2019 12:11

Instrument :

BNA_G

ClientSampleId :

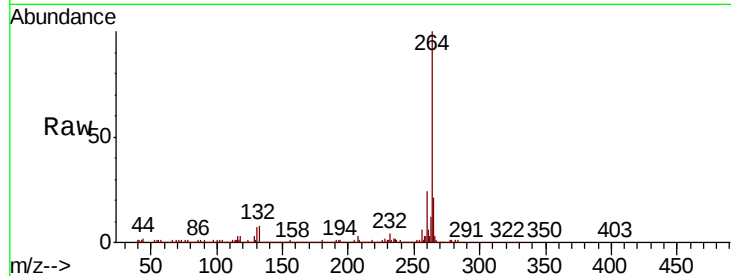
Tot Ion:264 Resp: 468434

Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

265 21.4 16.6 25.0

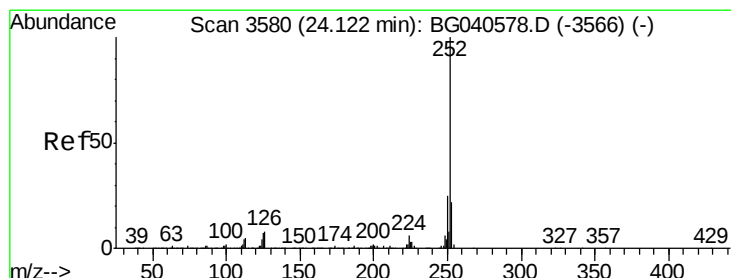
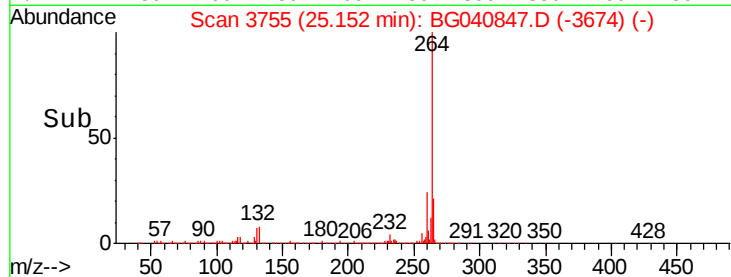
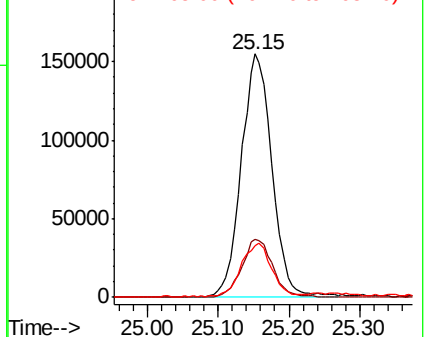


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 8.126 ng

RT: 24.09 min Scan# 3574

Delta R.T. -0.03 min

Lab File: BG040847.D

Acq: 10 May 2019 12:11

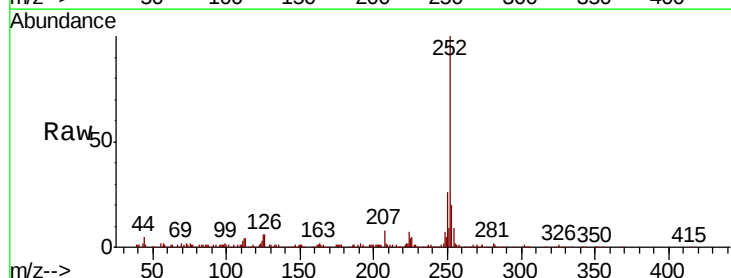
Tgt Ion:252 Resp: 232621

Ion Ratio Lower Upper

252 100

253 19.9 17.6 26.4

125 6.0 5.4 8.0

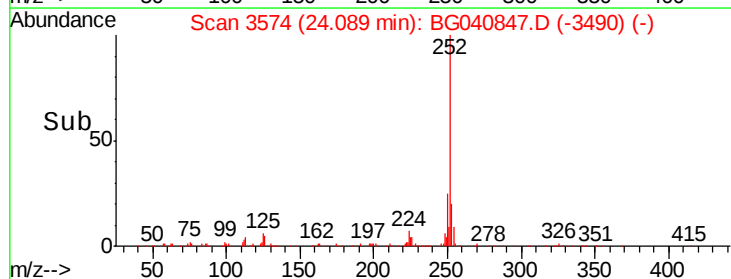
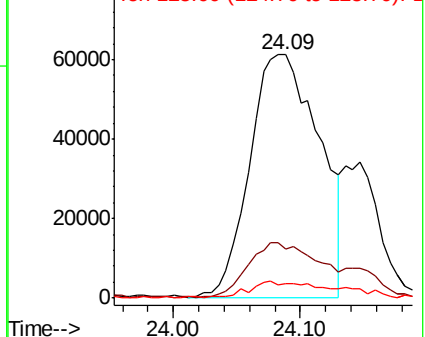


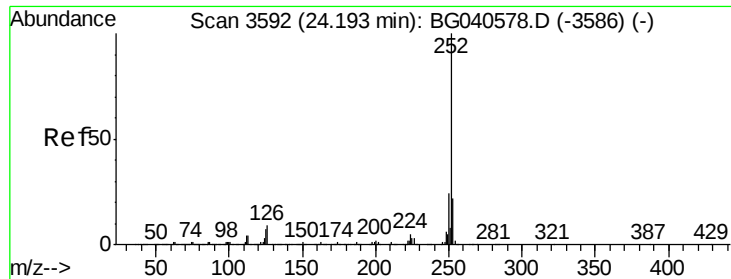
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 8.702 ng

RT: 24.09 min Scan# 3574

Delta R.T. -0.10 min

Lab File: BG040847.D

Acq: 10 May 2019 12:11

Instrument :

BNA_G

ClientSampleId :

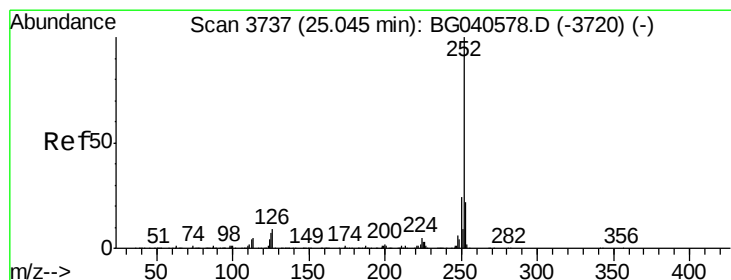
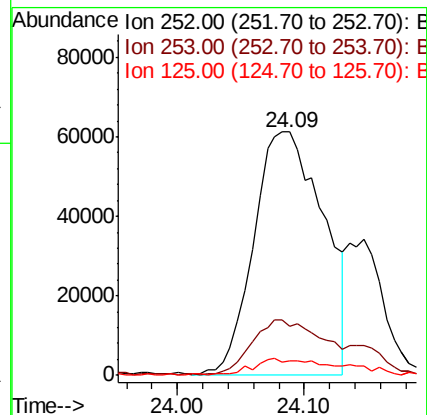
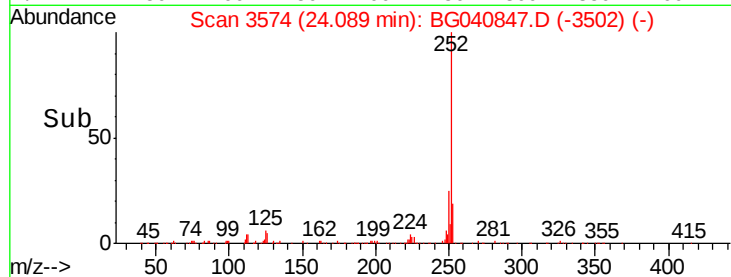
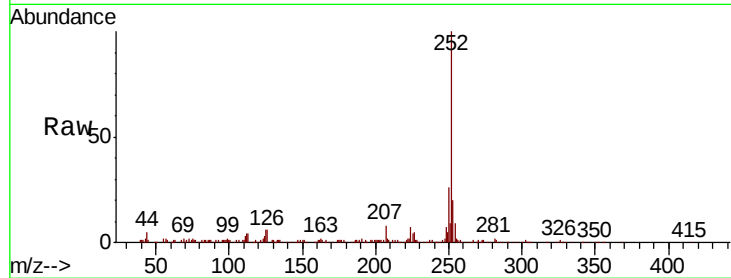
Tot Ion:252 Resp: 232621

Ion Ratio Lower Upper

252 100

253 19.9 17.6 26.4

125 6.0 5.5 8.3



#90

Benzo(a)pyrene

Concen: 6.193 ng

RT: 24.84 min Scan# 3702

Delta R.T. -0.20 min

Lab File: BG040847.D

Acq: 10 May 2019 12:11

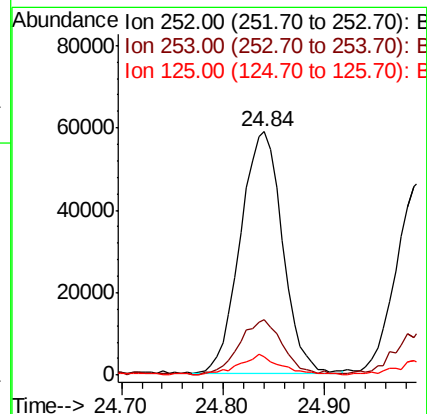
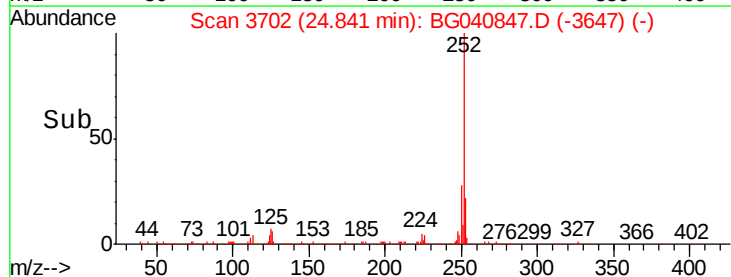
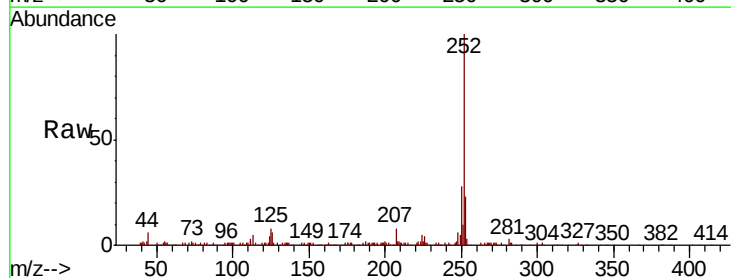
Tgt Ion:252 Resp: 167808

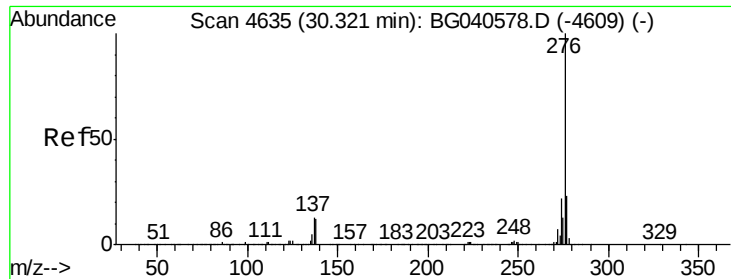
Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.6

125 7.6 5.7 8.5





#92
 Benzo(a,h,i)perylene
 Concen: 4.754 ng
 RT: 30.22 min Scan# 4617
 Delta R.T. -0.10 min
 Lab File: BG040847.D
 Acq: 10 May 2019 12:11

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.4	27.6
138	11.9	9.8	14.6

