

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031720\
 Data File : BG044850.D
 Acq On : 18 Mar 2020 2:26
 Operator : CG/JU
 Sample : L1917-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 18 11:47:29 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	101652	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	401869	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	265090	20.00	ng	-0.01
64) Phenanthrene-d10	17.42	188	574626	20.00	ng	0.00
76) Chrysene-d12	21.69	240	496822	20.00	ng	-0.01
87) Perylene-d12	24.90	264	570305	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	329424	50.45	ng	0.00
7) Phenol-d6	7.20	99	283095	29.84	ng	0.00
23) Nitrobenzene-d5	9.20	82	722055	78.84	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	461112	132.85	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	1491775	80.59	ng	0.00
79) Terphenyl-d14	20.03	244	2129663	80.18	ng	0.00

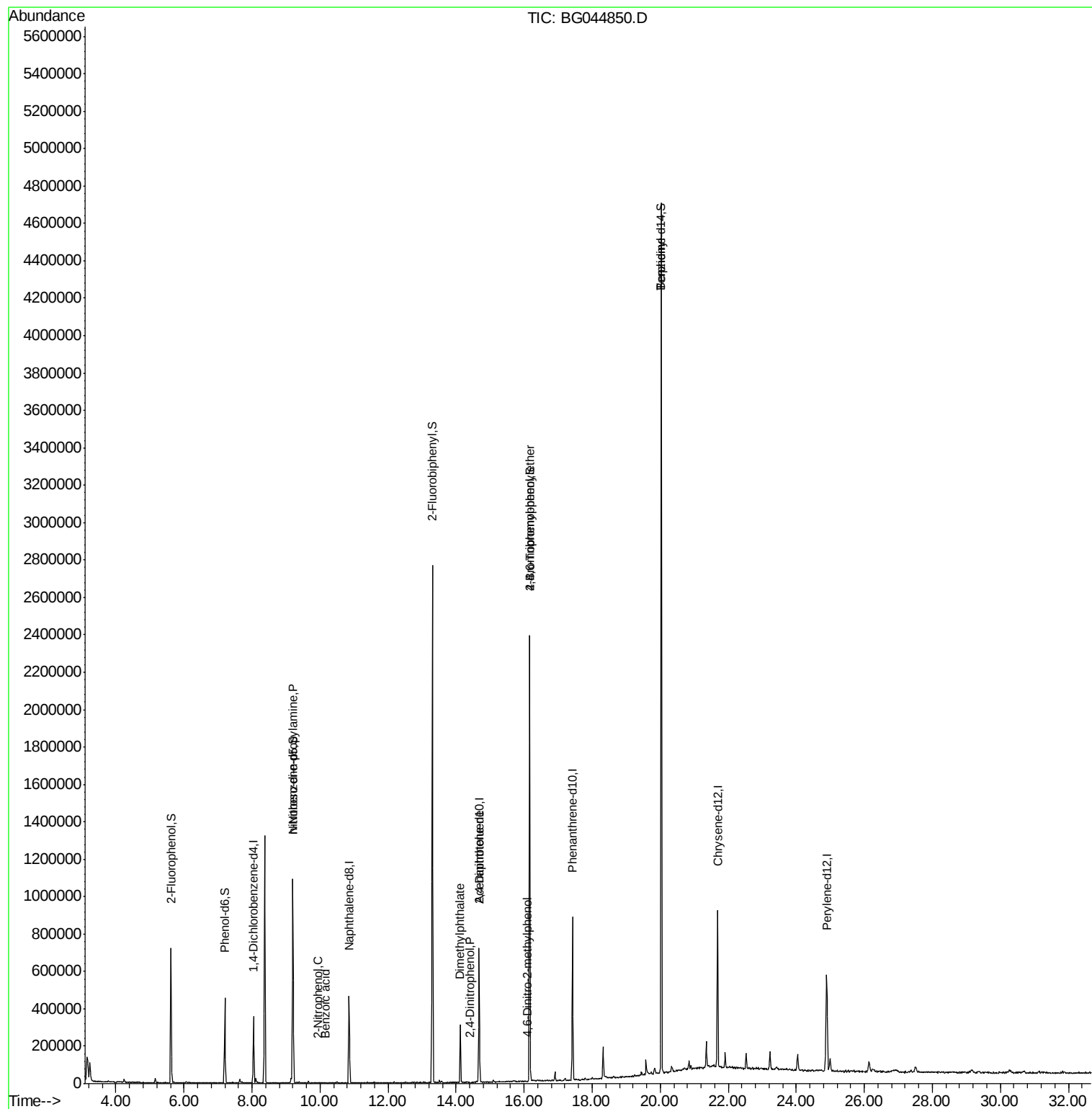
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.19	77	830	Below Cal		# 47
19) n-Nitroso-di-n-propylamine	9.20	70	97258	14.518	ng	# 71
26) 2-Nitrophenol	9.95	139	129	5.550	ng	# 28
32) Benzoic acid	10.16	122	58	9.680	ng	# 1
50) Dimethylphthalate	14.12	163	203609	9.644	ng	99
54) 2,4-Dinitrophenol	14.42	184	78	8.354	ng	# 21
57) 2,4-Dinitrotoluene	14.67	165	35729	6.121	ng	# 22
65) 4,6-Dinitro-2-methylphenol	16.08	198	66	7.749	ng	# 1
67) 4-Bromophenyl-phenylether	16.16	248	32099	4.468	ng	# 1
77) Benzidine	20.03	184	41854	2.595	ng	# 92

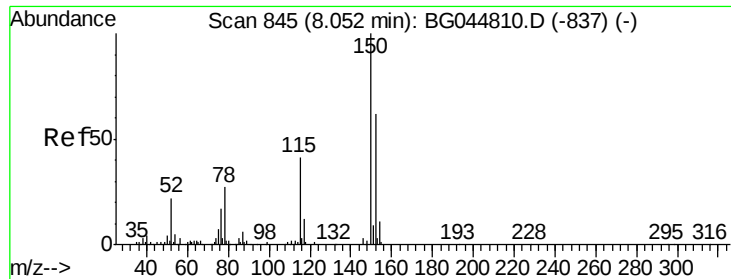
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031720\
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Misc :
ALS Vial : 16 Sample Multiplier: 1

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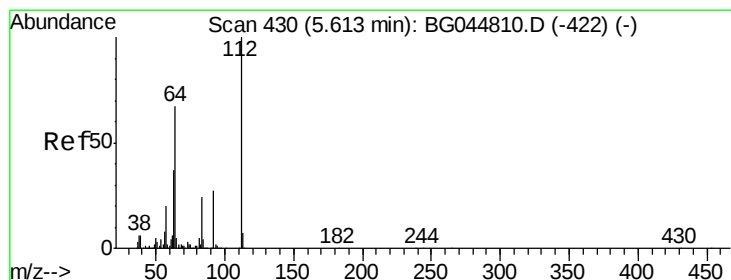
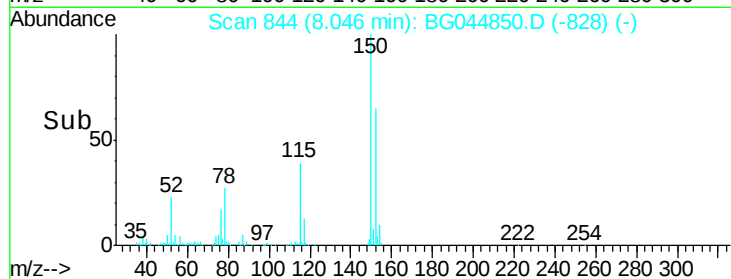
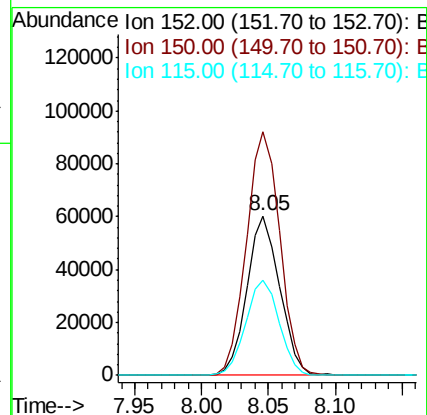
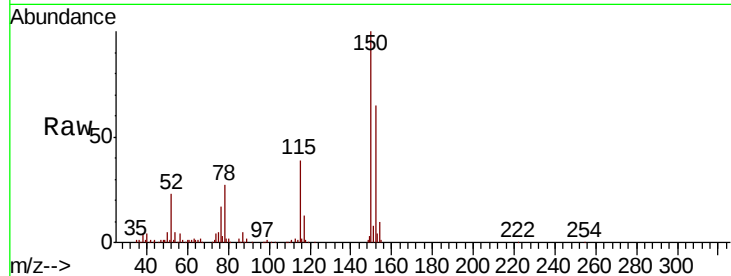


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BG044850.D
Acq: 18 Mar 2020 2:26

Instrument :
BNA_N
ClientSampleId :

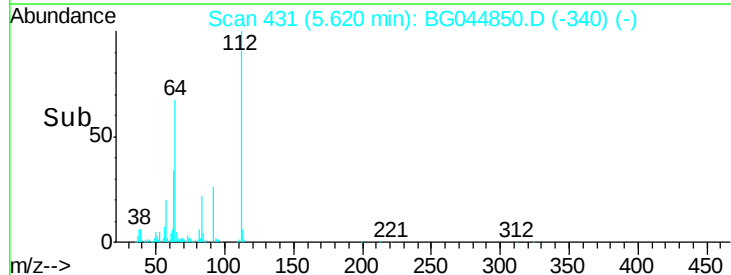
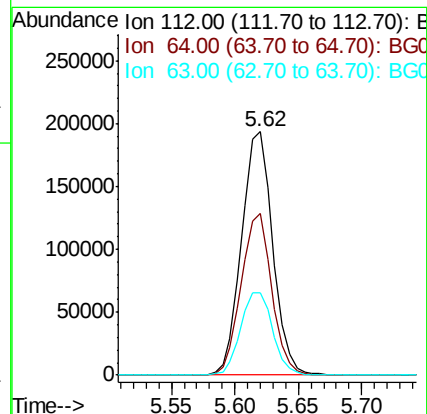
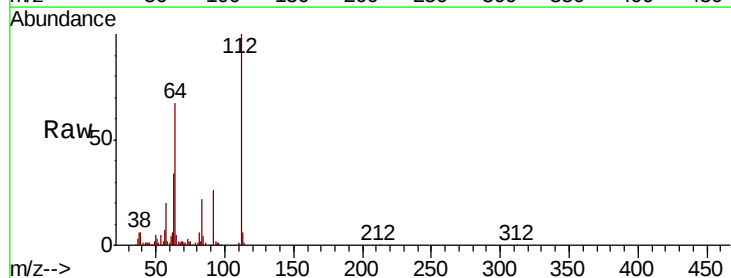
Tot Ion	Ratio	Lower	Upper
152	100		
150	152.9	128.8	193.2
115	59.9	52.6	79.0

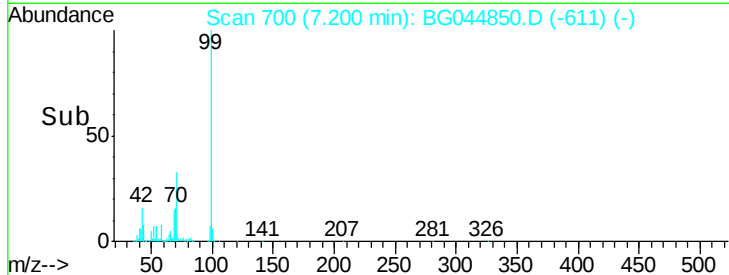
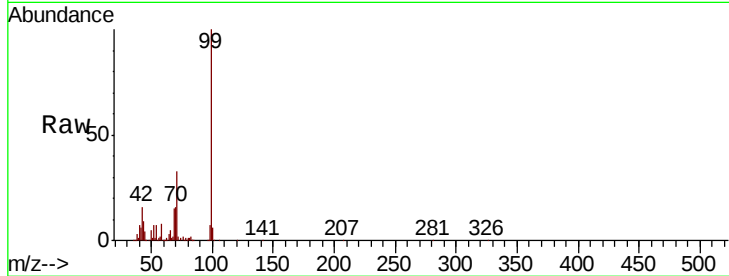
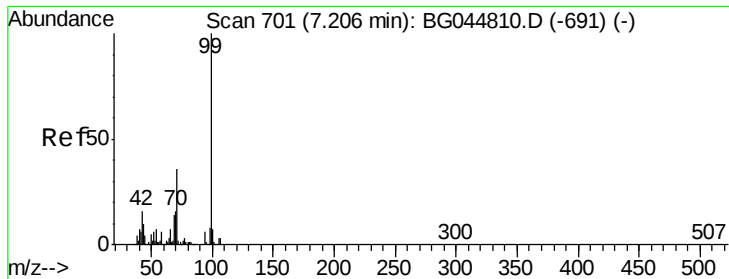


#5

2-Fluorophenol
Concen: 50.448 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.01 min
Lab File: BG044850.D
Acq: 18 Mar 2020 2:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.6	53.4	80.2
63	33.6	29.4	44.2





#7

Phenol-d6

Concen: 29.838 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.01 min

Lab File: BG044850.D

Acq: 18 Mar 2020 2:26

Instrument :

BNA_N

ClientSampleId :

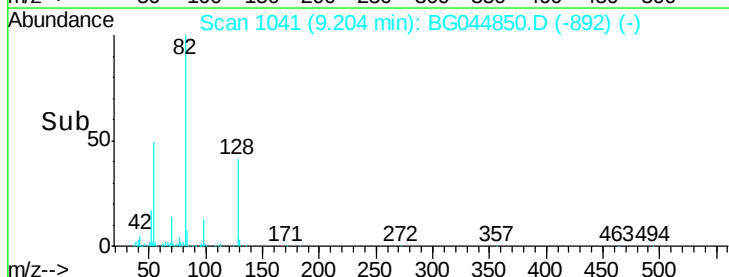
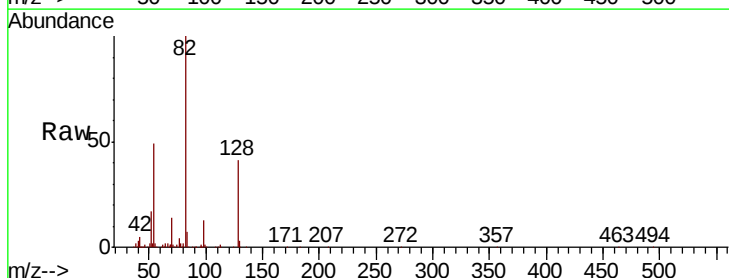
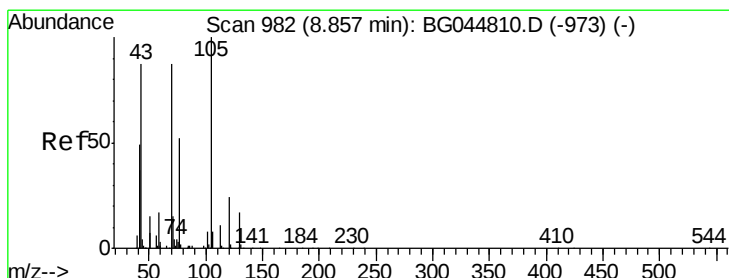
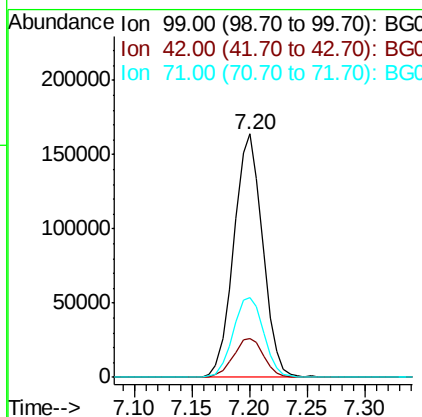
Tot Ion: 99 Resp: 283095

Ion Ratio Lower Upper

99 100

42 15.8 12.6 19.0

71 32.6 29.0 43.4



#19

n-Nitroso-di-n-propylamine

Concen: 14.518 ng

RT: 9.20 min Scan# 1041

Delta R.T. 0.35 min

Lab File: BG044850.D

Acq: 18 Mar 2020 2:26

Tgt Ion: 70 Resp: 97258

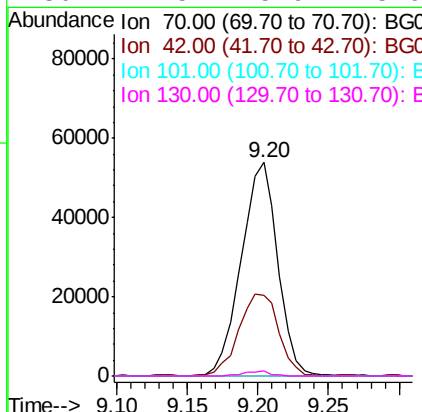
Ion Ratio Lower Upper

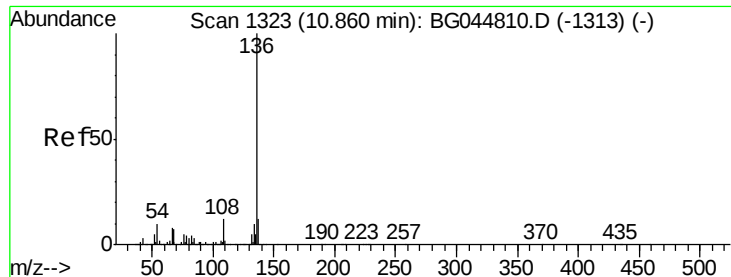
70 100

42 37.7 45.7 68.5#

101 0.0 7.4 11.2#

130 2.5 15.9 23.9#

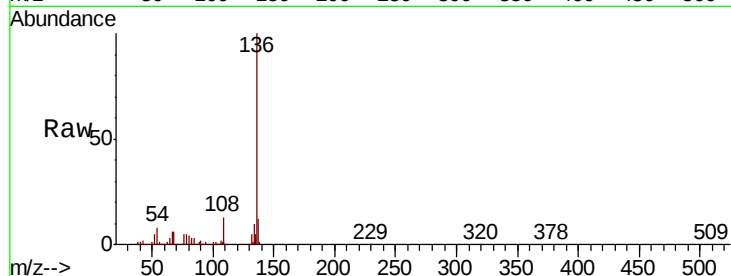




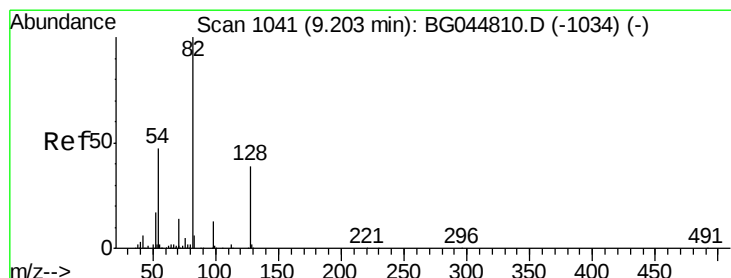
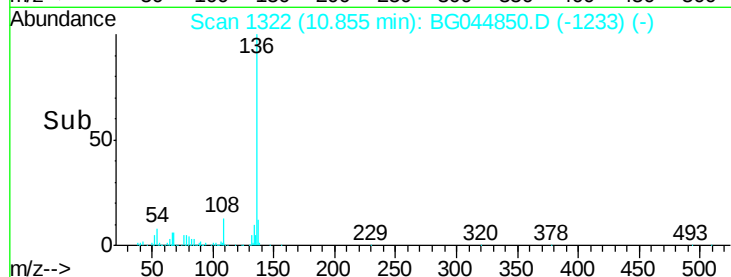
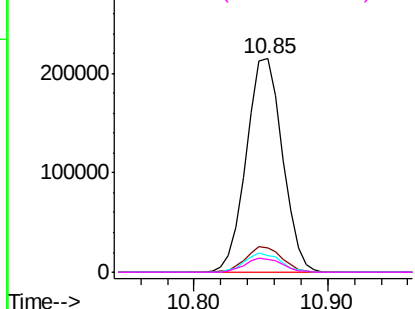
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BG044850.D
Acq: 18 Mar 2020 2:26

Instrument :
BNA_N
ClientSampleId :

Tot Ion:136	Resp:	401869
Ion Ratio	Lower	Upper
136	100	
137	11.6	9.8 14.6
54	7.7	7.9 11.9#
68	6.0	5.4 8.0

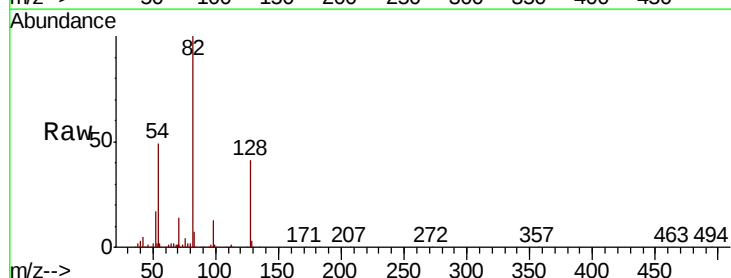


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

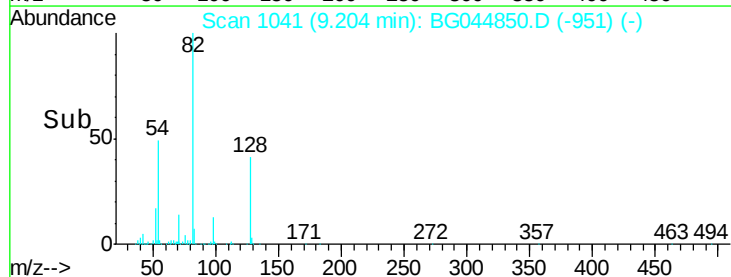
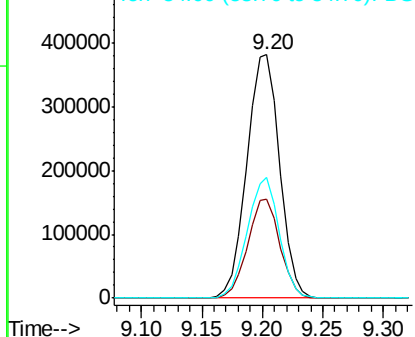


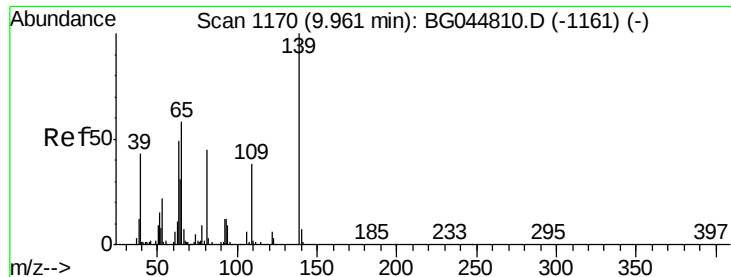
#23
Nitrobenzene-d5
Concen: 78.844 ng
RT: 9.20 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BG044850.D
Acq: 18 Mar 2020 2:26

Tgt Ion: 82	Resp:	722055
Ion Ratio	Lower	Upper
82	100	
128	40.7	30.6 46.0
54	49.4	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: 5.550 ng

RT: 9.95 min Scan# 1168

Delta R.T. -0.01 min

Lab File: BG044850.D

Acq: 18 Mar 2020 2:26

Instrument :

BNA_N

ClientSampled :

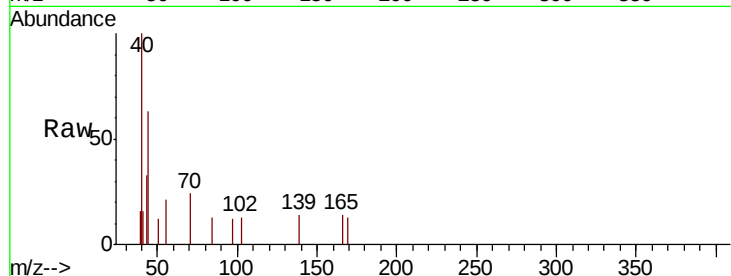
Tot Ion:139 Resp: 129

Ion Ratio Lower Upper

139 100

109 0.0 30.2 45.4#

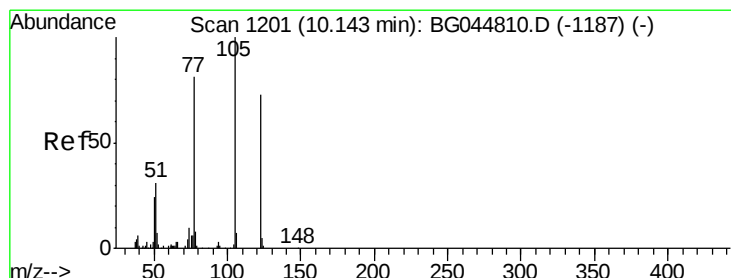
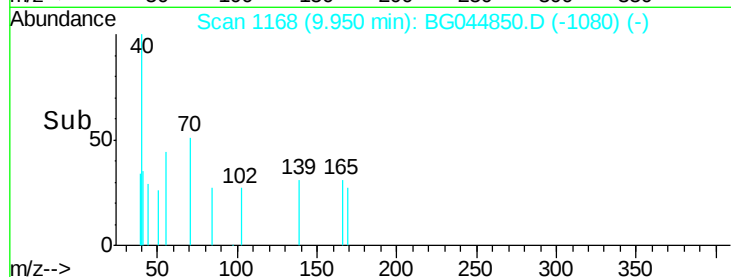
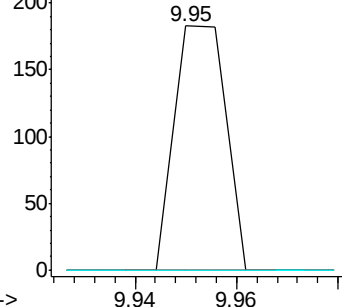
65 0.0 46.3 69.5#



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: 9.680 ng

RT: 10.16 min Scan# 1203

Delta R.T. 0.01 min

Lab File: BG044850.D

Acq: 18 Mar 2020 2:26

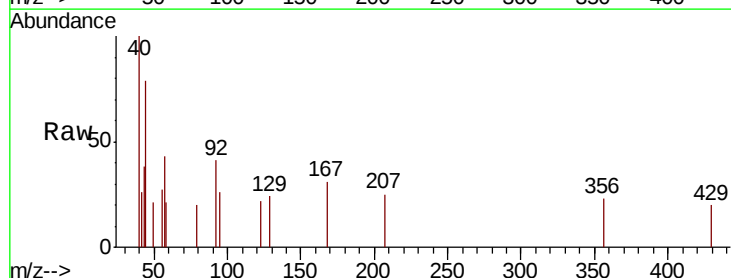
Tgt Ion:122 Resp: 58

Ion Ratio Lower Upper

122 100

105 0.0 109.1 149.1#

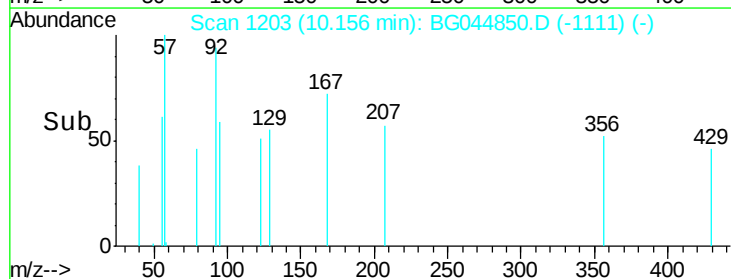
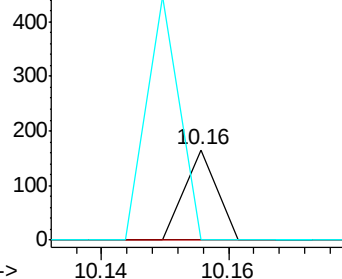
77 0.0 85.3 125.3#

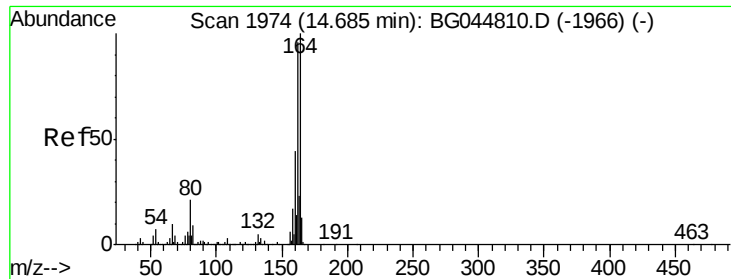


Abundance Ion 122.00 (121.70 to 122.70): E

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: 14.67 min Scan# 1972

Delta R.T. -0.01 min

Lab File: BG044850.D

Acq: 18 Mar 2020 2:26

Instrument :

BNA_N

ClientSampleId :

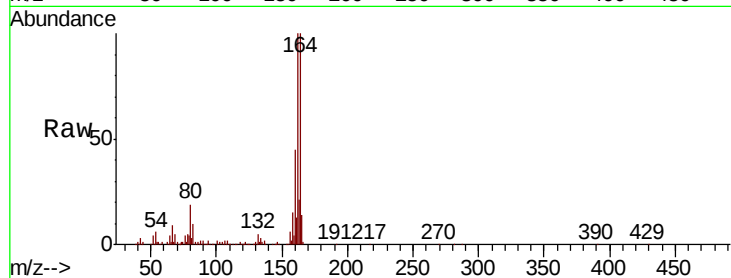
Tot Ion:164 Resp: 265090

Ion Ratio Lower Upper

164 100

162 100.4 76.7 115.1

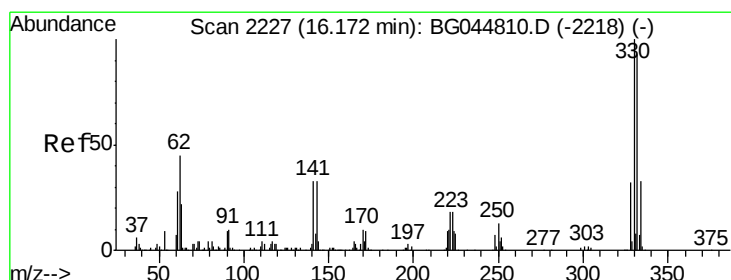
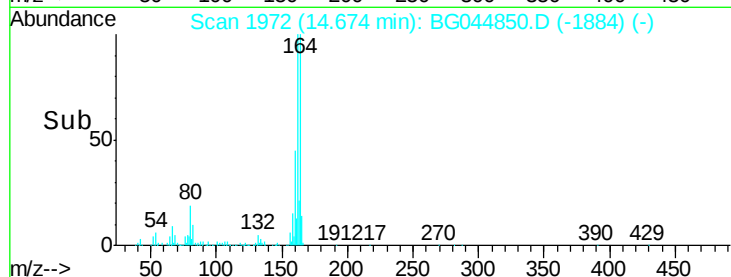
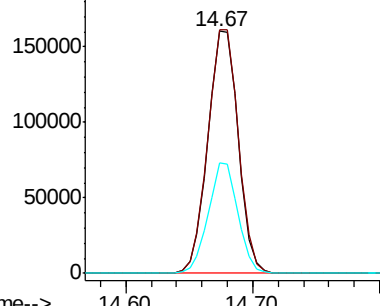
160 45.4 35.0 52.4



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: 132.849 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BG044850.D

Acq: 18 Mar 2020 2:26

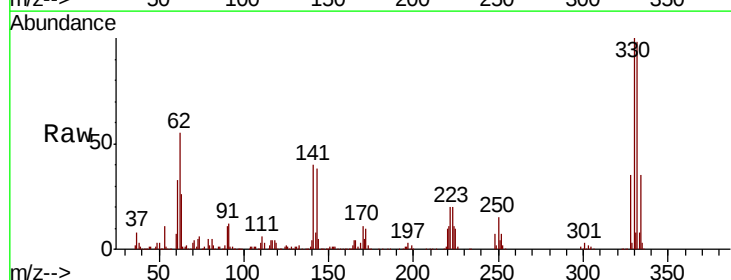
Tgt Ion:330 Resp: 461112

Ion Ratio Lower Upper

330 100

332 95.8 77.8 116.6

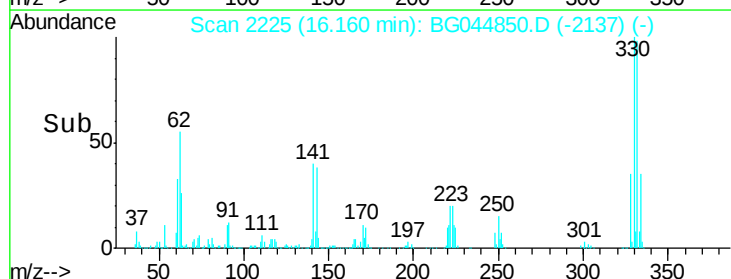
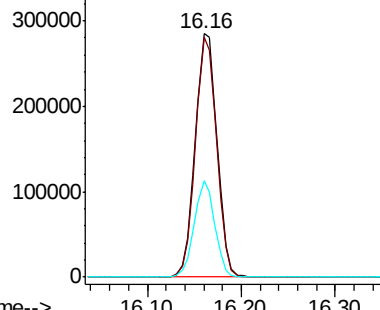
141 37.1 29.5 44.3

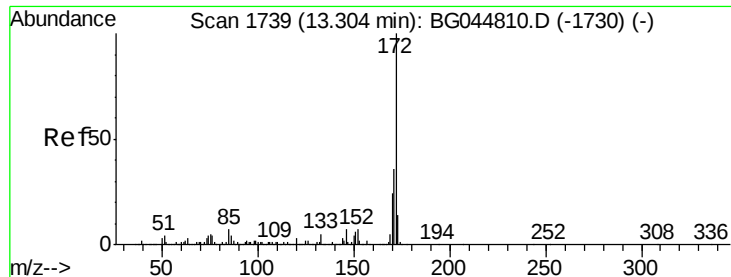


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

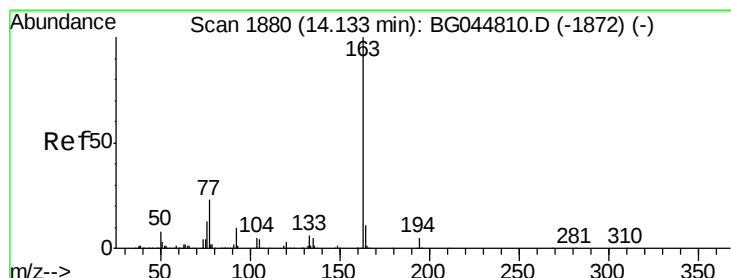
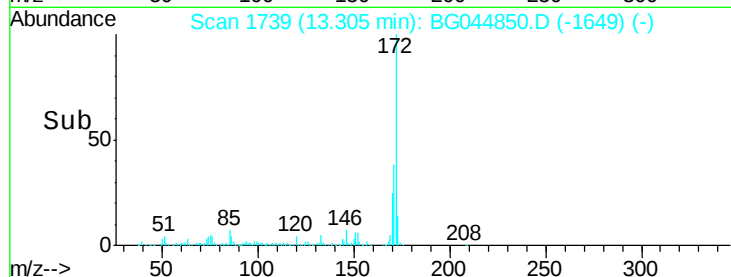
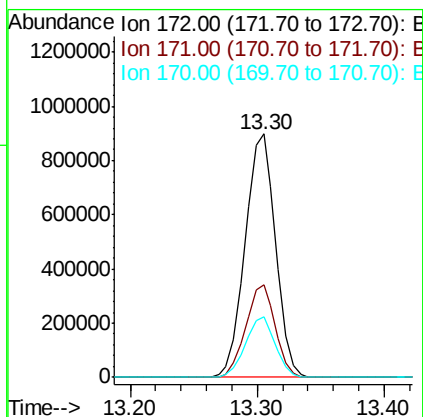
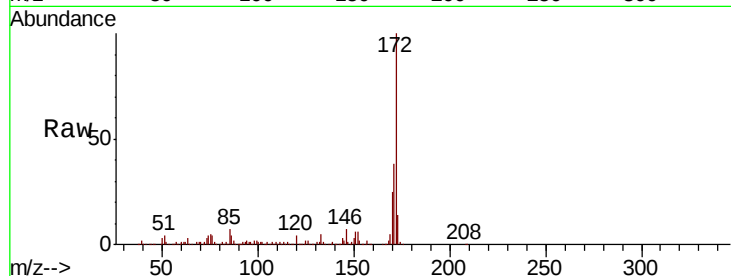




#45
2-Fluorobiphenyl
Concen: 80.587 ng
RT: 13.30 min Scan# 1739
Delta R.T. 0.00 min
Lab File: BG044850.D
Acq: 18 Mar 2020 2:26

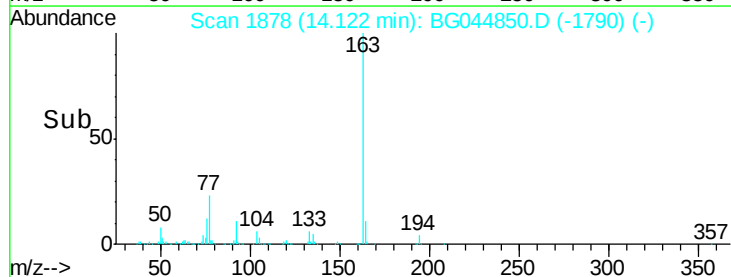
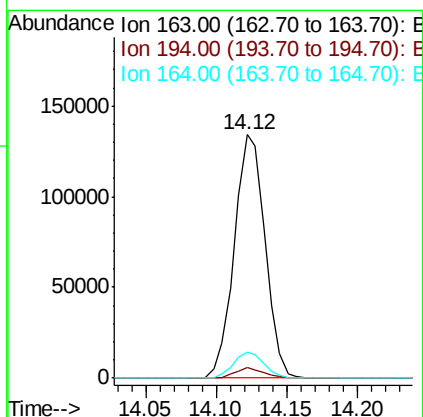
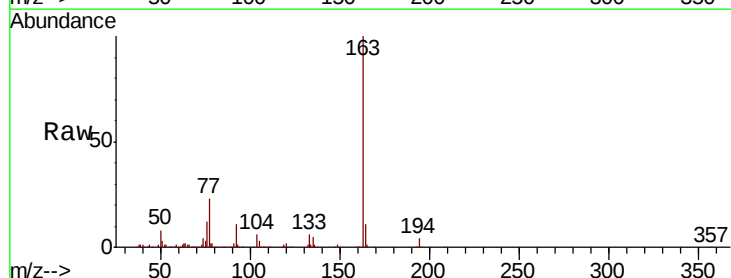
Instrument :
BNA_N
ClientSampleId :

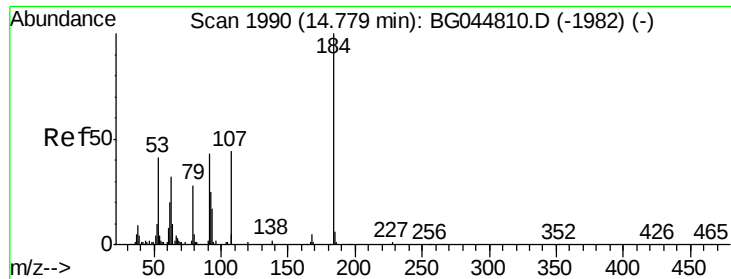
Tot Ion:172 Resp: 1491775
Ion Ratio Lower Upper
172 100
171 38.1 28.7 43.1
170 24.7 19.0 28.6



#50
Dimethylphthalate
Concen: 9.644 ng
RT: 14.12 min Scan# 1878
Delta R.T. -0.01 min
Lab File: BG044850.D
Acq: 18 Mar 2020 2:26

Tgt Ion:163 Resp: 203609
Ion Ratio Lower Upper
163 100
194 4.2 3.7 5.5
164 10.8 9.1 13.7

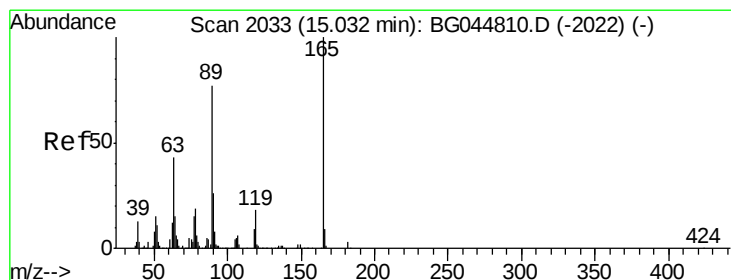
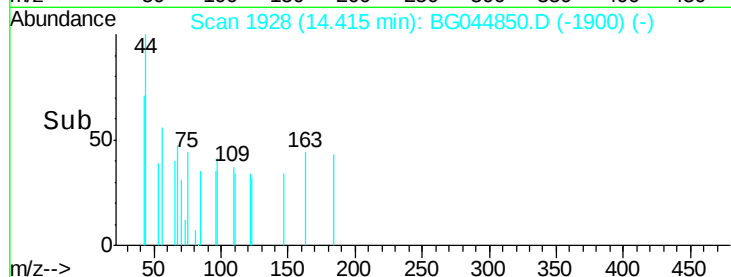
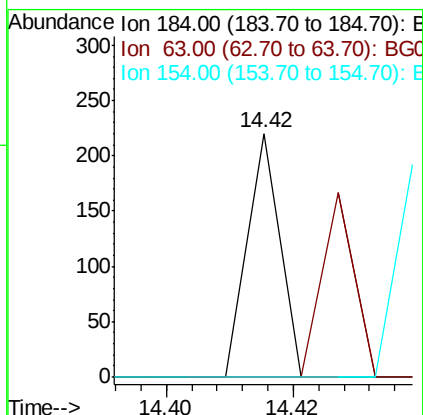
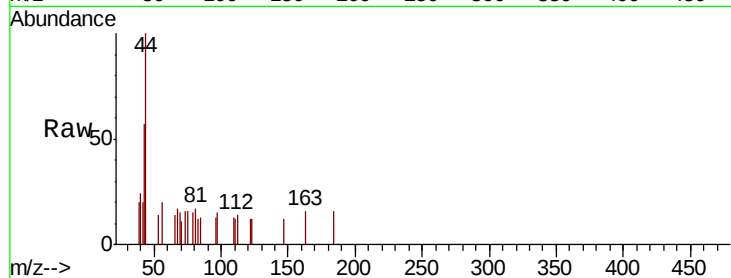




#54
2,4-Dinitrophenol
Concen: 8.354 ng
RT: 14.42 min Scan# 1928
Delta R.T. -0.36 min
Lab File: BG044850.D
Acq: 18 Mar 2020 2:26

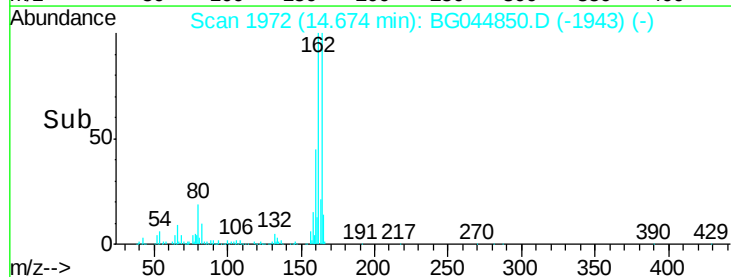
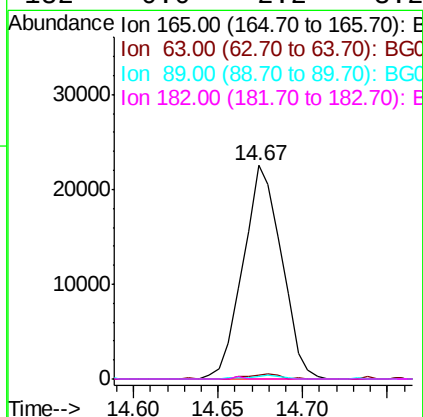
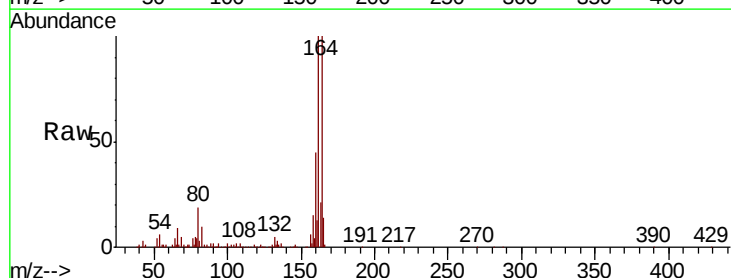
Instrument :
BNA_N
ClientSampleId :

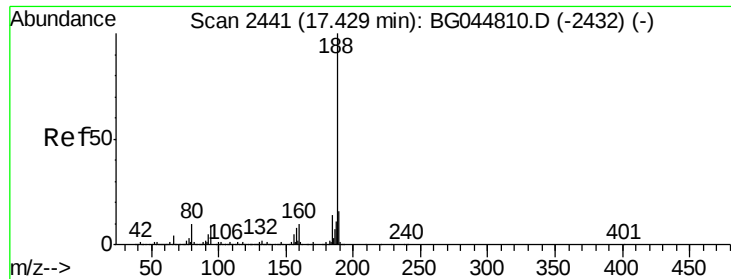
Tot Ion:184 Resp: 78
Ion Ratio Lower Upper
184 100
63 0.0 45.5 68.3#
154 0.0 49.1 73.7#



#57
2,4-Dinitrotoluene
Concen: 6.121 ng
RT: 14.67 min Scan# 1972
Delta R.T. -0.36 min
Lab File: BG044850.D
Acq: 18 Mar 2020 2:26

Tgt Ion:165 Resp: 35729
Ion Ratio Lower Upper
165 100
63 1.6 34.6 52.0#
89 1.3 61.3 91.9#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2440

Delta R.T. -0.01 min

Lab File: BG044850.D

Acq: 18 Mar 2020 2:26

Instrument :

BNA_N

ClientSampled :

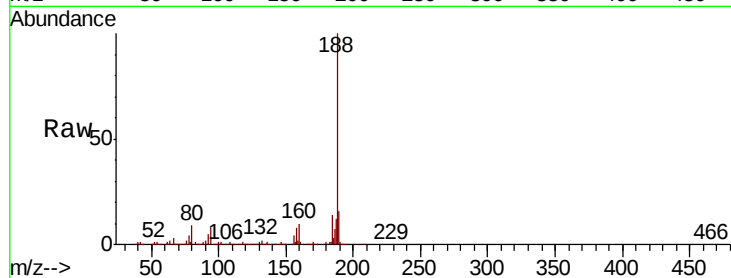
Tot Ion:188 Resp: 574626

Ion Ratio Lower Upper

188 100

94 8.1 7.3 10.9

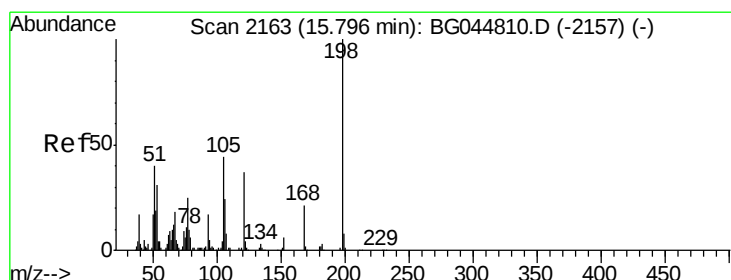
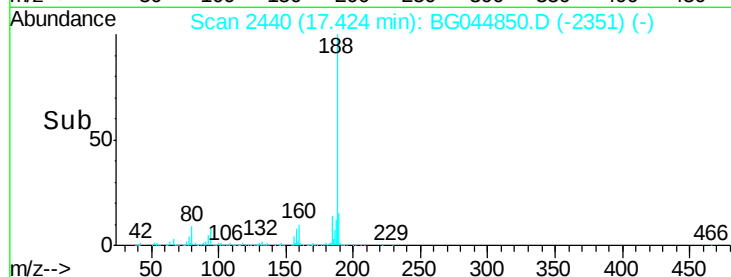
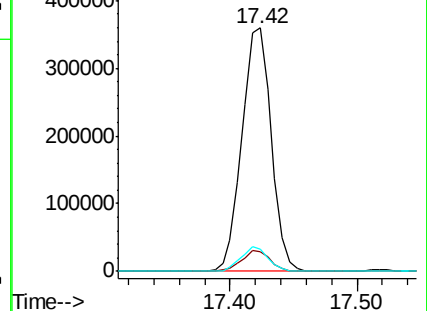
80 9.0 8.0 12.0



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: 7.749 ng

RT: 16.08 min Scan# 2211

Delta R.T. 0.28 min

Lab File: BG044850.D

Acq: 18 Mar 2020 2:26

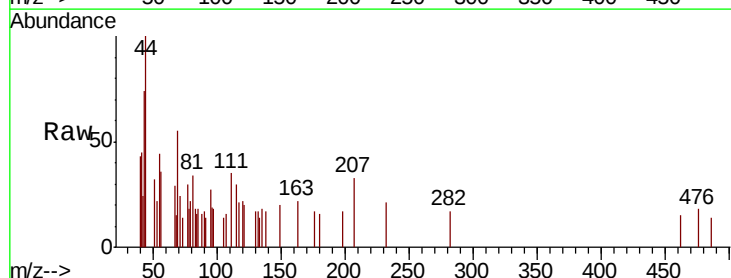
Tgt Ion:198 Resp: 66

Ion Ratio Lower Upper

198 100

51 192.0 21.1 61.1#

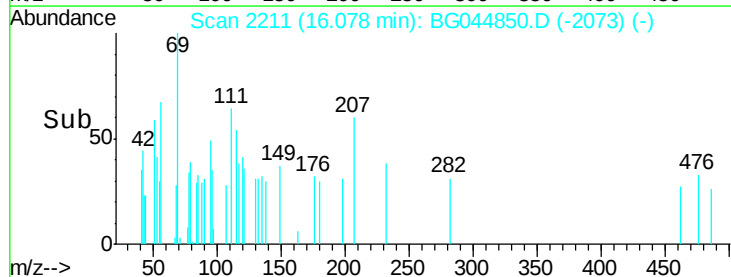
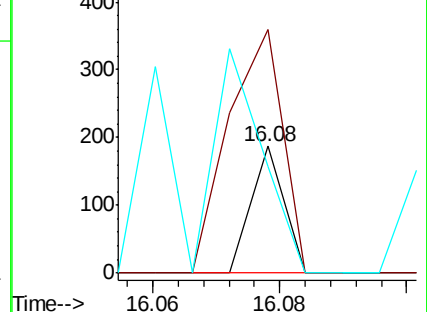
105 84.0 24.5 64.5#

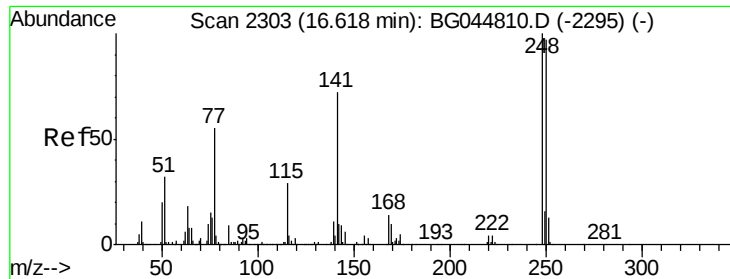


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E





#67

4-Bromophenyl-phenylether

Concen: 4.468 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.46 min

Lab File: BG044850.D

Acq: 18 Mar 2020 2:26

Instrument :

BNA_N

ClientSampled :

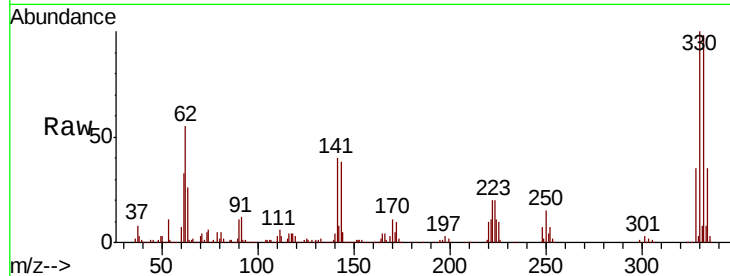
Tot Ion:248 Resp: 32099

Ion Ratio Lower Upper

248 100

250 213.1 77.9 116.9#

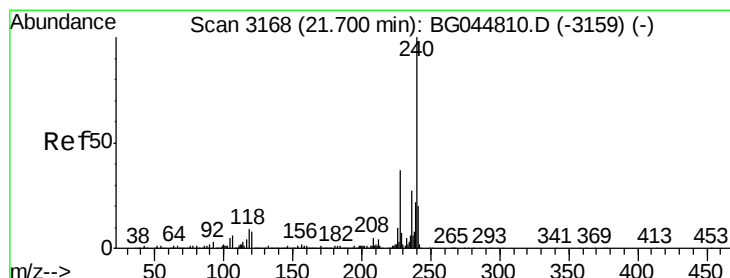
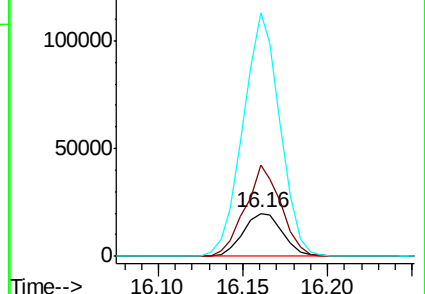
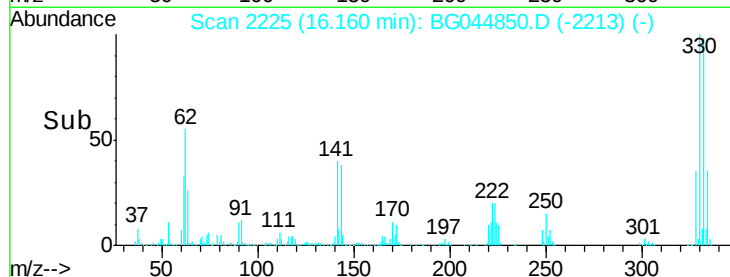
141 570.1 57.5 86.3#



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: 20.000 ng

RT: 21.69 min Scan# 3166

Delta R.T. -0.01 min

Lab File: BG044850.D

Acq: 18 Mar 2020 2:26

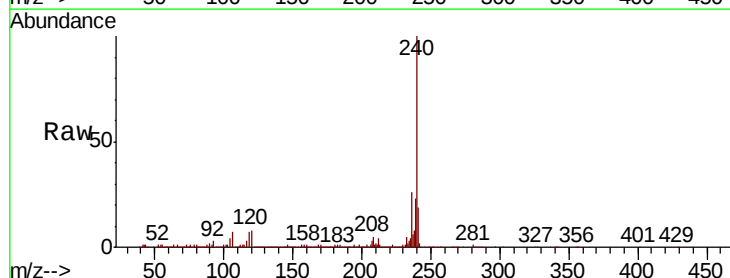
Tgt Ion:240 Resp: 496822

Ion Ratio Lower Upper

240 100

120 8.2 6.7 10.1

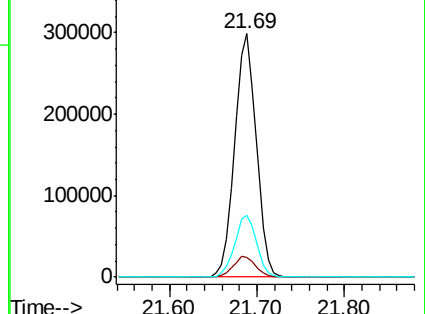
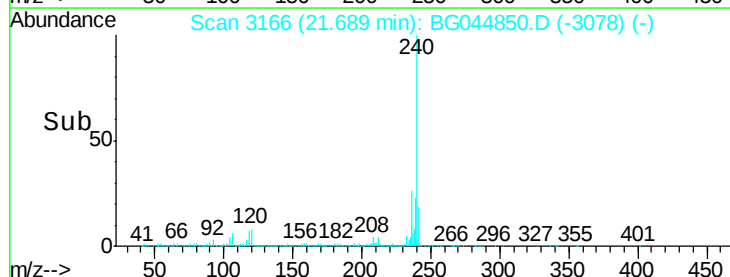
236 25.6 21.5 32.3

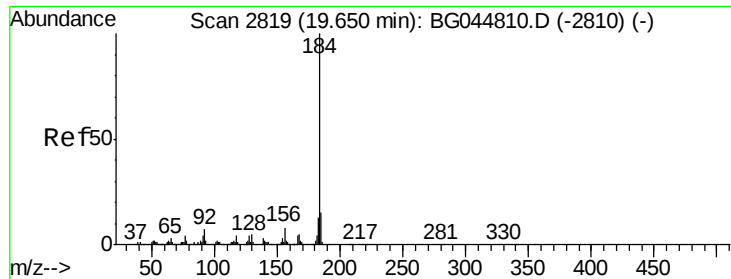


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.595 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.38 min

Lab File: BG044850.D

Acq: 18 Mar 2020 2:26

Instrument :

BNA_N

ClientSampleId :

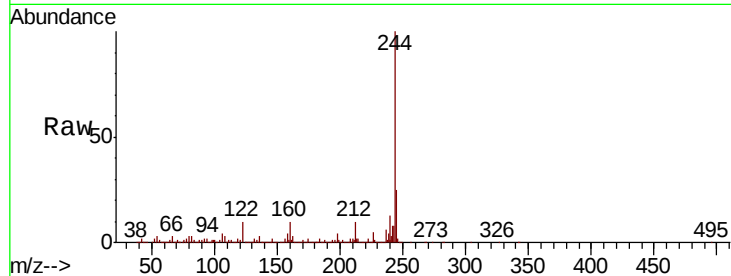
Tot Ion:184 Resp: 41854

Ion Ratio Lower Upper

184 100

185 17.2 12.2 18.4

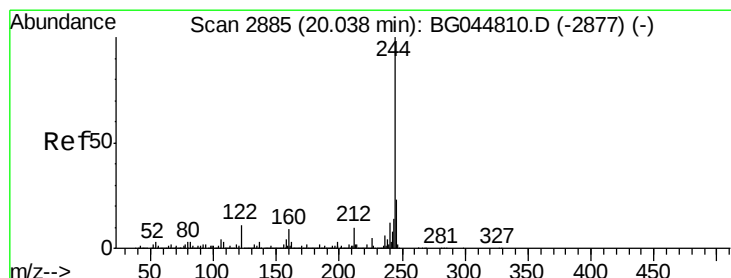
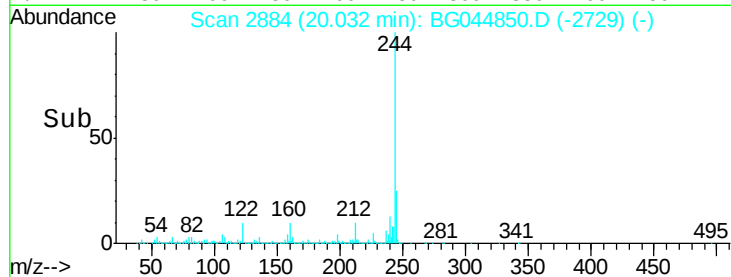
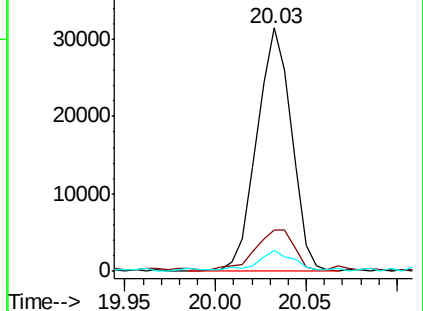
183 8.4 10.7 16.1#



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: 80.182 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG044850.D

Acq: 18 Mar 2020 2:26

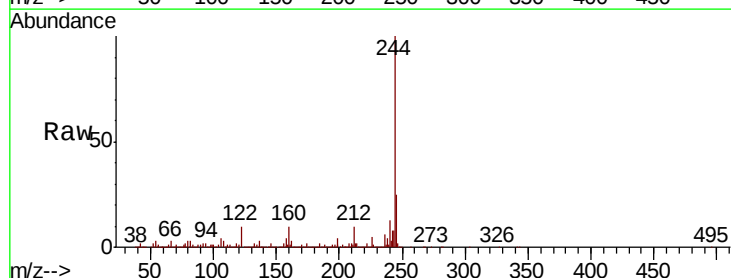
Tgt Ion:244 Resp: 2129663

Ion Ratio Lower Upper

244 100

212 9.8 7.7 11.5

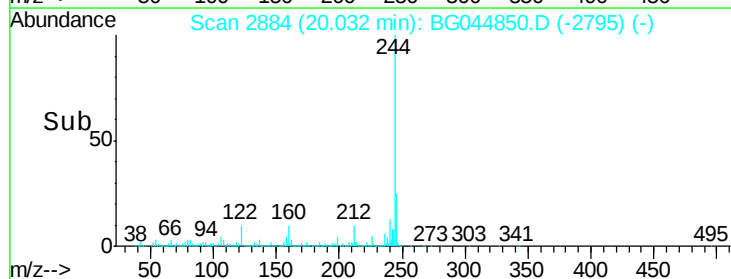
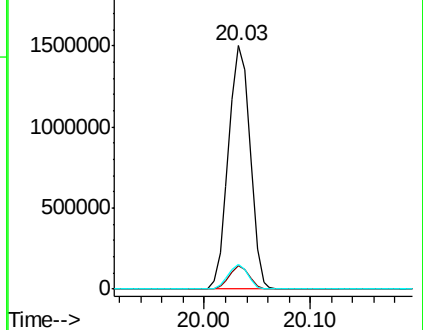
122 10.2 8.6 12.8

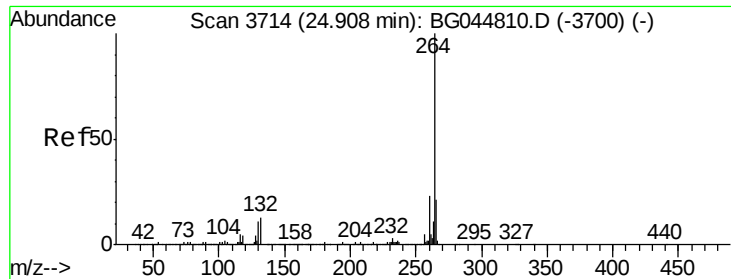


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

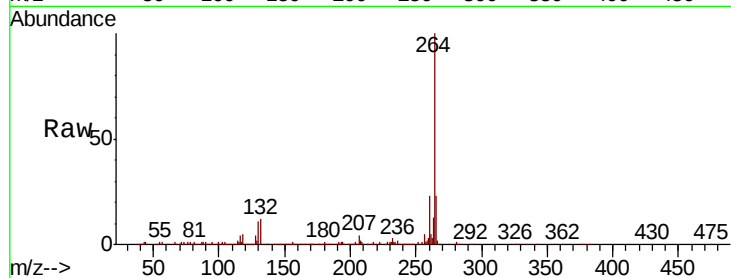




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.90 min Scan# 3712
Delta R.T. -0.01 min
Lab File: BG044850.D
Acq: 18 Mar 2020 2:26

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.1	27.1
265	22.9	17.1	25.7



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

