

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031920\
 Data File : BG044915.D
 Acq On : 20 Mar 2020 2:52
 Operator : CG/JU
 Sample : L1943-12
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 J+B-2A

Quant Time: Mar 20 03:39:00 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	8.04	152	80639	20.00	ng	-0.01
21) Naphthalene-d8	10.85	136	302143	20.00	ng	-0.01
39) Acenaphthene-d10	14.67	164	197892	20.00	ng	-0.01
64) Phenanthrene-d10	17.42	188	464954	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	490047	20.00	ng	-0.02
87) Perylene-d12	24.89	264	513394	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	585104	112.95	ng	0.00
7) Phenol-d6	7.20	99	724147	96.21	ng	0.00
23) Nitrobenzene-d5	9.20	82	615594	89.41	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	393303	151.79	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	1262276	91.34	ng	0.00
79) Terphenyl-d14	20.03	244	2151433	82.12	ng	0.00

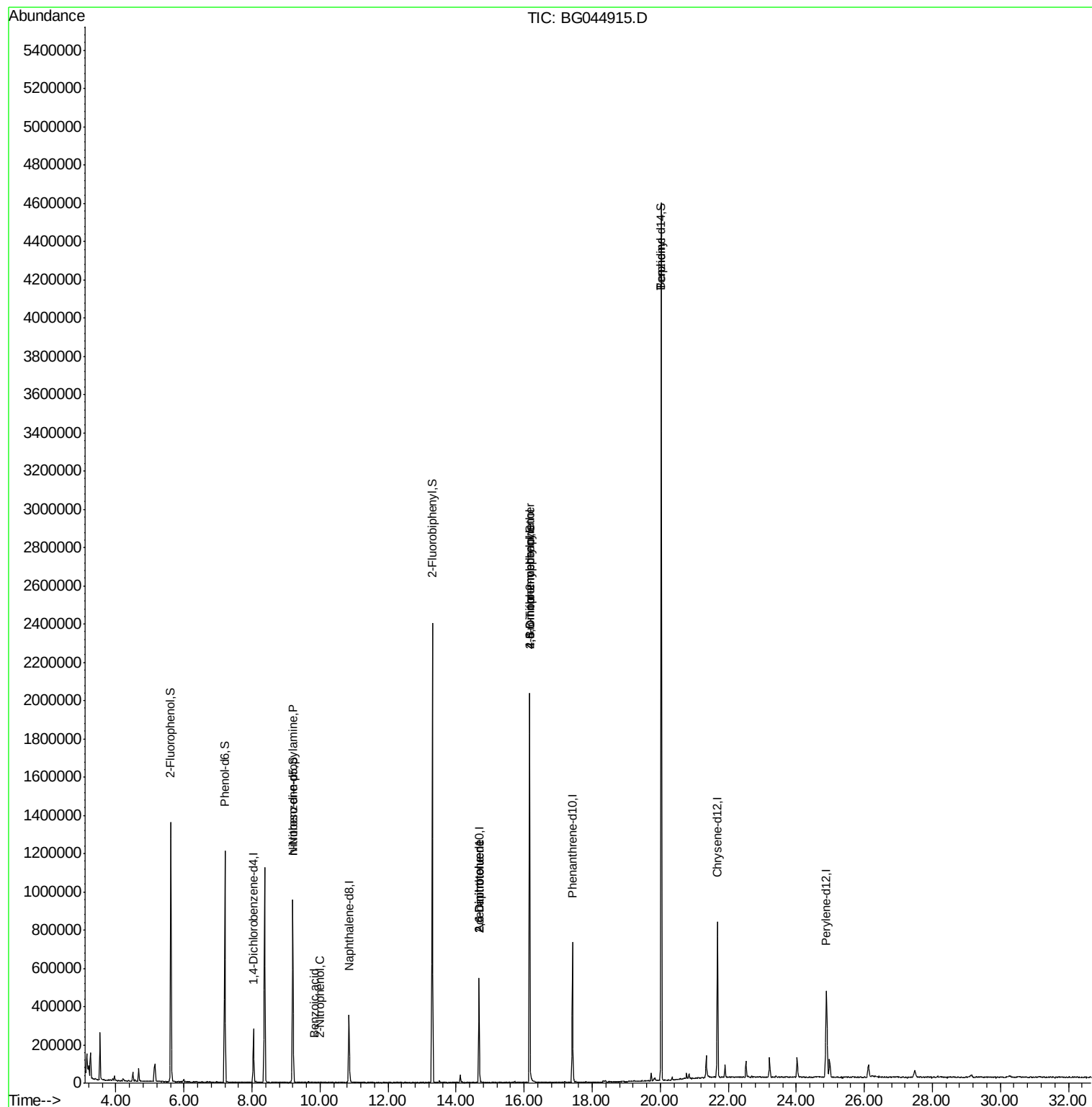
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.19	77	1634	Below Cal	#	6
19) n-Nitroso-di-n-propylamine	9.20	70	82370	15.50	ng	80
26) 2-Nitrophenol	10.00	139	56	5.54	ng	28
32) Benzoic acid	9.83	122	60	9.68	ng	1
51) 2,6-Dinitrotoluene	14.67	165	25389	7.99	ng	22
57) 2,4-Dinitrotoluene	14.67	165	25389	5.83	ng	23
65) 4,6-Dinitro-2-methylphenol	16.16	198	1316	8.23	ng	1
67) 4-Bromophenyl-phenylether	16.16	248	26026	4.48	ng	1
77) Benzidine	20.03	184	42834	2.69	ng	91

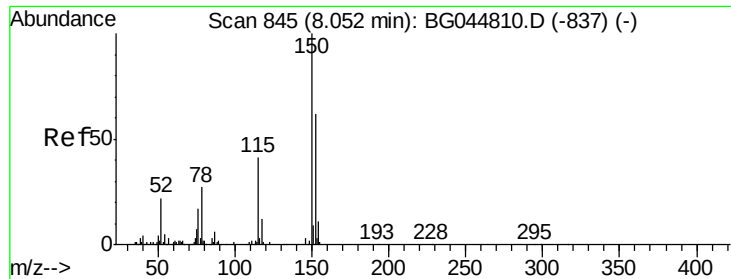
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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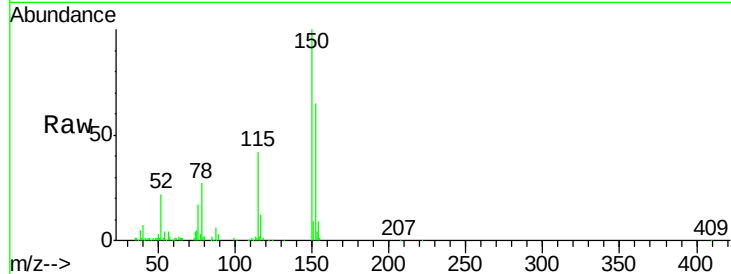


#1

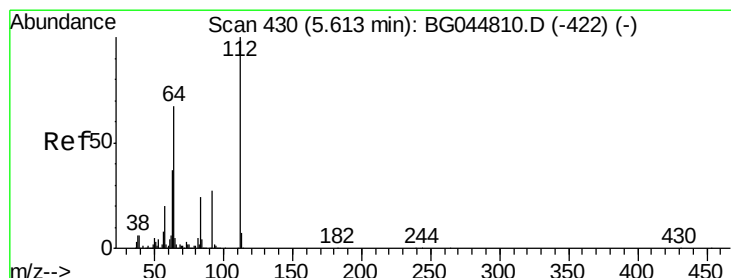
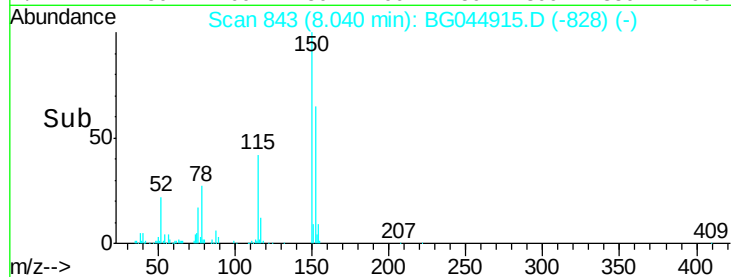
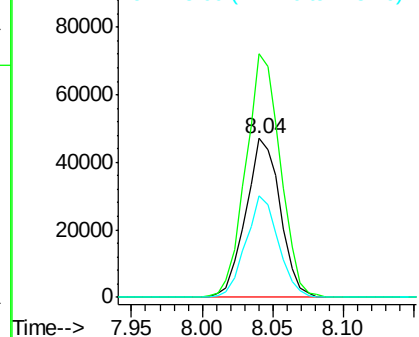
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.01 min
Lab File: BG044915.D
Acq: 20 Mar 2020 2:52

Instrument :
BNA_G
ClientSampleId :
J+B-2A

Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.3	128.8	193.2
115	63.8	52.6	79.0



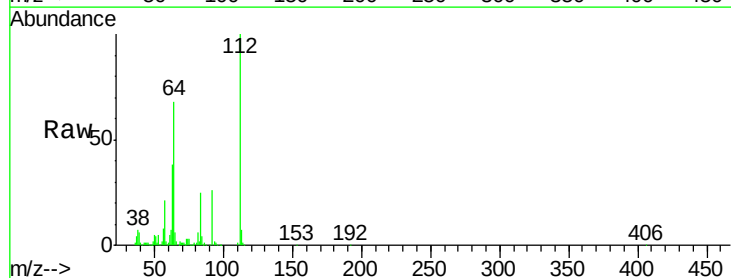
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



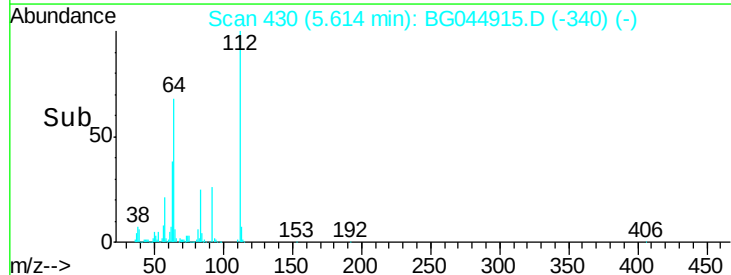
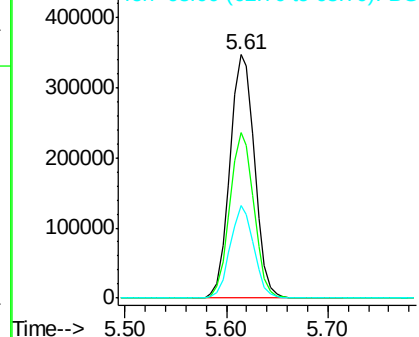
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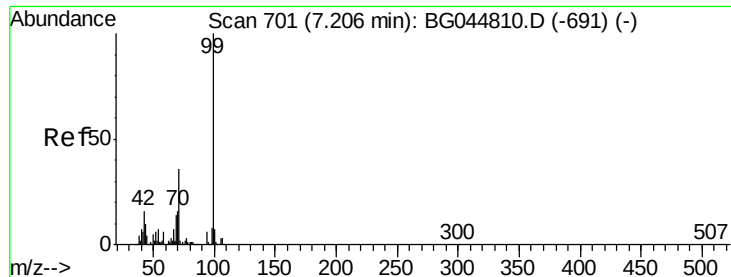
2-Fluorophenol
Concen: 112.95 ng
RT: 5.61 min Scan# 430
Delta R.T. 0.00 min
Lab File: BG044915.D
Acq: 20 Mar 2020 2:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.8	53.4	80.2
63	38.0	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: 96.21 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.01 min

Lab File: BG044915.D

Acq: 20 Mar 2020 2:52

Instrument :

BNA_G

ClientSampled :

J+B-2A

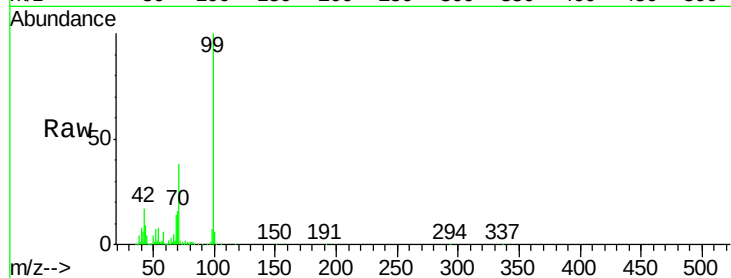
Tgt Ion: 99 Resp: 724147

Ion Ratio Lower Upper

99 100

42 17.3 12.6 19.0

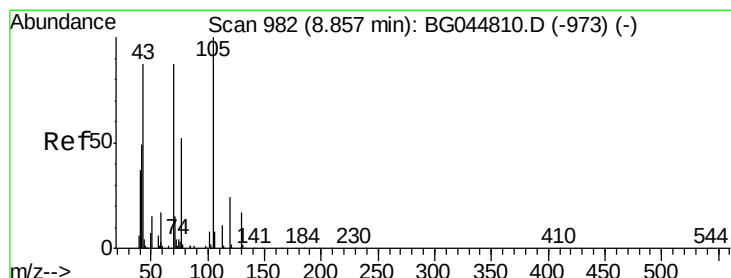
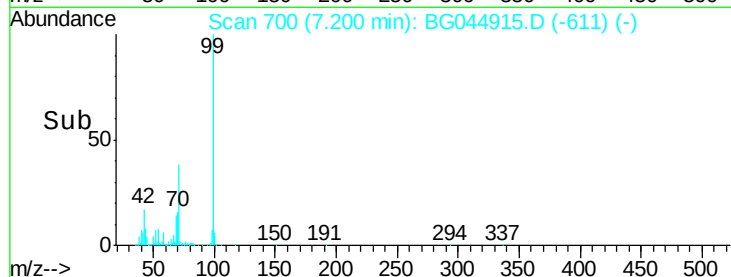
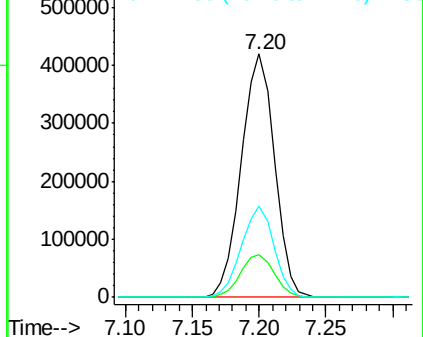
71 37.6 29.0 43.4



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: 15.50 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.34 min

Lab File: BG044915.D

Acq: 20 Mar 2020 2:52

Tgt Ion: 70 Resp: 82370

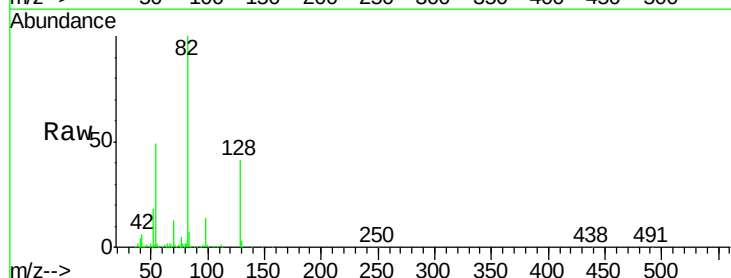
Ion Ratio Lower Upper

70 100

42 47.7 45.7 68.5

101 0.0 7.4 11.2#

130 1.7 15.9 23.9#

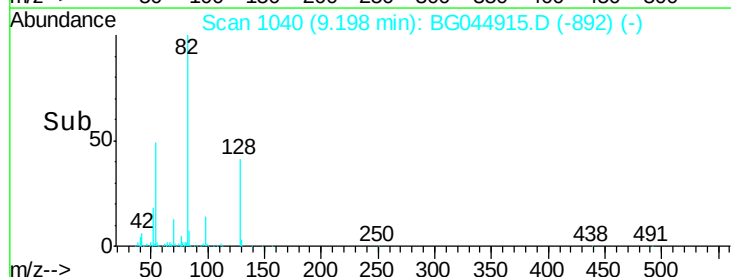
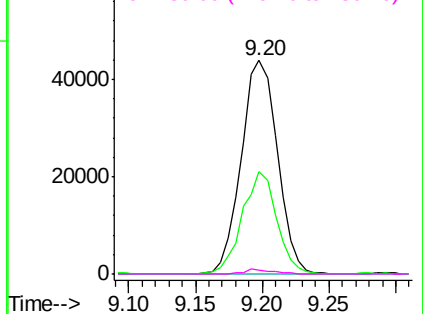


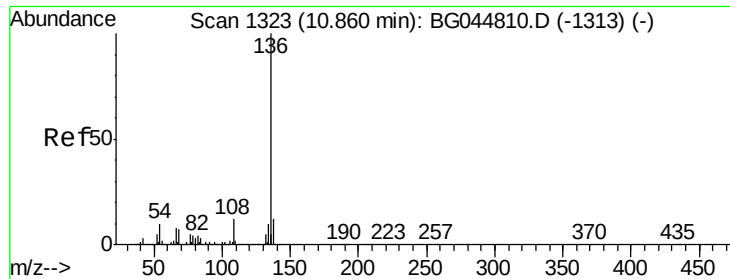
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

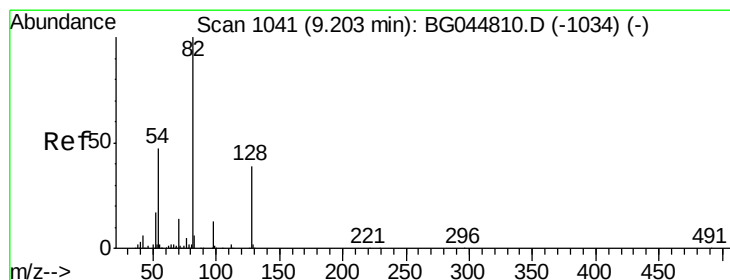
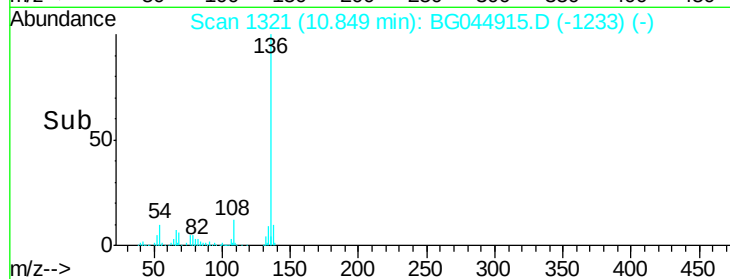
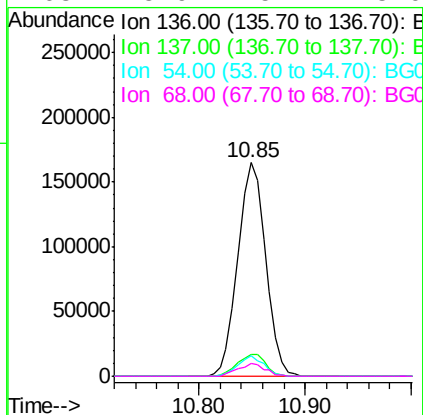
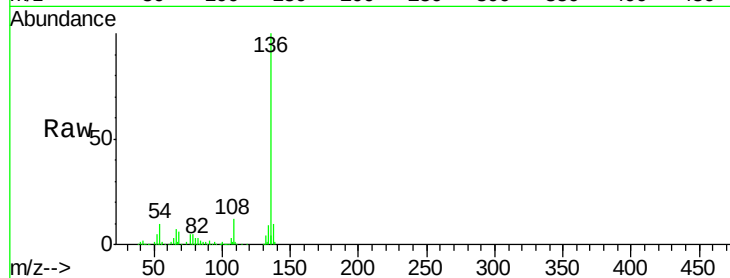




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG044915.D
Acq: 20 Mar 2020 2:52

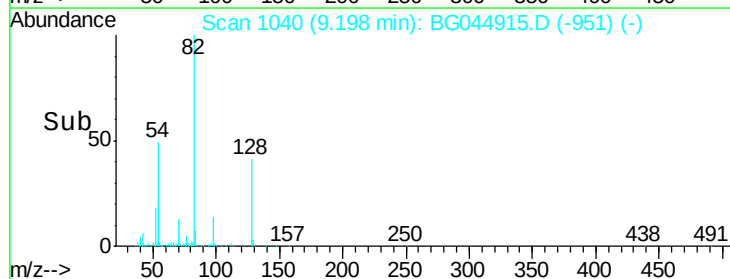
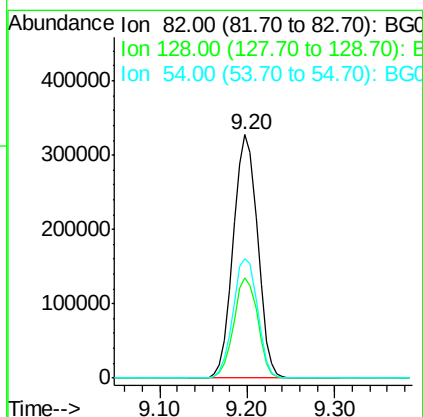
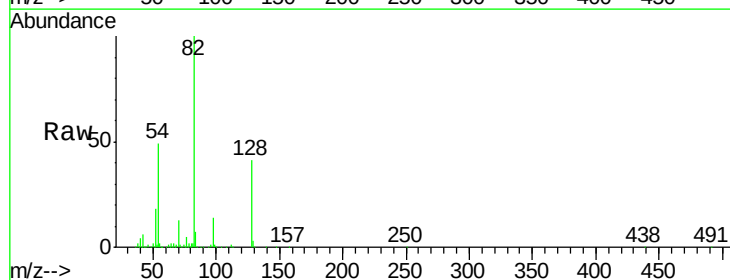
Instrument :
BNA_G
ClientSampleId :
J+B-2A

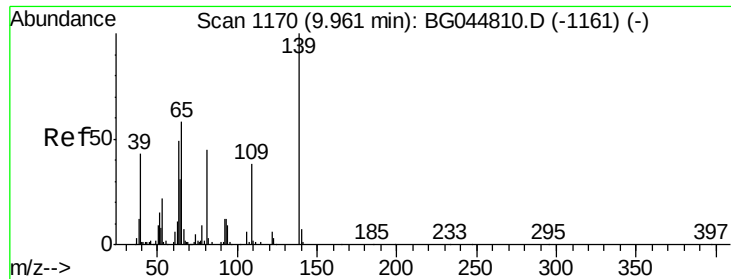
Tgt Ion:	136	Resp:	302143
Ion	Ratio	Lower	Upper
136	100		
137	10.2	9.8	14.6
54	9.7	7.9	11.9
68	5.9	5.4	8.0



#23
Nitrobenzene-d5
Concen: 89.41 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BG044915.D
Acq: 20 Mar 2020 2:52

Tgt Ion:	82	Resp:	615594
Ion	Ratio	Lower	Upper
82	100		
128	41.3	30.6	46.0
54	49.1	37.1	55.7

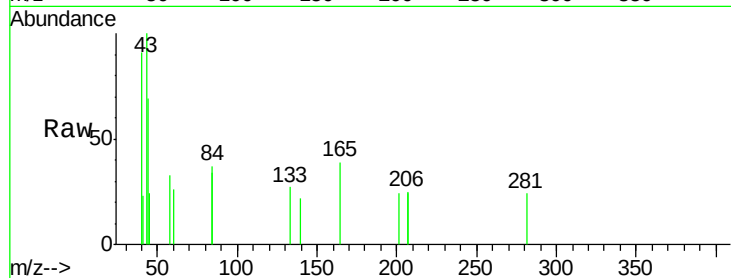




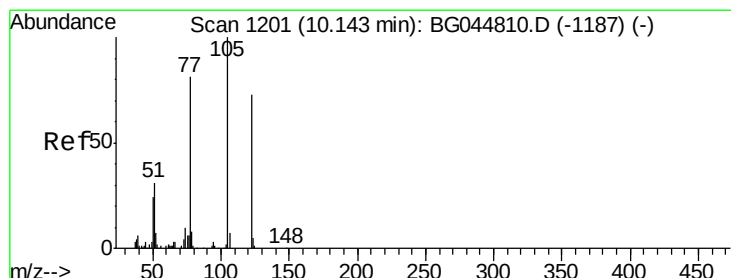
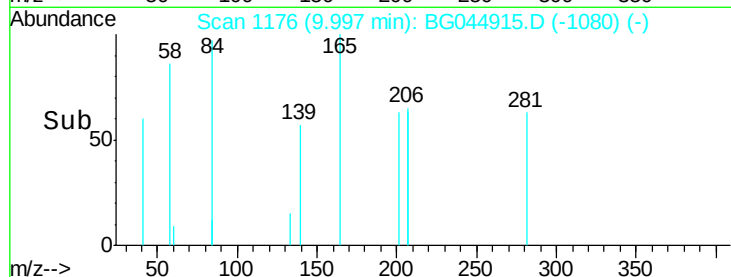
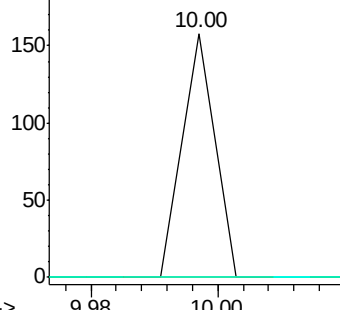
#26
2-Nitrophenol
Concen: 5.54 ng
RT: 10.00 min Scan# 1176
Delta R.T. 0.04 min
Lab File: BG044915.D
Acq: 20 Mar 2020 2:52

Instrument :
BNA_G
ClientSampleId :
J+B-2A

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

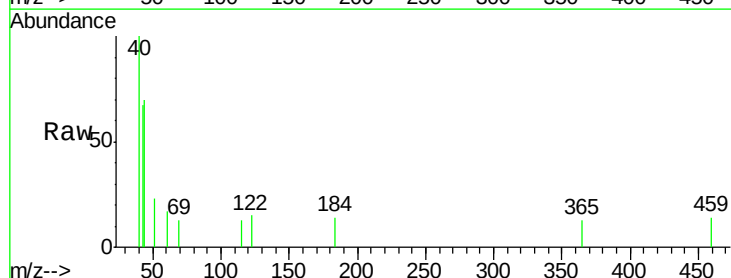


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

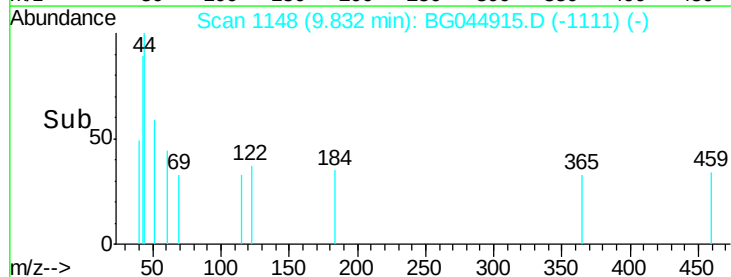
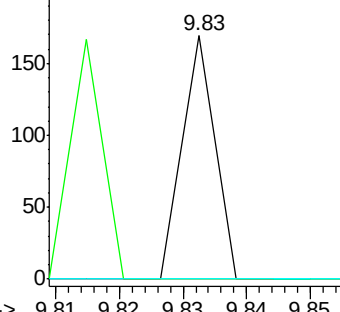


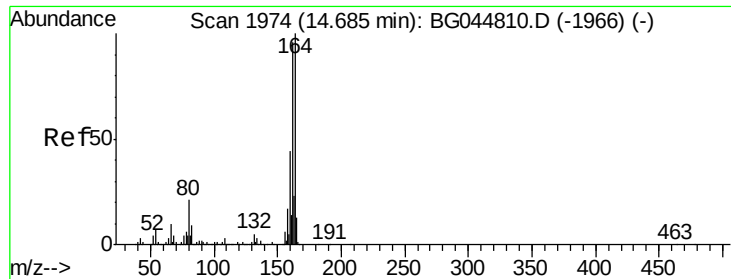
#32
Benzoic acid
Concen: 9.68 ng
RT: 9.83 min Scan# 1148
Delta R.T. -0.31 min
Lab File: BG044915.D
Acq: 20 Mar 2020 2:52

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

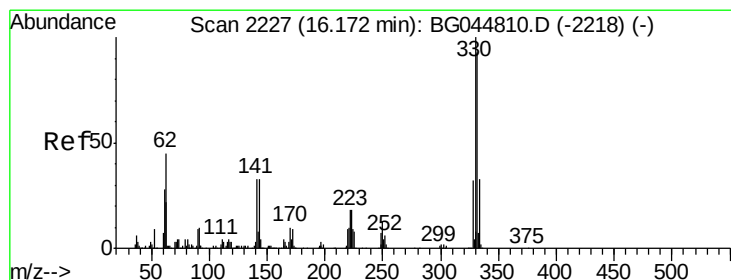
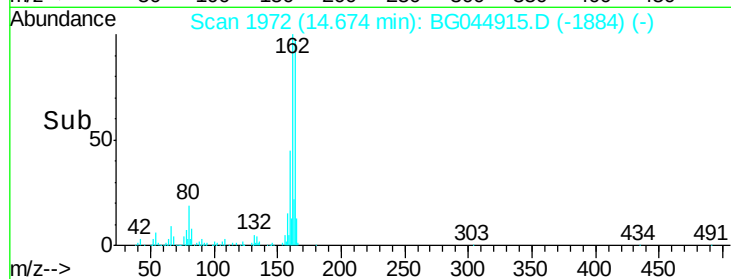
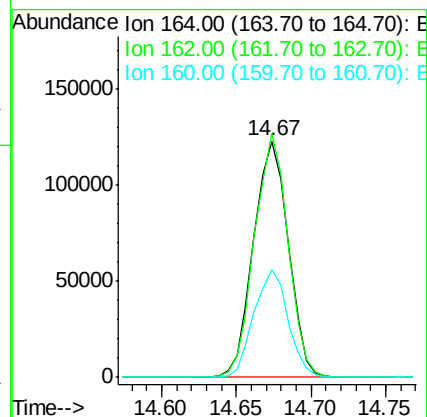
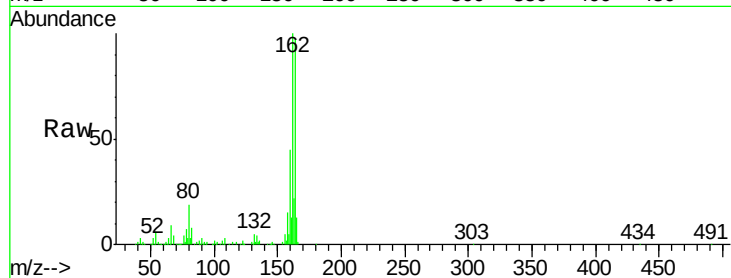




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.67 min Scan# 1972
Delta R.T. -0.01 min
Lab File: BG044915.D
Acq: 20 Mar 2020 2:52

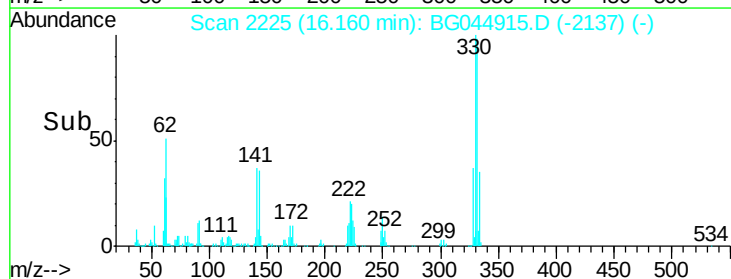
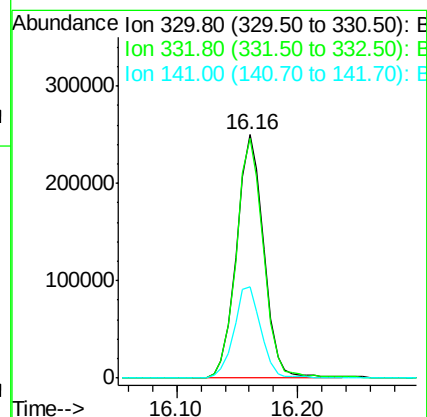
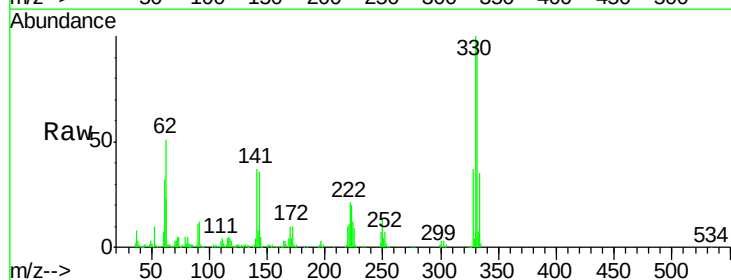
Instrument :
BNA_G
ClientSampleId :
J+B-2A

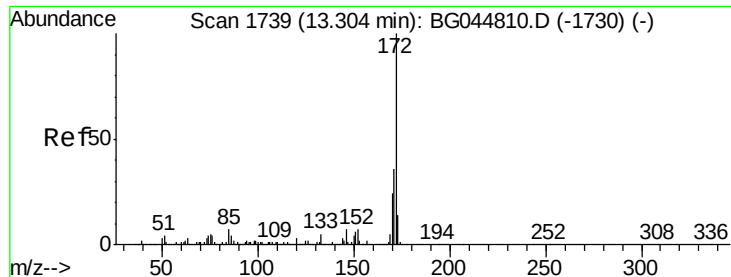
Tgt Ion:164 Resp: 197892
Ion Ratio Lower Upper
164 100
162 103.1 76.7 115.1
160 45.9 35.0 52.4



#42
2,4,6-Tribromophenol
Concen: 151.79 ng
RT: 16.16 min Scan# 2225
Delta R.T. -0.01 min
Lab File: BG044915.D
Acq: 20 Mar 2020 2:52

Tgt Ion:330 Resp: 393303
Ion Ratio Lower Upper
330 100
332 98.2 77.8 116.6
141 37.2 29.5 44.3

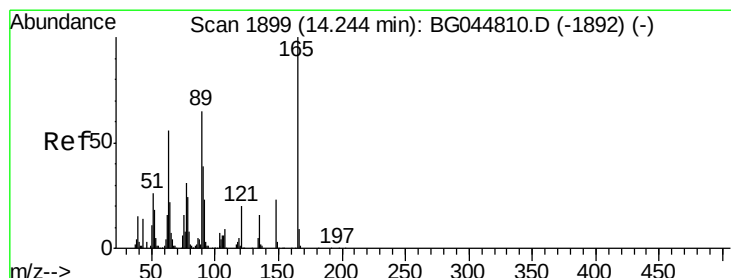
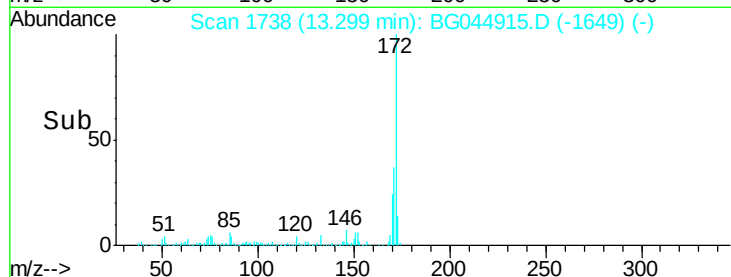
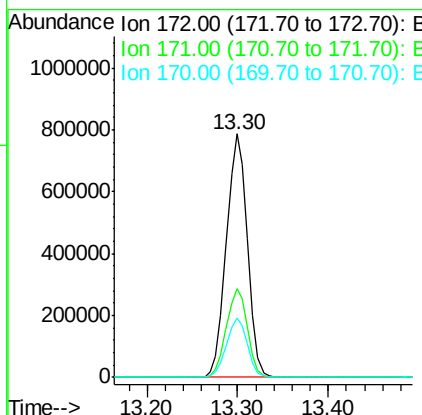
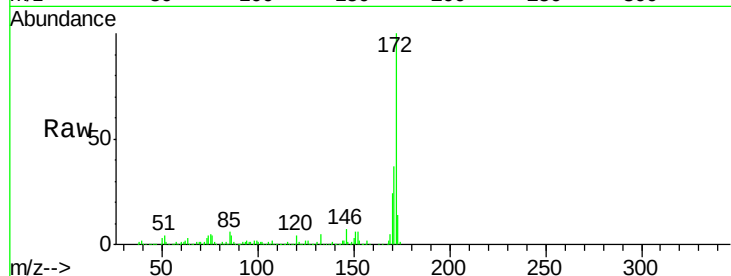




#45
2-Fluorobiphenyl
Concen: 91.34 ng
RT: 13.30 min Scan# 1738
Delta R.T. -0.01 min
Lab File: BG044915.D
Acq: 20 Mar 2020 2:52

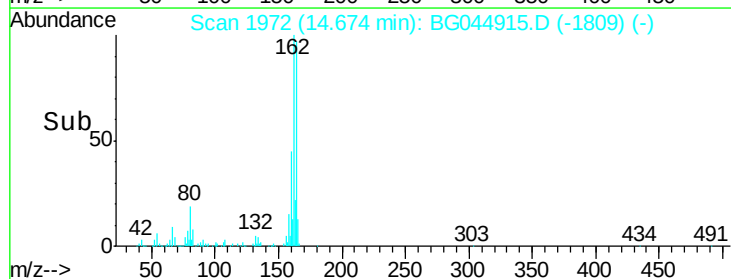
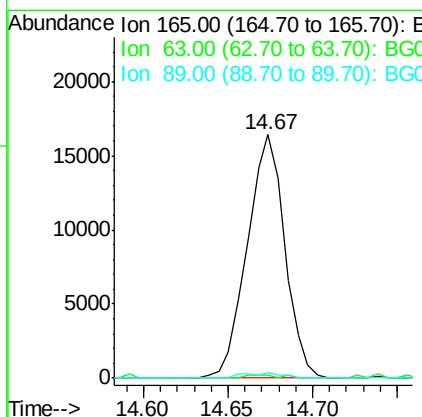
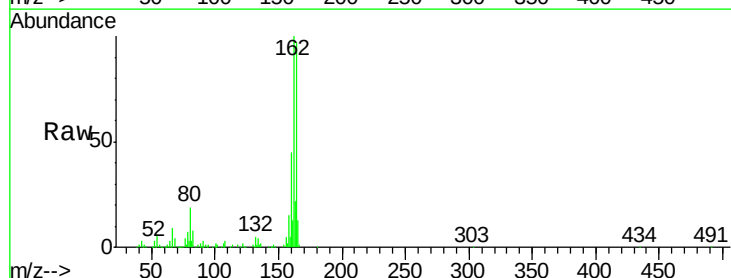
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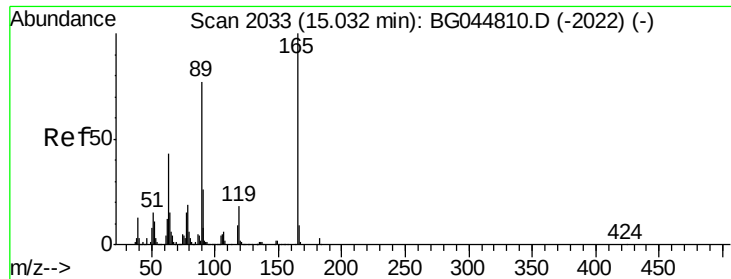
Tgt Ion:172 Resp: 1262276
Ion Ratio Lower Upper
172 100
171 36.7 28.7 43.1
170 24.1 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 7.99 ng
RT: 14.67 min Scan# 1972
Delta R.T. 0.43 min
Lab File: BG044915.D
Acq: 20 Mar 2020 2:52

Tgt Ion:165 Resp: 25389
Ion Ratio Lower Upper
165 100
63 1.1 45.8 68.8#
89 2.3 51.8 77.6#

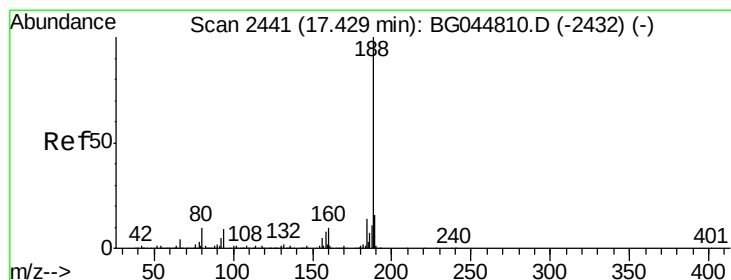
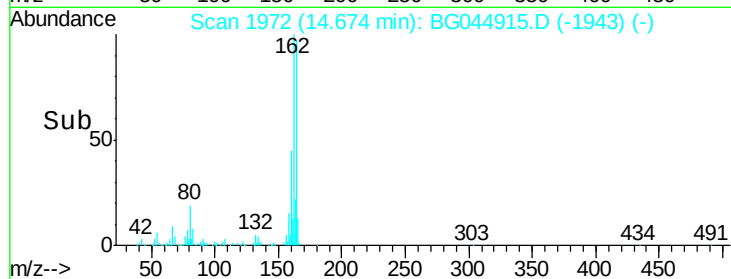
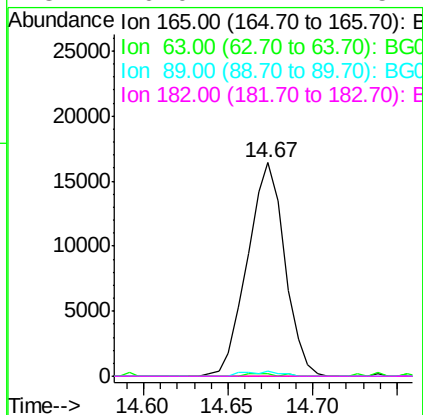
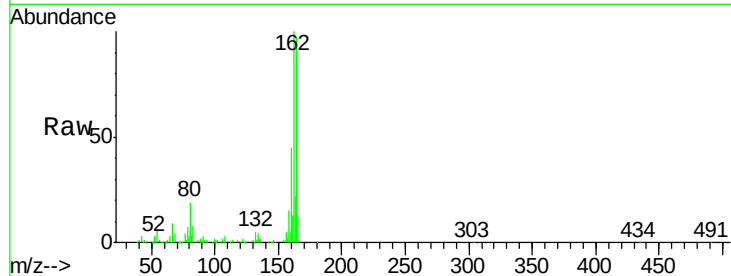




#57
 2,4-Dinitrotoluene
 Concen: 5.83 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. -0.36 min
 Lab File: BG044915.D
 Acq: 20 Mar 2020 2:52

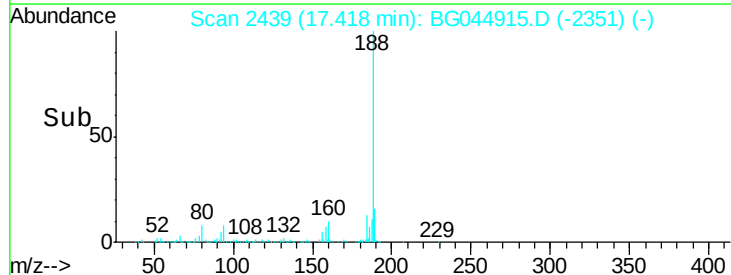
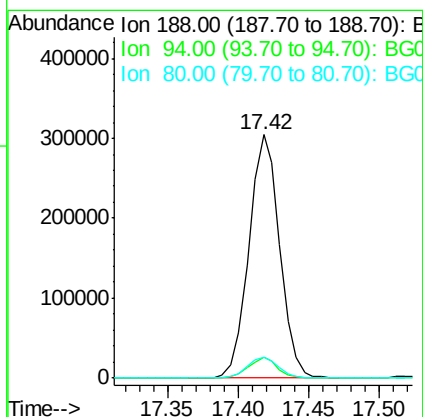
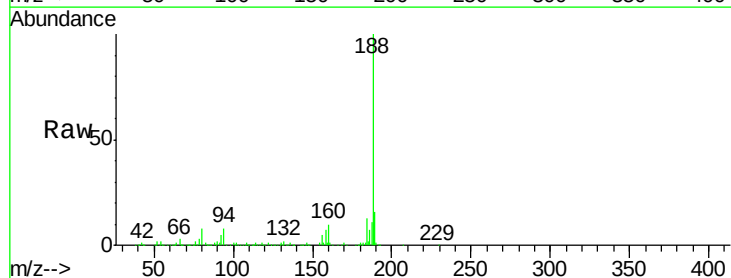
Instrument :
 BNA_G
 ClientSampleId :
 J+B-2A

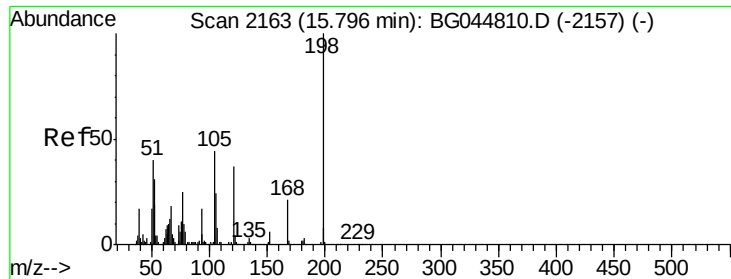
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	34.6	52.0#
89	2.3	61.3	91.9#
182	0.0	2.2	3.2#



#64
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.42 min Scan# 2439
 Delta R.T. -0.01 min
 Lab File: BG044915.D
 Acq: 20 Mar 2020 2:52

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.3	7.3	10.9
80	8.4	8.0	12.0





#65

4,6-Dinitro-2-methylphenol

Concen: 8.23 ng

RT: 16.16 min Scan# 2225

Delta R.T. 0.36 min

Lab File: BG044915.D

Acq: 20 Mar 2020 2:52

Instrument :

BNA_G

ClientSampleId :

J+B-2A

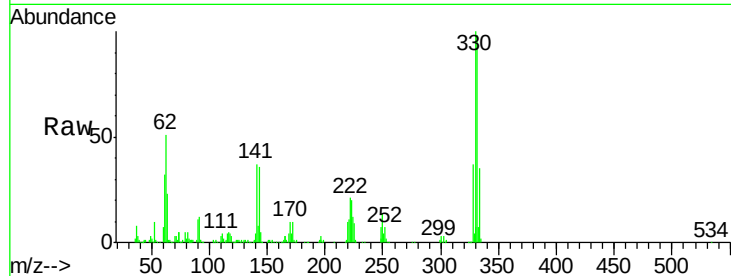
Tgt Ion:198 Resp: 1316

Ion Ratio Lower Upper

198 100

51 93.9 21.1 61.1#

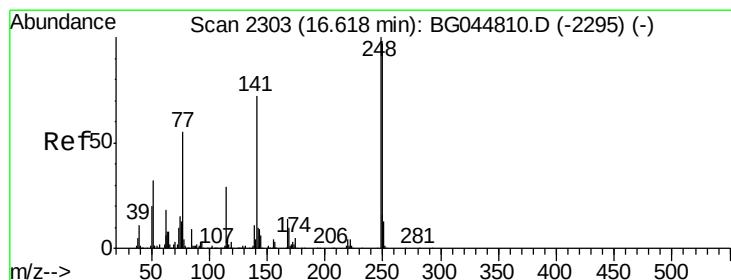
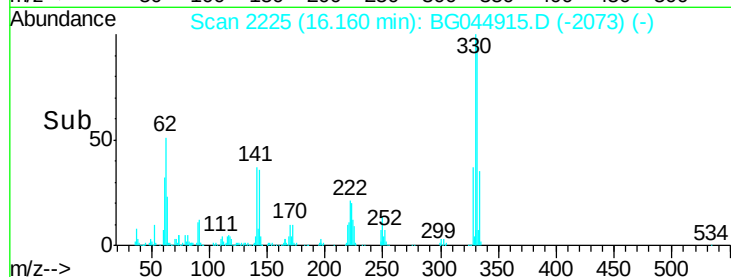
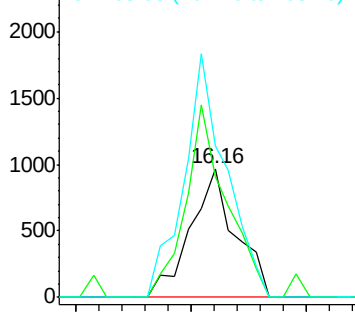
105 117.8 24.5 64.5#



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: 4.48 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.46 min

Lab File: BG044915.D

Acq: 20 Mar 2020 2:52

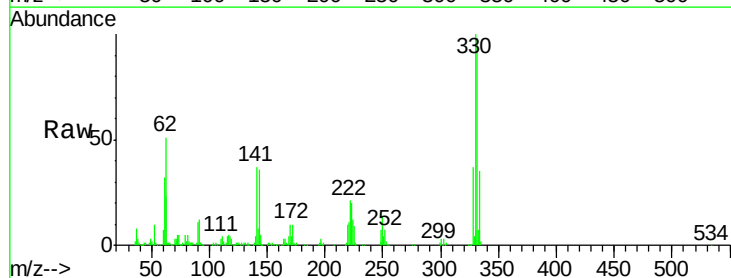
Tgt Ion:248 Resp: 26026

Ion Ratio Lower Upper

248 100

250 203.6 77.9 116.9#

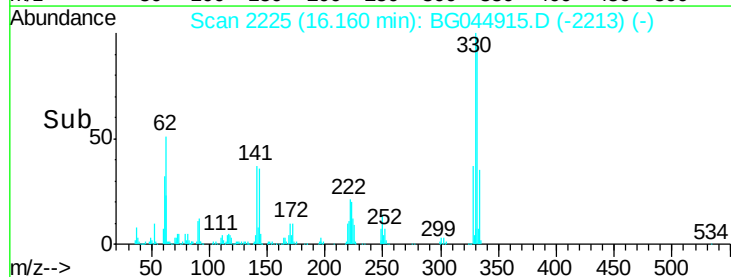
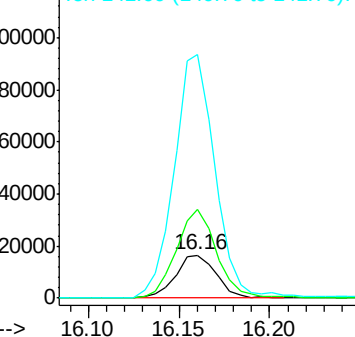
141 562.5 57.5 86.3#

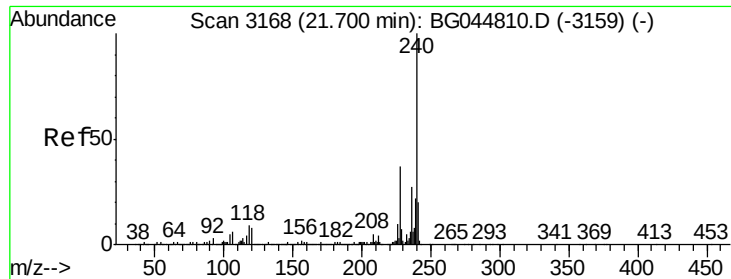


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

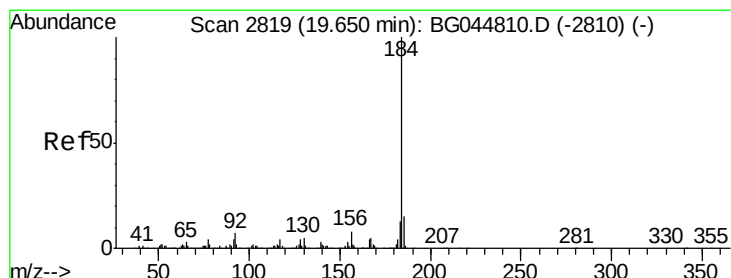
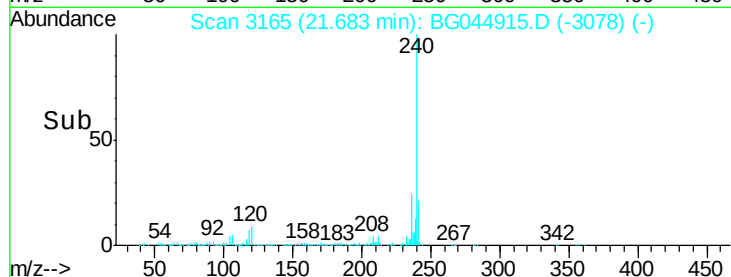
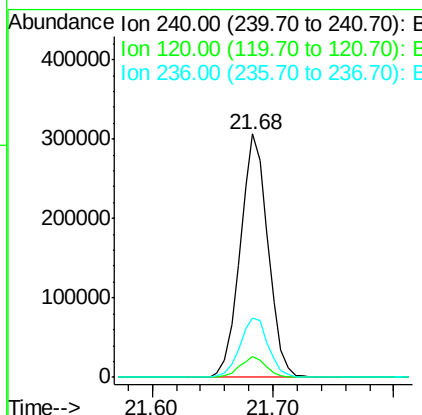
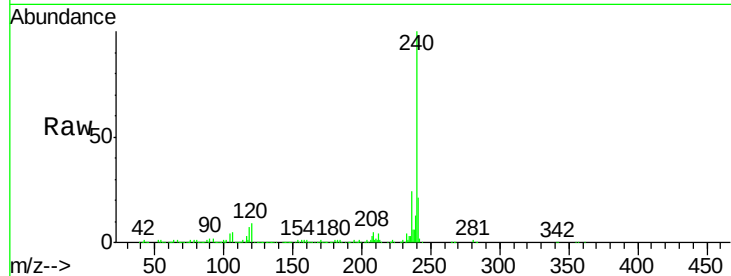




#76
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.68 min Scan# 3165
 Delta R.T. -0.02 min
 Lab File: BG044915.D
 Acq: 20 Mar 2020 2:52

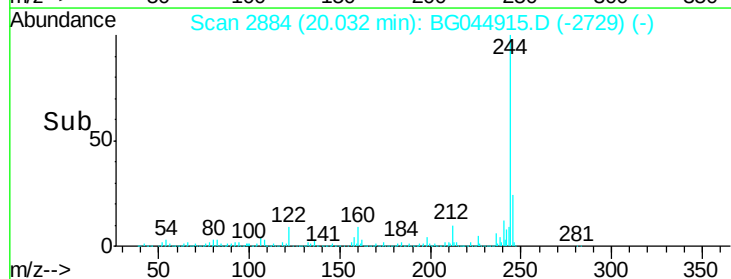
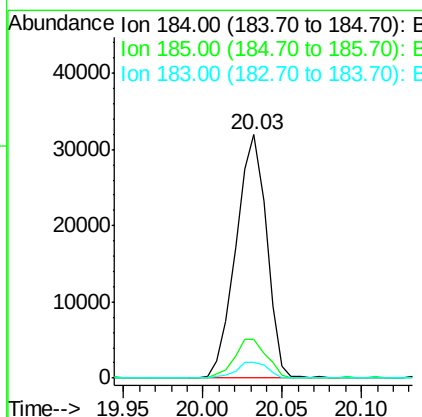
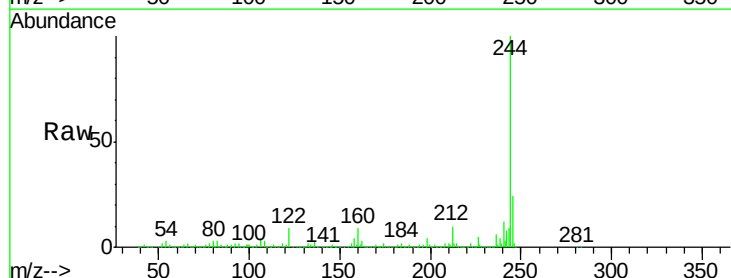
Instrument :
 BNA_G
 ClientSampleId :
 J+B-2A

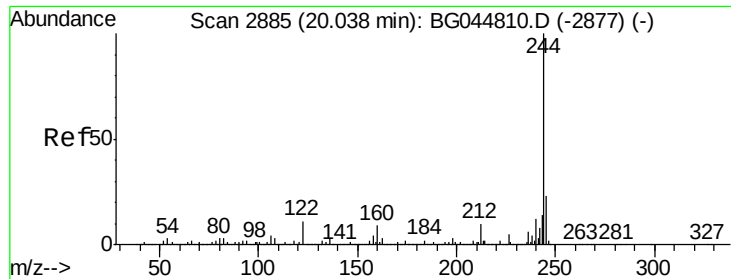
Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.7	6.7	10.1
236	24.3	21.5	32.3



#77
 Benzidine
 Concen: 2.69 ng
 RT: 20.03 min Scan# 2884
 Delta R.T. 0.38 min
 Lab File: BG044915.D
 Acq: 20 Mar 2020 2:52

Tgt Ion	Ratio	Lower	Upper
184	100		
185	16.0	12.2	18.4
183	6.6	10.7	16.1#





#79

Terphenyl-d14

Concen: 82.12 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG044915.D

Acq: 20 Mar 2020 2:52

Instrument :

BNA_G

ClientSampleId :

J+B-2A

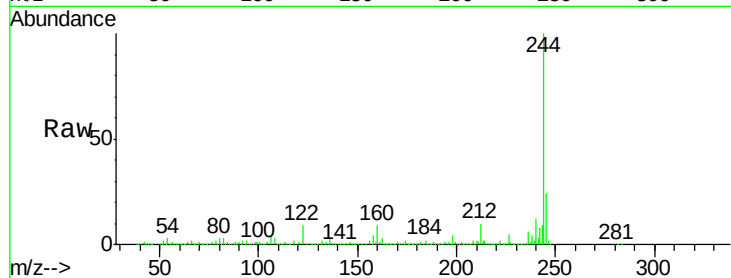
Tgt Ion:244 Resp: 2151433

Ion Ratio Lower Upper

244 100

212 9.9 7.7 11.5

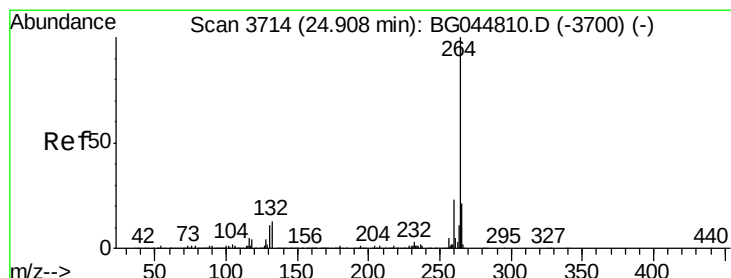
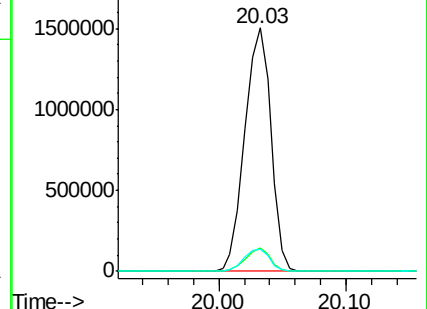
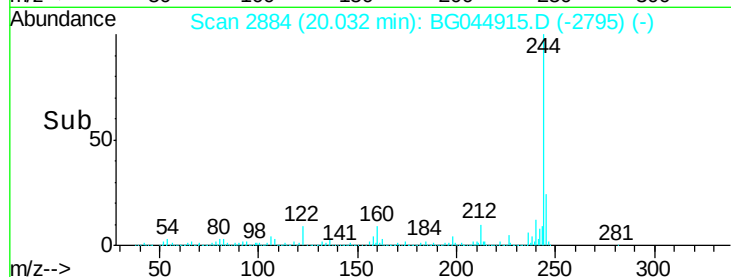
122 9.2 8.6 12.8



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

Perylene-d12

Concen: 20.00 ng

RT: 24.89 min Scan# 3710

Delta R.T. -0.02 min

Lab File: BG044915.D

Acq: 20 Mar 2020 2:52

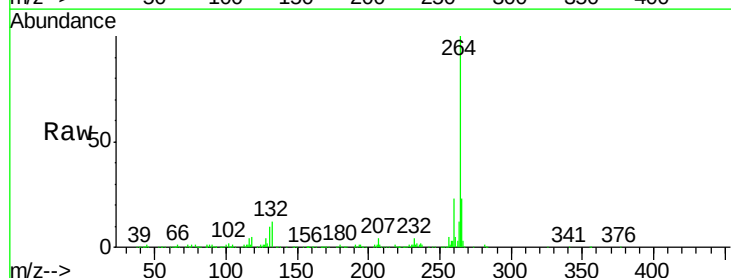
Tgt Ion:264 Resp: 513394

Ion Ratio Lower Upper

264 100

260 22.5 18.1 27.1

265 22.7 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

