

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021020\
 Data File : BG044379.D
 Acq On : 11 Feb 2020 7:48
 Operator : CG/JU
 Sample : L1449-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 11 08:28:13 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 10 16:11:50 2020
 Response via : Initial Calibration

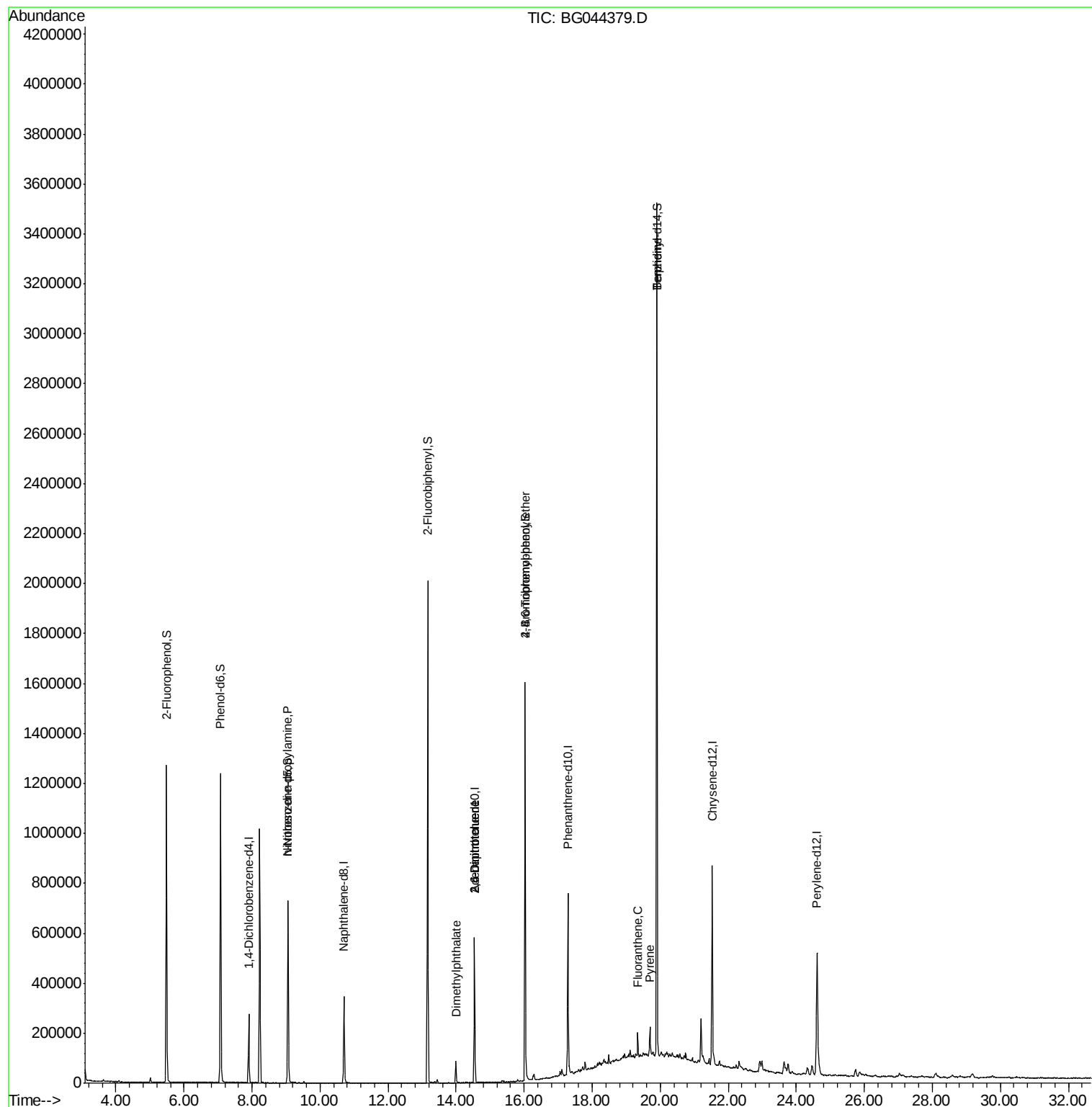
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	83922	20.00	ng	0.00
21) Naphthalene-d8	10.70	136	338929	20.00	ng	0.00
39) Acenaphthene-d10	14.54	164	215543	20.00	ng	0.00
64) Phenanthrene-d10	17.28	188	477564	20.00	ng	0.00
76) Chrysene-d12	21.53	240	461184	20.00	ng	0.00
87) Perylene-d12	24.61	264	486007	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	625263	131.49	ng	0.00
7) Phenol-d6	7.08	99	799557	125.21	ng	0.00
23) Nitrobenzene-d5	9.06	82	487537	81.21	ng	0.00
42) 2,4,6-Tribromophenol	16.03	330	313218	123.78	ng	0.00
45) 2-Fluorobiphenyl	13.16	172	1074212	83.46	ng	0.00
79) Terphenyl-d14	19.90	244	1620082	72.26	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.06	70	63009	14.806	ng	Qvalue # 77
50) Dimethylphthalate	14.00	163	71577	4.620	ng	98
51) 2,6-Dinitrotoluene	14.54	165	28697	8.307	ng	# 30
57) 2,4-Dinitrotoluene	14.54	165	28697	5.927	ng	# 27
67) 4-Bromophenyl-phenylether	16.03	248	21419	4.117	ng	# 1
75) Fluoranthene	19.34	202	58947	2.203	ng	97
77) Benzidine	19.90	184	26635	2.082	ng	# 93
78) Pyrene	19.70	202	65009	2.195	ng	95

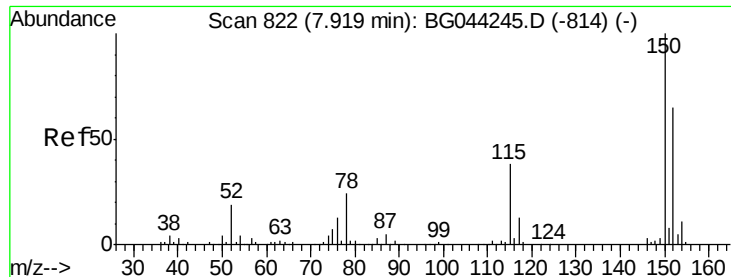
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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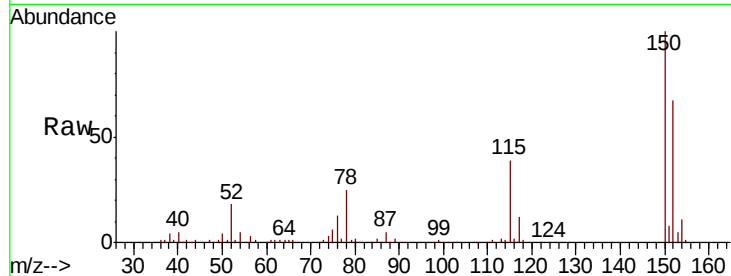


#1

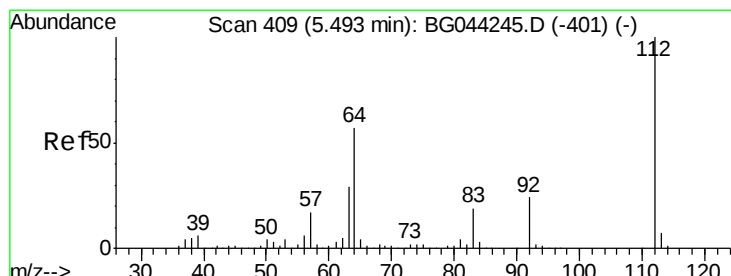
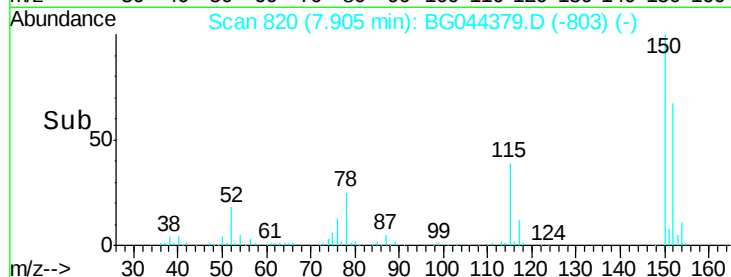
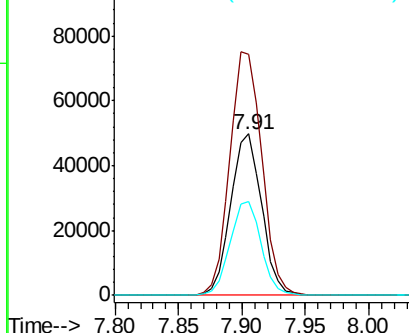
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.91 min Scan# 820
Delta R.T. -0.00 min
Lab File: BG044379.D
Acq: 11 Feb 2020 7:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 83922
Ion Ratio Lower Upper
152 100
150 149.7 122.6 183.8
115 58.1 46.0 69.0



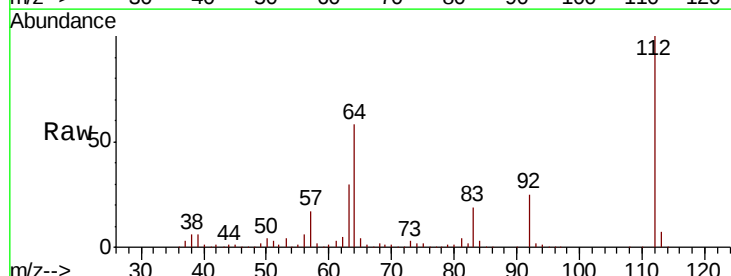
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



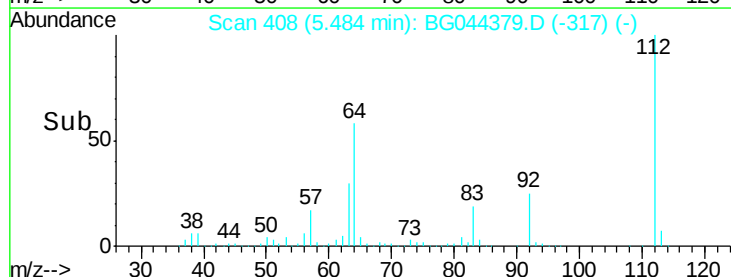
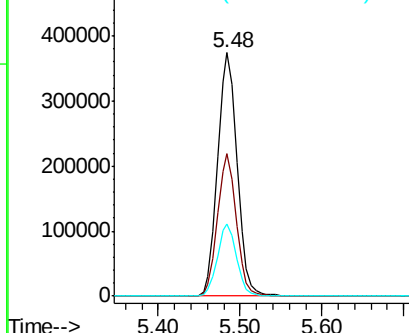
#5

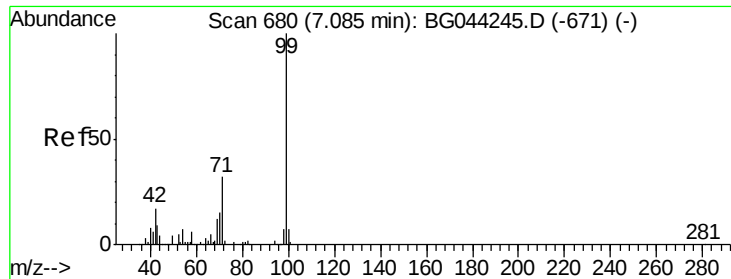
2-Fluorophenol
Concen: 131.490 ng
RT: 5.48 min Scan# 408
Delta R.T. 0.01 min
Lab File: BG044379.D
Acq: 11 Feb 2020 7:48

Tgt Ion:112 Resp: 625263
Ion Ratio Lower Upper
112 100
64 58.3 45.4 68.2
63 29.7 22.9 34.3



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: 125.214 ng

RT: 7.08 min Scan# 679

Delta R.T. -0.00 min

Lab File: BG044379.D

Acq: 11 Feb 2020 7:48

Instrument :

BNA_G

ClientSampleId :

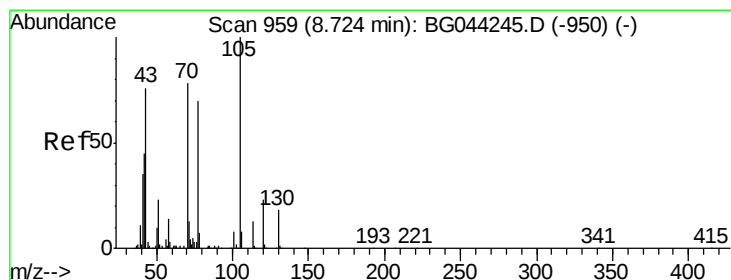
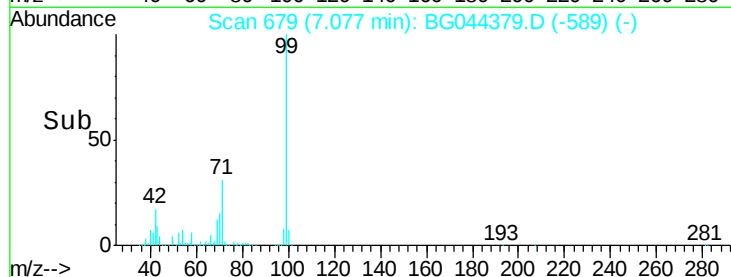
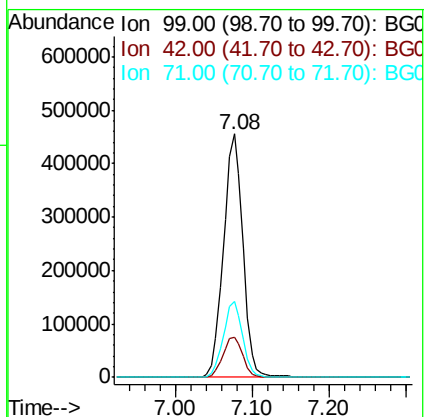
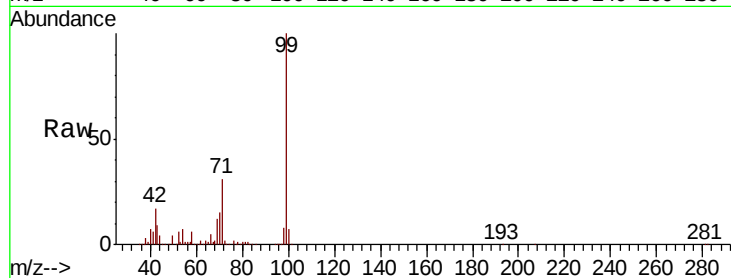
Tot Ion: 99 Resp: 799557

Ion Ratio Lower Upper

99 100

42 16.6 13.8 20.6

71 31.0 25.5 38.3



#19

n-Nitroso-di-n-propylamine

Concen: 14.806 ng

RT: 9.06 min Scan# 1016

Delta R.T. 0.35 min

Lab File: BG044379.D

Acq: 11 Feb 2020 7:48

Tgt Ion: 70 Resp: 63009

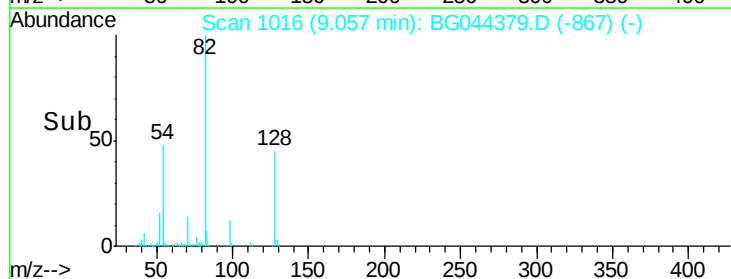
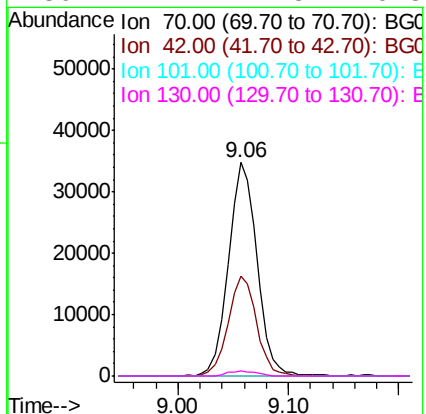
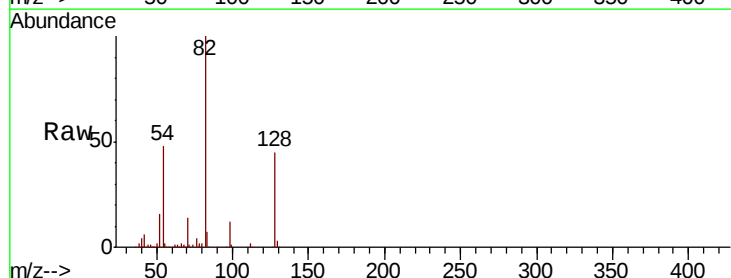
Ion Ratio Lower Upper

70 100

42 46.5 46.2 69.2

101 0.0 8.4 12.6#

130 2.2 17.8 26.8#

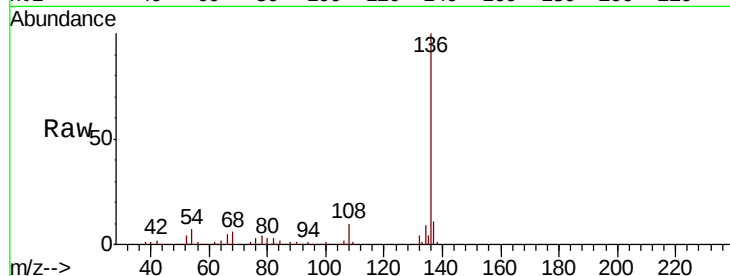




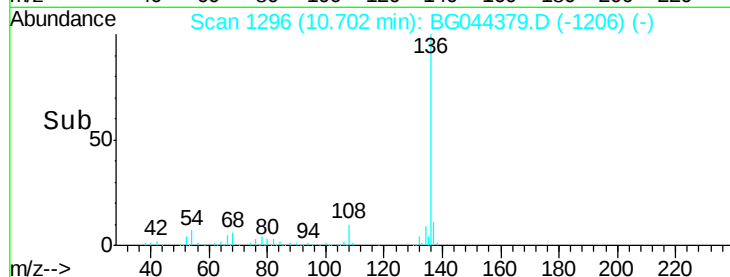
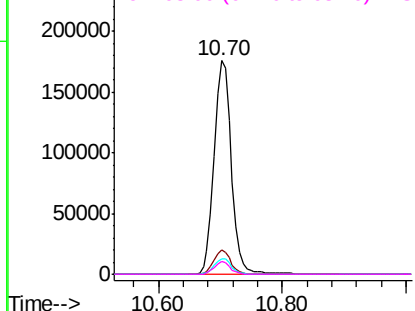
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.70 min Scan# 1296
Delta R.T. -0.00 min
Lab File: BG044379.D
Acq: 11 Feb 2020 7:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	338929
Ion	Ratio	Lower Upper
136	100	
137	11.1	8.8 13.2
54	7.4	5.8 8.8
68	5.8	4.6 6.8

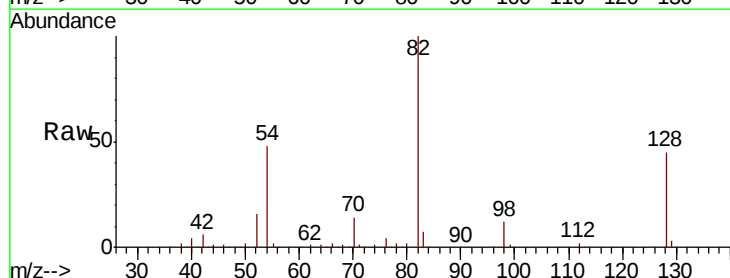


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

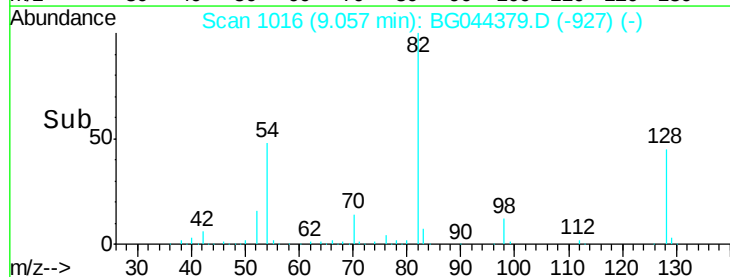
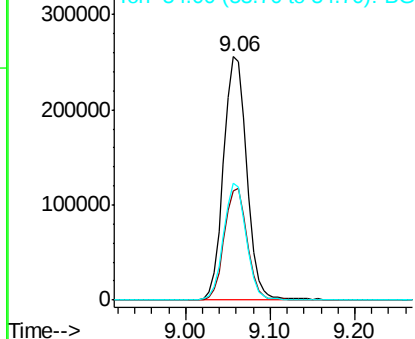


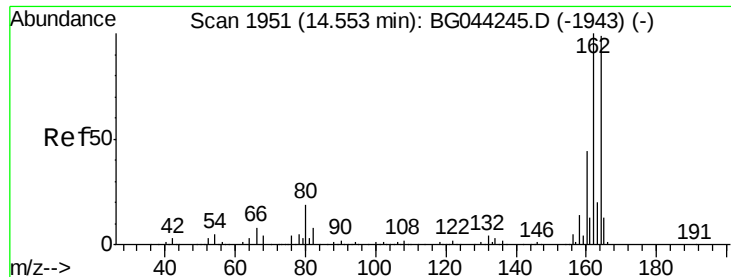
#23
Nitrobenzene-d5
Concen: 81.210 ng
RT: 9.06 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BG044379.D
Acq: 11 Feb 2020 7:48

Tgt Ion: 82	Resp:	487537
Ion	Ratio	Lower Upper
82	100	
128	45.0	36.5 54.7
54	48.2	38.6 58.0



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

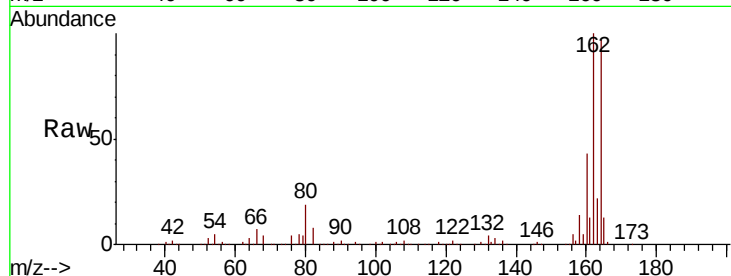




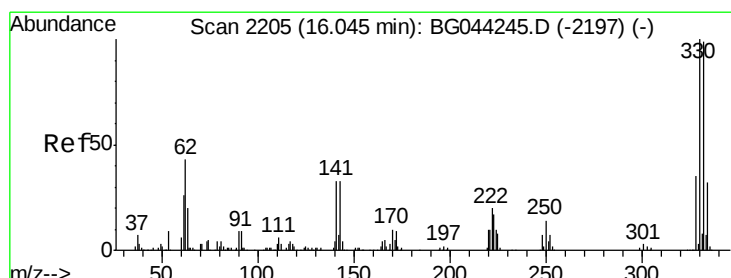
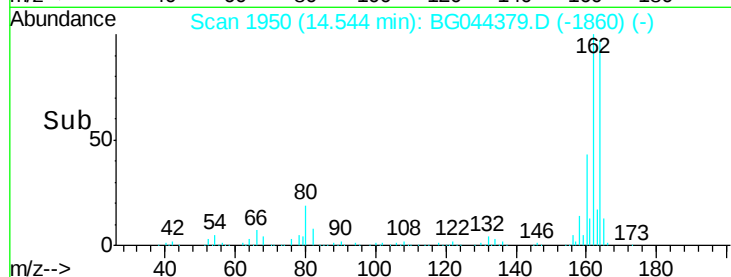
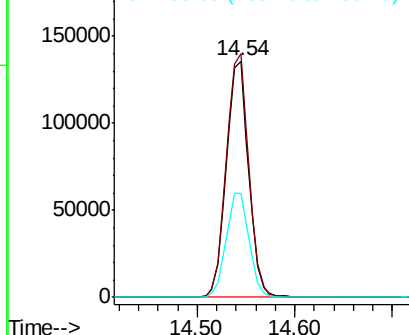
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.54 min Scan# 1950
Delta R.T. -0.00 min
Lab File: BG044379.D
Acq: 11 Feb 2020 7:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 215543
Ion Ratio Lower Upper
164 100
162 103.0 80.7 121.1
160 44.1 35.3 52.9

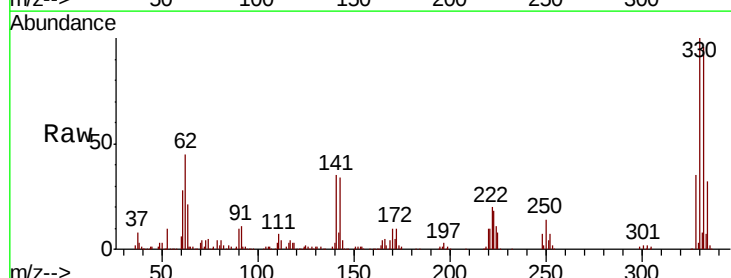


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

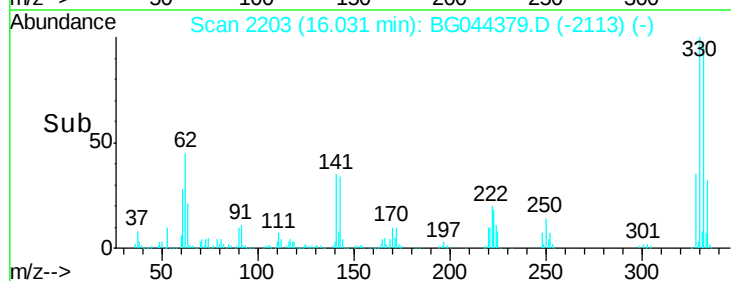
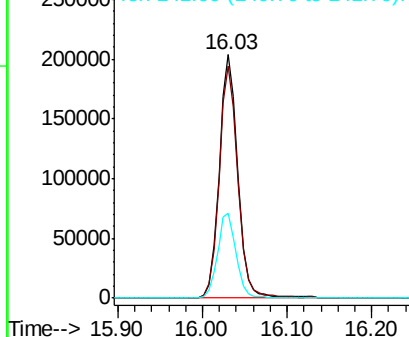


#42
2,4,6-Tribromophenol
Concen: 123.784 ng
RT: 16.03 min Scan# 2203
Delta R.T. -0.00 min
Lab File: BG044379.D
Acq: 11 Feb 2020 7:48

Tgt Ion:330 Resp: 313218
Ion Ratio Lower Upper
330 100
332 94.9 77.2 115.8
141 35.5 28.3 42.5



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



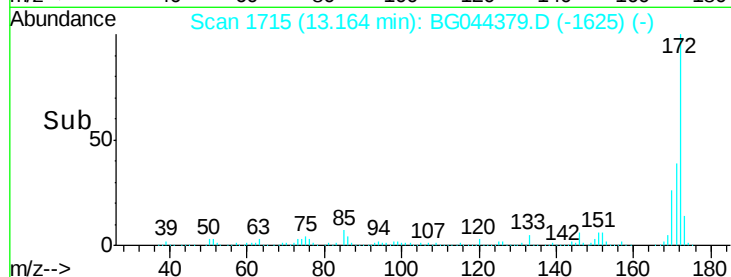
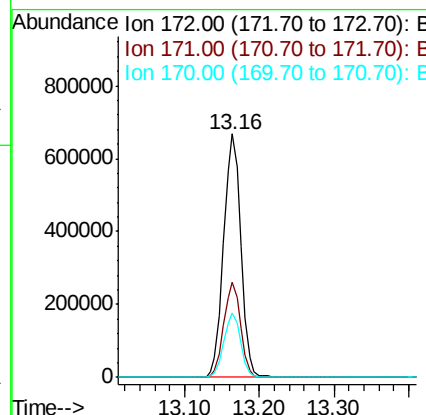
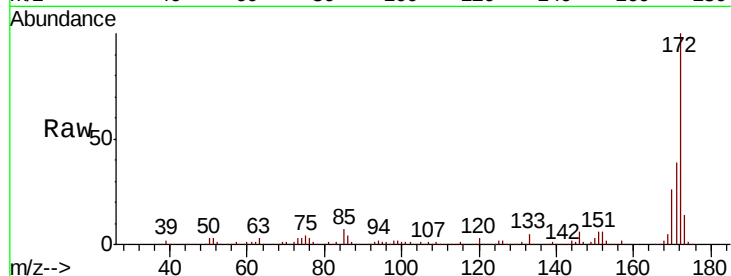


#45
 2-Fluorobiphenyl
 Concen: 83.456 ng
 RT: 13.16 min Scan# 1715
 Delta R.T. -0.00 min
 Lab File: BG044379.D
 Acq: 11 Feb 2020 7:48

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 1074212

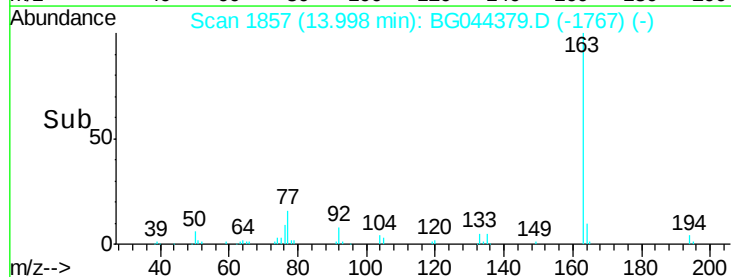
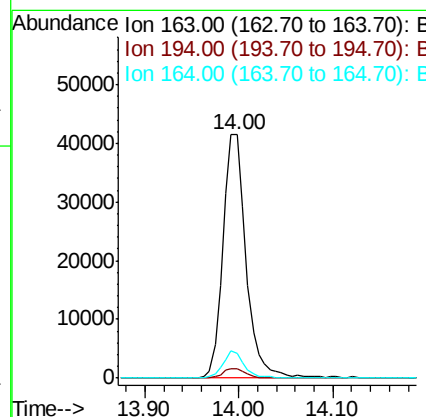
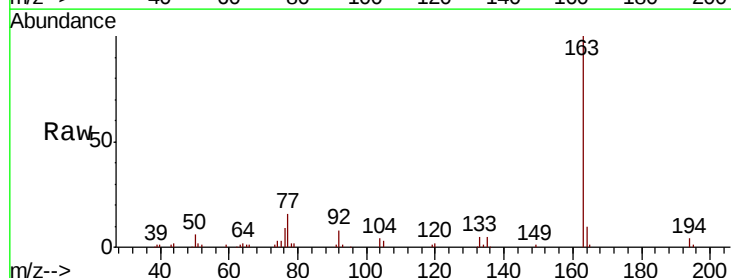
Ion	Ratio	Lower	Upper
172	100		
171	39.2	32.9	49.3
170	26.2	22.0	33.0

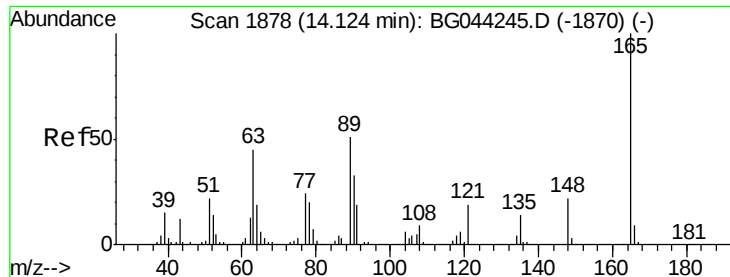


#50
 Dimethylphthalate
 Concen: 4.620 ng
 RT: 14.00 min Scan# 1857
 Delta R.T. -0.00 min
 Lab File: BG044379.D
 Acq: 11 Feb 2020 7:48

Tgt Ion:163 Resp: 71577

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.6	5.4
164	9.9	8.7	13.1

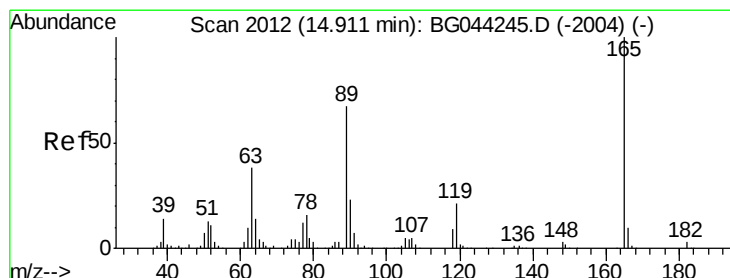
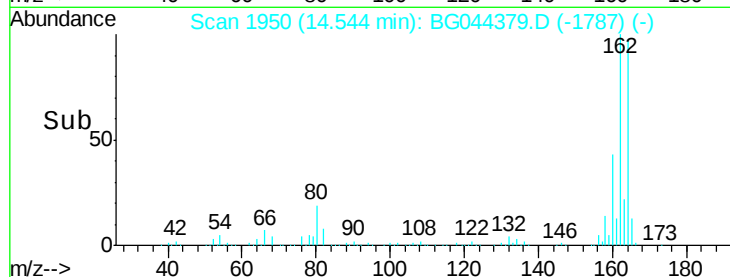
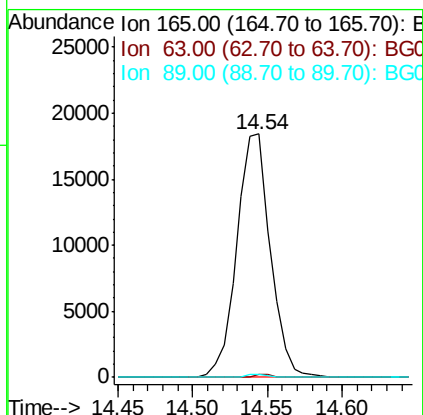
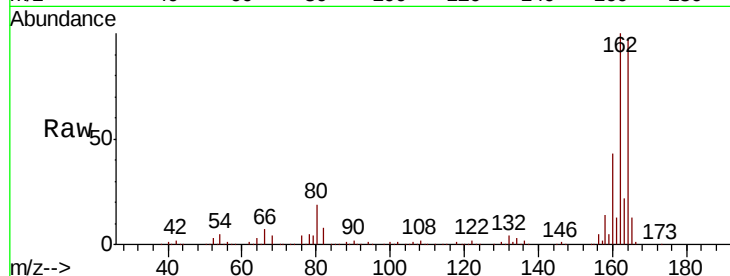




#51
 2,6-Dinitrotoluene
 Concen: 8.307 ng
 RT: 14.54 min Scan# 1950
 Delta R.T. 0.43 min
 Lab File: BG044379.D
 Acq: 11 Feb 2020 7:48

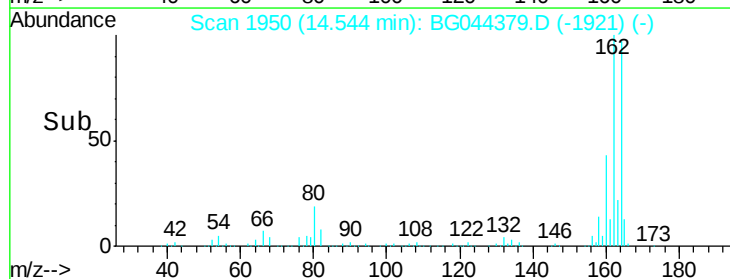
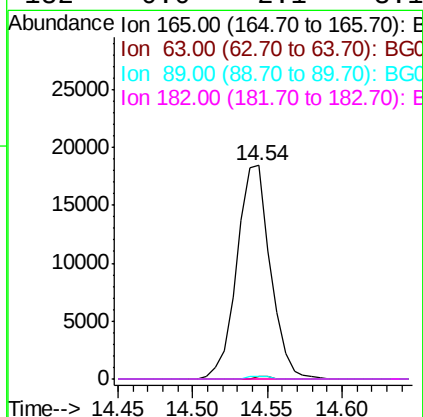
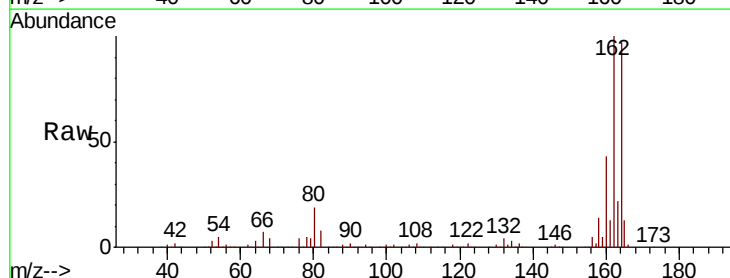
Instrument :
 BNA_G
 ClientSampleId :

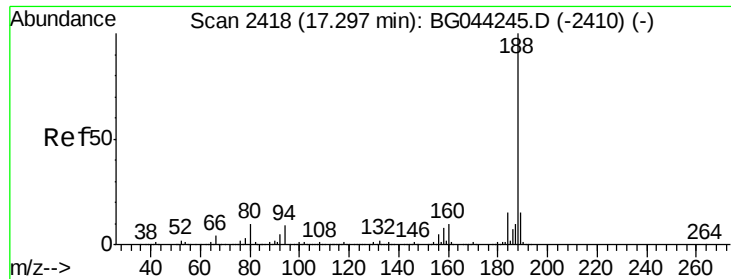
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	38.7	58.1#
89	1.3	40.4	60.6#



#57
 2,4-Dinitrotoluene
 Concen: 5.927 ng
 RT: 14.54 min Scan# 1950
 Delta R.T. -0.36 min
 Lab File: BG044379.D
 Acq: 11 Feb 2020 7:48

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	30.3	45.5#
89	1.3	53.4	80.2#
182	0.0	2.1	3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.28 min Scan# 2416

Delta R.T. -0.01 min

Lab File: BG044379.D

Acq: 11 Feb 2020 7:48

Instrument :

BNA_G

ClientSampleId :

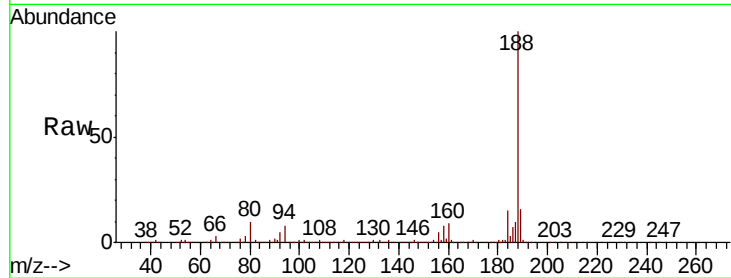
Tot Ion:188 Resp: 477564

Ion Ratio Lower Upper

188 100

94 8.3 7.4 11.2

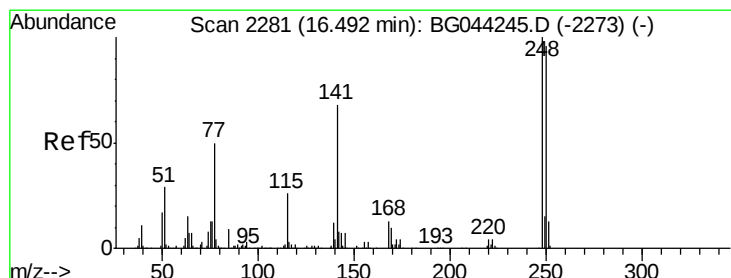
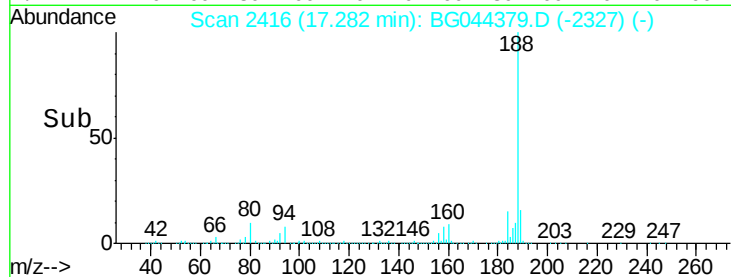
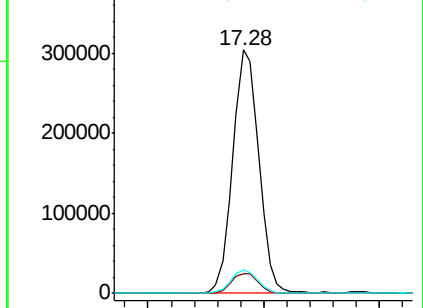
80 9.7 7.7 11.5



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



#67

4-Bromophenyl-phenylether

Concen: 4.117 ng

RT: 16.03 min Scan# 2203

Delta R.T. -0.45 min

Lab File: BG044379.D

Acq: 11 Feb 2020 7:48

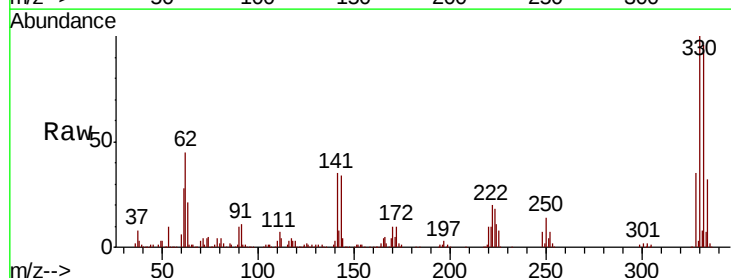
Tgt Ion:248 Resp: 21419

Ion Ratio Lower Upper

248 100

250 206.9 76.6 114.8#

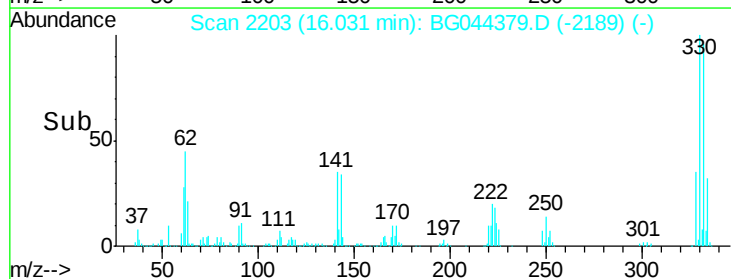
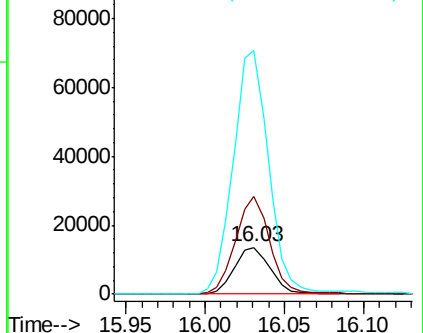
141 516.9 54.7 82.1#

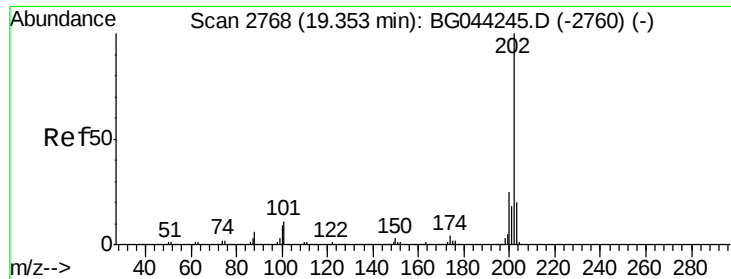


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Fluoranthene

Concen: 2.203 ng

RT: 19.34 min Scan# 2766

Delta R.T. -0.00 min

Lab File: BG044379.D

Acq: 11 Feb 2020 7:48

Instrument :

BNA_G

ClientSampled :

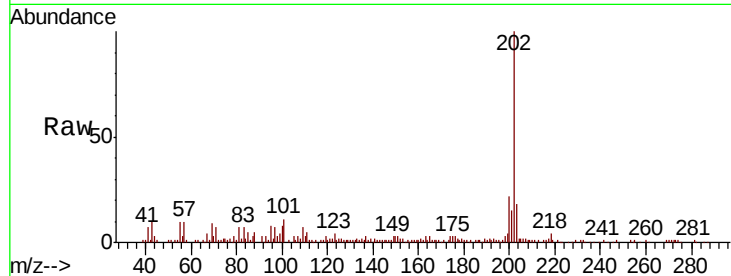
Tot Ion:202 Resp: 58947

Ion Ratio Lower Upper

202 100

101 11.4 0.0 31.3

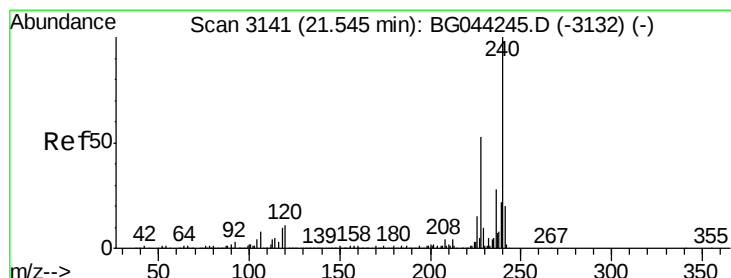
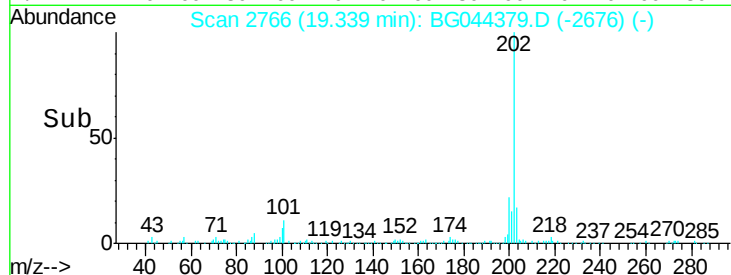
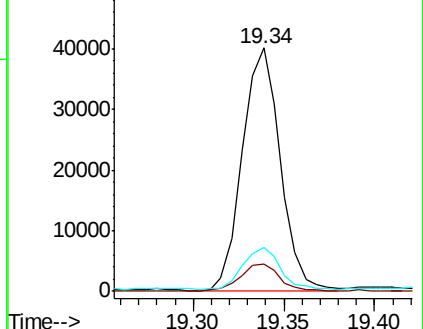
203 18.0 0.0 39.9



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: 21.53 min Scan# 3139

Delta R.T. -0.01 min

Lab File: BG044379.D

Acq: 11 Feb 2020 7:48

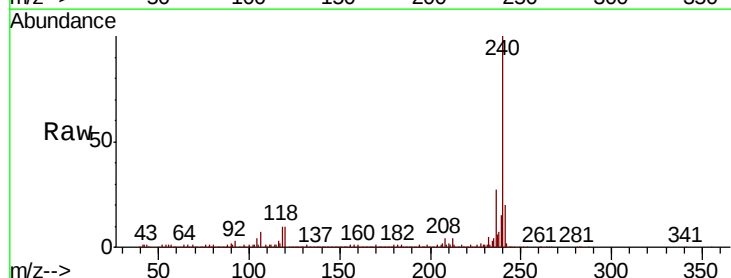
Tgt Ion:240 Resp: 461184

Ion Ratio Lower Upper

240 100

120 10.4 8.4 12.6

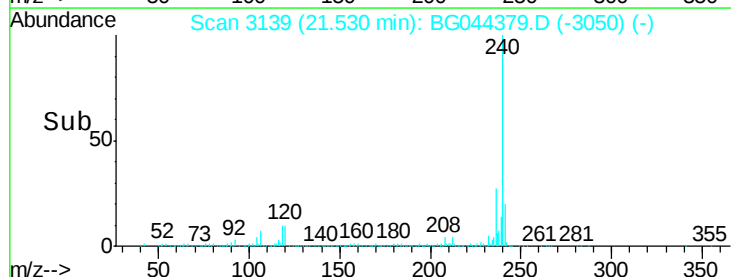
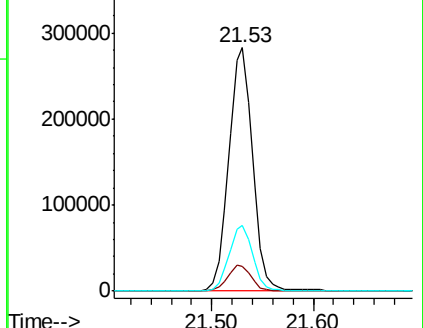
236 26.8 22.1 33.1

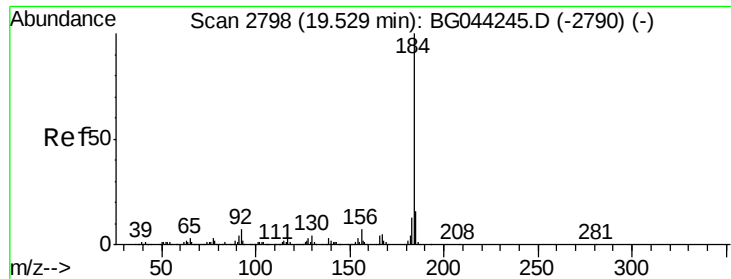


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.082 ng

RT: 19.90 min Scan# 2862

Delta R.T. 0.38 min

Lab File: BG044379.D

Acq: 11 Feb 2020 7:48

Instrument :

BNA_G

ClientSampleId :

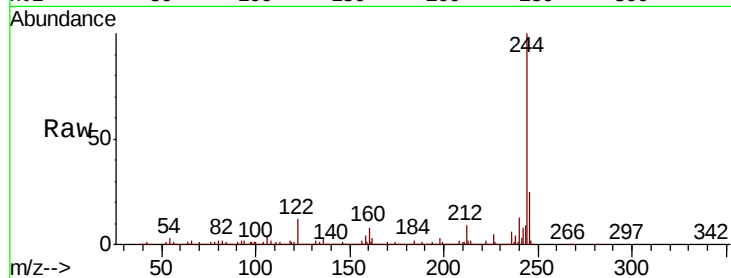
Tot Ion:184 Resp: 26635

Ion Ratio Lower Upper

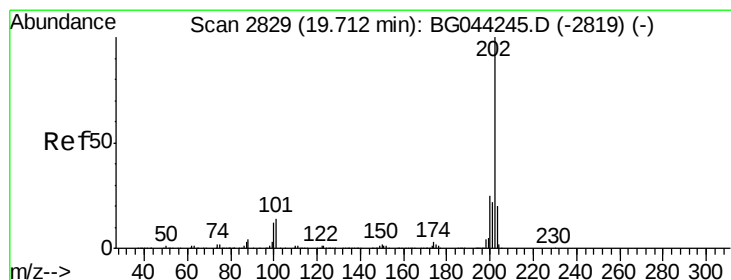
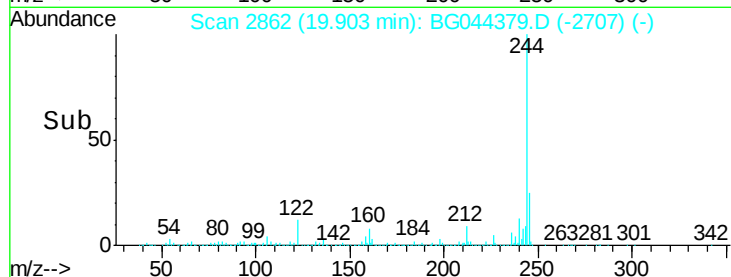
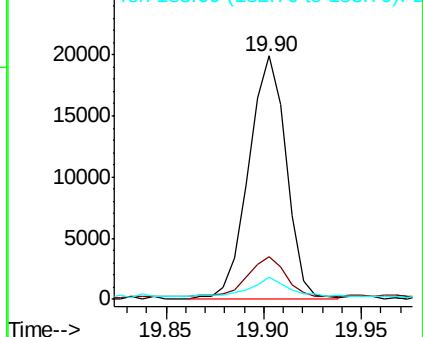
184 100

185 17.6 12.9 19.3

183 8.9 10.8 16.2#



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: 2.195 ng

RT: 19.70 min Scan# 2827

Delta R.T. -0.01 min

Lab File: BG044379.D

Acq: 11 Feb 2020 7:48

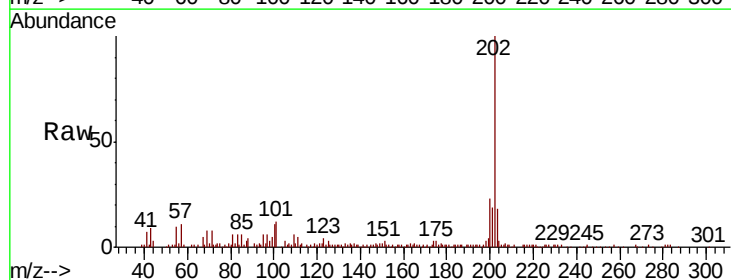
Tgt Ion:202 Resp: 65009

Ion Ratio Lower Upper

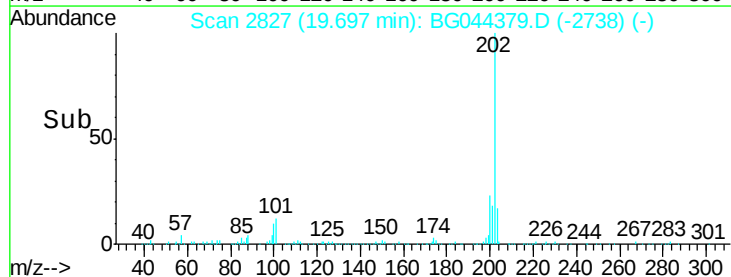
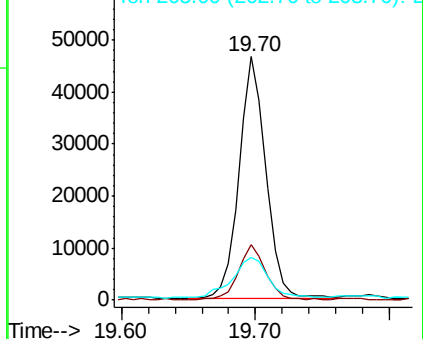
202 100

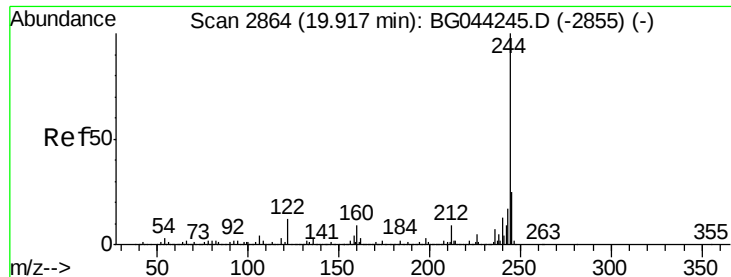
200 23.0 20.0 30.0

203 17.7 16.2 24.2



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: 72.255 ng

RT: 19.90 min Scan# 2862

Delta R.T. -0.00 min

Lab File: BG044379.D

Acq: 11 Feb 2020 7:48

Instrument :

BNA_G

ClientSampleId :

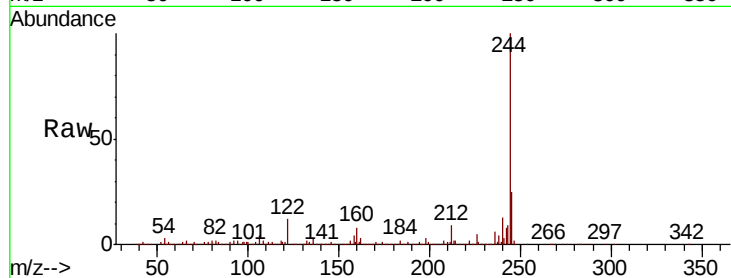
Tot Ion:244 Resp: 1620082

Ion Ratio Lower Upper

244 100

212 9.0 7.4 11.2

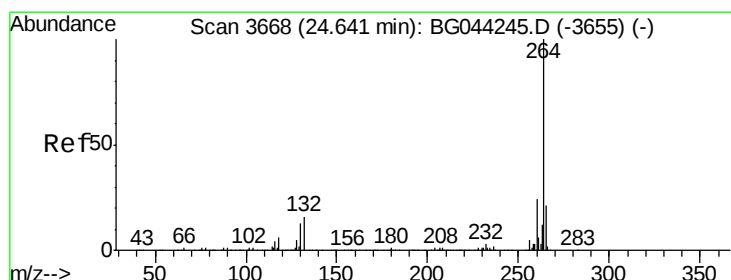
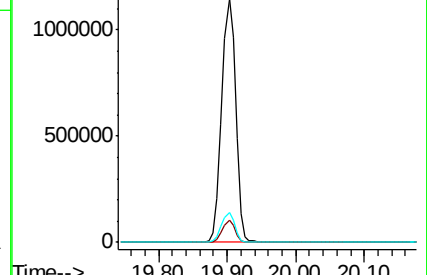
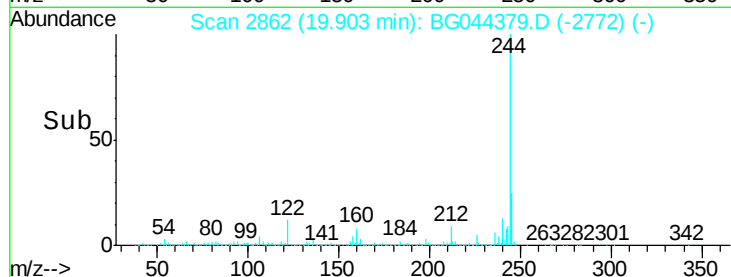
122 12.0 9.8 14.6



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: 24.61 min Scan# 3663

Delta R.T. -0.01 min

Lab File: BG044379.D

Acq: 11 Feb 2020 7:48

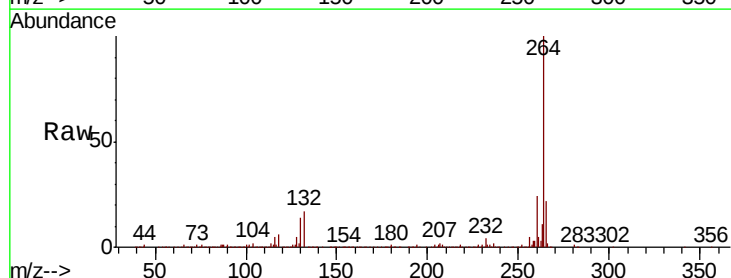
Tgt Ion:264 Resp: 486007

Ion Ratio Lower Upper

264 100

260 24.0 19.4 29.2

265 22.0 16.7 25.1



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

