

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011320\
 Data File : BG044030.D
 Acq On : 14 Jan 2020 2:53
 Operator : JU
 Sample : L1103-06
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 14 10:18:22 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 31 13:32:23 2019
 Response via : Initial Calibration

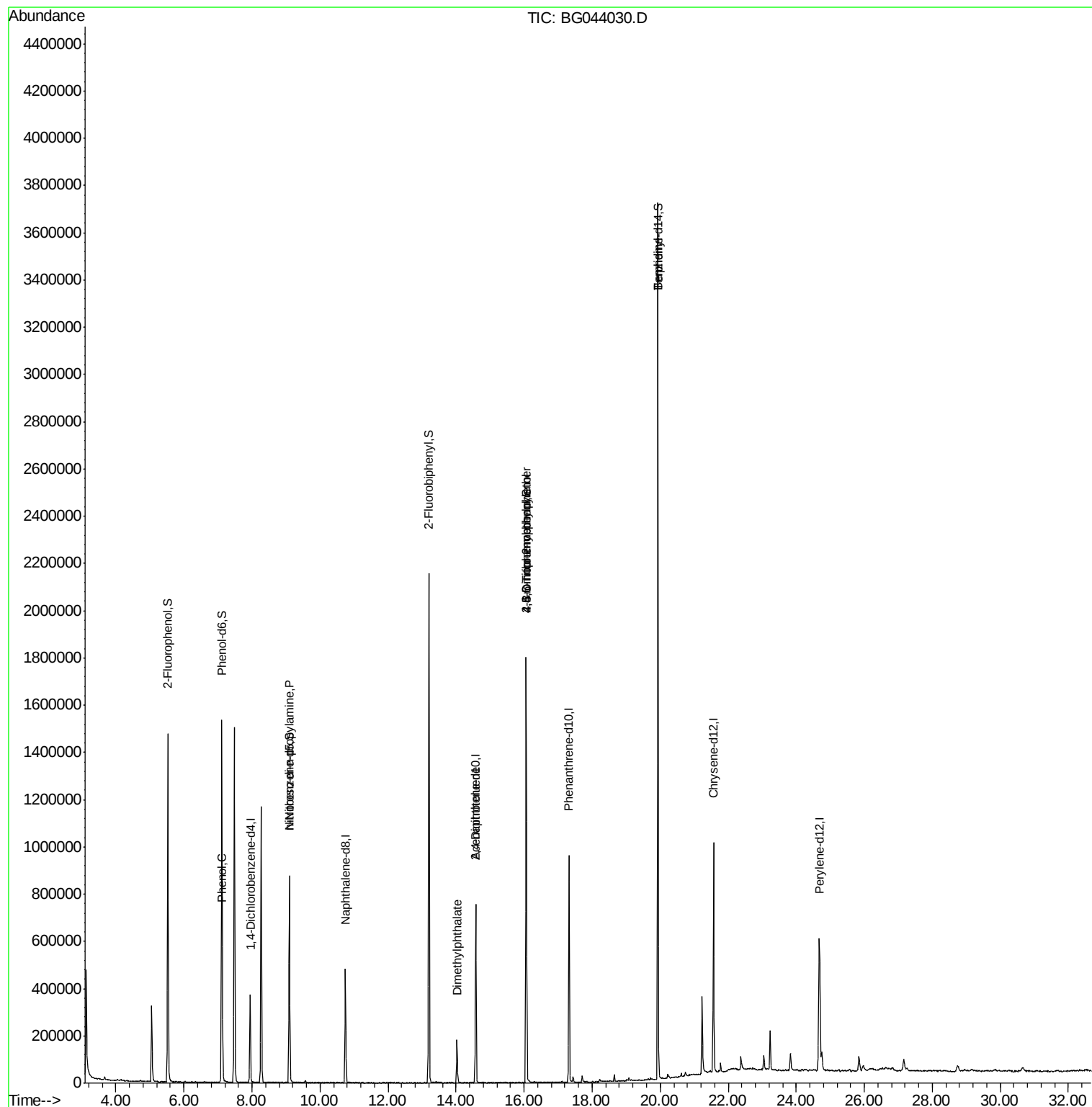
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	111632	20.00	ng	-0.02
21) Naphthalene-d8	10.75	136	450038	20.00	ng	-0.02
39) Acenaphthene-d10	14.57	164	273802	20.00	ng	-0.02
64) Phenanthrene-d10	17.32	188	592880	20.00	ng	-0.02
76) Chrysene-d12	21.57	240	539314	20.00	ng	-0.02
87) Perylene-d12	24.68	264	595857	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	719244	118.30	ng	-0.01
7) Phenol-d6	7.11	99	969747	114.11	ng	-0.01
23) Nitrobenzene-d5	9.10	82	562427	66.86	ng	-0.02
42) 2,4,6-Tribromophenol	16.07	330	333113	116.26	ng	-0.02
45) 2-Fluorobiphenyl	13.20	172	1180666	78.13	ng	-0.02
79) Terphenyl-d14	19.93	244	1716554	74.08	ng	-0.02
Target Compounds						
10) Phenol	7.14	94	27378	3.127	ng	# 75
19) n-Nitroso-di-n-propylamine	9.10	70	73711	11.647	ng	# 79
50) Dimethylphthalate	14.03	163	134353	6.911	ng	# 97
57) 2,4-Dinitrotoluene	14.57	165	37269	6.233	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.07	198	1097	4.716	ng	# 1
67) 4-Bromophenyl-phenylether	16.07	248	23605	3.540	ng	# 1
77) Benizidine	19.93	184	29400	2.169	ng	# 93

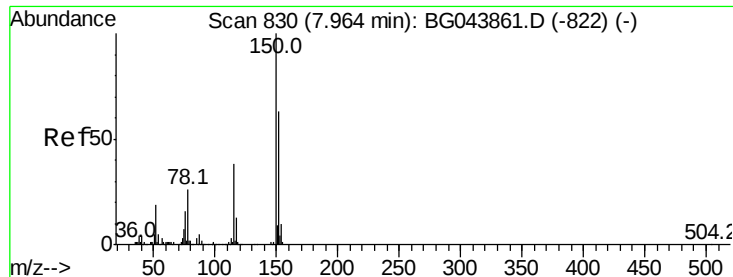
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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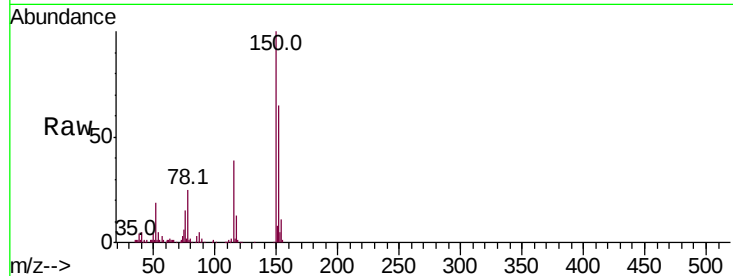


#1

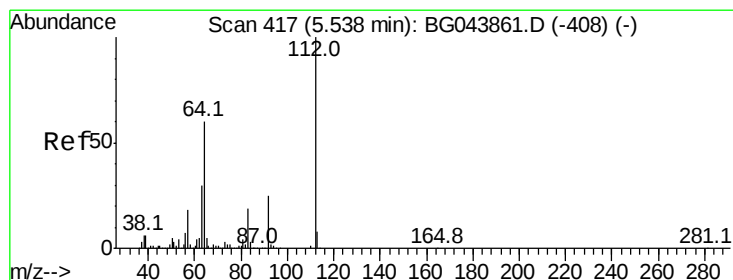
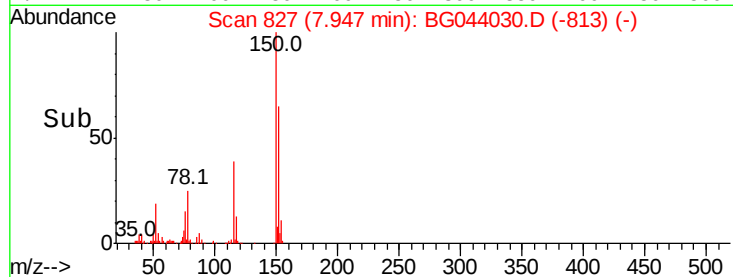
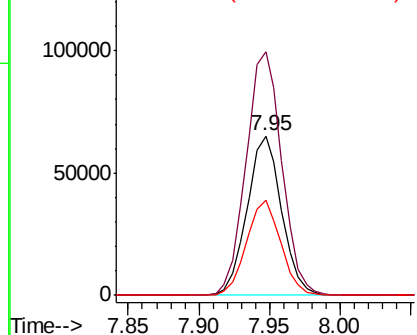
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 827
Delta R.T. -0.02 min
Lab File: BG044030.D
Acq: 14 Jan 2020 2:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 111632
Ion Ratio Lower Upper
152 100
150 152.9 127.0 190.4
115 59.7 47.8 71.8



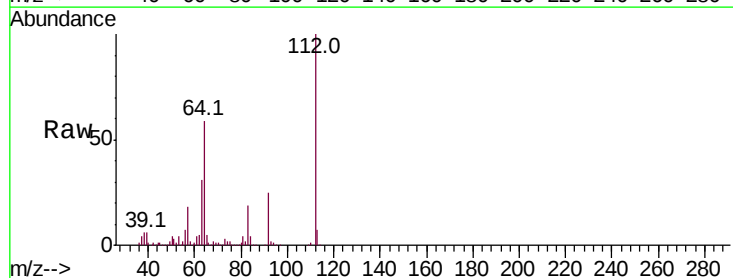
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



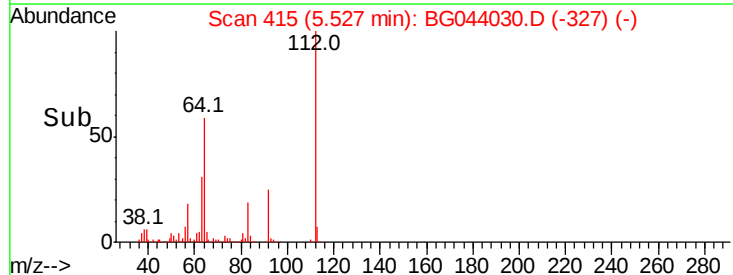
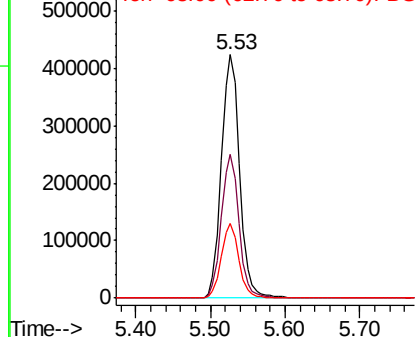
#5

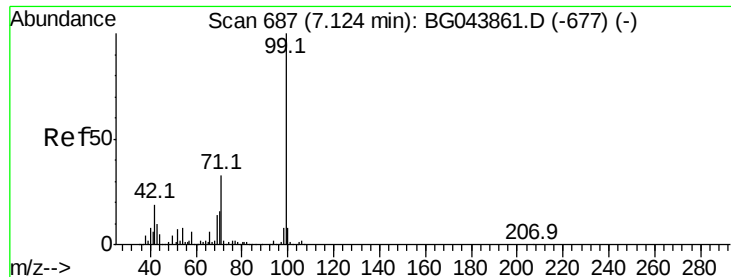
2-Fluorophenol
Concen: 118.301 ng
RT: 5.53 min Scan# 415
Delta R.T. -0.01 min
Lab File: BG044030.D
Acq: 14 Jan 2020 2:53

Tgt Ion:112 Resp: 719244
Ion Ratio Lower Upper
112 100
64 59.0 47.8 71.6
63 30.8 24.3 36.5



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: 114.109 ng

RT: 7.11 min Scan# 685

Delta R.T. -0.01 min

Lab File: BG044030.D

Acq: 14 Jan 2020 2:53

Instrument :

BNA_G

ClientSampleId :

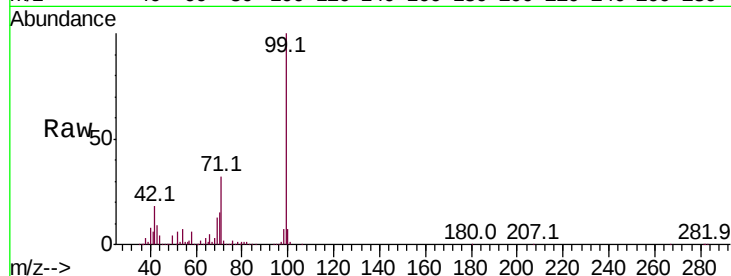
Tot Ion: 99 Resp: 969747

Ion Ratio Lower Upper

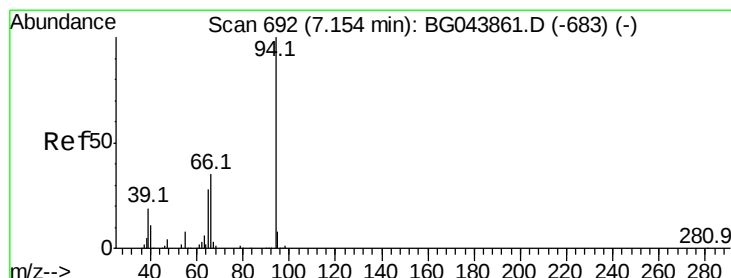
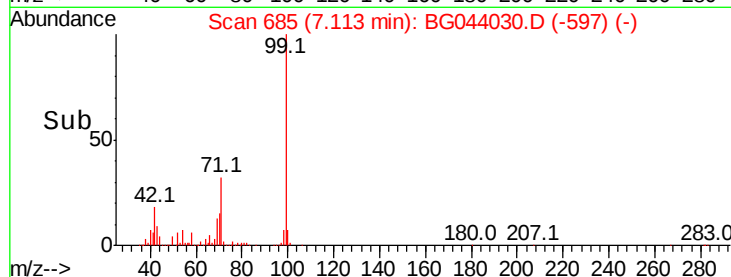
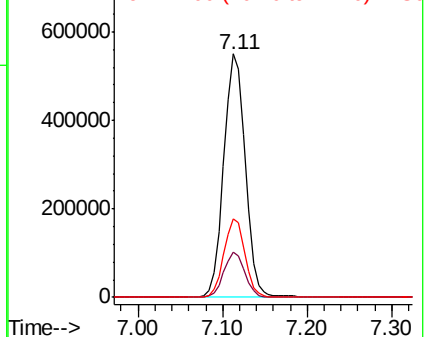
99 100

42 18.3 14.9 22.3

71 32.1 26.4 39.6



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



#10

Phenol

Concen: 3.127 ng

RT: 7.14 min Scan# 689

Delta R.T. -0.02 min

Lab File: BG044030.D

Acq: 14 Jan 2020 2:53

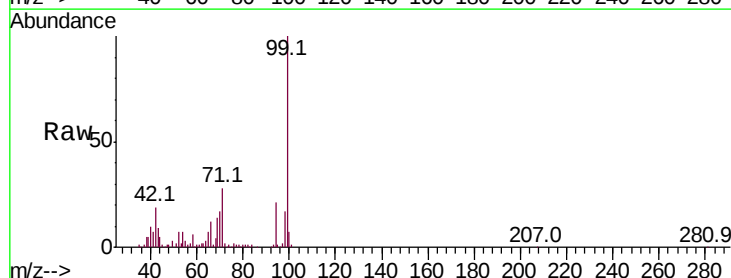
Tgt Ion: 94 Resp: 27378

Ion Ratio Lower Upper

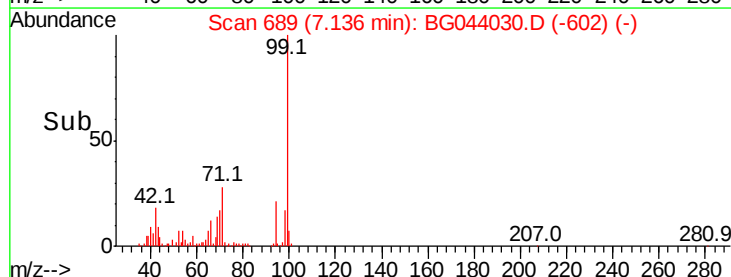
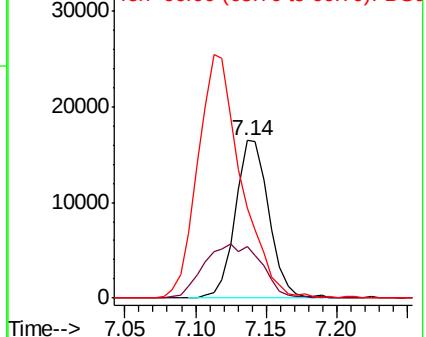
94 100

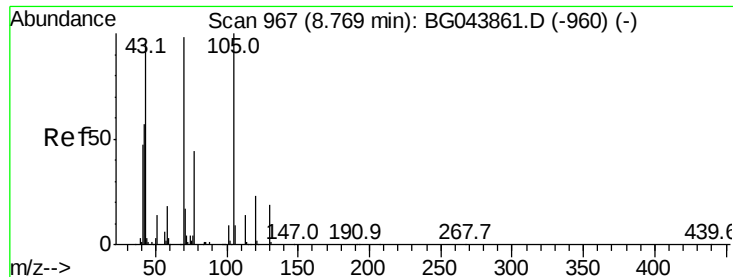
65 33.1 8.1 48.1

66 57.3 15.6 55.6#



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

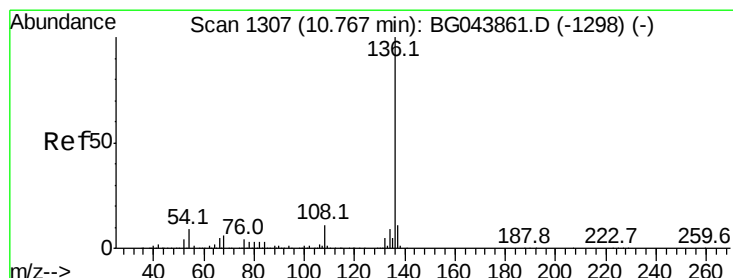
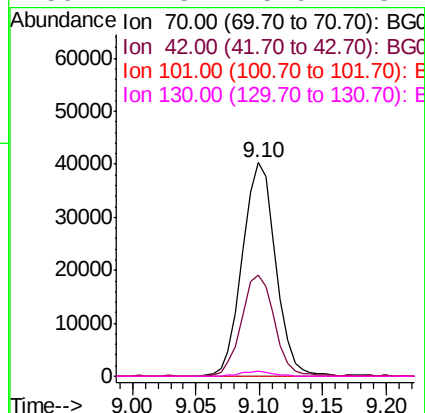
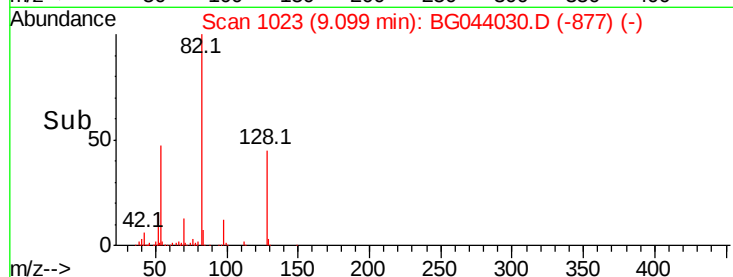
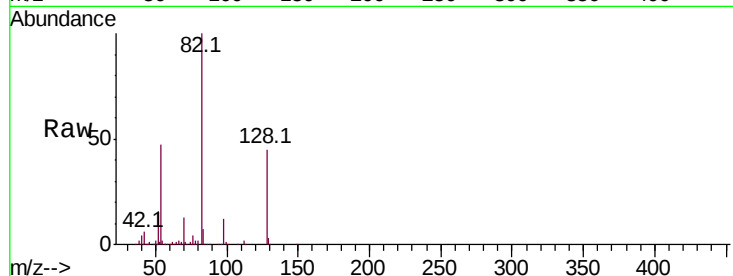




#19
n-Nitroso-di-n-propylamine
Concen: 11.647 ng
RT: 9.10 min Scan# 1023
Delta R.T. 0.33 min
Lab File: BG044030.D
Acq: 14 Jan 2020 2:53

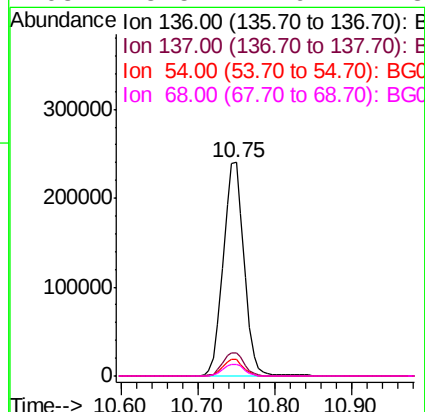
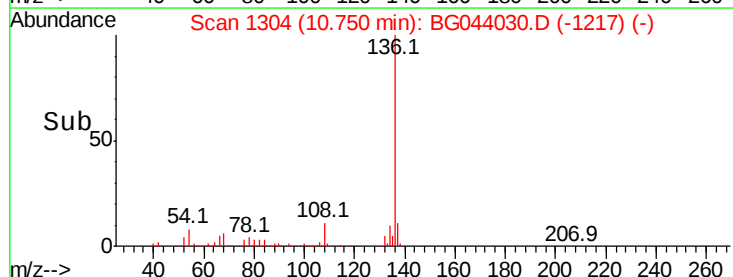
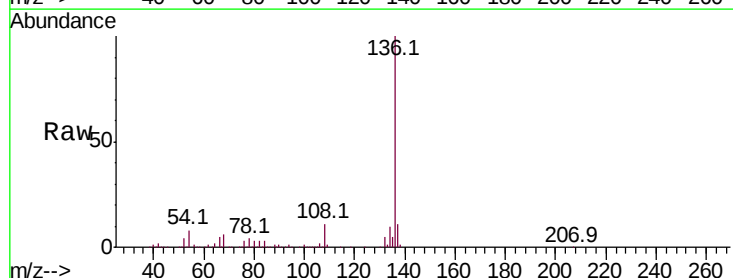
Instrument :
BNA_G
ClientSampleId :

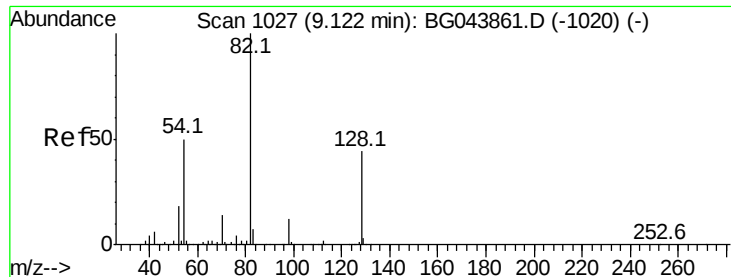
Tot Ion: 70 Resp: 73711
Ion Ratio Lower Upper
70 100
42 47.7 47.0 70.4
101 0.0 7.2 10.8#
130 2.5 15.6 23.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.75 min Scan# 1304
Delta R.T. -0.02 min
Lab File: BG044030.D
Acq: 14 Jan 2020 2:53

Tgt Ion: 136 Resp: 450038
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 7.7 7.0 10.4
68 5.5 4.9 7.3

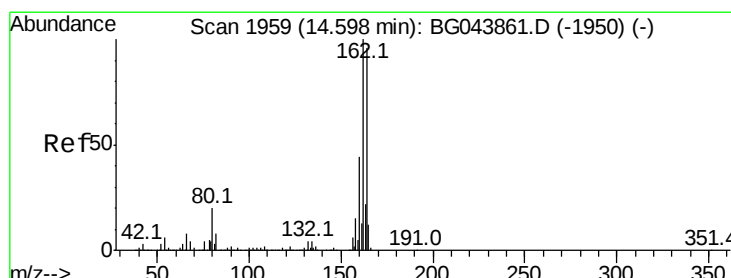
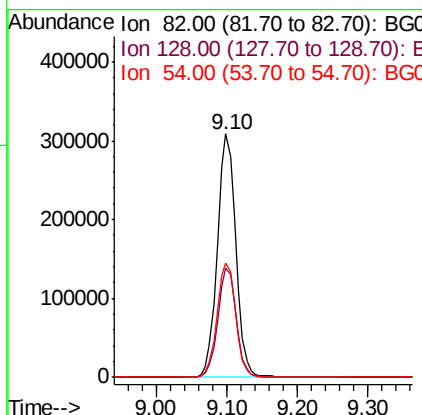
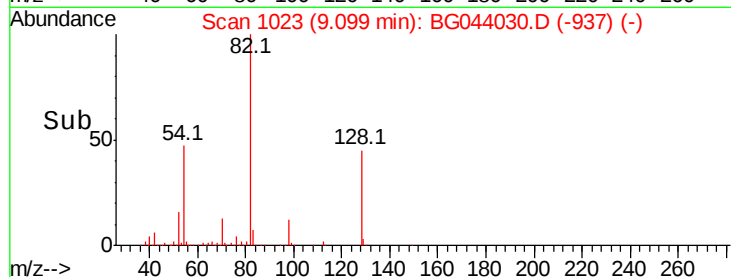
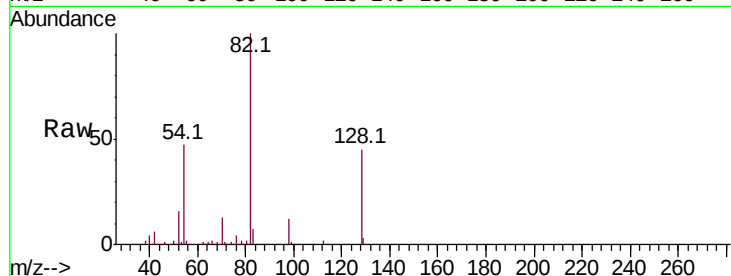




#23
Nitrobenzene-d5
Concen: 66.856 ng
RT: 9.10 min Scan# 1023
Delta R.T. -0.02 min
Lab File: BG044030.D
Acq: 14 Jan 2020 2:53

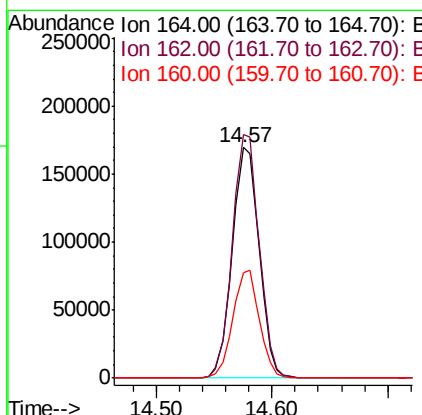
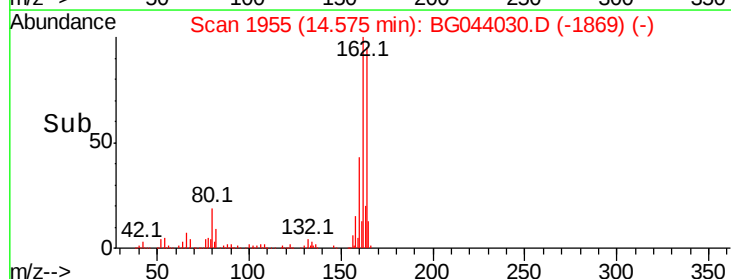
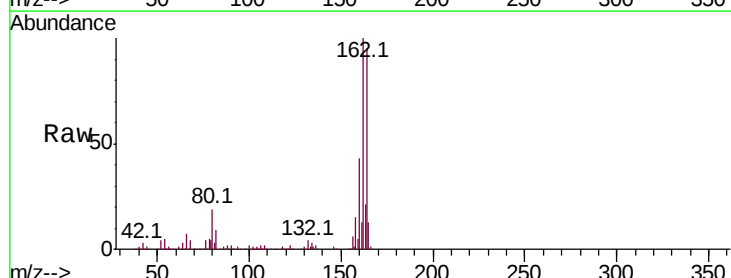
Instrument :
BNA_G
ClientSampleId :

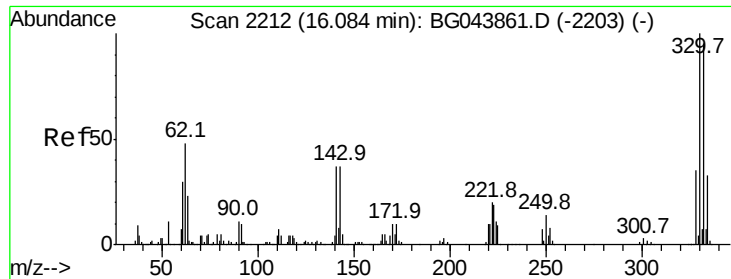
Tot Ion	Ratio	Lower	Upper
82	100		
128	44.9	35.1	52.7
54	47.2	40.1	60.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.57 min Scan# 1955
Delta R.T. -0.02 min
Lab File: BG044030.D
Acq: 14 Jan 2020 2:53

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.5	83.0	124.4
160	45.8	36.1	54.1

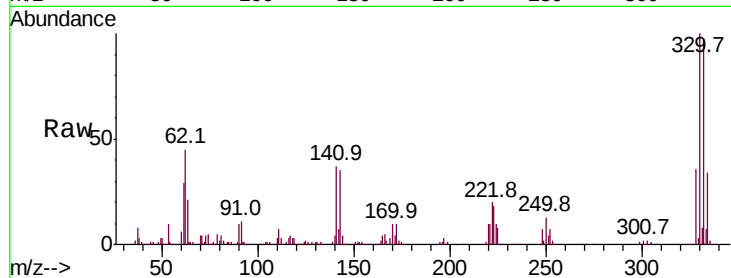




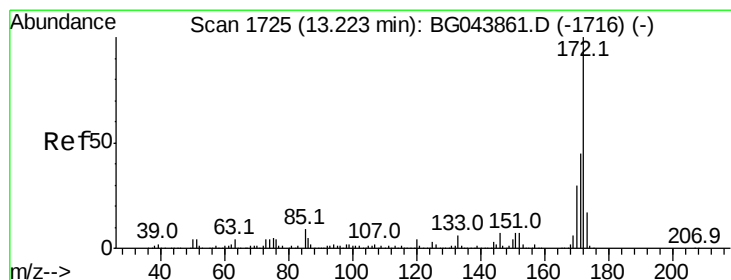
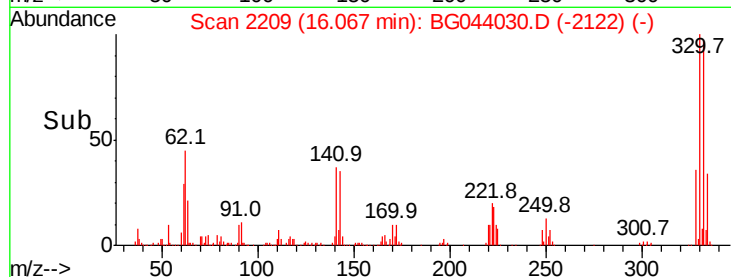
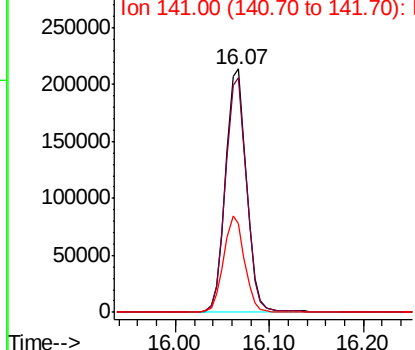
#42
 2,4,6-Tribromophenol
 Concen: 116.258 ng
 RT: 16.07 min Scan# 2209
 Delta R.T. -0.02 min
 Lab File: BG044030.D
 Acq: 14 Jan 2020 2:53

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.2	115.8
141	39.8	33.1	49.7

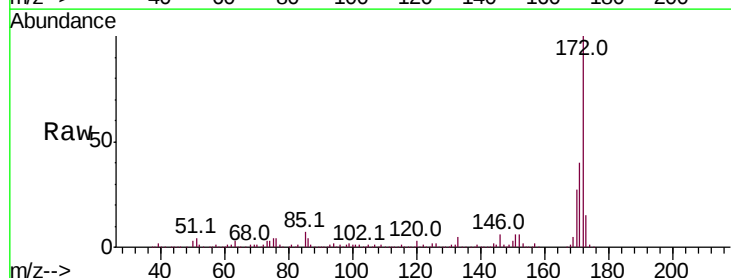


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

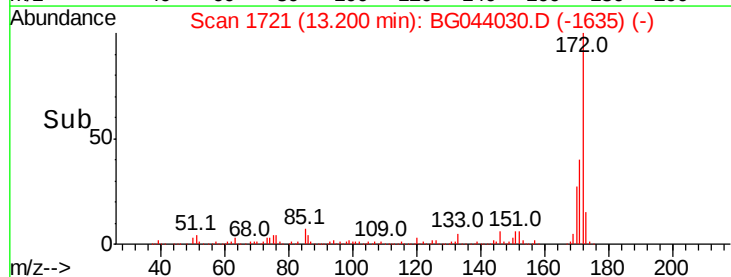
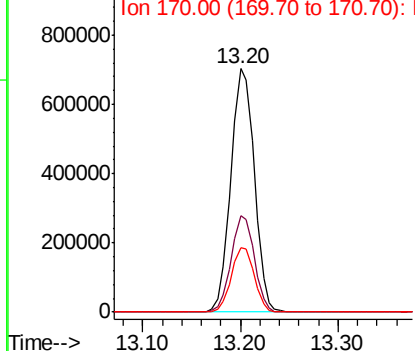


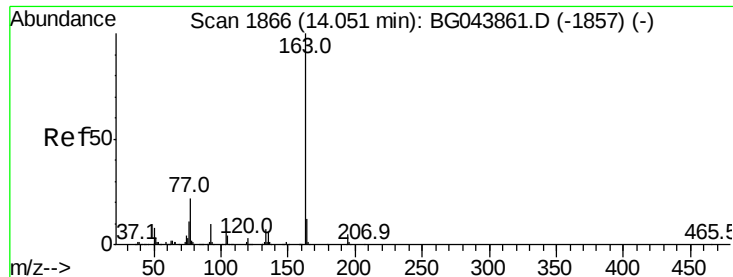
#45
 2-Fluorobiphenyl
 Concen: 78.126 ng
 RT: 13.20 min Scan# 1721
 Delta R.T. -0.02 min
 Lab File: BG044030.D
 Acq: 14 Jan 2020 2:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.7	35.8	53.8
170	26.6	24.2	36.4



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





#50

Dimethylphthalate

Concen: 6.911 ng

RT: 14.03 min Scan# 1862

Delta R.T. -0.02 min

Lab File: BG044030.D

Acq: 14 Jan 2020 2:53

Instrument :

BNA_G

ClientSampled :

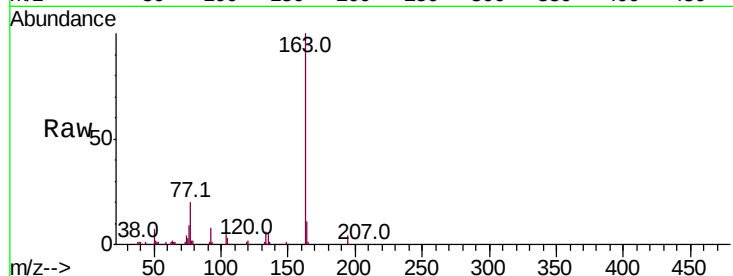
Tot Ion:163 Resp: 134353

Ion Ratio Lower Upper

163 100

194 3.9 3.7 5.5

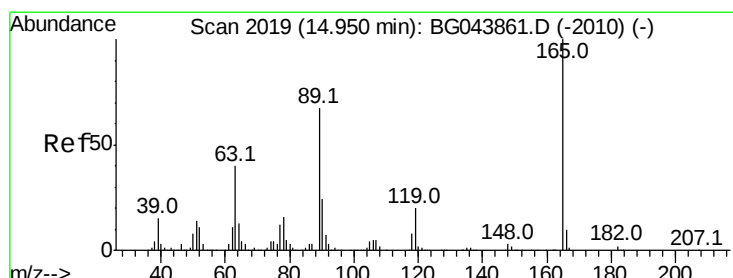
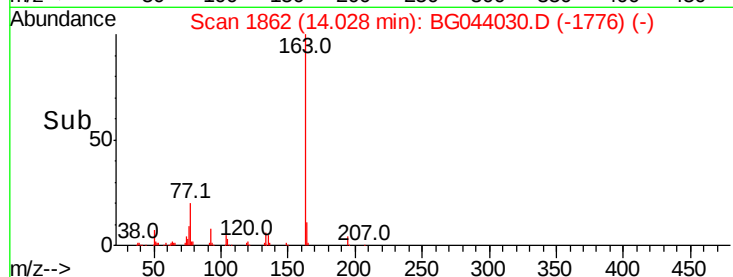
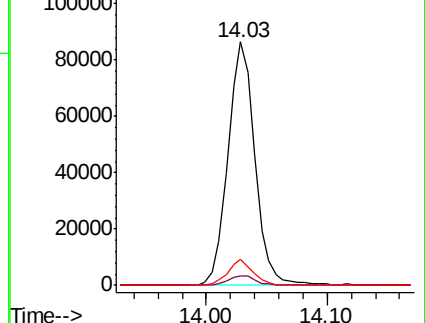
164 10.5 9.3 13.9



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 6.233 ng

RT: 14.57 min Scan# 1955

Delta R.T. -0.38 min

Lab File: BG044030.D

Acq: 14 Jan 2020 2:53

Tgt Ion:165 Resp: 37269

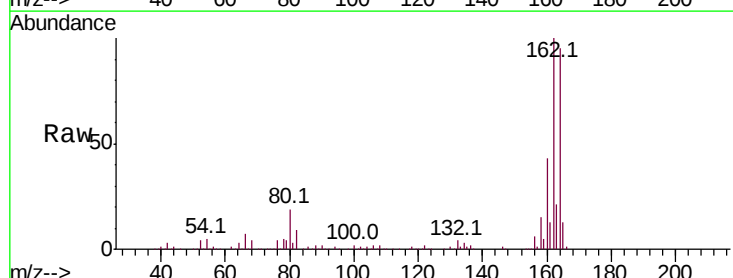
Ion Ratio Lower Upper

165 100

63 1.7 31.9 47.9#

89 1.1 53.8 80.6#

182 0.0 2.0 3.0#

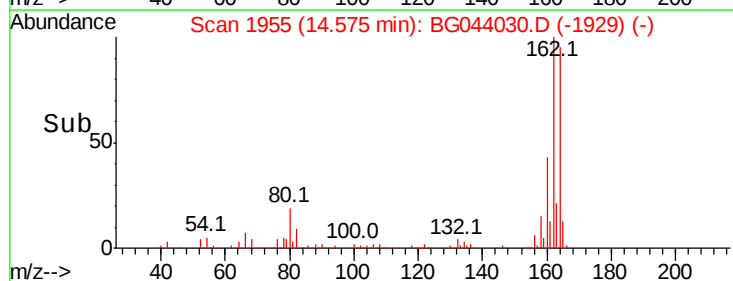
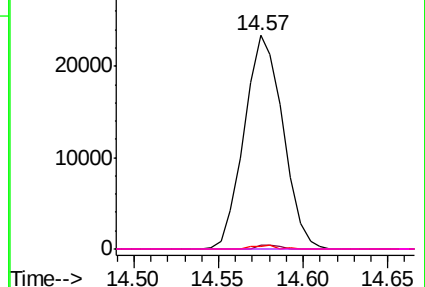


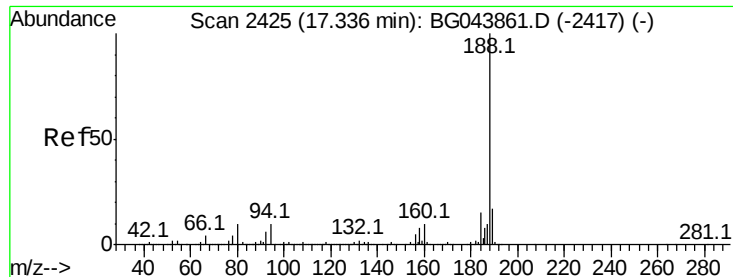
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.32 min Scan# 2422

Delta R.T. -0.02 min

Lab File: BG044030.D

Acq: 14 Jan 2020 2:53

Instrument :

BNA_G

ClientSampleId :

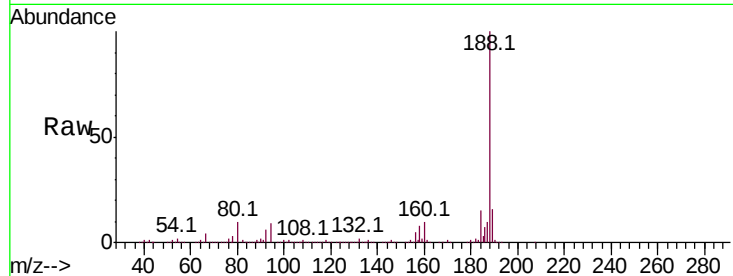
Tot Ion:188 Resp: 592880

Ion Ratio Lower Upper

188 100

94 9.1 7.9 11.9

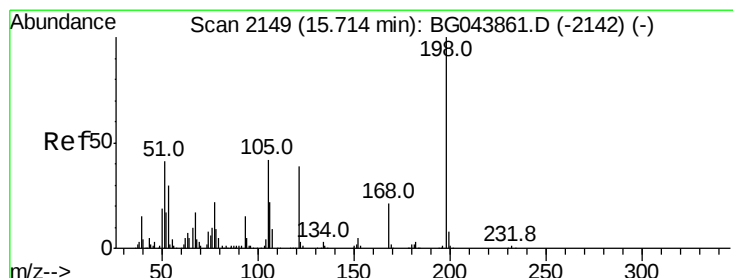
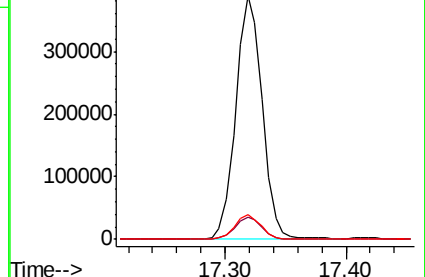
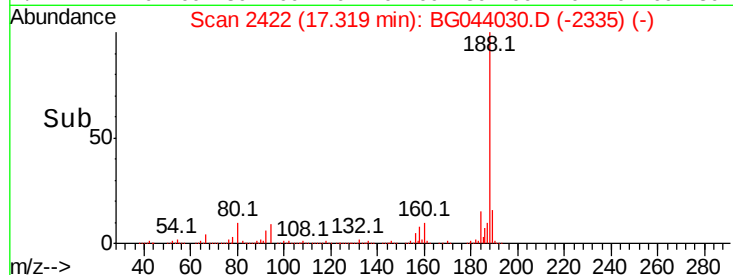
80 10.4 8.2 12.4



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



#65

4,6-Dinitro-2-methylphenol

Concen: 4.716 ng

RT: 16.07 min Scan# 2209

Delta R.T. 0.35 min

Lab File: BG044030.D

Acq: 14 Jan 2020 2:53

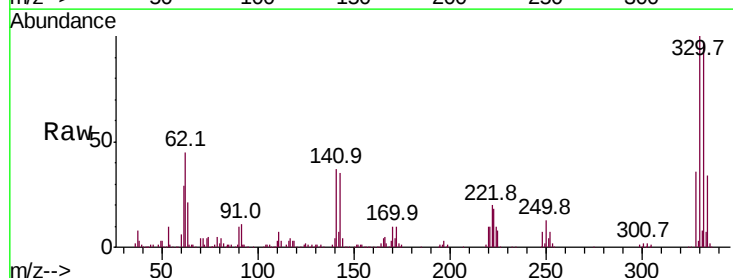
Tgt Ion:198 Resp: 1097

Ion Ratio Lower Upper

198 100

51 115.3 22.5 62.5#

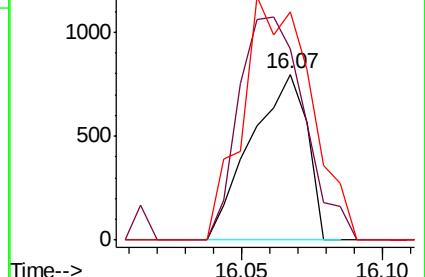
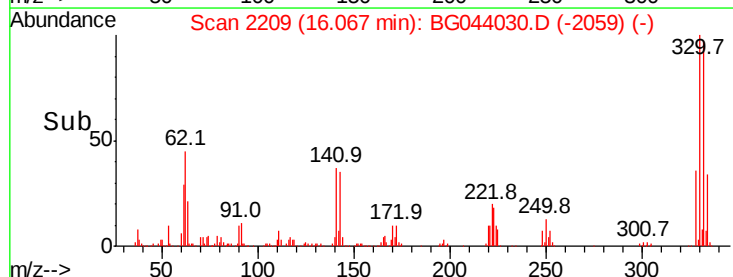
105 137.8 22.3 62.3#

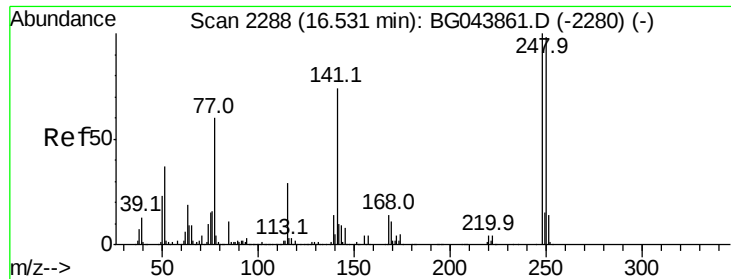


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

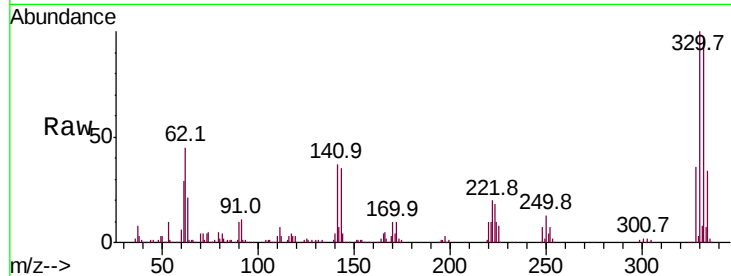




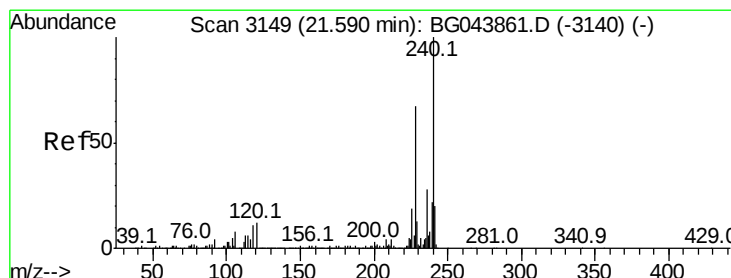
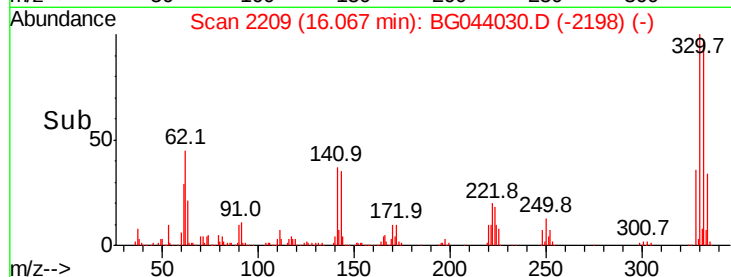
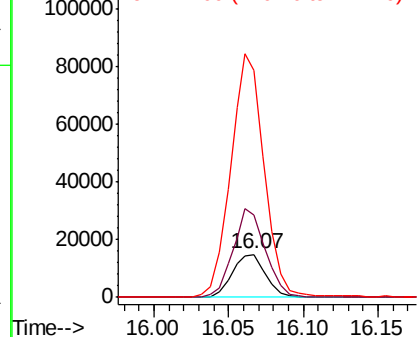
#67
 4-Bromophenyl-phenylether
 Concen: 3.540 ng
 RT: 16.07 min Scan# 2209
 Delta R.T. -0.46 min
 Lab File: BG044030.D
 Acq: 14 Jan 2020 2:53

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 23605
 Ion Ratio Lower Upper
 248 100
 250 188.8 78.2 117.2#
 141 523.3 59.3 88.9#

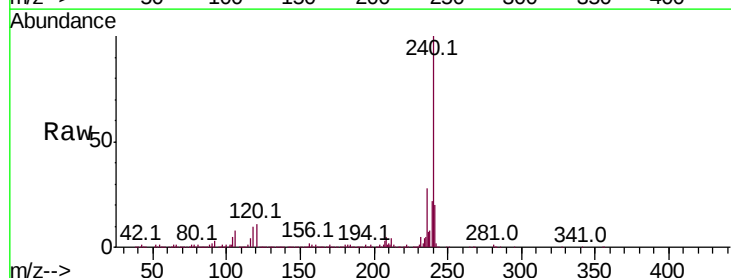


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

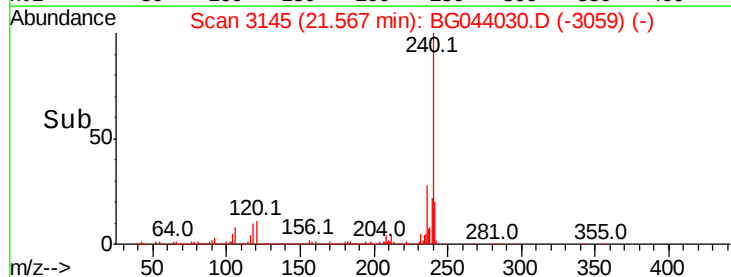
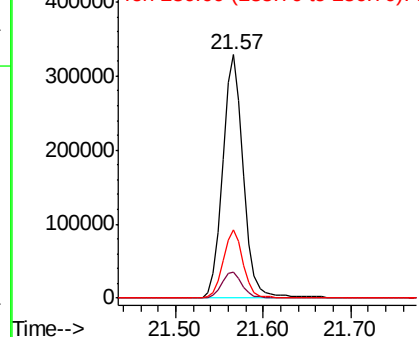


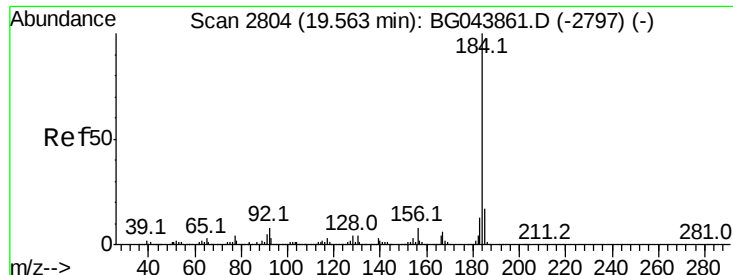
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.57 min Scan# 3145
 Delta R.T. -0.02 min
 Lab File: BG044030.D
 Acq: 14 Jan 2020 2:53

Tgt Ion:240 Resp: 539314
 Ion Ratio Lower Upper
 240 100
 120 10.5 9.6 14.4
 236 28.0 22.2 33.2



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: 2.169 ng

RT: 19.93 min Scan# 2867

Delta R.T. 0.37 min

Lab File: BG044030.D

Acq: 14 Jan 2020 2:53

Instrument :

BNA_G

ClientSampleId :

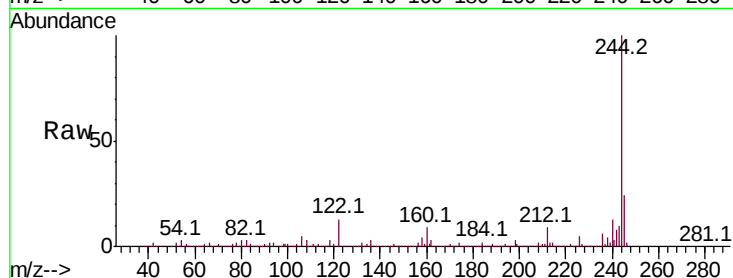
Tot Ion:184 Resp: 29400

Ion Ratio Lower Upper

184 100

185 16.3 13.4 20.0

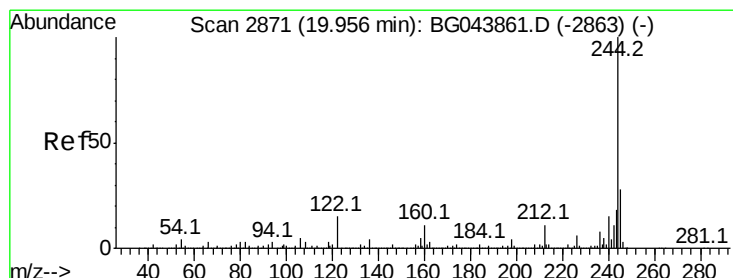
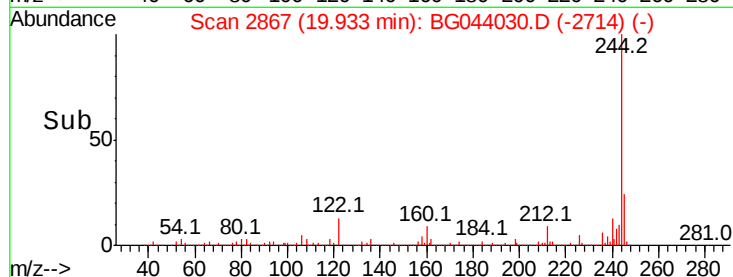
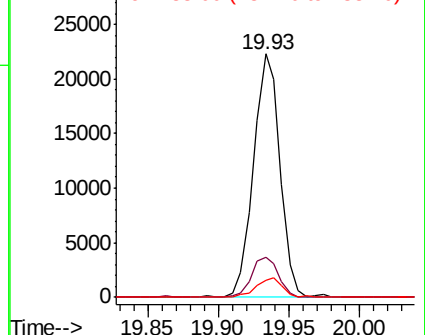
183 7.0 10.6 15.8#



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: 74.084 ng

RT: 19.93 min Scan# 2867

Delta R.T. -0.02 min

Lab File: BG044030.D

Acq: 14 Jan 2020 2:53

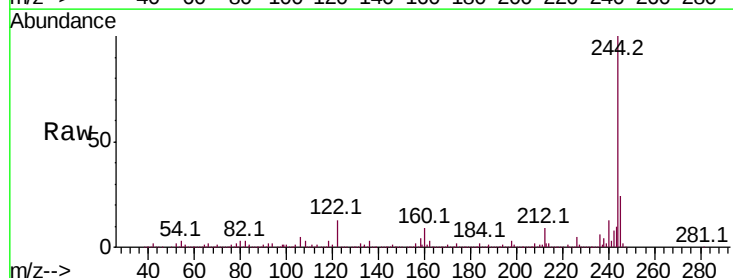
Tgt Ion:244 Resp: 1716554

Ion Ratio Lower Upper

244 100

212 8.9 8.6 13.0

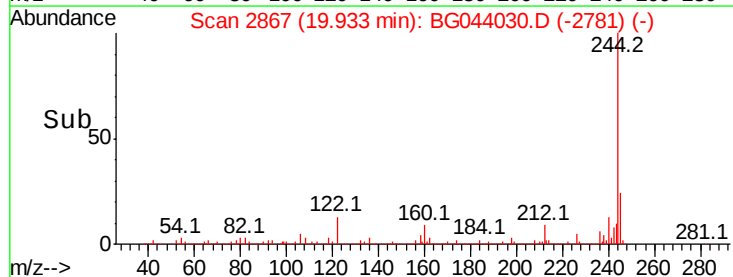
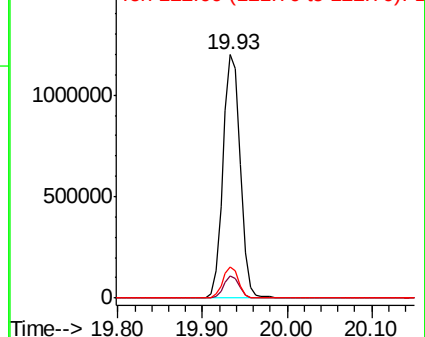
122 12.8 11.9 17.9

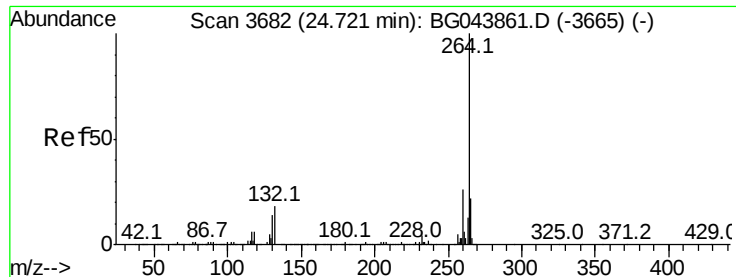


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

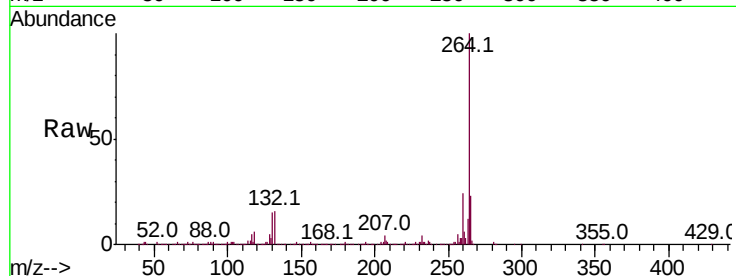




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.68 min Scan# 3675
Delta R.T. -0.04 min
Lab File: BG044030.D
Acq: 14 Jan 2020 2:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	20.4	30.6
265	23.3	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

