

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031720\
 Data File : BG044852.D
 Acq On : 18 Mar 2020 3:45
 Operator : CG/JU
 Sample : L1917-09
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 18 11:48:02 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

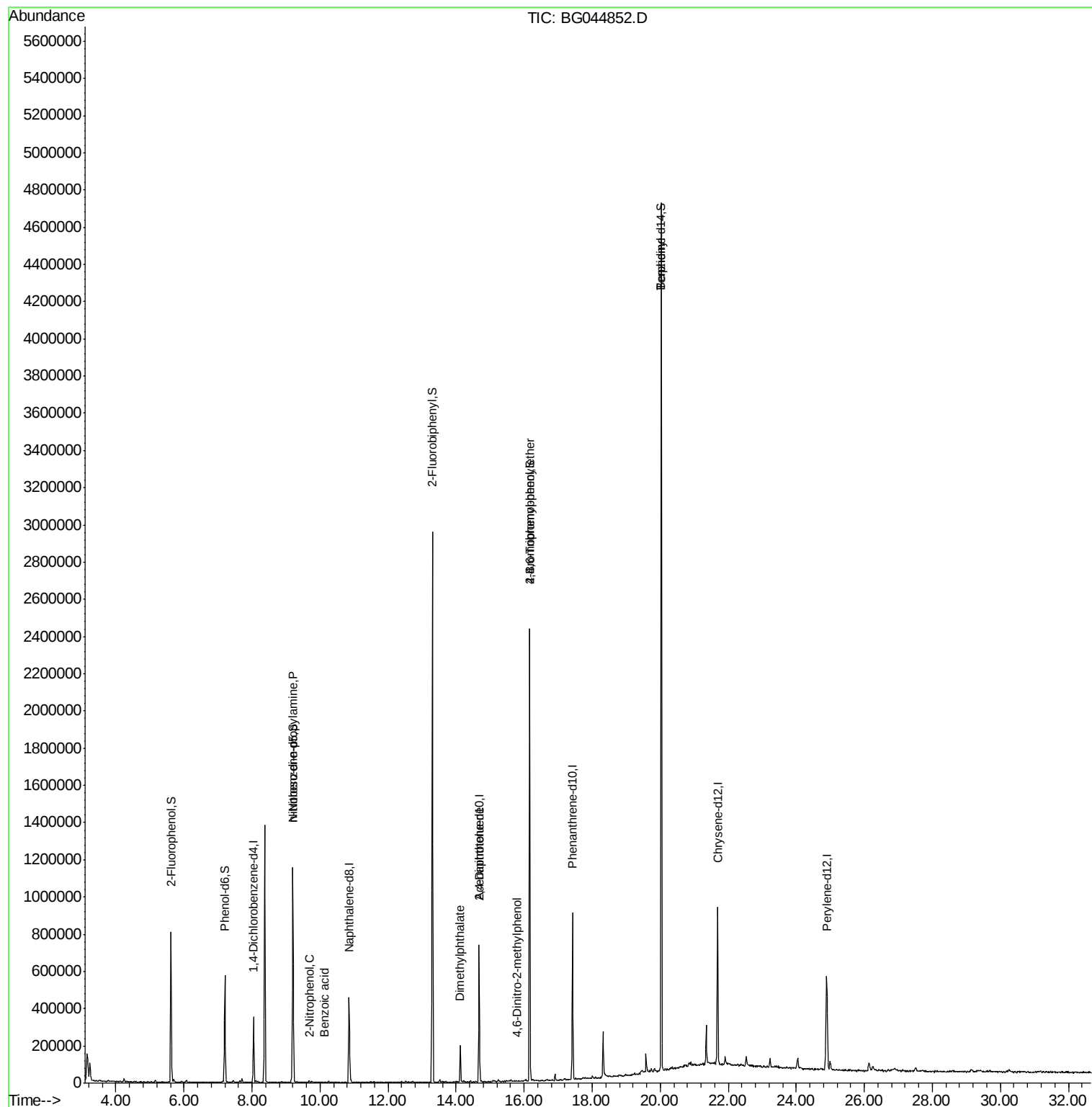
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	101130	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	402198	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	269745	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	583753	20.00	ng	0.00
76) Chrysene-d12	21.69	240	487476	20.00	ng	-0.01
87) Perylene-d12	24.90	264	567874	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	373728	57.53	ng	0.00
7) Phenol-d6	7.20	99	352507	37.35	ng	0.00
23) Nitrobenzene-d5	9.20	82	751206	81.96	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	484472	137.17	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	1556728	82.64	ng	0.00
79) Terphenyl-d14	20.03	244	2178215	83.58	ng	0.00
Target Compounds						
9) Benzaldehyde	7.15	77	718	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	9.20	70	103671	15.555 ng	#	76
26) 2-Nitrophenol	9.70	139	97	5.541 ng	#	28
32) Benzoic acid	10.12	122	59	9.680 ng	#	34
50) Dimethylphthalate	14.13	163	130788	6.088 ng		97
57) 2,4-Dinitrotoluene	14.68	165	36697	6.179 ng	#	21
65) 4,6-Dinitro-2-methylphenol	15.79	198	72	7.750 ng	#	33
67) 4-Bromophenyl-phenylether	16.16	248	33881	4.643 ng	#	1
77) Benzidine	20.03	184	42239	2.669 ng	#	89

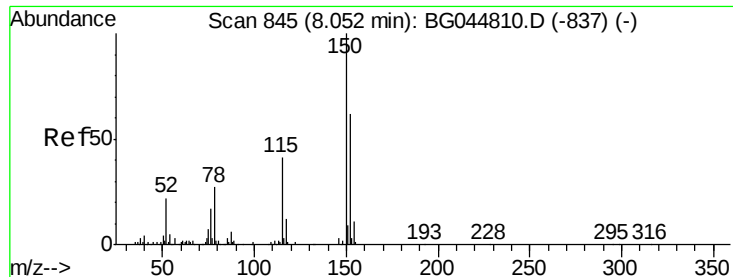
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 18 Sample Multiplier: 1

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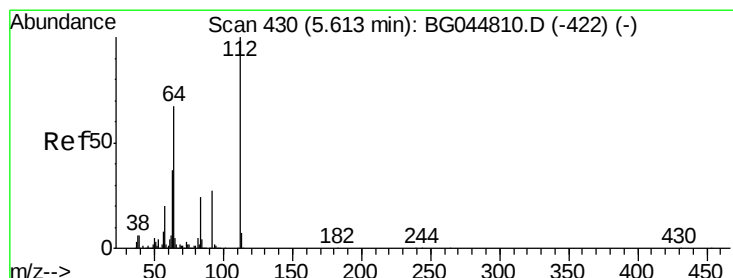
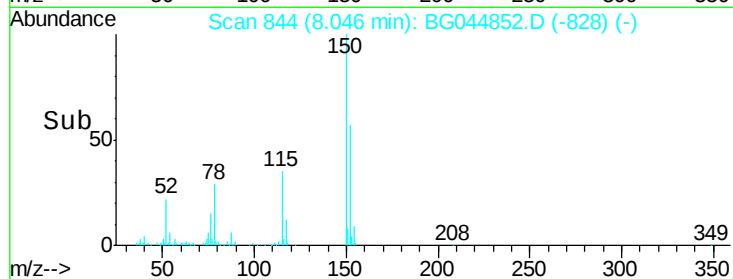
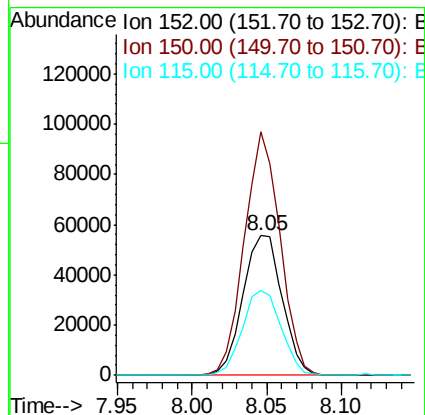
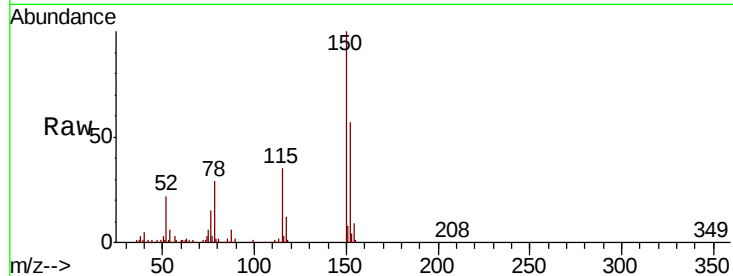


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BG044852.D
Acq: 18 Mar 2020 3:45

Instrument :
BNA_N
ClientSampleId :

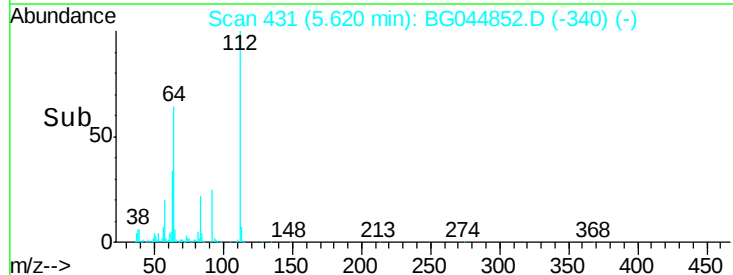
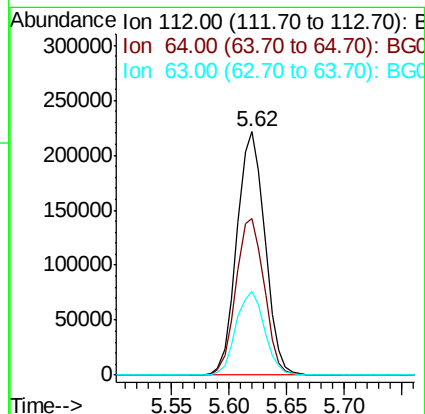
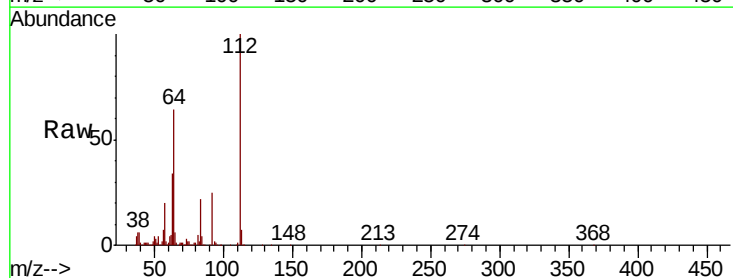
Tot Ion	Ratio	Lower	Upper
152	100		
150	174.4	128.8	193.2
115	60.6	52.6	79.0

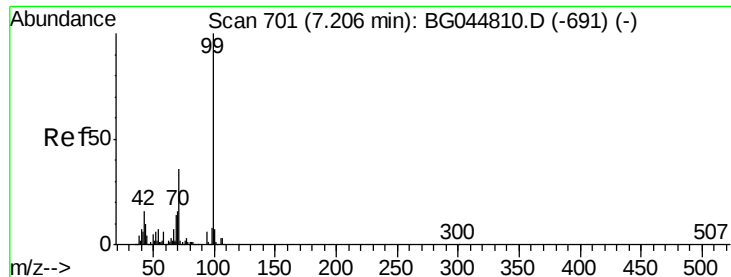


#5

2-Fluorophenol
Concen: 57.528 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.01 min
Lab File: BG044852.D
Acq: 18 Mar 2020 3:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.3	53.4	80.2
63	34.2	29.4	44.2





#7

Phenol-d6

Concen: 37.346 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.01 min

Lab File: BG044852.D

Acq: 18 Mar 2020 3:45

Instrument :

BNA_N

ClientSampled :

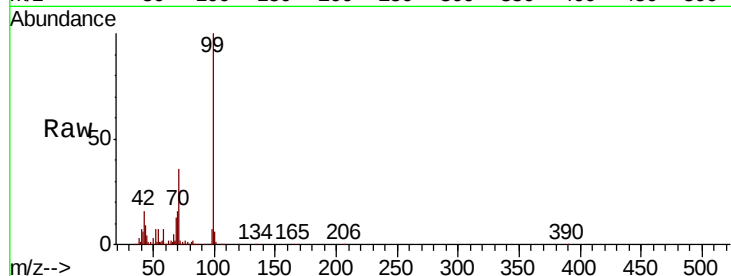
Tot Ion: 99 Resp: 352507

Ion Ratio Lower Upper

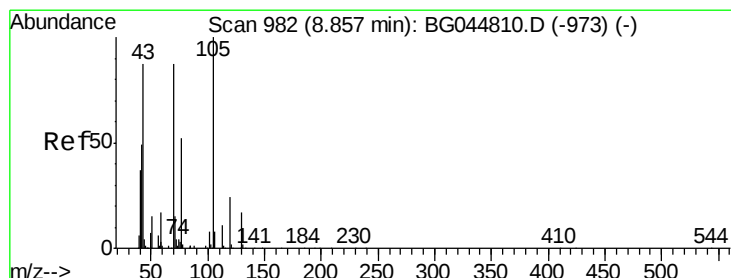
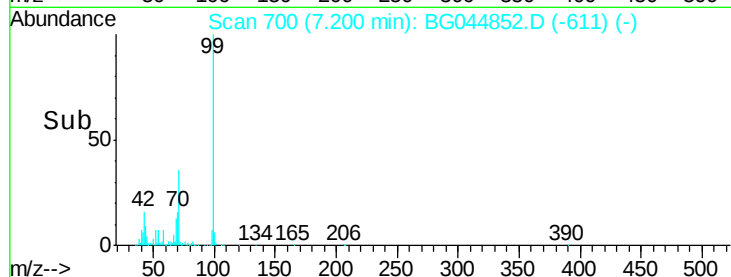
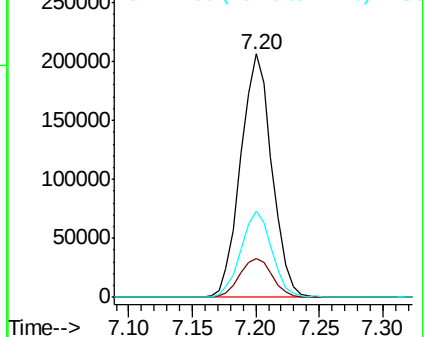
99 100

42 15.7 12.6 19.0

71 35.5 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: 15.555 ng

RT: 9.20 min Scan# 1041

Delta R.T. 0.35 min

Lab File: BG044852.D

Acq: 18 Mar 2020 3:45

Tgt Ion: 70 Resp: 103671

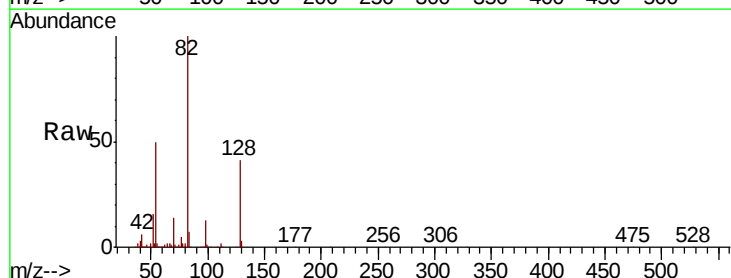
Ion Ratio Lower Upper

70 100

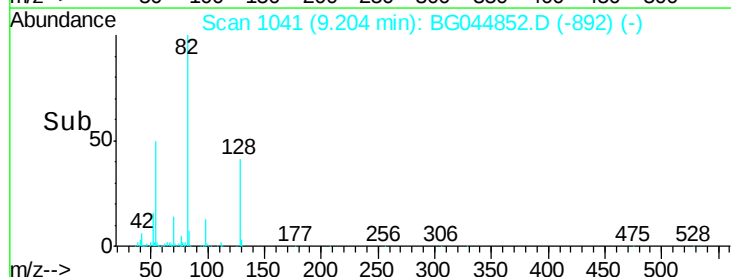
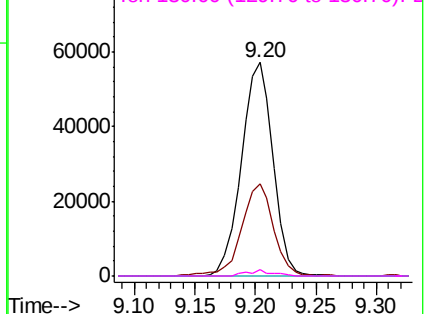
42 43.2 45.7 68.5#

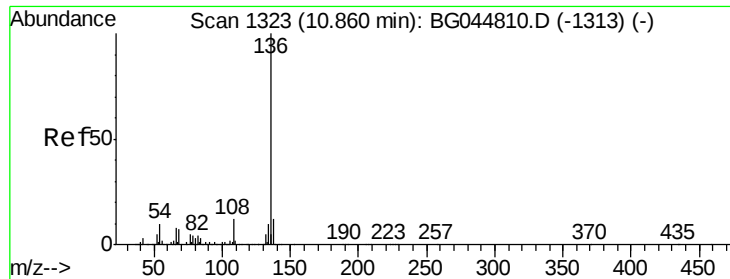
101 0.0 7.4 11.2#

130 2.8 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

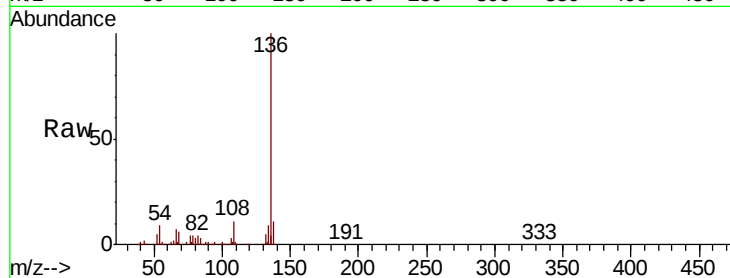




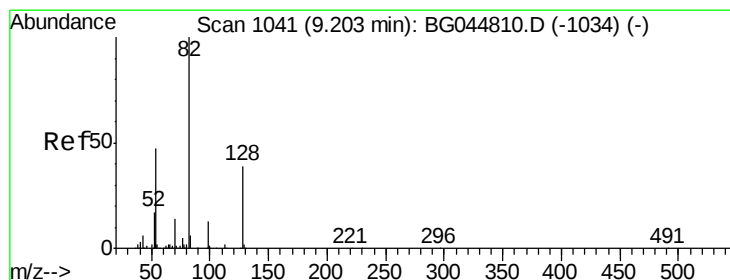
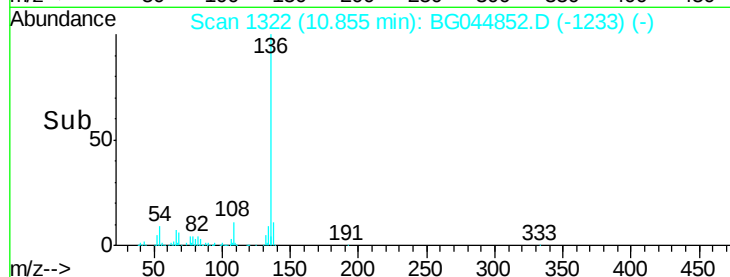
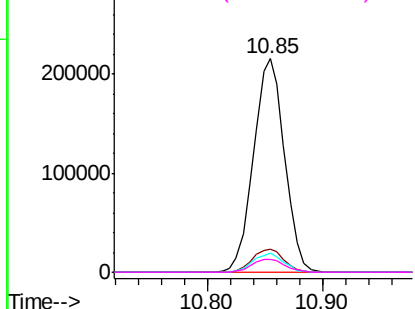
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BG044852.D
Acq: 18 Mar 2020 3:45

Instrument :
BNA_N
ClientSampleId :

Tot Ion:136	Resp:	402198
Ion Ratio	Lower	Upper
136	100	
137	10.6	9.8 14.6
54	9.2	7.9 11.9
68	6.2	5.4 8.0

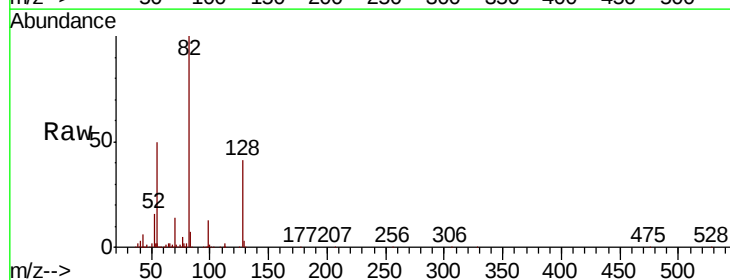


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

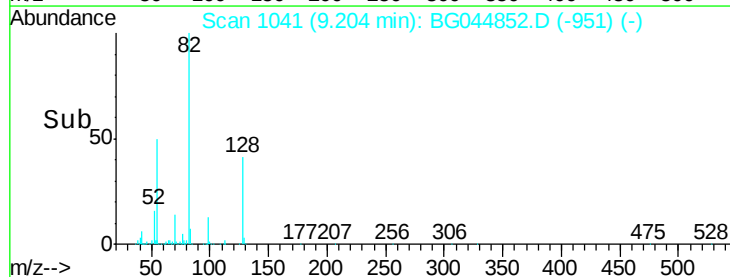
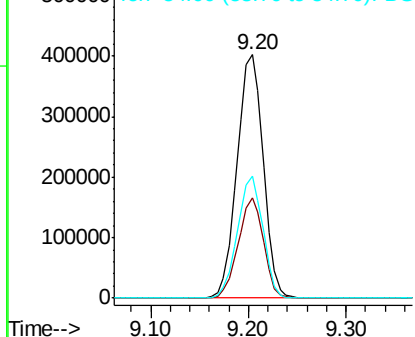


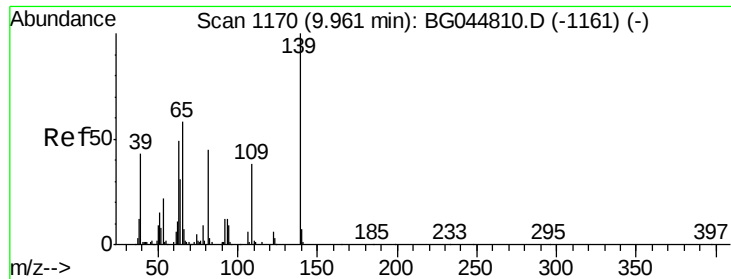
#23
Nitrobenzene-d5
Concen: 81.960 ng
RT: 9.20 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BG044852.D
Acq: 18 Mar 2020 3:45

Tgt Ion: 82	Resp:	751206
Ion Ratio	Lower	Upper
82	100	
128	41.1	30.6 46.0
54	50.0	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

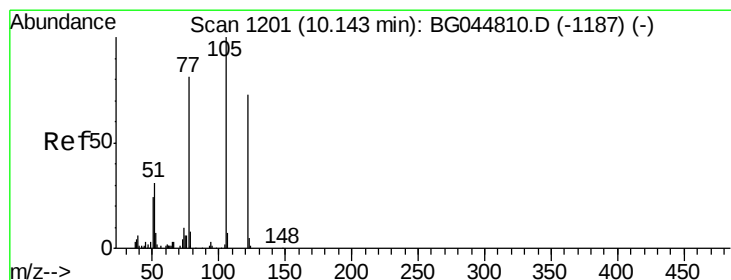
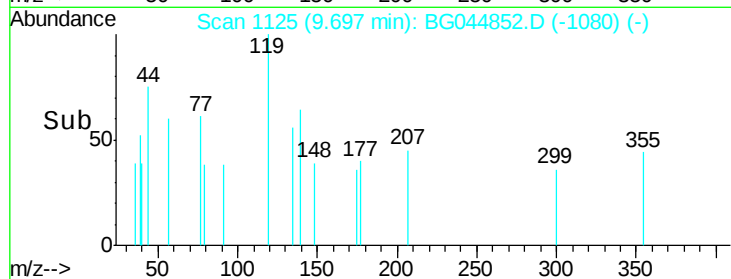
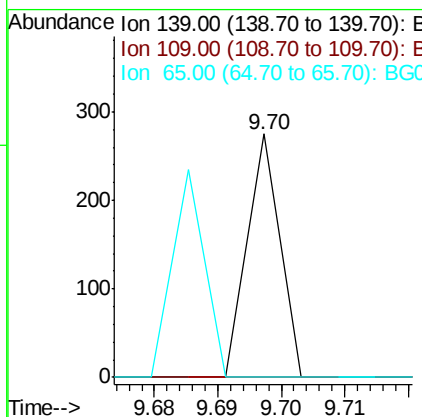
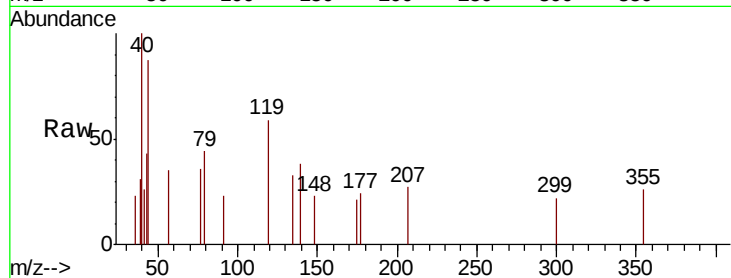




#26
2-Nitrophenol
Concen: 5.541 ng
RT: 9.70 min Scan# 1125
Delta R.T. -0.26 min
Lab File: BG044852.D
Acq: 18 Mar 2020 3:45

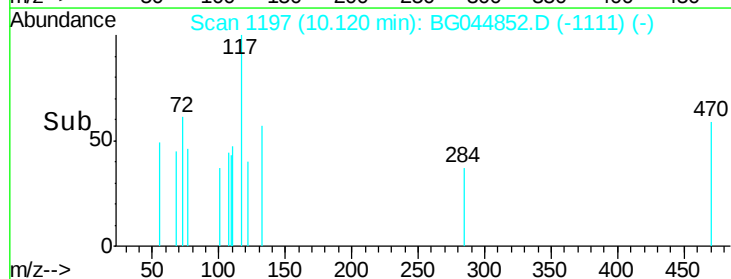
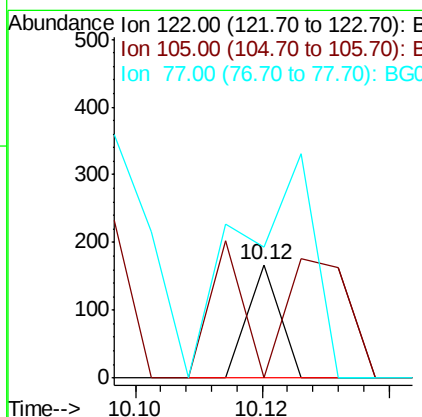
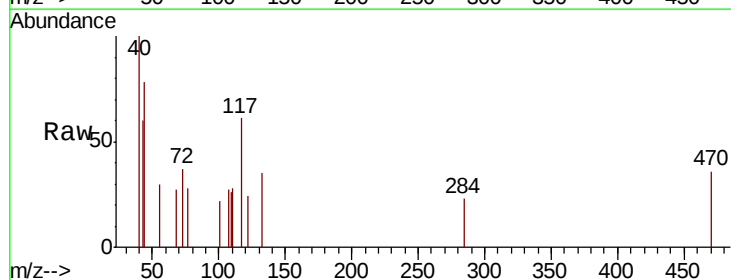
Instrument :
BNA_N
ClientSampleId :

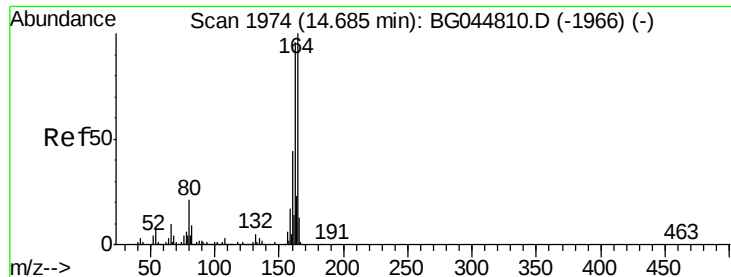
Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	30.2	45.4#
65	0.0	46.3	69.5#



#32
Benzoic acid
Concen: 9.680 ng
RT: 10.12 min Scan# 1197
Delta R.T. -0.02 min
Lab File: BG044852.D
Acq: 18 Mar 2020 3:45

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	109.1	149.1#
77	116.2	85.3	125.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.01 min

Lab File: BG044852.D

Acq: 18 Mar 2020 3:45

Instrument :

BNA_N

ClientSampleId :

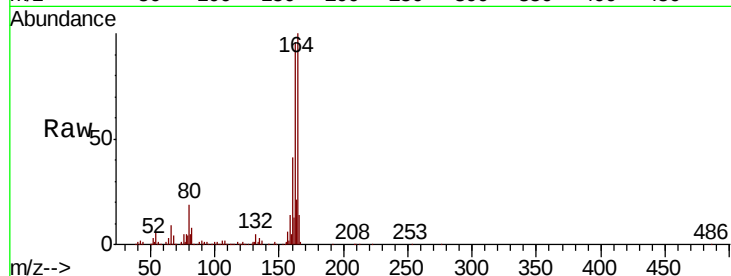
Tot Ion:164 Resp: 269745

Ion Ratio Lower Upper

164 100

162 96.1 76.7 115.1

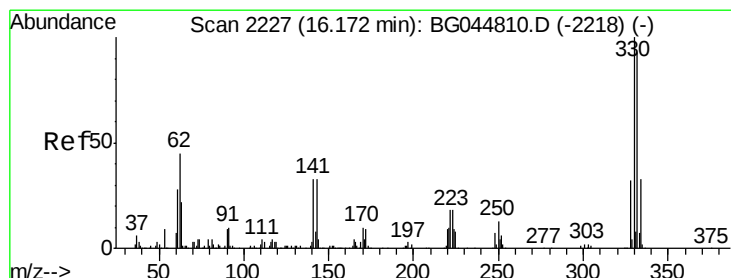
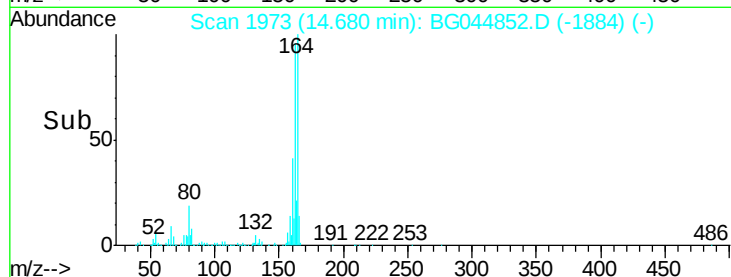
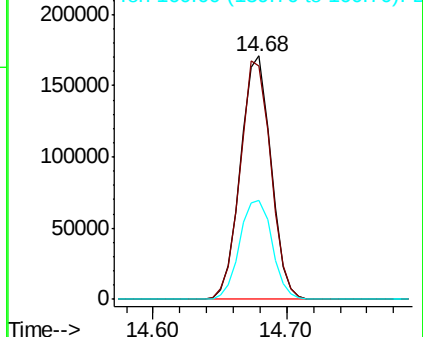
160 40.9 35.0 52.4



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: 137.170 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BG044852.D

Acq: 18 Mar 2020 3:45

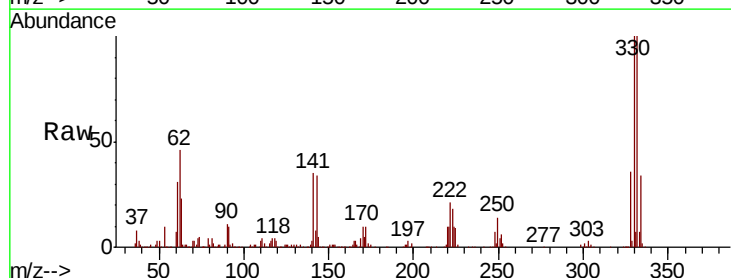
Tgt Ion:330 Resp: 484472

Ion Ratio Lower Upper

330 100

332 97.3 77.8 116.6

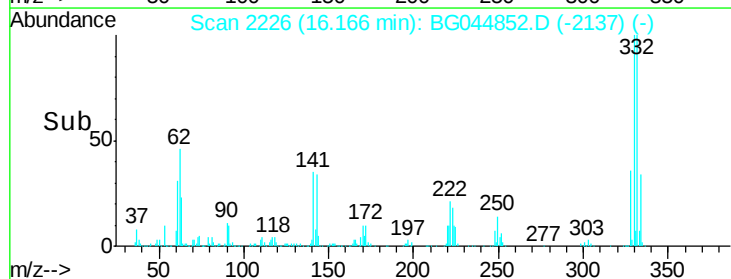
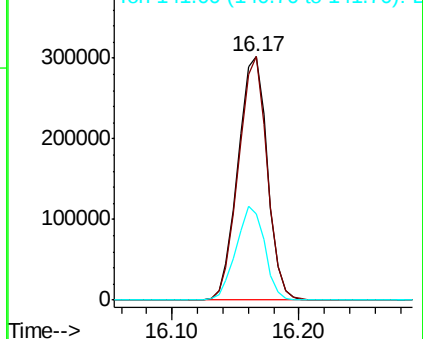
141 37.4 29.5 44.3

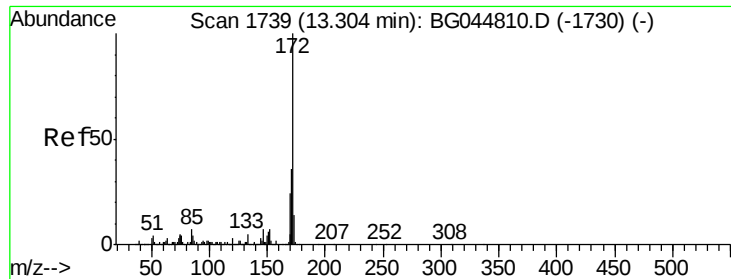


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

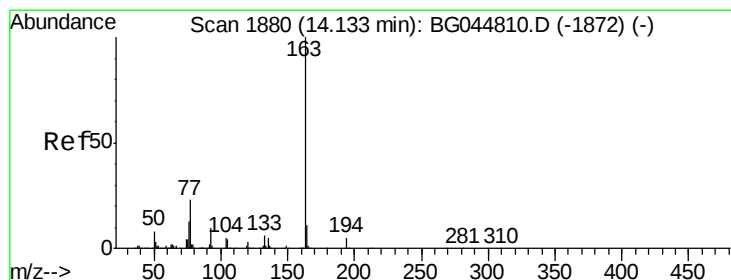
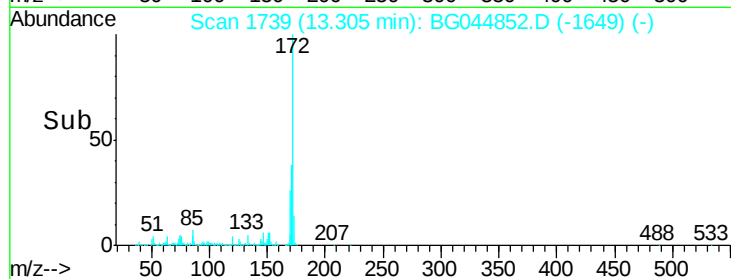
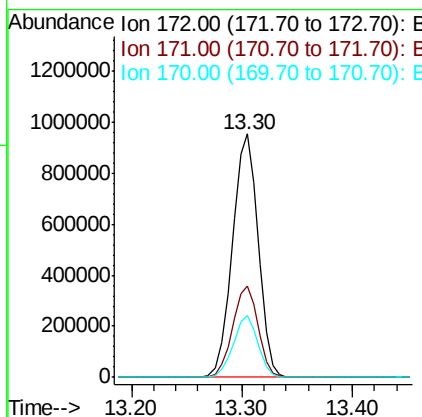
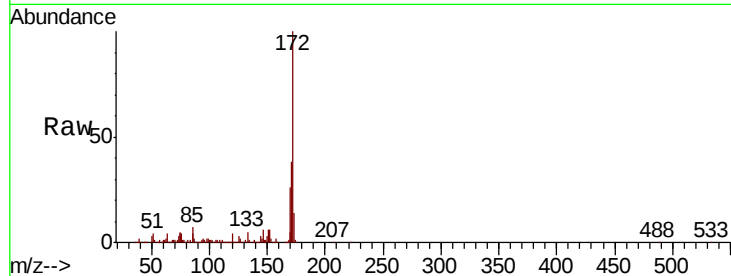




#45
2-Fluorobiphenyl
Concen: 82.644 ng
RT: 13.30 min Scan# 1739
Delta R.T. 0.00 min
Lab File: BG044852.D
Acq: 18 Mar 2020 3:45

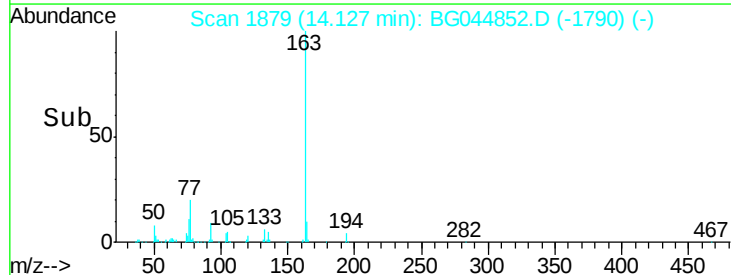
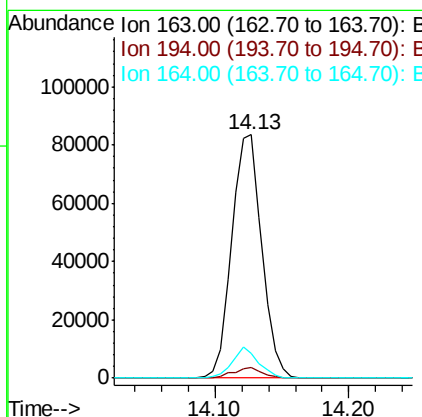
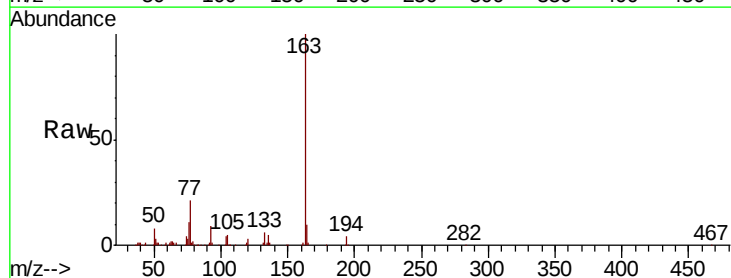
Instrument :
BNA_N
ClientSampleId :

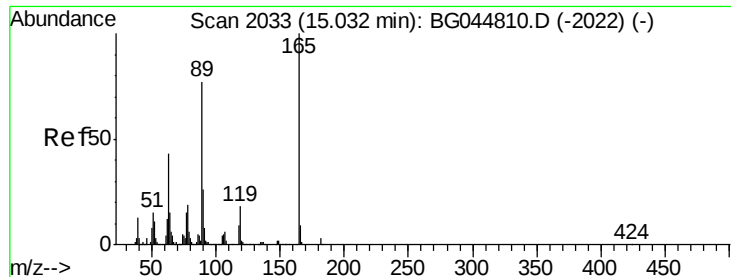
Tot Ion:172 Resp: 1556728
Ion Ratio Lower Upper
172 100
171 37.6 28.7 43.1
170 25.6 19.0 28.6



#50
Dimethylphthalate
Concen: 6.088 ng
RT: 14.13 min Scan# 1879
Delta R.T. -0.01 min
Lab File: BG044852.D
Acq: 18 Mar 2020 3:45

Tgt Ion:163 Resp: 130788
Ion Ratio Lower Upper
163 100
194 4.4 3.7 5.5
164 10.0 9.1 13.7

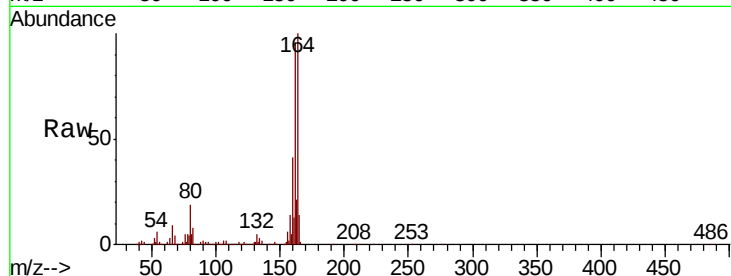




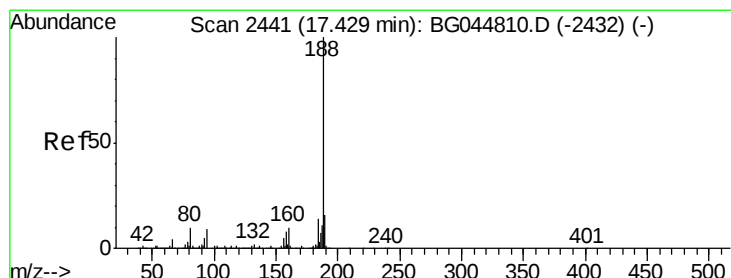
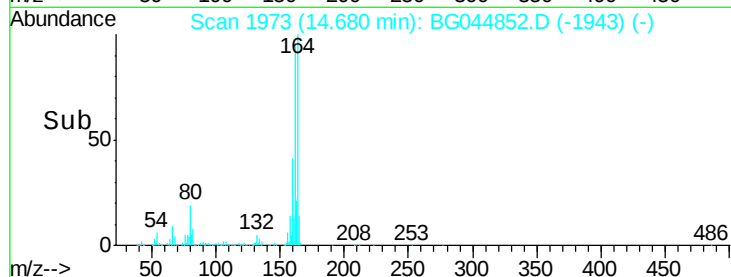
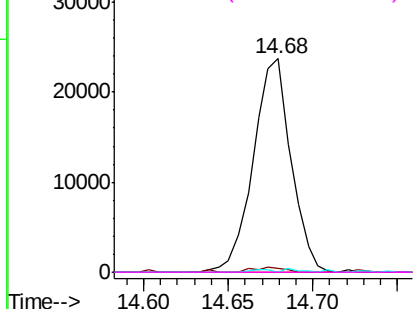
#57
 2,4-Dinitrotoluene
 Concen: 6.179 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. -0.35 min
 Lab File: BG044852.D
 Acq: 18 Mar 2020 3:45

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:165 Resp: 36697
 Ion Ratio Lower Upper
 165 100
 63 1.6 34.6 52.0#
 89 0.0 61.3 91.9#
 182 0.0 2.2 3.2#

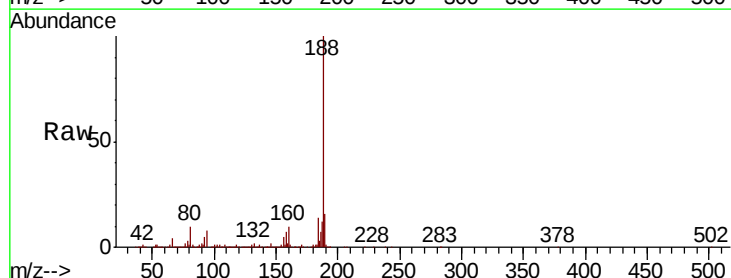


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

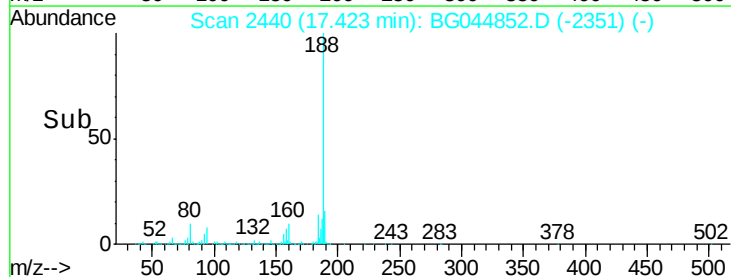
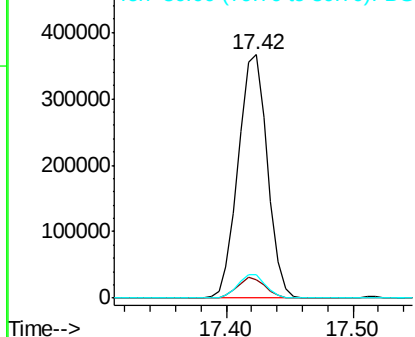


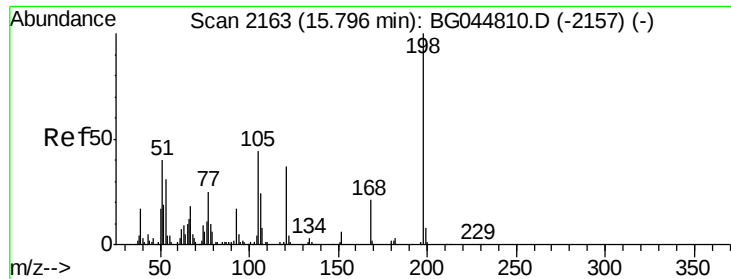
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2440
 Delta R.T. -0.01 min
 Lab File: BG044852.D
 Acq: 18 Mar 2020 3:45

Tgt Ion:188 Resp: 583753
 Ion Ratio Lower Upper
 188 100
 94 7.7 7.3 10.9
 80 9.5 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: 7.750 ng

RT: 15.79 min Scan# 2162

Delta R.T. -0.01 min

Lab File: BG044852.D

Acq: 18 Mar 2020 3:45

Instrument :

BNA_N

ClientSampleId :

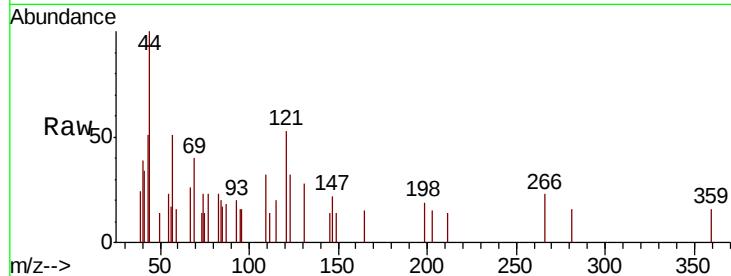
Tot Ion:198 Resp: 72

Ion Ratio Lower Upper

198 100

51 0.0 21.1 61.1#

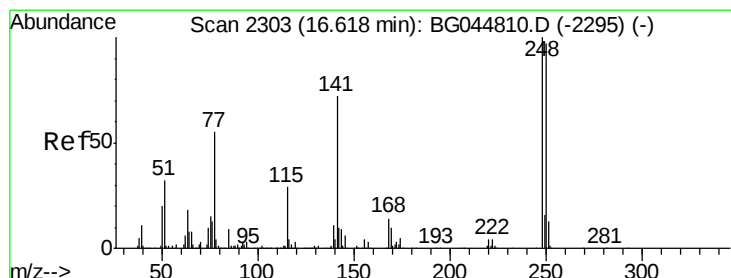
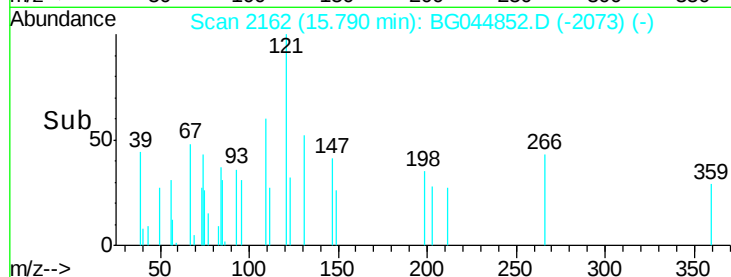
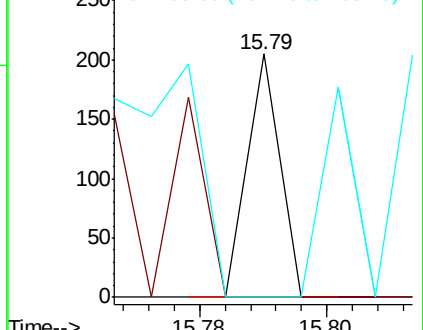
105 0.0 24.5 64.5#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 4.643 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.46 min

Lab File: BG044852.D

Acq: 18 Mar 2020 3:45

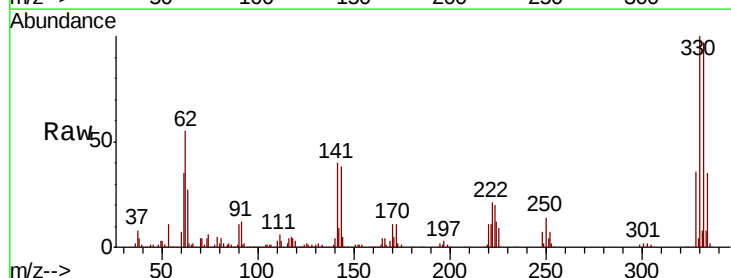
Tgt Ion:248 Resp: 33881

Ion Ratio Lower Upper

248 100

250 200.9 77.9 116.9#

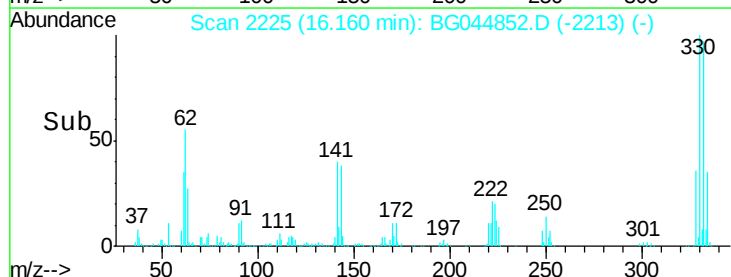
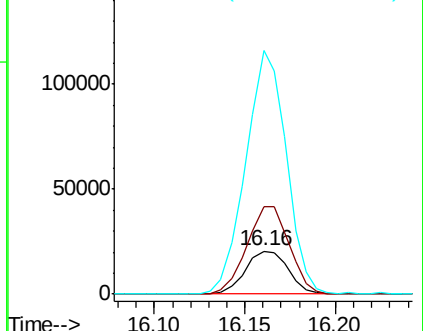
141 562.7 57.5 86.3#

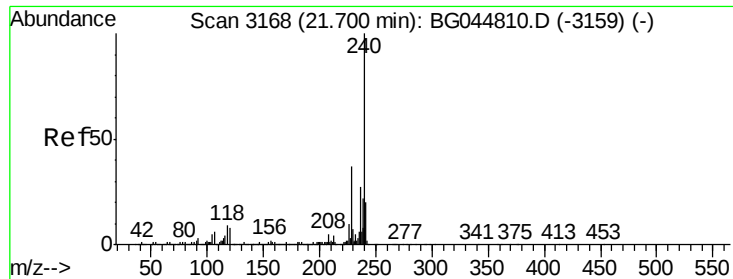


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG044852.D

Acq: 18 Mar 2020 3:45

Instrument :

BNA_N

ClientSampleId :

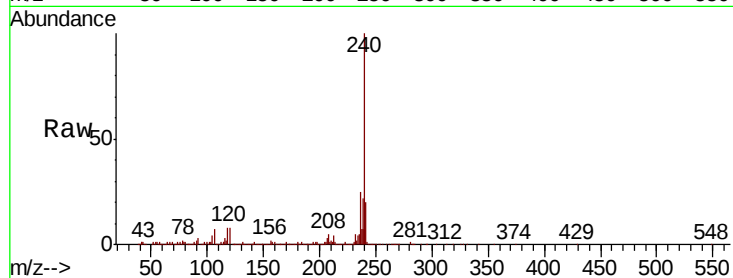
Tot Ion:240 Resp: 487476

Ion Ratio Lower Upper

240 100

120 7.7 6.7 10.1

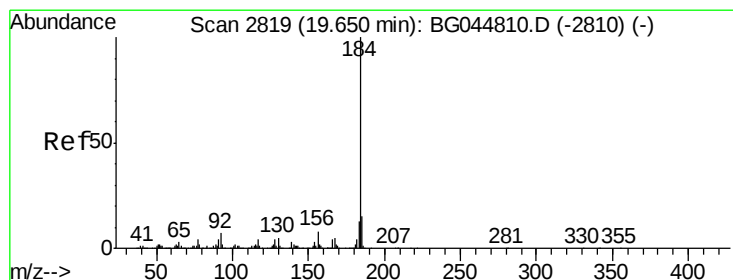
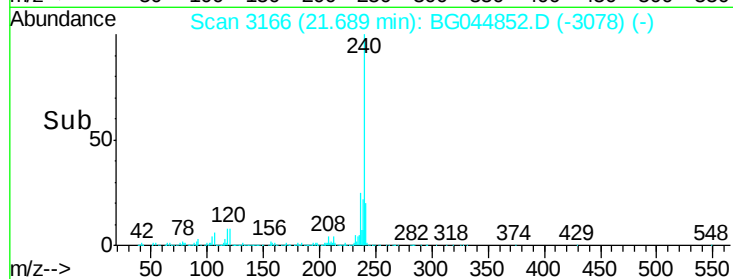
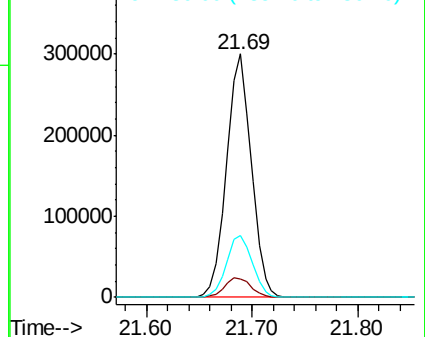
236 25.4 21.5 32.3



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: 2.669 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.38 min

Lab File: BG044852.D

Acq: 18 Mar 2020 3:45

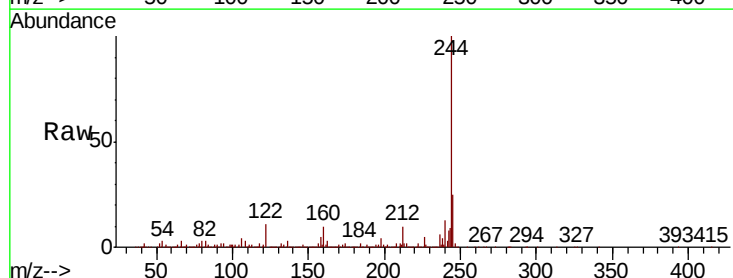
Tgt Ion:184 Resp: 42239

Ion Ratio Lower Upper

184 100

185 18.1 12.2 18.4

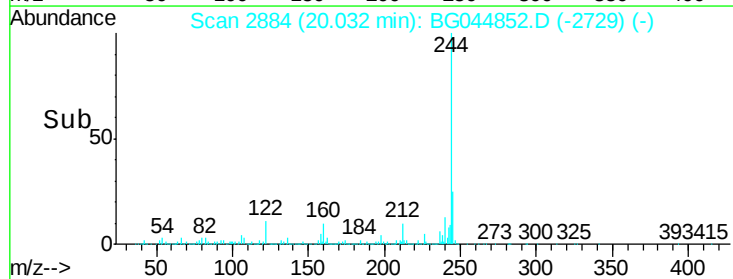
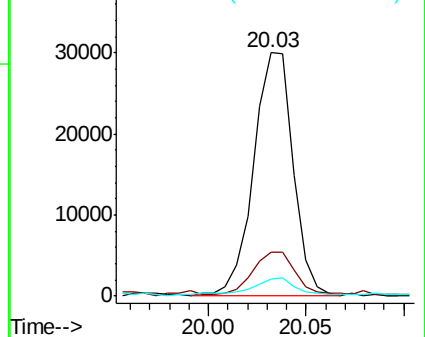
183 7.0 10.7 16.1#

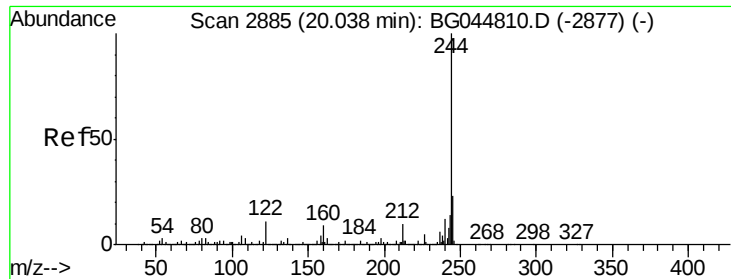


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 83.583 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG044852.D

Acq: 18 Mar 2020 3:45

Instrument :

BNA_N

ClientSampleId :

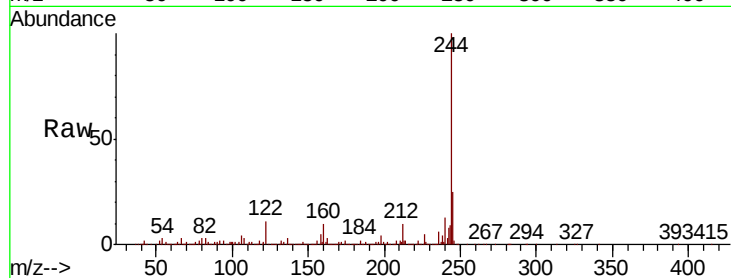
Tot Ion:244 Resp: 2178215

Ion Ratio Lower Upper

244 100

212 9.7 7.7 11.5

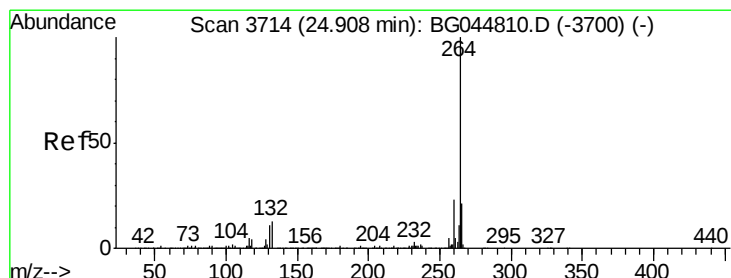
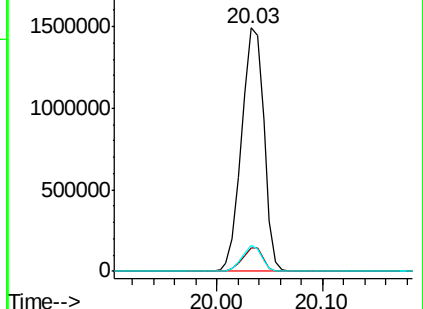
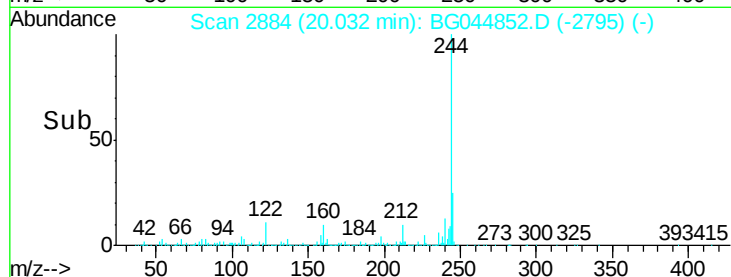
122 10.8 8.6 12.8



Abundance Ion 244.00 (243.70 to 244.70): E

2000000 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: 24.90 min Scan# 3712

Delta R.T. -0.01 min

Lab File: BG044852.D

Acq: 18 Mar 2020 3:45

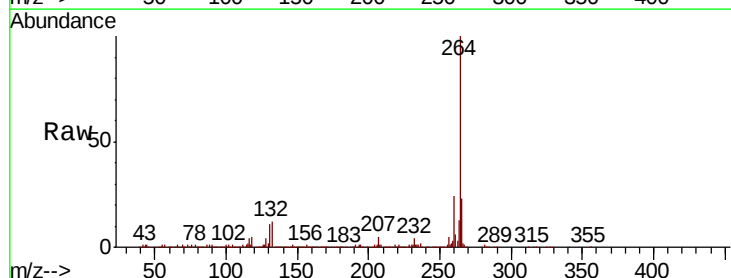
Tgt Ion:264 Resp: 567874

Ion Ratio Lower Upper

264 100

260 24.1 18.1 27.1

265 22.6 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

