

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091219\
 Data File : BG042810.D
 Acq On : 13 Sep 2019 10:17
 Operator : HP/JU
 Sample : PB122847BL
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 13 13:08:07 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG091219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 12 14:06:09 2019
 Response via : Initial Calibration

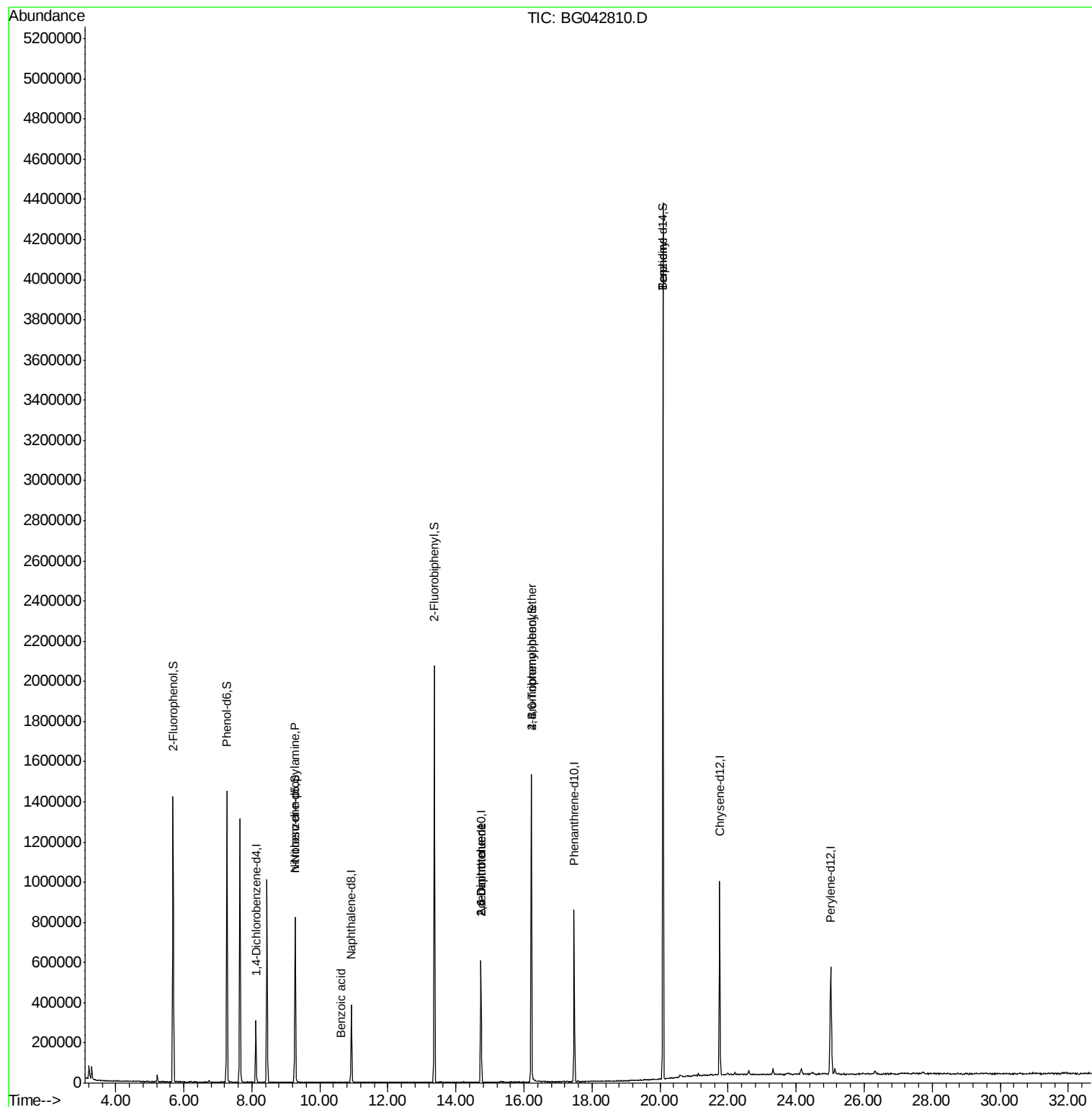
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	86178	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	324462	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	220364	20.00	ng	-0.01
64) Phenanthrene-d10	17.47	188	534148	20.00	ng	-0.01
76) Chrysene-d12	21.75	240	573855	20.00	ng	-0.01
87) Perylene-d12	25.02	264	616371	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	562375	113.45	ng	0.00
7) Phenol-d6	7.27	99	805100	113.16	ng	0.00
23) Nitrobenzene-d5	9.27	82	496514	79.67	ng	-0.01
42) 2,4,6-Tribromophenol	16.22	330	316571	107.98	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	1091871	78.43	ng	-0.01
79) Terphenyl-d14	20.08	244	2057711	79.47	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.27	70	67857	12.943	ng	# 69
32) Benzoic acid	10.61	122	58	5.978	ng	# 36
51) 2,6-Dinitrotoluene	14.74	165	30043	8.869	ng	# 20
57) 2,4-Dinitrotoluene	14.74	165	30043	6.654	ng	# 24
67) 4-Bromophenyl-phenylether	16.21	248	21435	3.315	ng	# 1
77) Benzidine	20.08	184	35373	2.206	ng	# 94

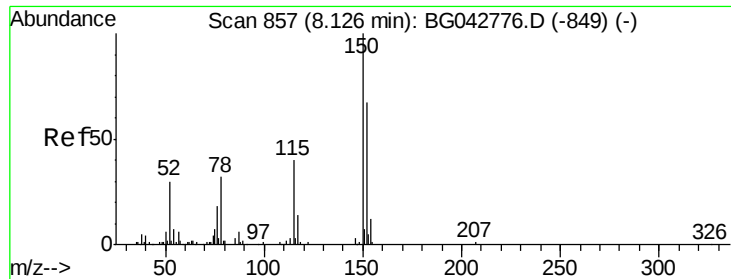
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
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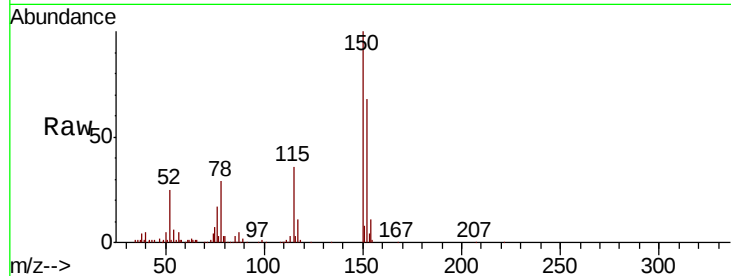


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 856
Delta R.T. -0.01 min
Lab File: BG042810.D
Acq: 13 Sep 2019 10:17

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	146.8	118.9	178.3
115	52.9	47.4	71.2

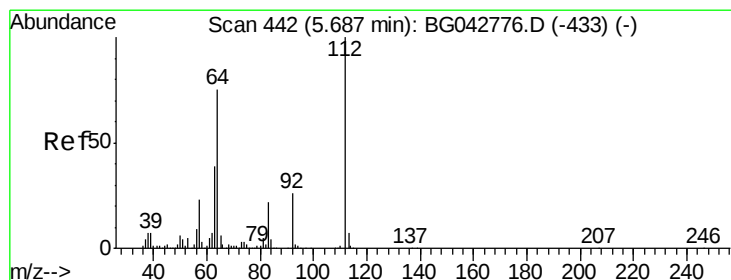
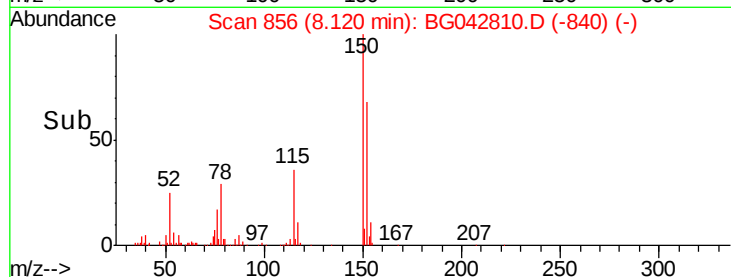
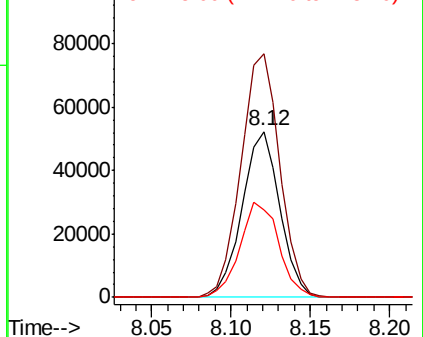


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

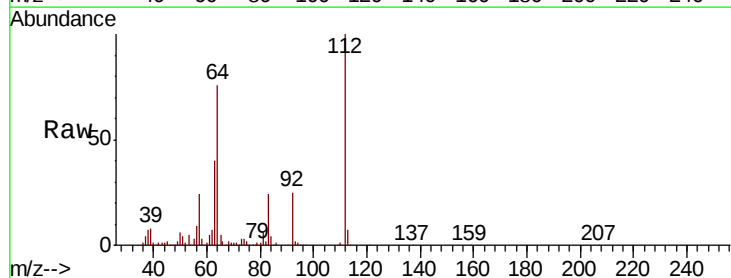
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 113.453 ng
RT: 5.68 min Scan# 441
Delta R.T. -0.01 min
Lab File: BG042810.D
Acq: 13 Sep 2019 10:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	75.5	60.2	90.2
63	39.6	31.2	46.8

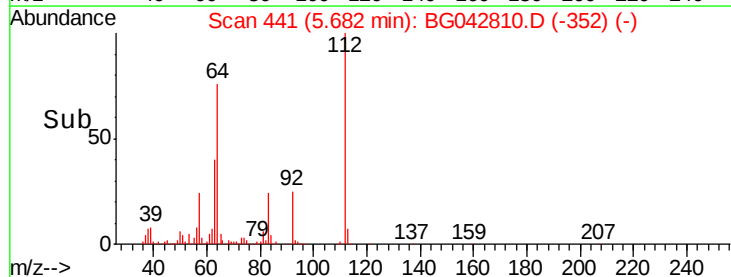
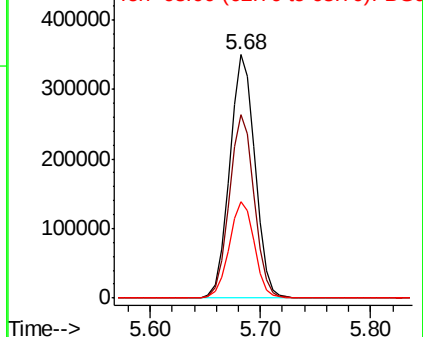


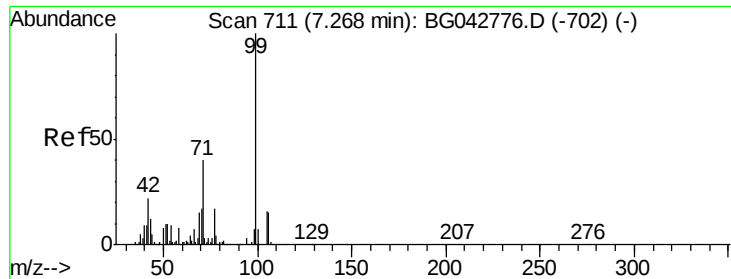
Abundance

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: 113.158 ng

RT: 7.27 min Scan# 711

Delta R.T. 0.00 min

Lab File: BG042810.D

Acq: 13 Sep 2019 10:17

Instrument :

BNA_G

ClientSampleId :

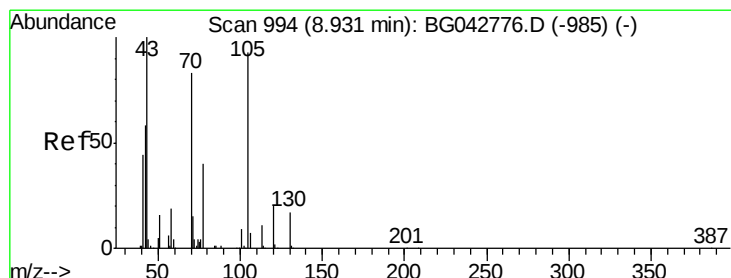
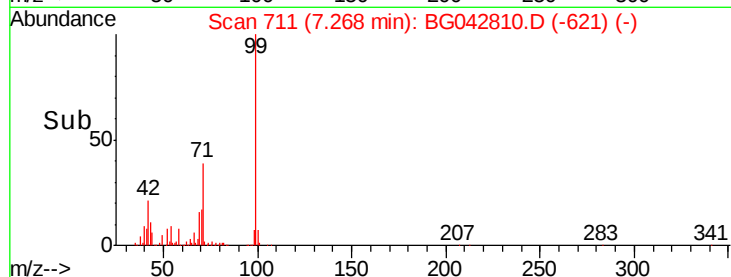
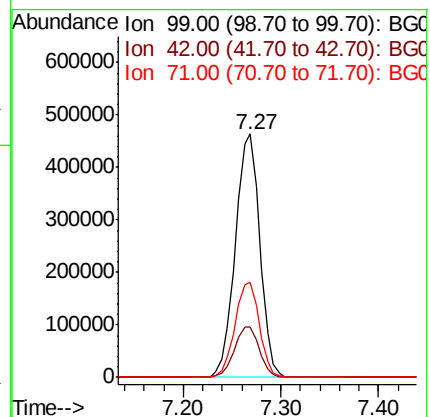
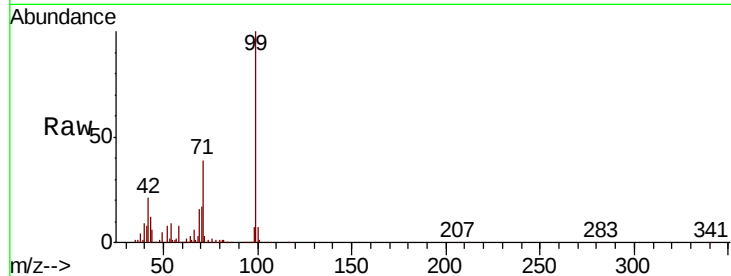
Tot Ion: 99 Resp: 805100

Ion Ratio Lower Upper

99 100

42 20.8 17.5 26.3

71 39.3 32.0 48.0



#19

n-Nitroso-di-n-propylamine

Concen: 12.943 ng

RT: 9.27 min Scan# 1052

Delta R.T. 0.34 min

Lab File: BG042810.D

Acq: 13 Sep 2019 10:17

Tgt Ion: 70 Resp: 67857

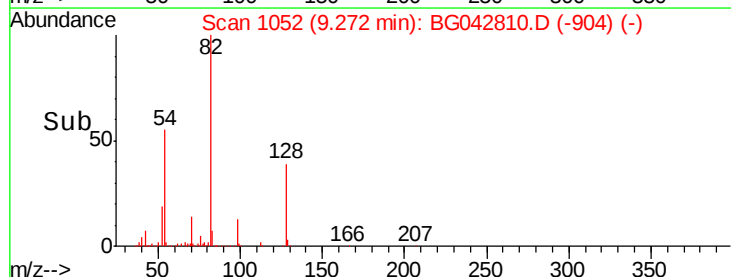
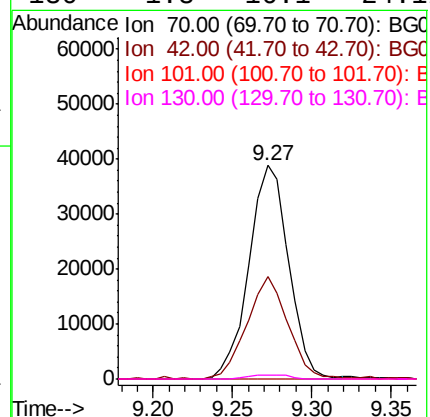
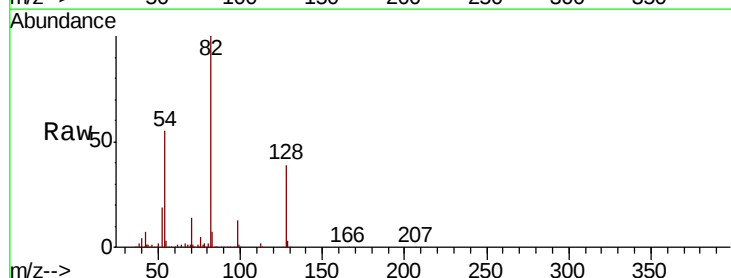
Ion Ratio Lower Upper

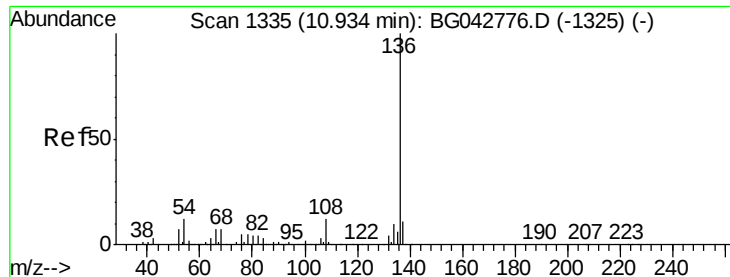
70 100

42 47.8 57.0 85.6#

101 0.0 8.4 12.6#

130 1.8 16.1 24.1#

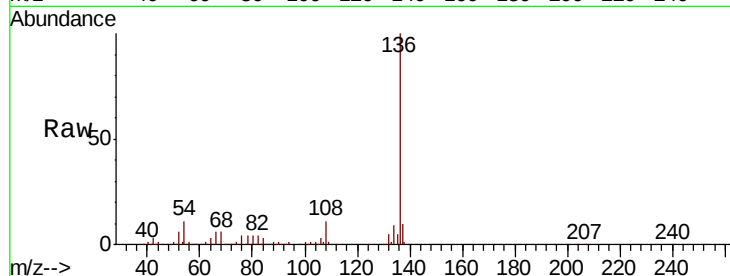




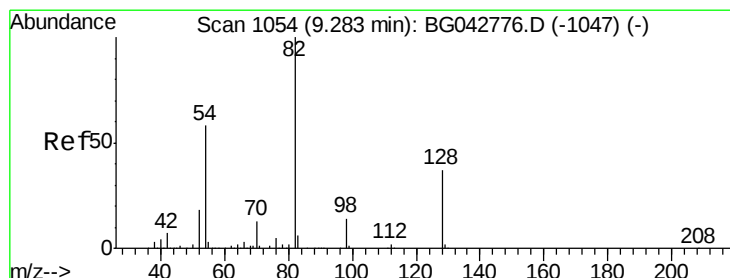
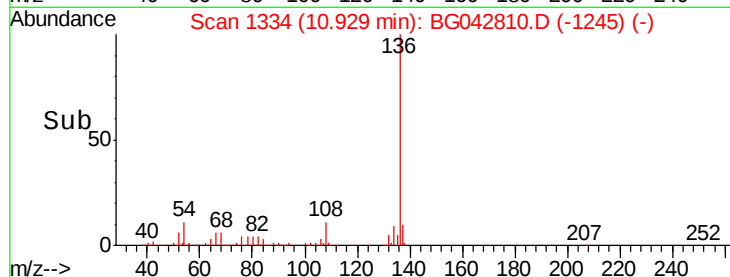
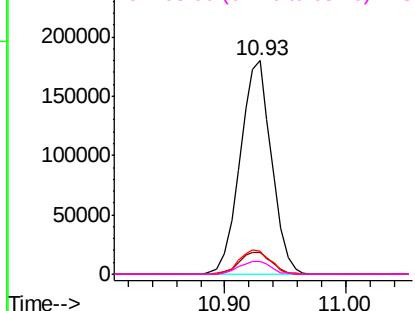
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BG042810.D
Acq: 13 Sep 2019 10:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	324462
Ion Ratio	Lower	Upper
136 100		
137 10.1	9.0	13.6
54 10.6	9.4	14.0
68 5.9	5.4	8.2

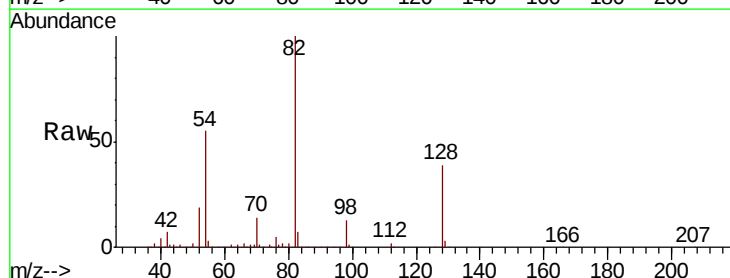


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

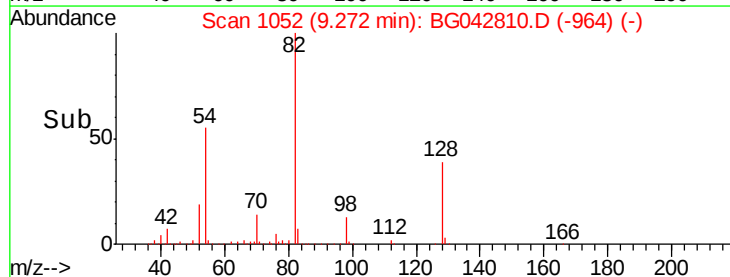
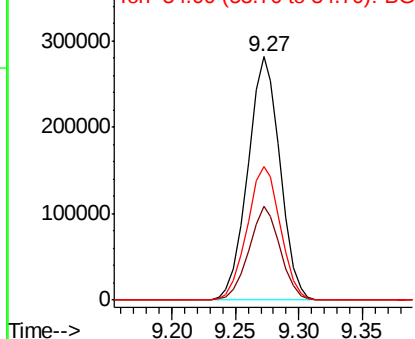


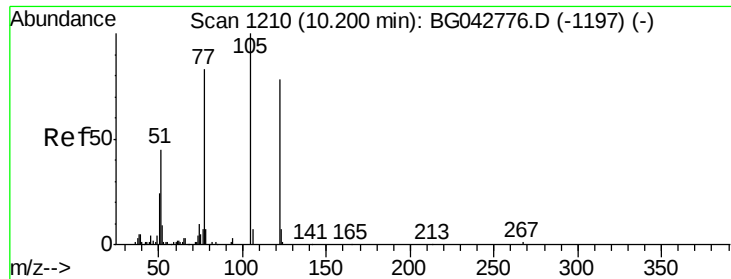
#23
Nitrobenzene-d5
Concen: 79.670 ng
RT: 9.27 min Scan# 1052
Delta R.T. -0.01 min
Lab File: BG042810.D
Acq: 13 Sep 2019 10:17

Tgt Ion: 82	Resp: 496514
Ion Ratio	Lower Upper
82 100	
128 38.7	29.8 44.8
54 54.8	46.1 69.1



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





#32

Benzoic acid

Concen: 5.978 ng

RT: 10.61 min Scan# 1280

Delta R.T. 0.41 min

Lab File: BG042810.D

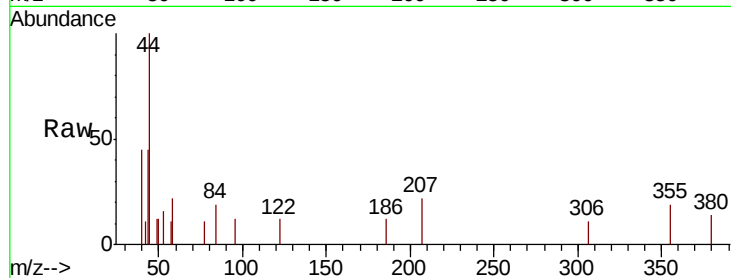
Acq: 13 Sep 2019 10:17

Instrument :

BNA_G

ClientSampled :

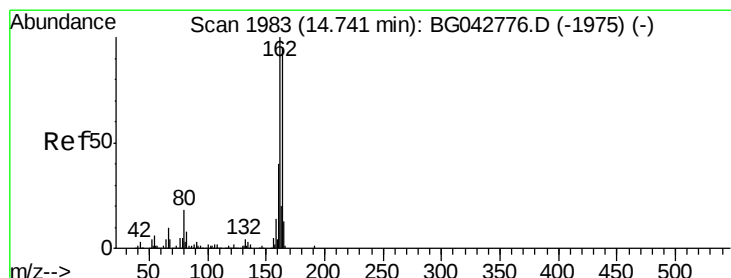
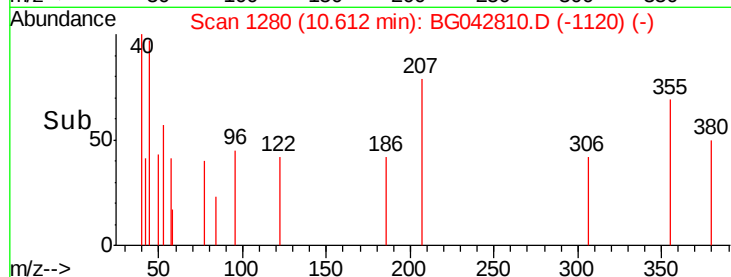
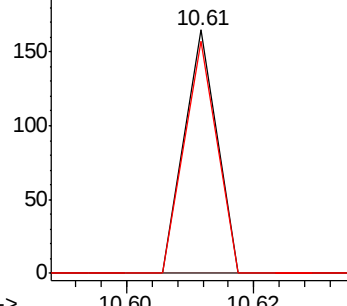
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	104.0	144.0#
77	95.2	84.2	124.2



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

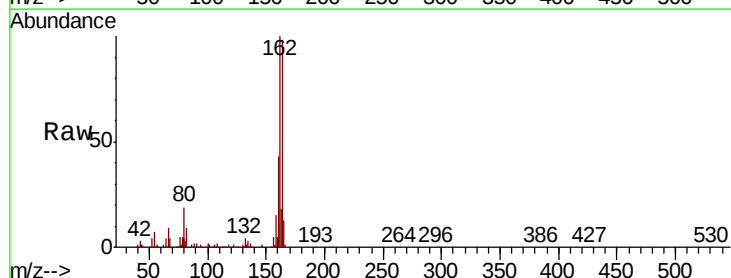
RT: 14.73 min Scan# 1981

Delta R.T. -0.01 min

Lab File: BG042810.D

Acq: 13 Sep 2019 10:17

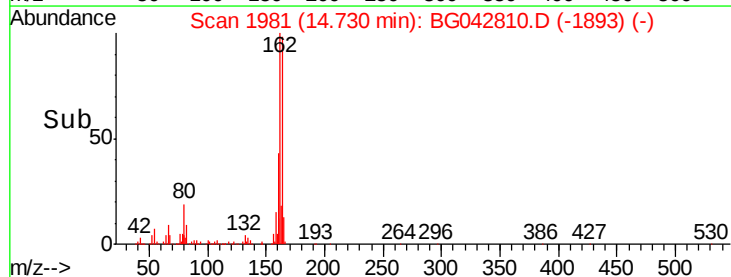
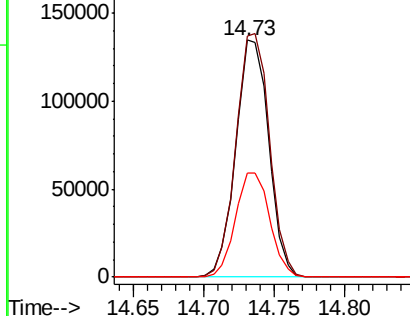
Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.7	84.6	126.8
160	43.7	34.2	51.2

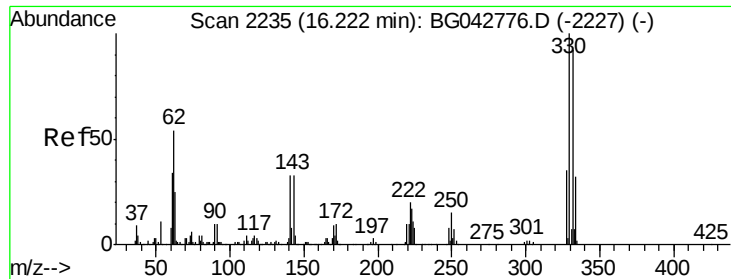


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

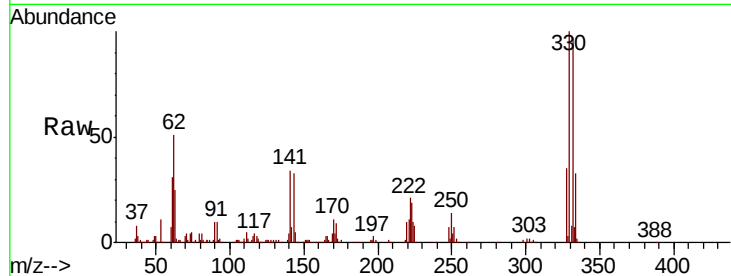




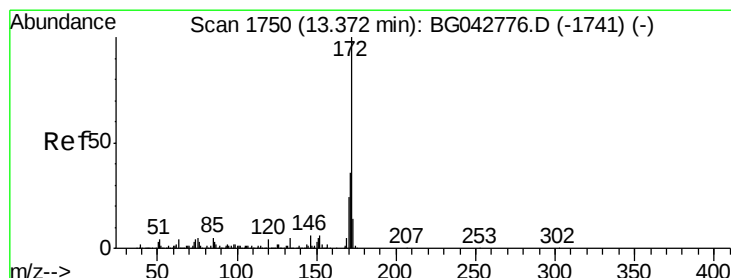
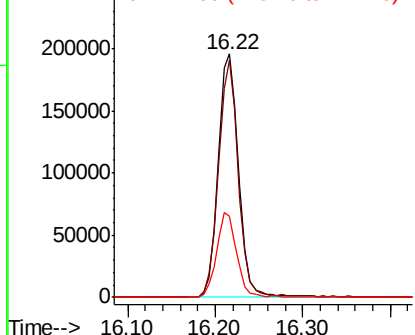
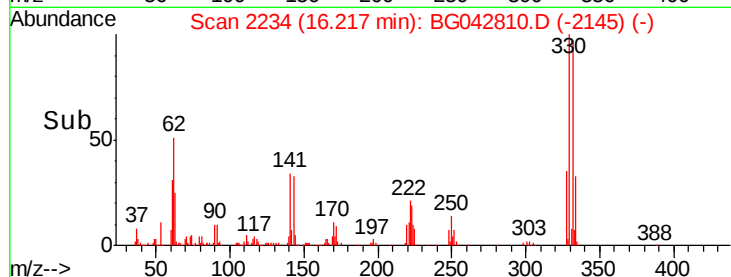
#42
 2,4,6-Tribromophenol
 Concen: 107.979 ng
 RT: 16.22 min Scan# 2234
 Delta R.T. -0.01 min
 Lab File: BG042810.D
 Acq: 13 Sep 2019 10:17

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 316571
 Ion Ratio Lower Upper
 330 100
 332 94.3 76.7 115.1
 141 34.5 27.0 40.6

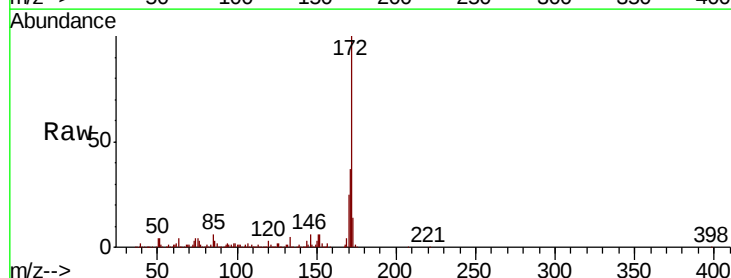


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

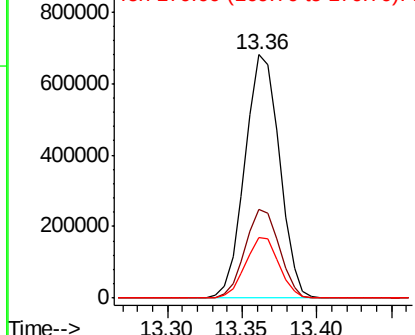
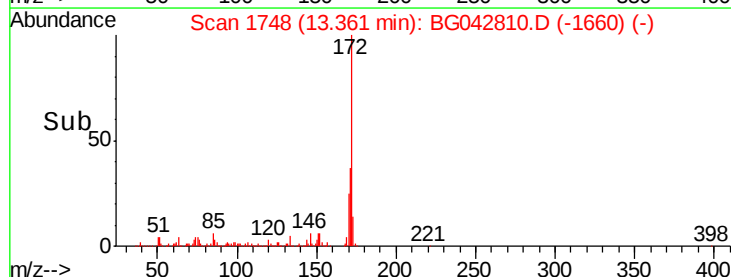


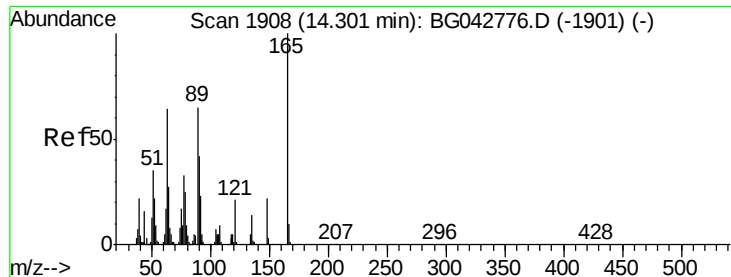
#45
 2-Fluorobiphenyl
 Concen: 78.432 ng
 RT: 13.36 min Scan# 1748
 Delta R.T. -0.01 min
 Lab File: BG042810.D
 Acq: 13 Sep 2019 10:17

Tgt Ion:172 Resp: 1091871
 Ion Ratio Lower Upper
 172 100
 171 36.7 28.9 43.3
 170 24.6 19.1 28.7



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

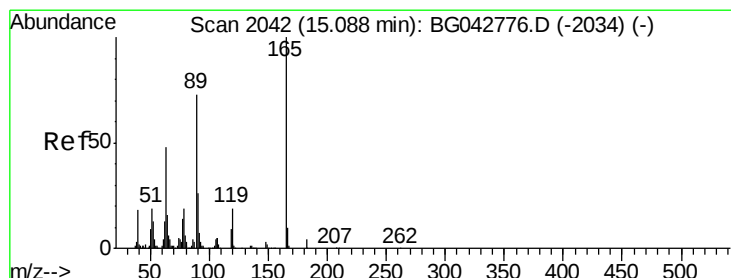
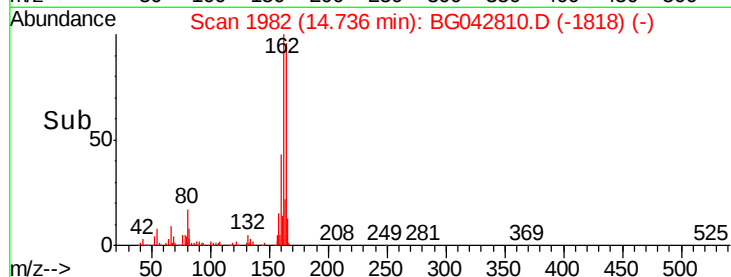
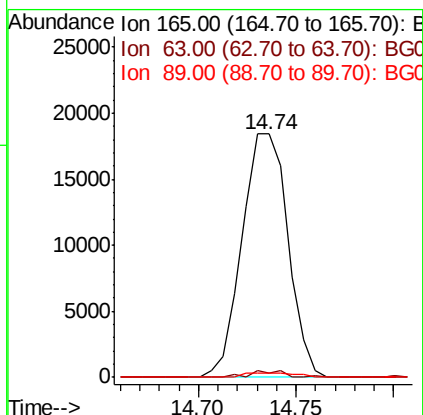
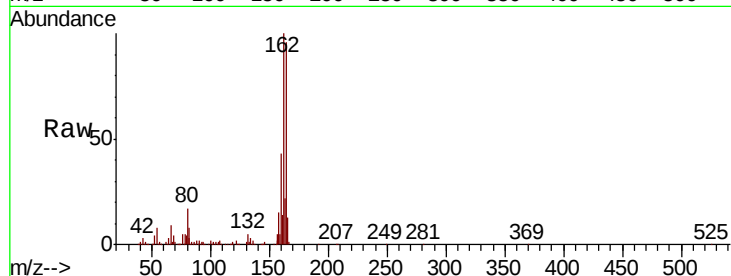




#51
 2,6-Dinitrotoluene
 Concen: 8.869 ng
 RT: 14.74 min Scan# 1982
 Delta R.T. 0.44 min
 Lab File: BG042810.D
 Acq: 13 Sep 2019 10:17

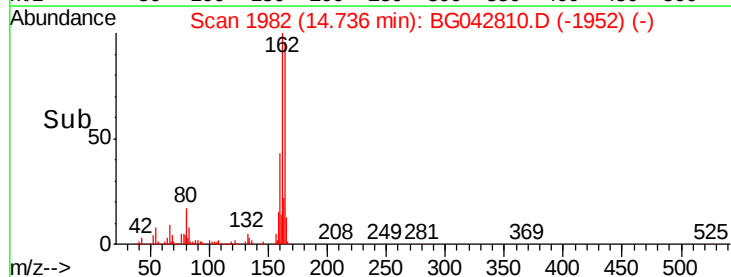
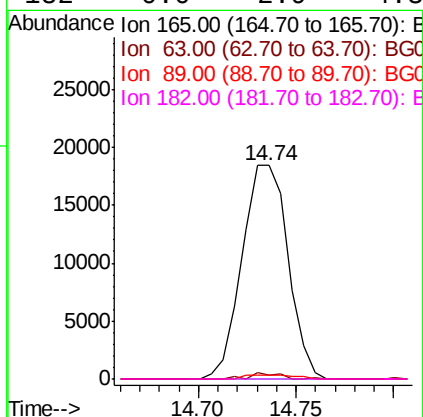
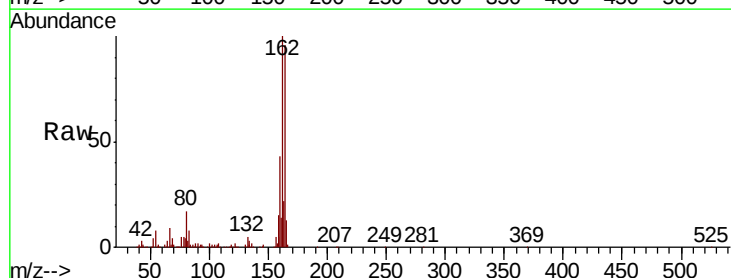
Instrument :
 BNA_G
 ClientSampleId :

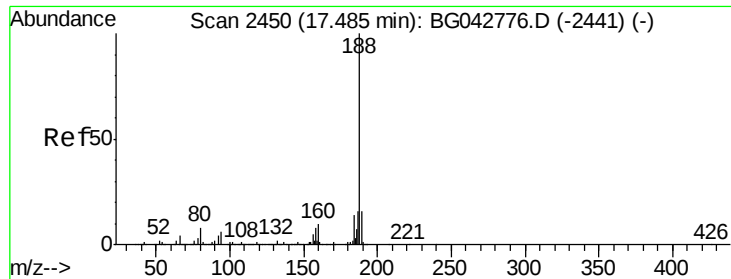
Tot Ion:165 Resp: 30043
 Ion Ratio Lower Upper
 165 100
 63 1.7 52.1 78.1#
 89 1.9 51.7 77.5#



#57
 2,4-Dinitrotoluene
 Concen: 6.654 ng
 RT: 14.74 min Scan# 1982
 Delta R.T. -0.35 min
 Lab File: BG042810.D
 Acq: 13 Sep 2019 10:17

Tgt Ion:165 Resp: 30043
 Ion Ratio Lower Upper
 165 100
 63 1.7 38.3 57.5#
 89 1.9 58.4 87.6#
 182 0.0 2.9 4.3#

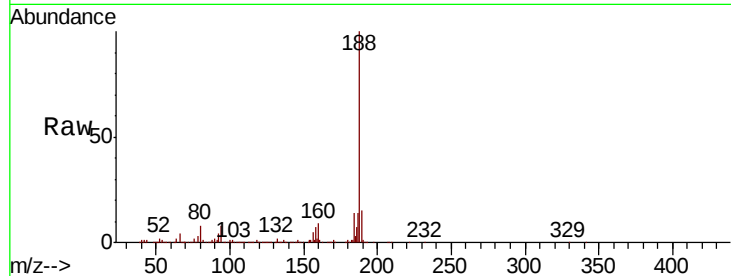




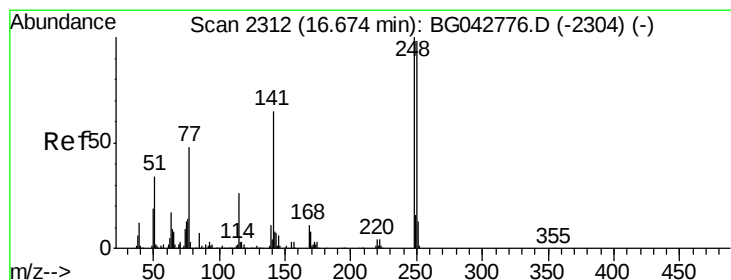
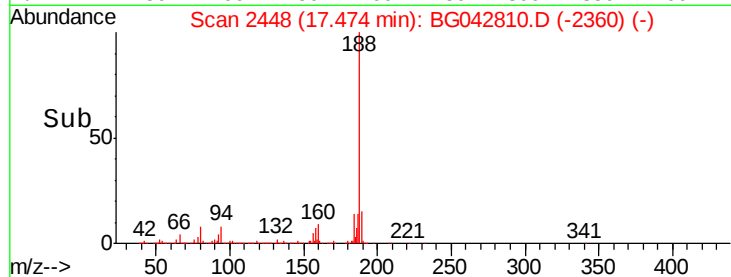
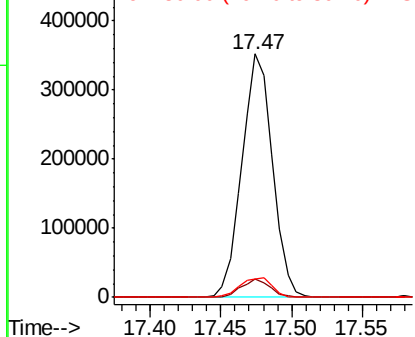
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.47 min Scan# 2448
 Delta R.T. -0.01 min
 Lab File: BG042810.D
 Acq: 13 Sep 2019 10:17

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:188 Resp: 534148
 Ion Ratio Lower Upper
 188 100
 94 7.5 4.8 7.2#
 80 7.7 6.6 9.8

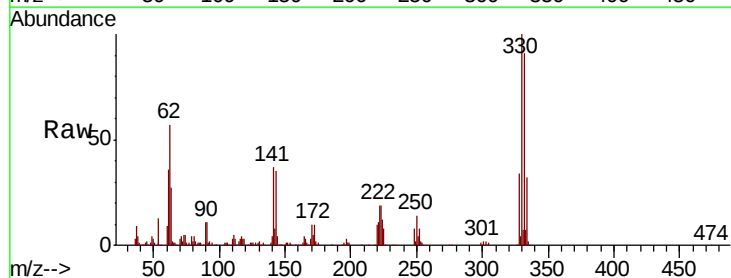


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BG
 Ion 80.00 (79.70 to 80.70): BG

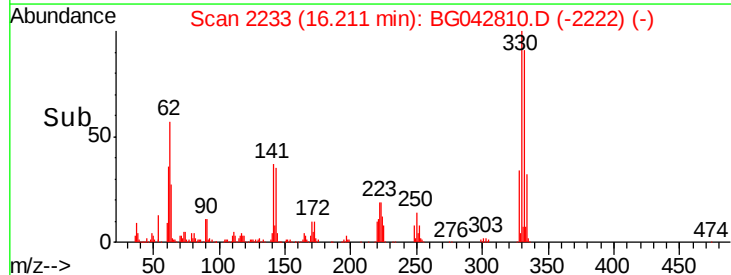
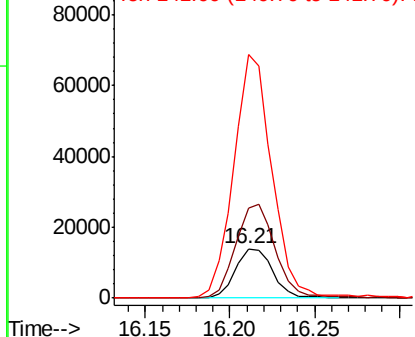


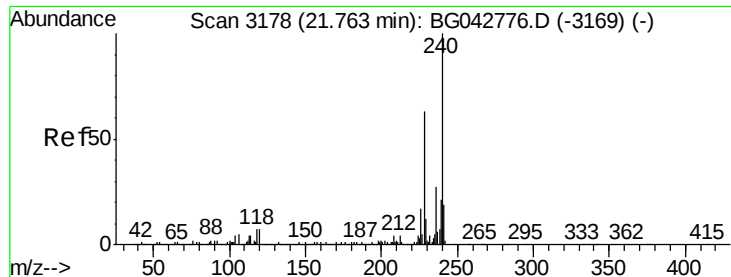
#67
 4-Bromophenyl-phenylether
 Concen: 3.315 ng
 RT: 16.21 min Scan# 2233
 Delta R.T. -0.46 min
 Lab File: BG042810.D
 Acq: 13 Sep 2019 10:17

Tgt Ion:248 Resp: 21435
 Ion Ratio Lower Upper
 248 100
 250 184.3 78.0 117.0#
 141 495.1 51.8 77.6#



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

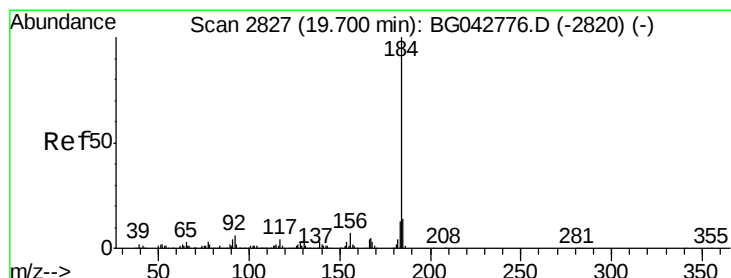
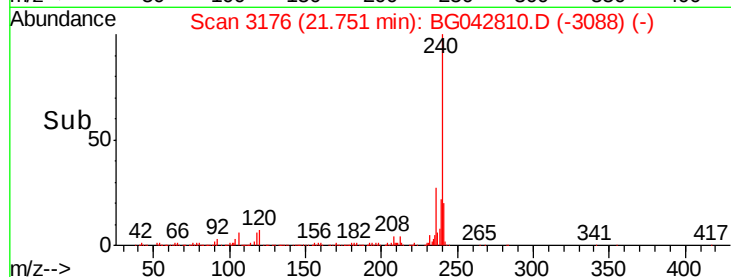
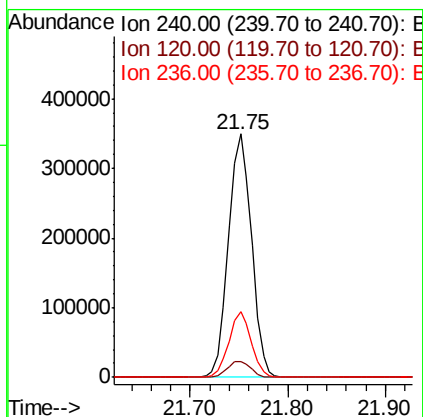
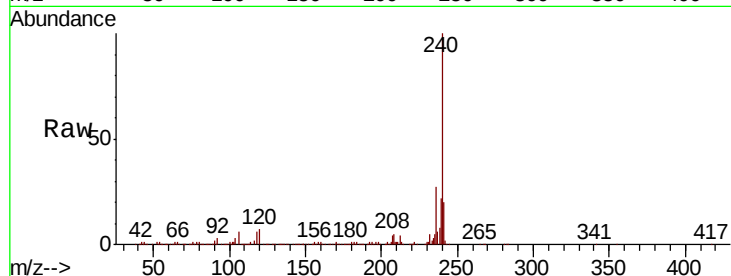




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.75 min Scan# 3176
 Delta R.T. -0.01 min
 Lab File: BG042810.D
 Acq: 13 Sep 2019 10:17

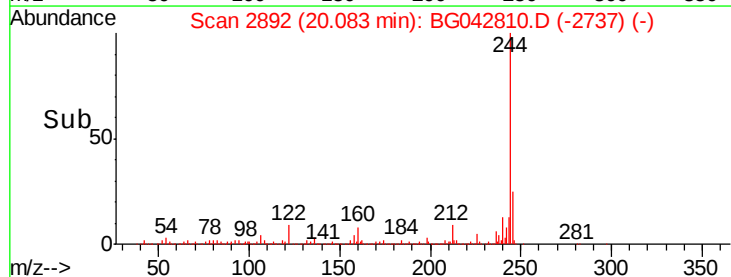
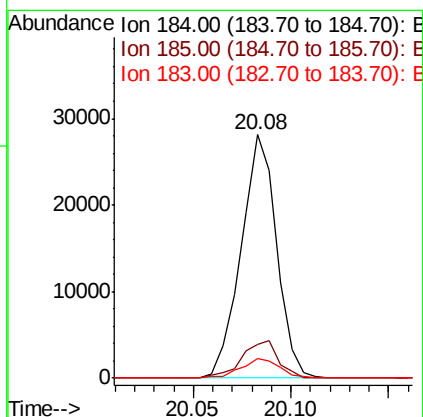
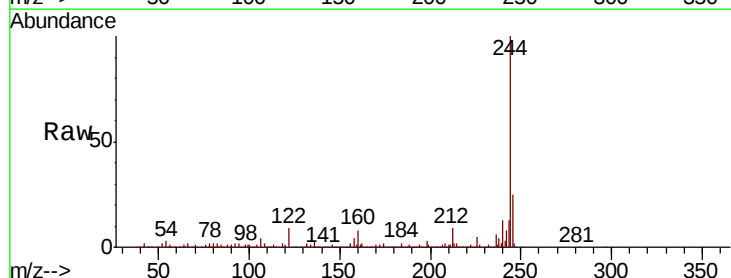
Instrument :
 BNA_G
 ClientSampleId :

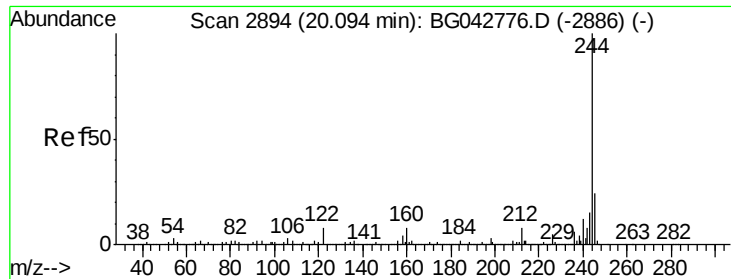
Tot Ion:240 Resp: 573855
 Ion Ratio Lower Upper
 240 100
 120 6.7 5.4 8.2
 236 27.0 21.7 32.5



#77
 Benzidine
 Concen: 2.206 ng
 RT: 20.08 min Scan# 2892
 Delta R.T. 0.38 min
 Lab File: BG042810.D
 Acq: 13 Sep 2019 10:17

Tgt Ion:184 Resp: 35373
 Ion Ratio Lower Upper
 184 100
 185 14.0 11.6 17.4
 183 8.1 10.4 15.6#





#79

Terphenyl-d14

Concen: 79.471 ng

RT: 20.08 min Scan# 2892

Delta R.T. -0.01 min

Lab File: BG042810.D

Acq: 13 Sep 2019 10:17

Instrument :

BNA_G

ClientSampleId :

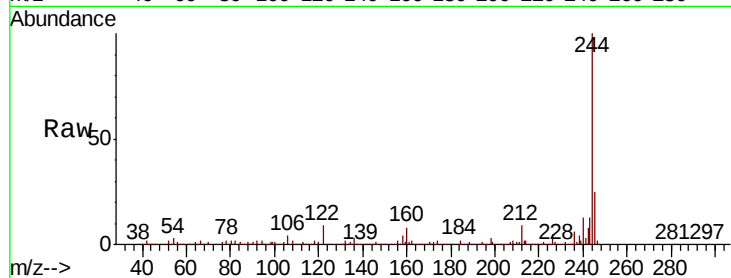
Tot Ion:244 Resp: 2057711

Ion Ratio Lower Upper

244 100

212 9.2 6.6 10.0

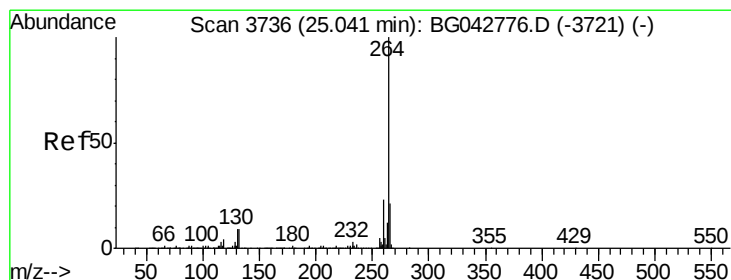
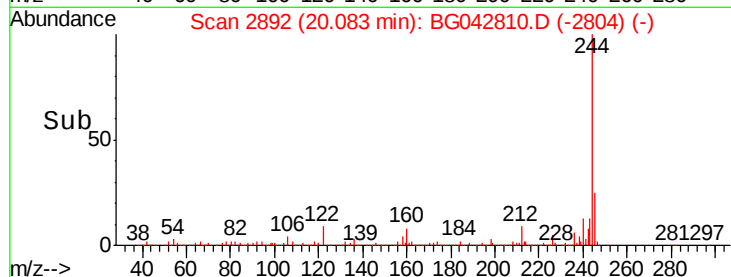
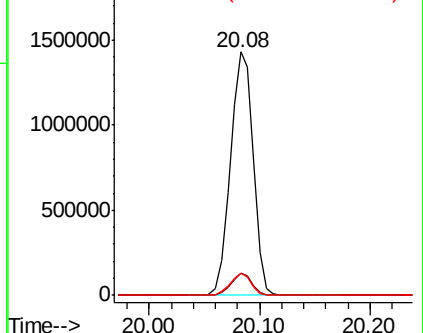
122 9.3 6.2 9.4



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: 25.02 min Scan# 3732

Delta R.T. -0.02 min

Lab File: BG042810.D

Acq: 13 Sep 2019 10:17

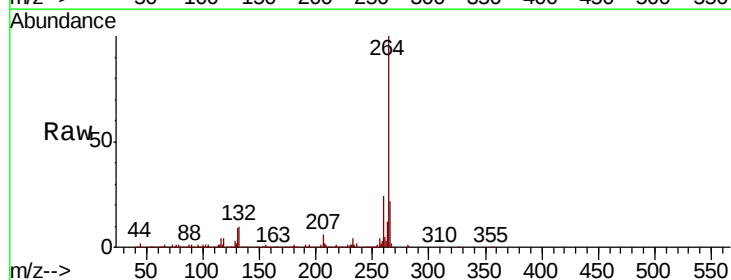
Tgt Ion:264 Resp: 616371

Ion Ratio Lower Upper

264 100

260 23.8 18.2 27.2

265 22.0 16.9 25.3



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

