

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050819\
 Data File : BG040815.D
 Acq On : 9 May 2019 10:14
 Operator : HP/JU
 Sample : K2645-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 09 11:27:07 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	46446	20.00	ng	-0.02
21) Naphthalene-d8	10.96	136	183476	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	138350	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	383054	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	360547	20.00	ng	-0.03
87) Perylene-d12	25.15	264	232695	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.67	112	389847	147.96	ng	-0.01
7) Phenol-d6	7.28	99	514947	126.93	ng	-0.01
23) Nitrobenzene-d5	9.32	82	450792	113.53	ng	-0.02
42) 2,4,6-Tribromophenol	16.25	330	272895	143.50	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	992499	103.60	ng	-0.02
79) Terphenyl-d14	20.11	244	1972504	121.20	ng	-0.02

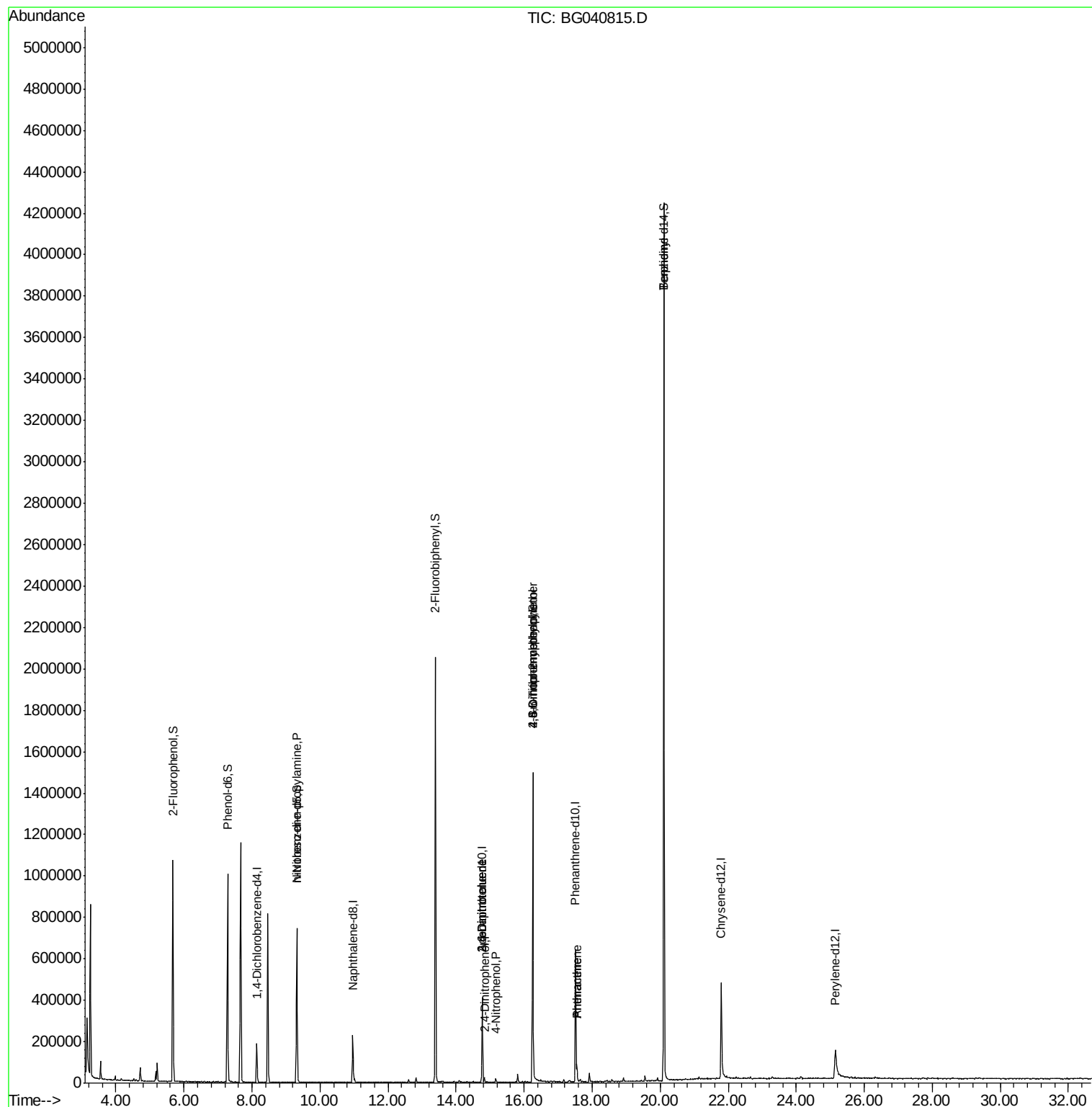
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.28	77	1079	Below Cal		# 19
19) n-Nitroso-di-n-propylamine	9.32	70	65510	17.938	ng	# 79
51) 2,6-Dinitrotoluene	14.77	165	17817	7.887	ng	# 15
54) 2,4-Dinitrophenol	14.83	184	53	7.053	ng	# 1
56) 4-Nitrophenol	15.16	139	4571	2.277	ng	# 1
57) 2,4-Dinitrotoluene	14.77	165	17817	5.804	ng	# 17
65) 4,6-Dinitro-2-methylphenol	16.25	198	966	7.537	ng	# 1
67) 4-Bromophenyl-phenylether	16.25	248	20765	4.351	ng	# 1
71) Phenanthrene	17.55	178	50030	2.425	ng	98
72) Anthracene	17.55	178	50030	2.412	ng	98
77) Benzdine	20.11	184	37912	3.840	ng	# 93

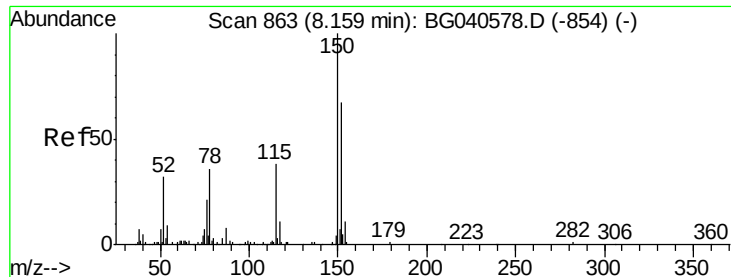
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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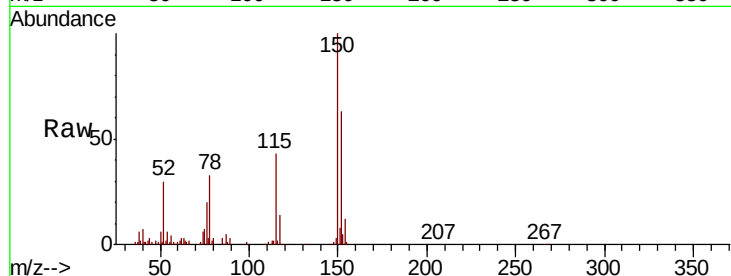


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 860
Delta R.T. -0.02 min
Lab File: BG040815.D
Acq: 9 May 2019 10:14

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	120.2	180.2
115	67.7	46.2	69.2

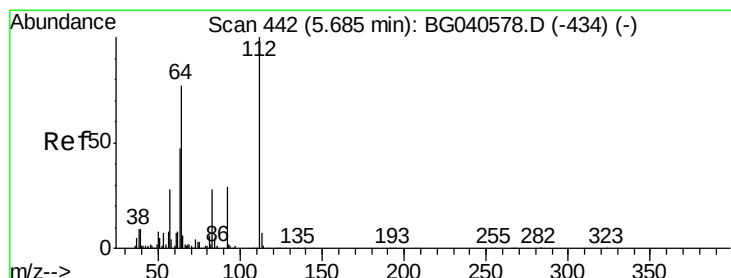
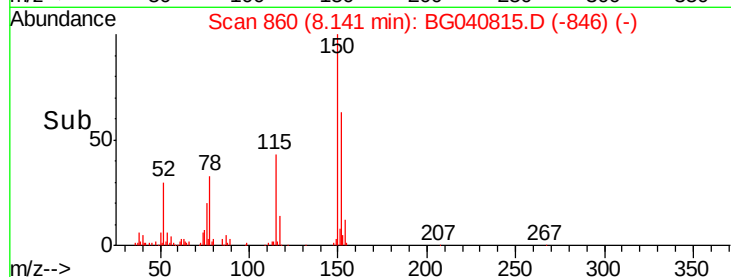
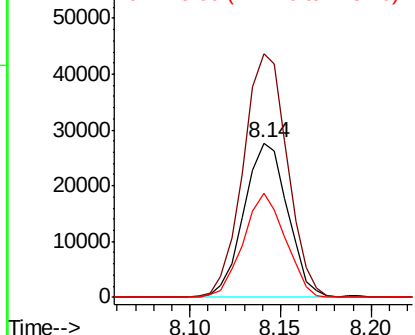


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

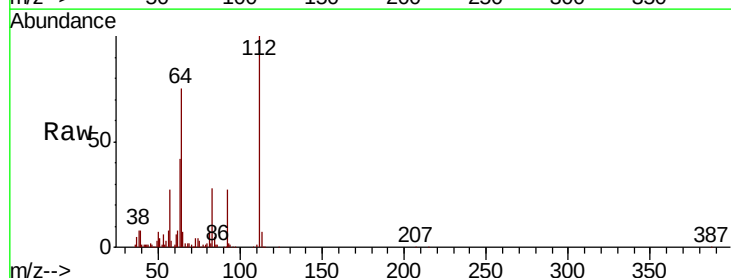
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 147.959 ng
RT: 5.67 min Scan# 440
Delta R.T. -0.01 min
Lab File: BG040815.D
Acq: 9 May 2019 10:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	75.4	61.4	92.0
63	42.5	37.8	56.6

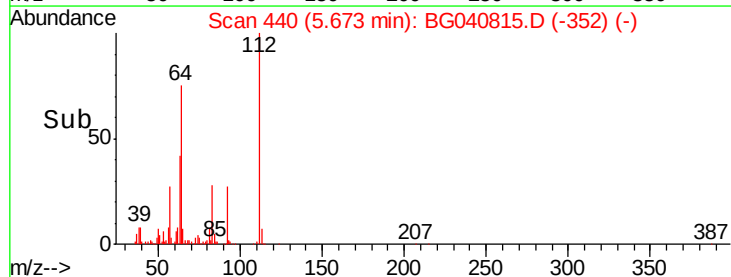
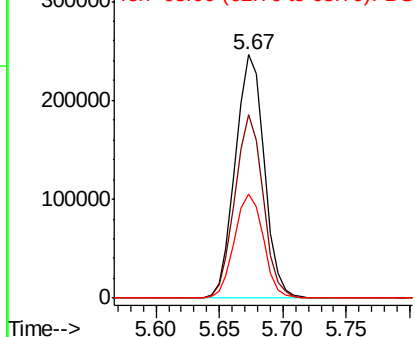


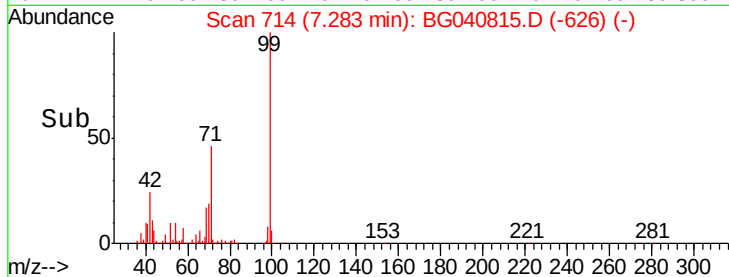
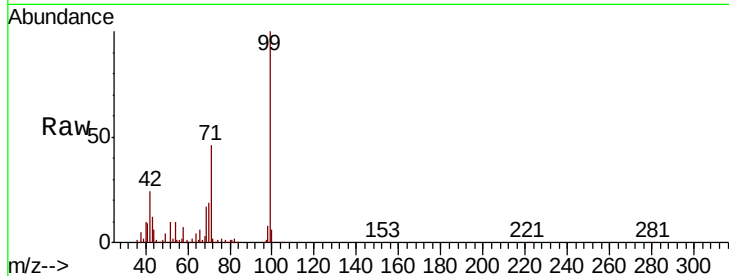
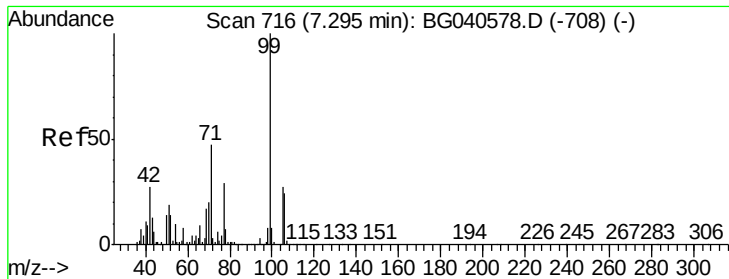
Abundance

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: 126.931 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040815.D

Acq: 9 May 2019 10:14

Instrument :

BNA_G

ClientSampleId :

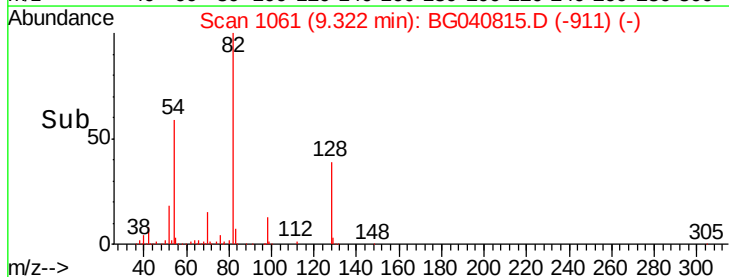
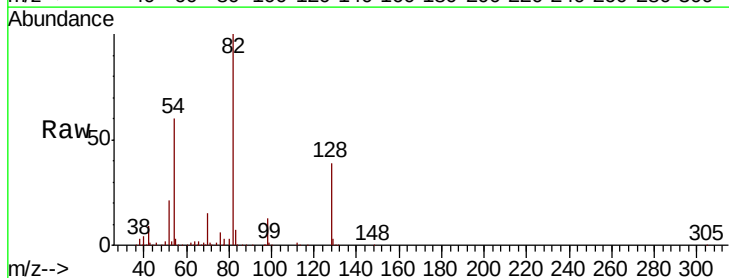
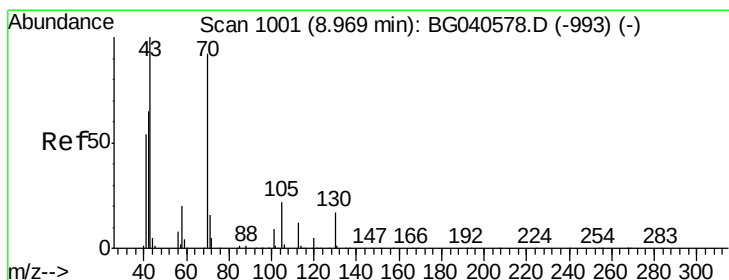
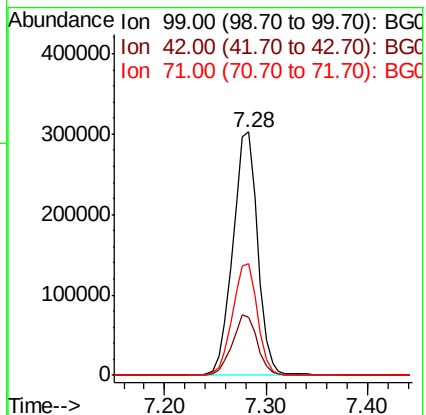
Tot Ion: 99 Resp: 514947

Ion Ratio Lower Upper

99 100

42 23.8 21.8 32.8

71 46.2 38.6 57.8



#19

n-Nitroso-di-n-propylamine

Concen: 17.938 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG040815.D

Acq: 9 May 2019 10:14

Tgt Ion: 70 Resp: 65510

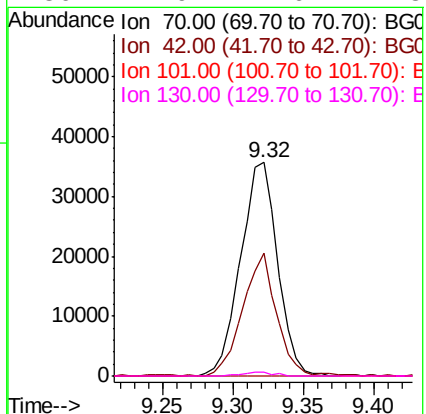
Ion Ratio Lower Upper

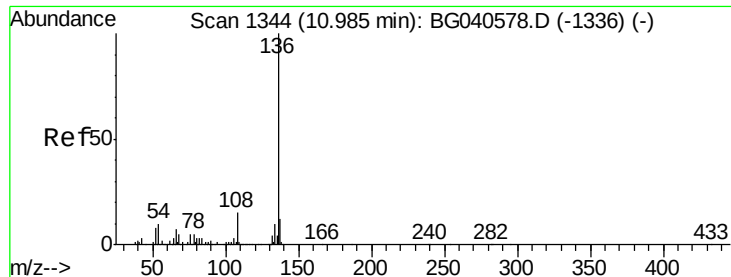
70 100

42 57.5 57.1 85.7

101 0.0 7.8 11.8#

130 1.9 14.6 21.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.96 min Scan# 1340

Delta R.T. -0.02 min

Lab File: BG040815.D

Acq: 9 May 2019 10:14

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 183476

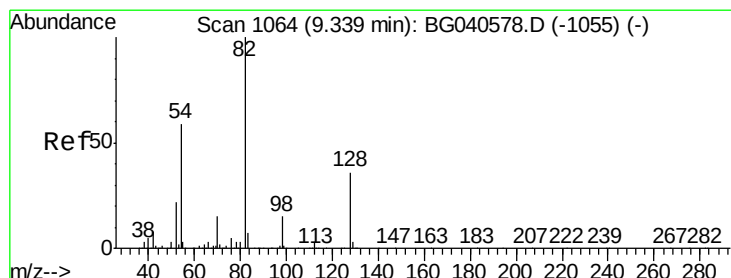
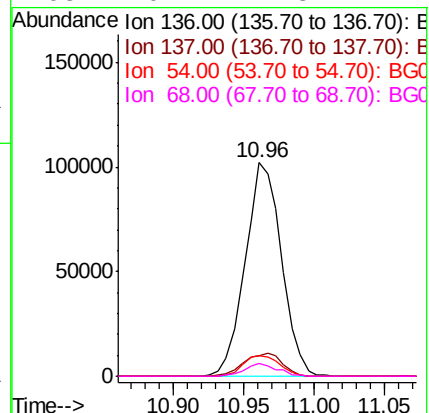
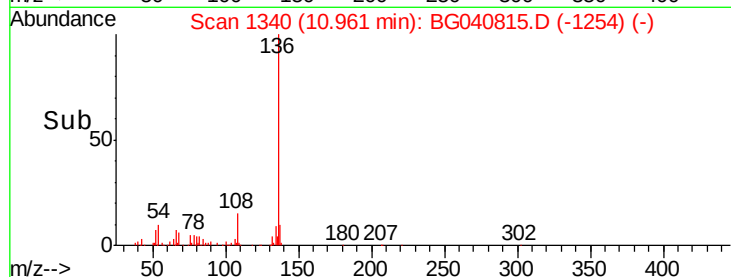
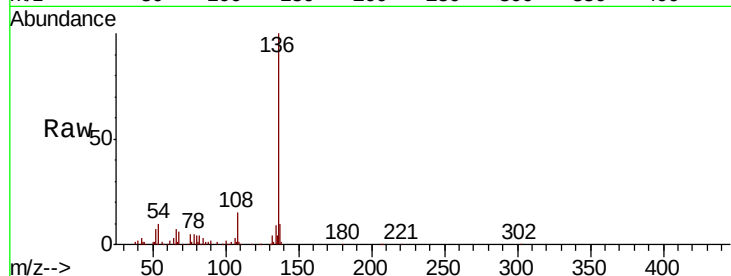
Ion Ratio Lower Upper

136 100

137 9.7 9.7 14.5

54 9.8 8.6 12.8

68 6.1 4.8 7.2



#23

Nitrobenzene-d5

Concen: 113.527 ng

RT: 9.32 min Scan# 1060

Delta R.T. -0.02 min

Lab File: BG040815.D

Acq: 9 May 2019 10:14

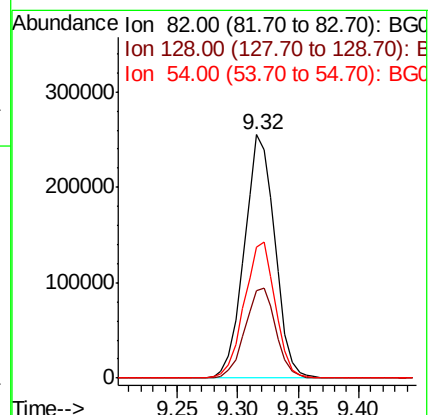
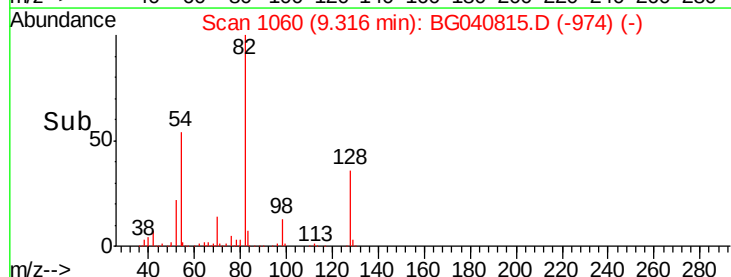
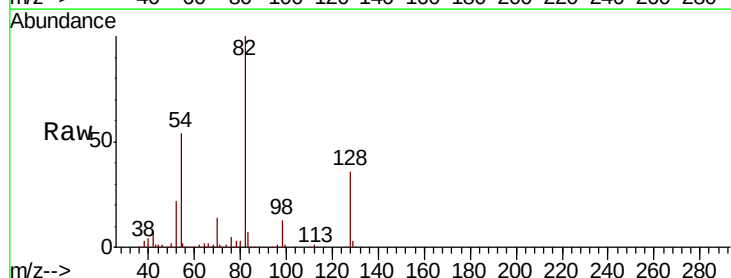
Tgt Ion: 82 Resp: 450792

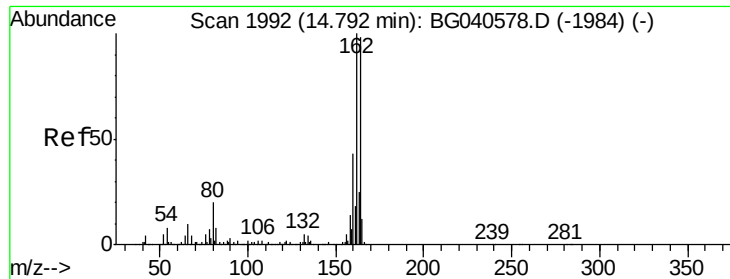
Ion Ratio Lower Upper

82 100

128 35.7 28.9 43.3

54 53.8 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: BG040815.D

Acq: 9 May 2019 10:14

Instrument :

BNA_G

ClientSampleId :

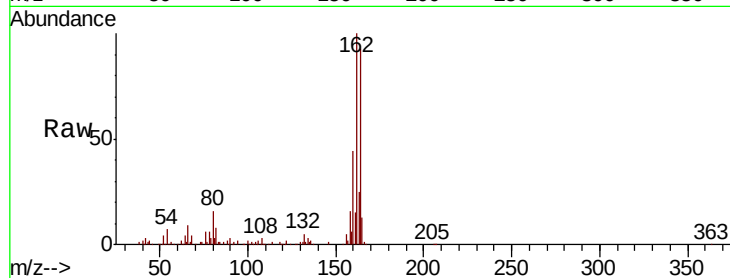
Tot Ion:164 Resp: 138350

Ion Ratio Lower Upper

164 100

162 107.6 81.9 122.9

160 47.2 35.4 53.2

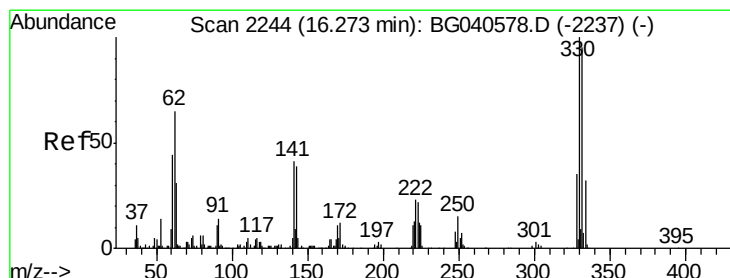
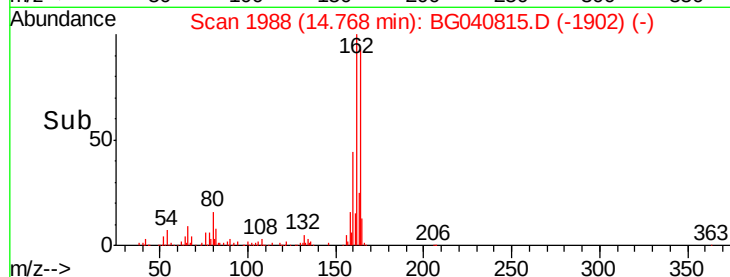
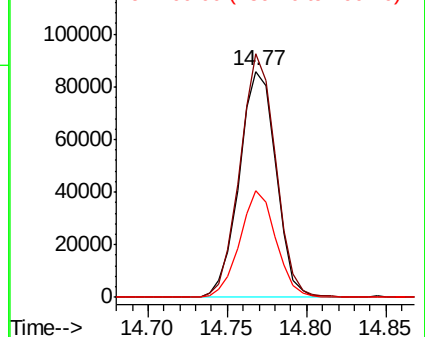


Abundance

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: 143.504 ng

RT: 16.25 min Scan# 2241

Delta R.T. -0.02 min

Lab File: BG040815.D

Acq: 9 May 2019 10:14

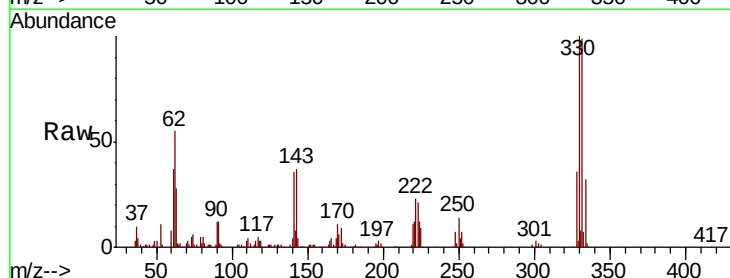
Tgt Ion:330 Resp: 272895

Ion Ratio Lower Upper

330 100

332 95.9 75.9 113.9

141 38.0 32.4 48.6

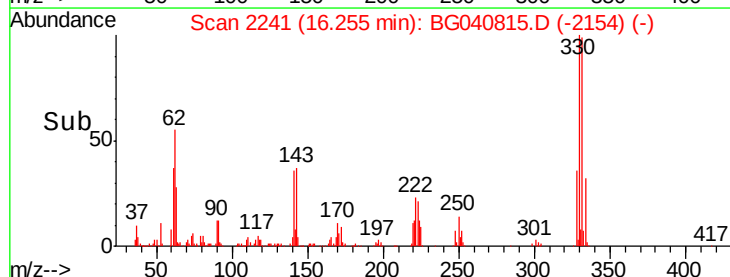
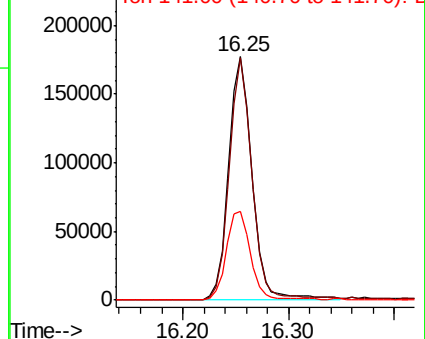


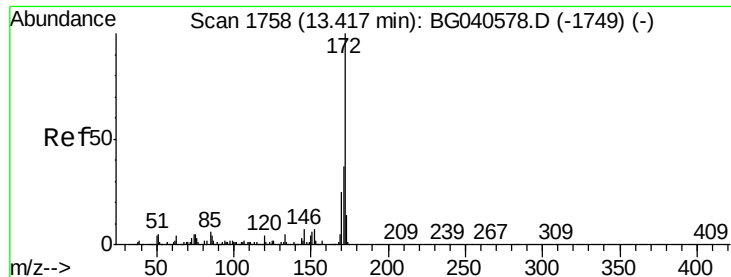
Abundance

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

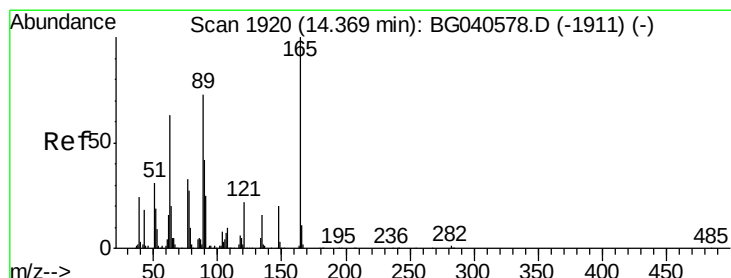
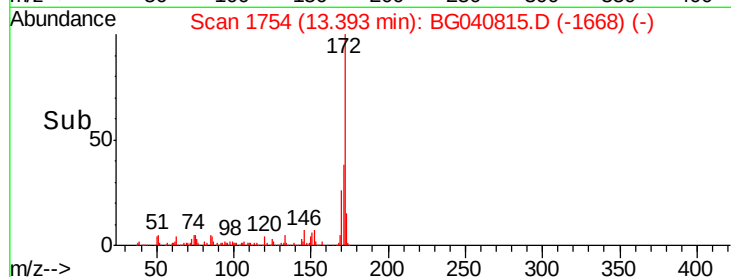
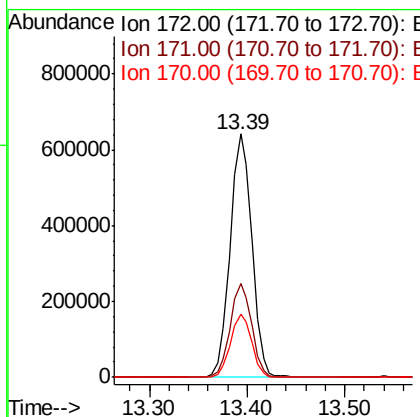
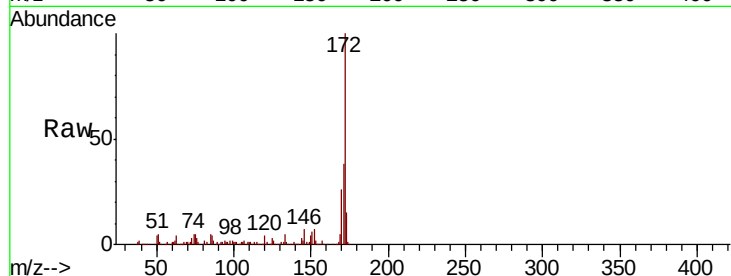




#45
 2-Fluorobiphenyl
 Concen: 103.604 ng
 RT: 13.39 min Scan# 1754
 Delta R.T. -0.02 min
 Lab File: BG040815.D
 Acq: 9 May 2019 10:14

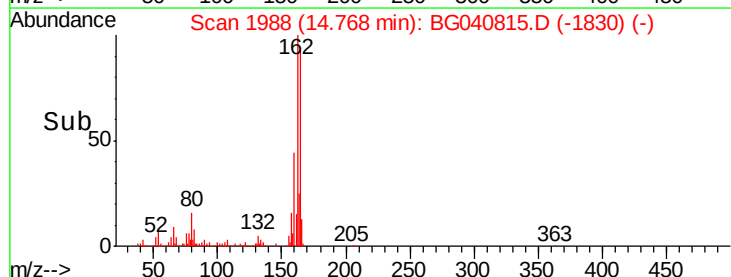
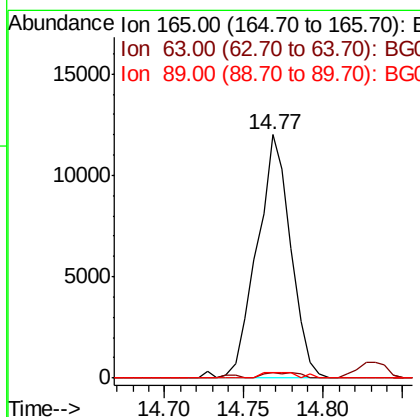
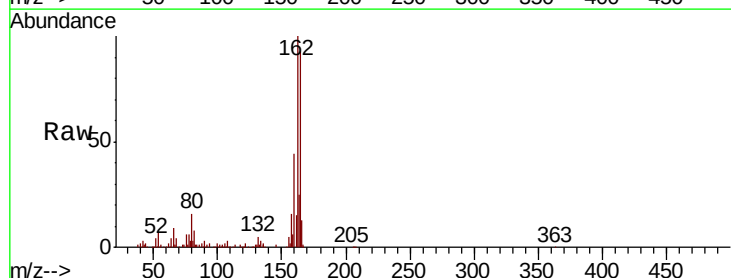
Instrument :
 BNA_G
 ClientSampleId :

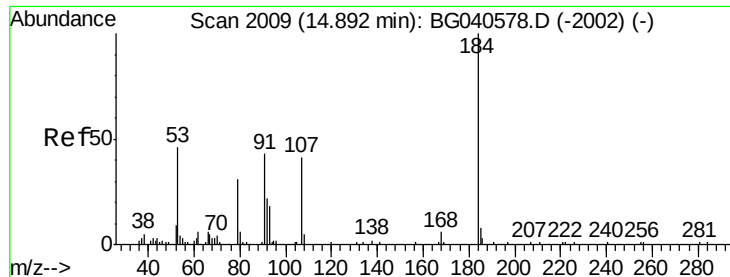
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.4	29.4	44.2
170	26.2	19.9	29.9



#51
 2,6-Dinitrotoluene
 Concen: 7.887 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. 0.40 min
 Lab File: BG040815.D
 Acq: 9 May 2019 10:14

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.3	61.0	91.4#
89	2.3	58.6	87.8#

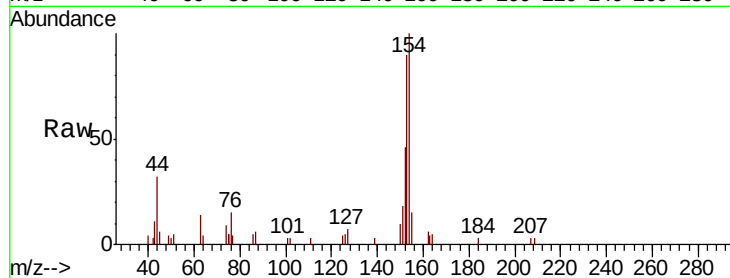




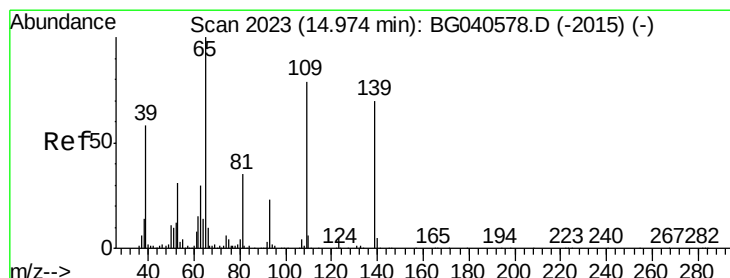
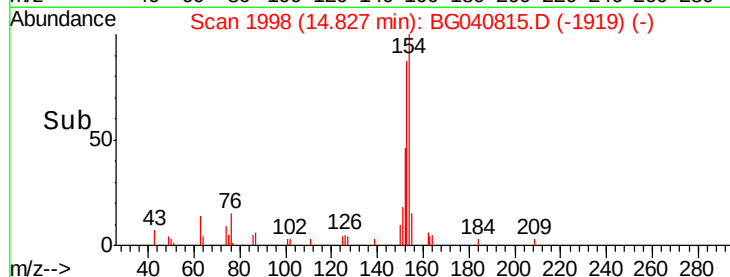
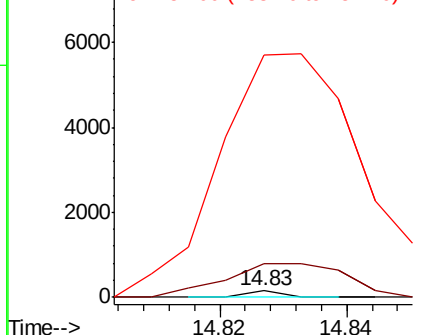
#54
2,4-Dinitrophenol
Concen: 7.053 ng
RT: 14.83 min Scan# 1998
Delta R.T. -0.06 min
Lab File: BG040815.D
Acq: 9 May 2019 10:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion:184 Resp: 53
Ion Ratio Lower Upper
184 100
63 520.5 51.8 77.6#
154 3782.1 43.6 65.4#

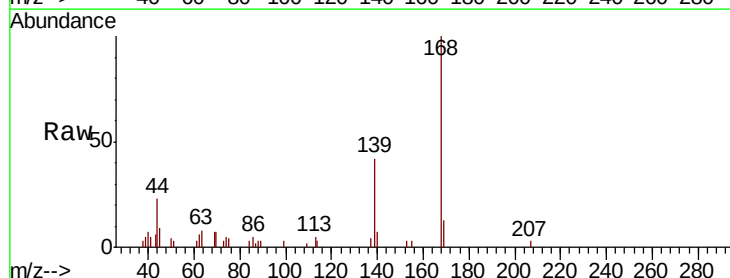


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 154.00 (153.70 to 154.70): E

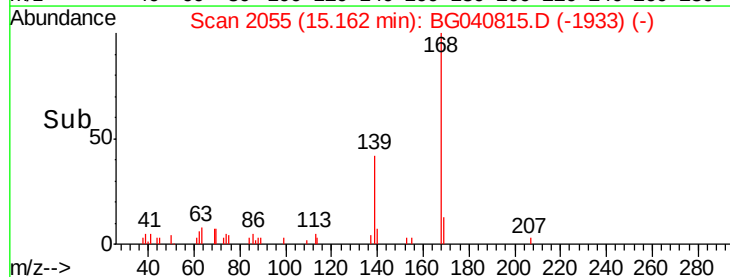
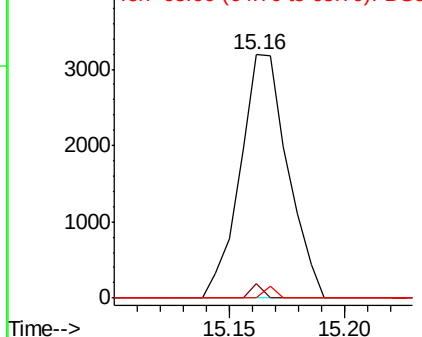


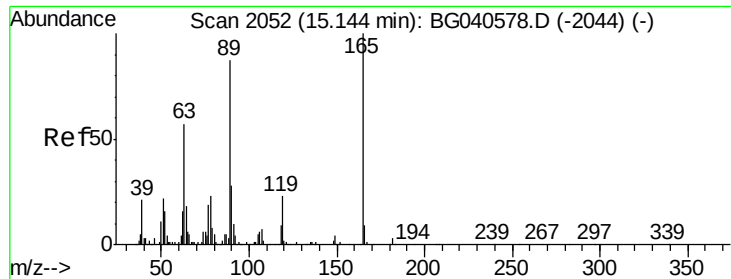
#56
4-Nitrophenol
Concen: 2.277 ng
RT: 15.16 min Scan# 2055
Delta R.T. 0.19 min
Lab File: BG040815.D
Acq: 9 May 2019 10:14

Tgt Ion:139 Resp: 4571
Ion Ratio Lower Upper
139 100
109 5.9 93.8 133.8#
65 0.0 122.7 162.7#



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): BG





#57

2,4-Dinitrotoluene

Concen: 5.804 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.38 min

Lab File: BG040815.D

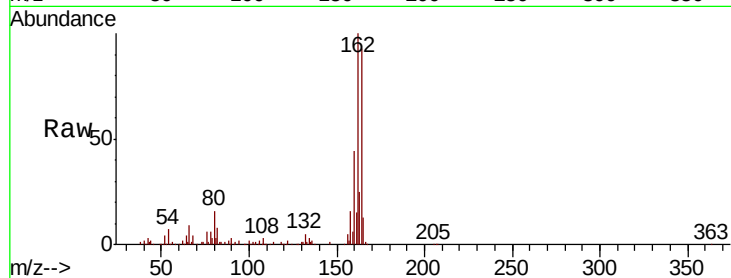
Acq: 9 May 2019 10:14

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	165	Resp:	17817
Ion Ratio	Lower	Upper	
165	100		
63	2.3	45.8	68.8#
89	2.3	69.4	104.2#
182	0.0	2.2	3.4#

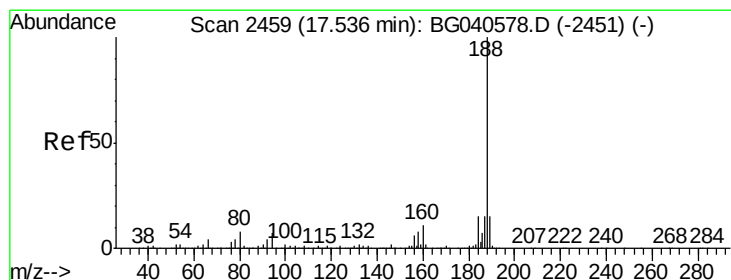
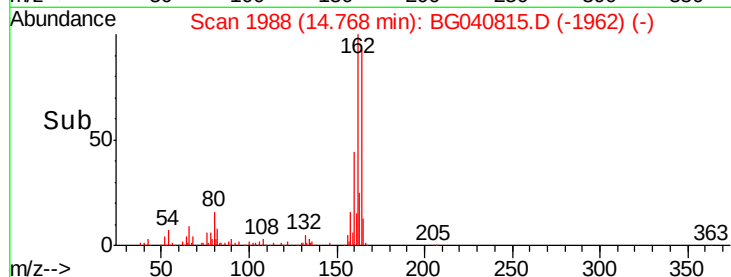
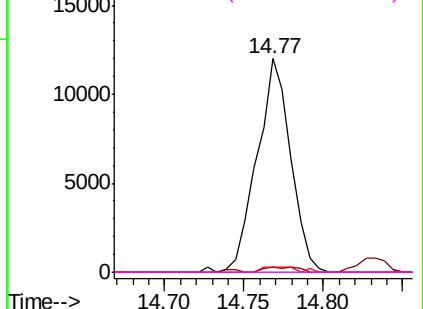


Abundance Ion 165.00 (164.70 to 165.70): E

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

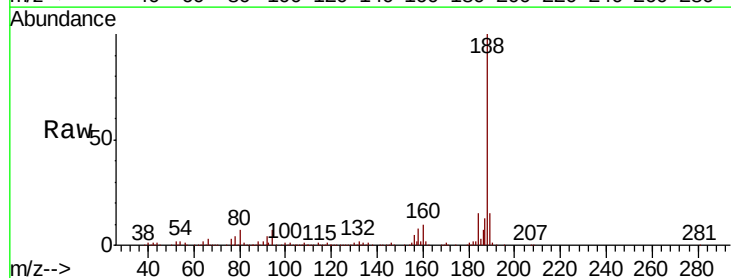
RT: 17.51 min Scan# 2455

Delta R.T. -0.02 min

Lab File: BG040815.D

Acq: 9 May 2019 10:14

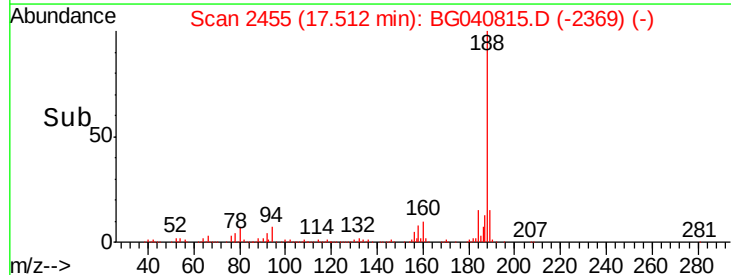
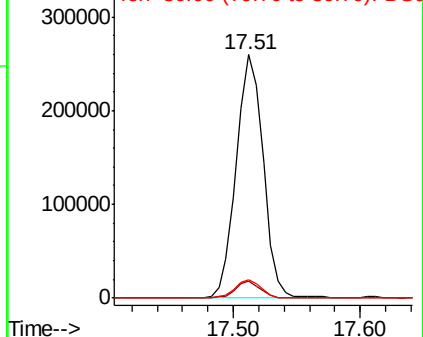
Tgt Ion:	188	Resp:	383054
Ion Ratio	Lower	Upper	
188	100		
94	6.9	5.6	8.4
80	7.3	6.4	9.6

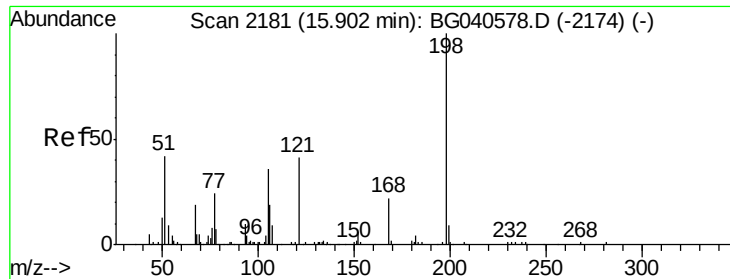


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 7.537 ng

RT: 16.25 min Scan# 2240

Delta R.T. 0.35 min

Lab File: BG040815.D

Acq: 9 May 2019 10:14

Instrument :

BNA_G

ClientSampleId :

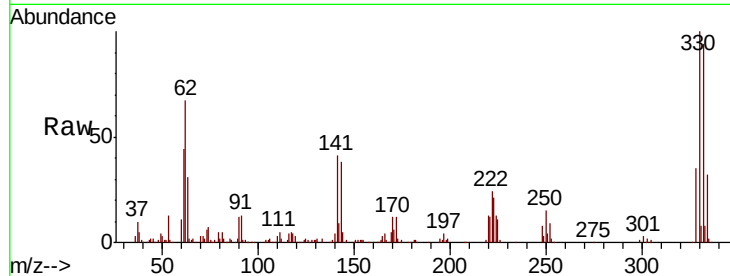
Tot Ion:198 Resp: 966

Ion Ratio Lower Upper

198 100

51 168.0 35.9 75.9#

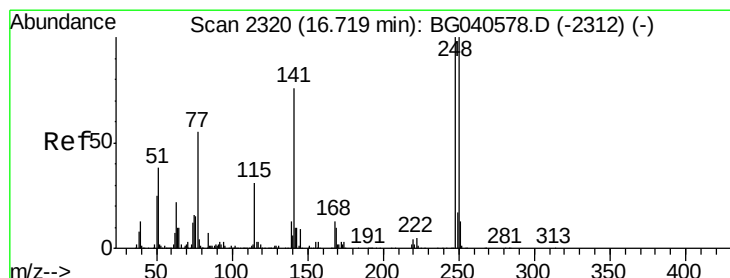
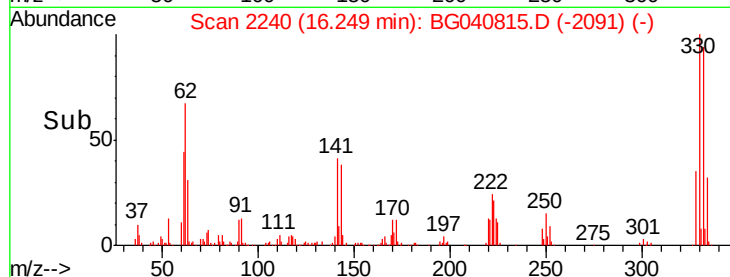
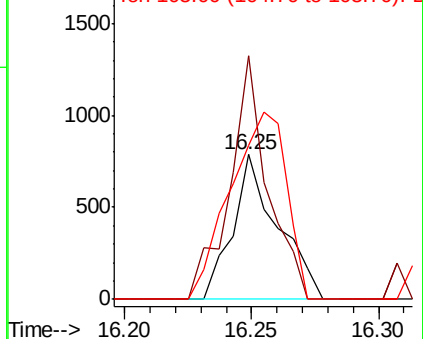
105 106.1 21.2 61.2#



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: 4.351 ng

RT: 16.25 min Scan# 2241

Delta R.T. -0.46 min

Lab File: BG040815.D

Acq: 9 May 2019 10:14

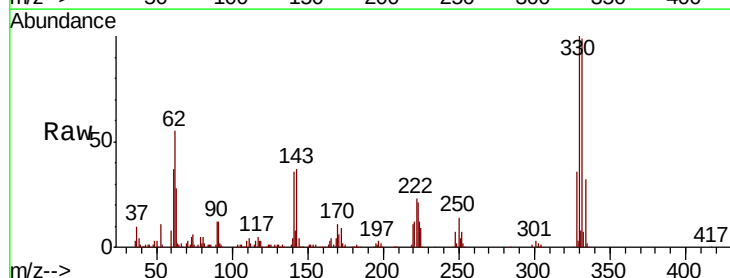
Tgt Ion:248 Resp: 20765

Ion Ratio Lower Upper

248 100

250 189.2 79.8 119.6#

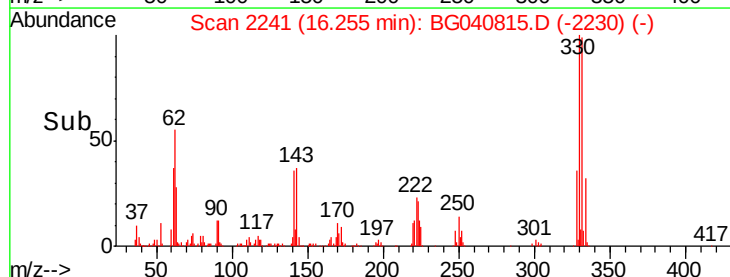
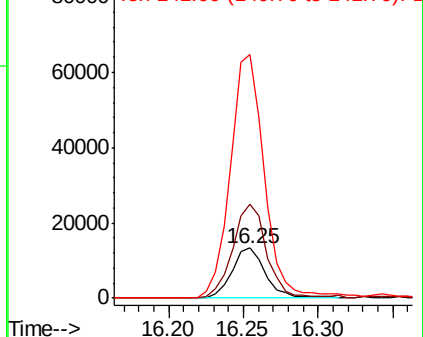
141 488.4 60.8 91.2#

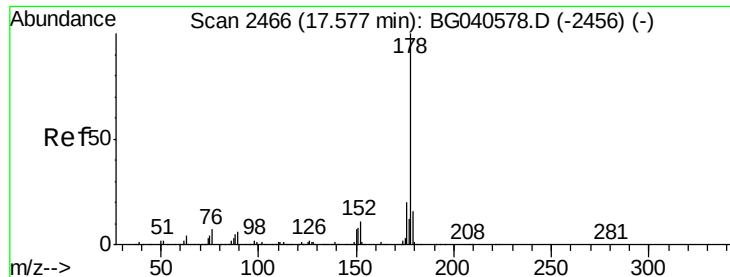


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

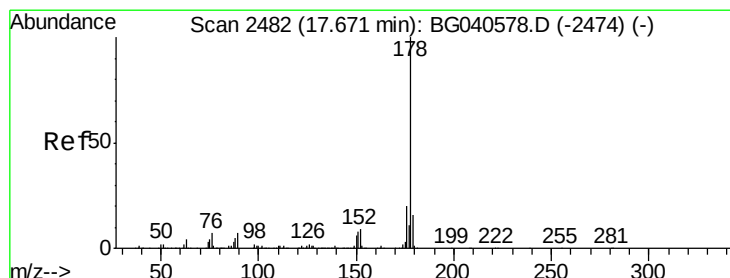
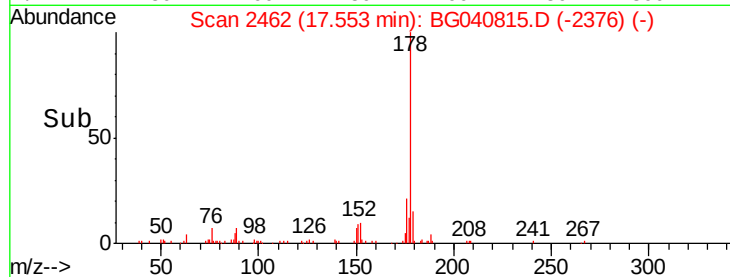
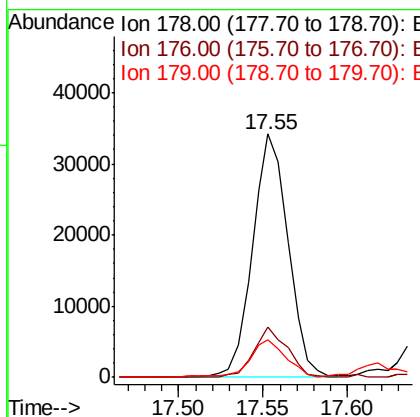
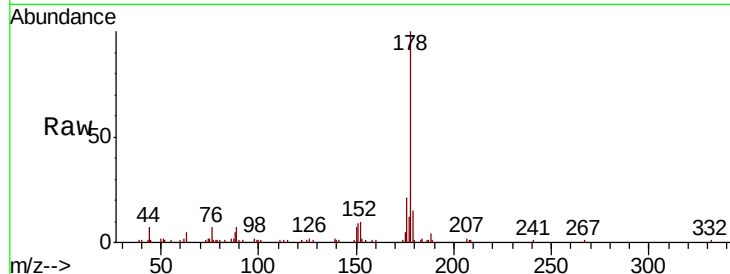




#71
Phenanthrene
Concen: 2.425 ng
RT: 17.55 min Scan# 2462
Delta R.T. -0.02 min
Lab File: BG040815.D
Acq: 9 May 2019 10:14

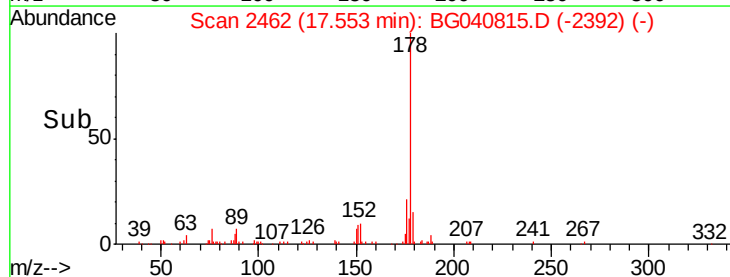
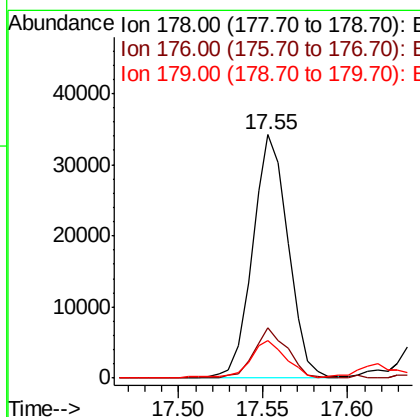
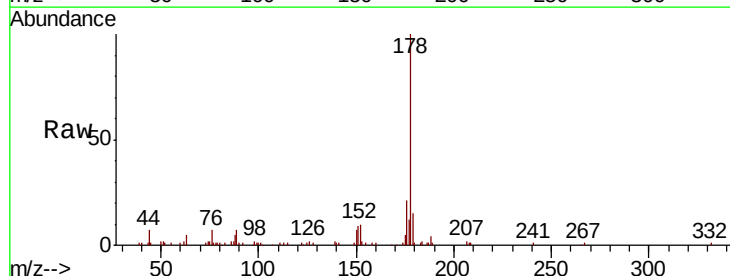
Instrument :
BNA_G
ClientSampleId :

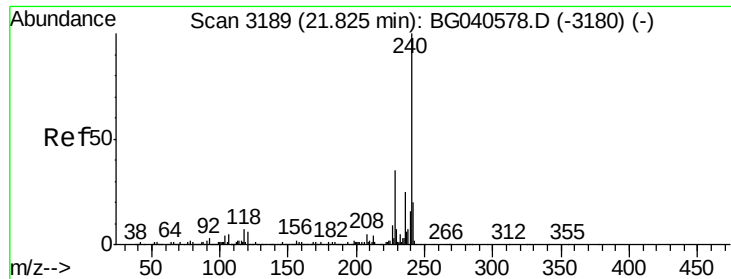
Tot Ion	Ratio	Lower	Upper
178	100		
176	20.7	15.8	23.6
179	15.2	12.6	18.8



#72
Anthracene
Concen: 2.412 ng
RT: 17.55 min Scan# 2462
Delta R.T. -0.12 min
Lab File: BG040815.D
Acq: 9 May 2019 10:14

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.7	15.6	23.4
179	15.2	12.9	19.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.80 min Scan# 3184

Delta R.T. -0.03 min

Lab File: BG040815.D

Acq: 9 May 2019 10:14

Instrument :

BNA_G

ClientSampleId :

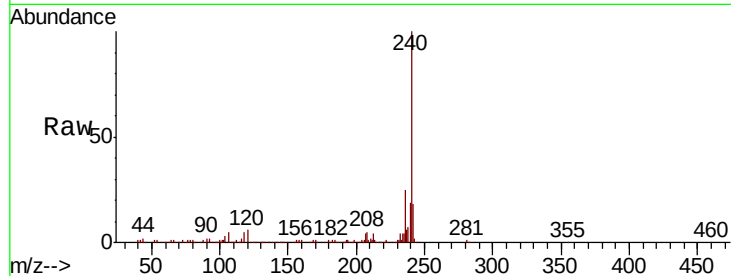
Tot Ion:240 Resp: 360547

Ion Ratio Lower Upper

240 100

120 6.3 5.0 7.6

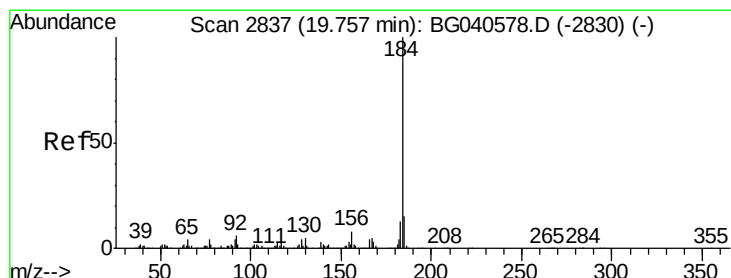
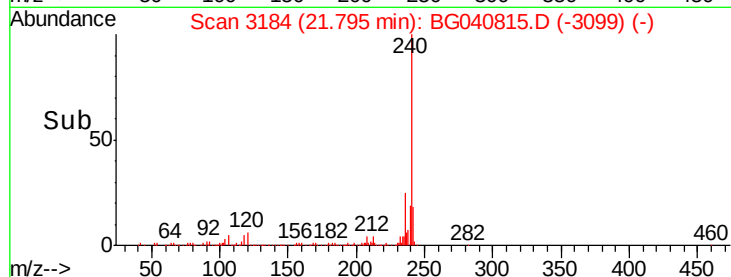
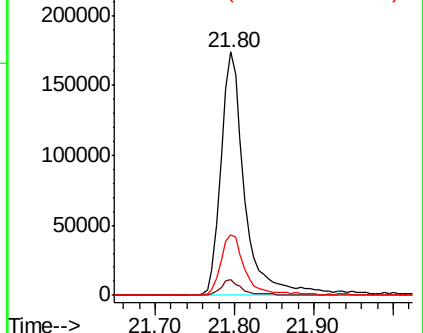
236 25.1 20.3 30.5



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: 3.840 ng

RT: 20.11 min Scan# 2897

Delta R.T. 0.35 min

Lab File: BG040815.D

Acq: 9 May 2019 10:14

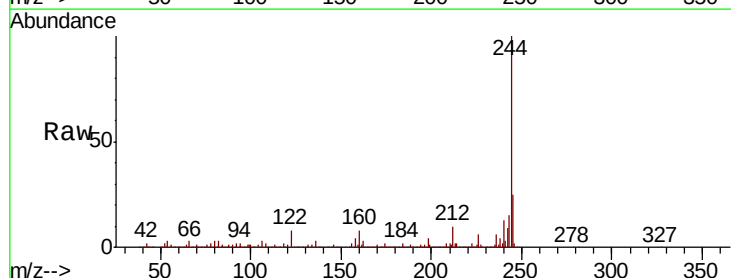
Tgt Ion:184 Resp: 37912

Ion Ratio Lower Upper

184 100

185 16.5 11.8 17.8

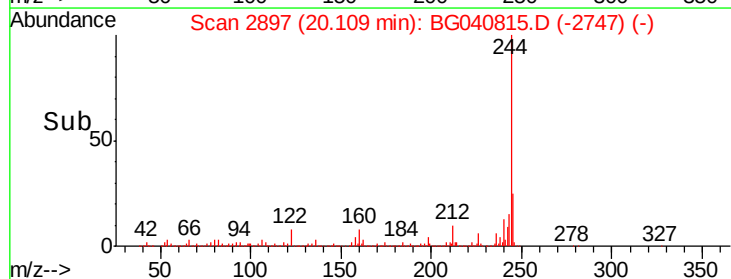
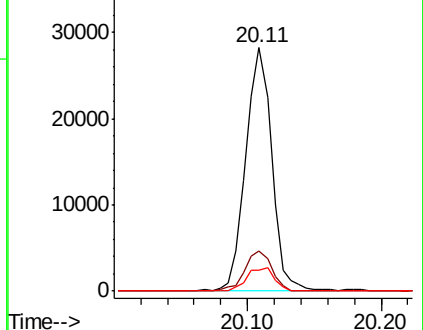
183 8.5 10.2 15.2#

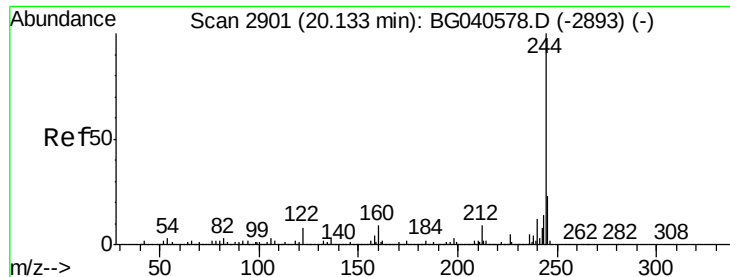


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 121.203 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040815.D

Acq: 9 May 2019 10:14

Instrument :

BNA_G

ClientSampleId :

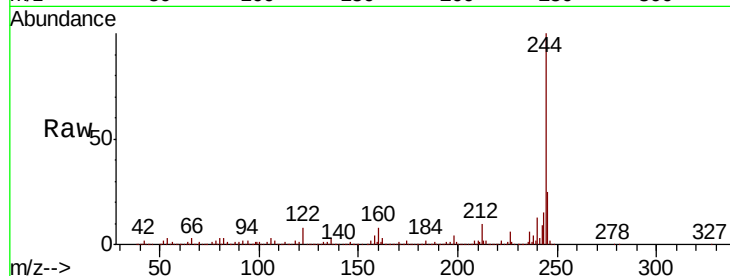
Tot Ion:244 Resp: 1972504

Ion	Ratio	Lower	Upper
244	100		
212	10.2	7.2	10.8
122	8.2	6.6	10.0

244 100

212 10.2 7.2 10.8

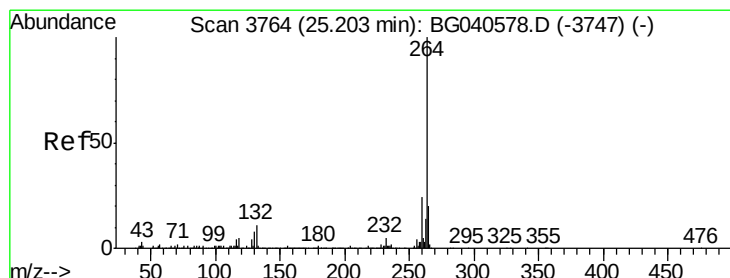
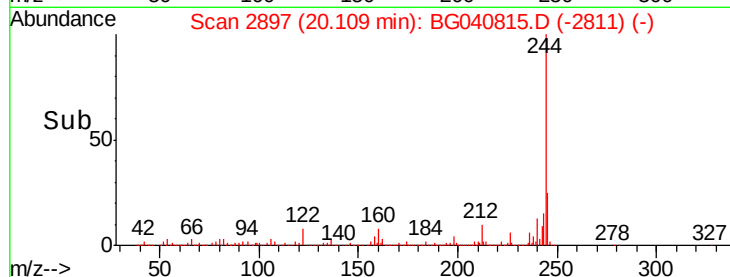
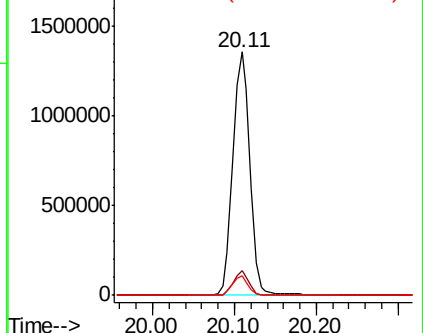
122 8.2 6.6 10.0



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.15 min Scan# 3755

Delta R.T. -0.05 min

Lab File: BG040815.D

Acq: 9 May 2019 10:14

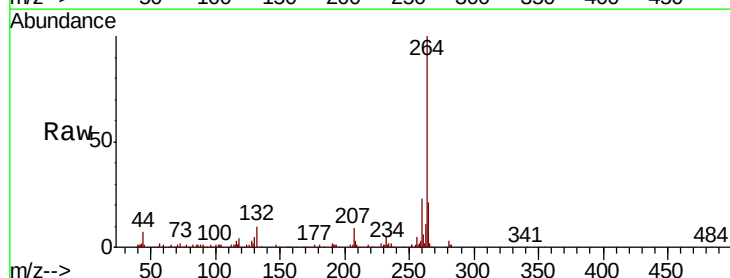
Tgt Ion:264 Resp: 232695

Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.2	28.8
265	20.5	16.6	25.0

264 100

260 22.5 19.2 28.8

265 20.5 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

