

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG040720\
 Data File : BG044959.D
 Acq On : 7 Apr 2020 17:41
 Operator : CG/JU
 Sample : L2166-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-52-46-COMP

Quant Time: Apr 08 02:23:41 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 23 07:18:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	97057	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	369610	20.00	ng	-0.02
39) Acenaphthene-d10	14.67	164	245963	20.00	ng	-0.01
64) Phenanthrene-d10	17.42	188	554660	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	547541	20.00	ng	-0.02
87) Perylene-d12	24.89	264	590051	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	644698	103.40	ng	0.00
7) Phenol-d6	7.20	99	782326	86.36	ng	0.00
23) Nitrobenzene-d5	9.20	82	671714	79.75	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	443638	137.75	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	1451849	84.53	ng	0.00
79) Terphenyl-d14	20.03	244	2464971	84.21	ng	0.00

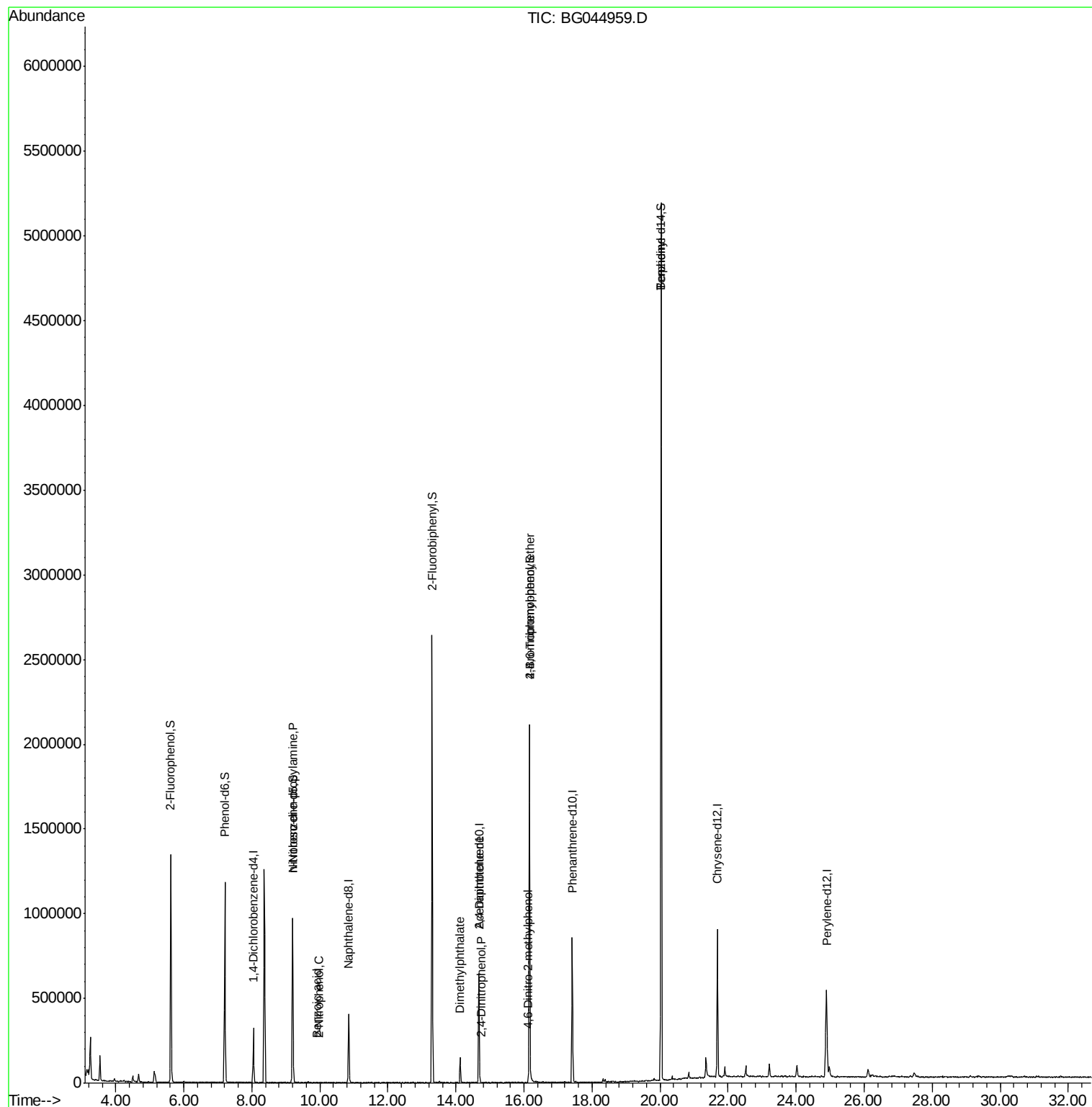
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.17	77	60	Below Cal	#	6
19) n-Nitroso-di-n-propylamine	9.20	70	87262	13.64	ng	67
26) 2-Nitrophenol	9.97	139	55	5.53	ng	28
32) Benzoic acid	9.91	122	92	9.69	ng	27
50) Dimethylphthalate	14.12	163	108714	5.55	ng	96
54) 2,4-Dinitrophenol	14.75	184	56	8.35	ng	1
57) 2,4-Dinitrotoluene	14.67	165	32085	5.92	ng	22
65) 4,6-Dinitro-2-methylphenol	16.13	198	74	7.75	ng	33
67) 4-Bromophenyl-phenylether	16.16	248	29707	4.28	ng	1
77) Benzidine	20.03	184	48006	2.70	ng	95

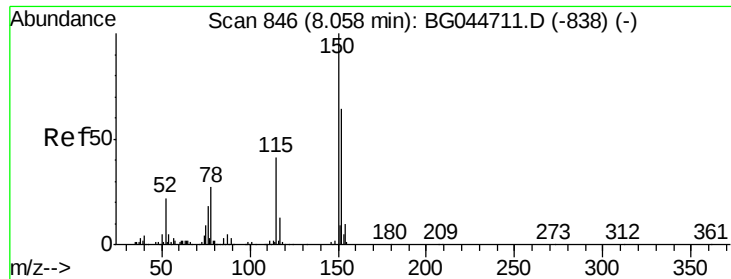
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG044959.D

Acq: 7 Apr 2020 17:41

Instrument :

BNA_G

ClientSampleId :

TP-52-46-COMP

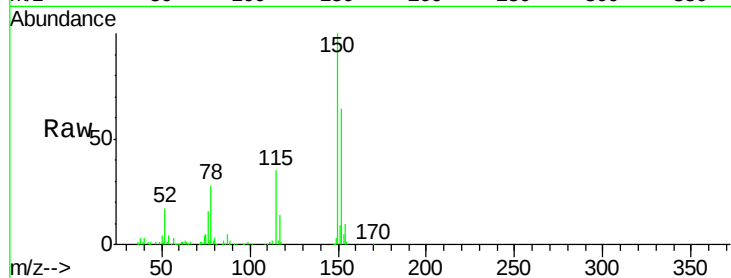
Tgt Ion:152 Resp: 97057

Ion Ratio Lower Upper

152 100

150 156.9 128.8 193.2

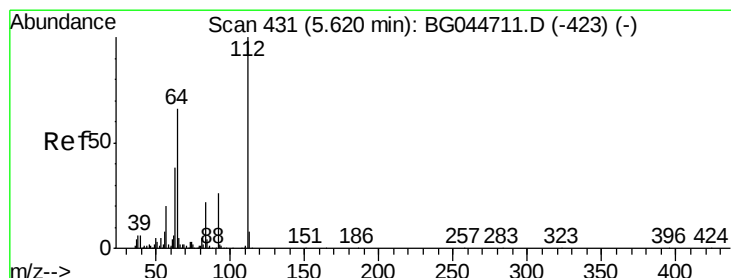
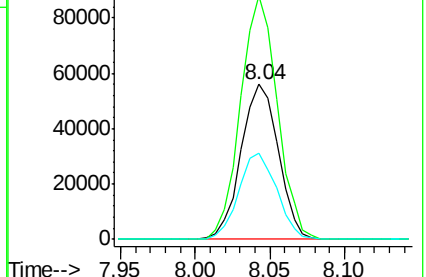
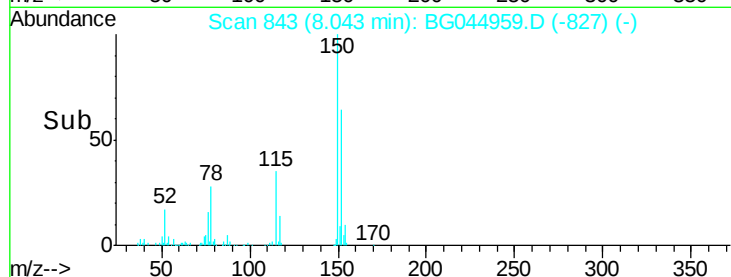
115 55.6 52.6 79.0



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



#5

2-Fluorophenol

Concen: 103.40 ng

RT: 5.62 min Scan# 430

Delta R.T. 0.00 min

Lab File: BG044959.D

Acq: 7 Apr 2020 17:41

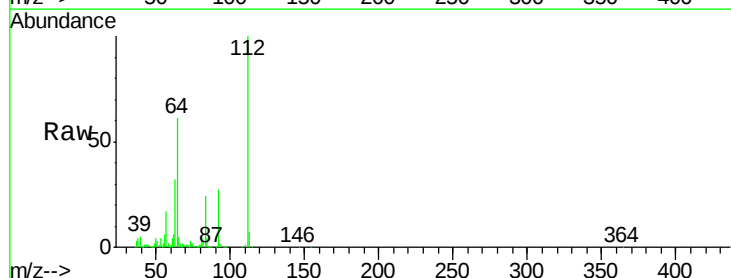
Tgt Ion:112 Resp: 644698

Ion Ratio Lower Upper

112 100

64 60.7 53.4 80.2

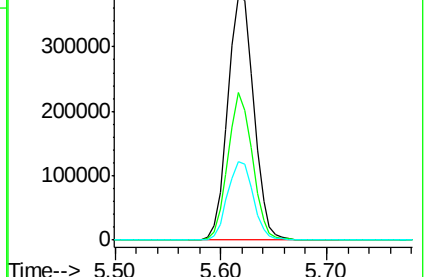
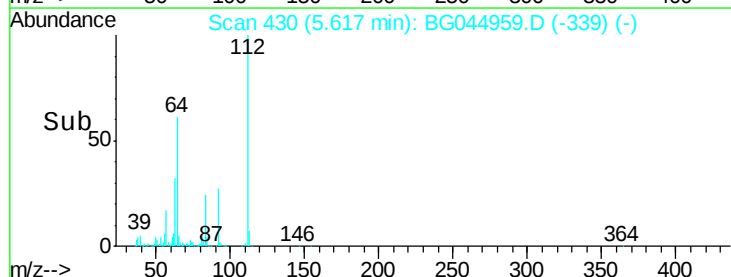
63 32.2 29.4 44.2

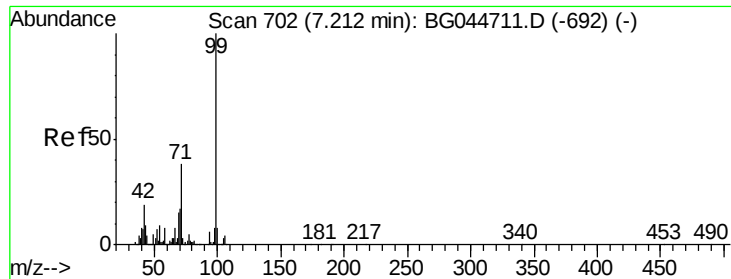


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 86.36 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG044959.D

Acq: 7 Apr 2020 17:41

Instrument :

BNA_G

ClientSampleId :

TP-52-46-COMP

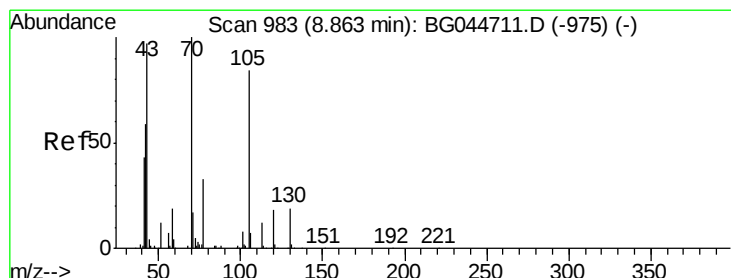
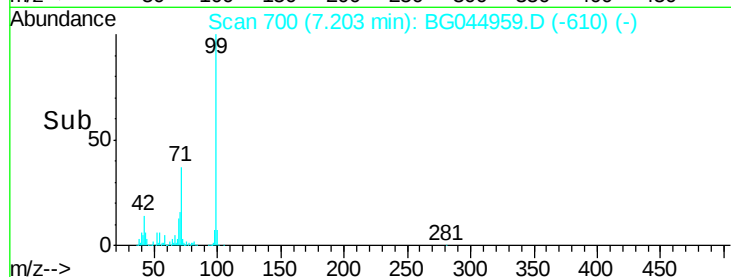
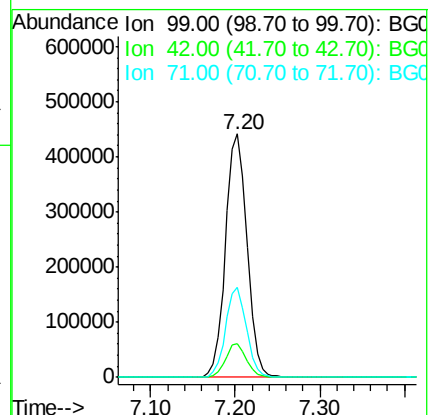
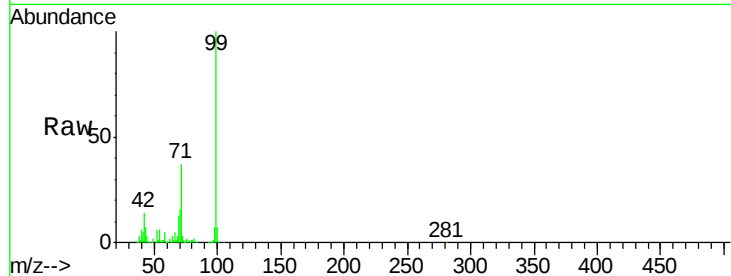
Tgt Ion: 99 Resp: 782326

Ion Ratio Lower Upper

99 100

42 13.9 12.6 19.0

71 36.8 29.0 43.4



#19

n-Nitroso-di-n-propylamine

Concen: 13.64 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.34 min

Lab File: BG044959.D

Acq: 7 Apr 2020 17:41

Tgt Ion: 70 Resp: 87262

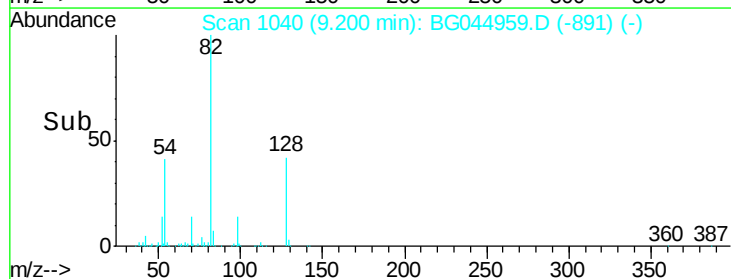
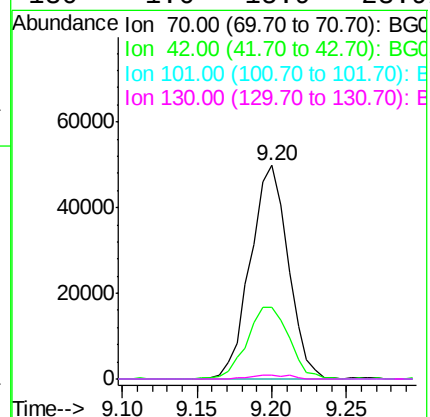
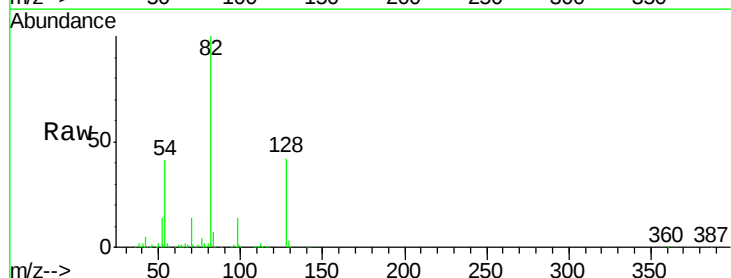
Ion Ratio Lower Upper

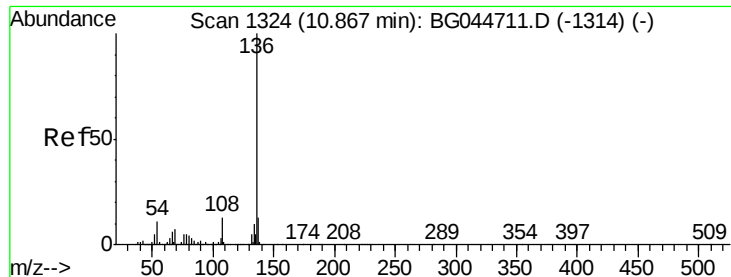
70 100

42 33.6 45.7 68.5#

101 0.0 7.4 11.2#

130 1.6 15.9 23.9#

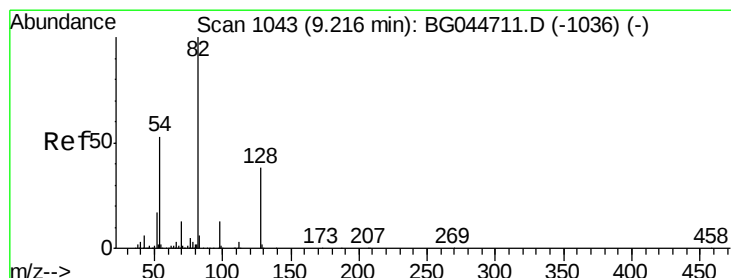
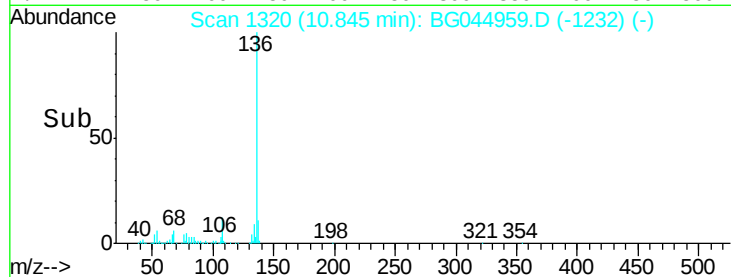
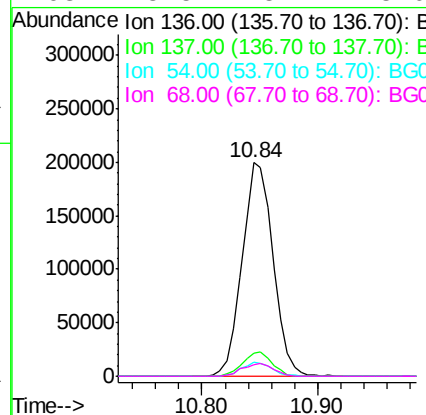
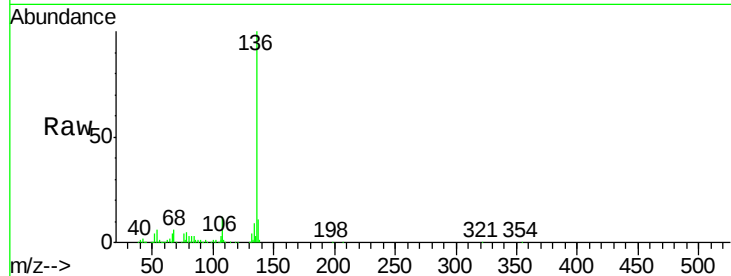




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.84 min Scan# 1320
Delta R.T. -0.02 min
Lab File: BG044959.D
Acq: 7 Apr 2020 17:41

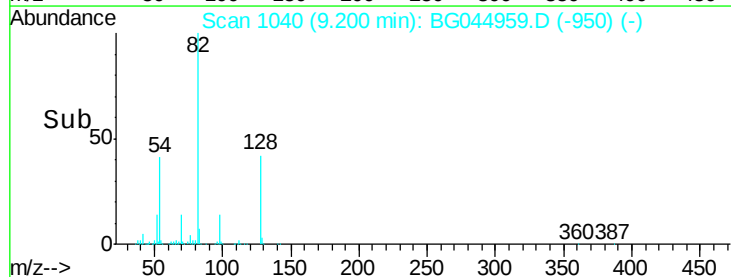
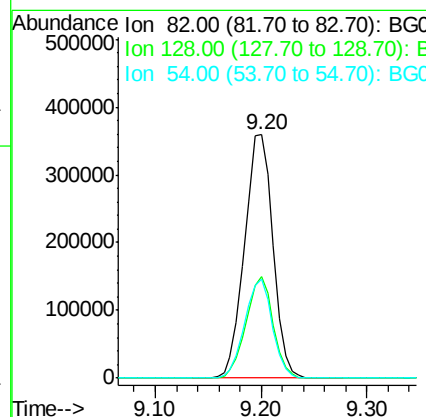
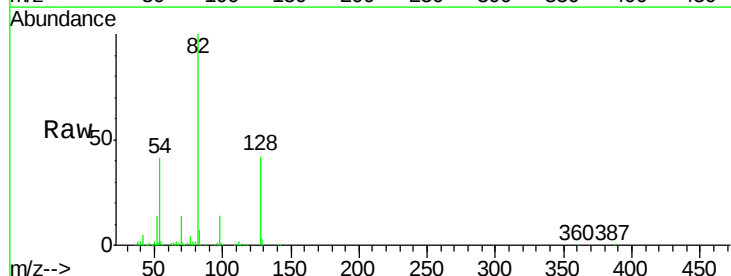
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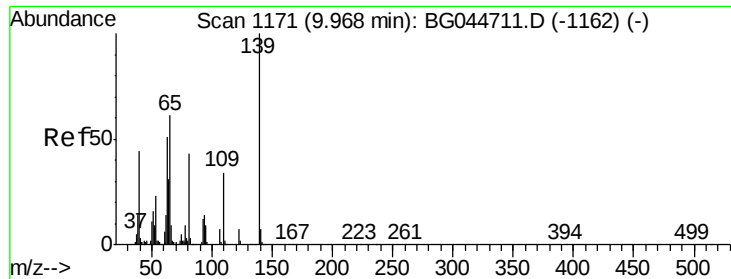
Tgt Ion:	136	Resp:	369610
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.8	14.6
54	6.5	7.9	11.9#
68	5.5	5.4	8.0



#23
Nitrobenzene-d5
Concen: 79.75 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.00 min
Lab File: BG044959.D
Acq: 7 Apr 2020 17:41

Tgt Ion:	82	Resp:	671714
Ion	Ratio	Lower	Upper
82	100		
128	42.0	30.6	46.0
54	40.8	37.1	55.7

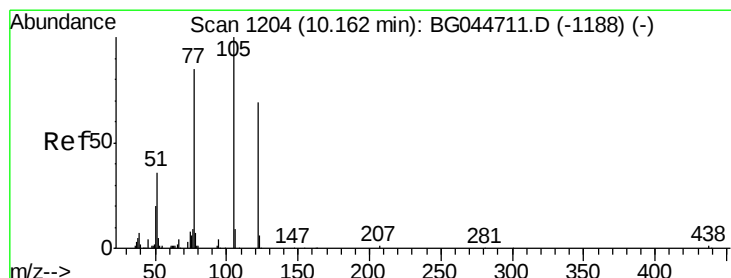
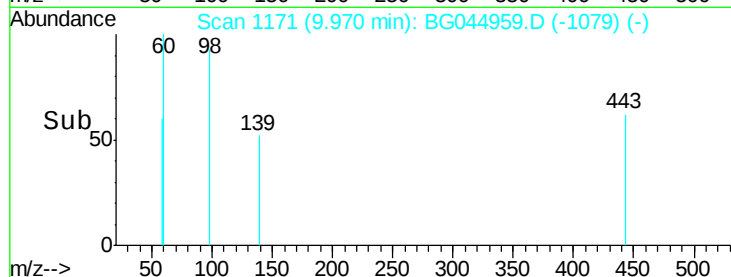
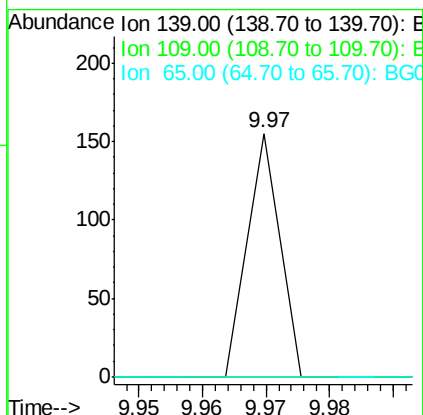
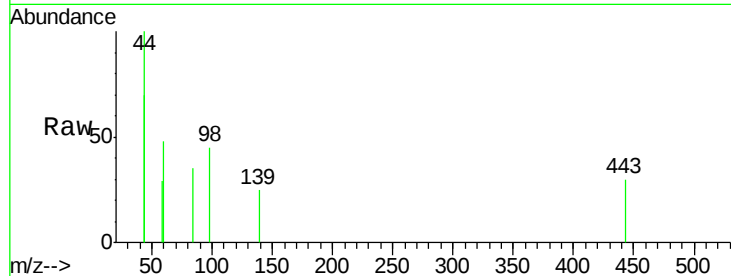




#26
2-Nitrophenol
Concen: 5.53 ng
RT: 9.97 min Scan# 1171
Delta R.T. 0.01 min
Lab File: BG044959.D
Acq: 7 Apr 2020 17:41

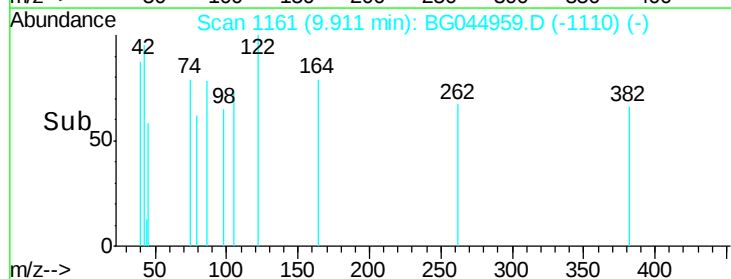
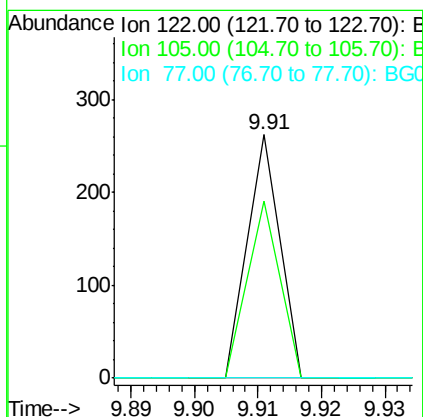
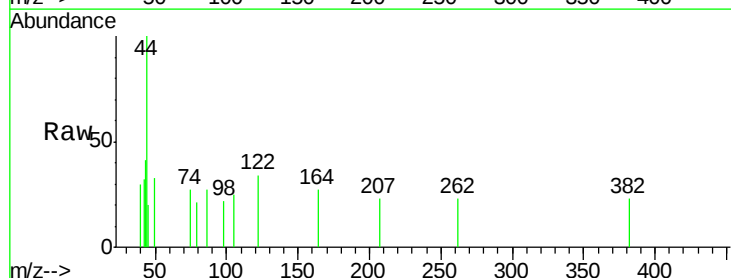
Instrument :
BNA_G
ClientSampleId :
TP-52-46-COMP

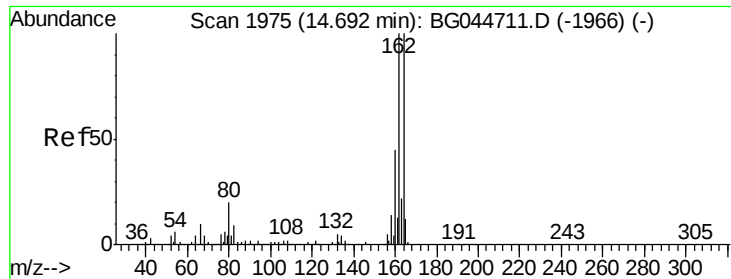
Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	30.2	45.4#
65	0.0	46.3	69.5#



#32
Benzoic acid
Concen: 9.69 ng
RT: 9.91 min Scan# 1161
Delta R.T. -0.23 min
Lab File: BG044959.D
Acq: 7 Apr 2020 17:41

Tgt Ion	Ratio	Lower	Upper
122	100		
105	72.5	109.1	149.1#
77	0.0	85.3	125.3#





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.67 min Scan# 1972

Delta R.T. -0.01 min

Lab File: BG044959.D

Acq: 7 Apr 2020 17:41

Instrument :

BNA_G

ClientSampleId :

TP-52-46-COMP

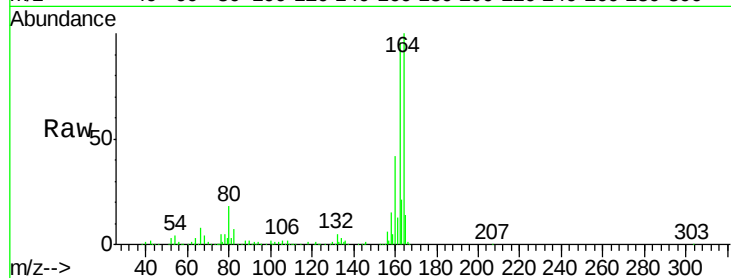
Tgt Ion:164 Resp: 245963

Ion Ratio Lower Upper

164 100

162 95.7 76.7 115.1

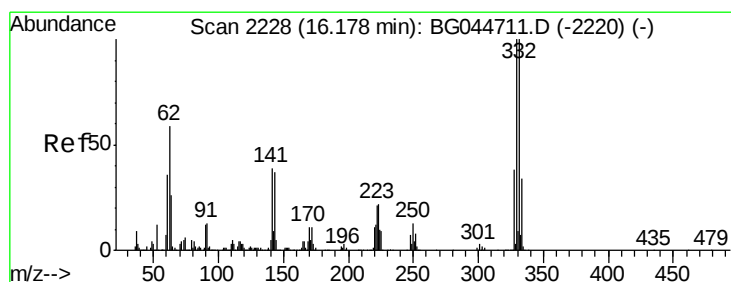
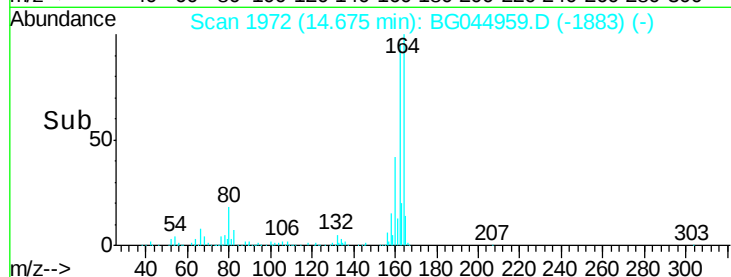
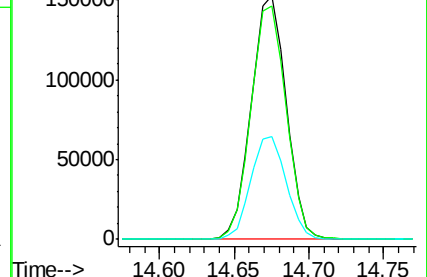
160 42.3 35.0 52.4



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: 137.75 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BG044959.D

Acq: 7 Apr 2020 17:41

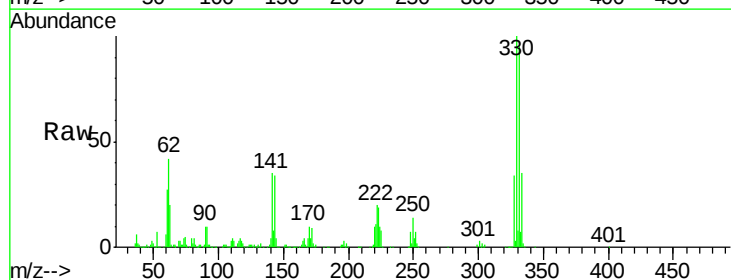
Tgt Ion:330 Resp: 443638

Ion Ratio Lower Upper

330 100

332 97.7 77.8 116.6

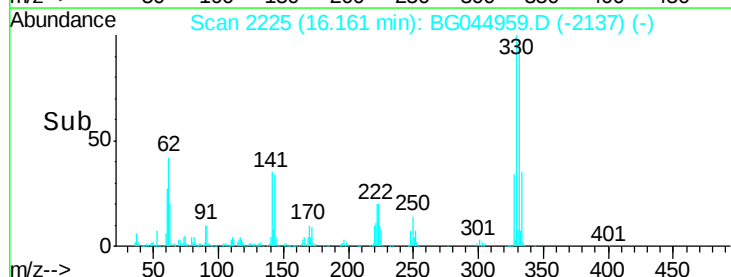
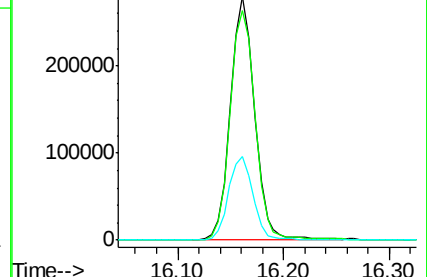
141 35.0 29.5 44.3

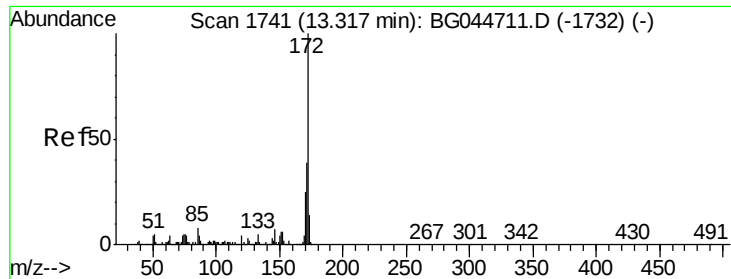


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

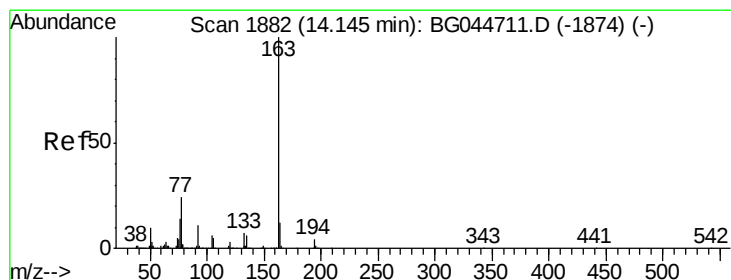
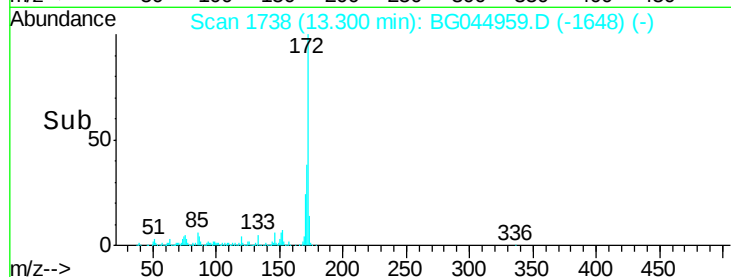
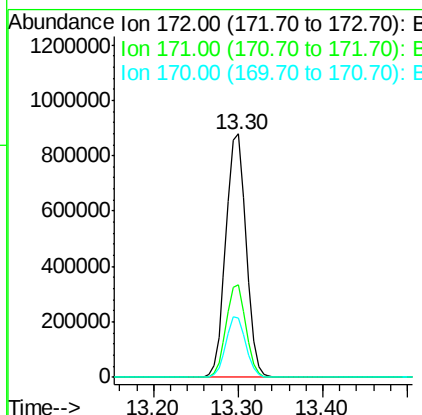
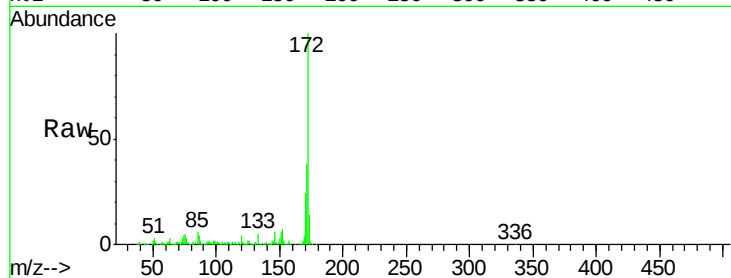




#45
2-Fluorobiphenyl
Concen: 84.53 ng
RT: 13.30 min Scan# 1738
Delta R.T. -0.00 min
Lab File: BG044959.D
Acq: 7 Apr 2020 17:41

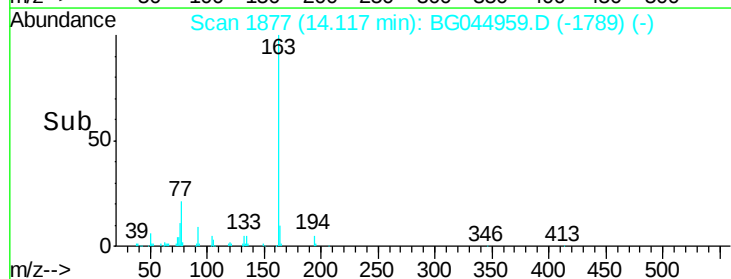
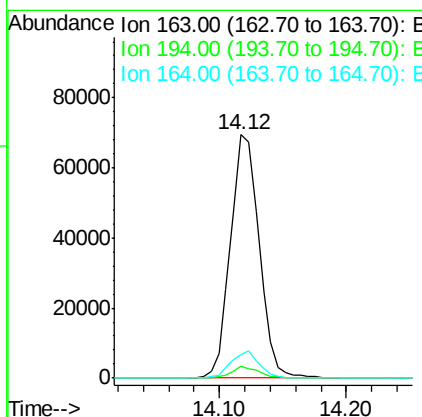
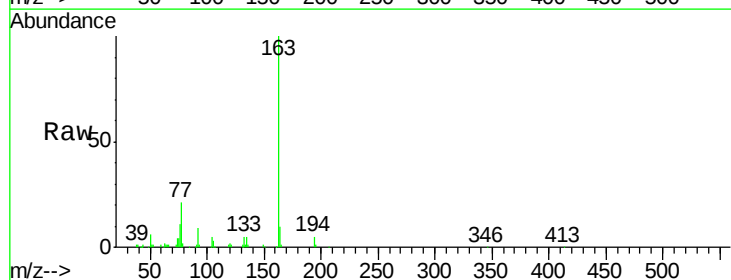
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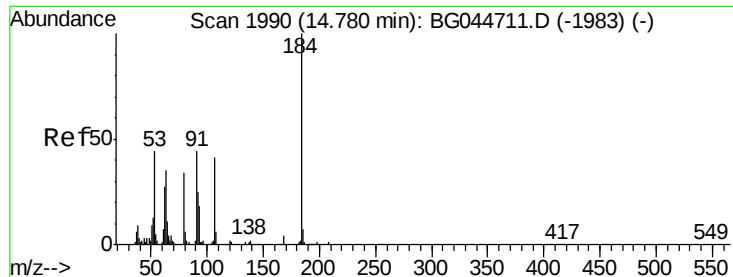
Tgt Ion:172 Resp: 1451849
Ion Ratio Lower Upper
172 100
171 37.8 28.7 43.1
170 24.4 19.0 28.6



#50
Dimethylphthalate
Concen: 5.55 ng
RT: 14.12 min Scan# 1877
Delta R.T. -0.02 min
Lab File: BG044959.D
Acq: 7 Apr 2020 17:41

Tgt Ion:163 Resp: 108714
Ion Ratio Lower Upper
163 100
194 5.0 3.7 5.5
164 9.7 9.1 13.7

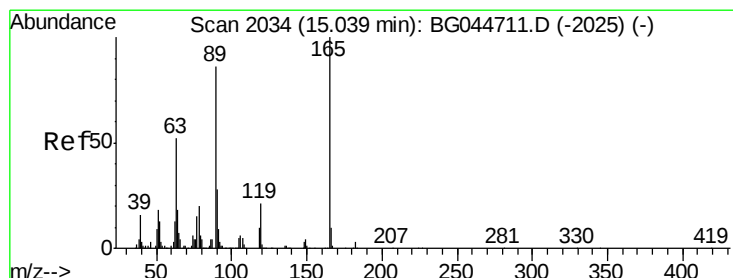
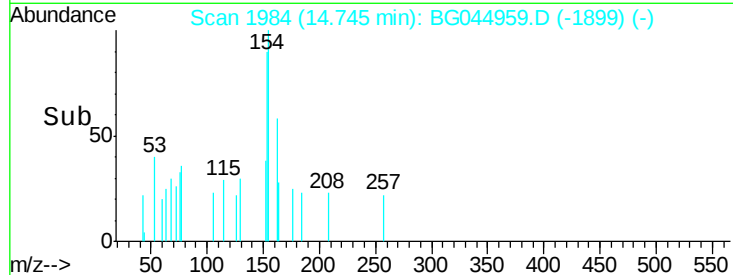
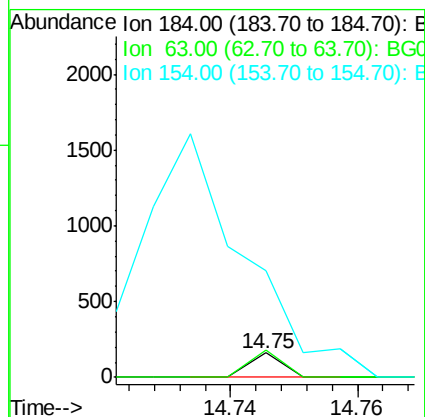
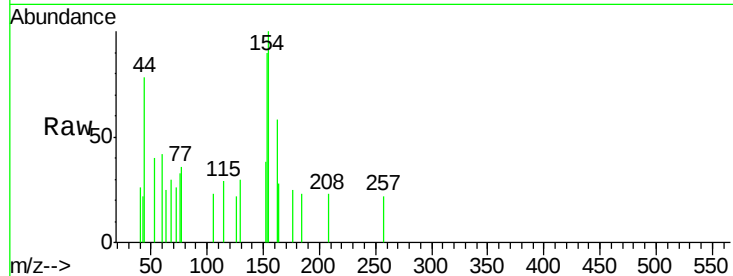




#54
2,4-Dinitrophenol
Concen: 8.35 ng
RT: 14.75 min Scan# 1984
Delta R.T. -0.03 min
Lab File: BG044959.D
Acq: 7 Apr 2020 17:41

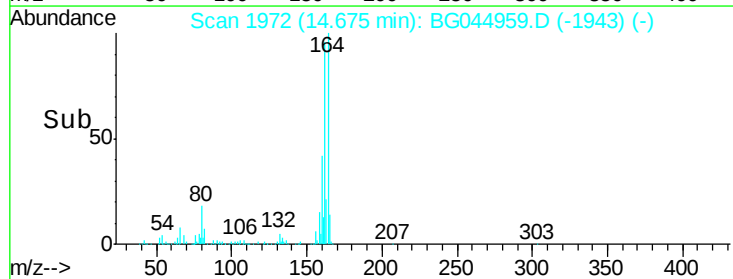
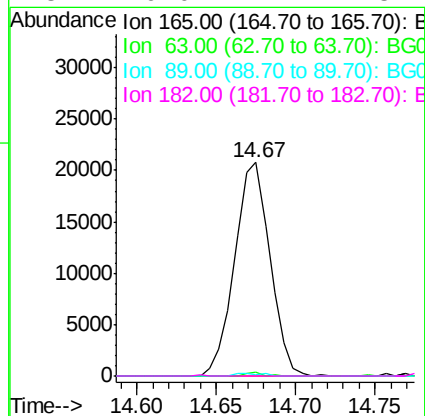
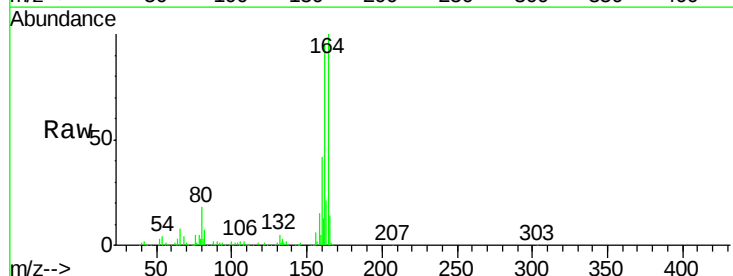
Instrument :
BNA_G
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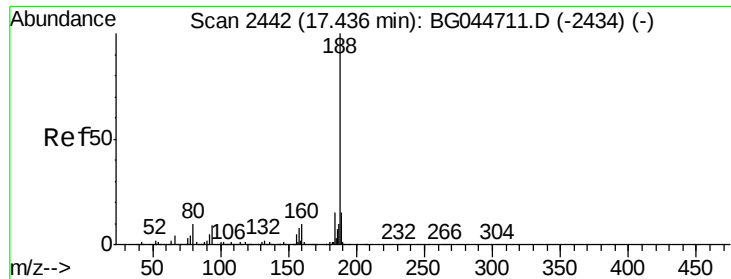
Tgt Ion:184 Resp: 56
Ion Ratio Lower Upper
184 100
63 111.3 45.5 68.3#
154 437.5 49.1 73.7#



#57
2,4-Dinitrotoluene
Concen: 5.92 ng
RT: 14.67 min Scan# 1972
Delta R.T. -0.36 min
Lab File: BG044959.D
Acq: 7 Apr 2020 17:41

Tgt Ion:165 Resp: 32085
Ion Ratio Lower Upper
165 100
63 1.9 34.6 52.0#
89 0.9 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: BG044959.D

Acq: 7 Apr 2020 17:41

Instrument :

BNA_G

ClientSampleId :

TP-52-46-COMP

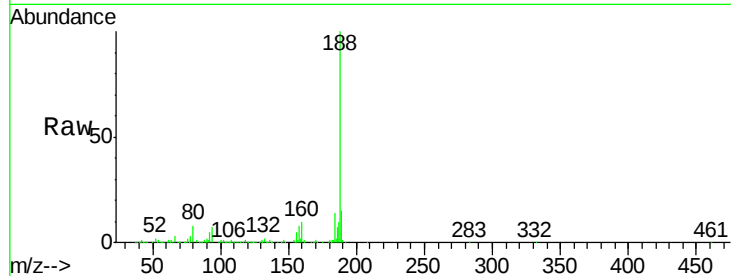
Tgt Ion:188 Resp: 554660

Ion Ratio Lower Upper

188 100

94 7.4 7.3 10.9

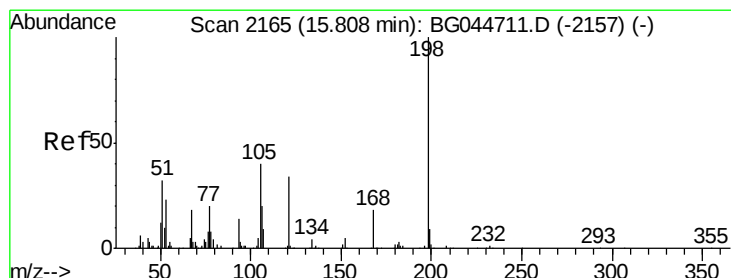
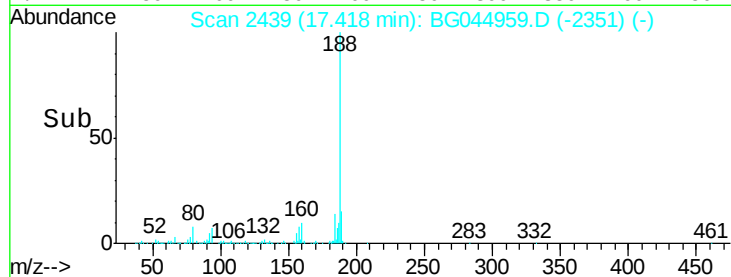
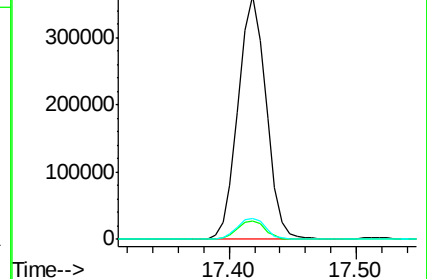
80 8.4 8.0 12.0



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: 7.75 ng

RT: 16.13 min Scan# 2219

Delta R.T. 0.33 min

Lab File: BG044959.D

Acq: 7 Apr 2020 17:41

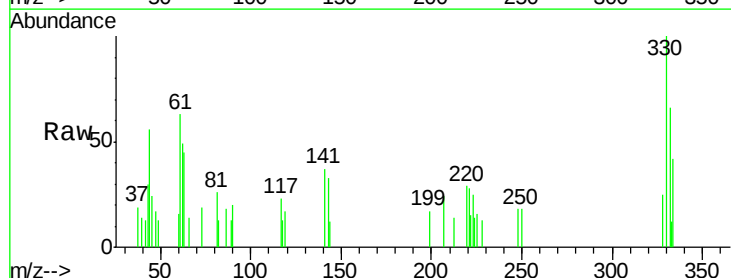
Tgt Ion:198 Resp: 74

Ion Ratio Lower Upper

198 100

51 0.0 21.1 61.1#

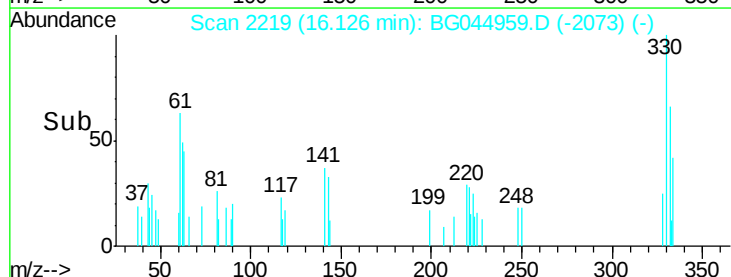
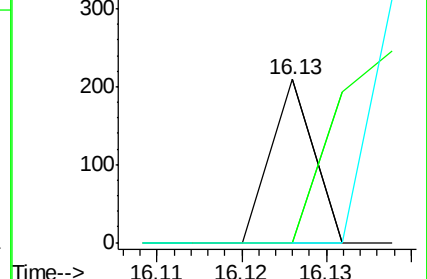
105 0.0 24.5 64.5#

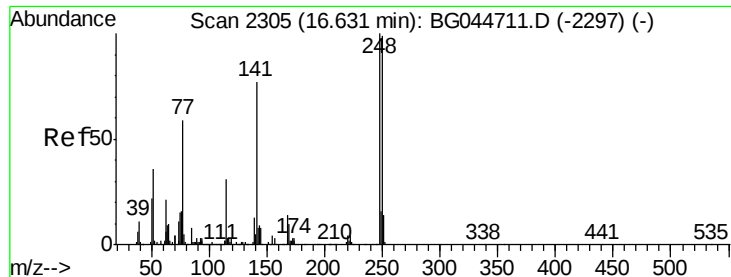


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

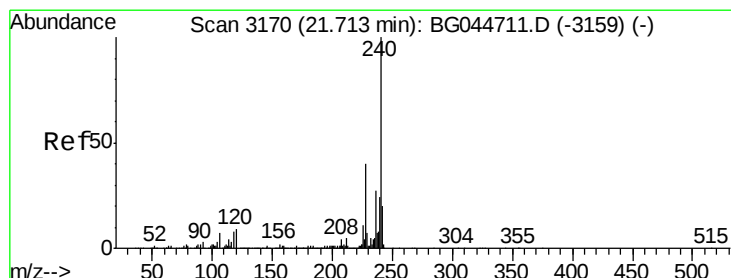
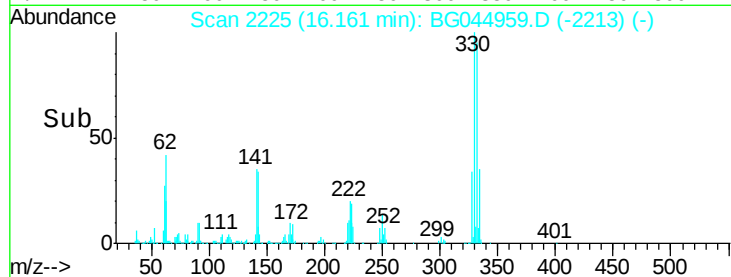
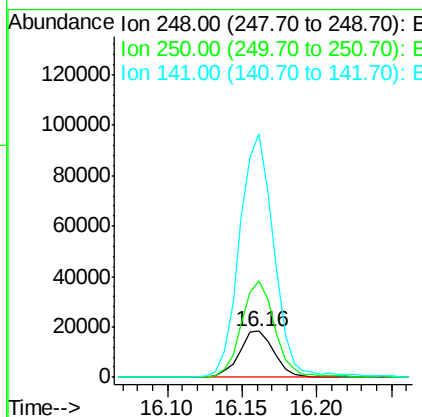
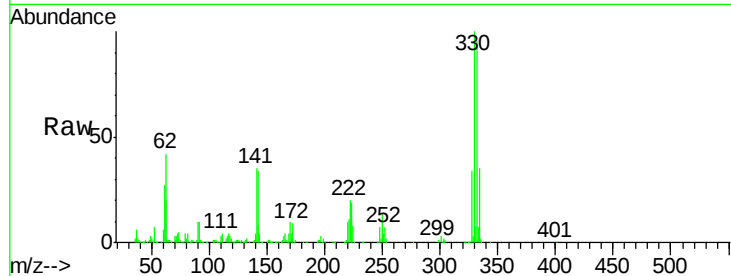




#67
 4-Bromophenyl-phenylether
 Concen: 4.28 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.46 min
 Lab File: BG044959.D
 Acq: 7 Apr 2020 17:41

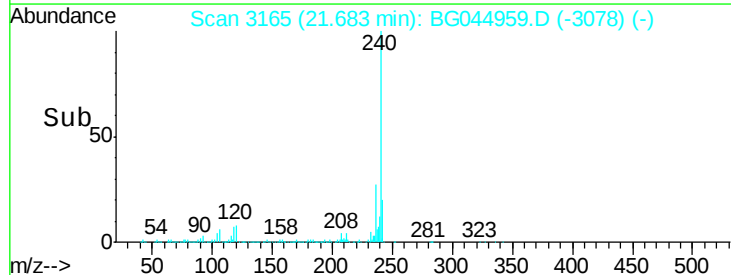
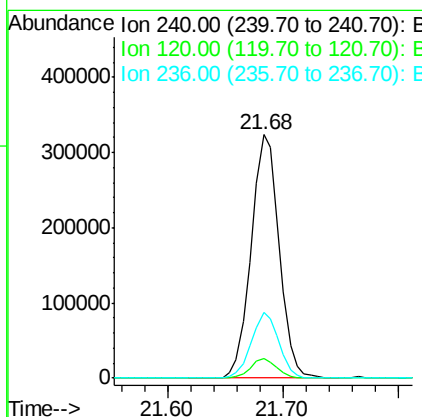
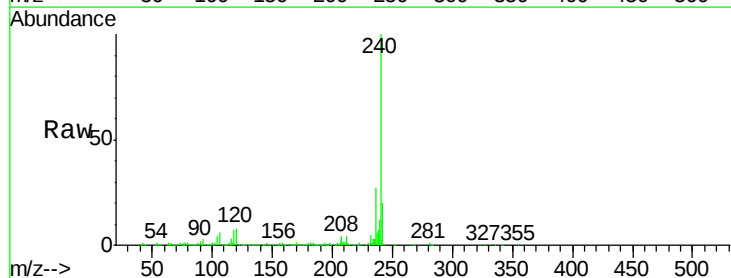
Instrument :
 BNA_G
 ClientSampleId :
 TP-52-46-COMP

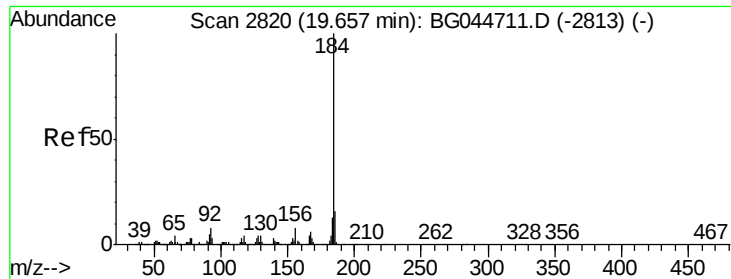
Tgt Ion:248 Resp: 29707
 Ion Ratio Lower Upper
 248 100
 250 209.5 77.9 116.9#
 141 529.5 57.5 86.3#



#76
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.68 min Scan# 3165
 Delta R.T. -0.02 min
 Lab File: BG044959.D
 Acq: 7 Apr 2020 17:41

Tgt Ion:240 Resp: 547541
 Ion Ratio Lower Upper
 240 100
 120 8.3 6.7 10.1
 236 26.9 21.5 32.3





#77

Benzidine

Concen: 2.70 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.38 min

Lab File: BG044959.D

Acq: 7 Apr 2020 17:41

Instrument :

BNA_G

ClientSampleId :

TP-52-46-COMP

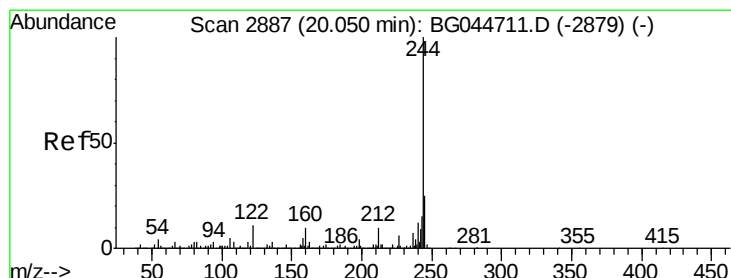
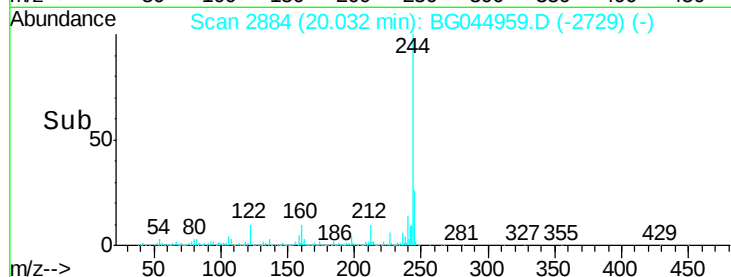
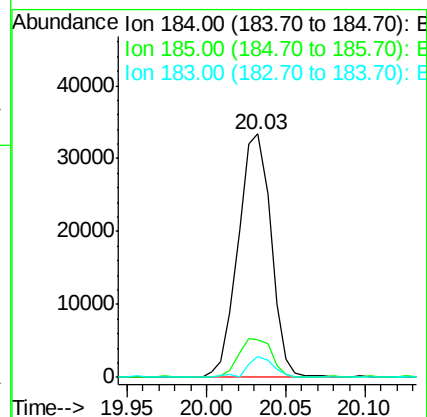
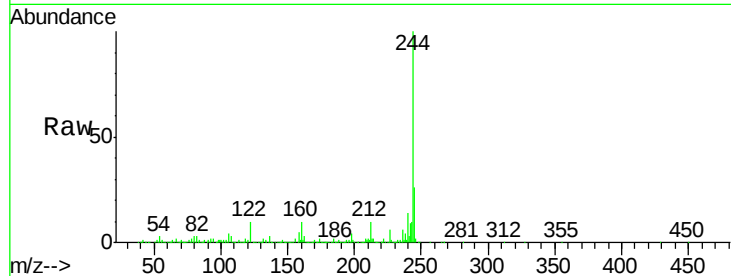
Tgt Ion:184 Resp: 48006

Ion Ratio Lower Upper

184 100

185 15.3 12.2 18.4

183 8.7 10.7 16.1#



#79

Terphenyl-d14

Concen: 84.21 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG044959.D

Acq: 7 Apr 2020 17:41

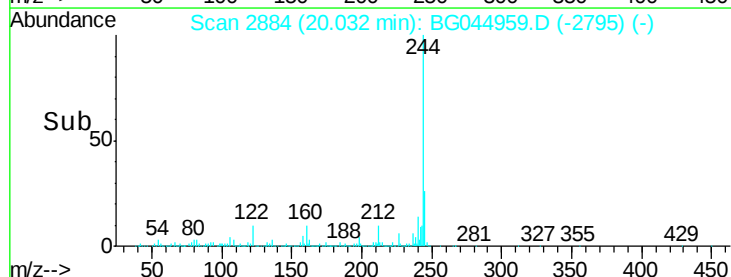
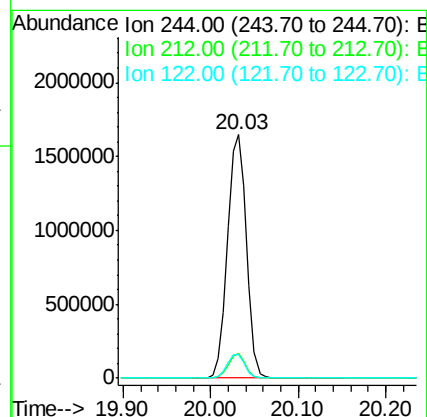
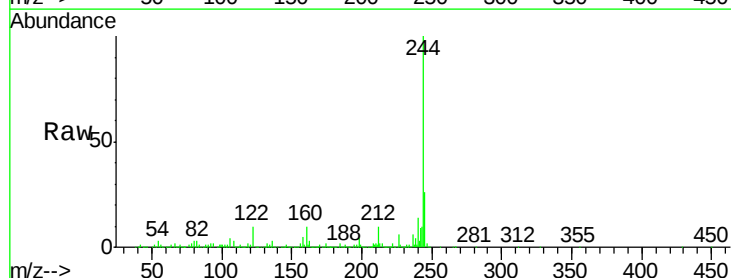
Tgt Ion:244 Resp: 2464971

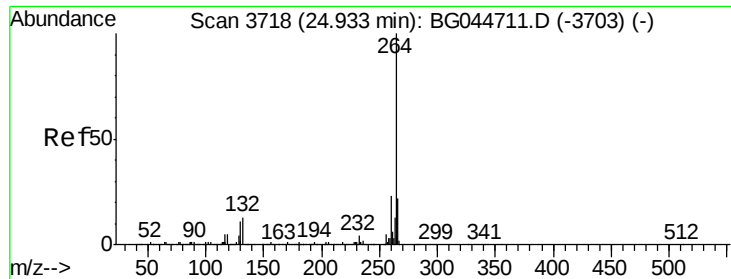
Ion Ratio Lower Upper

244 100

212 10.1 7.7 11.5

122 9.8 8.6 12.8





#87
Perylene-d12
Concen: 20.00 ng
RT: 24.89 min Scan# 3711
Delta R.T. -0.02 min
Lab File: BG044959.D
Acq: 7 Apr 2020 17:41

Instrument :
BNA_G
ClientSampleId :
TP-52-46-COMP

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.1	27.1
265	21.1	17.1	25.7

