

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031320\
 Data File : BG044805.D
 Acq On : 14 Mar 2020 21:40
 Operator : CG/JU
 Sample : L1893-04
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-1-SA

Quant Time: Mar 16 01:39:02 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 10 16:27:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	108373	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	442145	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	290109	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	605201	20.00	ng	0.00
76) Chrysene-d12	21.70	240	521267	20.00	ng	-0.01
87) Perylene-d12	24.91	264	584450	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	736906	105.85	ng	0.00
7) Phenol-d6	7.21	99	952567	94.17	ng	0.00
23) Nitrobenzene-d5	9.21	82	811791	80.57	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	475345	125.14	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1694641	83.65	ng	0.00
79) Terphenyl-d14	20.04	244	2368777	85.00	ng	0.00

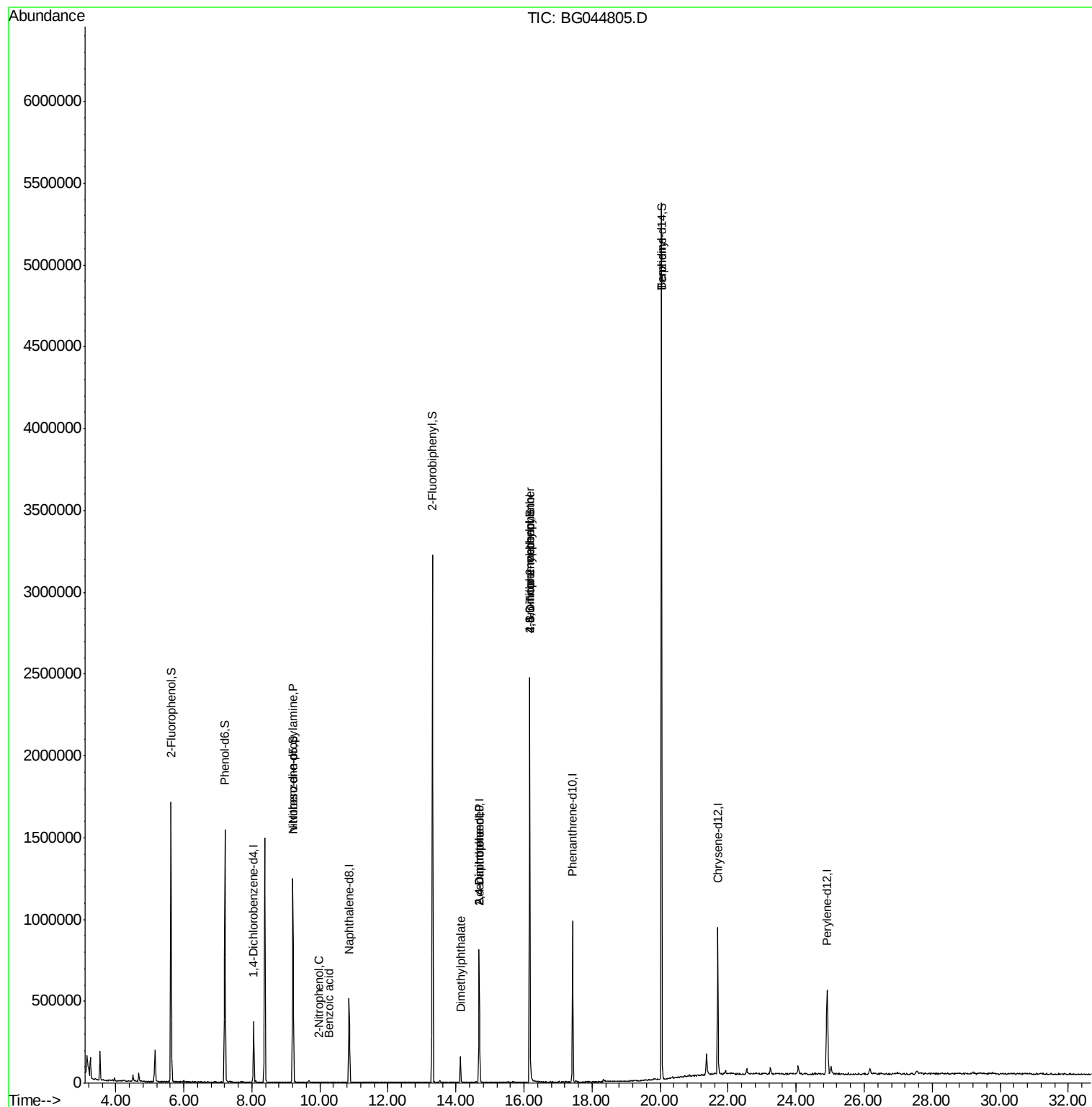
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.20	77	2679	Below Cal	#	6
19) n-Nitroso-di-n-propylamine	9.21	70	109574	15.34	ng	77
26) 2-Nitrophenol	9.98	139	69	5.53	ng	28
32) Benzoic acid	10.27	122	56	9.68	ng	1
50) Dimethylphthalate	14.13	163	103682	4.49	ng	98
54) 2,4-Dinitrophenol	14.68	184	69	8.35	ng	1
57) 2,4-Dinitrotoluene	14.68	165	39249	6.14	ng	18
65) 4,6-Dinitro-2-methylphenol	16.17	198	1911	8.29	ng	1
67) 4-Bromophenyl-phenylether	16.17	248	32497	4.30	ng	1
77) Benzidine	20.04	184	48542	2.87	ng	90

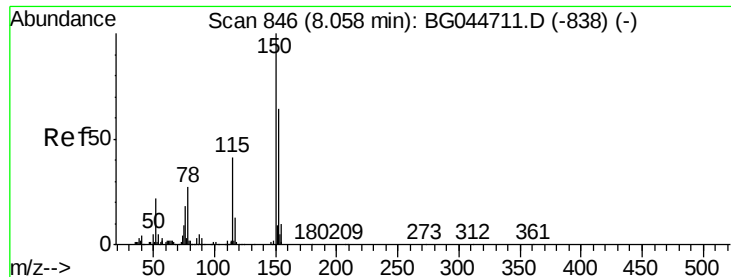
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031320\
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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.05 min Scan# 844

Delta R.T. -0.01 min

Lab File: BG044805.D

Acq: 14 Mar 2020 21:40

Instrument :

BNA_G

ClientSampleId :

TP-1-SA

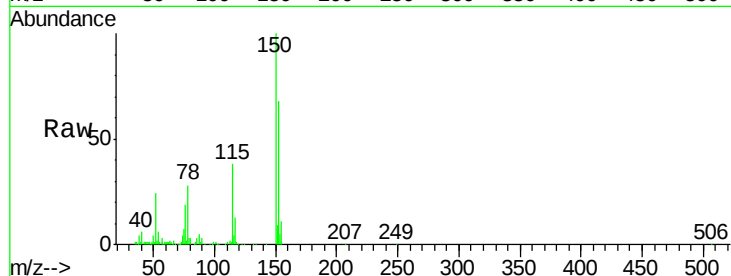
Tgt Ion:152 Resp: 108373

Ion Ratio Lower Upper

152 100

150 147.8 125.3 187.9

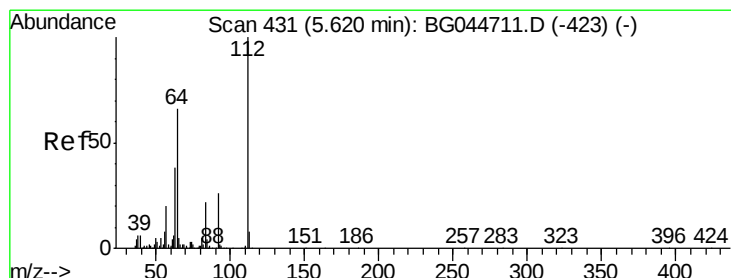
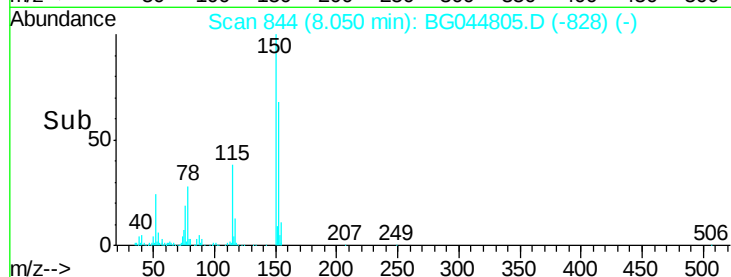
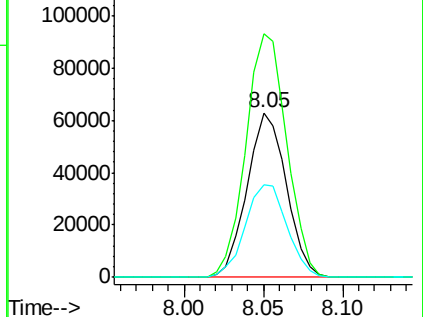
115 56.6 51.7 77.5



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: 105.85 ng

RT: 5.62 min Scan# 431

Delta R.T. 0.00 min

Lab File: BG044805.D

Acq: 14 Mar 2020 21:40

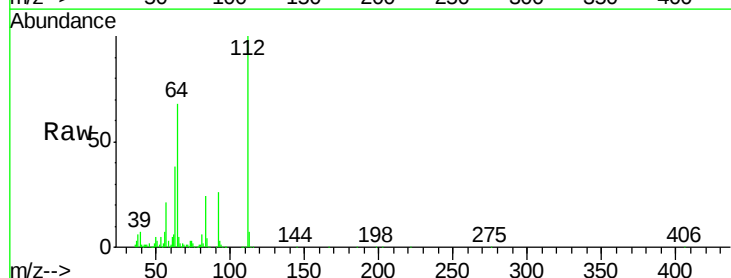
Tgt Ion:112 Resp: 736906

Ion Ratio Lower Upper

112 100

64 68.2 52.6 78.8

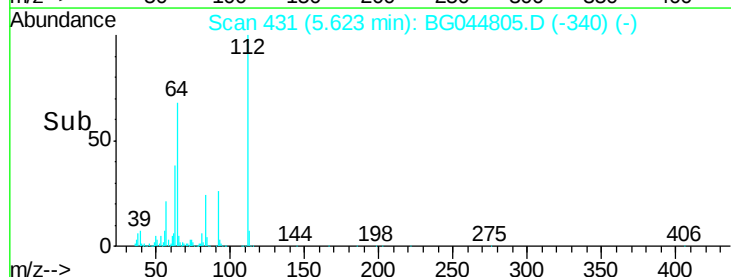
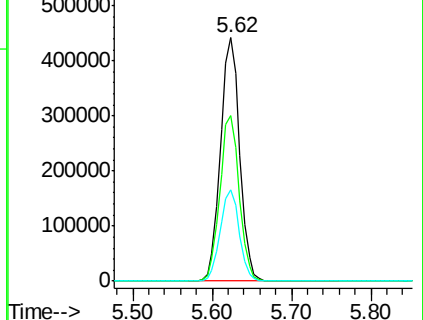
63 37.8 30.2 45.4

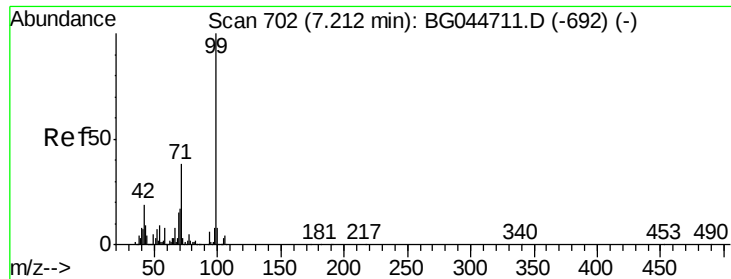


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 94.17 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG044805.D

Acq: 14 Mar 2020 21:40

Instrument :

BNA_G

ClientSampleId :

TP-1-SA

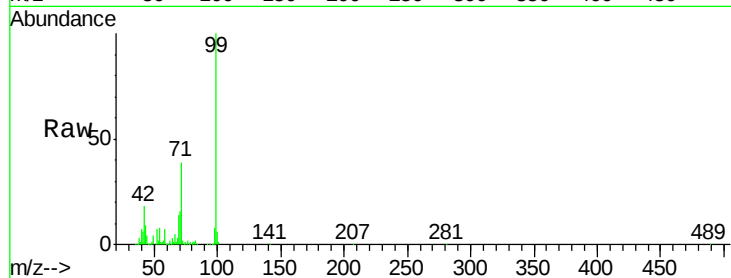
Tgt Ion: 99 Resp: 952567

Ion Ratio Lower Upper

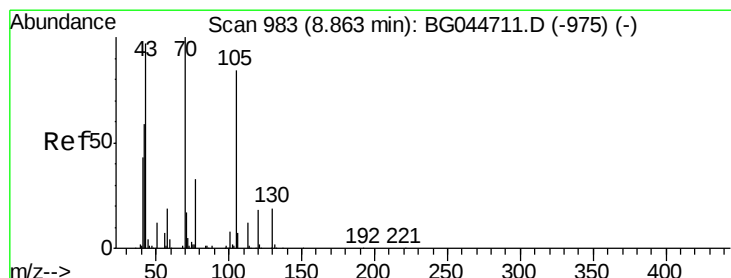
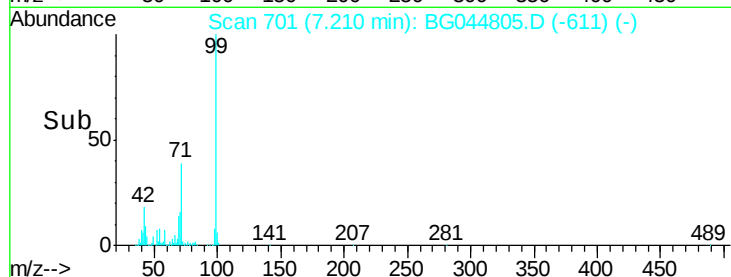
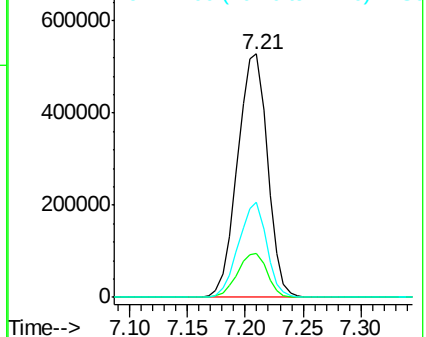
99 100

42 18.0 15.4 23.0

71 39.0 30.2 45.4



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: 15.34 ng

RT: 9.21 min Scan# 1041

Delta R.T. 0.34 min

Lab File: BG044805.D

Acq: 14 Mar 2020 21:40

Tgt Ion: 70 Resp: 109574

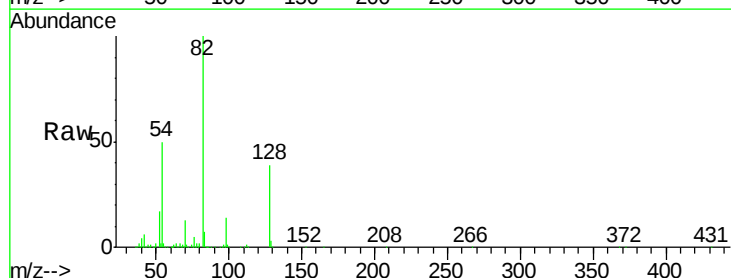
Ion Ratio Lower Upper

70 100

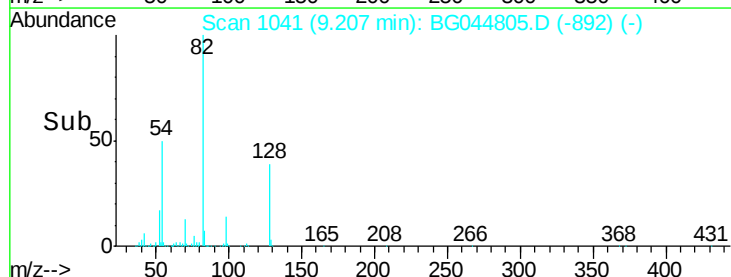
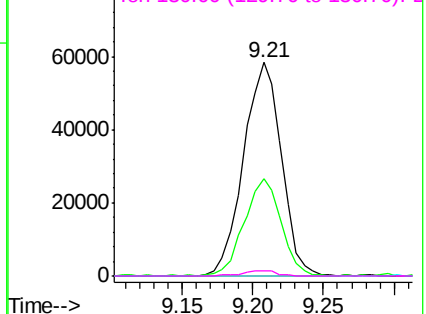
42 45.6 47.6 71.4#

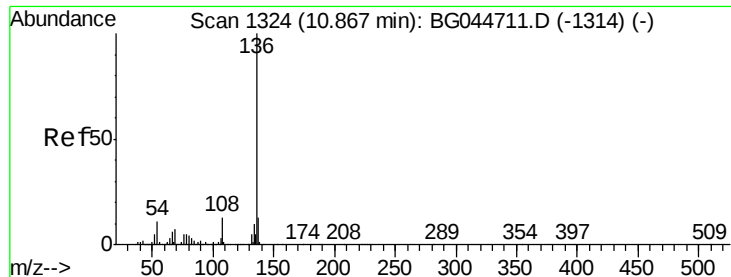
101 0.0 6.5 9.7#

130 2.5 15.0 22.4#



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

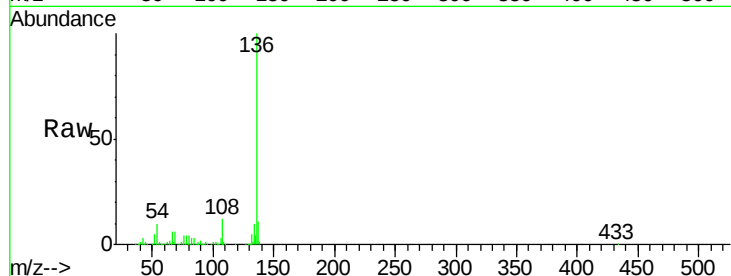




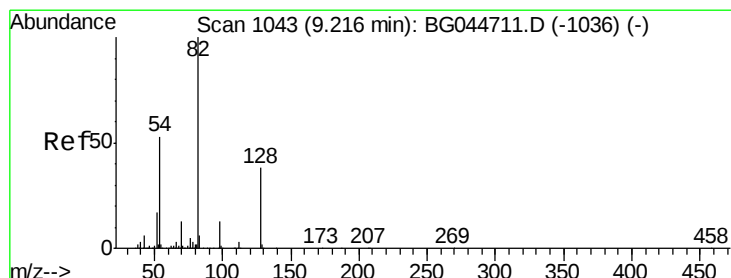
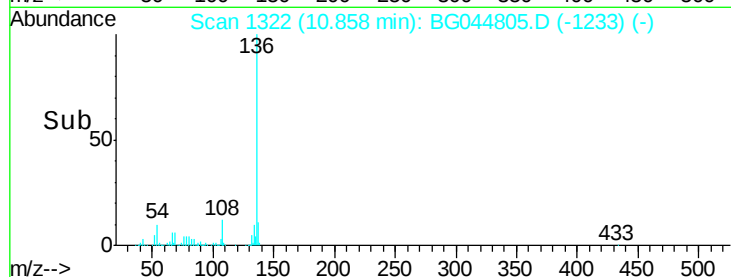
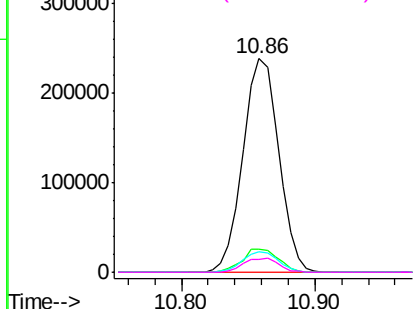
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BG044805.D
Acq: 14 Mar 2020 21:40

Instrument :
BNA_G
ClientSampleId :
TP-1-SA

Tgt Ion:	136	Resp:	442145
Ion	Ratio	Lower	Upper
136	100		
137	10.8	10.7	16.1
54	9.7	9.0	13.4
68	6.1	5.9	8.9

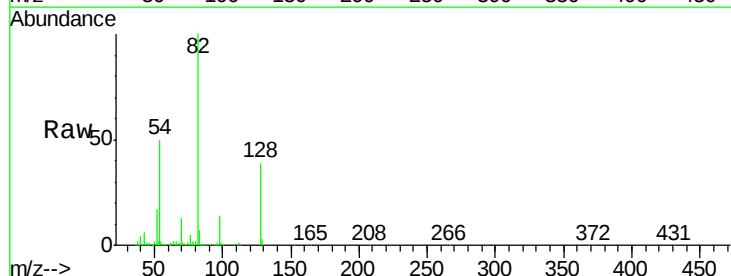


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

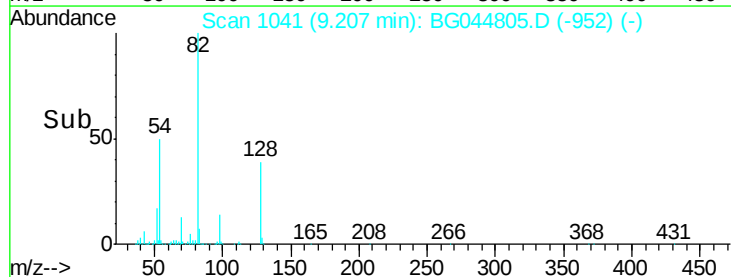
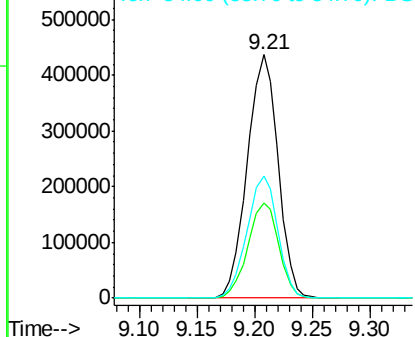


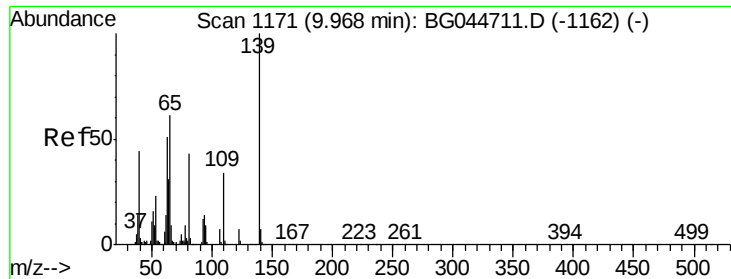
#23
Nitrobenzene-d5
Concen: 80.57 ng
RT: 9.21 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BG044805.D
Acq: 14 Mar 2020 21:40

Tgt Ion:	82	Resp:	811791
Ion	Ratio	Lower	Upper
82	100		
128	39.1	30.2	45.2
54	50.0	41.8	62.8



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

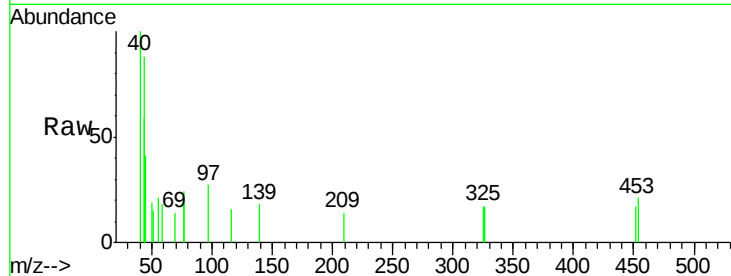




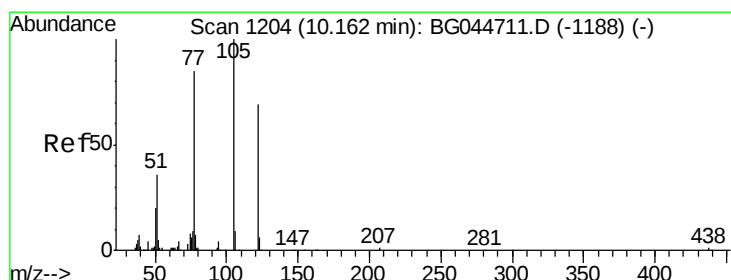
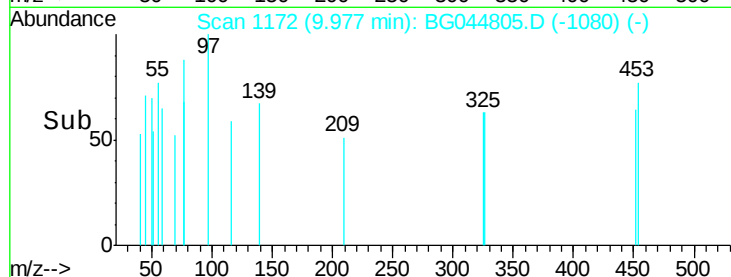
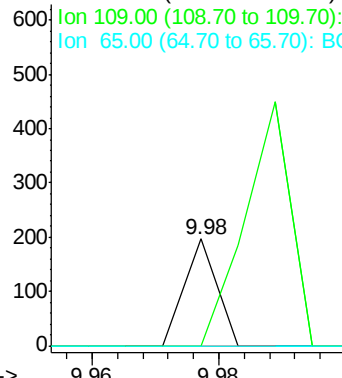
#26
2-Nitrophenol
Concen: 5.53 ng
RT: 9.98 min Scan# 1172
Delta R.T. 0.01 min
Lab File: BG044805.D
Acq: 14 Mar 2020 21:40

Instrument :
BNA_G
ClientSampleId :
TP-1-SA

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	27.0	40.4#
65	0.0	48.6	73.0#

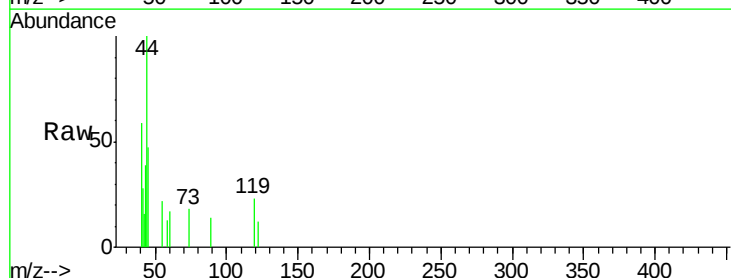


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

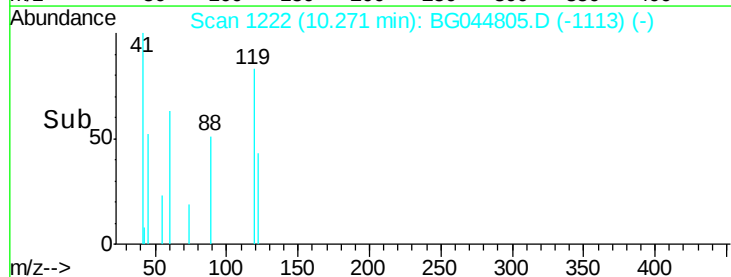
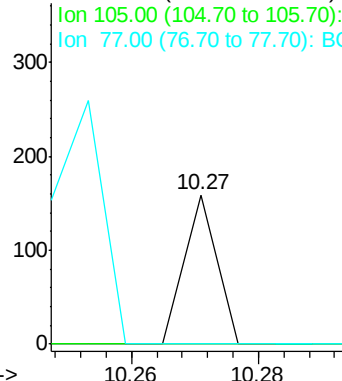


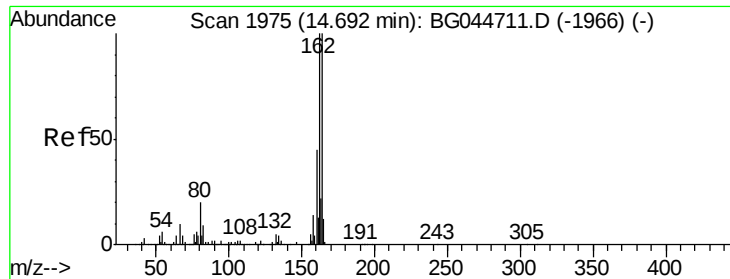
#32
Benzoic acid
Concen: 9.68 ng
RT: 10.27 min Scan# 1222
Delta R.T. 0.11 min
Lab File: BG044805.D
Acq: 14 Mar 2020 21:40

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	119.0	159.0#
77	0.0	96.4	136.4#



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: 14.68 min Scan# 1973

Delta R.T. -0.01 min

Lab File: BG044805.D

Acq: 14 Mar 2020 21:40

Instrument :

BNA_G

ClientSampleId :

TP-1-SA

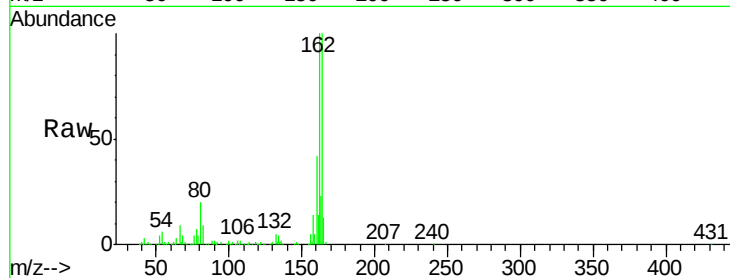
Tgt Ion:164 Resp: 290109

Ion Ratio Lower Upper

164 100

162 99.5 80.2 120.4

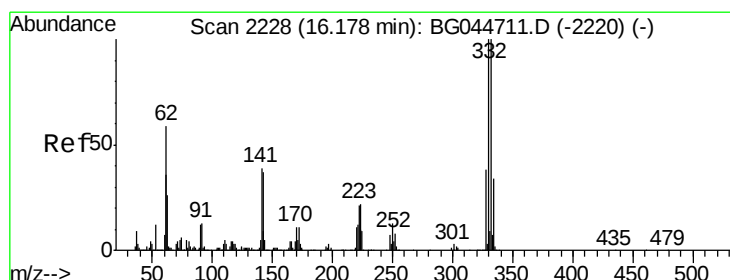
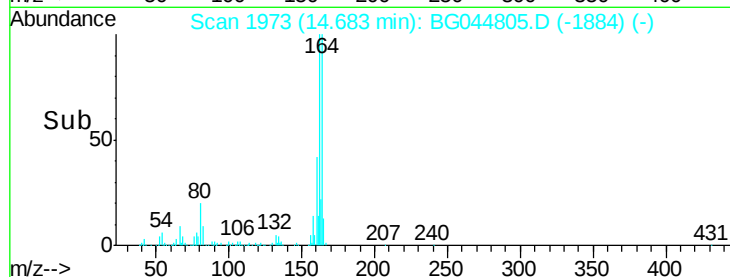
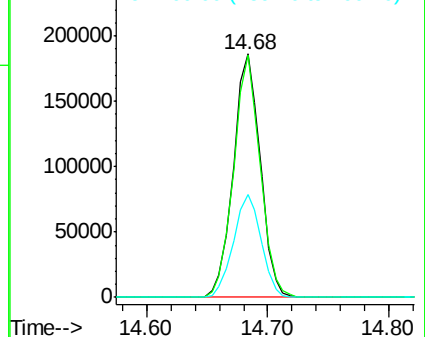
160 42.2 36.2 54.2



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: 125.14 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BG044805.D

Acq: 14 Mar 2020 21:40

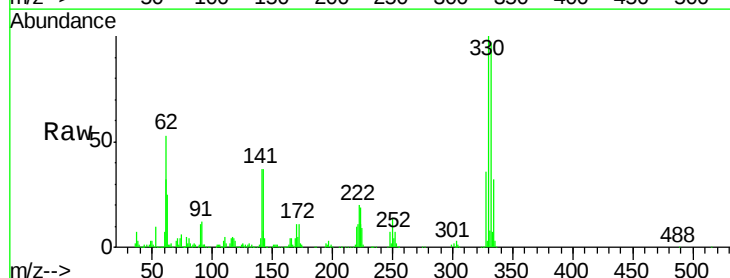
Tgt Ion:330 Resp: 475345

Ion Ratio Lower Upper

330 100

332 95.5 77.5 116.3

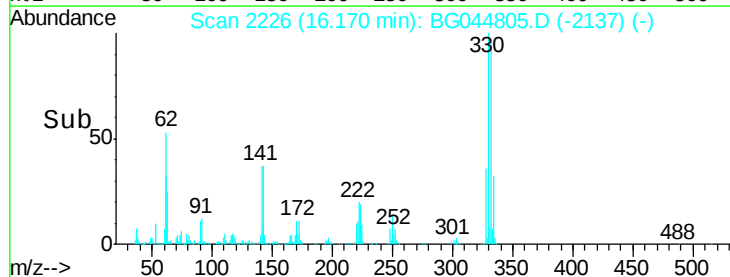
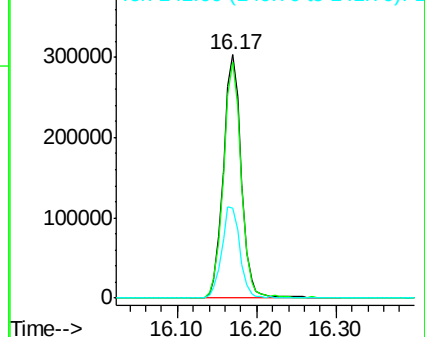
141 38.2 31.7 47.5

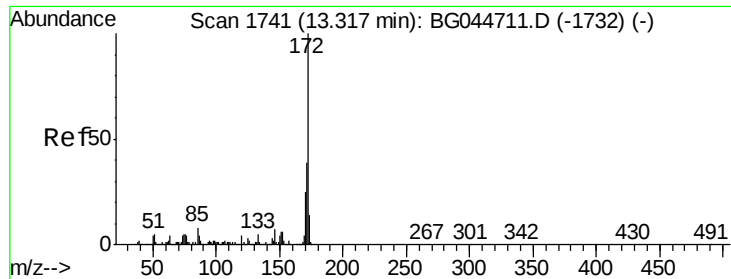


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 83.65 ng

RT: 13.31 min Scan# 1739

Delta R.T. -0.01 min

Lab File: BG044805.D

Acq: 14 Mar 2020 21:40

Instrument :

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TP-1-SA

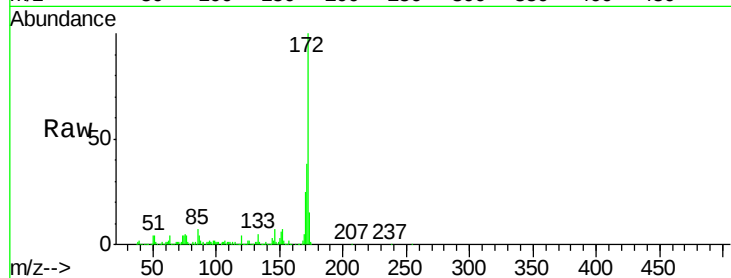
Tgt Ion:172 Resp: 1694641

Ion Ratio Lower Upper

172 100

171 38.5 30.8 46.2

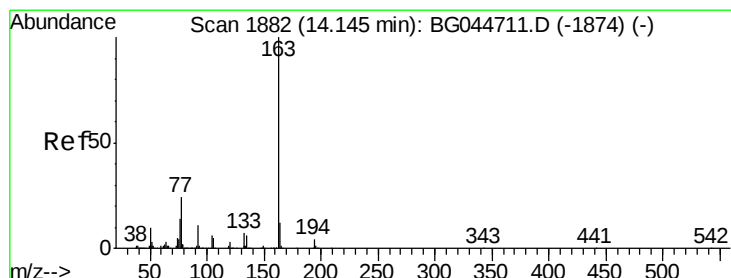
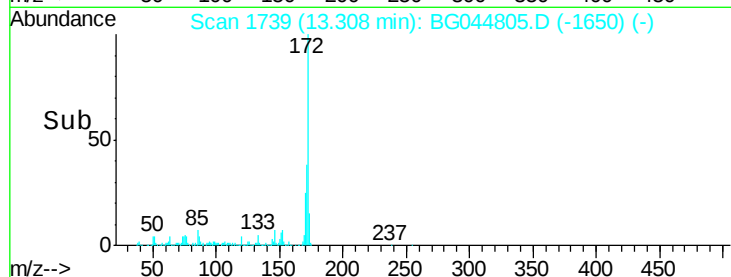
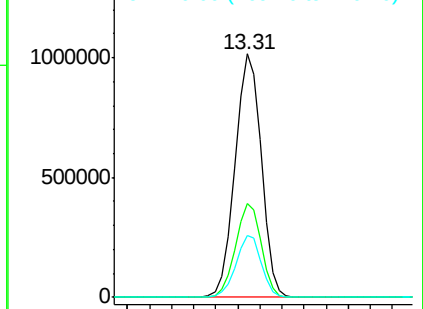
170 25.4 20.0 30.0



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: 4.49 ng

RT: 14.13 min Scan# 1879

Delta R.T. -0.01 min

Lab File: BG044805.D

Acq: 14 Mar 2020 21:40

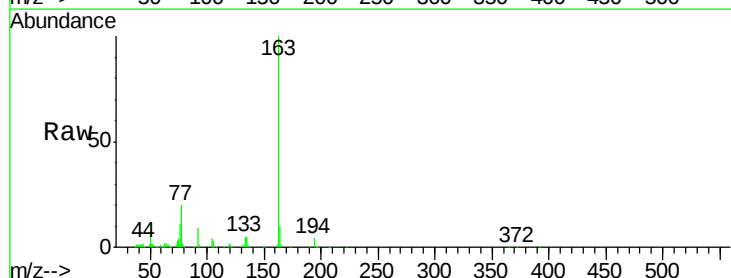
Tgt Ion:163 Resp: 103682

Ion Ratio Lower Upper

163 100

194 3.8 3.5 5.3

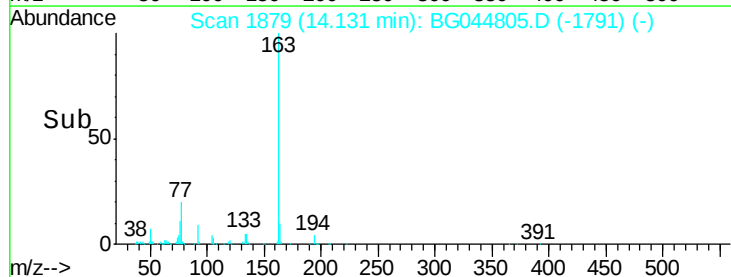
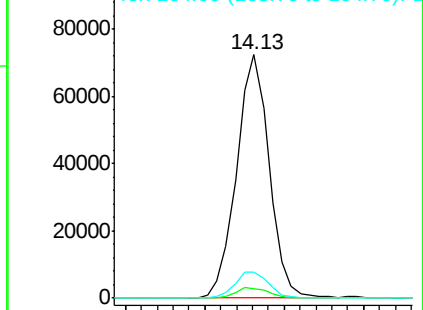
164 10.5 9.2 13.8

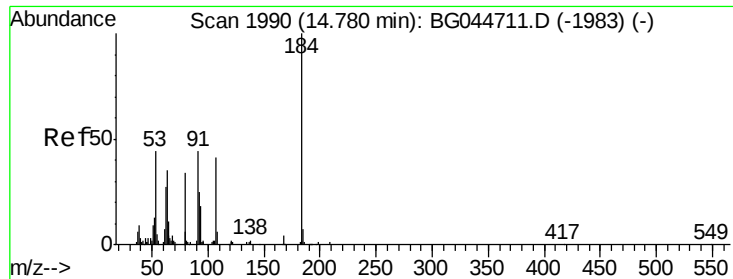


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

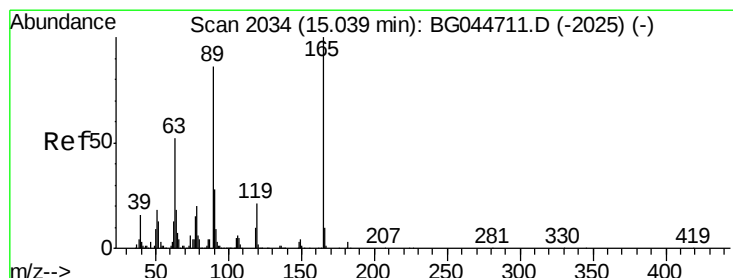
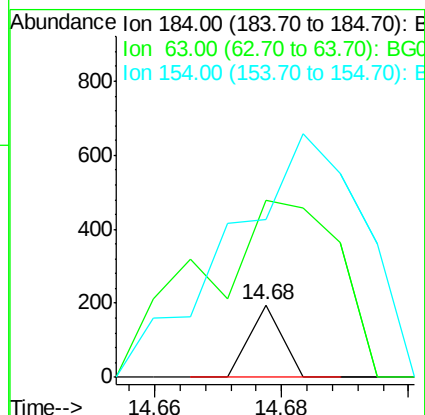
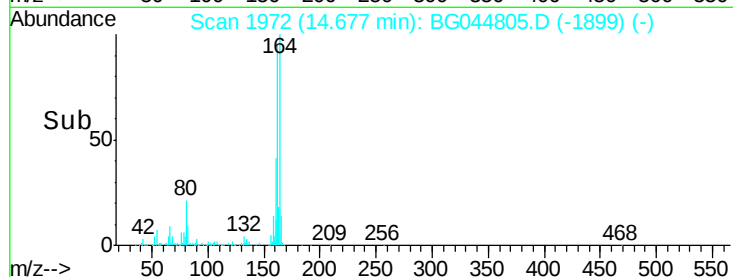
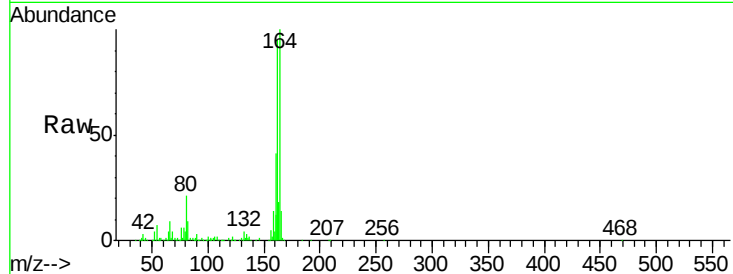




#54
2,4-Dinitrophenol
Concen: 8.35 ng
RT: 14.68 min Scan# 1972
Delta R.T. -0.10 min
Lab File: BG044805.D
Acq: 14 Mar 2020 21:40

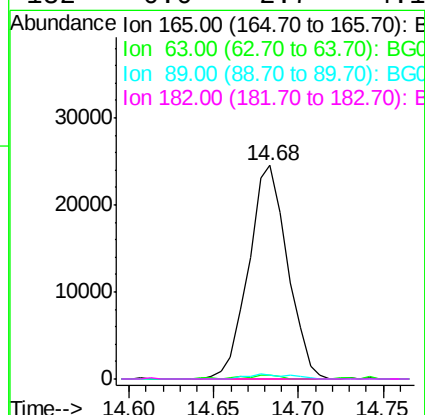
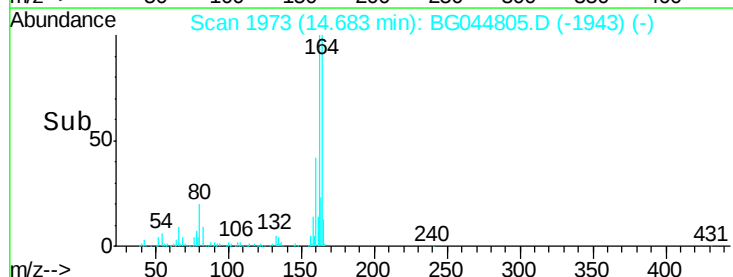
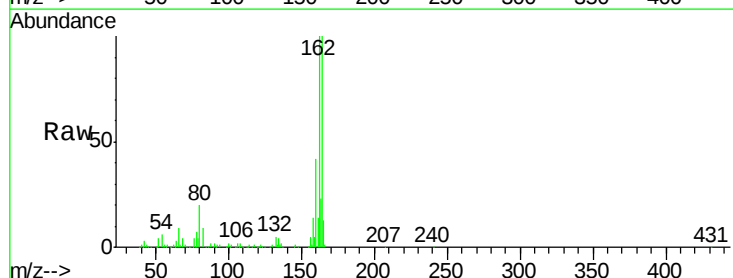
Instrument :
BNA_G
ClientSampleId :
TP-1-SA

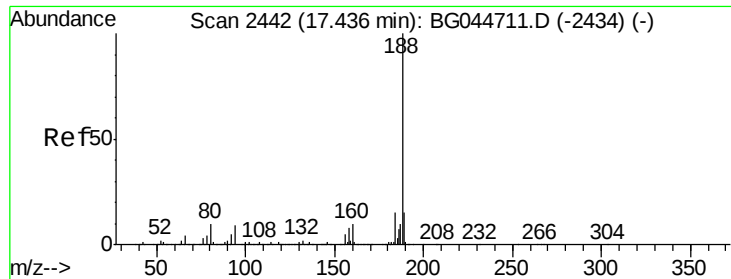
Tgt Ion:184 Resp: 69
Ion Ratio Lower Upper
184 100
63 244.4 49.0 73.6#
154 217.3 94.5 141.7#



#57
2,4-Dinitrotoluene
Concen: 6.14 ng
RT: 14.68 min Scan# 1973
Delta R.T. -0.36 min
Lab File: BG044805.D
Acq: 14 Mar 2020 21:40

Tgt Ion:165 Resp: 39249
Ion Ratio Lower Upper
165 100
63 1.9 41.5 62.3#
89 2.0 69.0 103.4#
182 0.0 2.7 4.1#





#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.43 min Scan# 2440

Delta R.T. -0.01 min

Lab File: BG044805.D

Acq: 14 Mar 2020 21:40

Instrument :

BNA_G

ClientSampled :

TP-1-SA

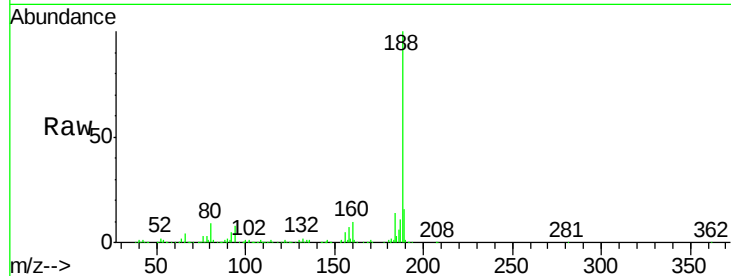
Tgt Ion:188 Resp: 605201

Ion Ratio Lower Upper

188 100

94 8.4 7.0 10.6

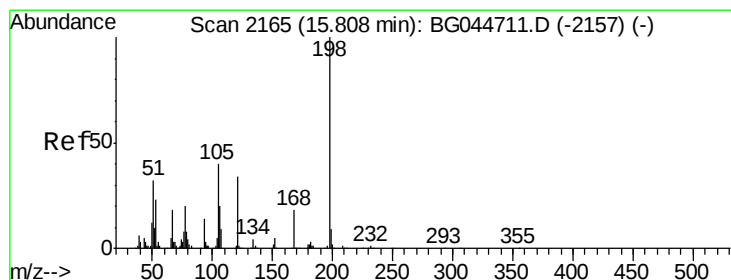
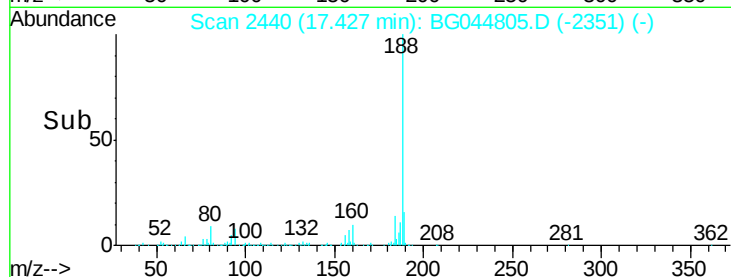
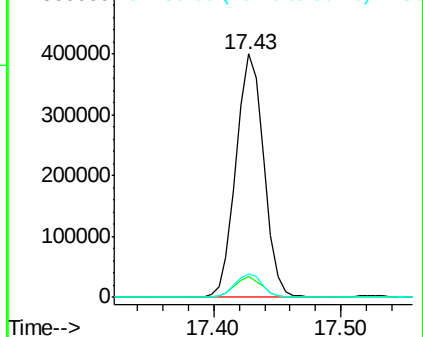
80 9.4 8.4 12.6



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: 8.29 ng

RT: 16.17 min Scan# 2226

Delta R.T. 0.36 min

Lab File: BG044805.D

Acq: 14 Mar 2020 21:40

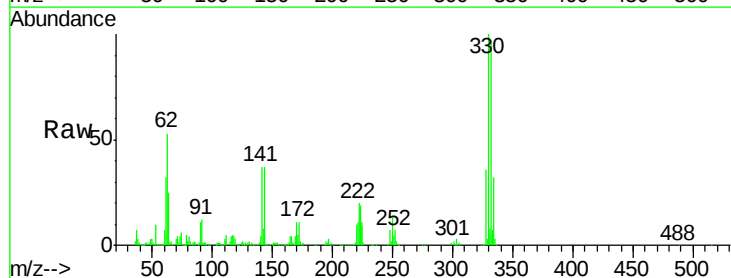
Tgt Ion:198 Resp: 1911

Ion Ratio Lower Upper

198 100

51 122.7 20.1 60.1#

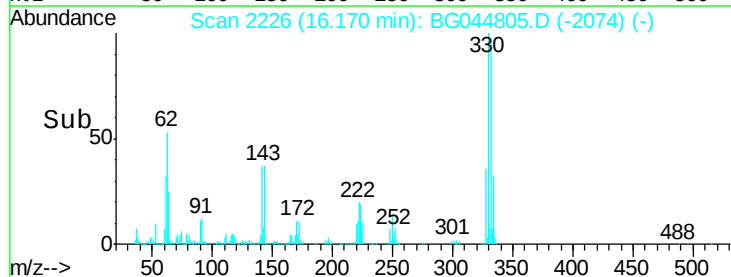
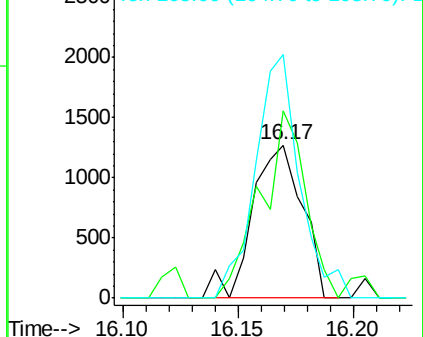
105 159.4 21.3 61.3#

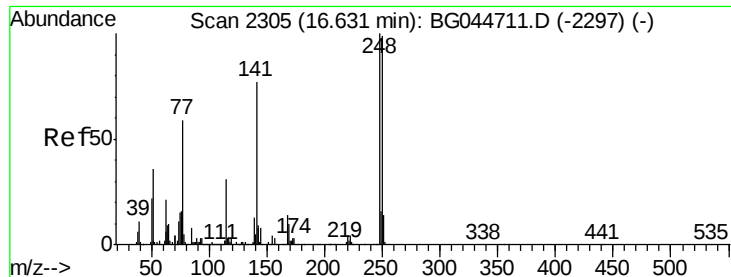


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

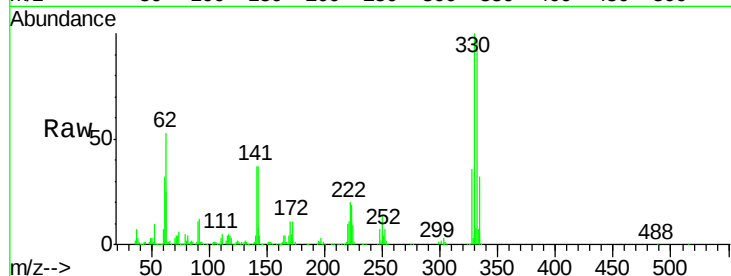




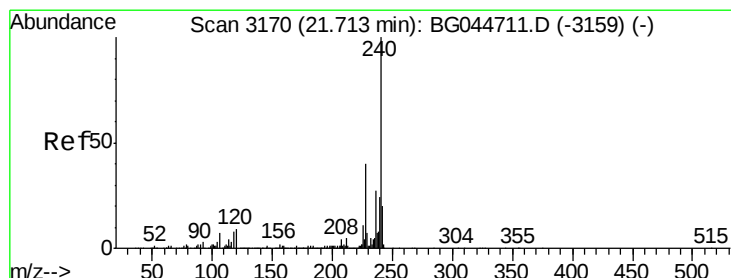
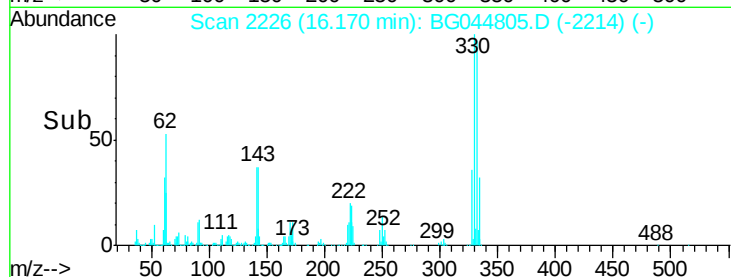
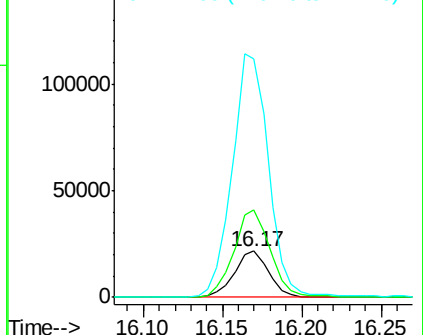
#67
 4-Bromophenyl-phenylether
 Concen: 4.30 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. -0.46 min
 Lab File: BG044805.D
 Acq: 14 Mar 2020 21:40

Instrument :
 BNA_G
 ClientSampleId :
 TP-1-SA

Tgt Ion:248 Resp: 32497
 Ion Ratio Lower Upper
 248 100
 250 191.2 79.4 119.0#
 141 518.8 61.7 92.5#

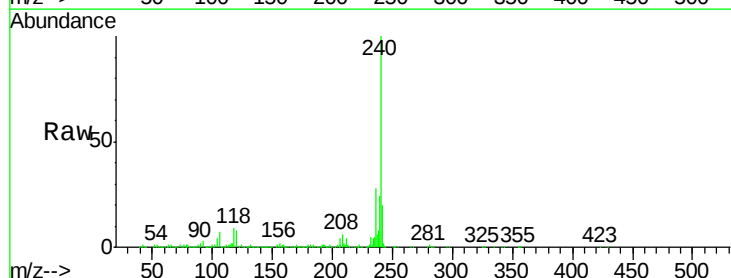


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

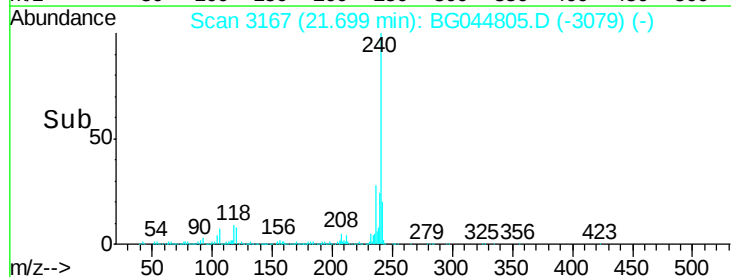
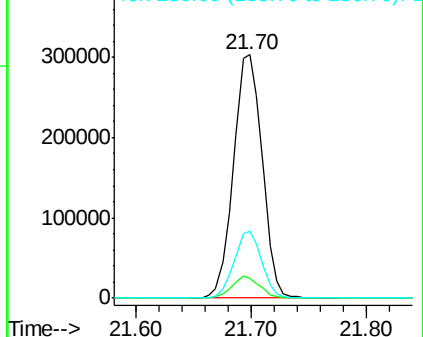


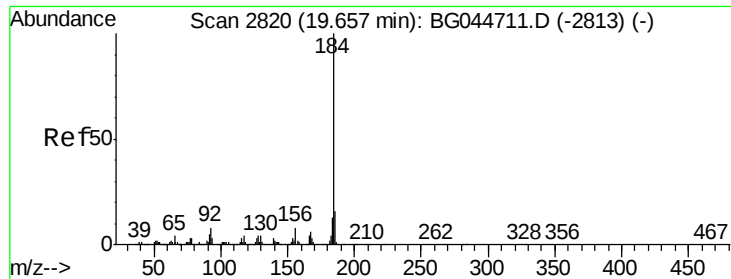
#76
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.70 min Scan# 3167
 Delta R.T. -0.01 min
 Lab File: BG044805.D
 Acq: 14 Mar 2020 21:40

Tgt Ion:240 Resp: 521267
 Ion Ratio Lower Upper
 240 100
 120 8.3 6.9 10.3
 236 27.7 21.9 32.9



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: 2.87 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.39 min

Lab File: BG044805.D

Acq: 14 Mar 2020 21:40

Instrument :

BNA_G

ClientSampleId :

TP-1-SA

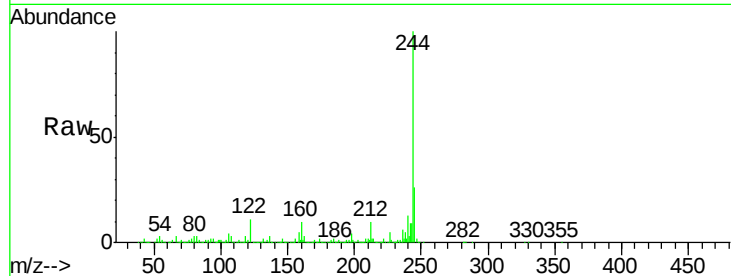
Tgt Ion:184 Resp: 48542

Ion Ratio Lower Upper

184 100

185 13.1 12.9 19.3

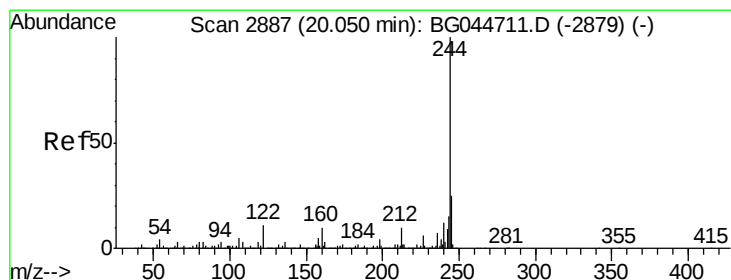
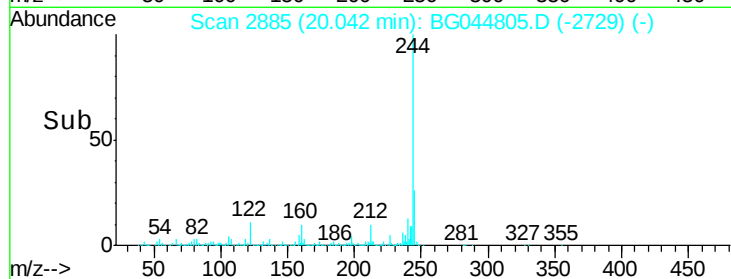
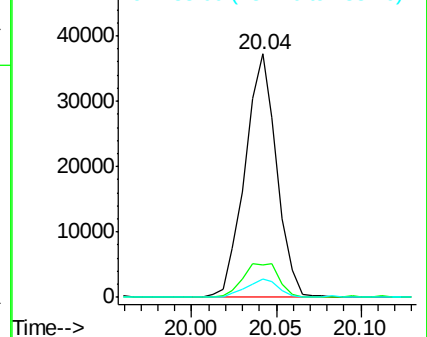
183 7.5 10.6 15.8#



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: 85.00 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG044805.D

Acq: 14 Mar 2020 21:40

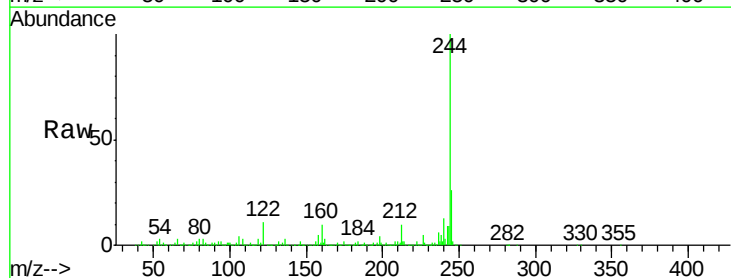
Tgt Ion:244 Resp: 2368777

Ion Ratio Lower Upper

244 100

212 10.5 8.4 12.6

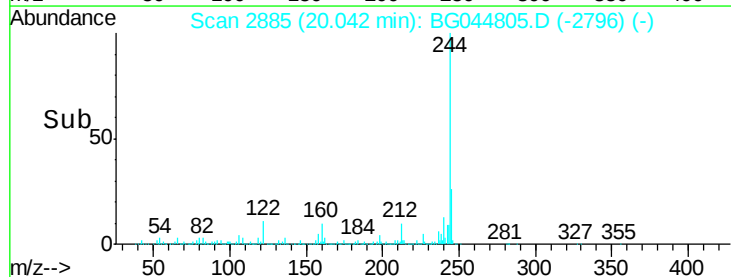
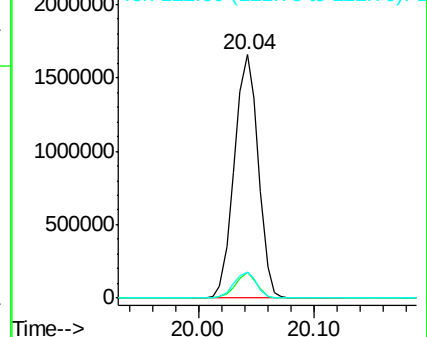
122 10.8 8.7 13.1

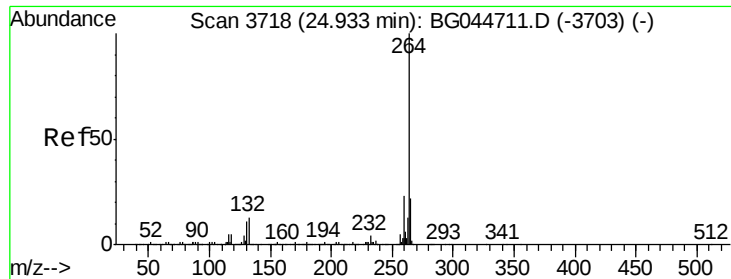


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

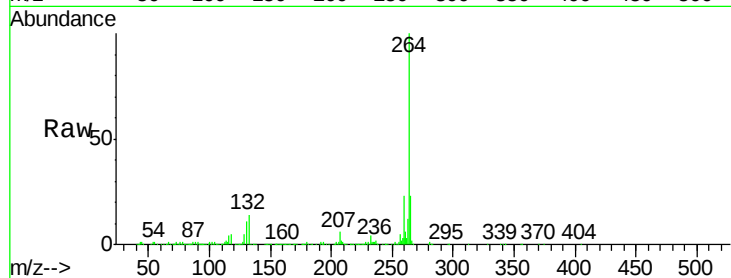




#87
Perylene-d12
Concen: 20.00 ng
RT: 24.91 min Scan# 3714
Delta R.T. -0.02 min
Lab File: BG044805.D
Acq: 14 Mar 2020 21:40

Instrument :
BNA_G
ClientSampleId :
TP-1-SA

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.4	27.6
265	23.2	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

