

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG032420\
 Data File : BG044936.D
 Acq On : 24 Mar 2020 18:47
 Operator : CG/JU
 Sample : PB127773BL
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB127773BL

Quant Time: Mar 25 02:34:22 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 23 07:18:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	79243	20.00	ng	-0.01
21) Naphthalene-d8	10.85	136	301474	20.00	ng	-0.01
39) Acenaphthene-d10	14.67	164	196992	20.00	ng	-0.01
64) Phenanthrene-d10	17.42	188	462204	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	468978	20.00	ng	-0.02
87) Perylene-d12	24.88	264	489030	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	434395	85.33	ng	0.00
7) Phenol-d6	7.20	99	597661	80.81	ng	0.00
23) Nitrobenzene-d5	9.20	82	559912	81.50	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	247981	96.14	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	1204657	87.57	ng	0.00
79) Terphenyl-d14	20.03	244	2068709	82.51	ng	-0.01

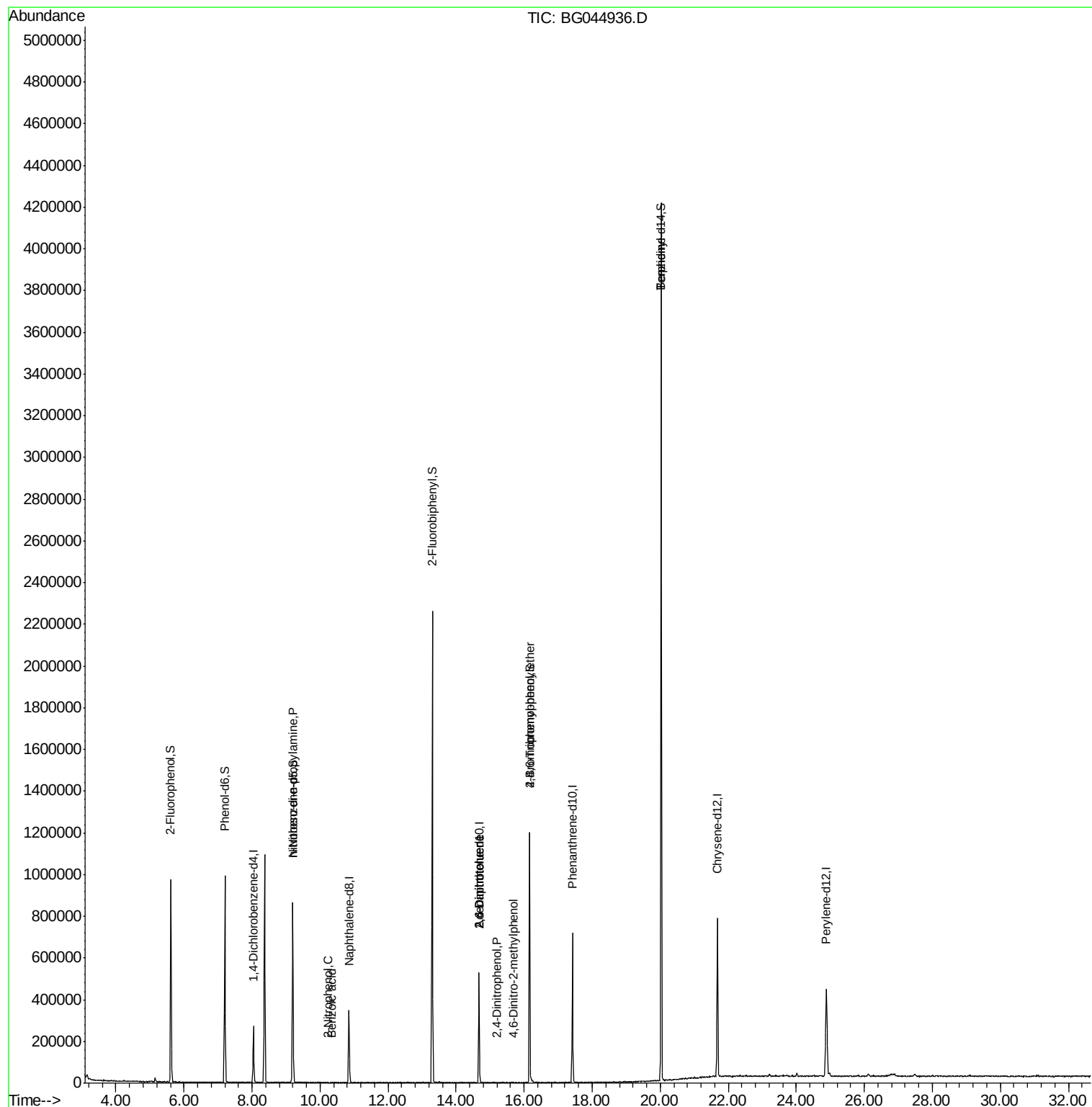
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.19	77	1291	Below Cal	#	6
19) n-Nitroso-di-n-propylamine	9.20	70	74124	14.19	ng	79
26) 2-Nitrophenol	10.23	139	57	5.54	ng	28
32) Benzoic acid	10.35	122	66	9.69	ng	32
51) 2,6-Dinitrotoluene	14.67	165	25448	8.05	ng	21
54) 2,4-Dinitrophenol	15.20	184	67	8.36	ng	21
57) 2,4-Dinitrotoluene	14.67	165	25448	5.87	ng	21
65) 4,6-Dinitro-2-methylphenol	15.68	198	57	7.75	ng	33
67) 4-Bromophenyl-phenylether	16.15	248	16311	2.82	ng	1
77) Benzidine	20.03	184	39552	2.60	ng	94

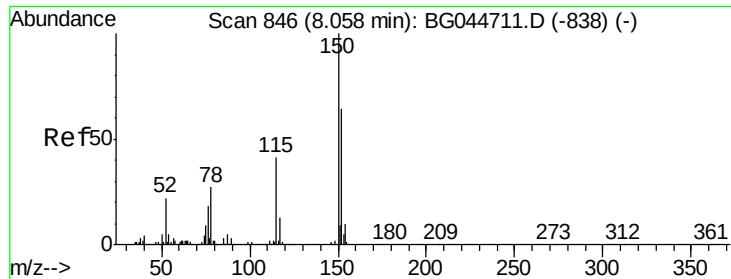
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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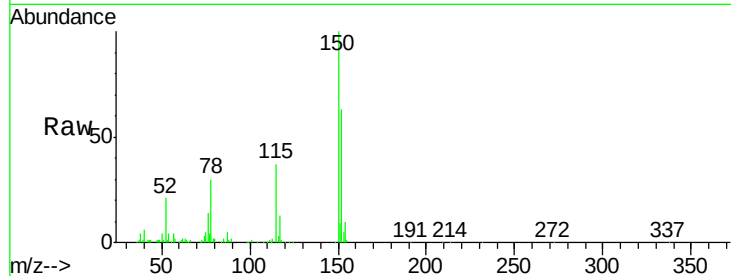


#1

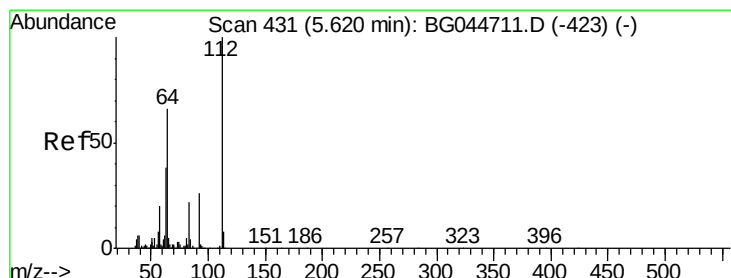
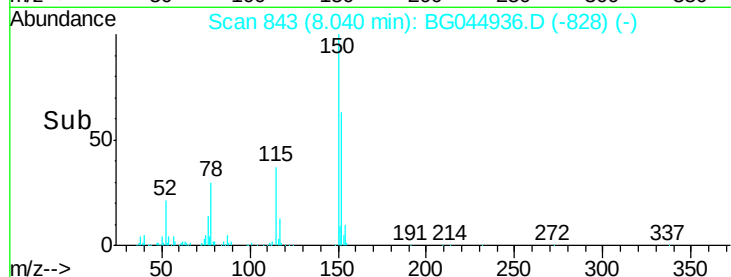
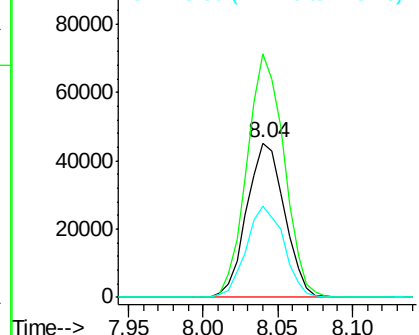
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.01 min
Lab File: BG044936.D
Acq: 24 Mar 2020 18:47

Instrument :
BNA_G
ClientSampleId :
PB127773BL

Tgt Ion:152 Resp: 79243
Ion Ratio Lower Upper
152 100
150 157.9 128.8 193.2
115 58.8 52.6 79.0



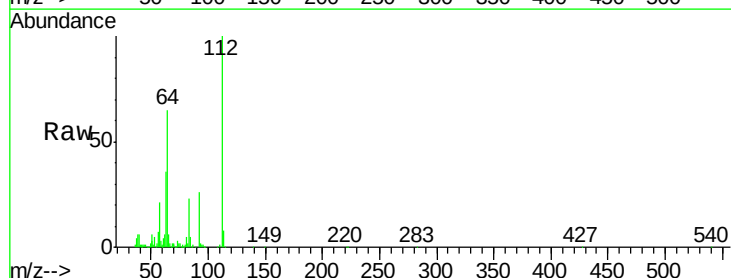
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



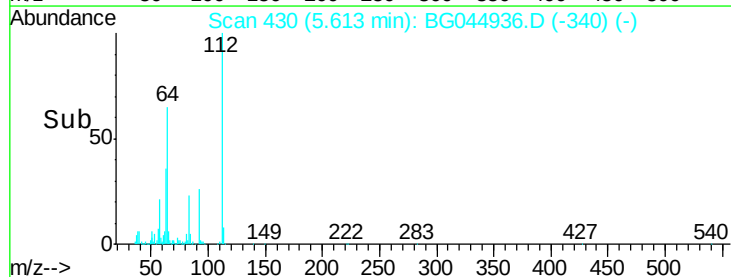
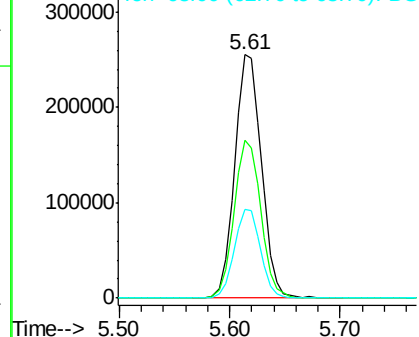
#5

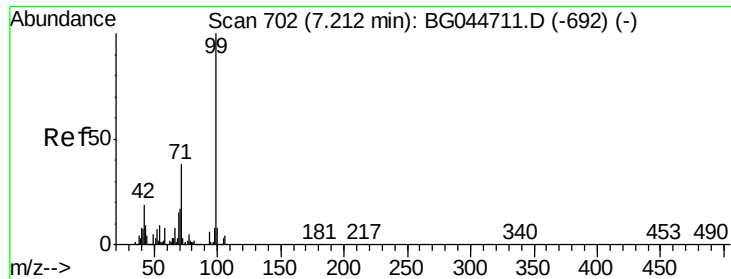
2-Fluorophenol
Concen: 85.33 ng
RT: 5.61 min Scan# 430
Delta R.T. 0.00 min
Lab File: BG044936.D
Acq: 24 Mar 2020 18:47

Tgt Ion:112 Resp: 434395
Ion Ratio Lower Upper
112 100
64 65.1 53.4 80.2
63 36.2 29.4 44.2



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: 80.81 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.01 min

Lab File: BG044936.D

Acq: 24 Mar 2020 18:47

Instrument :

BNA_G

ClientSampleId :

PB127773BL

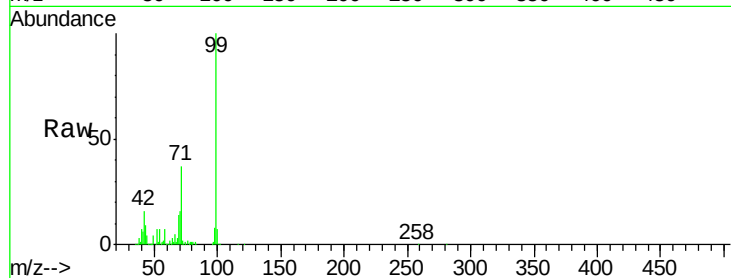
Tgt Ion: 99 Resp: 597661

Ion Ratio Lower Upper

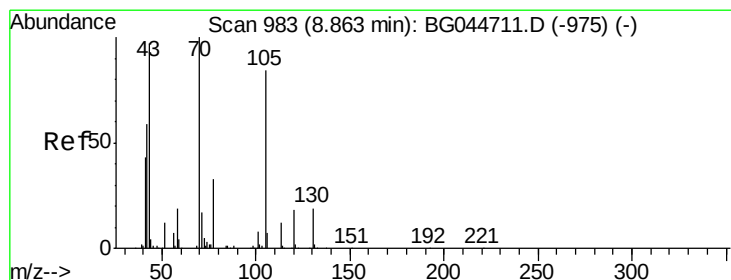
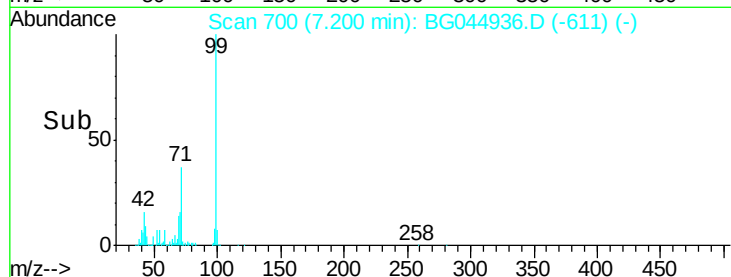
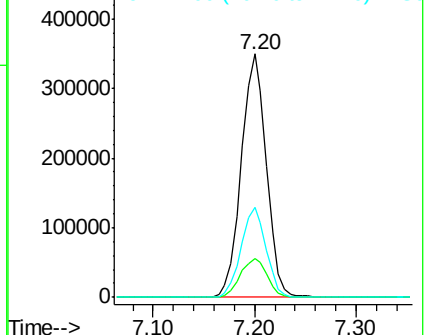
99 100

42 16.1 12.6 19.0

71 37.0 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: 14.19 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.34 min

Lab File: BG044936.D

Acq: 24 Mar 2020 18:47

Tgt Ion: 70 Resp: 74124

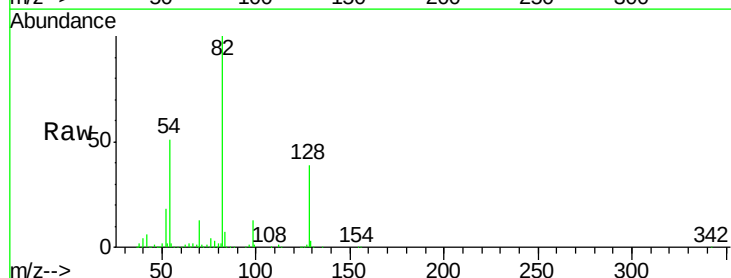
Ion Ratio Lower Upper

70 100

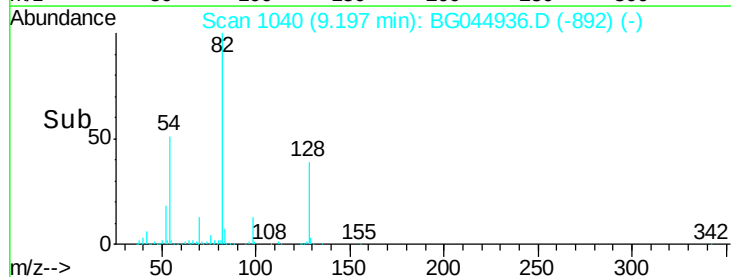
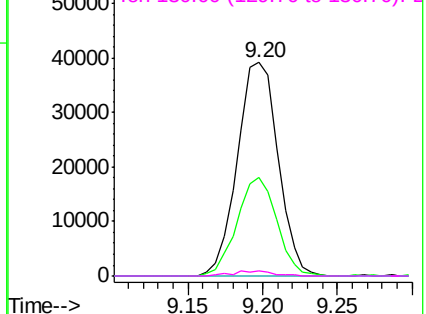
42 46.3 45.7 68.5

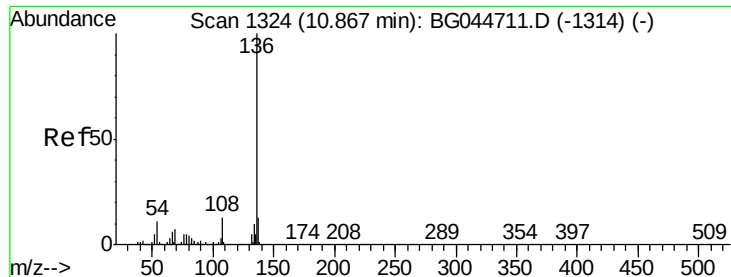
101 0.0 7.4 11.2#

130 2.6 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

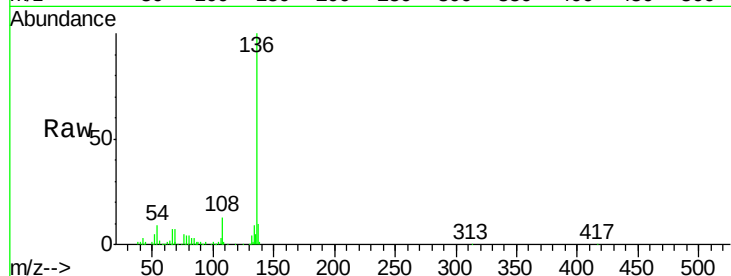




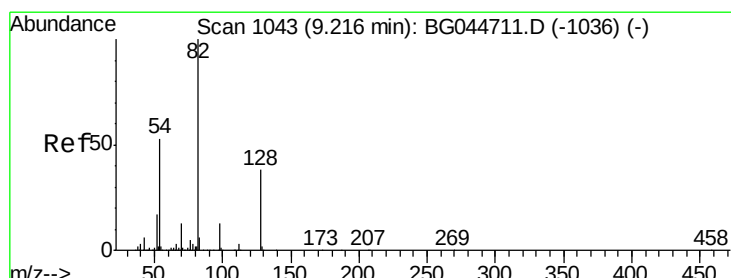
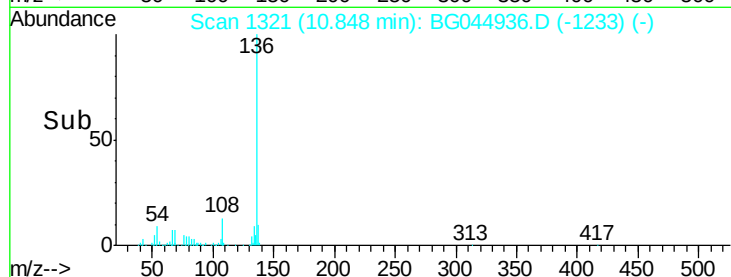
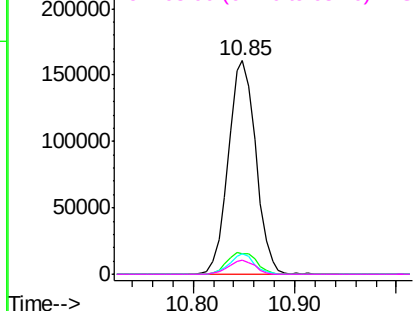
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG044936.D
Acq: 24 Mar 2020 18:47

Instrument :
BNA_G
ClientSampleId :
PB127773BL

Tgt Ion:	136	Resp:	301474
Ion	Ratio	Lower	Upper
136	100		
137	9.7	9.8	14.6#
54	9.5	7.9	11.9
68	6.6	5.4	8.0

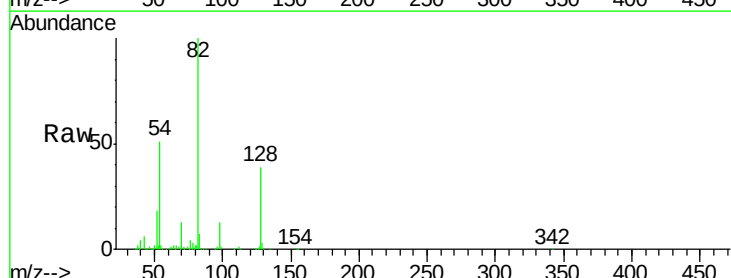


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

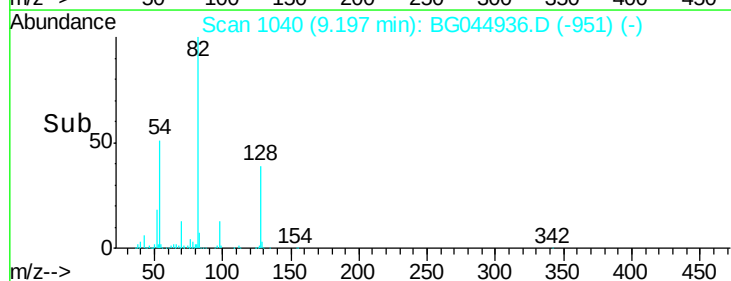
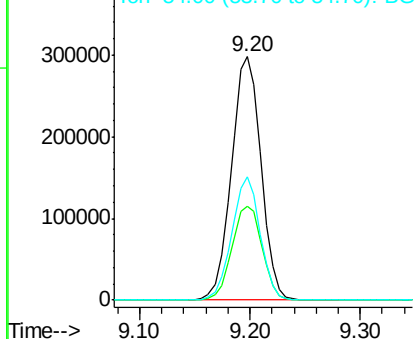


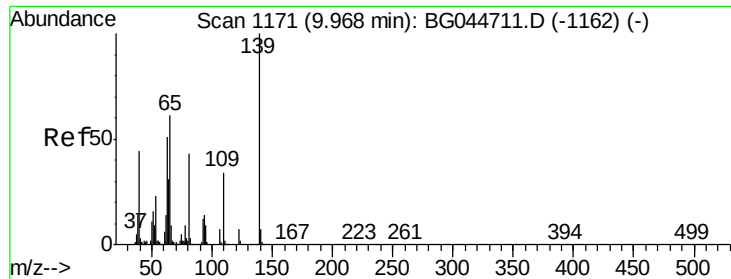
#23
Nitrobenzene-d5
Concen: 81.50 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BG044936.D
Acq: 24 Mar 2020 18:47

Tgt Ion:	82	Resp:	559912
Ion	Ratio	Lower	Upper
82	100		
128	38.7	30.6	46.0
54	50.7	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: 5.54 ng

RT: 10.23 min Scan# 1215

Delta R.T. 0.26 min

Lab File: BG044936.D

Acq: 24 Mar 2020 18:47

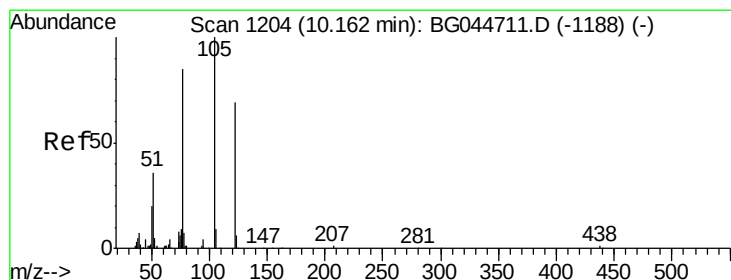
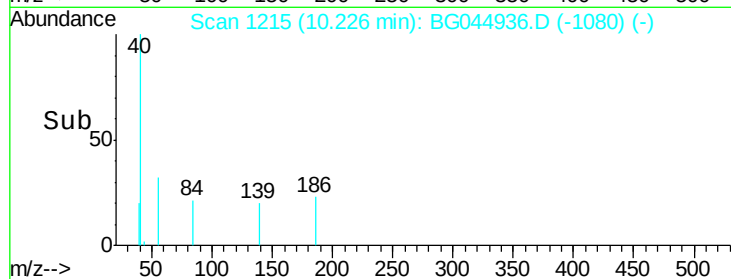
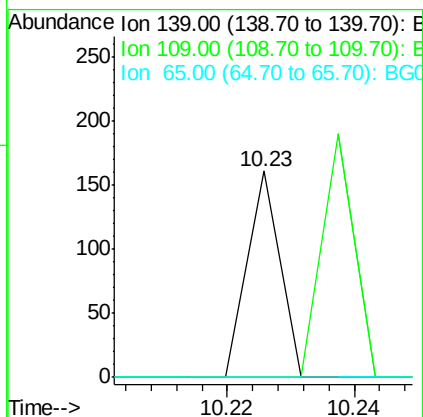
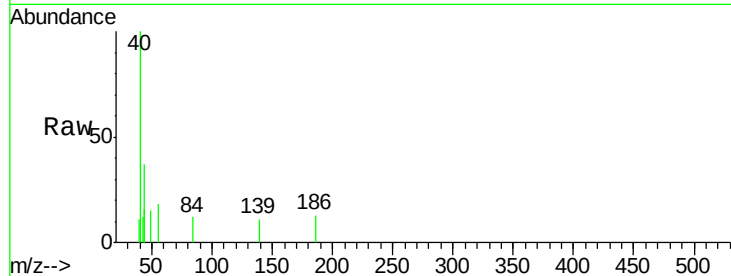
Instrument :

BNA_G

ClientSampleId :

PB127773BL

Tgt Ion:	139	Resp:	57
Ion	Ratio	Lower	Upper
139	100		
109	0.0	30.2	45.4#
65	0.0	46.3	69.5#



#32

Benzoic acid

Concen: 9.69 ng

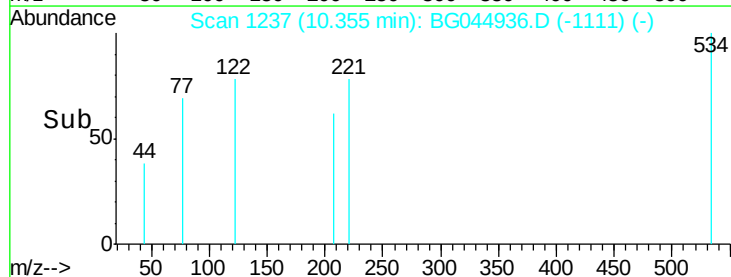
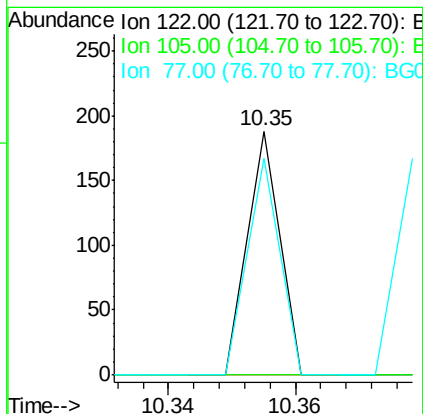
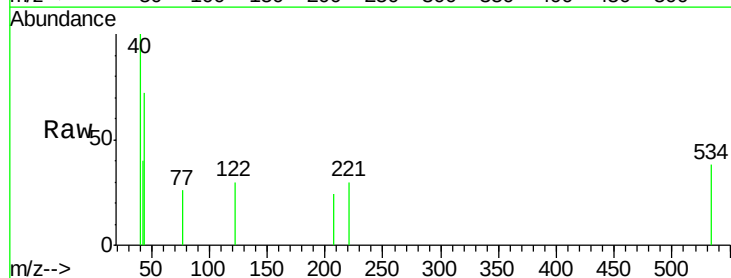
RT: 10.35 min Scan# 1237

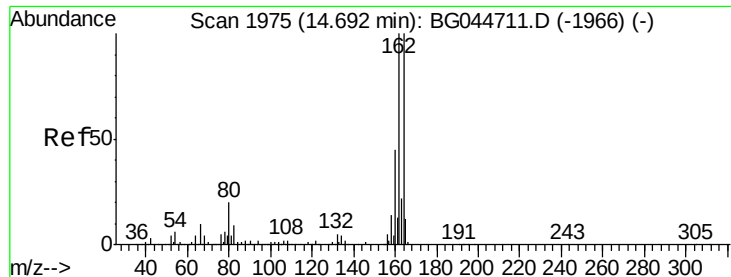
Delta R.T. 0.21 min

Lab File: BG044936.D

Acq: 24 Mar 2020 18:47

Tgt Ion:	122	Resp:	66
Ion	Ratio	Lower	Upper
122	100		
105	0.0	109.1	149.1#
77	88.8	85.3	125.3





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.67 min Scan# 1972

Delta R.T. -0.01 min

Lab File: BG044936.D

Acq: 24 Mar 2020 18:47

Instrument :

BNA_G

ClientSampleId :

PB127773BL

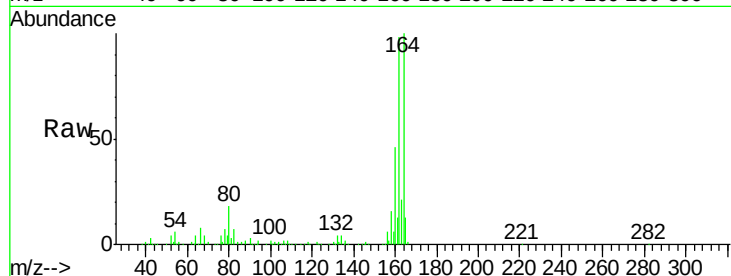
Tgt Ion:164 Resp: 196992

Ion Ratio Lower Upper

164 100

162 98.4 76.7 115.1

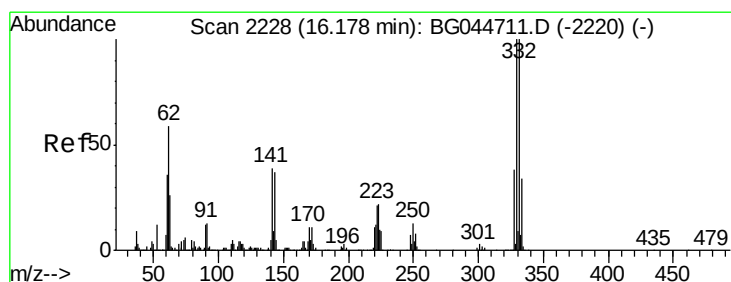
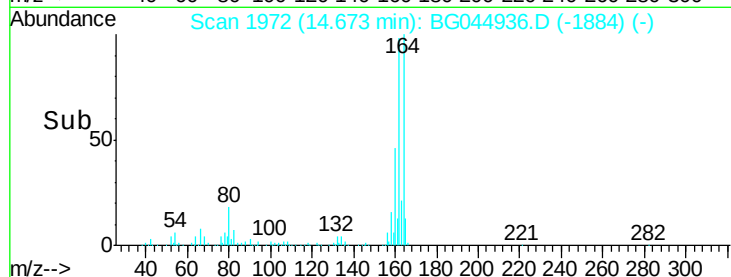
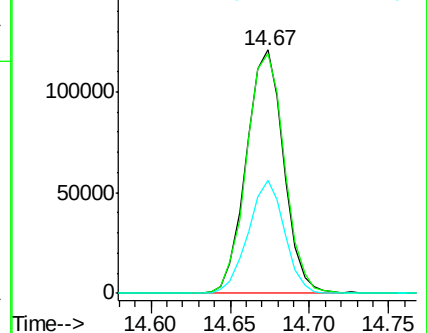
160 46.2 35.0 52.4



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: 96.14 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BG044936.D

Acq: 24 Mar 2020 18:47

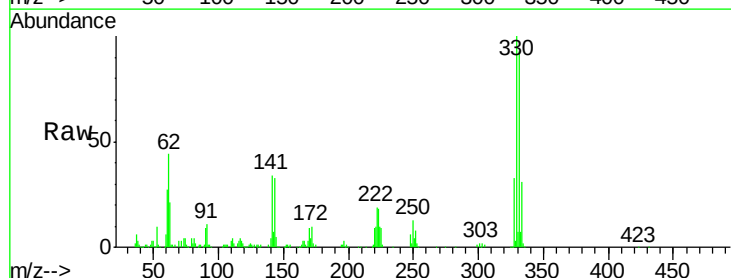
Tgt Ion:330 Resp: 247981

Ion Ratio Lower Upper

330 100

332 95.4 77.8 116.6

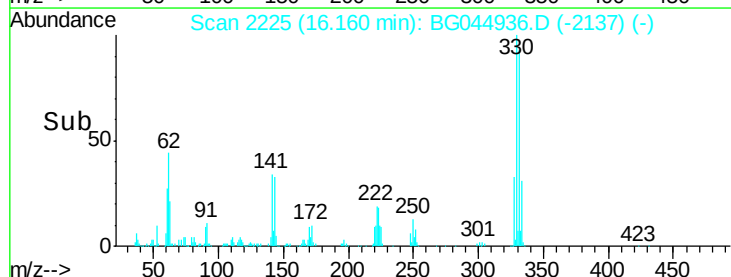
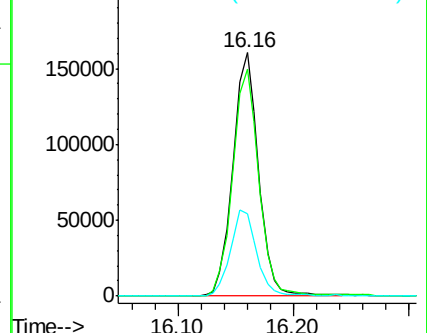
141 36.1 29.5 44.3

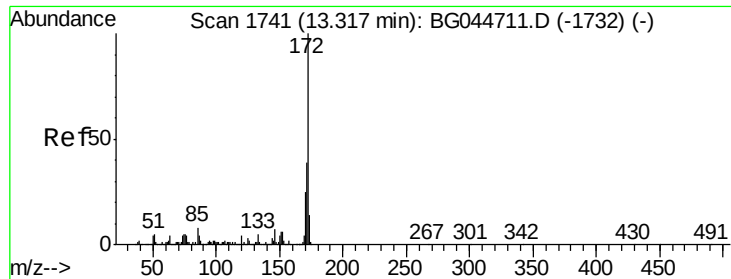


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 87.57 ng

RT: 13.30 min Scan# 1738

Delta R.T. -0.01 min

Lab File: BG044936.D

Acq: 24 Mar 2020 18:47

Instrument :

BNA_G

ClientSampleId :

PB127773BL

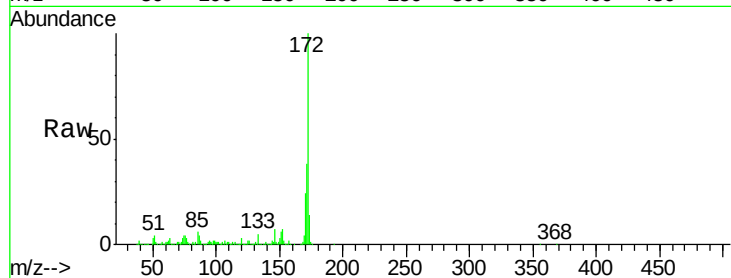
Tgt Ion:172 Resp: 1204657

Ion Ratio Lower Upper

172 100

171 38.5 28.7 43.1

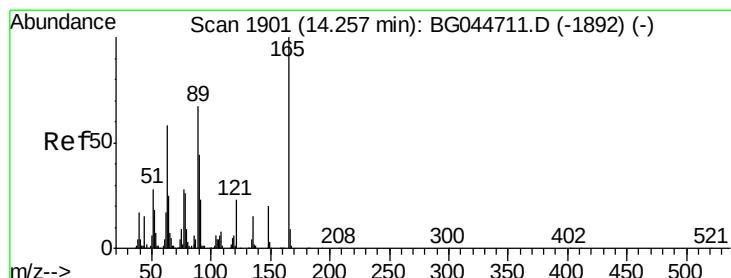
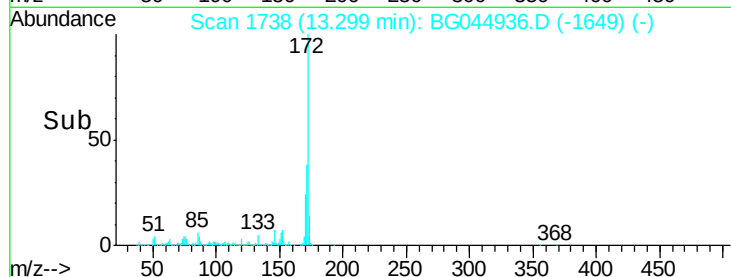
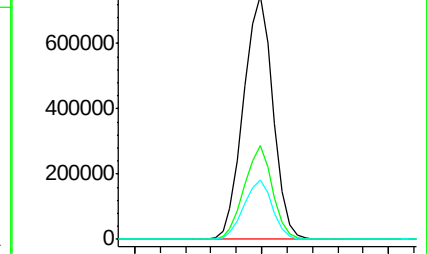
170 24.4 19.0 28.6



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: 8.05 ng

RT: 14.67 min Scan# 1972

Delta R.T. 0.43 min

Lab File: BG044936.D

Acq: 24 Mar 2020 18:47

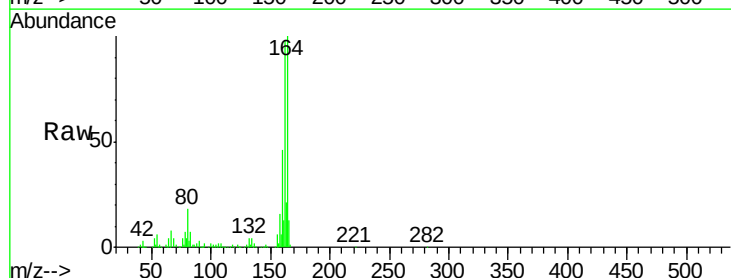
Tgt Ion:165 Resp: 25448

Ion Ratio Lower Upper

165 100

63 1.4 45.8 68.8#

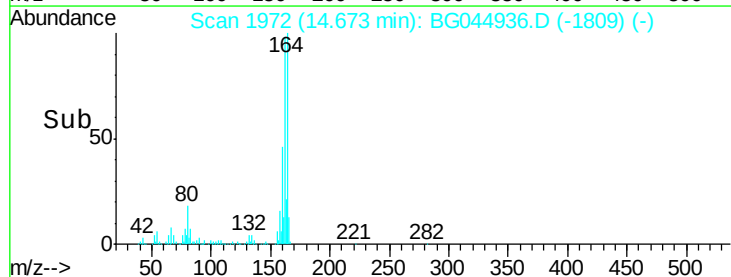
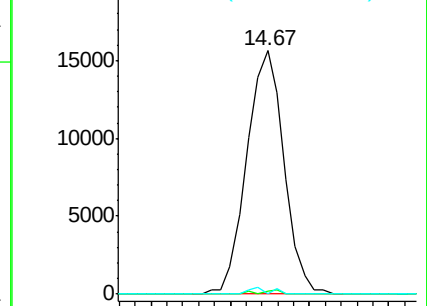
89 0.0 51.8 77.6#

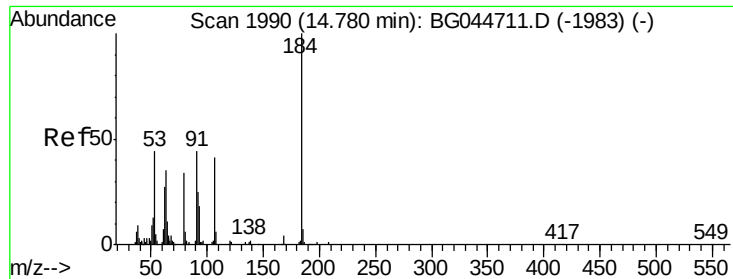


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

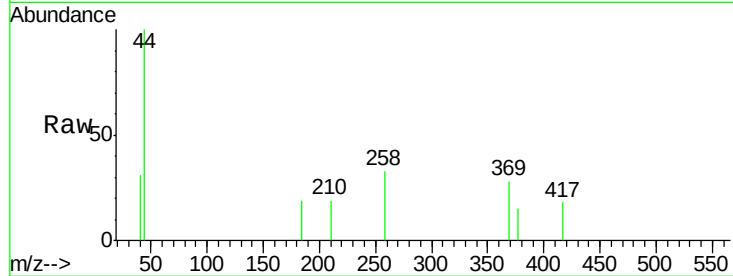




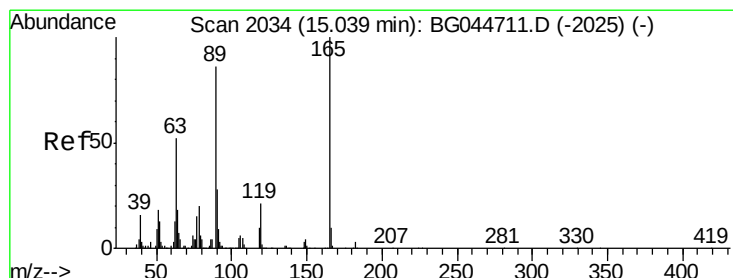
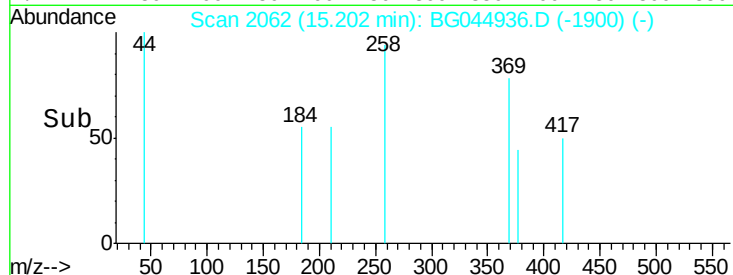
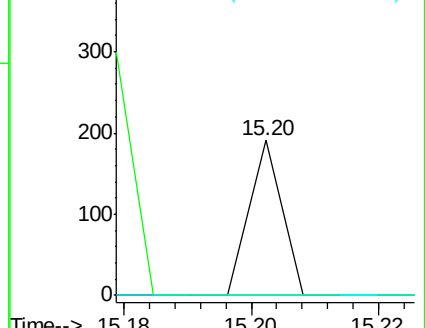
#54
2,4-Dinitrophenol
Concen: 8.36 ng
RT: 15.20 min Scan# 2062
Delta R.T. 0.42 min
Lab File: BG044936.D
Acq: 24 Mar 2020 18:47

Instrument :
BNA_G
ClientSampleId :
PB127773BL

Tgt Ion:184 Resp: 67
Ion Ratio Lower Upper
184 100
63 0.0 45.5 68.3#
154 0.0 49.1 73.7#

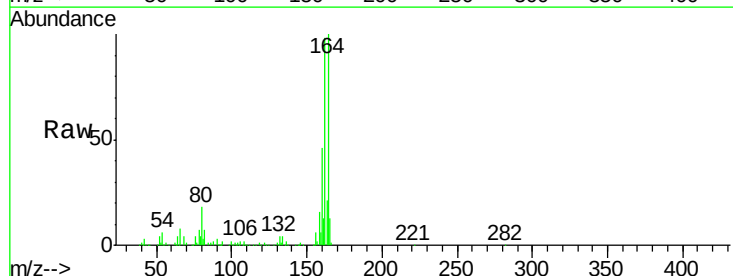


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

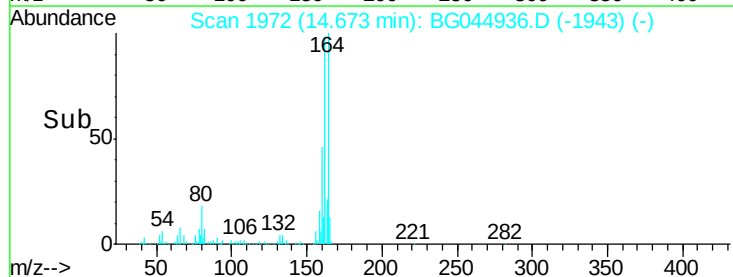
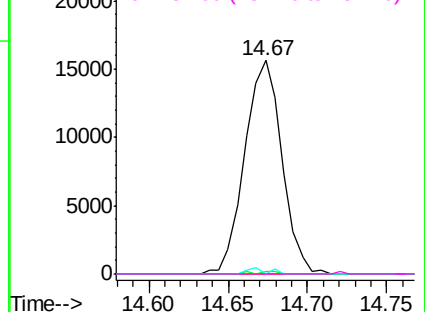


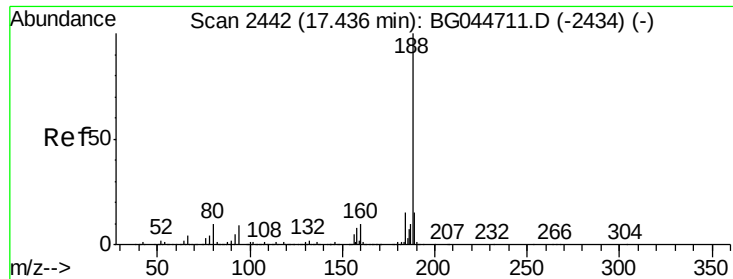
#57
2,4-Dinitrotoluene
Concen: 5.87 ng
RT: 14.67 min Scan# 1972
Delta R.T. -0.36 min
Lab File: BG044936.D
Acq: 24 Mar 2020 18:47

Tgt Ion:165 Resp: 25448
Ion Ratio Lower Upper
165 100
63 1.4 34.6 52.0#
89 0.0 61.3 91.9#
182 0.0 2.2 3.2#



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: 20.00 ng

RT: 17.42 min Scan# 2439

Delta R.T. -0.01 min

Lab File: BG044936.D

Acq: 24 Mar 2020 18:47

Instrument :

BNA_G

ClientSampleId :

PB127773BL

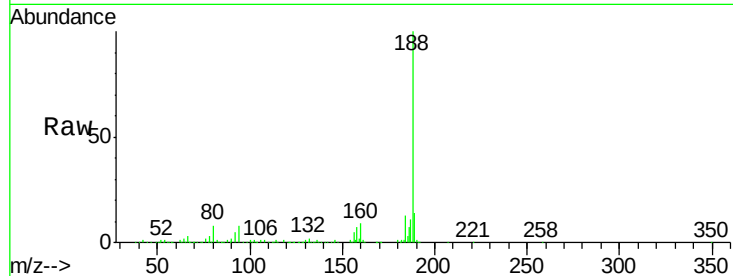
Tgt Ion:188 Resp: 462204

Ion Ratio Lower Upper

188 100

94 8.0 7.3 10.9

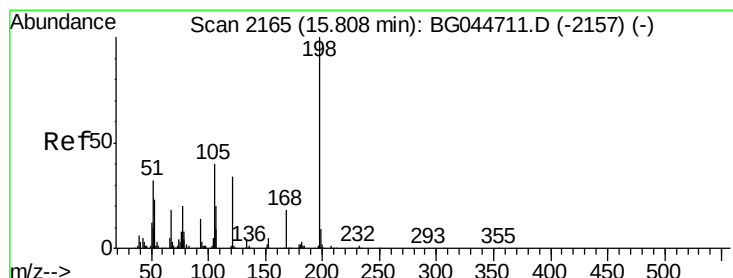
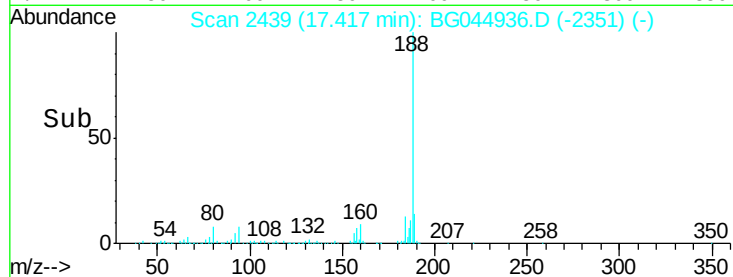
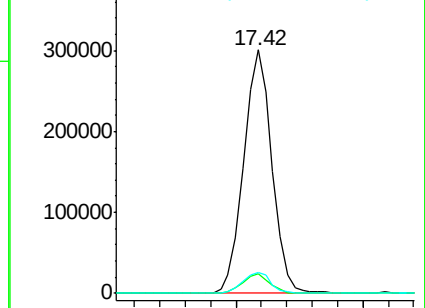
80 8.4 8.0 12.0



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: 7.75 ng

RT: 15.68 min Scan# 2144

Delta R.T. -0.11 min

Lab File: BG044936.D

Acq: 24 Mar 2020 18:47

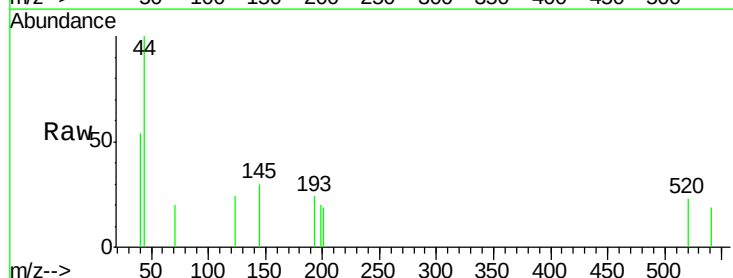
Tgt Ion:198 Resp: 57

Ion Ratio Lower Upper

198 100

51 0.0 21.1 61.1#

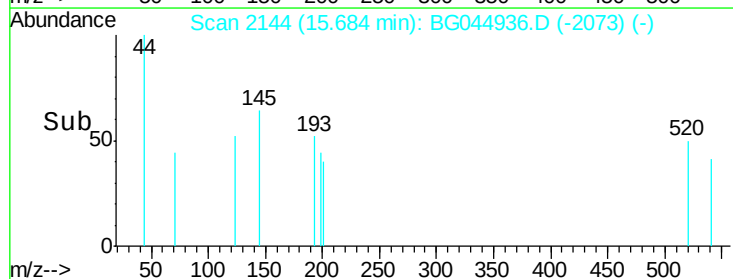
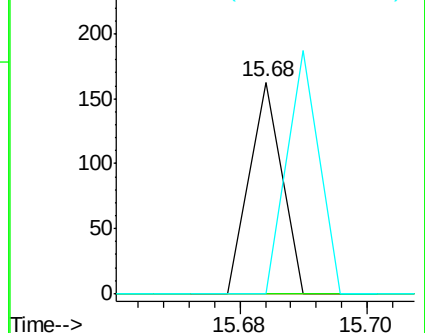
105 0.0 24.5 64.5#

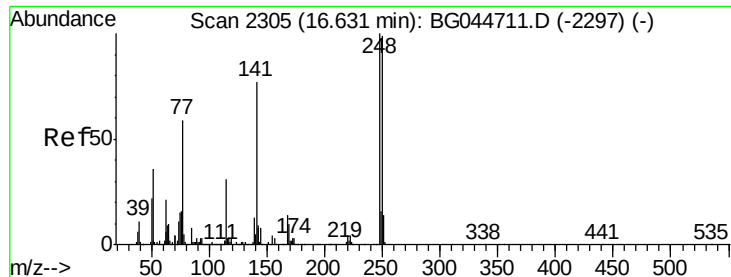


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

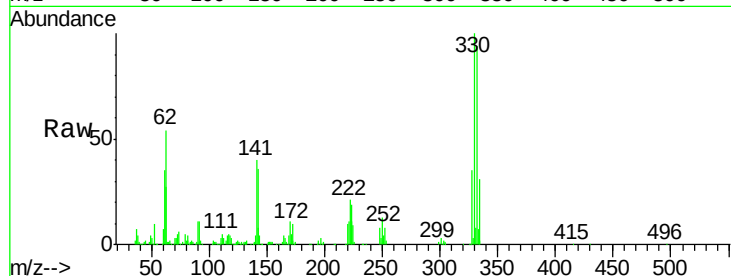




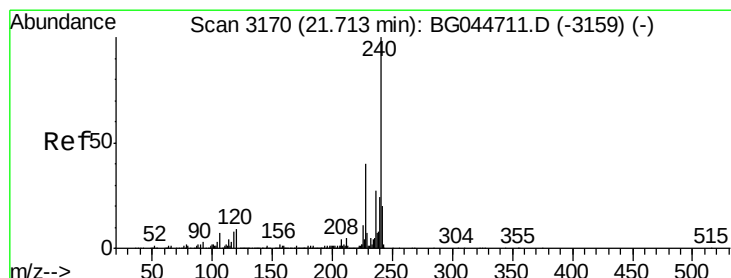
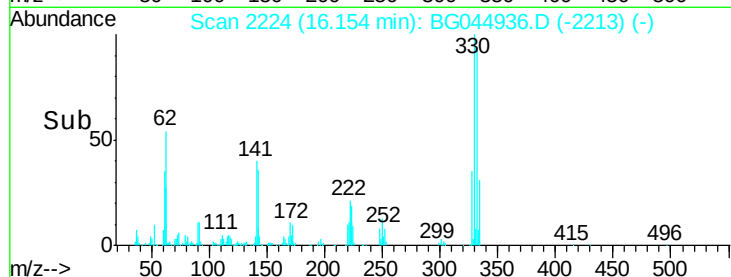
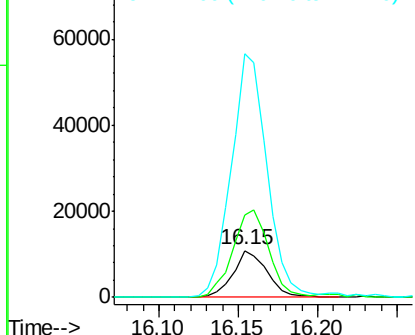
#67
 4-Bromophenyl-phenylether
 Concen: 2.82 ng
 RT: 16.15 min Scan# 2224
 Delta R.T. -0.46 min
 Lab File: BG044936.D
 Acq: 24 Mar 2020 18:47

Instrument :
 BNA_G
 ClientSampleId :
 PB127773BL

Tgt Ion:248 Resp: 16311
 Ion Ratio Lower Upper
 248 100
 250 173.5 77.9 116.9#
 141 516.9 57.5 86.3#

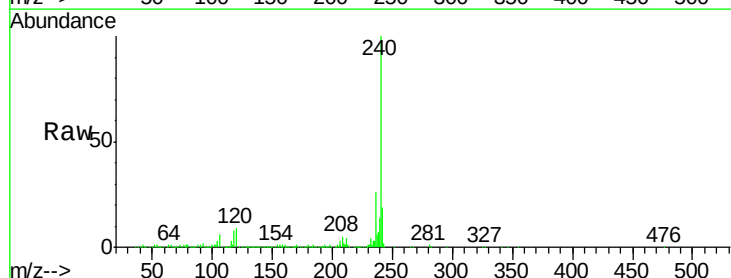


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

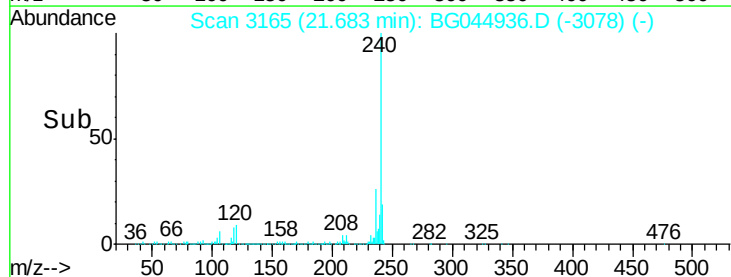
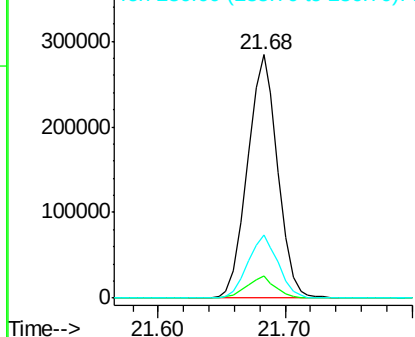


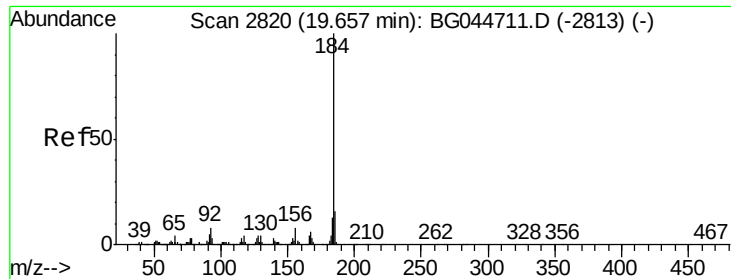
#76
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.68 min Scan# 3165
 Delta R.T. -0.02 min
 Lab File: BG044936.D
 Acq: 24 Mar 2020 18:47

Tgt Ion:240 Resp: 468978
 Ion Ratio Lower Upper
 240 100
 120 8.9 6.7 10.1
 236 25.7 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





#77

Benzidine

Concen: 2.60 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.38 min

Lab File: BG044936.D

Acq: 24 Mar 2020 18:47

Instrument :

BNA_G

ClientSampleId :

PB127773BL

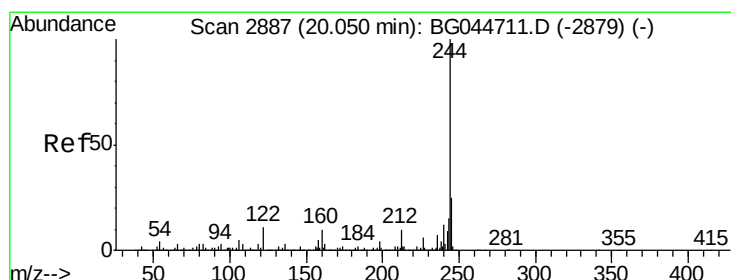
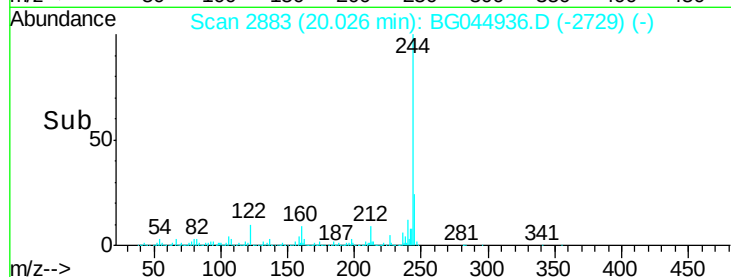
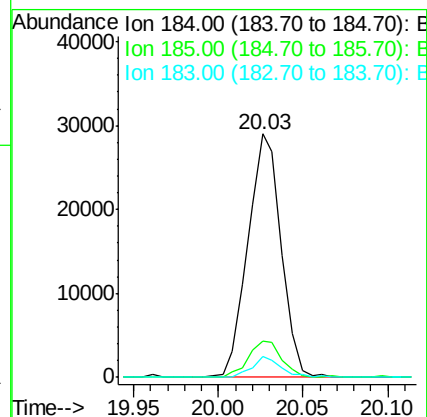
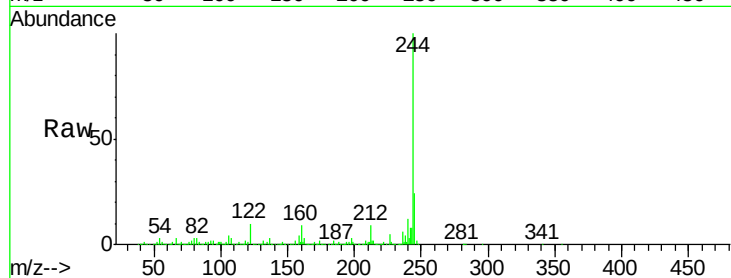
Tgt Ion:184 Resp: 39552

Ion Ratio Lower Upper

184 100

185 15.1 12.2 18.4

183 8.6 10.7 16.1#



#79

Terphenyl-d14

Concen: 82.51 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.01 min

Lab File: BG044936.D

Acq: 24 Mar 2020 18:47

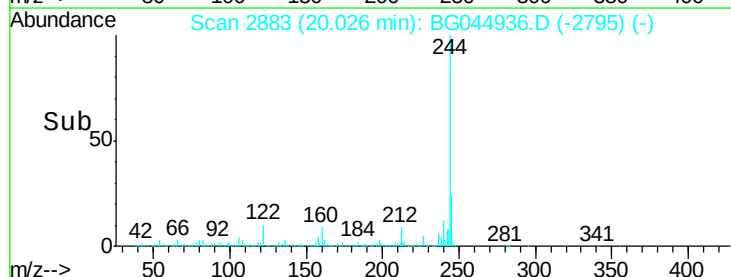
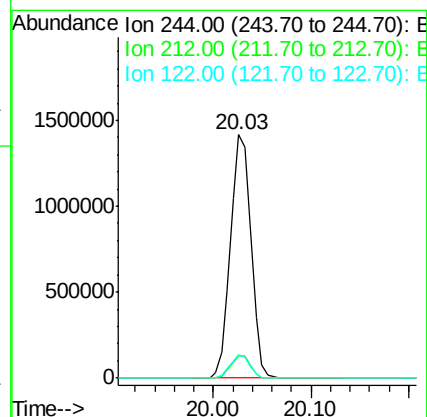
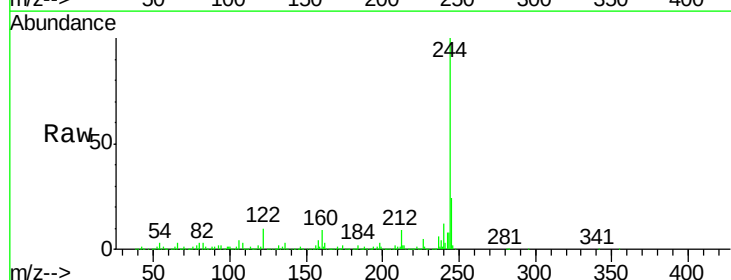
Tgt Ion:244 Resp: 2068709

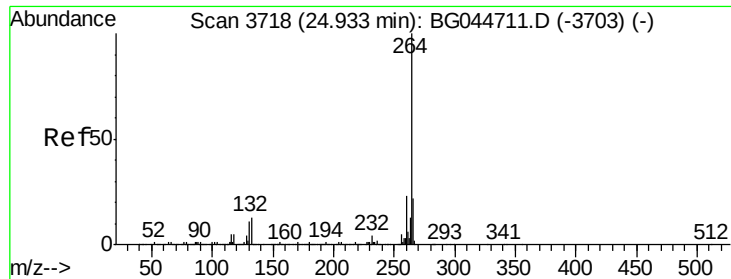
Ion Ratio Lower Upper

244 100

212 9.0 7.7 11.5

122 9.6 8.6 12.8





#87
Perylene-d12
Concen: 20.00 ng
RT: 24.88 min Scan# 3710
Delta R.T. -0.02 min
Lab File: BG044936.D
Acq: 24 Mar 2020 18:47

Instrument :
BNA_G
ClientSampleId :
PB127773BL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.1	27.1
265	21.9	17.1	25.7

