

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031620\
 Data File : BG044814.D
 Acq On : 16 Mar 2020 15:40
 Operator : CG/JU
 Sample : PB127559BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 16 17:45:00 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 16 17:37:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	89573	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	348684	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	238340	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	588497	20.00	ng	0.00
76) Chrysene-d12	21.69	240	542946	20.00	ng	0.00
87) Perylene-d12	24.91	264	607875	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	672267	116.83	ng	0.00
7) Phenol-d6	7.20	99	930829	111.34	ng	0.00
23) Nitrobenzene-d5	9.21	82	613675	77.23	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	409027	131.07	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1285915	77.26	ng	0.00
79) Terphenyl-d14	20.04	244	2248312	77.46	ng	0.00

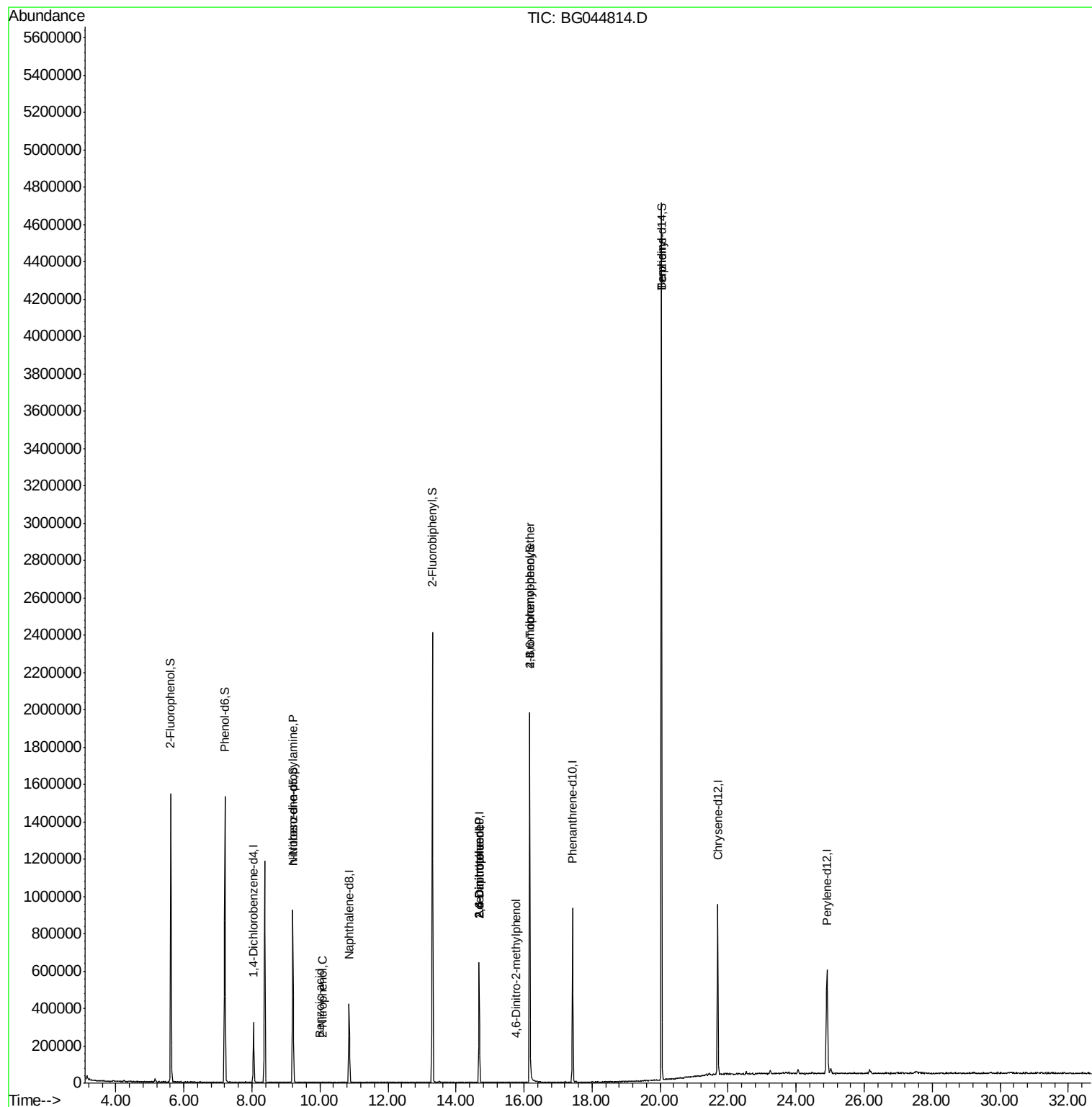
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.20	77	1719	Below Cal		# 6
19) n-Nitroso-di-n-propylamine	9.21	70	80769	13.682	ng	# 71
26) 2-Nitrophenol	10.09	139	60	5.534	ng	# 28
32) Benzoic acid	9.99	122	61	9.682	ng	# 1
51) 2,6-Dinitrotoluene	14.68	165	30039	7.851	ng	# 23
54) 2,4-Dinitrophenol	14.69	184	145	8.388	ng	# 89
57) 2,4-Dinitrotoluene	14.68	165	30039	5.724	ng	# 23
65) 4,6-Dinitro-2-methylphenol	15.77	198	91	7.756	ng	# 28
67) 4-Bromophenyl-phenylether	16.16	248	28538	3.879	ng	# 1
77) Benzidine	20.03	184	42858	2.431	ng	# 90

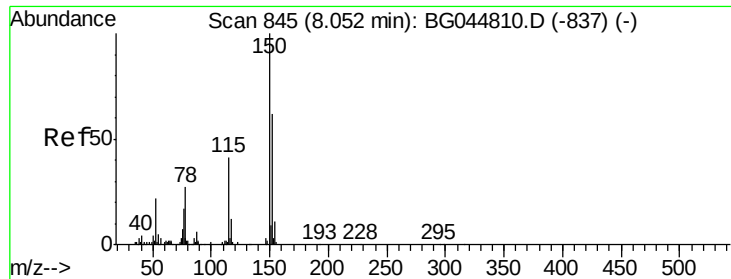
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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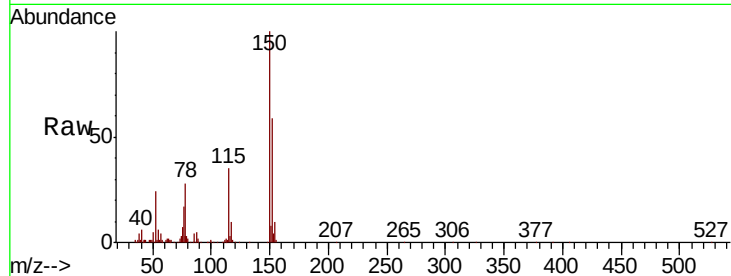


#1

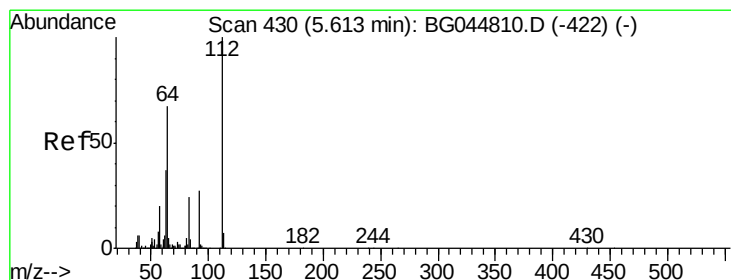
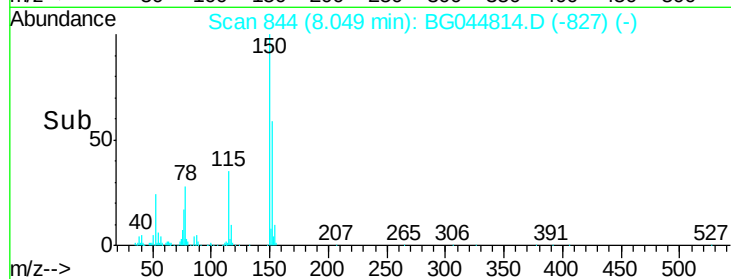
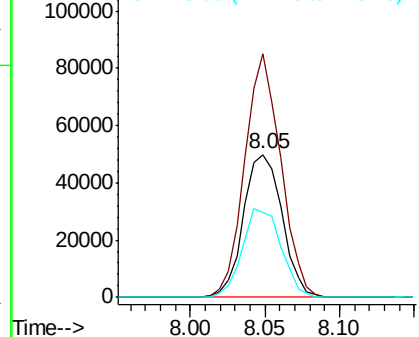
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.05 min Scan# 844
 Delta R.T. -0.00 min
 Lab File: BG044814.D
 Acq: 16 Mar 2020 15:40

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	170.8	128.8	193.2
115	59.8	52.6	79.0



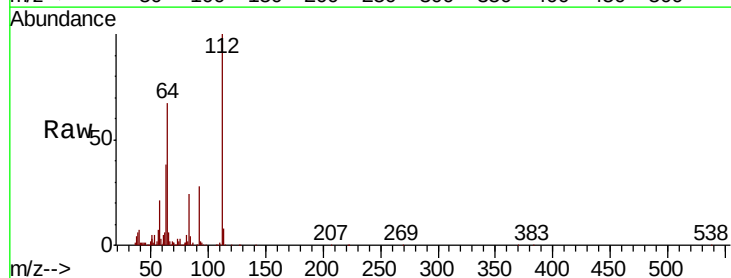
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



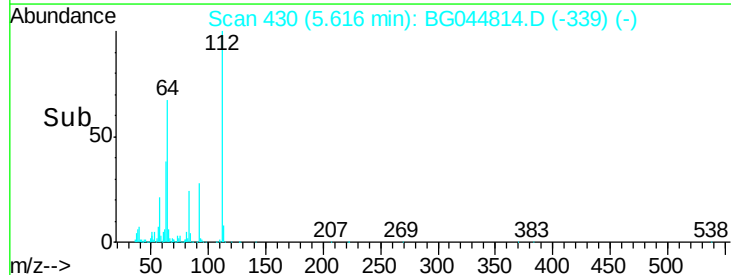
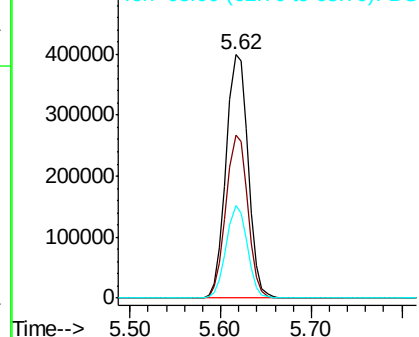
#5

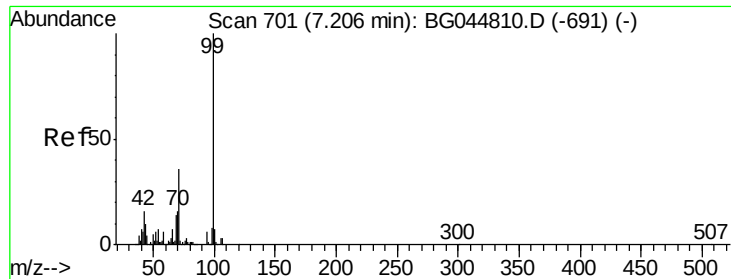
2-Fluorophenol
 Concen: 116.834 ng
 RT: 5.62 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: BG044814.D
 Acq: 16 Mar 2020 15:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.9	53.4	80.2
63	37.9	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: 111.340 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG044814.D

Acq: 16 Mar 2020 15:40

Instrument :

BNA_G

ClientSampleId :

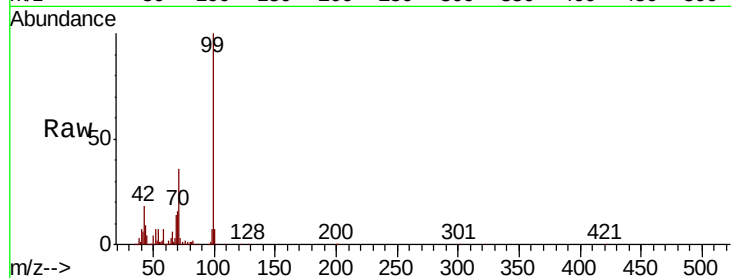
Tot Ion: 99 Resp: 930829

Ion Ratio Lower Upper

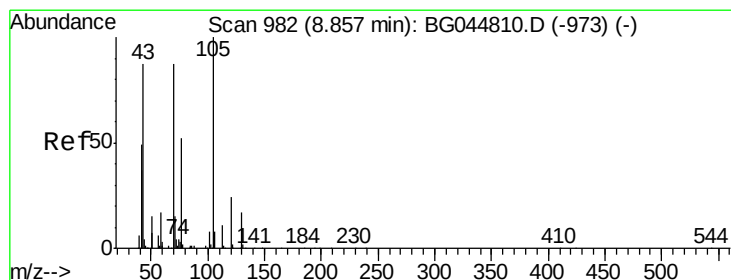
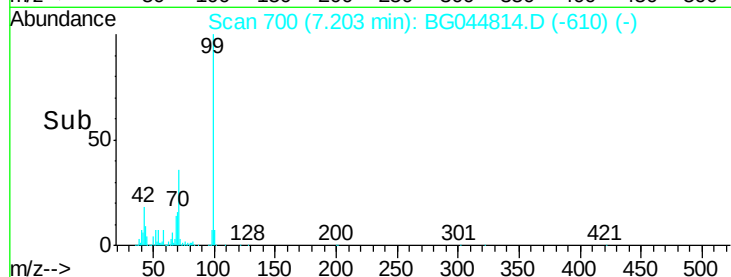
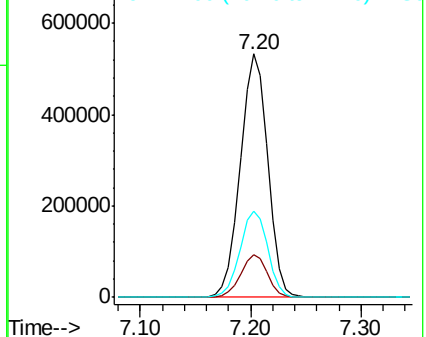
99 100

42 17.7 12.6 19.0

71 35.6 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: 13.682 ng

RT: 9.21 min Scan# 1041

Delta R.T. 0.35 min

Lab File: BG044814.D

Acq: 16 Mar 2020 15:40

Tgt Ion: 70 Resp: 80769

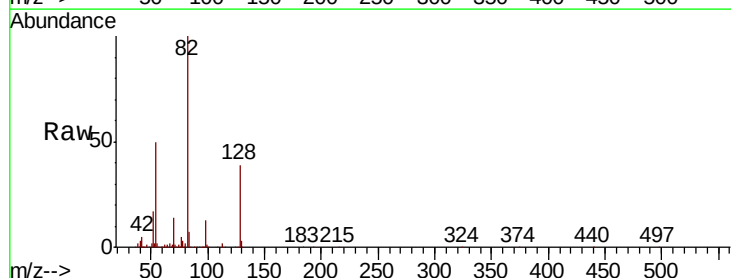
Ion Ratio Lower Upper

70 100

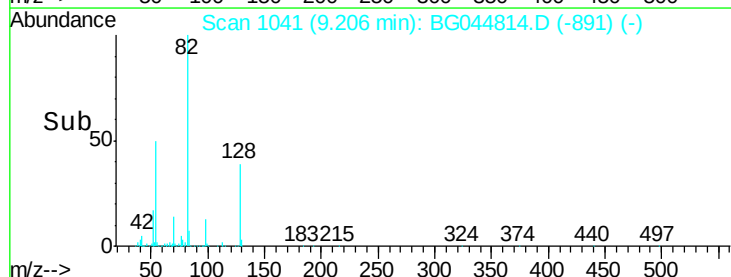
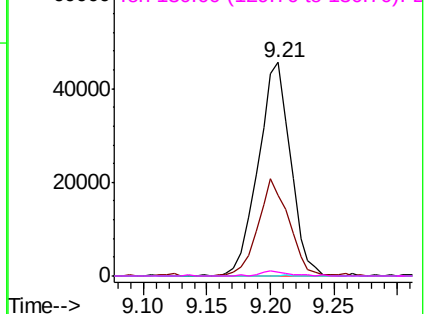
42 38.0 45.7 68.5#

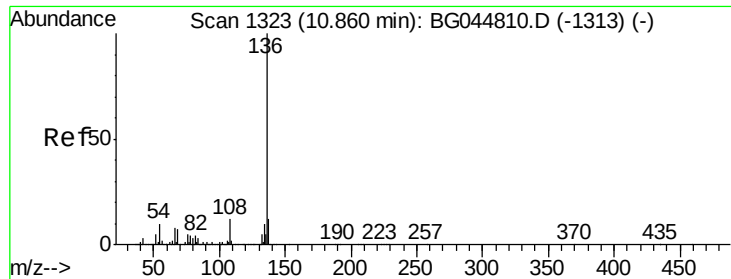
101 0.0 7.4 11.2#

130 1.6 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: 20.000 ng

RT: 10.86 min Scan# 1322

Delta R.T. -0.00 min

Lab File: BG044814.D

Acq: 16 Mar 2020 15:40

Instrument :

BNA_G

ClientSampled :

Tot Ion:136 Resp: 348684

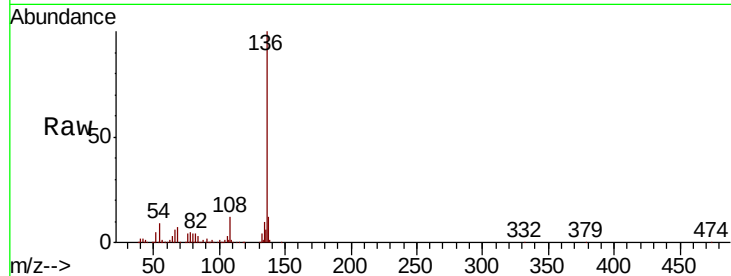
Ion Ratio Lower Upper

136 100

137 11.6 9.8 14.6

54 9.1 7.9 11.9

68 7.1 5.4 8.0

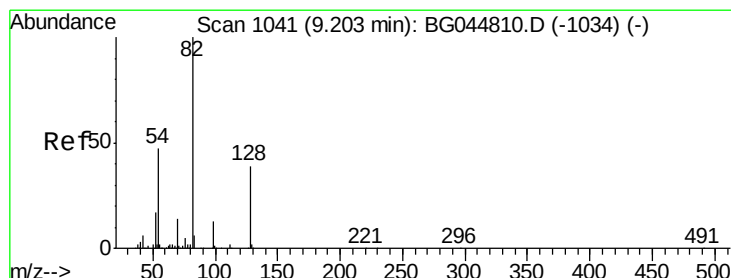
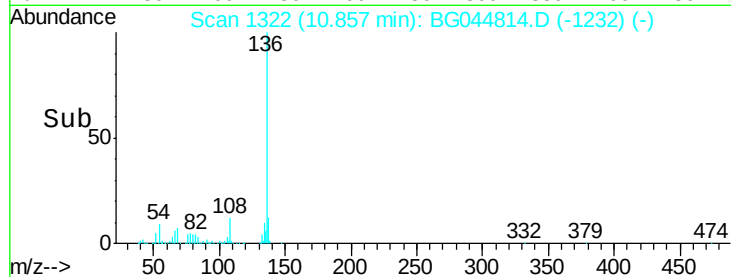
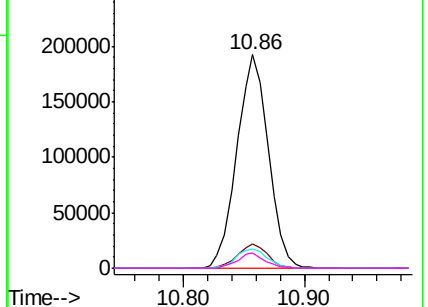


Abundance Ion 136.00 (135.70 to 136.70): E

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: 77.230 ng

RT: 9.21 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BG044814.D

Acq: 16 Mar 2020 15:40

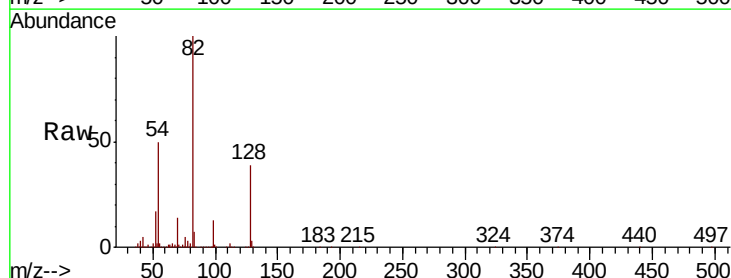
Tgt Ion: 82 Resp: 613675

Ion Ratio Lower Upper

82 100

128 39.2 30.6 46.0

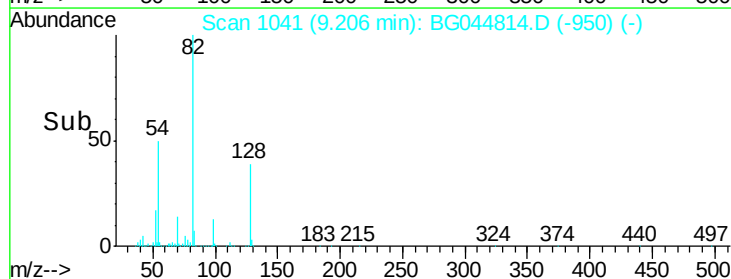
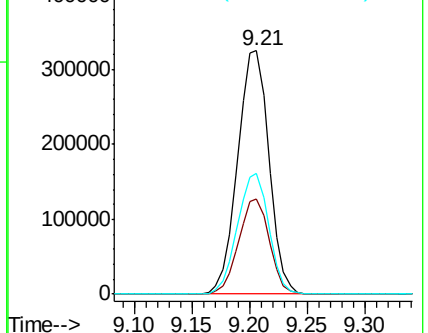
54 49.8 37.1 55.7

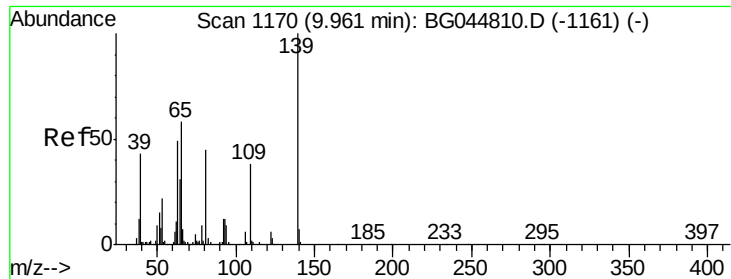


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

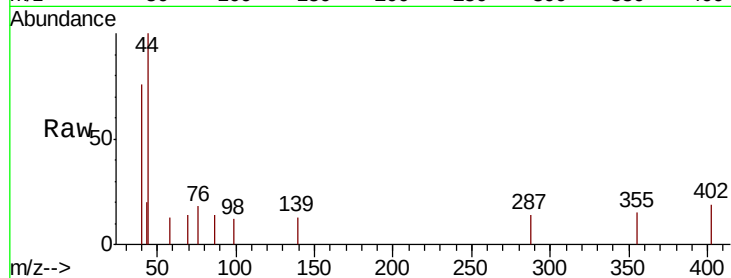




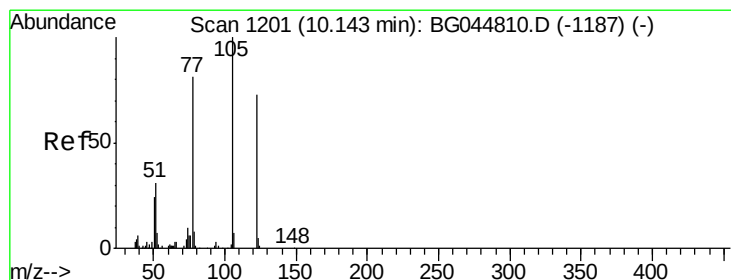
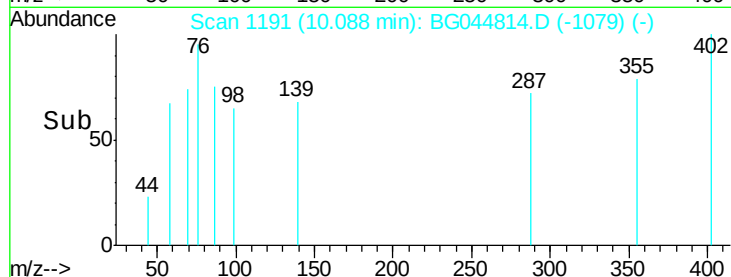
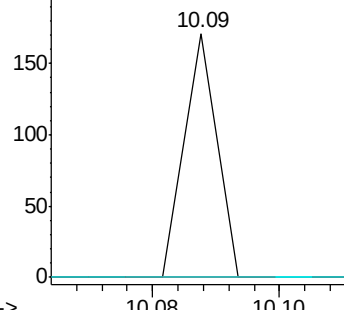
#26
2-Nitrophenol
Concen: 5.534 ng
RT: 10.09 min Scan# 1191
Delta R.T. 0.13 min
Lab File: BG044814.D
Acq: 16 Mar 2020 15:40

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	30.2	45.4#
65	0.0	46.3	69.5#

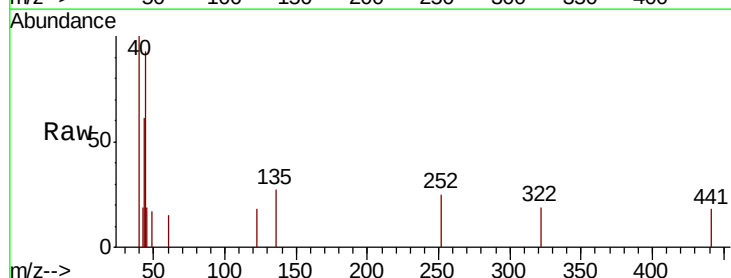


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

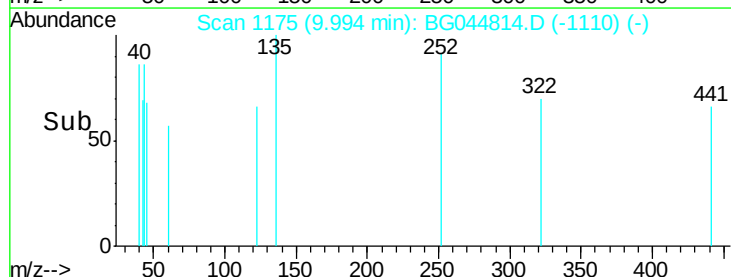
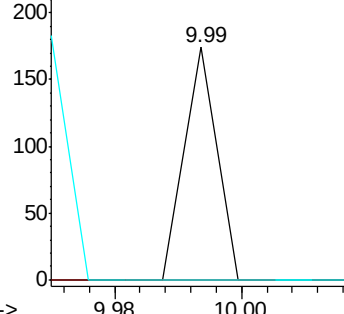


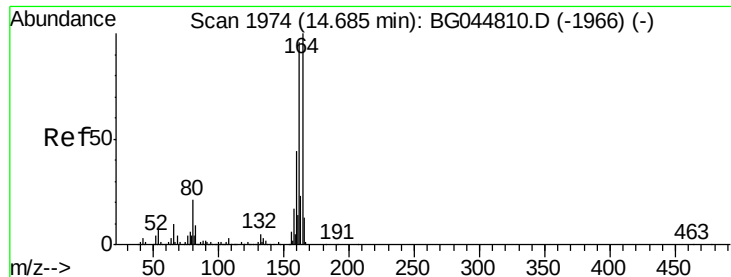
#32
Benzoic acid
Concen: 9.682 ng
RT: 9.99 min Scan# 1175
Delta R.T. -0.15 min
Lab File: BG044814.D
Acq: 16 Mar 2020 15:40

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	109.1	149.1#
77	0.0	85.3	125.3#



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: 14.68 min Scan# 1973

Delta R.T. -0.00 min

Lab File: BG044814.D

Acq: 16 Mar 2020 15:40

Instrument :

BNA_G

ClientSampleId :

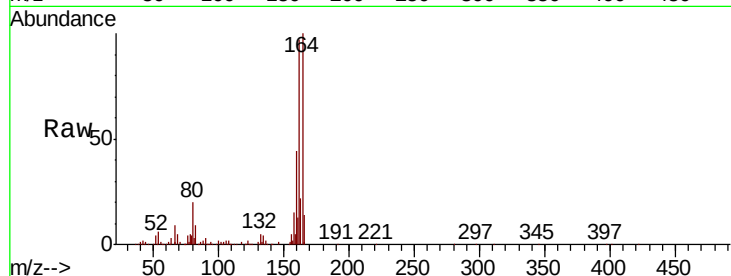
Tot Ion:164 Resp: 238340

Ion Ratio Lower Upper

164 100

162 97.5 76.7 115.1

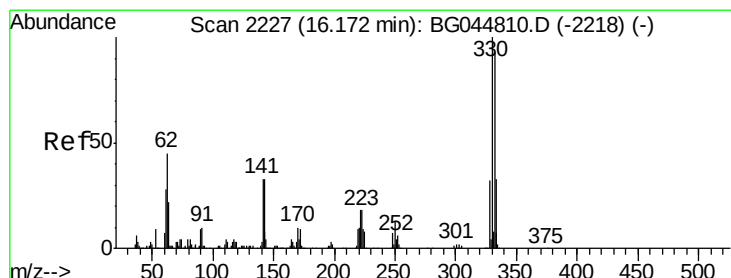
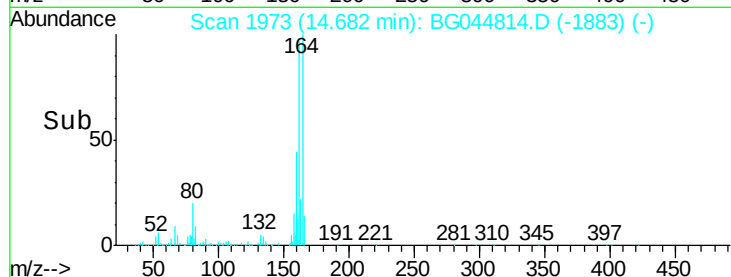
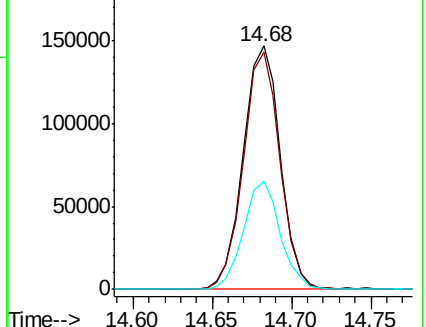
160 44.4 35.0 52.4



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: 131.069 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.00 min

Lab File: BG044814.D

Acq: 16 Mar 2020 15:40

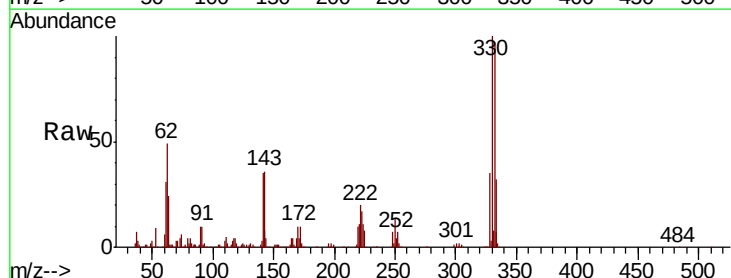
Tgt Ion:330 Resp: 409027

Ion Ratio Lower Upper

330 100

332 96.7 77.8 116.6

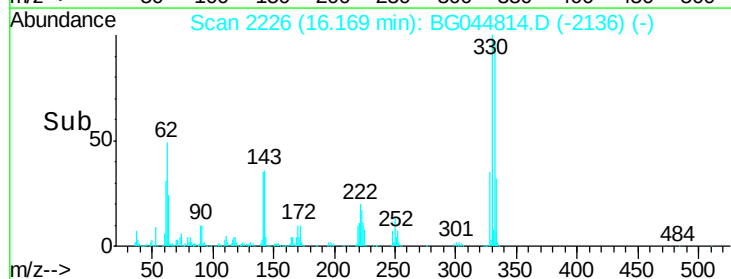
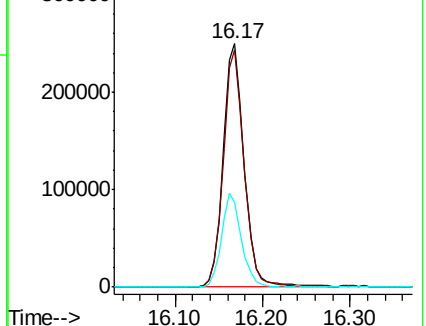
141 36.5 29.5 44.3

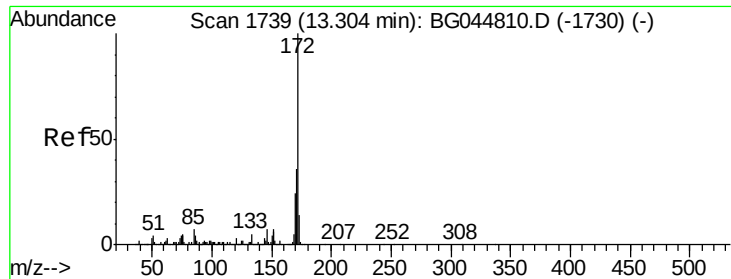


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

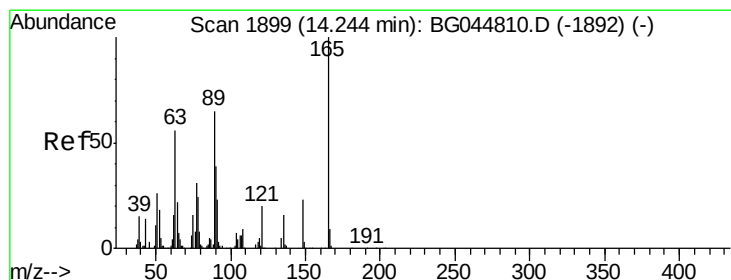
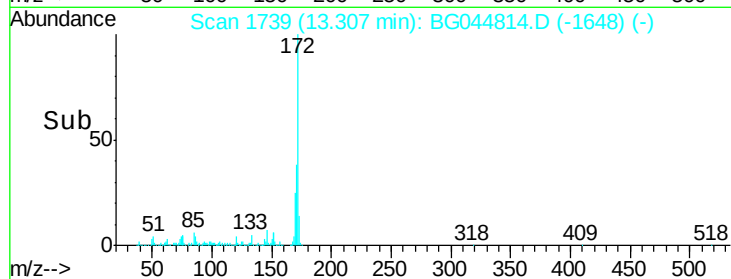
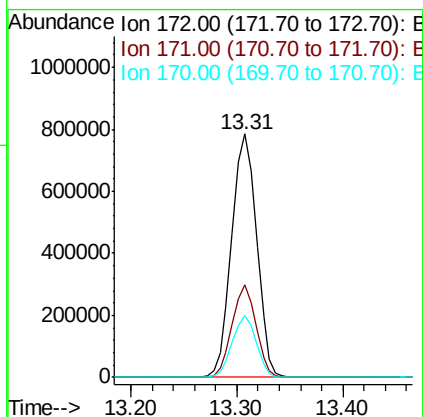
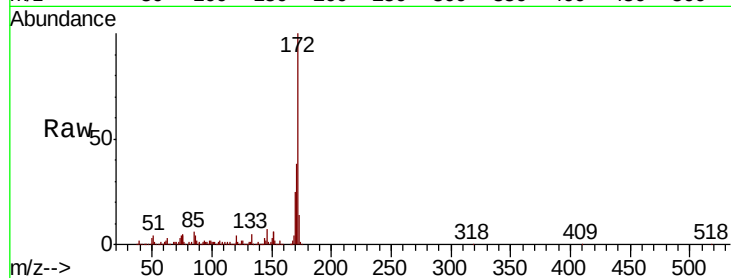




#45
2-Fluorobiphenyl
Concen: 77.262 ng
RT: 13.31 min Scan# 1739
Delta R.T. 0.00 min
Lab File: BG044814.D
Acq: 16 Mar 2020 15:40

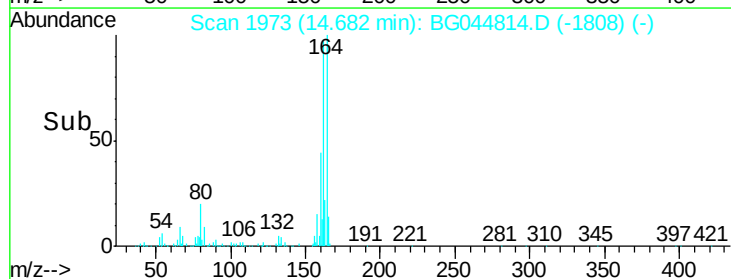
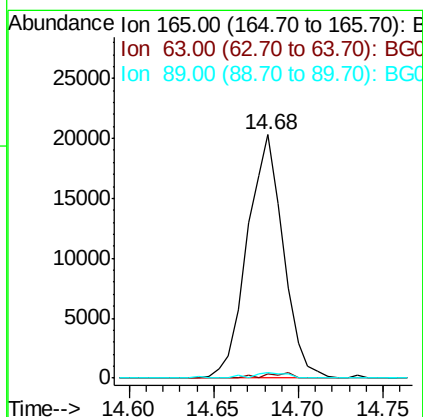
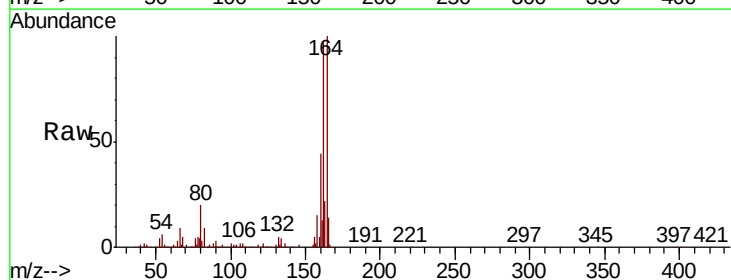
Instrument :
BNA_G
ClientSampled :

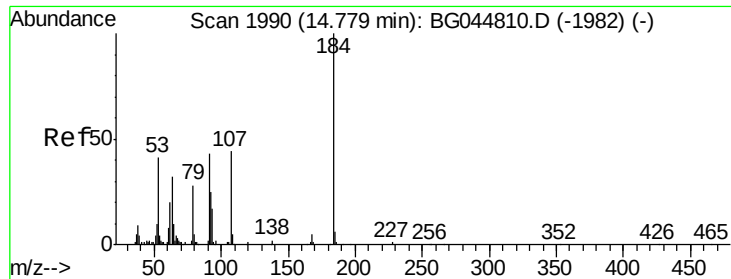
Tot Ion:172 Resp: 1285915
Ion Ratio Lower Upper
172 100
171 38.0 28.7 43.1
170 25.3 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 7.851 ng
RT: 14.68 min Scan# 1973
Delta R.T. 0.44 min
Lab File: BG044814.D
Acq: 16 Mar 2020 15:40

Tgt Ion:165 Resp: 30039
Ion Ratio Lower Upper
165 100
63 2.0 45.8 68.8#
89 2.0 51.8 77.6#





#54

2,4-Dinitrophenol

Concen: 8.388 ng

RT: 14.69 min Scan# 1974

Delta R.T. -0.09 min

Lab File: BG044814.D

Acq: 16 Mar 2020 15:40

Instrument :

BNA_G

ClientSampled :

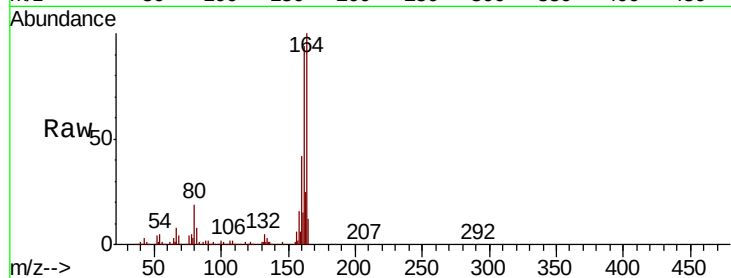
Tot Ion:184 Resp: 145

Ion Ratio Lower Upper

184 100

63 54.4 45.5 68.3

154 74.9 49.1 73.7#



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

600

500

400

300

200

100

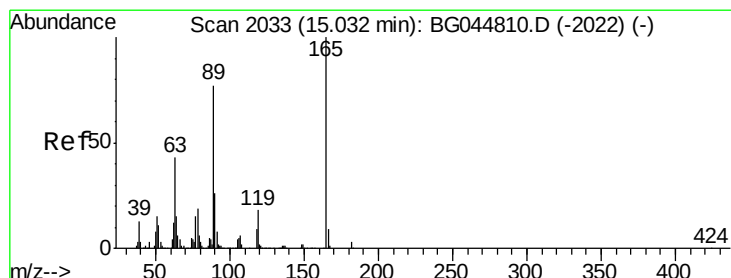
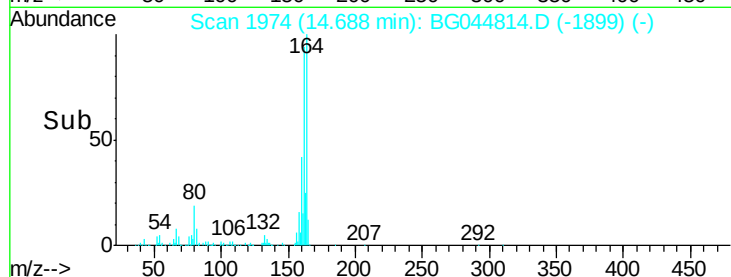
0

14.68

14.69

14.70

Time-->



#57

2,4-Dinitrotoluene

Concen: 5.724 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.35 min

Lab File: BG044814.D

Acq: 16 Mar 2020 15:40

Tgt Ion:165 Resp: 30039

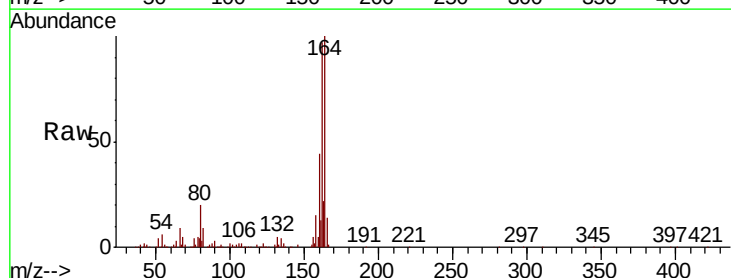
Ion Ratio Lower Upper

165 100

63 2.0 34.6 52.0#

89 2.0 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): BG

Ion 89.00 (88.70 to 89.70): BG

Ion 182.00 (181.70 to 182.70): E

30000

25000

20000

15000

10000

5000

0

14.60

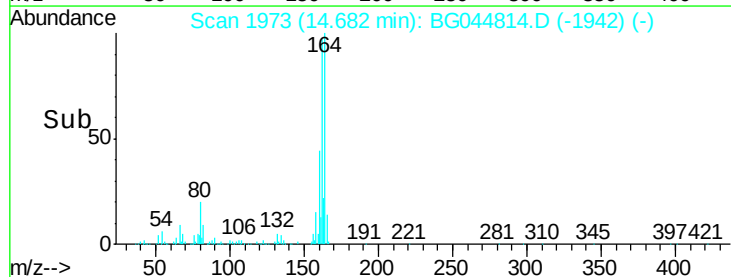
14.65

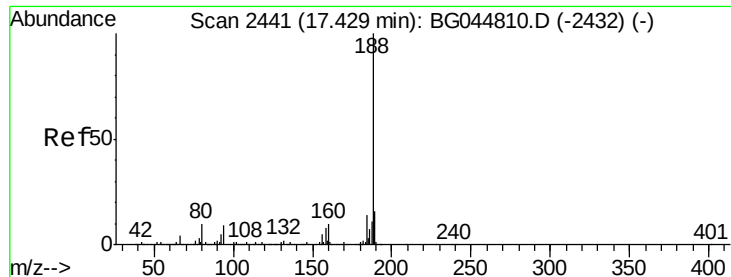
14.68

14.70

14.75

Time-->





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.43 min Scan# 2440

Delta R.T. -0.00 min

Lab File: BG044814.D

Acq: 16 Mar 2020 15:40

Instrument :

BNA_G

ClientSampled :

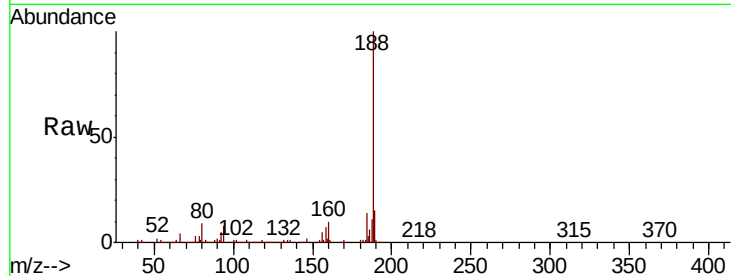
Tot Ion:188 Resp: 588497

Ion Ratio Lower Upper

188 100

94 8.1 7.3 10.9

80 8.8 8.0 12.0



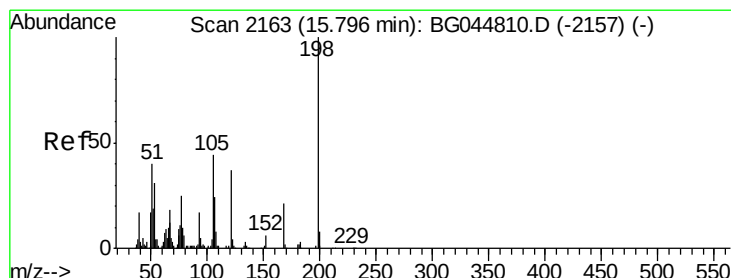
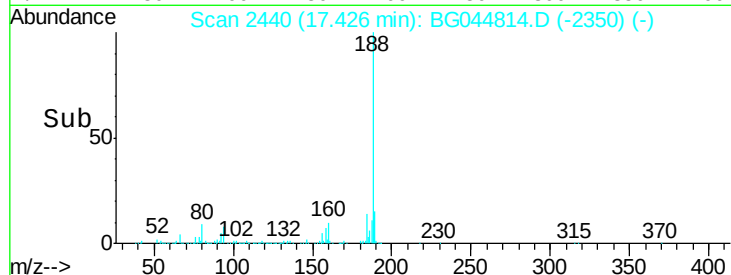
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

17.43

Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 7.756 ng

RT: 15.77 min Scan# 2159

Delta R.T. -0.02 min

Lab File: BG044814.D

Acq: 16 Mar 2020 15:40

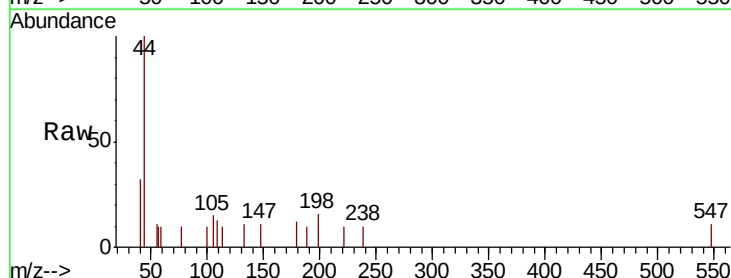
Tgt Ion:198 Resp: 91

Ion Ratio Lower Upper

198 100

51 0.0 21.1 61.1#

105 95.0 24.5 64.5#



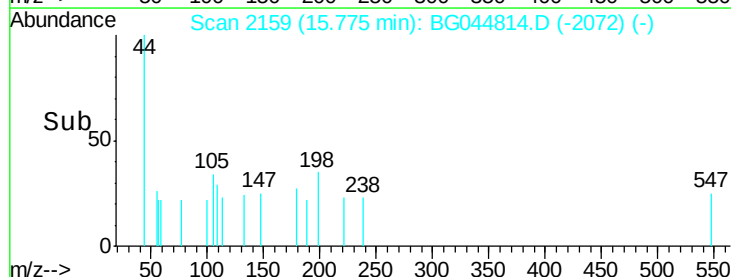
Abundance Ion 198.00 (197.70 to 198.70): E

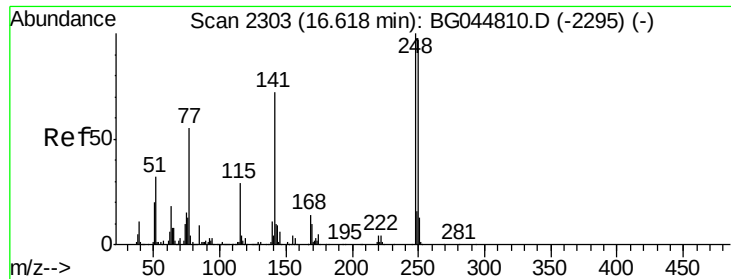
Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

15.77

Time-->

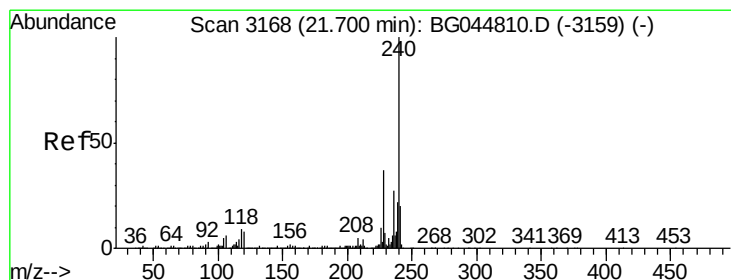
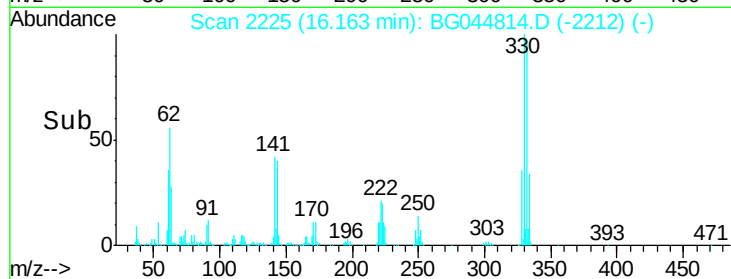
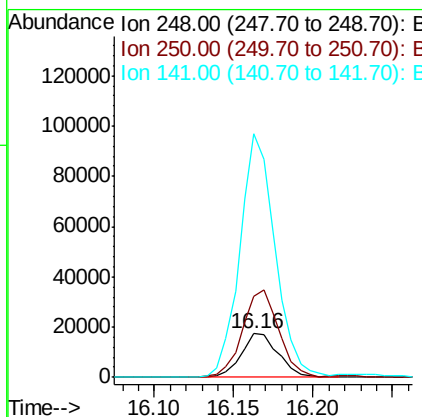
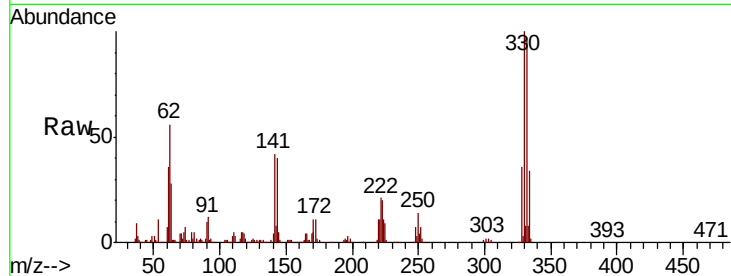




#67
 4-Bromophenyl-phenylether
 Concen: 3.879 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.46 min
 Lab File: BG044814.D
 Acq: 16 Mar 2020 15:40

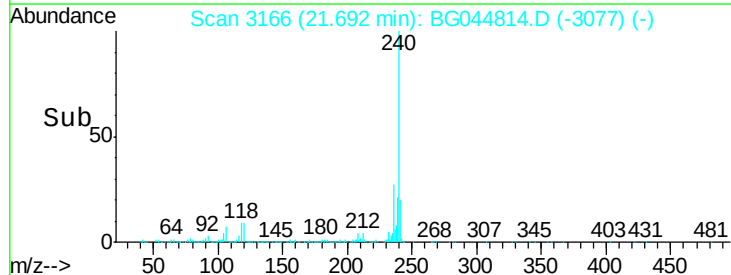
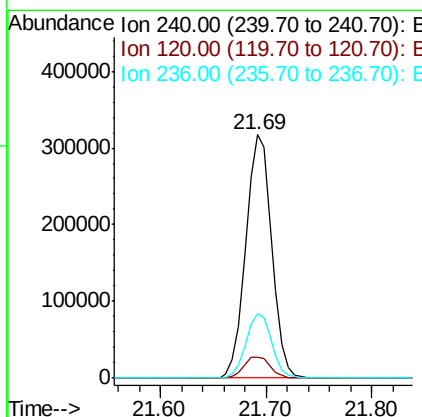
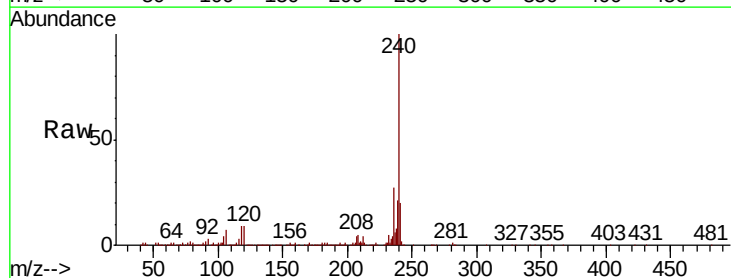
Instrument :
 BNA_G
 ClientSampleId :

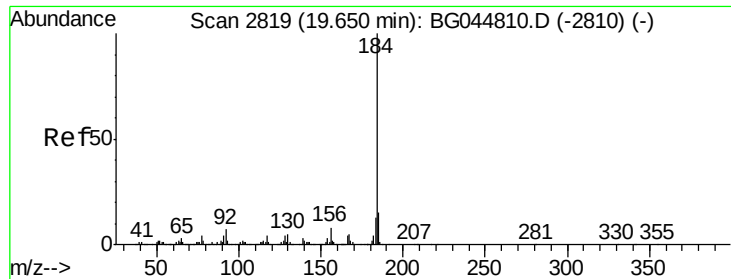
Tot Ion:248 Resp: 28538
 Ion Ratio Lower Upper
 248 100
 250 187.4 77.9 116.9#
 141 560.4 57.5 86.3#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3166
 Delta R.T. -0.01 min
 Lab File: BG044814.D
 Acq: 16 Mar 2020 15:40

Tgt Ion:240 Resp: 542946
 Ion Ratio Lower Upper
 240 100
 120 8.6 6.7 10.1
 236 26.5 21.5 32.3





#77

Benzidine

Concen: 2.431 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.38 min

Lab File: BG044814.D

Acq: 16 Mar 2020 15:40

Instrument :

BNA_G

ClientSampleId :

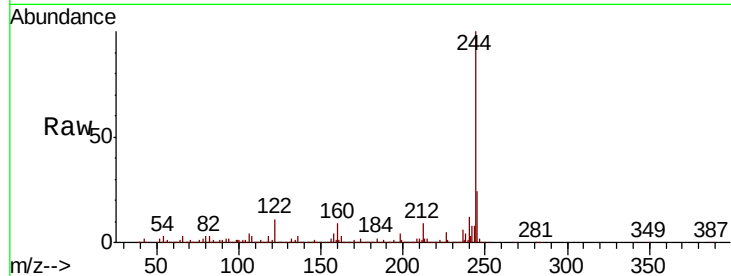
Tot Ion:184 Resp: 42858

Ion Ratio Lower Upper

184 100

185 12.2 12.2 18.4#

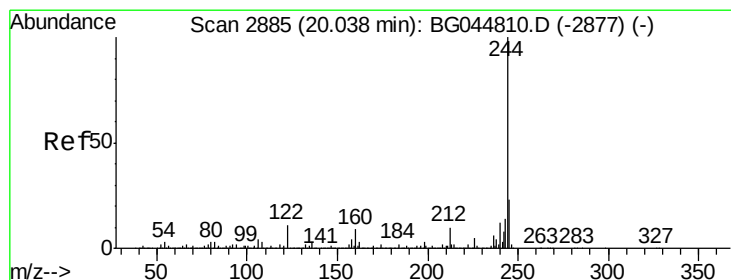
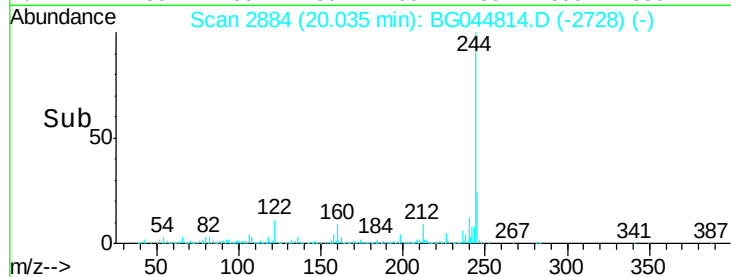
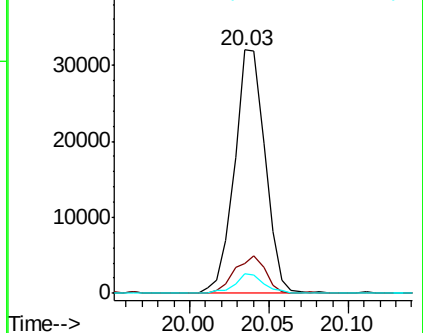
183 8.2 10.7 16.1#



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: 77.458 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.00 min

Lab File: BG044814.D

Acq: 16 Mar 2020 15:40

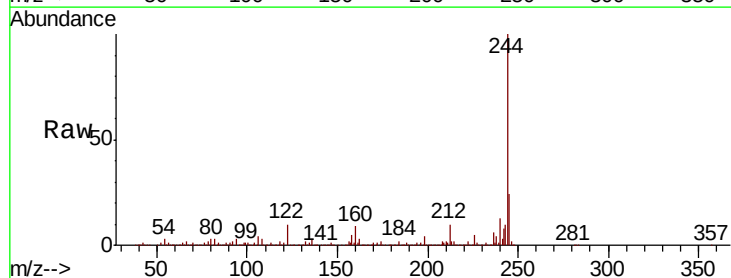
Tgt Ion:244 Resp: 2248312

Ion Ratio Lower Upper

244 100

212 9.9 7.7 11.5

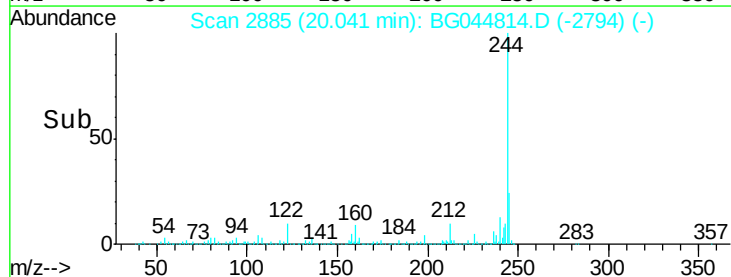
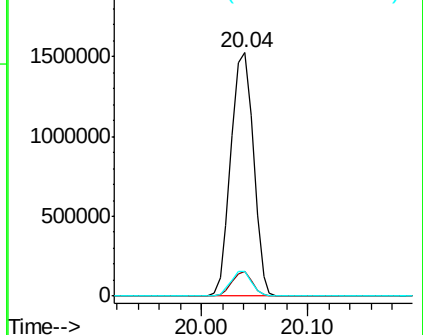
122 10.1 8.6 12.8

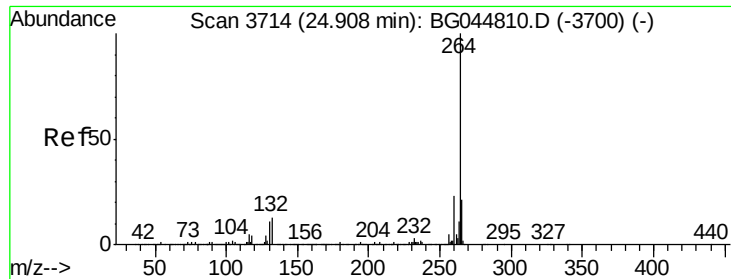


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.91 min Scan# 3713
 Delta R.T. -0.00 min
 Lab File: BG044814.D
 Acq: 16 Mar 2020 15:40

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.1	27.1
265	22.2	17.1	25.7

