

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031320\
 Data File : BG044780.D
 Acq On : 13 Mar 2020 23:33
 Operator : CG/JU
 Sample : L1778-03DL 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 14 00:21:21 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 10 16:27:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	146856	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	591571	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	385767	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	762581	20.00	ng	0.00
76) Chrysene-d12	21.70	240	581980	20.00	ng	-0.01
87) Perylene-d12	24.92	264	667645	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	96076	10.18	ng	0.00
7) Phenol-d6	7.21	99	146121	10.66	ng	0.00
23) Nitrobenzene-d5	9.21	82	93689	6.95	ng	-0.01
42) 2,4,6-Tribromophenol	16.17	330	53008	10.49	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	206083	7.65	ng	0.00
79) Terphenyl-d14	20.04	244	228986	7.36	ng	-0.01

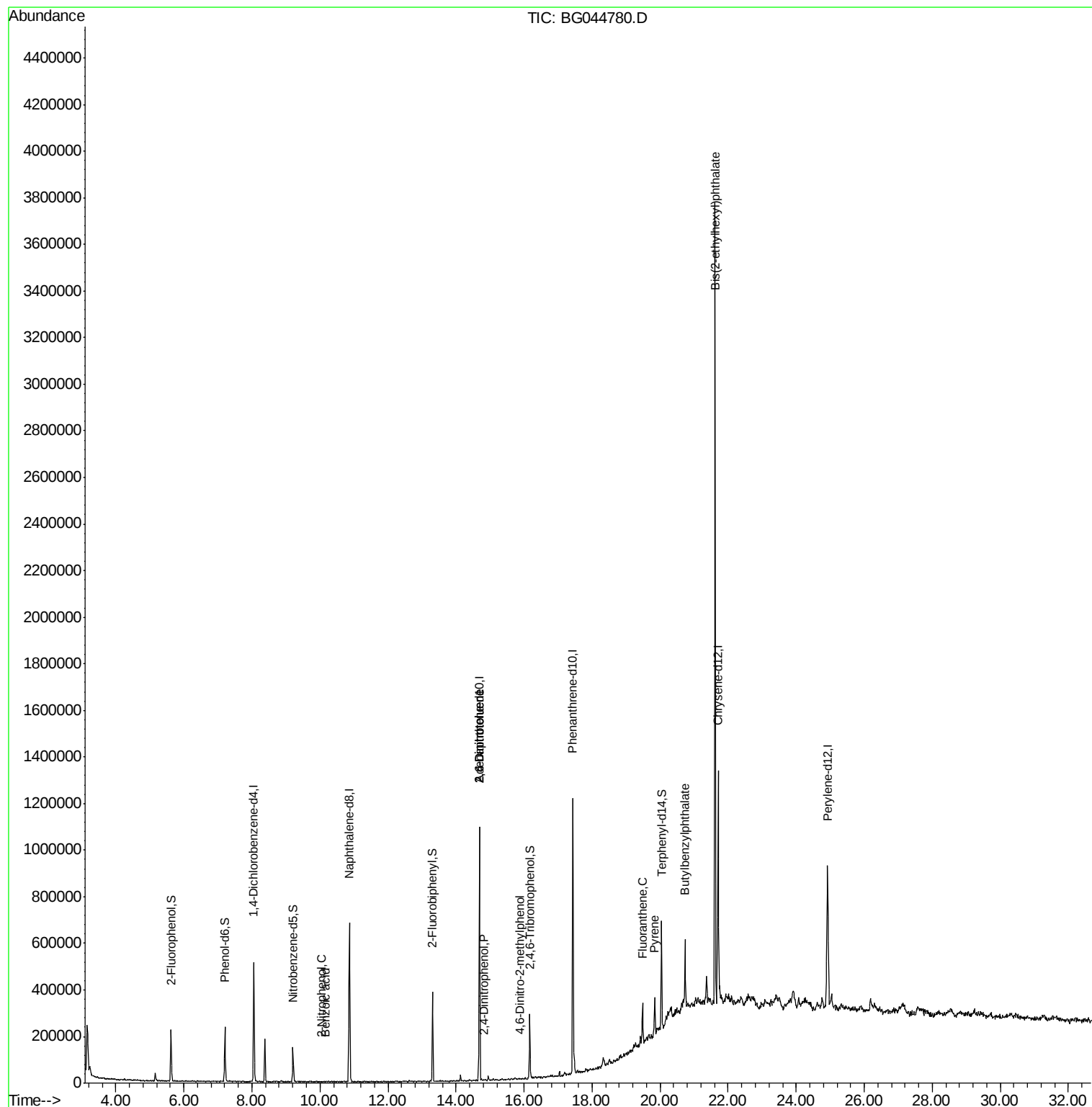
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.20	77	687	Below Cal		# 29
26) 2-Nitrophenol	10.03	139	109	5.535	ng	# 43
32) Benzoic acid	10.16	122	190	9.693	ng	# 24
51) 2,6-Dinitrotoluene	14.69	165	50882	8.216	ng	# 20
54) 2,4-Dinitrophenol	14.83	184	59	8.339	ng	# 2
57) 2,4-Dinitrotoluene	14.69	165	50882	5.991	ng	# 17
65) 4,6-Dinitro-2-methylphenol	15.88	198	69	7.744	ng	# 35
75) Fluoranthene	19.48	202	104806	2.160	ng	95
78) Pyrene	19.84	202	100405	2.352	ng	98
80) Butylbenzylphthalate	20.73	149	87623	4.613	ng	94
84) Bis(2-ethylhexyl)phthalate	21.61	149	1328591	50.679	ng	98

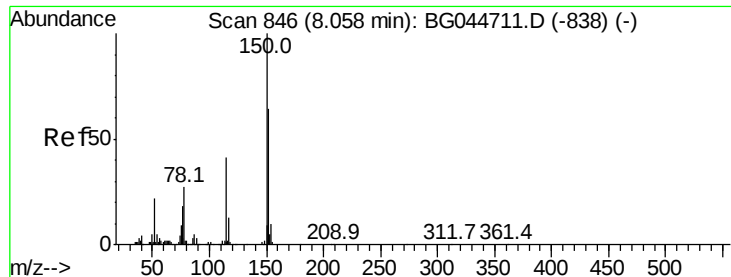
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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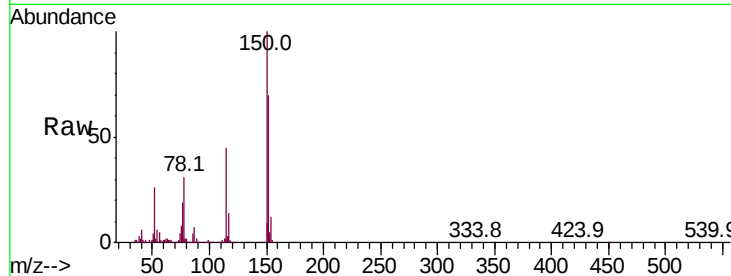


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.00 min
Lab File: BG044780.D
Acq: 13 Mar 2020 23:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	142.6	125.3	187.9
115	63.7	51.7	77.5

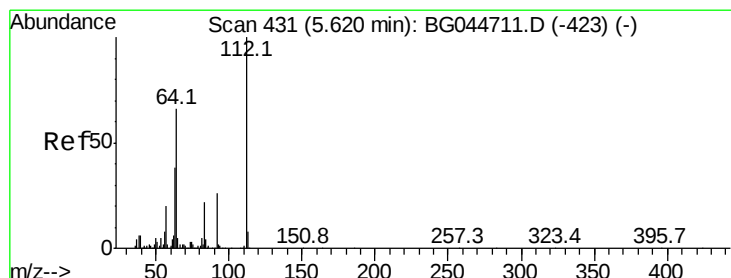
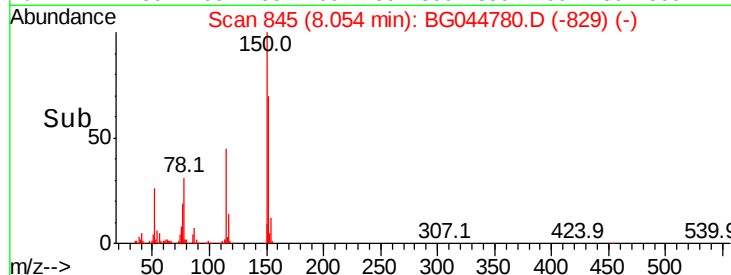
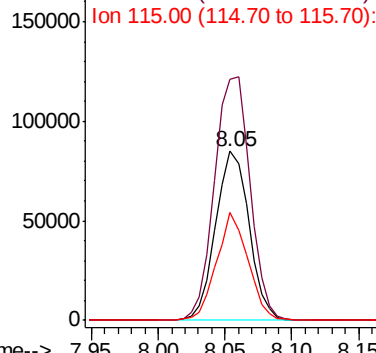


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

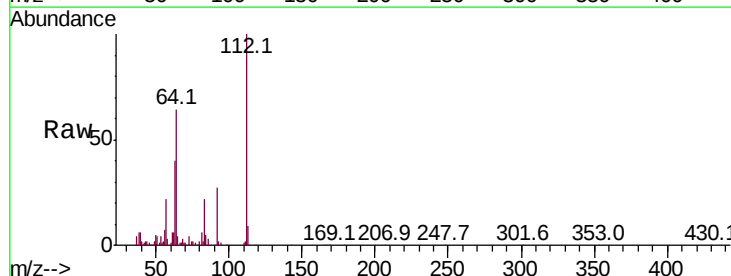
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 10.184 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.00 min
Lab File: BG044780.D
Acq: 13 Mar 2020 23:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.6	52.6	78.8
63	39.8	30.2	45.4

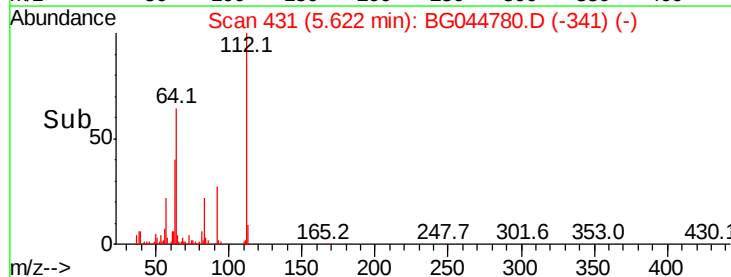
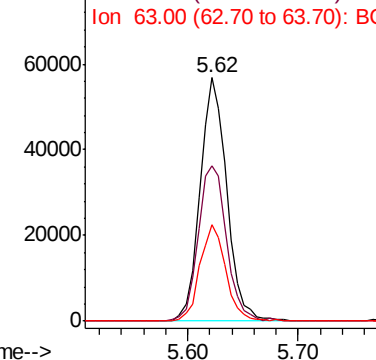


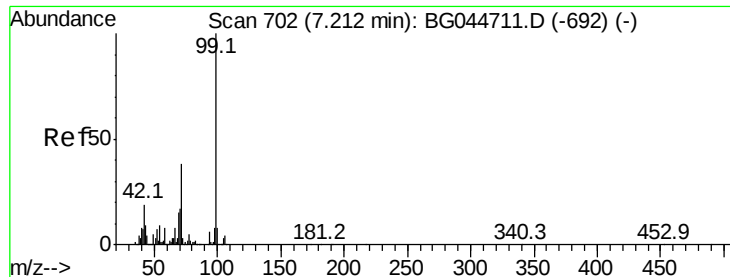
Abundance

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: 10.661 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG044780.D

Acq: 13 Mar 2020 23:33

Instrument :

BNA_G

ClientSampleId :

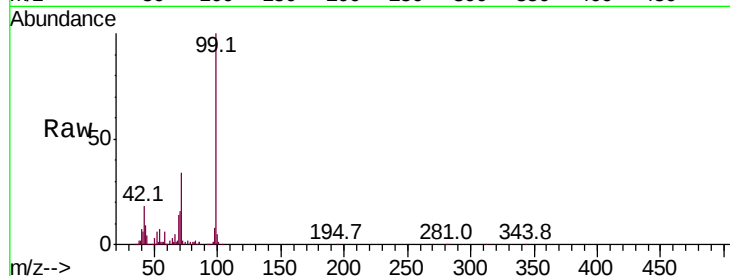
Tot Ion: 99 Resp: 146121

Ion Ratio Lower Upper

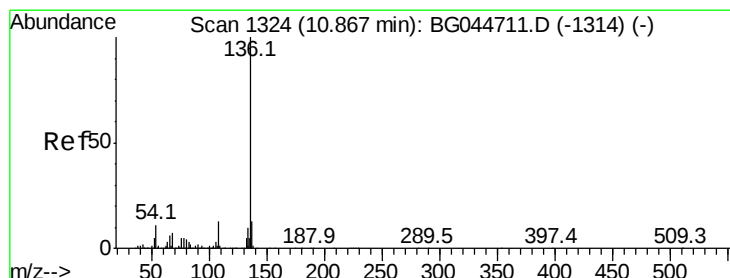
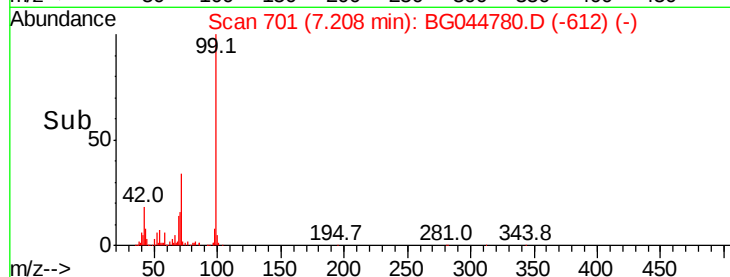
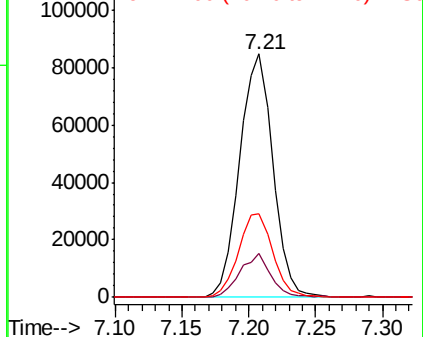
99 100

42 17.9 15.4 23.0

71 34.2 30.2 45.4



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.86 min Scan# 1323

Delta R.T. -0.00 min

Lab File: BG044780.D

Acq: 13 Mar 2020 23:33

Tgt Ion: 136 Resp: 591571

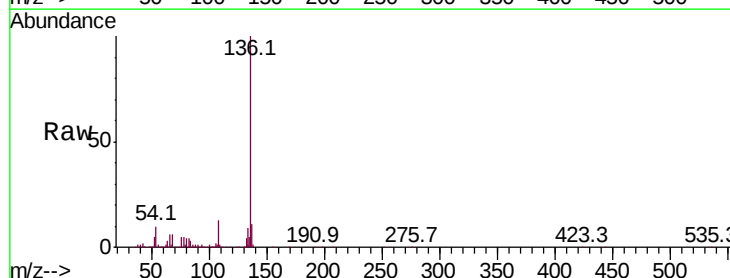
Ion Ratio Lower Upper

136 100

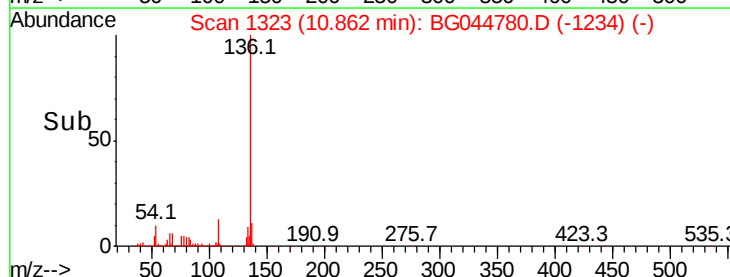
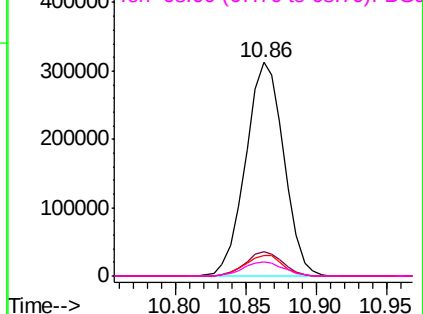
137 11.4 10.7 16.1

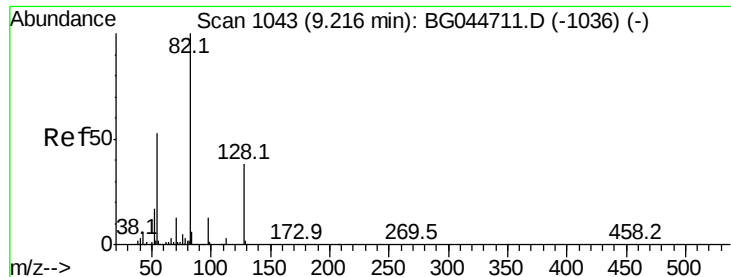
54 9.7 9.0 13.4

68 6.4 5.9 8.9



Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC





#23

Nitrobenzene-d5

Concen: 6.950 ng

RT: 9.21 min Scan# 1041

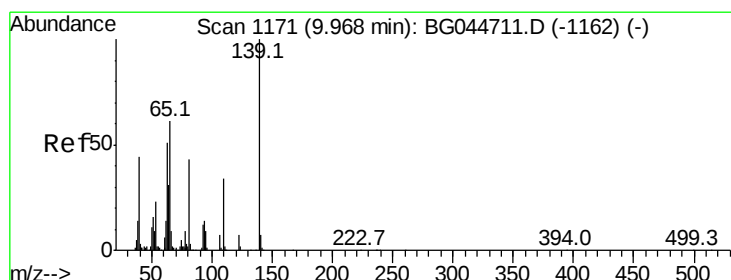
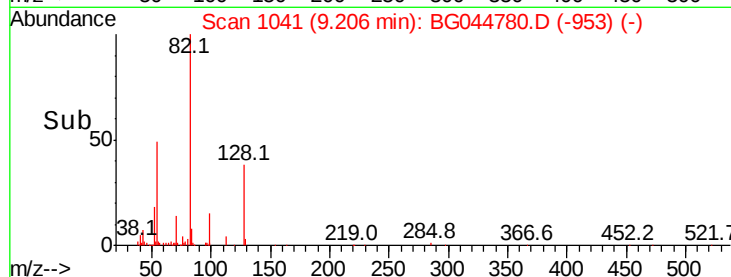
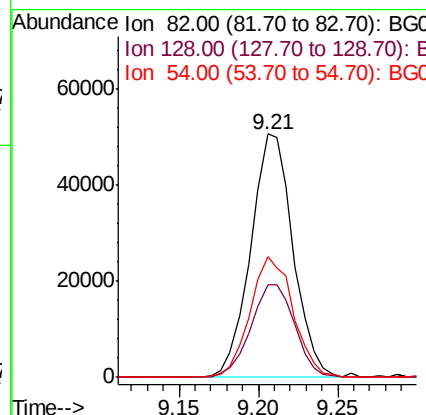
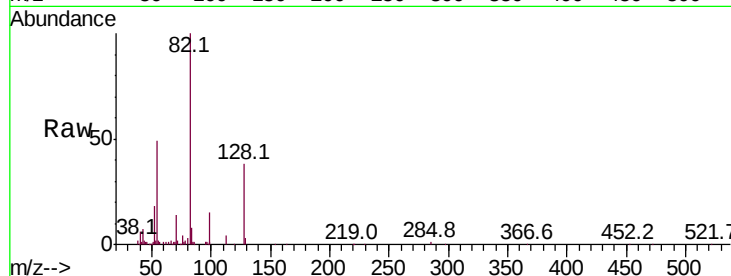
Delta R.T. -0.01 min

Lab File: BG044780.D

Acq: 13 Mar 2020 23:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	38.1	30.2	45.2
54	49.4	41.8	62.8



#26

2-Nitrophenol

Concen: 5.535 ng

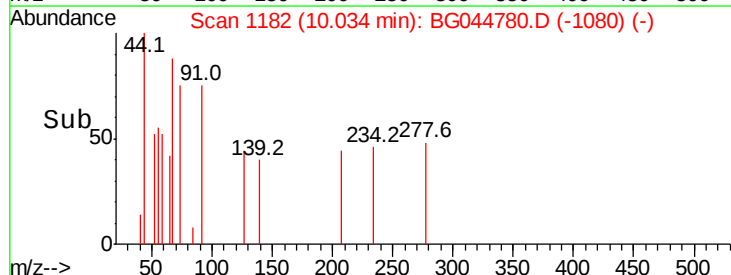
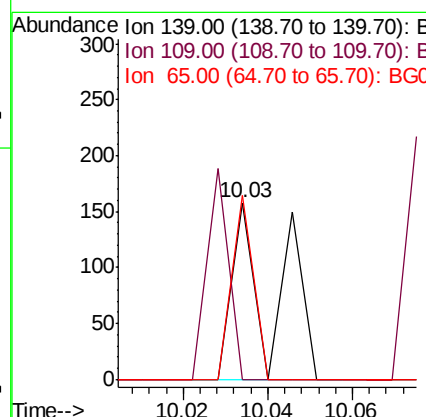
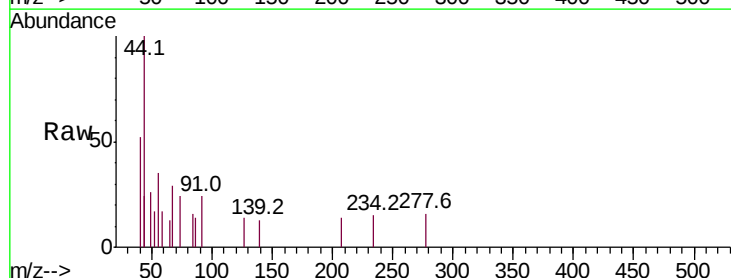
RT: 10.03 min Scan# 1182

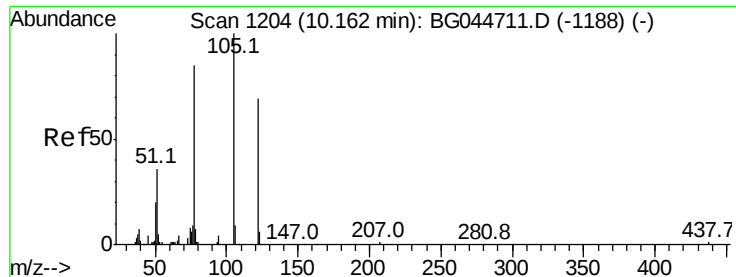
Delta R.T. 0.07 min

Lab File: BG044780.D

Acq: 13 Mar 2020 23:33

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	27.0	40.4#
65	103.8	48.6	73.0#

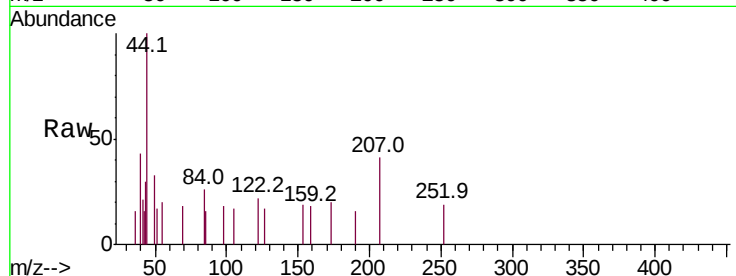




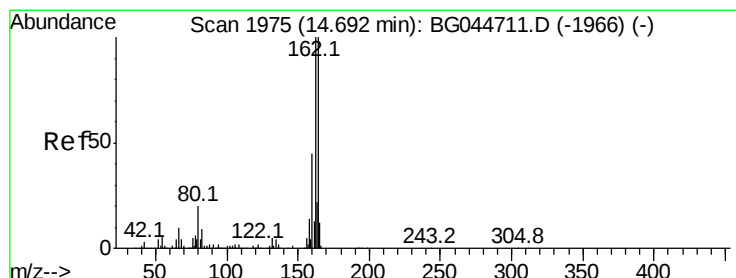
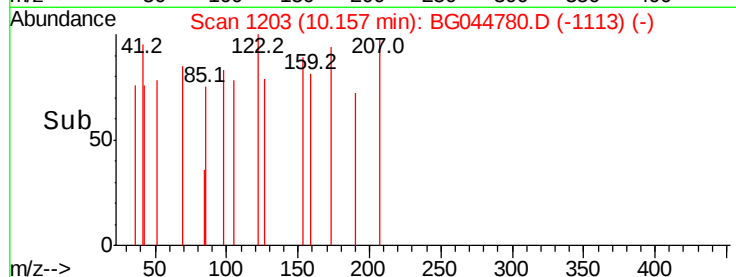
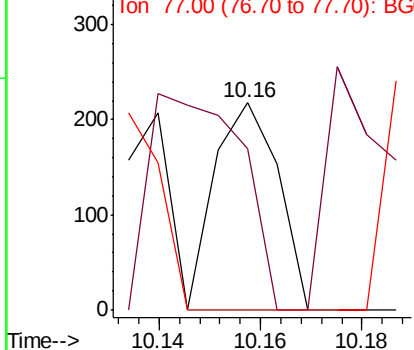
#32
Benzoic acid
Concen: 9.693 ng
RT: 10.16 min Scan# 1203
Delta R.T. -0.00 min
Lab File: BG044780.D
Acq: 13 Mar 2020 23:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion:122 Resp: 190
Ion Ratio Lower Upper
122 100
105 77.5 119.0 159.0#
77 0.0 96.4 136.4#

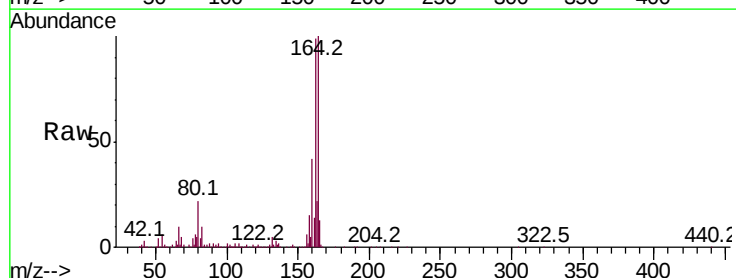


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): E

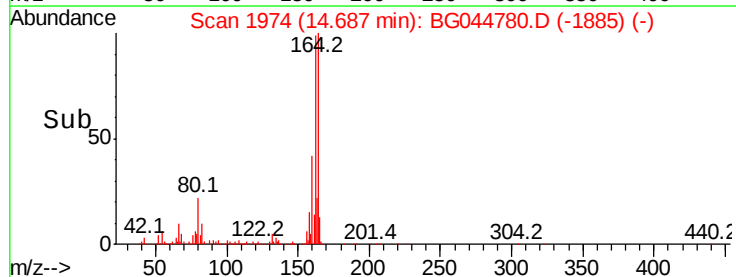
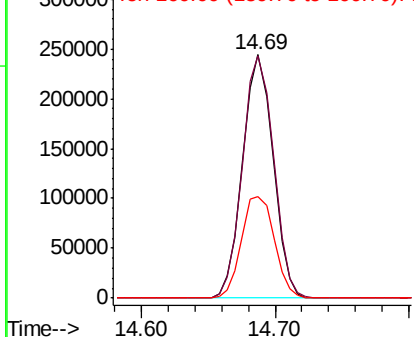


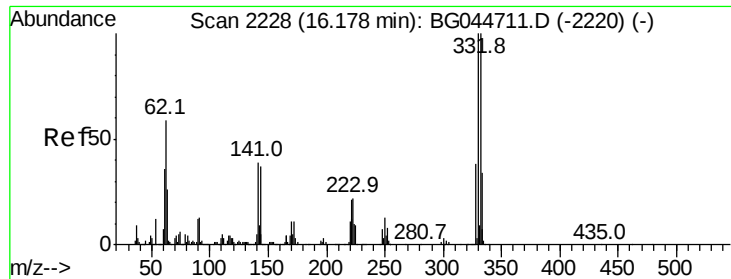
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.00 min
Lab File: BG044780.D
Acq: 13 Mar 2020 23:33

Tgt Ion:164 Resp: 385767
Ion Ratio Lower Upper
164 100
162 99.3 80.2 120.4
160 41.8 36.2 54.2



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

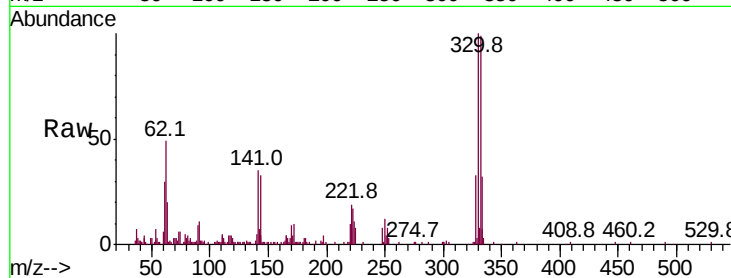




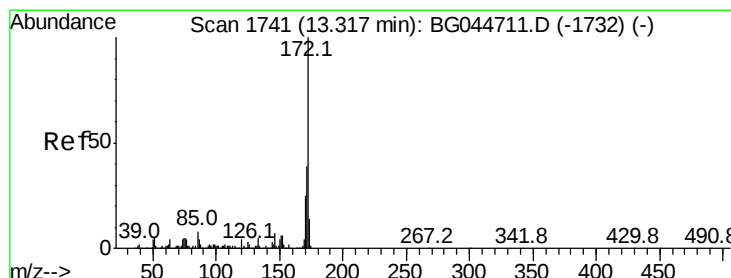
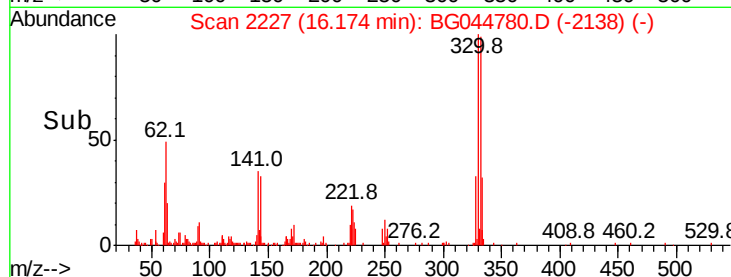
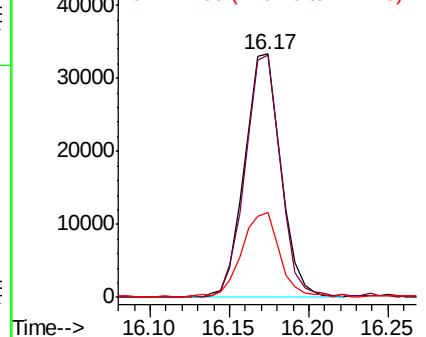
#42
 2,4,6-Tribromophenol
 Concen: 10.494 ng
 RT: 16.17 min Scan# 2227
 Delta R.T. -0.00 min
 Lab File: BG044780.D
 Acq: 13 Mar 2020 23:33

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.5	116.3
141	37.0	31.7	47.5

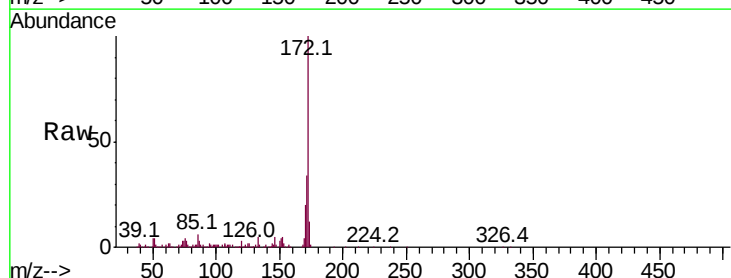


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

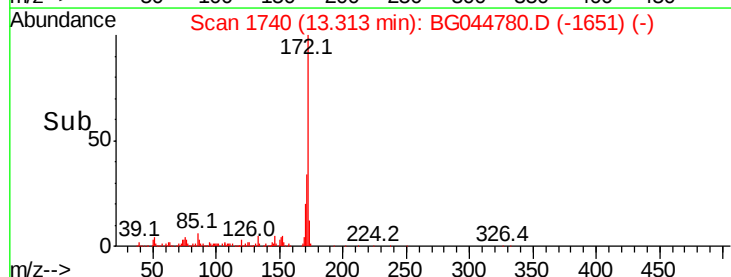
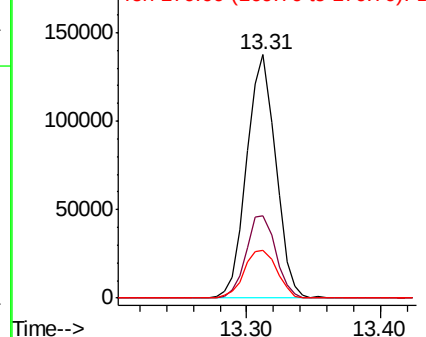


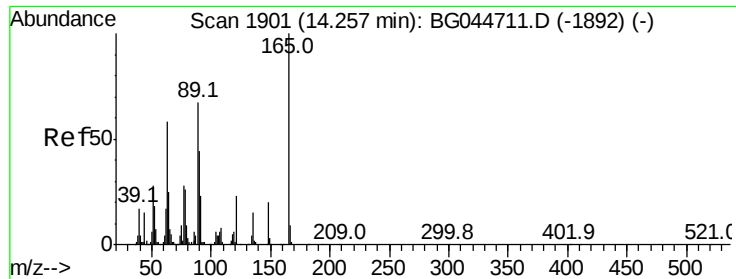
#45
 2-Fluorobiphenyl
 Concen: 7.650 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.00 min
 Lab File: BG044780.D
 Acq: 13 Mar 2020 23:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.7	30.8	46.2
170	19.7	20.0	30.0#



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 8.216 ng

RT: 14.69 min Scan# 1974

Delta R.T. 0.43 min

Lab File: BG044780.D

Acq: 13 Mar 2020 23:33

Instrument :

BNA_G

ClientSampleId :

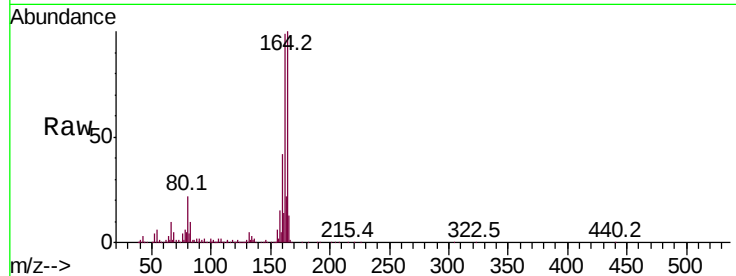
Tot Ion:165 Resp: 50882

Ion Ratio Lower Upper

165 100

63 1.4 48.9 73.3#

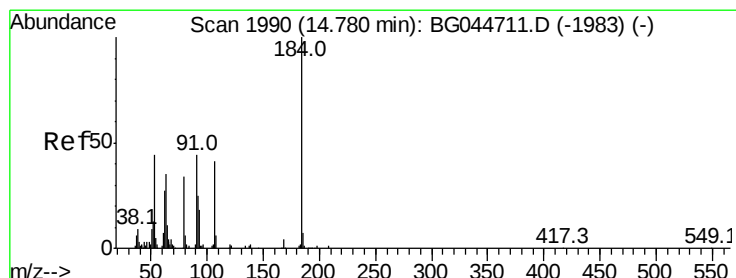
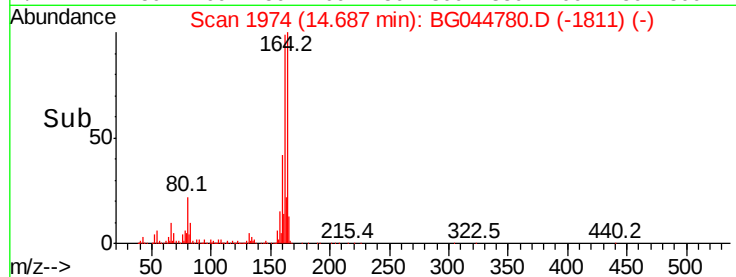
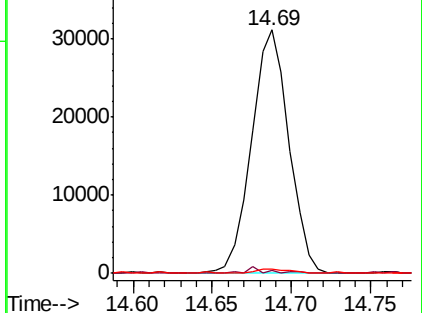
89 1.8 53.8 80.8#



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



#54

2,4-Dinitrophenol

Concen: 8.339 ng

RT: 14.83 min Scan# 1998

Delta R.T. 0.05 min

Lab File: BG044780.D

Acq: 13 Mar 2020 23:33

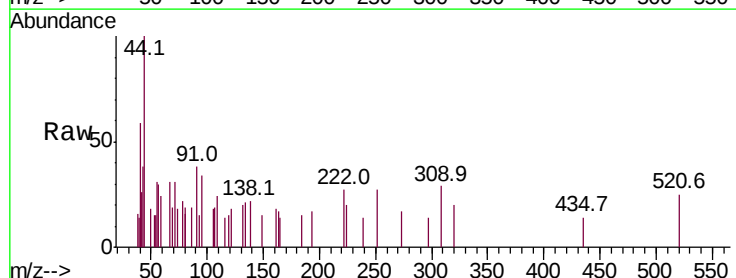
Tgt Ion:184 Resp: 59

Ion Ratio Lower Upper

184 100

63 0.0 49.0 73.6#

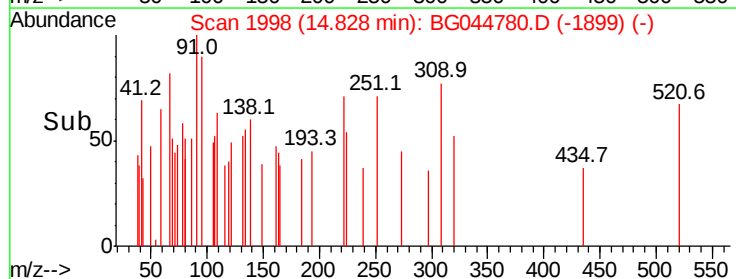
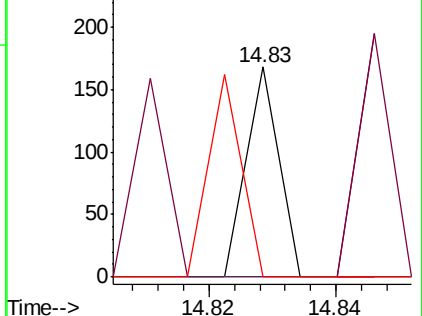
154 0.0 94.5 141.7#

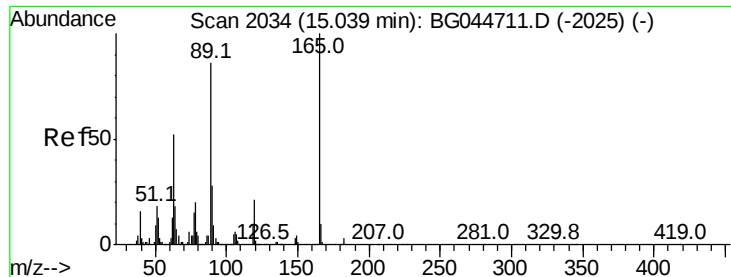


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

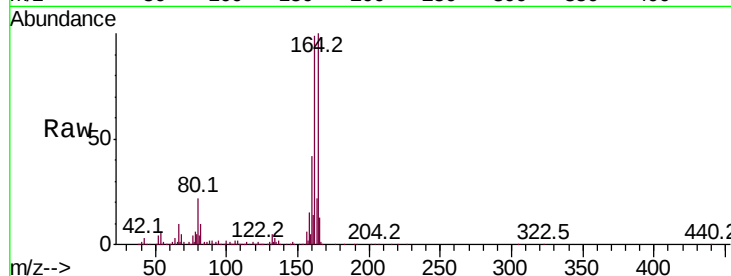




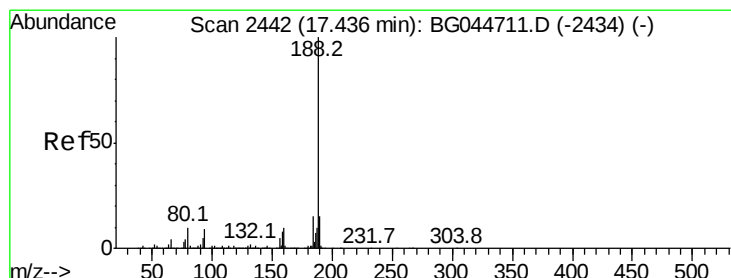
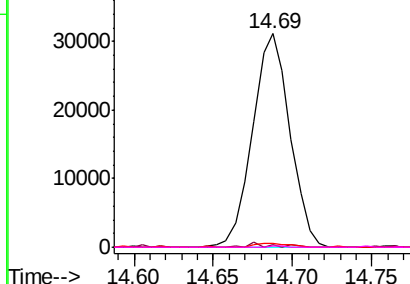
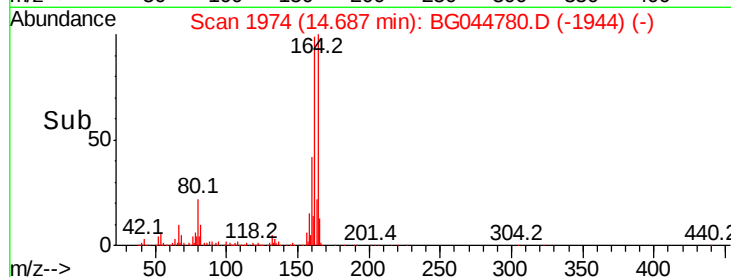
#57
2,4-Dinitrotoluene
Concen: 5.991 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.35 min
Lab File: BG044780.D
Acq: 13 Mar 2020 23:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 50882
Ion Ratio Lower Upper
165 100
63 1.4 41.5 62.3#
89 1.8 69.0 103.4#
182 0.6 2.7 4.1#

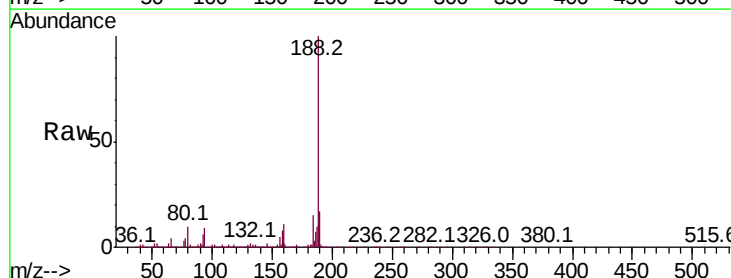


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

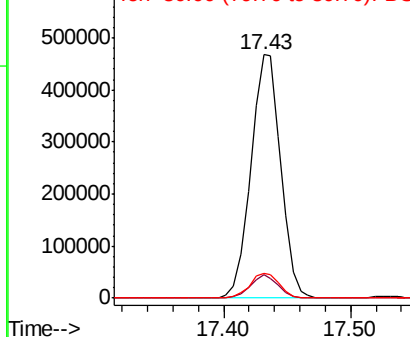
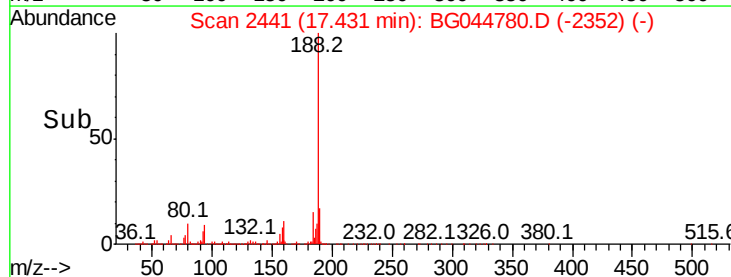


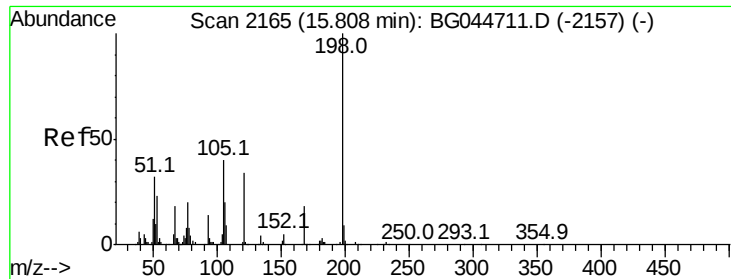
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.43 min Scan# 2441
Delta R.T. -0.00 min
Lab File: BG044780.D
Acq: 13 Mar 2020 23:33

Tgt Ion:188 Resp: 762581
Ion Ratio Lower Upper
188 100
94 9.4 7.0 10.6
80 10.3 8.4 12.6



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: 7.744 ng

RT: 15.88 min Scan# 2177

Delta R.T. 0.07 min

Lab File: BG044780.D

Acq: 13 Mar 2020 23:33

Instrument :

BNA_G

ClientSampled :

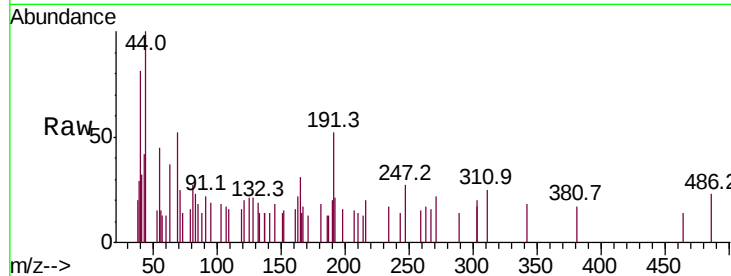
Tot Ion:198 Resp: 69

Ion Ratio Lower Upper

198 100

51 0.0 20.1 60.1#

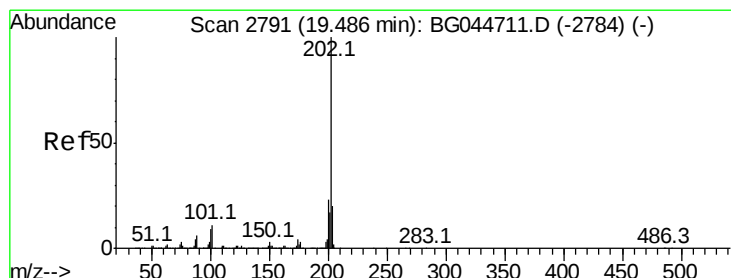
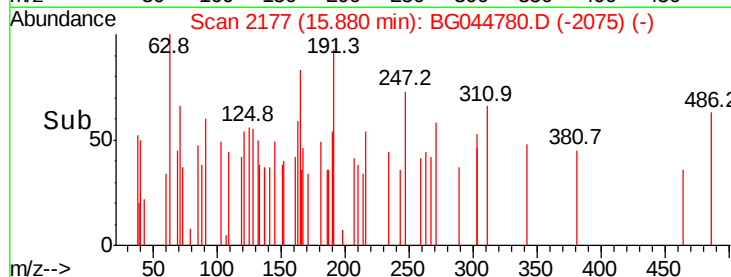
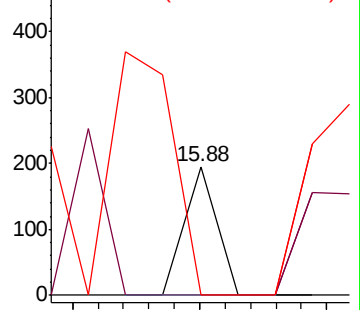
105 0.0 21.3 61.3#



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



#75

Fluoranthene

Concen: 2.160 ng

RT: 19.48 min Scan# 2790

Delta R.T. -0.00 min

Lab File: BG044780.D

Acq: 13 Mar 2020 23:33

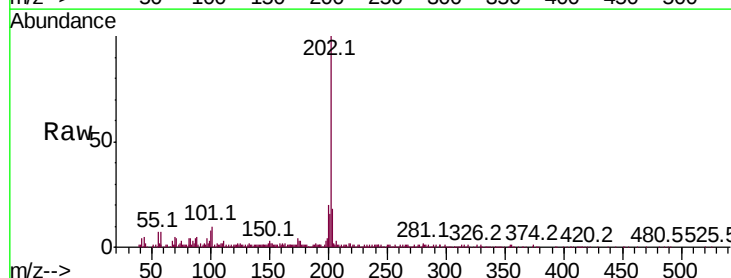
Tgt Ion:202 Resp: 104806

Ion Ratio Lower Upper

202 100

101 9.8 0.0 31.3

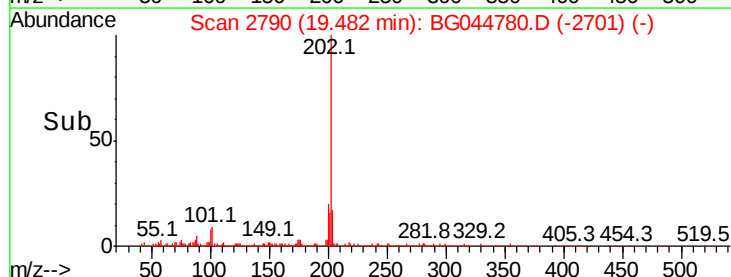
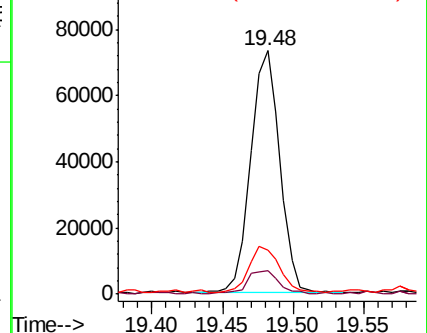
203 18.1 0.4 40.4

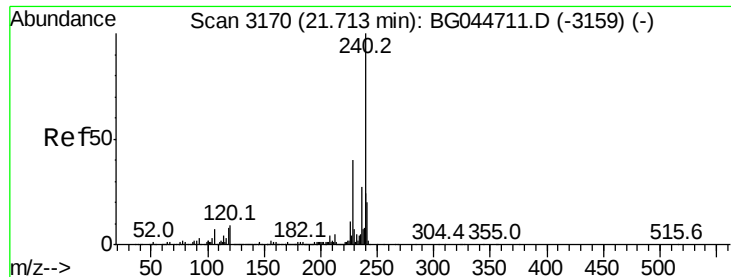


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.70 min Scan# 3168

Delta R.T. -0.01 min

Lab File: BG044780.D

Acq: 13 Mar 2020 23:33

Instrument :

BNA_G

ClientSampleId :

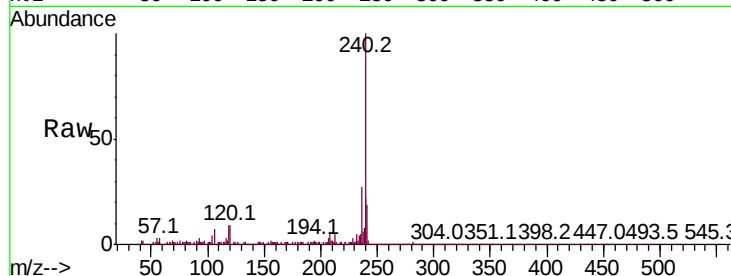
Tot Ion:240 Resp: 581980

Ion Ratio Lower Upper

240 100

120 8.9 6.9 10.3

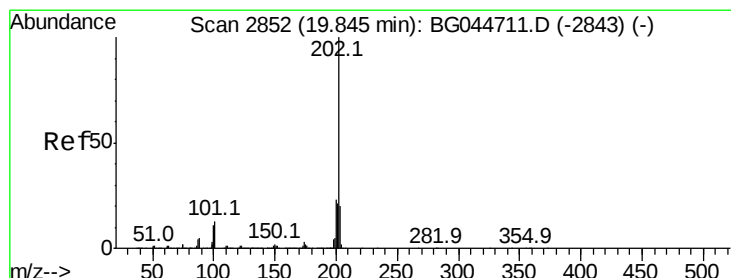
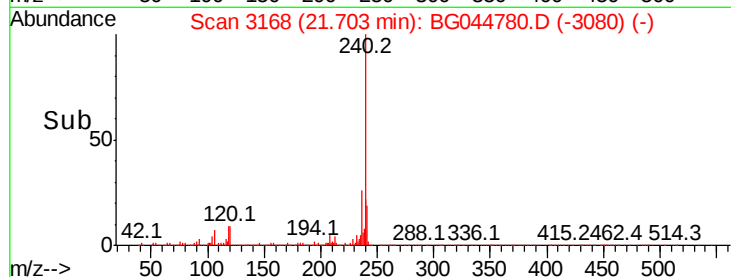
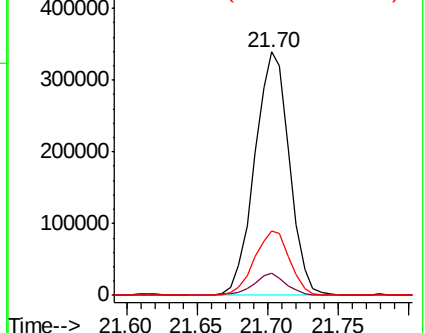
236 26.7 21.9 32.9



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: 2.352 ng

RT: 19.84 min Scan# 2851

Delta R.T. -0.00 min

Lab File: BG044780.D

Acq: 13 Mar 2020 23:33

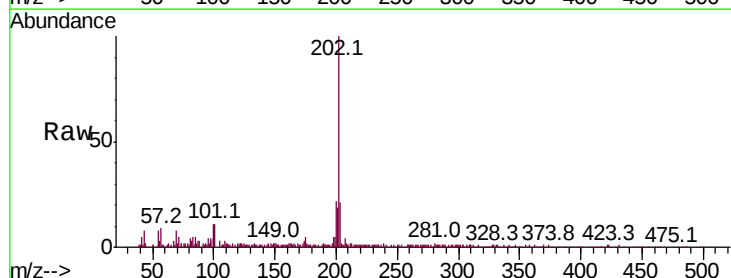
Tgt Ion:202 Resp: 100405

Ion Ratio Lower Upper

202 100

200 22.4 18.7 28.1

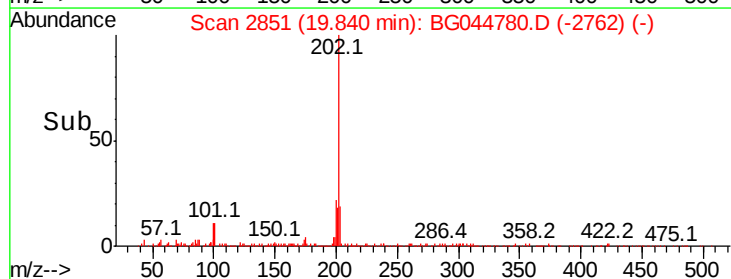
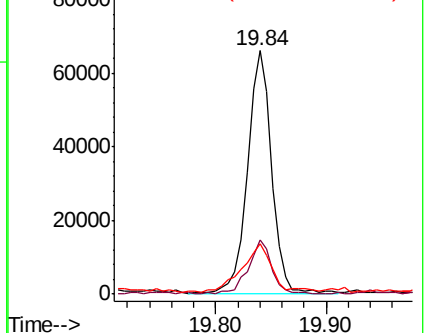
203 20.5 16.0 24.0

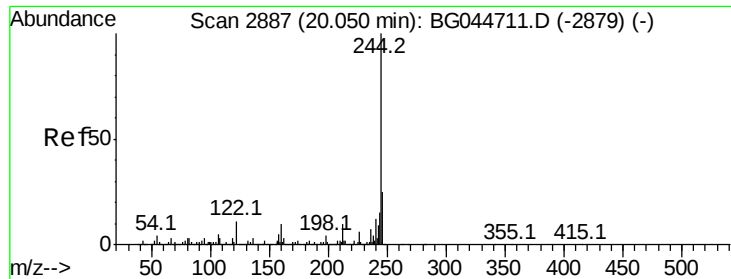


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 7.360 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG044780.D

Acq: 13 Mar 2020 23:33

Instrument :

BNA_G

ClientSampled :

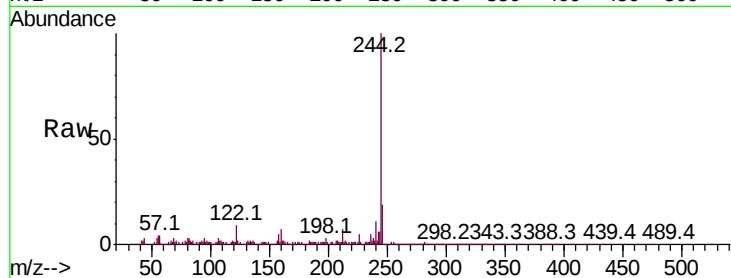
Tot Ion:244 Resp: 228986

Ion Ratio Lower Upper

244 100

212 7.2 8.4 12.6#

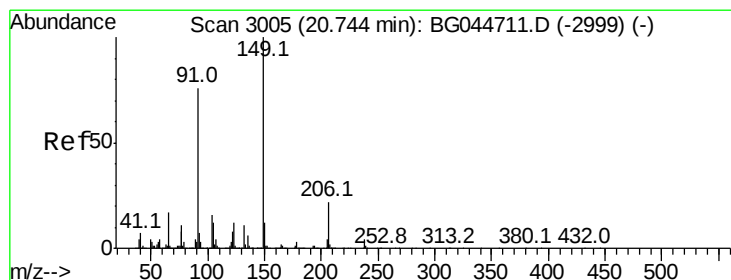
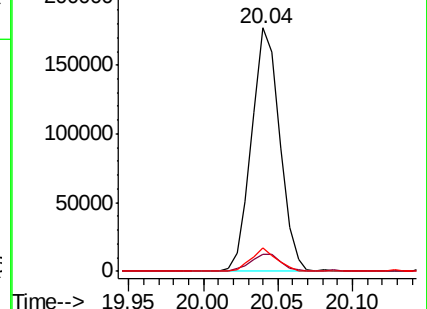
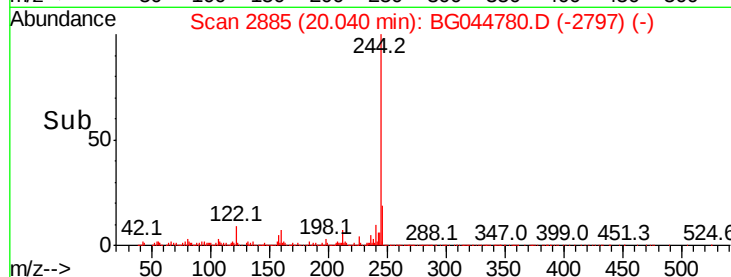
122 9.4 8.7 13.1



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



#80

Butylbenzylphthalate

Concen: 4.613 ng

RT: 20.73 min Scan# 3003

Delta R.T. -0.01 min

Lab File: BG044780.D

Acq: 13 Mar 2020 23:33

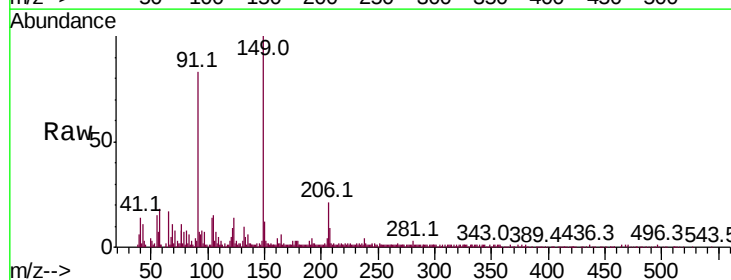
Tgt Ion:149 Resp: 87623

Ion Ratio Lower Upper

149 100

91 82.9 61.1 91.7

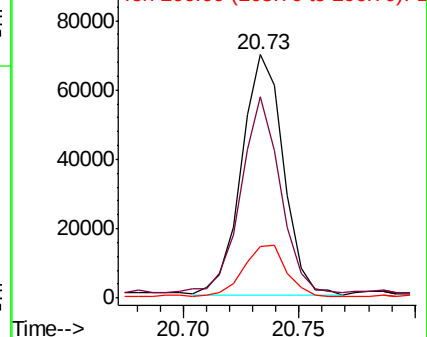
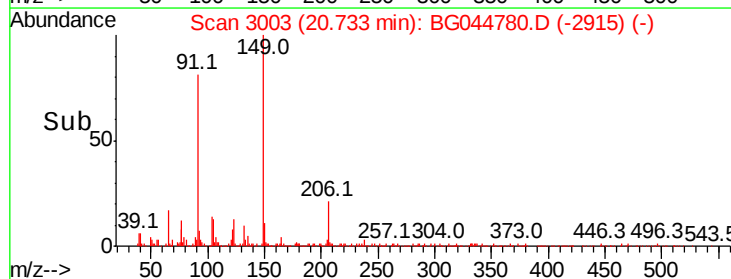
206 21.3 17.4 26.2

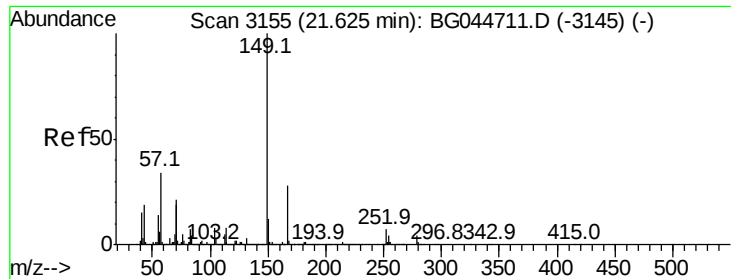


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 50.679 ng

RT: 21.61 min Scan# 3153

Delta R.T. -0.01 min

Lab File: BG044780.D

Acq: 13 Mar 2020 23:33

Instrument :

BNA_G

ClientSampleId :

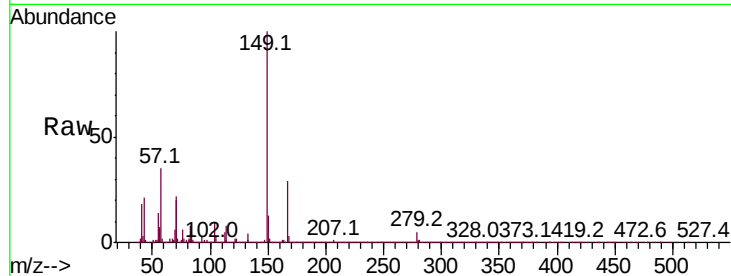
Tot Ion:149 Resp: 1328591

Ion Ratio Lower Upper

149 100

167 29.4 22.6 33.8

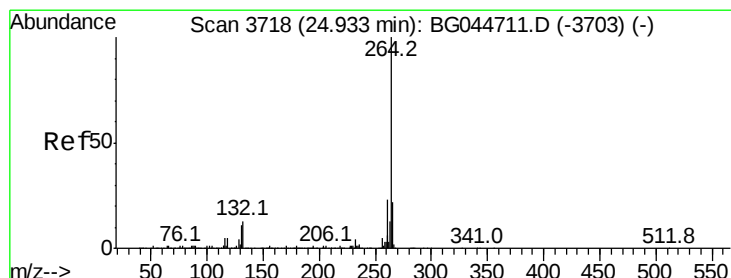
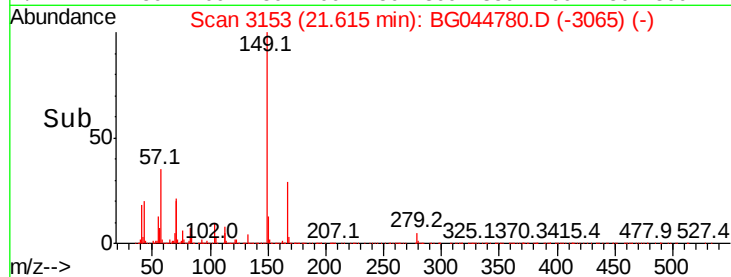
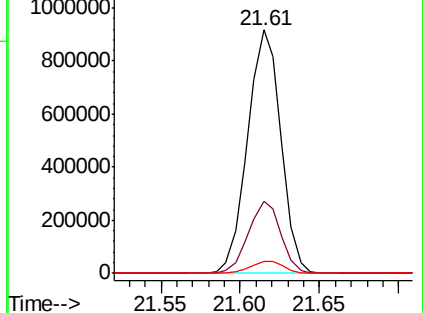
279 5.0 3.5 5.3



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.92 min Scan# 3716

Delta R.T. -0.01 min

Lab File: BG044780.D

Acq: 13 Mar 2020 23:33

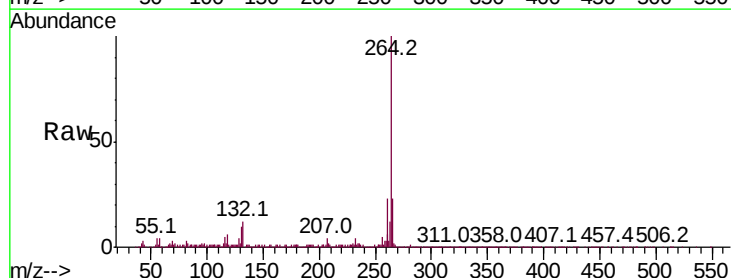
Tgt Ion:264 Resp: 667645

Ion Ratio Lower Upper

264 100

260 23.5 18.4 27.6

265 22.5 17.4 26.2



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

