

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031720\
 Data File : BG044840.D
 Acq On : 17 Mar 2020 19:50
 Operator : CG/JU
 Sample : L1912-09
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 18 11:45:37 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 16 17:37:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	108105	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	447824	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	289348	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	589091	20.00	ng	0.00
76) Chrysene-d12	21.69	240	501792	20.00	ng	0.00
87) Perylene-d12	24.90	264	564335	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.62	112	673603	97.00	ng	0.00
7) Phenol-d6	7.20	99	974107	96.54	ng	0.00
23) Nitrobenzene-d5	9.20	82	631657	61.89	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	368747	97.33	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	1287499	63.72	ng	0.00
79) Terphenyl-d14	20.04	244	1661349	61.93	ng	0.00

Target Compounds

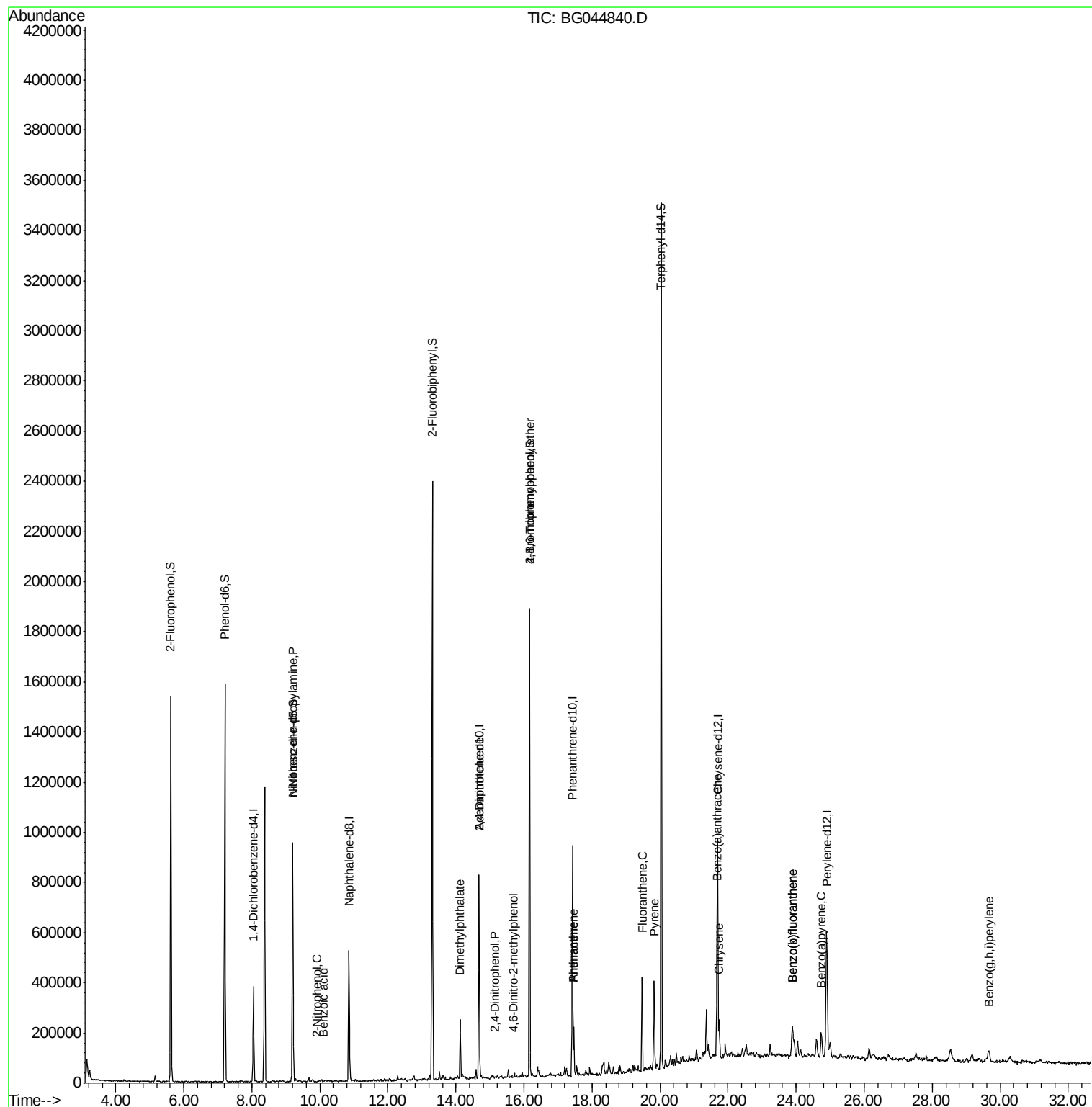
						Qvalue
9) Benzaldehyde	7.20	77	1763	Below Cal	#	21
19) n-Nitroso-di-n-propylamine	9.20	70	85482	11.998 ng	#	72
26) 2-Nitrophenol	9.90	139	57	5.529 ng	#	28
32) Benzoic acid	10.09	122	55	9.678 ng	#	34
50) Dimethylphthalate	14.13	163	149423	6.484 ng		99
54) 2,4-Dinitrophenol	15.14	184	54	8.343 ng	#	19
57) 2,4-Dinitrotoluene	14.68	165	39057	6.131 ng	#	22
65) 4,6-Dinitro-2-methylphenol	15.69	198	53	7.744 ng	#	1
67) 4-Bromophenyl-phenylether	16.16	248	24460	3.321 ng	#	1
71) Phenanthrene	17.46	178	113190	3.596 ng		99
72) Anthracene	17.46	178	113190	3.646 ng		98
75) Fluoranthene	19.47	202	232839	6.212 ng		95
78) Pyrene	19.83	202	217582	5.910 ng		98
81) Benzo(a)anthracene	21.67	228	121689	3.368 ng		97
83) Chrysene	21.74	228	111979	3.244 ng		96
88) Benzo(b)fluoranthene	23.88	252	148432	3.984 ng		97
89) Benzo(k)fluoranthene	23.88	252	148432	4.210 ng		96
90) Benzo(a)pyrene	24.75	252	116138	3.331 ng		99
92) Benzo(a,h,i)perylene	29.67	276	73177	2.106 ng	#	92

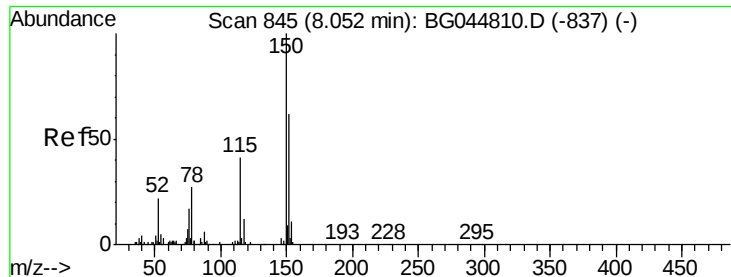
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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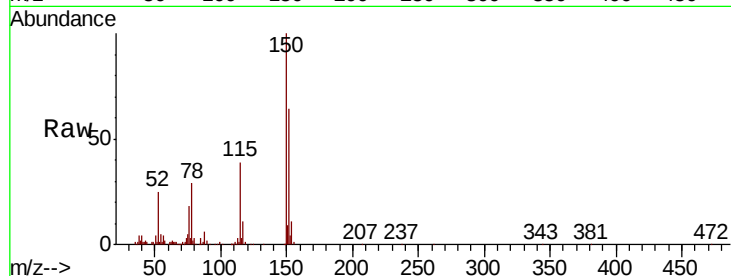


#1

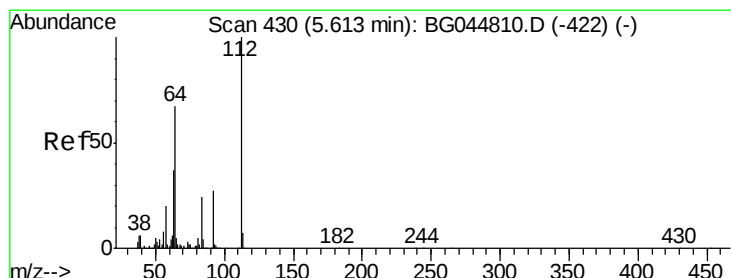
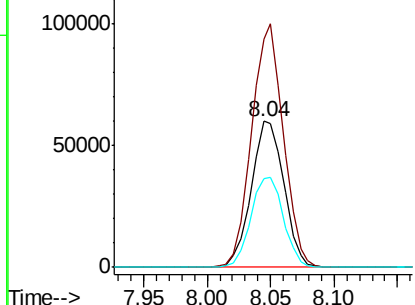
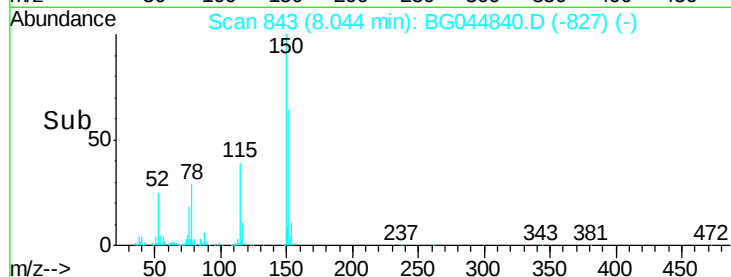
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.01 min
Lab File: BG044840.D
Acq: 17 Mar 2020 19:50

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	128.8	193.2
115	60.9	52.6	79.0



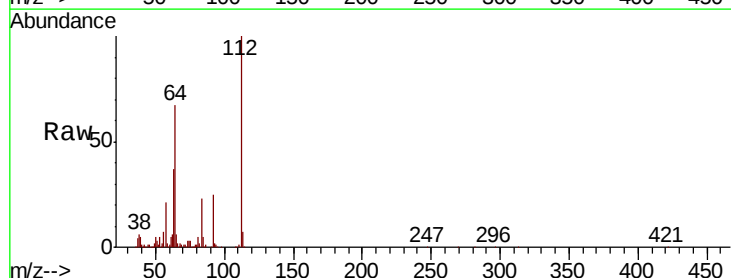
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



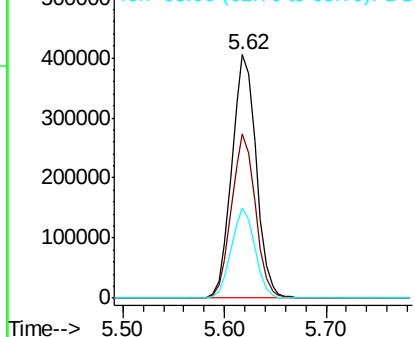
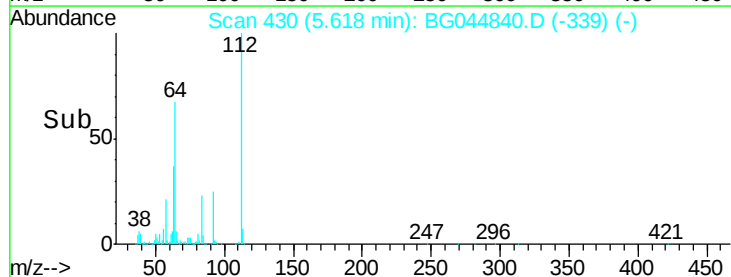
#5

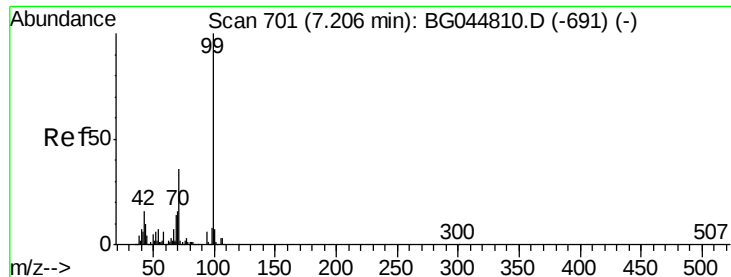
2-Fluorophenol
Concen: 96.998 ng
RT: 5.62 min Scan# 430
Delta R.T. 0.00 min
Lab File: BG044840.D
Acq: 17 Mar 2020 19:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.3	53.4	80.2
63	36.8	29.4	44.2



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: 96.543 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG044840.D

Acq: 17 Mar 2020 19:50

Instrument :

BNA_N

ClientSampleId :

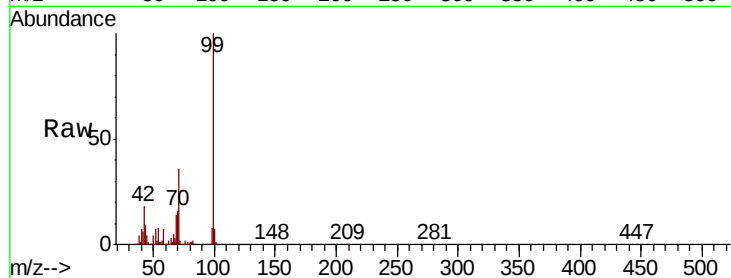
Tot Ion: 99 Resp: 974107

Ion Ratio Lower Upper

99 100

42 17.8 12.6 19.0

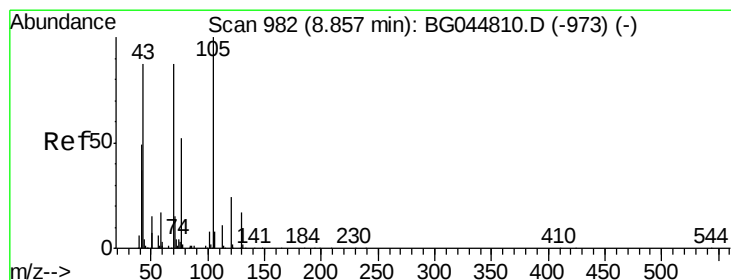
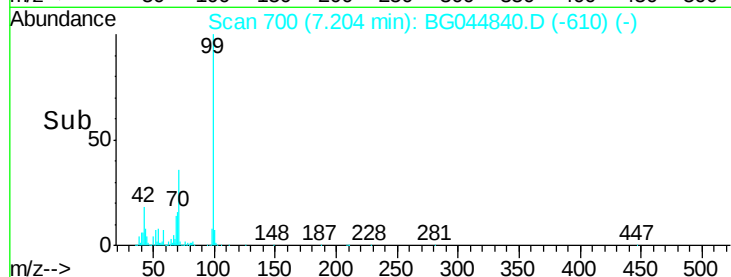
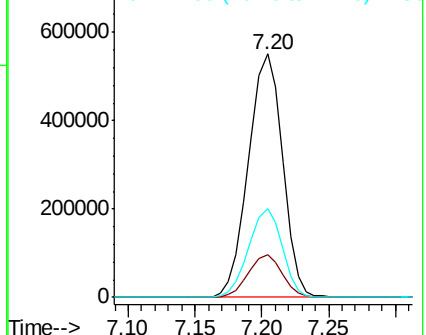
71 36.2 29.0 43.4



Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 11.998 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.35 min

Lab File: BG044840.D

Acq: 17 Mar 2020 19:50

Tgt Ion: 70 Resp: 85482

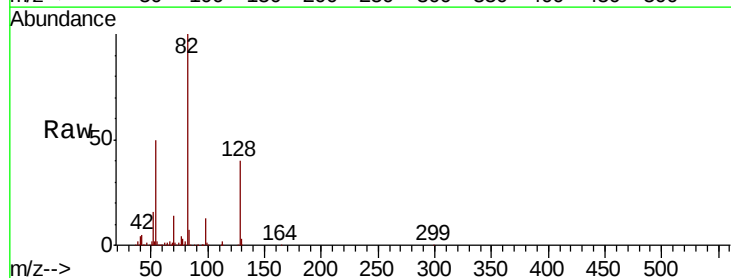
Ion Ratio Lower Upper

70 100

42 39.4 45.7 68.5#

101 0.0 7.4 11.2#

130 1.7 15.9 23.9#

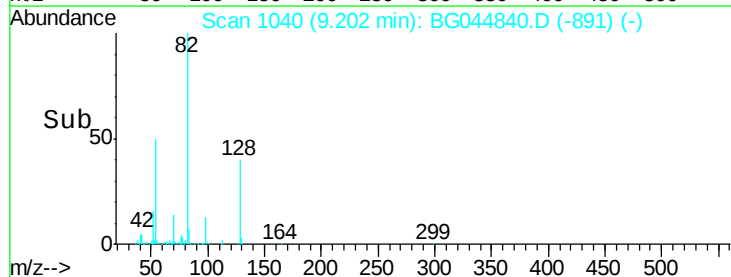
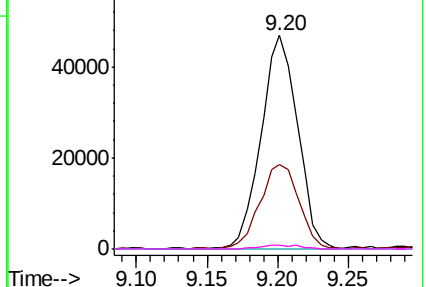


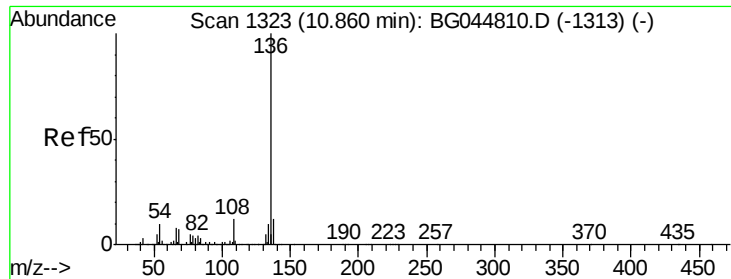
Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.85 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BG044840.D

Acq: 17 Mar 2020 19:50

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 447824

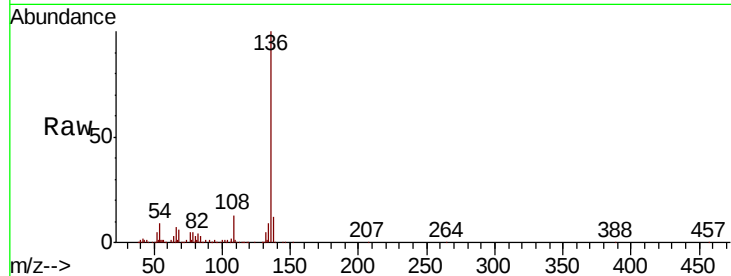
Ion Ratio Lower Upper

136 100

137 12.0 9.8 14.6

54 8.5 7.9 11.9

68 6.3 5.4 8.0

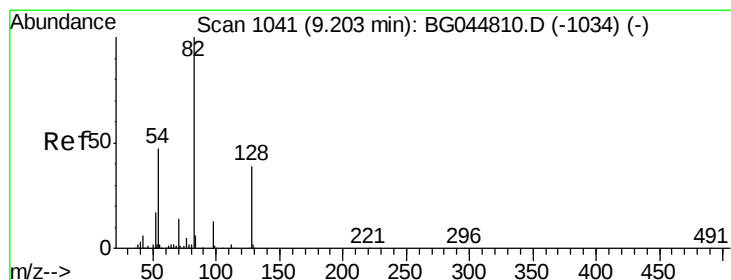
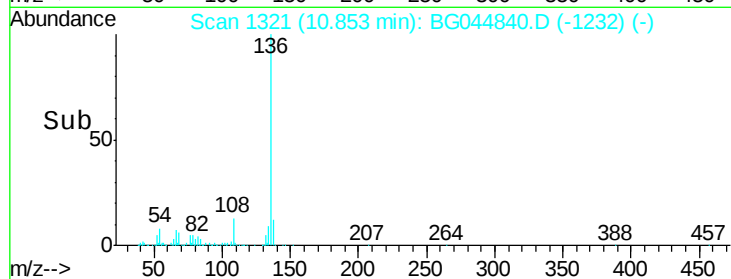
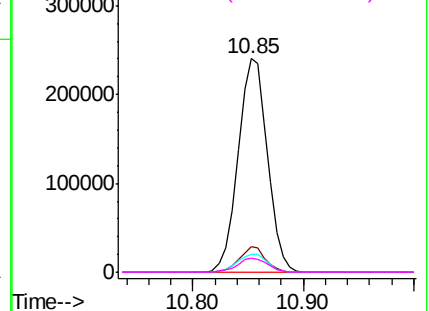


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 61.895 ng

RT: 9.20 min Scan# 1040

Delta R.T. -0.00 min

Lab File: BG044840.D

Acq: 17 Mar 2020 19:50

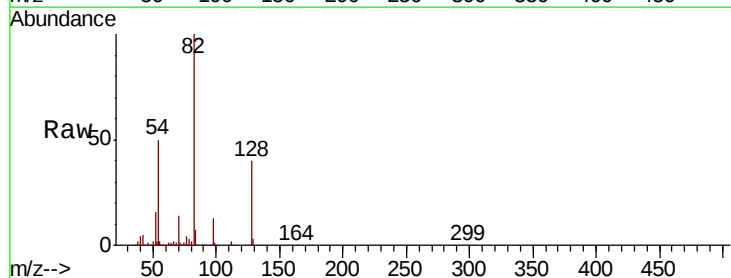
Tgt Ion: 82 Resp: 631657

Ion Ratio Lower Upper

82 100

128 39.7 30.6 46.0

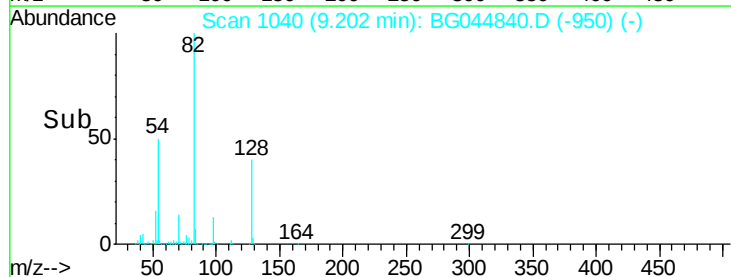
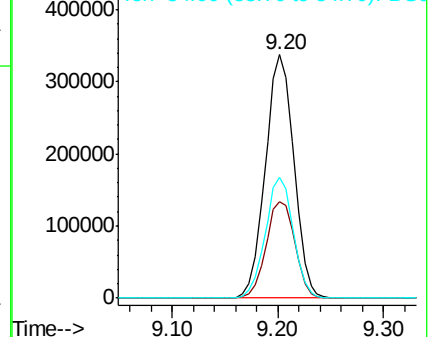
54 49.8 37.1 55.7

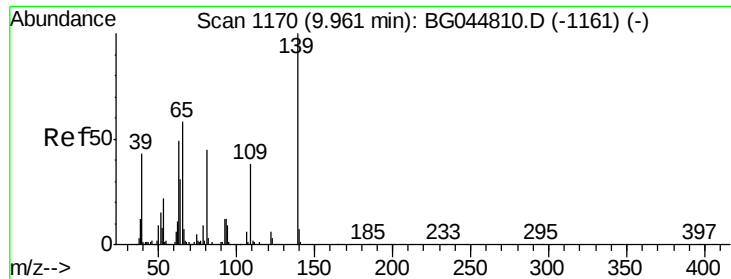


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

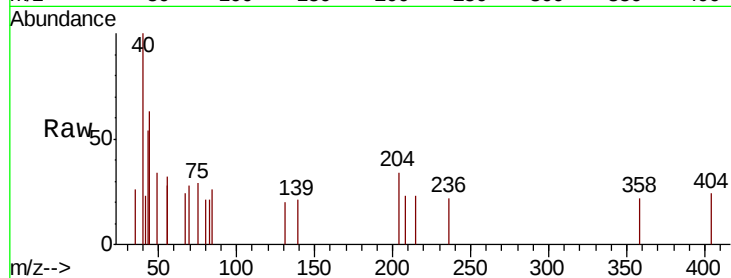




#26
2-Nitrophenol
Concen: 5.529 ng
RT: 9.90 min Scan# 1159
Delta R.T. -0.06 min
Lab File: BG044840.D
Acq: 17 Mar 2020 19:50

Instrument :
BNA_N
ClientSampleId :

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

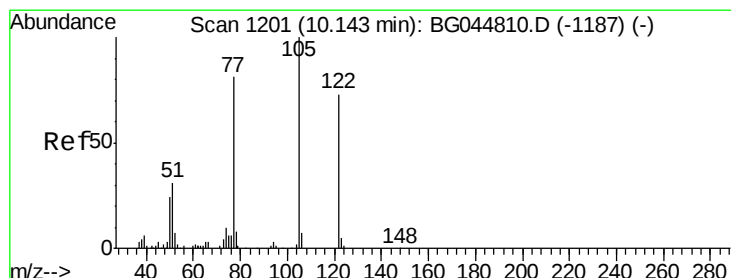
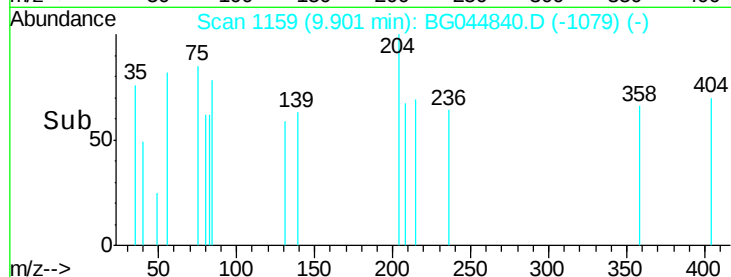
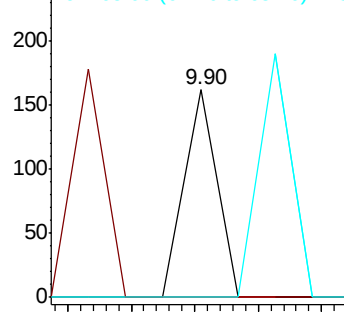


Abundance

Ion 139.00 (138.70 to 139.70): E

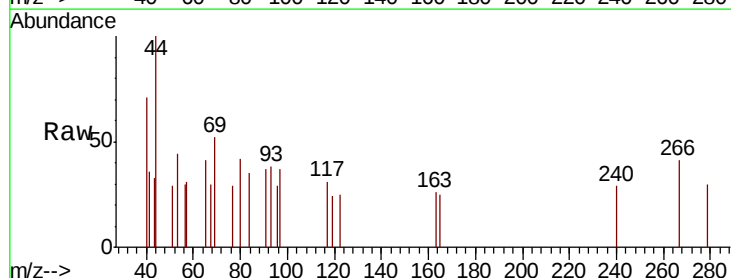
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#32
Benzoic acid
Concen: 9.678 ng
RT: 10.09 min Scan# 1191
Delta R.T. -0.05 min
Lab File: BG044840.D
Acq: 17 Mar 2020 19:50

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	109.1	149.1#
77	116.8	85.3	125.3

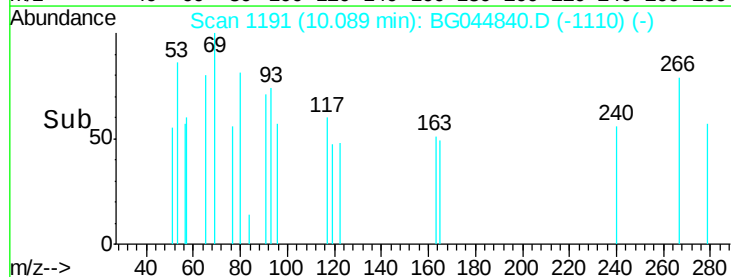
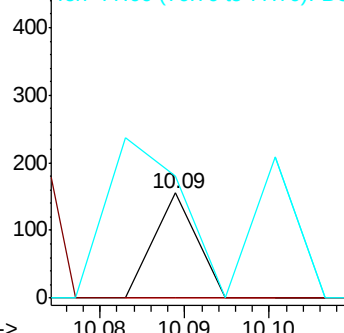


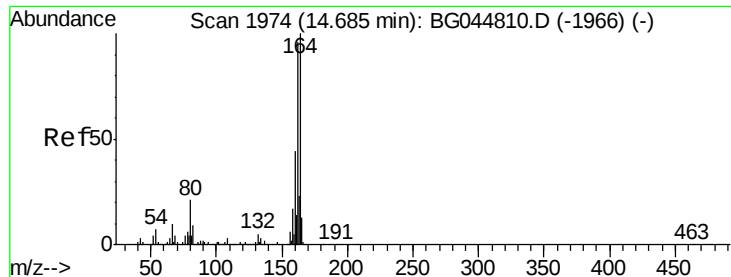
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1972

Delta R.T. -0.01 min

Lab File: BG044840.D

Acq: 17 Mar 2020 19:50

Instrument :

BNA_N

ClientSampleId :

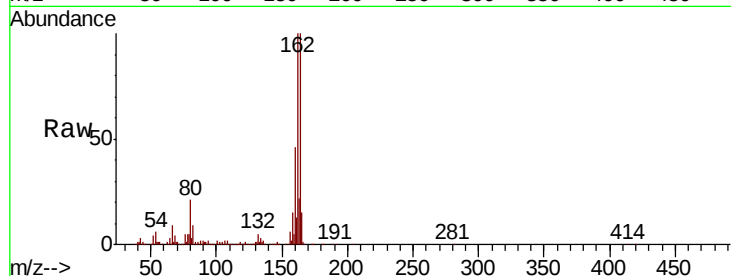
Tot Ion:164 Resp: 289348

Ion Ratio Lower Upper

164 100

162 99.7 76.7 115.1

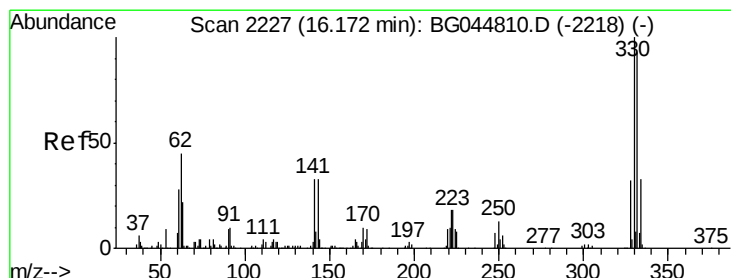
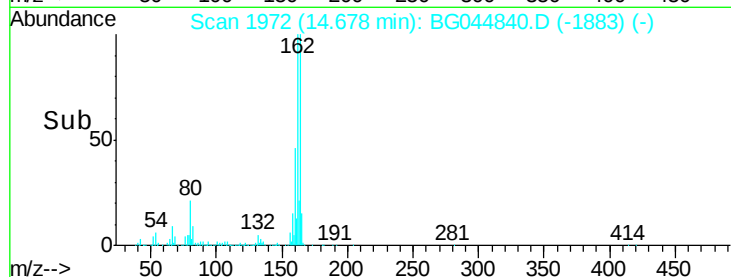
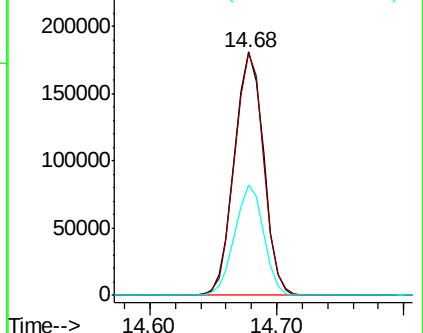
160 45.5 35.0 52.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 97.331 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BG044840.D

Acq: 17 Mar 2020 19:50

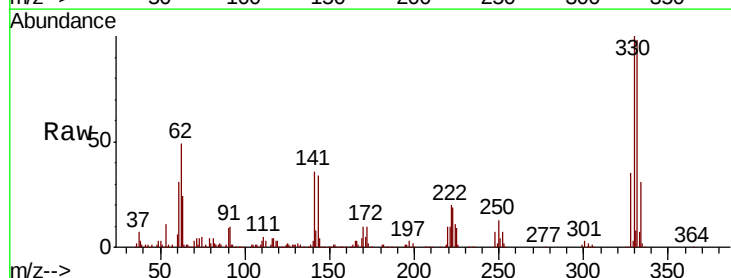
Tgt Ion:330 Resp: 368747

Ion Ratio Lower Upper

330 100

332 97.0 77.8 116.6

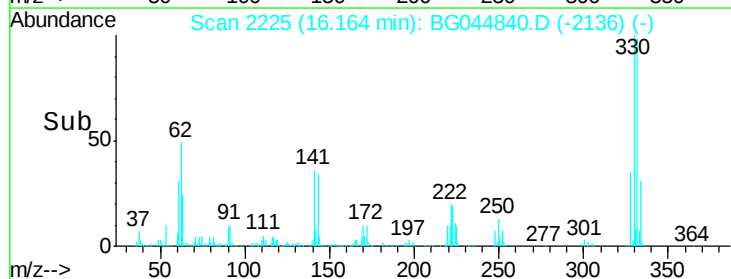
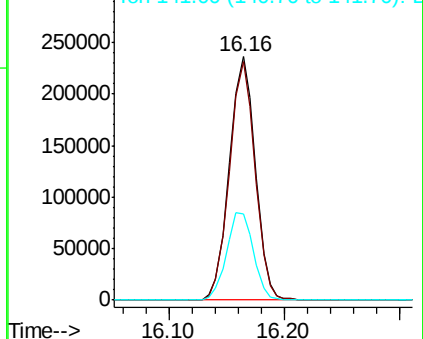
141 37.5 29.5 44.3

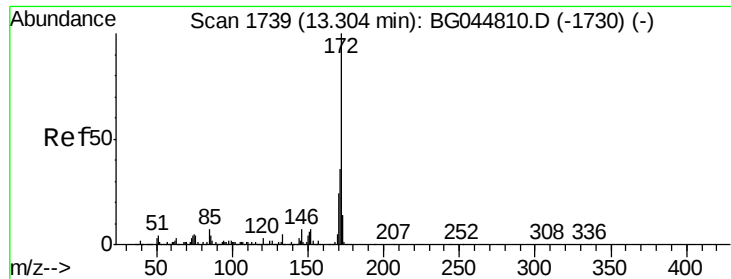


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

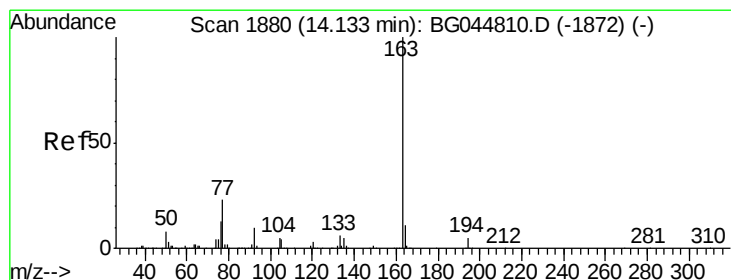
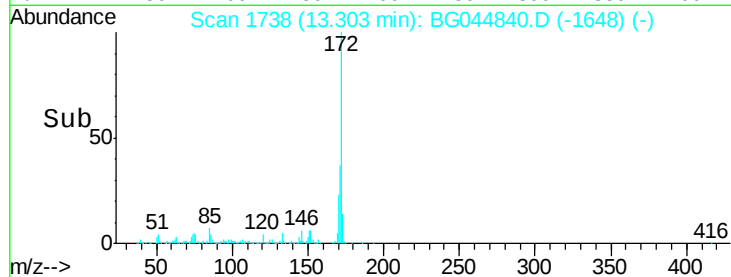
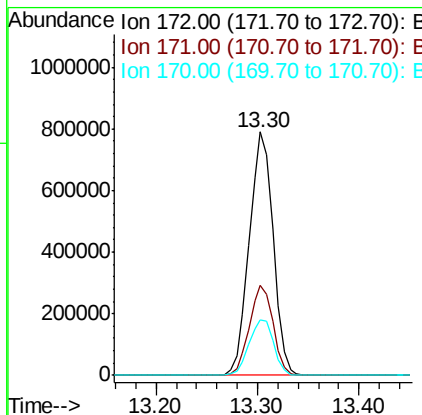
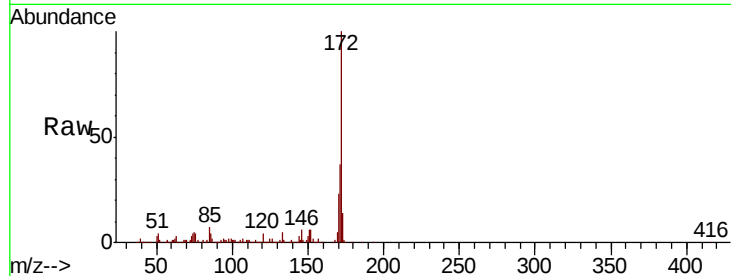




#45
 2-Fluorobiphenyl
 Concen: 63.721 ng
 RT: 13.30 min Scan# 1738
 Delta R.T. -0.00 min
 Lab File: BG044840.D
 Acq: 17 Mar 2020 19:50

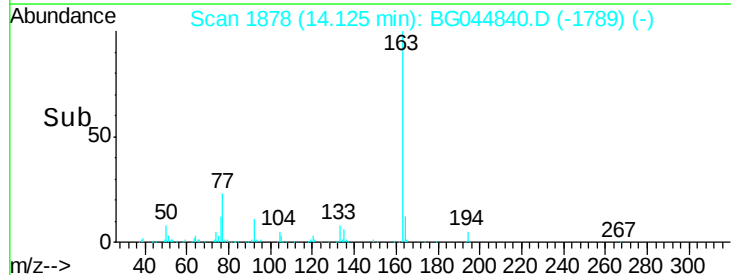
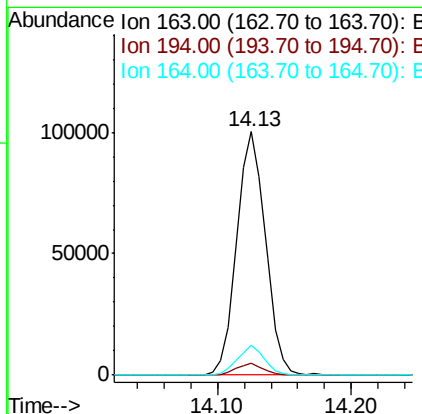
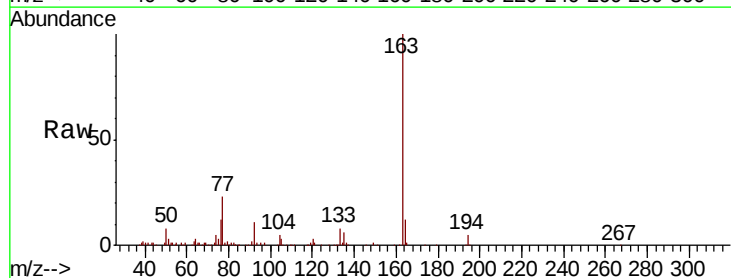
Instrument :
 BNA_N
 ClientSampleId :

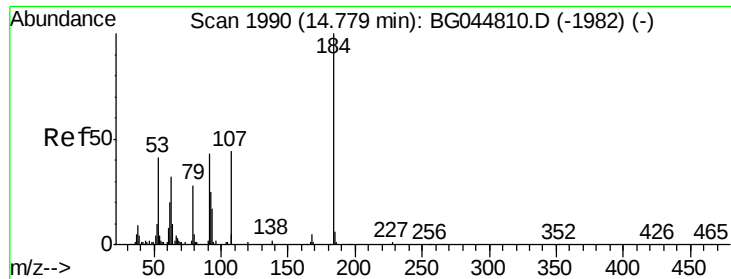
Tot Ion:172 Resp: 1287499
 Ion Ratio Lower Upper
 172 100
 171 36.8 28.7 43.1
 170 23.0 19.0 28.6



#50
 Dimethylphthalate
 Concen: 6.484 ng
 RT: 14.13 min Scan# 1878
 Delta R.T. -0.01 min
 Lab File: BG044840.D
 Acq: 17 Mar 2020 19:50

Tgt Ion:163 Resp: 149423
 Ion Ratio Lower Upper
 163 100
 194 4.7 3.7 5.5
 164 12.0 9.1 13.7

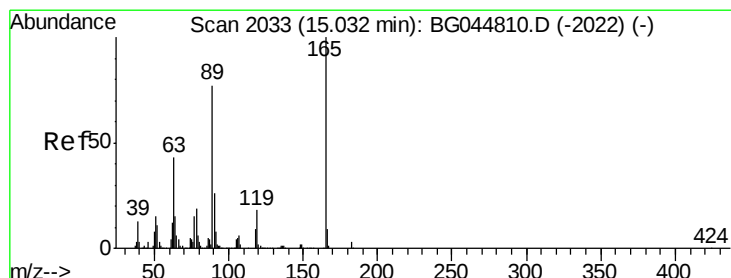
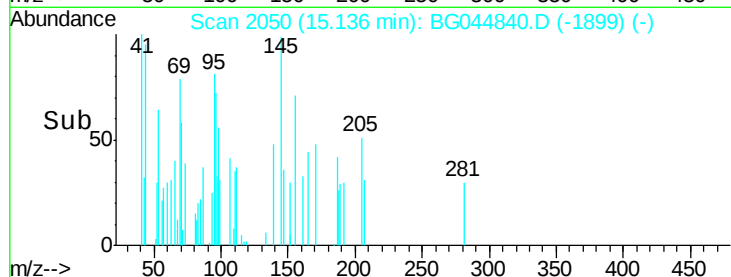
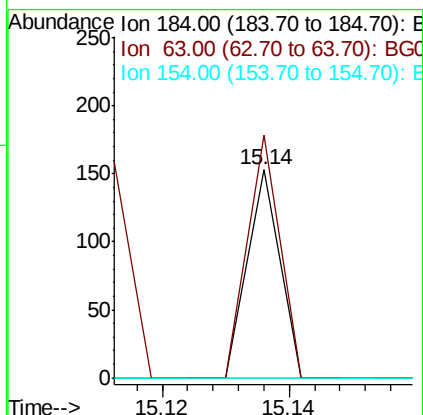
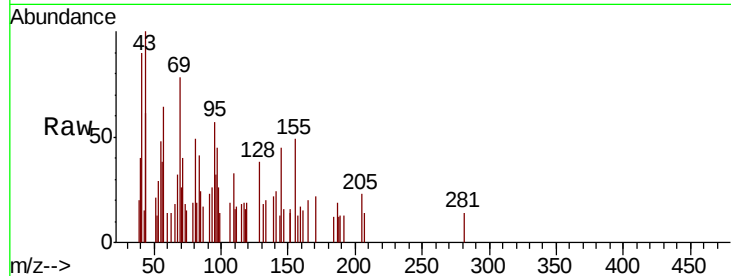




#54
2,4-Dinitrophenol
Concen: 8.343 ng
RT: 15.14 min Scan# 2050
Delta R.T. 0.36 min
Lab File: BG044840.D
Acq: 17 Mar 2020 19:50

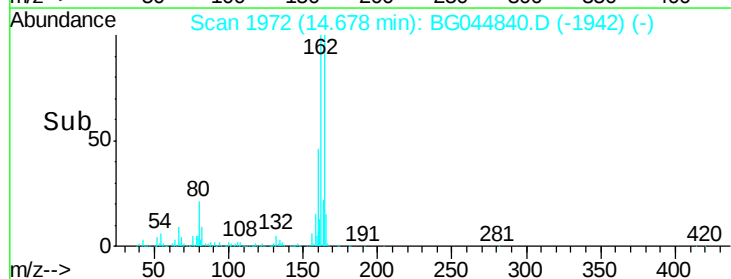
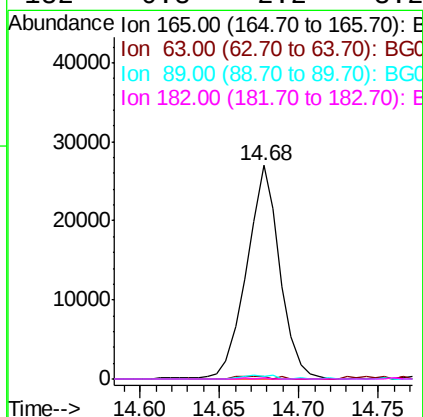
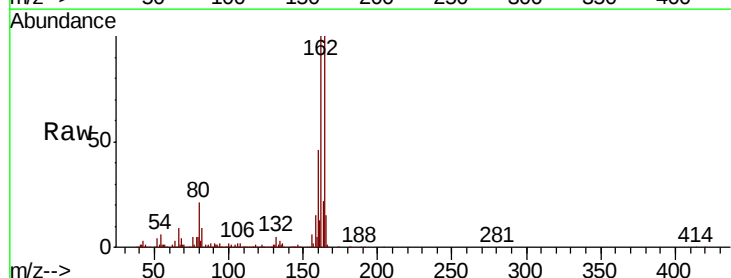
Instrument :
BNA_N
ClientSampleId :

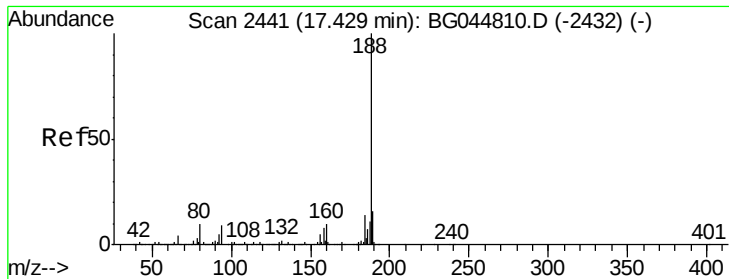
Tot Ion:184 Resp: 54
Ion Ratio Lower Upper
184 100
63 117.0 45.5 68.3#
154 0.0 49.1 73.7#



#57
2,4-Dinitrotoluene
Concen: 6.131 ng
RT: 14.68 min Scan# 1972
Delta R.T. -0.35 min
Lab File: BG044840.D
Acq: 17 Mar 2020 19:50

Tgt Ion:165 Resp: 39057
Ion Ratio Lower Upper
165 100
63 0.9 34.6 52.0#
89 1.0 61.3 91.9#
182 0.8 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2439

Delta R.T. -0.01 min

Lab File: BG044840.D

Acq: 17 Mar 2020 19:50

Instrument :

BNA_N

ClientSampled :

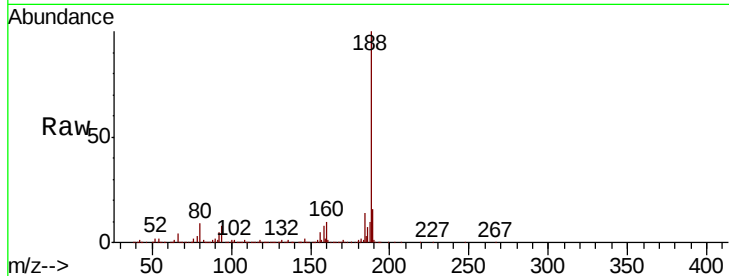
Tot Ion:188 Resp: 589091

Ion Ratio Lower Upper

188 100

94 7.9 7.3 10.9

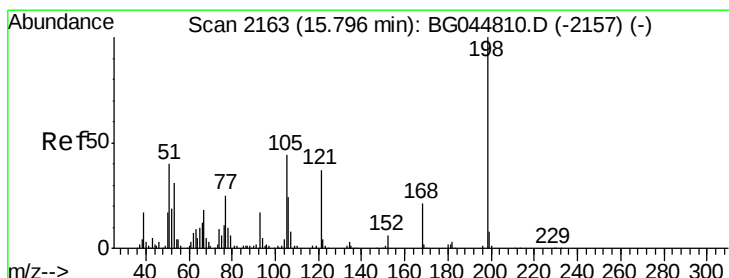
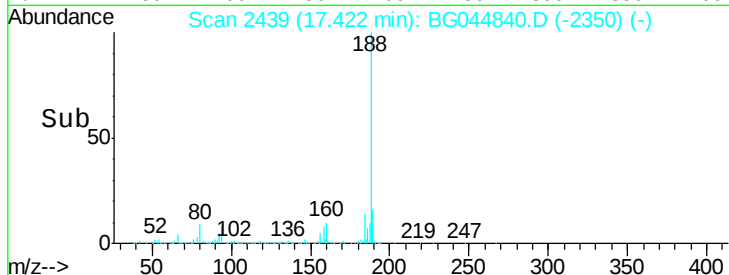
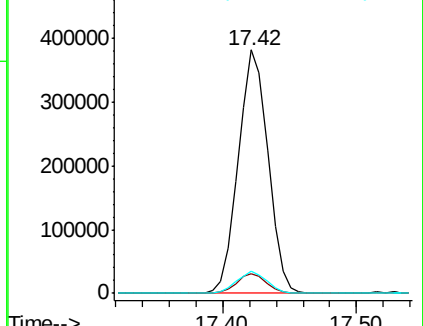
80 9.3 8.0 12.0



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: 7.744 ng

RT: 15.69 min Scan# 2144

Delta R.T. -0.11 min

Lab File: BG044840.D

Acq: 17 Mar 2020 19:50

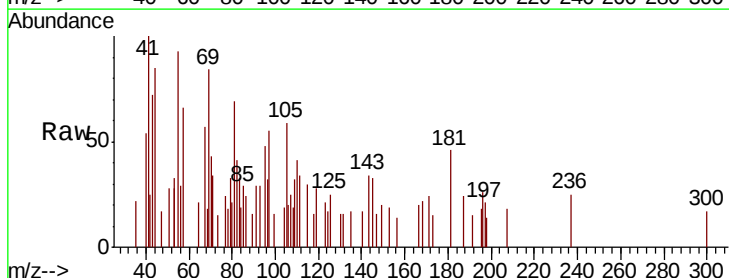
Tgt Ion:198 Resp: 53

Ion Ratio Lower Upper

198 100

51 194.0 21.1 61.1#

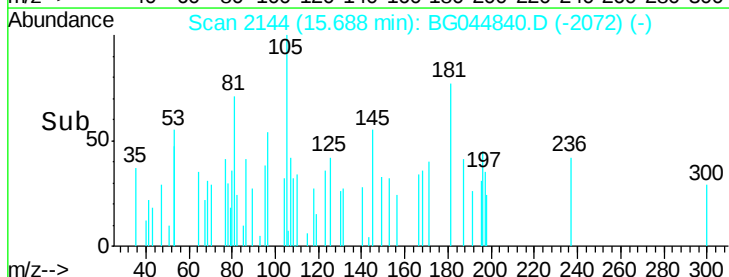
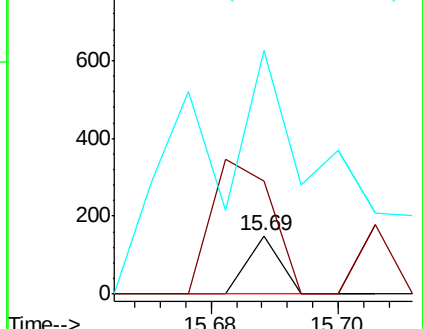
105 417.3 24.5 64.5#

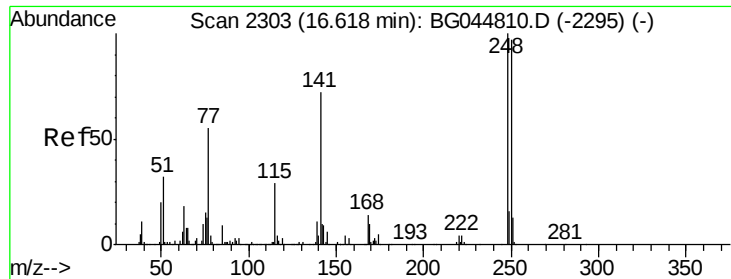


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

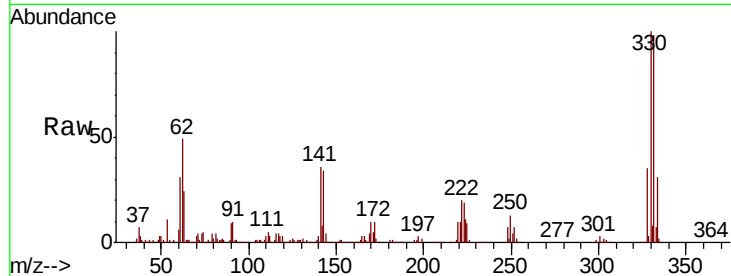




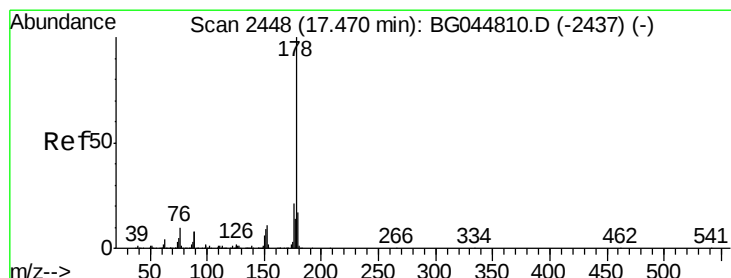
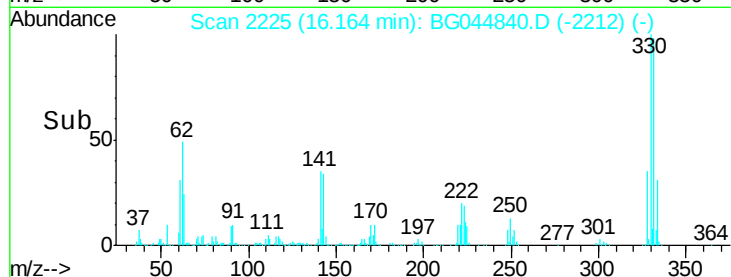
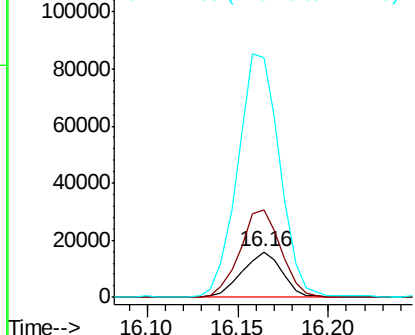
#67
4-Bromophenyl-phenylether
Concen: 3.321 ng
RT: 16.16 min Scan# 2225
Delta R.T. -0.45 min
Lab File: BG044840.D
Acq: 17 Mar 2020 19:50

Instrument :
BNA_N
ClientSampleId :

Tot Ion:248 Resp: 24460
Ion Ratio Lower Upper
248 100
250 193.2 77.9 116.9#
141 526.5 57.5 86.3#

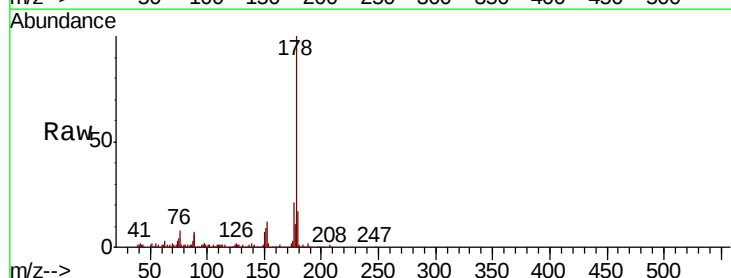


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

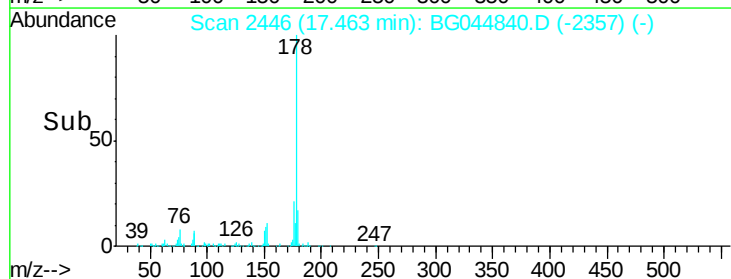
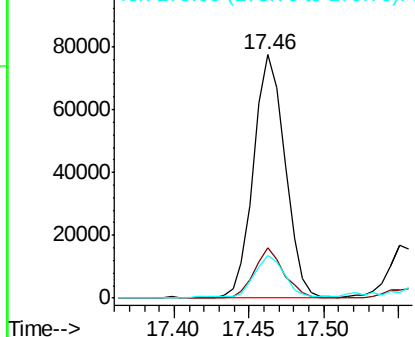


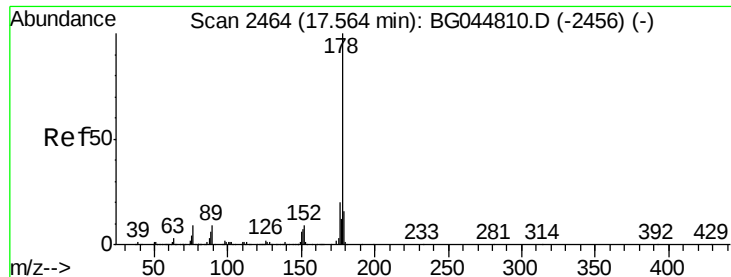
#71
Phenanthrene
Concen: 3.596 ng
RT: 17.46 min Scan# 2446
Delta R.T. -0.01 min
Lab File: BG044840.D
Acq: 17 Mar 2020 19:50

Tgt Ion:178 Resp: 113190
Ion Ratio Lower Upper
178 100
176 20.8 16.6 24.8
179 17.4 13.5 20.3



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: 3.646 ng

RT: 17.46 min Scan# 2446

Delta R.T. -0.10 min

Lab File: BG044840.D

Acq: 17 Mar 2020 19:50

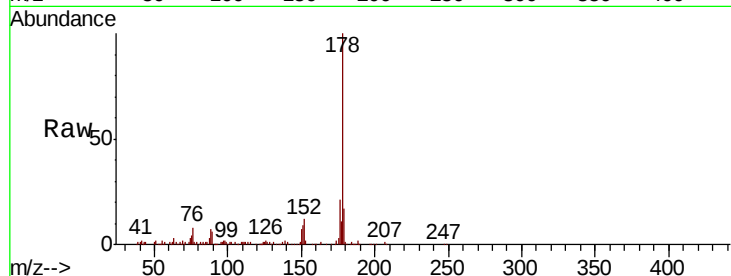
Instrument :

BNA_N

ClientSampleId :

Tot Ion:178 Resp: 113190

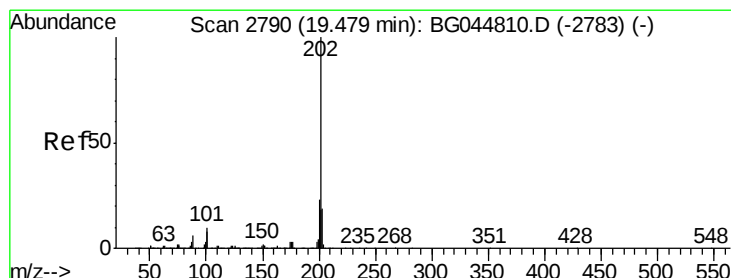
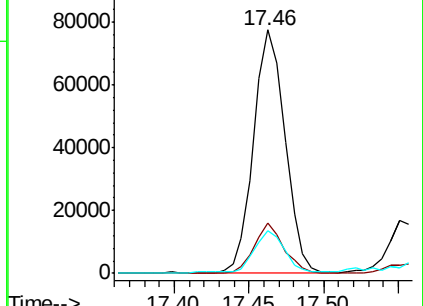
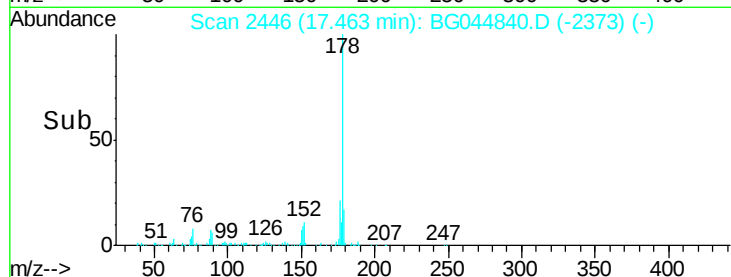
Ion	Ratio	Lower	Upper
178	100		
176	20.8	15.9	23.9
179	17.4	13.2	19.8



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: 6.212 ng

RT: 19.47 min Scan# 2788

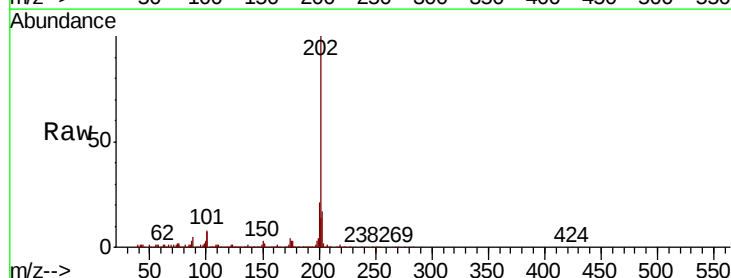
Delta R.T. -0.01 min

Lab File: BG044840.D

Acq: 17 Mar 2020 19:50

Tgt Ion:202 Resp: 232839

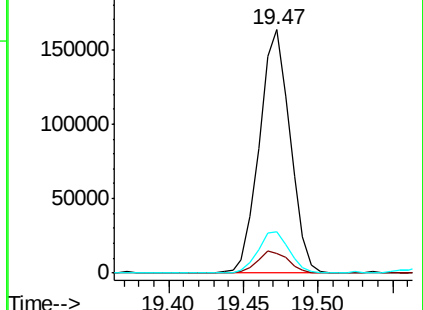
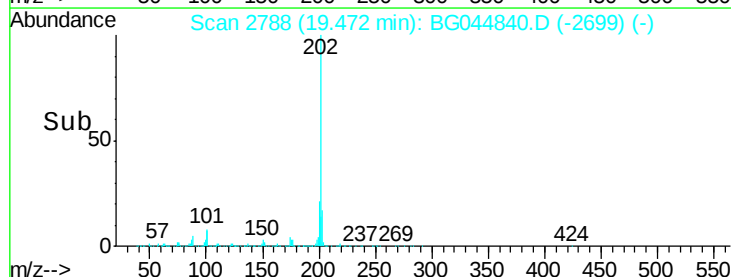
Ion	Ratio	Lower	Upper
202	100		
101	8.2	0.0	29.8
203	17.2	0.0	39.4

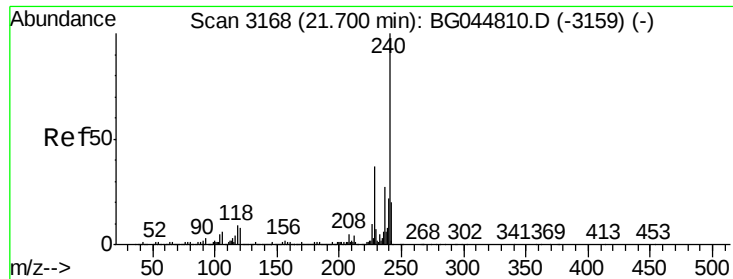


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.69 min Scan# 3166

Delta R.T. -0.01 min

Lab File: BG044840.D

Acq: 17 Mar 2020 19:50

Instrument :

BNA_N

ClientSampleId :

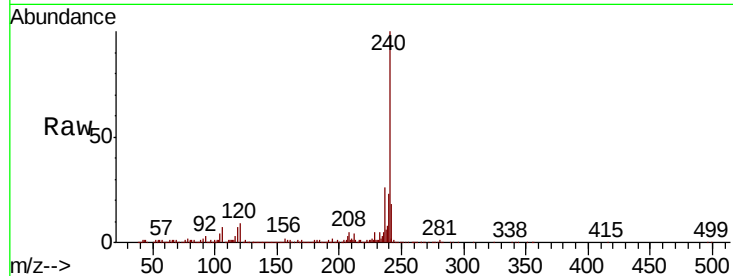
Tot Ion:240 Resp: 501792

Ion Ratio Lower Upper

240 100

120 8.6 6.7 10.1

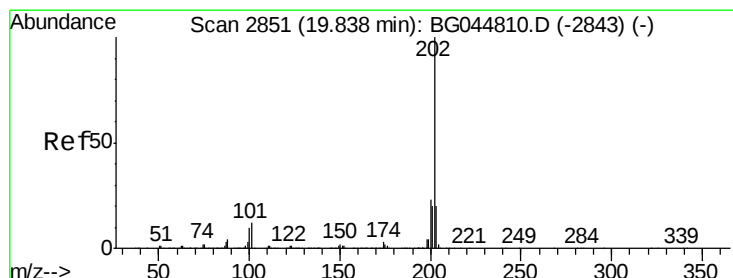
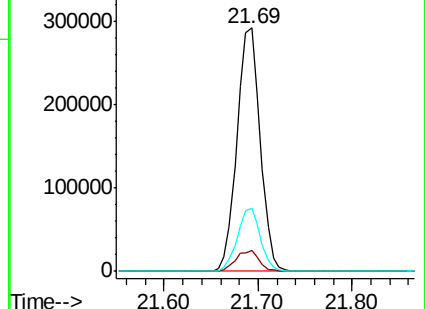
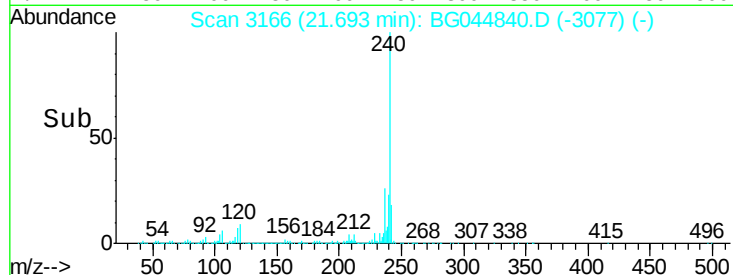
236 25.8 21.5 32.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 5.910 ng

RT: 19.83 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BG044840.D

Acq: 17 Mar 2020 19:50

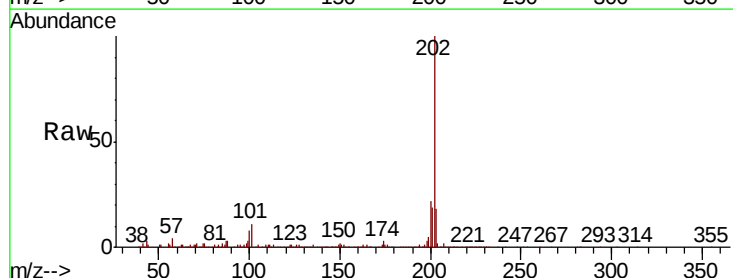
Tgt Ion:202 Resp: 217582

Ion Ratio Lower Upper

202 100

200 22.0 18.3 27.5

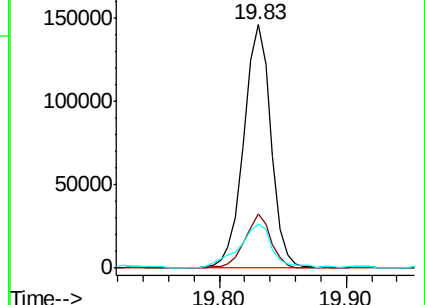
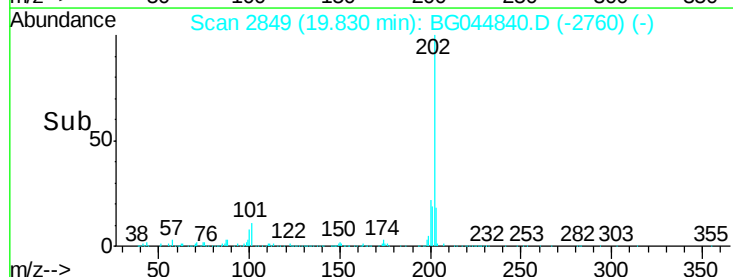
203 18.2 15.6 23.4

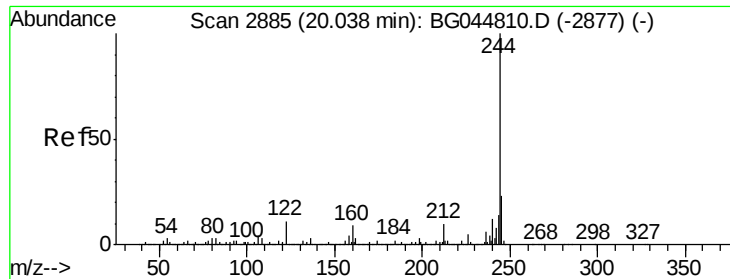


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 61.931 ng

RT: 20.04 min Scan# 2884

Delta R.T. -0.00 min

Lab File: BG044840.D

Acq: 17 Mar 2020 19:50

Instrument :

BNA_N

ClientSampleId :

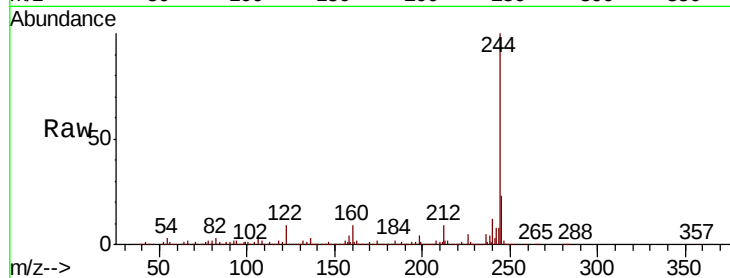
Tot Ion:244 Resp: 1661349

Ion Ratio Lower Upper

244 100

212 9.3 7.7 11.5

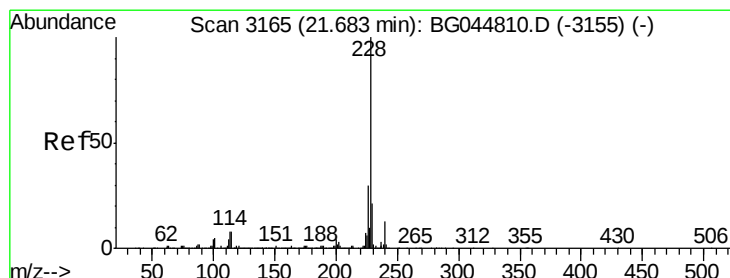
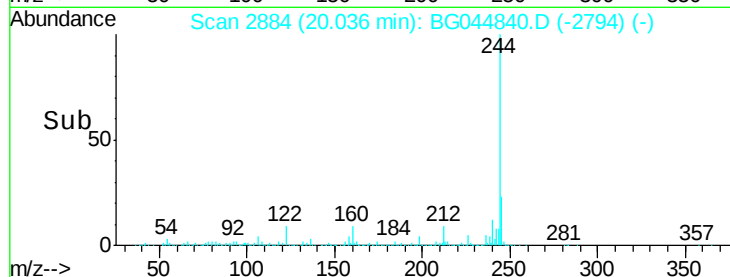
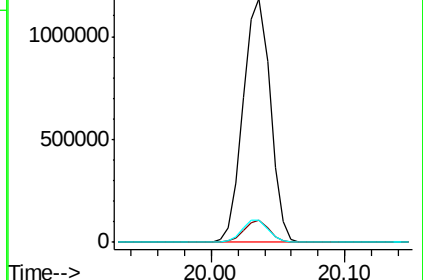
122 9.1 8.6 12.8



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 3.368 ng

RT: 21.67 min Scan# 3162

Delta R.T. -0.01 min

Lab File: BG044840.D

Acq: 17 Mar 2020 19:50

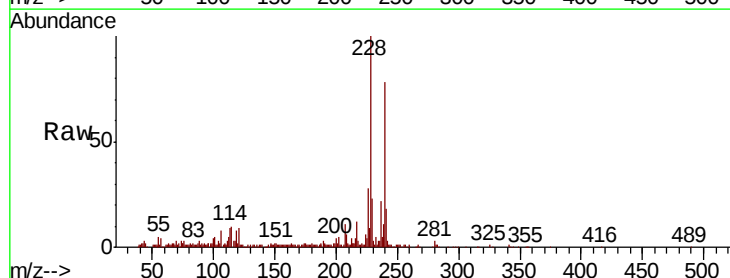
Tgt Ion:228 Resp: 121689

Ion Ratio Lower Upper

228 100

226 27.9 23.6 35.4

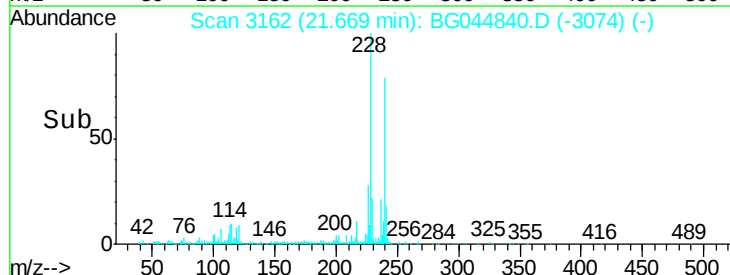
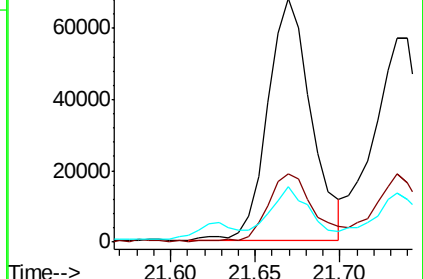
229 22.6 17.1 25.7

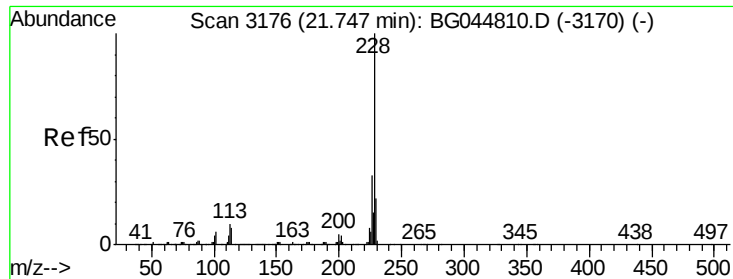


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

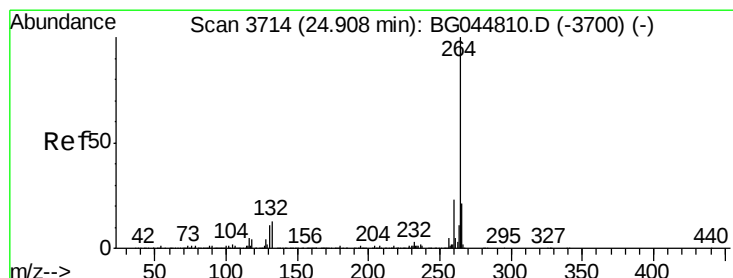
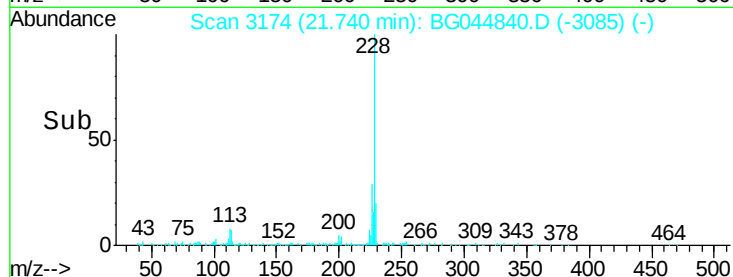
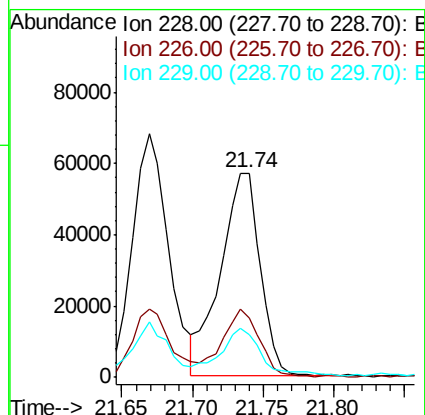
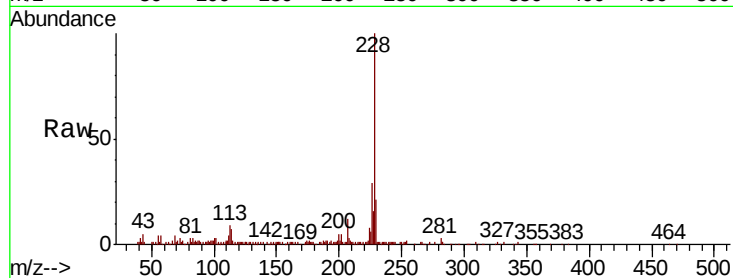




#83
Chrysene
Concen: 3.244 ng
RT: 21.74 min Scan# 3174
Delta R.T. -0.01 min
Lab File: BG044840.D
Acq: 17 Mar 2020 19:50

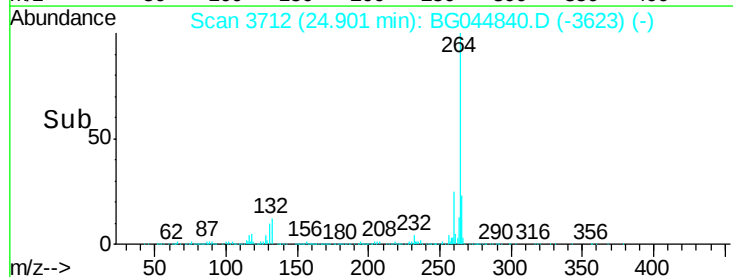
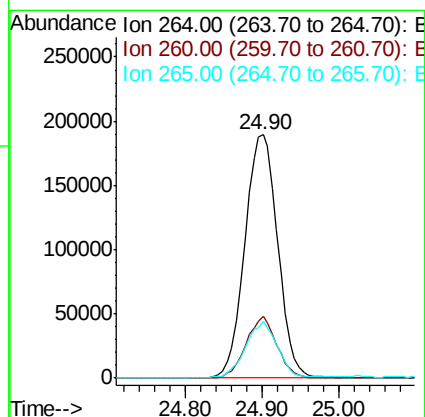
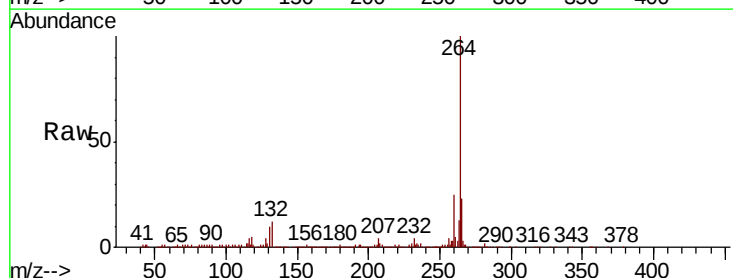
Instrument :
BNA_N
ClientSampleId :

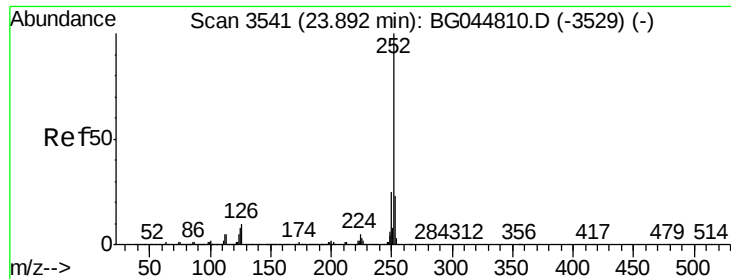
Tot Ion:228 Resp: 111979
Ion Ratio Lower Upper
228 100
226 29.2 25.9 38.9
229 20.9 17.4 26.0



#87
Perylene-d12
Concen: 20.000 ng
RT: 24.90 min Scan# 3712
Delta R.T. -0.01 min
Lab File: BG044840.D
Acq: 17 Mar 2020 19:50

Tgt Ion:264 Resp: 564335
Ion Ratio Lower Upper
264 100
260 25.2 18.1 27.1
265 23.2 17.1 25.7





#88

Benzo(b)fluoranthene

Concen: 3.984 ng

RT: 23.88 min Scan# 3539

Delta R.T. -0.01 min

Lab File: BG044840.D

Acq: 17 Mar 2020 19:50

Instrument :

BNA_N

ClientSampleId :

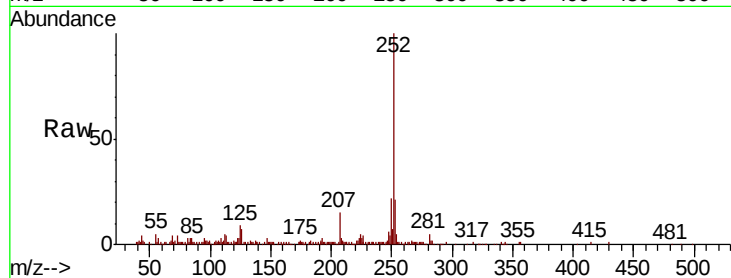
Tot Ion:252 Resp: 148432

Ion Ratio Lower Upper

252 100

253 21.4 18.1 27.1

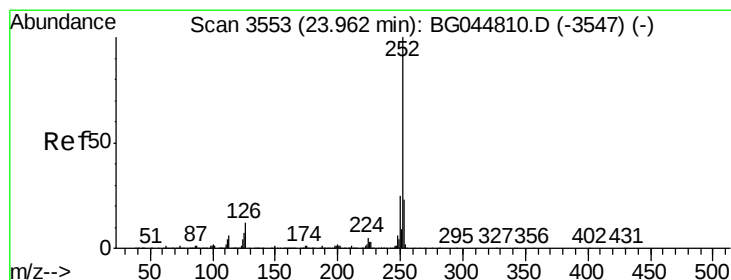
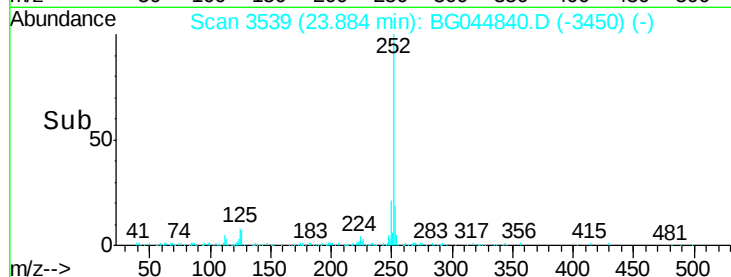
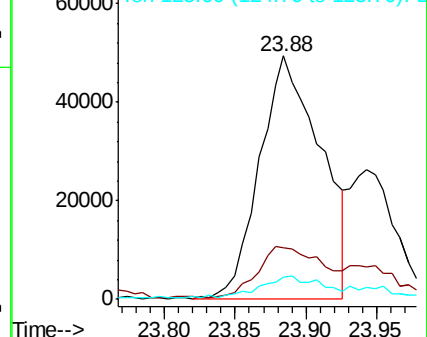
125 9.1 6.6 9.8



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: 4.210 ng

RT: 23.88 min Scan# 3539

Delta R.T. -0.08 min

Lab File: BG044840.D

Acq: 17 Mar 2020 19:50

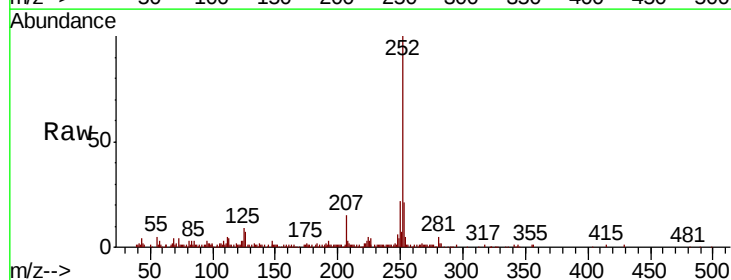
Tgt Ion:252 Resp: 148432

Ion Ratio Lower Upper

252 100

253 21.4 18.5 27.7

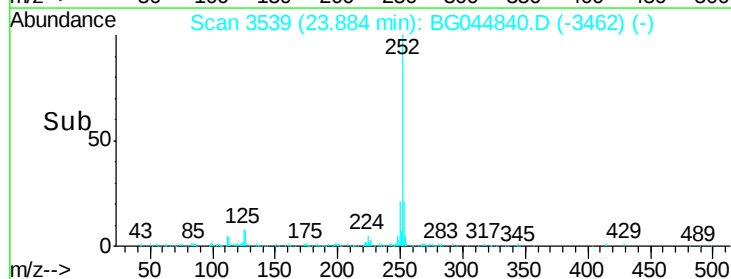
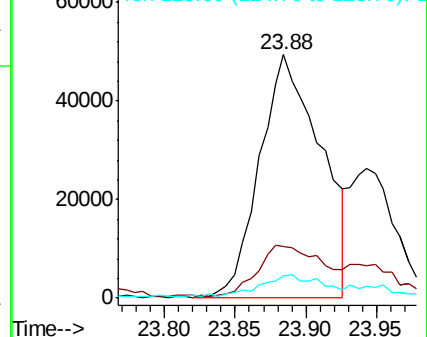
125 9.1 6.2 9.2

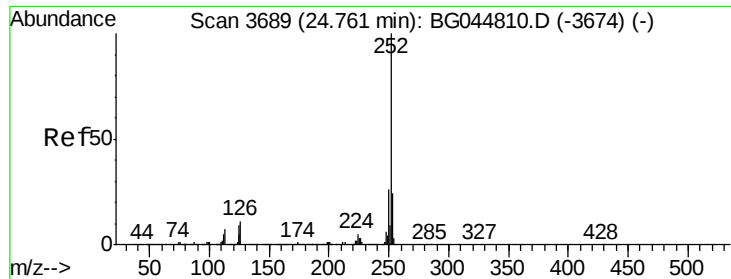


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

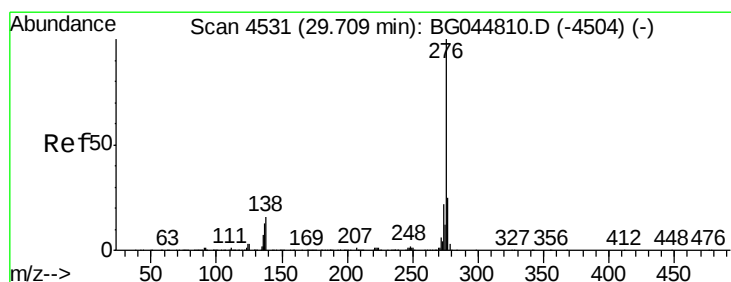
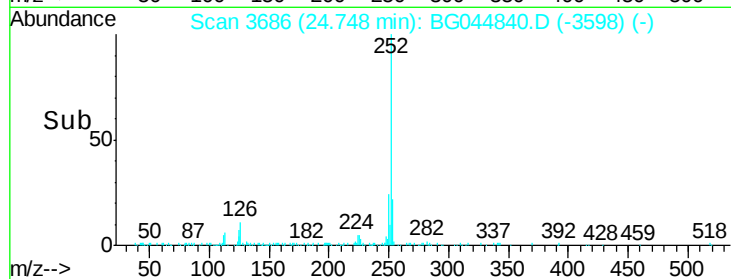
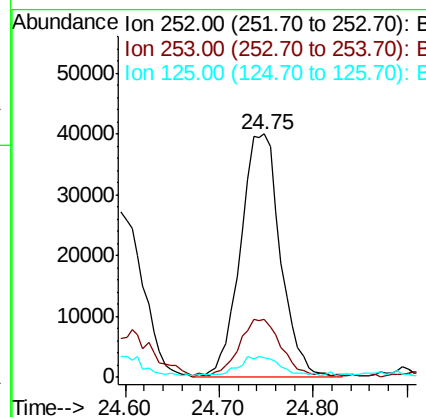
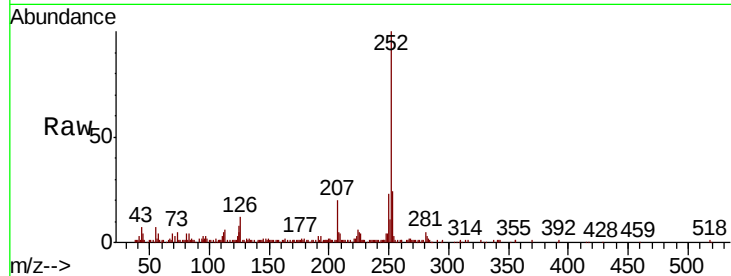




#90
Benzo(a)pyrene
Concen: 3.331 ng
RT: 24.75 min Scan# 3686
Delta R.T. -0.01 min
Lab File: BG044840.D
Acq: 17 Mar 2020 19:50

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	19.4	29.0
125	8.3	7.2	10.8



#92
Benzo(g,h,i)perylene
Concen: 2.106 ng
RT: 29.67 min Scan# 4523
Delta R.T. -0.04 min
Lab File: BG044840.D
Acq: 17 Mar 2020 19:50

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.3	20.1	30.1
138	11.5	13.0	19.6

