

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG012020\
 Data File : BG044123.D
 Acq On : 21 Jan 2020 8:14
 Operator : JU
 Sample : L1176-11
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EP-9

Quant Time: Jan 21 10:18:58 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 31 13:32:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	83300	20.00	ng	-0.04
21) Naphthalene-d8	10.73	136	370032	20.00	ng	-0.04
39) Acenaphthene-d10	14.57	164	255877	20.00	ng	-0.03
64) Phenanthrene-d10	17.31	188	521054	20.00	ng	-0.03
76) Chrysene-d12	21.55	240	437280	20.00	ng	-0.04
87) Perylene-d12	24.66	264	485785	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	701701	154.67	ng	-0.03
7) Phenol-d6	7.10	99	1023003	161.32	ng	-0.02
23) Nitrobenzene-d5	9.09	82	595374	86.07	ng	-0.04
42) 2,4,6-Tribromophenol	16.06	330	386854	144.47	ng	-0.03
45) 2-Fluorobiphenyl	13.19	172	1406135	99.56	ng	-0.04
79) Terphenyl-d14	19.93	244	1925808	116.41	ng	-0.03

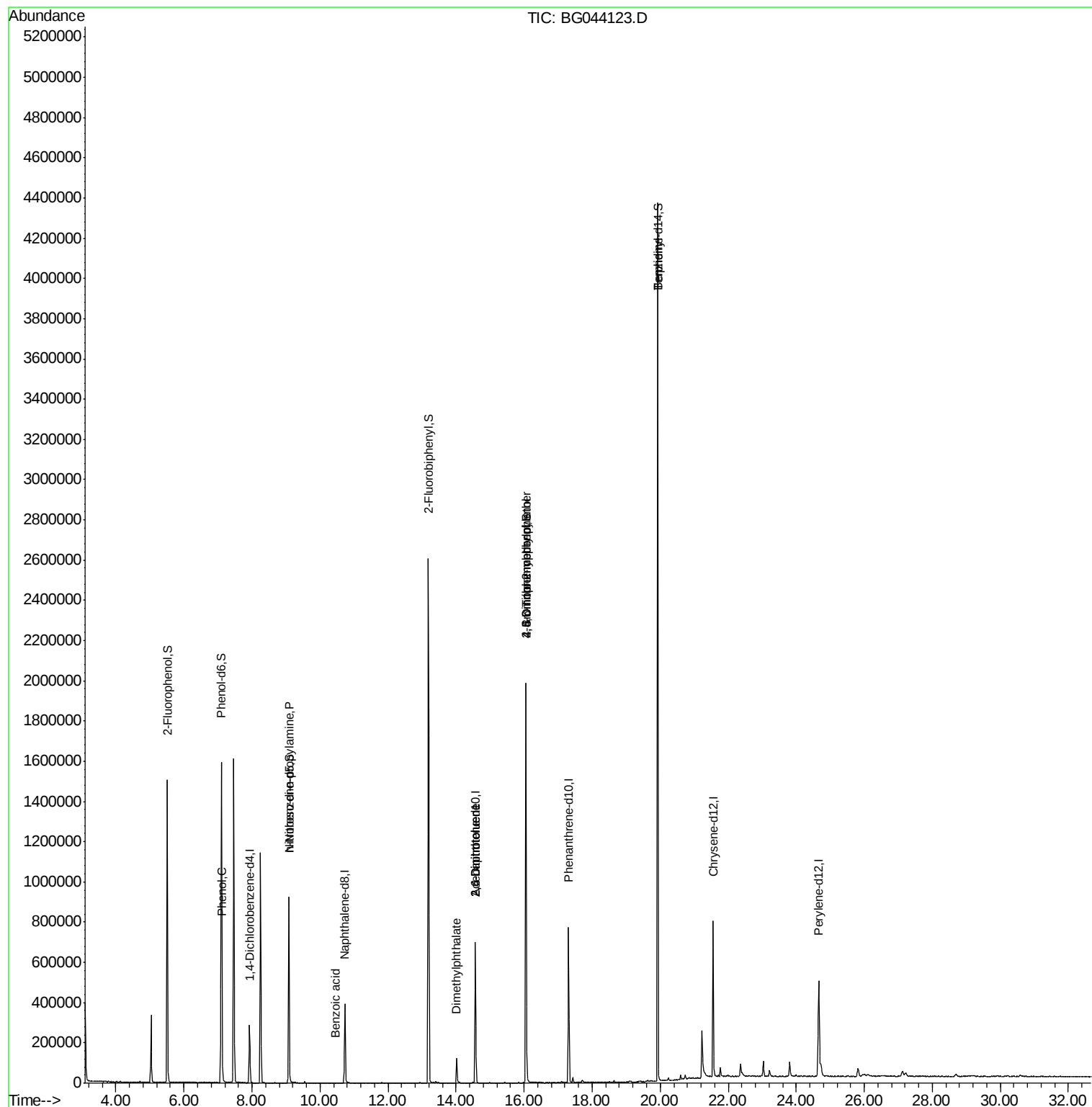
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.12	94	39620	6.06	ng	85
19) n-Nitroso-di-n-propylamine	9.09	70	77716	16.46	ng	# 78
32) Benzoic acid	10.45	122	60	6.28	ng	# 1
50) Dimethylphthalate	14.02	163	100249	5.52	ng	98
51) 2,6-Dinitrotoluene	14.57	165	32637	7.95	ng	# 27
57) 2,4-Dinitrotoluene	14.57	165	32637	5.84	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.05	198	1099	4.76	ng	# 1
67) 4-Bromophenyl-phenylether	16.06	248	28316	4.83	ng	# 1
77) Benzidine	19.93	184	33814	3.08	ng	# 93

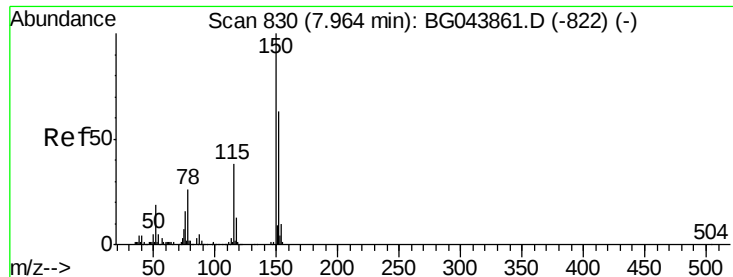
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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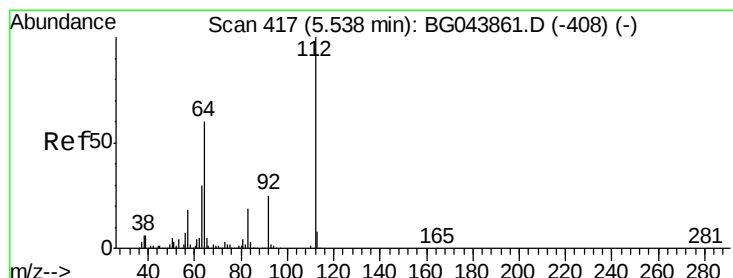
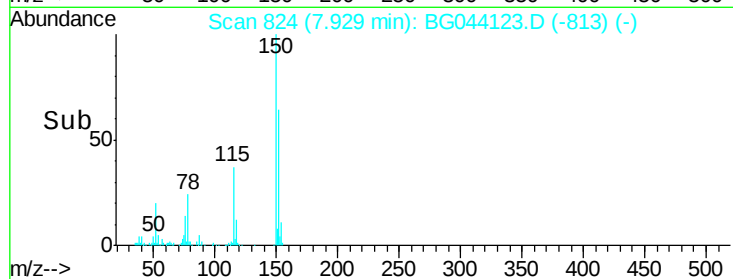
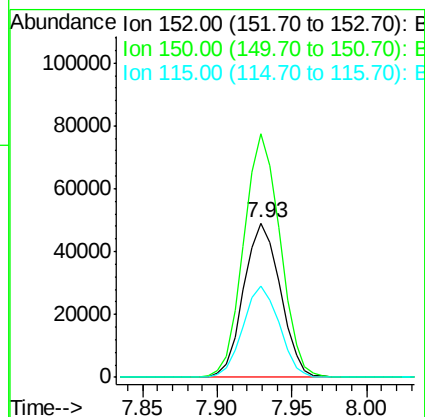
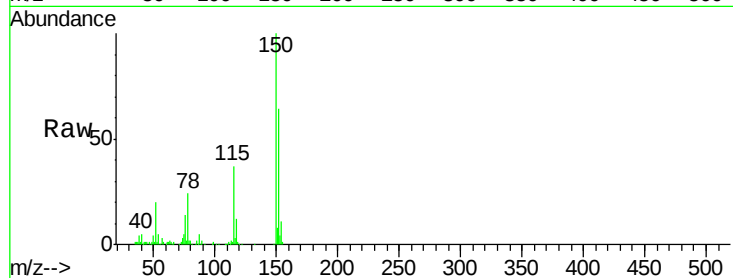


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.04 min
Lab File: BG044123.D
Acq: 21 Jan 2020 8:14

Instrument :
BNA_G
ClientSampleId :
EP-9

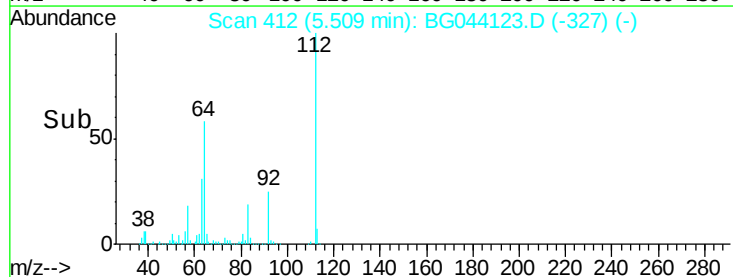
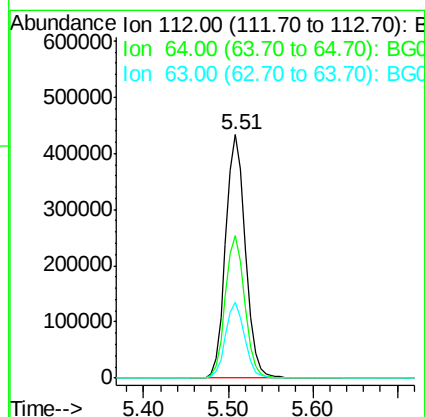
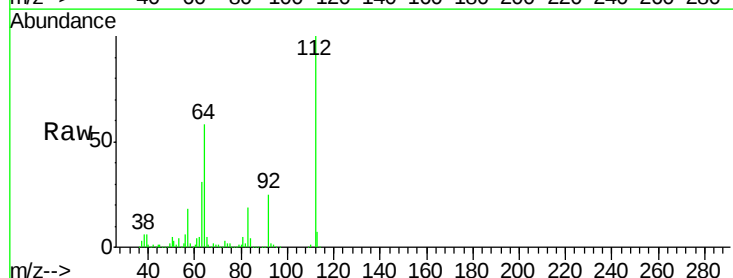
Tgt Ion:152 Resp: 83300
Ion Ratio Lower Upper
152 100
150 157.5 127.0 190.4
115 59.0 47.8 71.8



#5

2-Fluorophenol
Concen: 154.67 ng
RT: 5.51 min Scan# 412
Delta R.T. -0.03 min
Lab File: BG044123.D
Acq: 21 Jan 2020 8:14

Tgt Ion:112 Resp: 701701
Ion Ratio Lower Upper
112 100
64 58.3 47.8 71.6
63 31.1 24.3 36.5





#7

Phenol-d6

Concen: 161.32 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.02 min

Lab File: BG044123.D

Acq: 21 Jan 2020 8:14

Instrument :

BNA_G

ClientSampleId :

EP-9

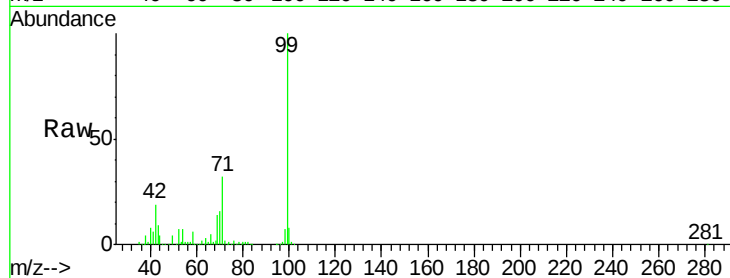
Tgt Ion: 99 Resp: 1023003

Ion Ratio Lower Upper

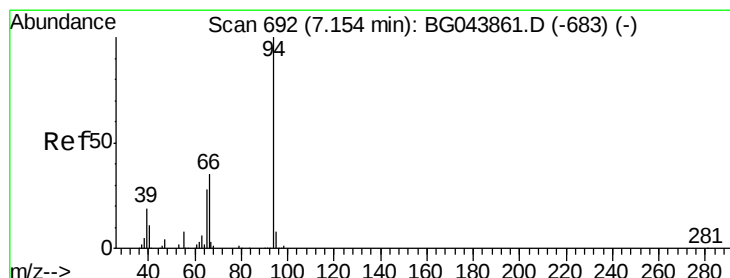
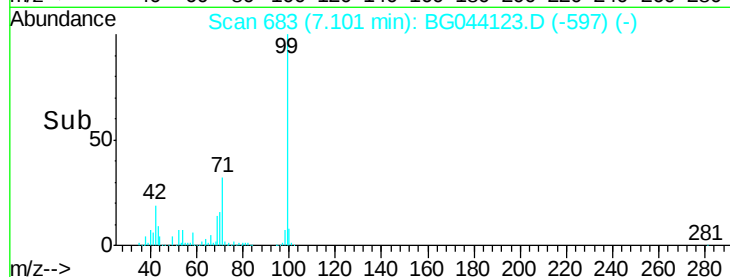
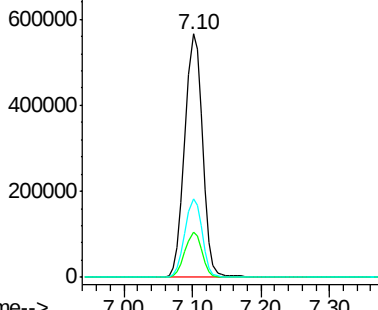
99 100

42 18.6 14.9 22.3

71 32.0 26.4 39.6



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



#10

Phenol

Concen: 6.06 ng

RT: 7.12 min Scan# 687

Delta R.T. -0.03 min

Lab File: BG044123.D

Acq: 21 Jan 2020 8:14

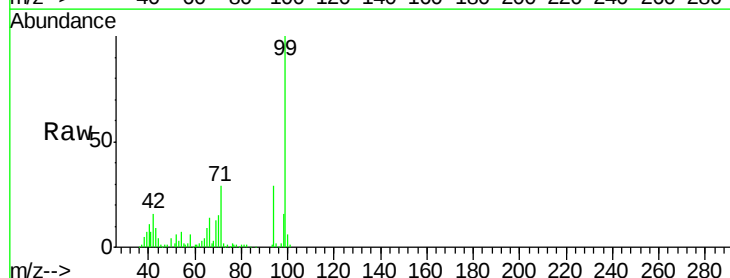
Tgt Ion: 94 Resp: 39620

Ion Ratio Lower Upper

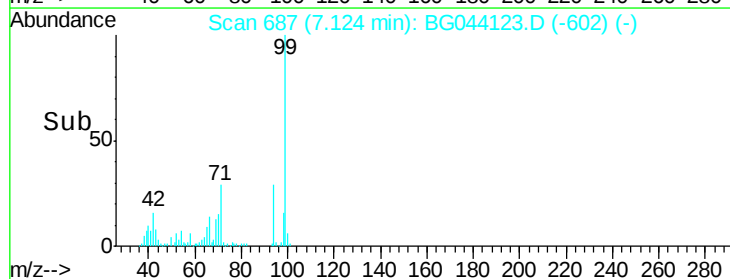
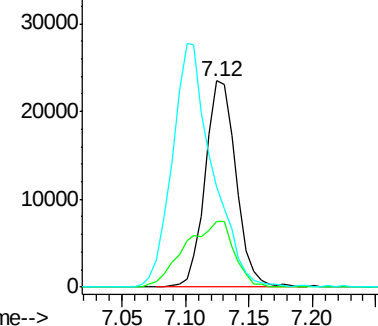
94 100

65 31.9 8.1 48.1

66 48.4 15.6 55.6



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

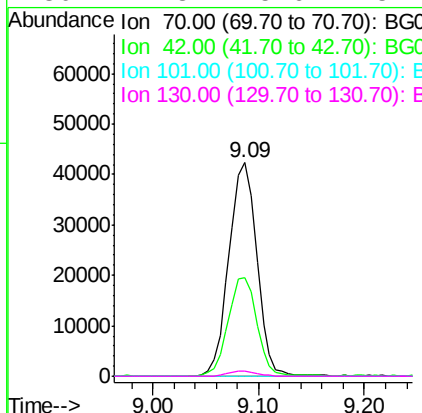
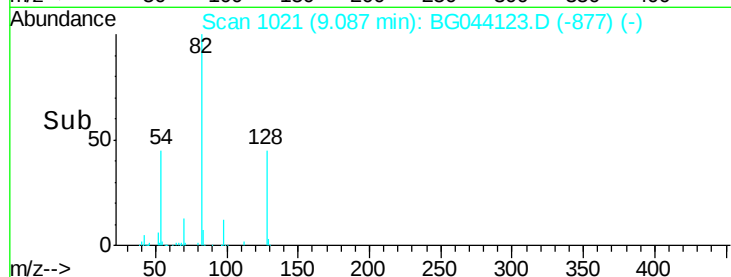
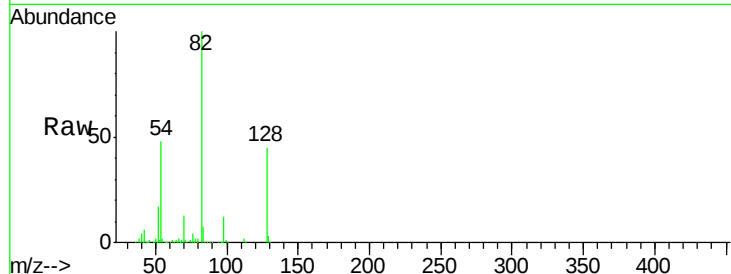




#19
n-Nitroso-di-n-propylamine
Concen: 16.46 ng
RT: 9.09 min Scan# 1021
Delta R.T. 0.32 min
Lab File: BG044123.D
Acq: 21 Jan 2020 8:14

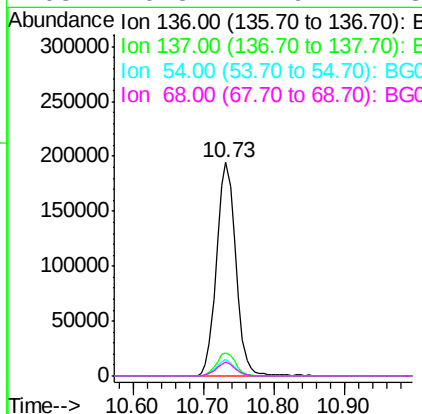
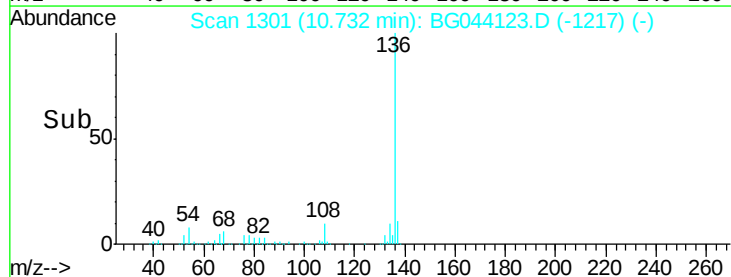
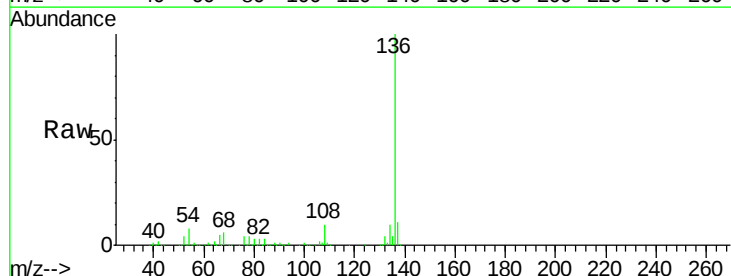
Instrument :
BNA_G
ClientSampleId :
EP-9

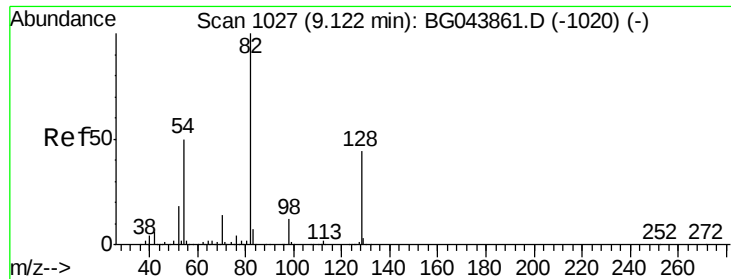
Tgt Ion: 70 Resp: 77716
Ion Ratio Lower Upper
70 100
42 46.2 47.0 70.4#
101 0.0 7.2 10.8#
130 2.3 15.6 23.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.73 min Scan# 1301
Delta R.T. -0.04 min
Lab File: BG044123.D
Acq: 21 Jan 2020 8:14

Tgt Ion: 136 Resp: 370032
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 7.6 7.0 10.4
68 6.3 4.9 7.3

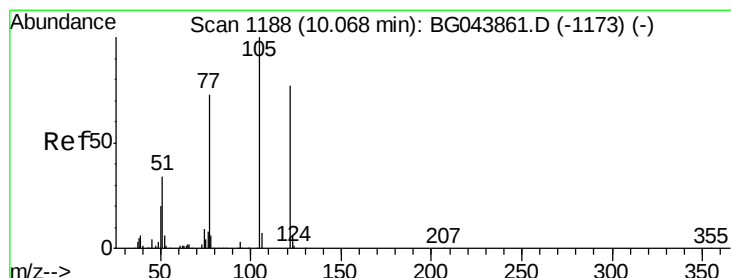
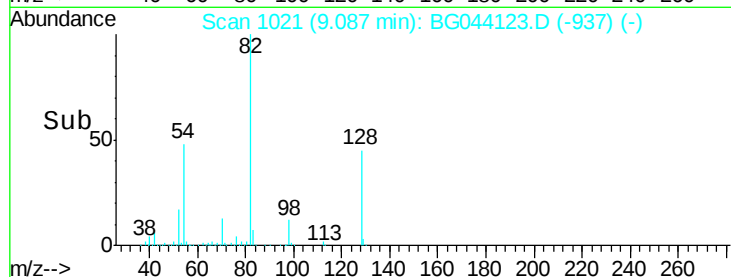
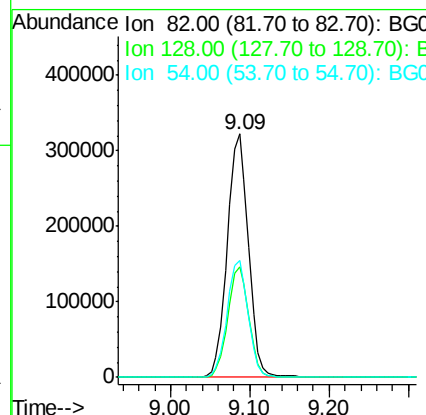
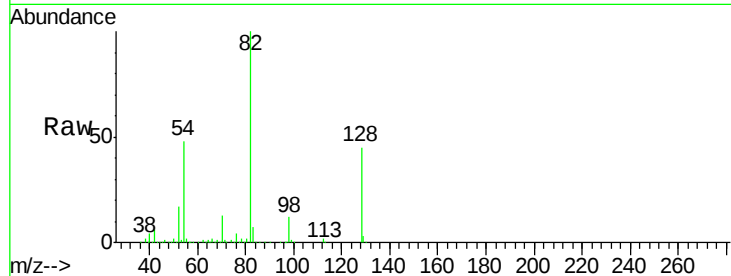




#23
 Nitrobenzene-d5
 Concen: 86.07 ng
 RT: 9.09 min Scan# 1021
 Delta R.T. -0.04 min
 Lab File: BG044123.D
 Acq: 21 Jan 2020 8:14

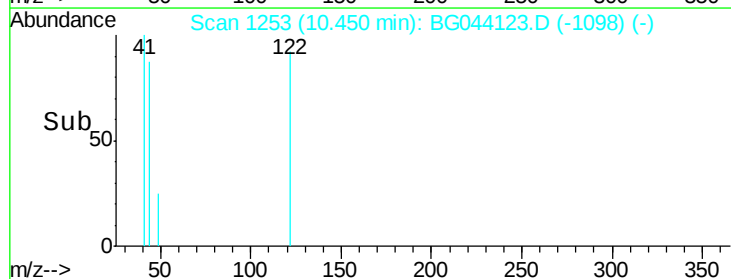
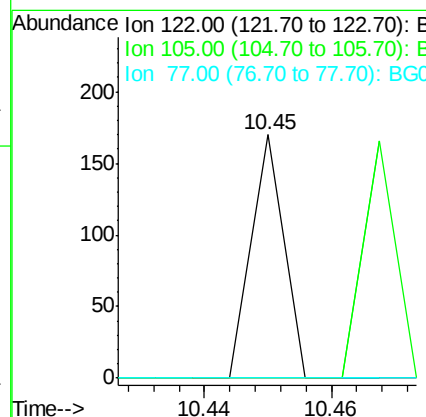
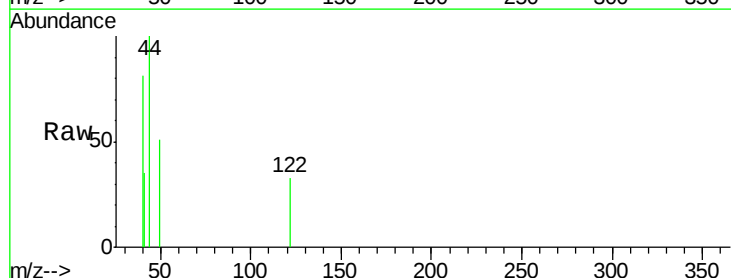
Instrument :
 BNA_G
 ClientSampleId :
 EP-9

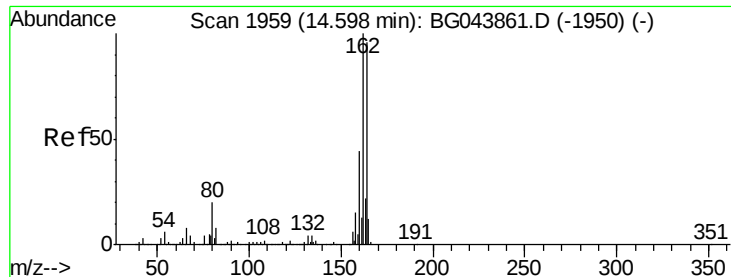
Tgt Ion: 82 Resp: 595374
 Ion Ratio Lower Upper
 82 100
 128 45.3 35.1 52.7
 54 48.2 40.1 60.1



#32
 Benzoic acid
 Concen: 6.28 ng
 RT: 10.45 min Scan# 1253
 Delta R.T. 0.38 min
 Lab File: BG044123.D
 Acq: 21 Jan 2020 8:14

Tgt Ion: 122 Resp: 60
 Ion Ratio Lower Upper
 122 100
 105 0.0 106.4 146.4#
 77 0.0 74.6 114.6#





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.57 min Scan# 1954

Delta R.T. -0.03 min

Lab File: BG044123.D

Acq: 21 Jan 2020 8:14

Instrument :

BNA_G

ClientSampleId :

EP-9

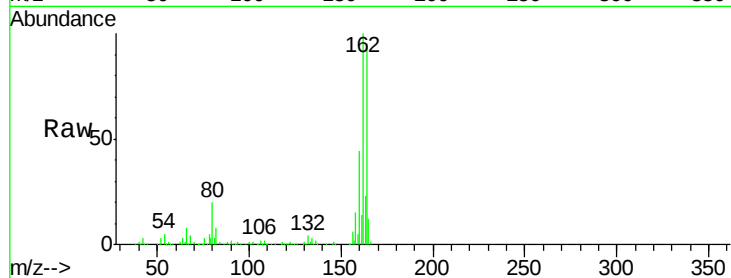
Tgt Ion:164 Resp: 255877

Ion Ratio Lower Upper

164 100

162 105.1 83.0 124.4

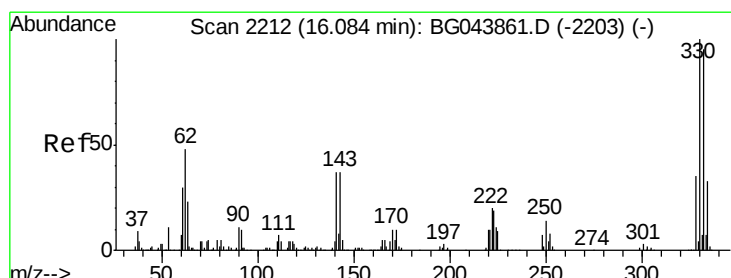
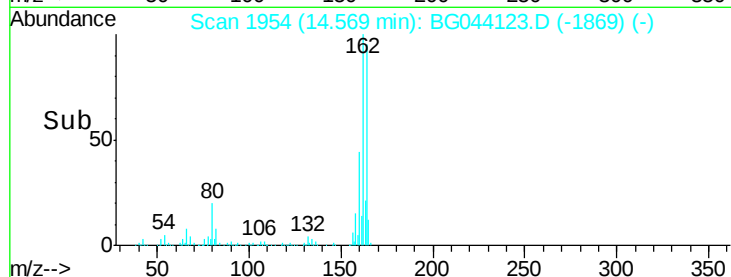
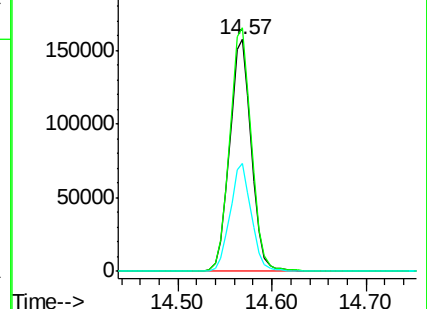
160 46.5 36.1 54.1



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: 144.47 ng

RT: 16.06 min Scan# 2207

Delta R.T. -0.03 min

Lab File: BG044123.D

Acq: 21 Jan 2020 8:14

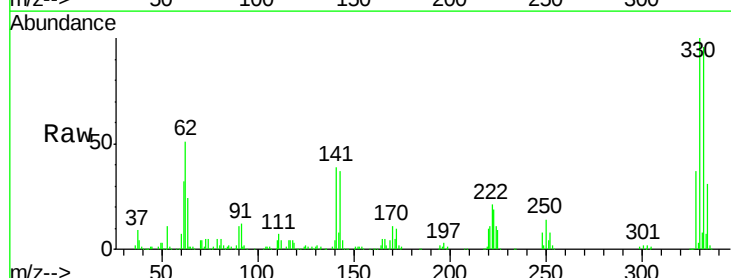
Tgt Ion:330 Resp: 386854

Ion Ratio Lower Upper

330 100

332 96.4 77.2 115.8

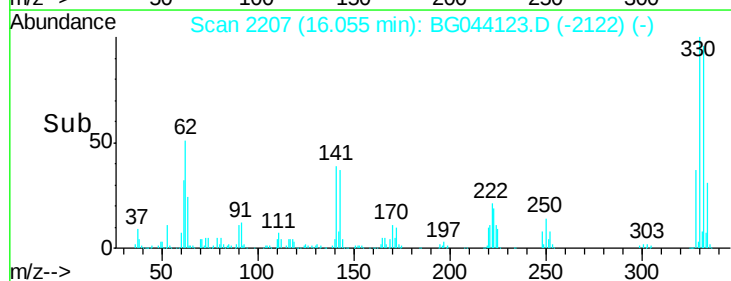
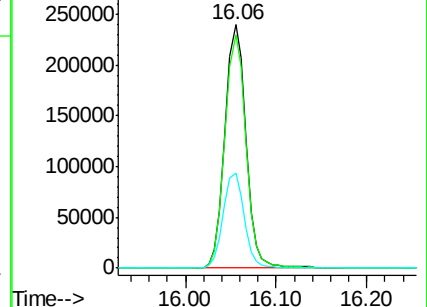
141 39.2 33.1 49.7

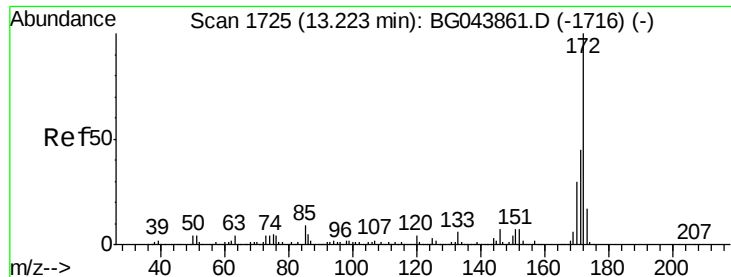


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

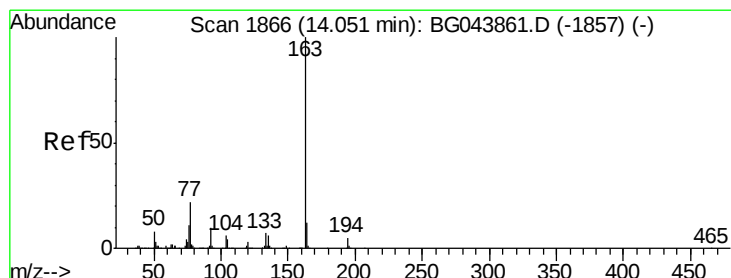
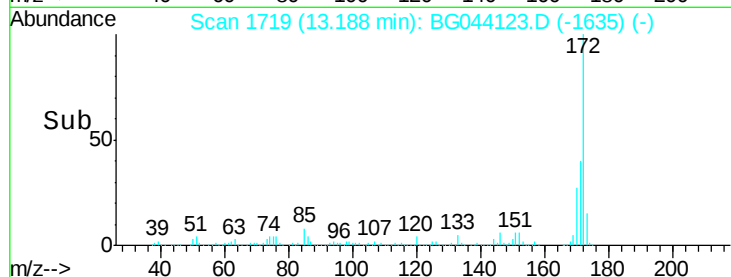
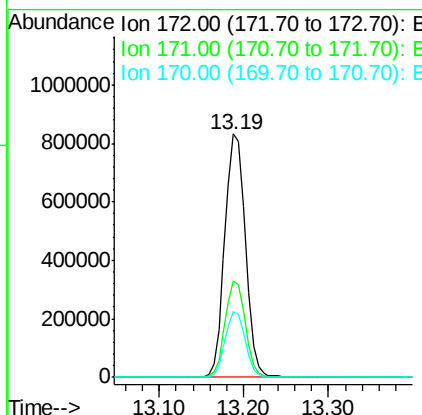
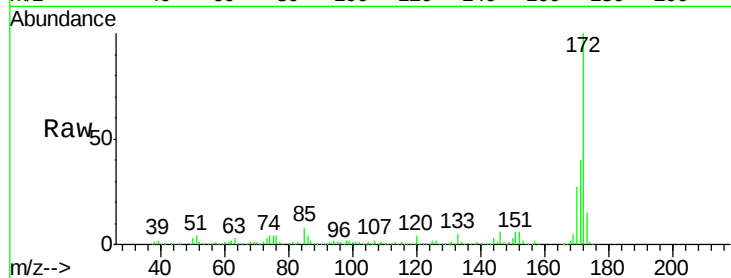




#45
 2-Fluorobiphenyl
 Concen: 99.56 ng
 RT: 13.19 min Scan# 1719
 Delta R.T. -0.04 min
 Lab File: BG044123.D
 Acq: 21 Jan 2020 8:14

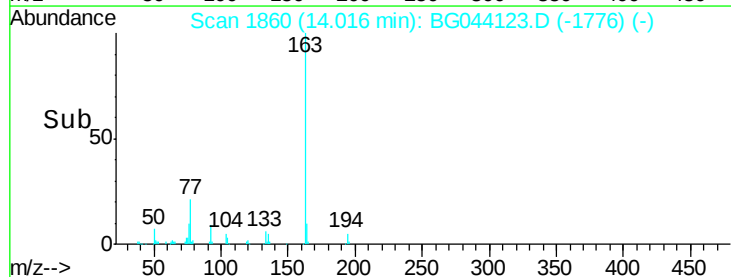
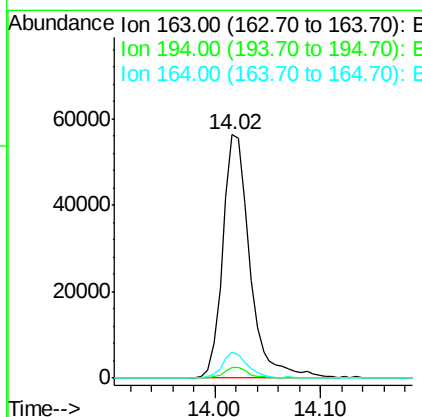
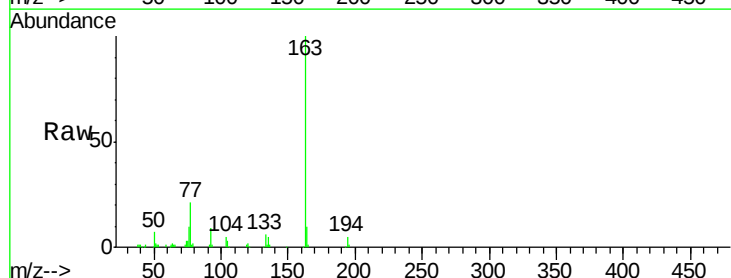
Instrument :
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 ClientSampled :
 EP-9

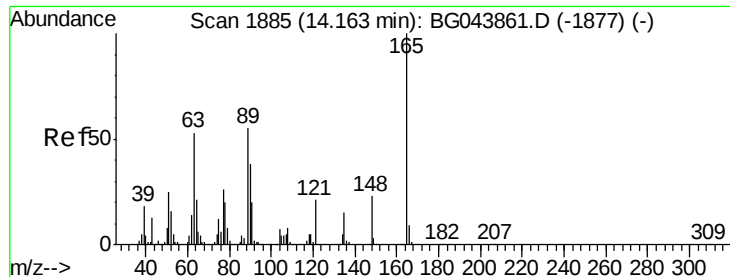
Tgt Ion:172 Resp: 1406135
 Ion Ratio Lower Upper
 172 100
 171 39.6 35.8 53.8
 170 26.8 24.2 36.4



#50
 Dimethylphthalate
 Concen: 5.52 ng
 RT: 14.02 min Scan# 1860
 Delta R.T. -0.04 min
 Lab File: BG044123.D
 Acq: 21 Jan 2020 8:14

Tgt Ion:163 Resp: 100249
 Ion Ratio Lower Upper
 163 100
 194 4.6 3.7 5.5
 164 10.5 9.3 13.9

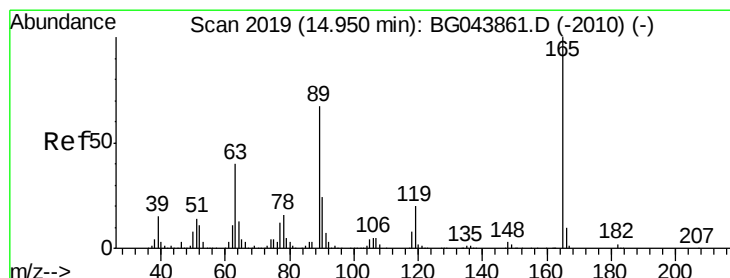
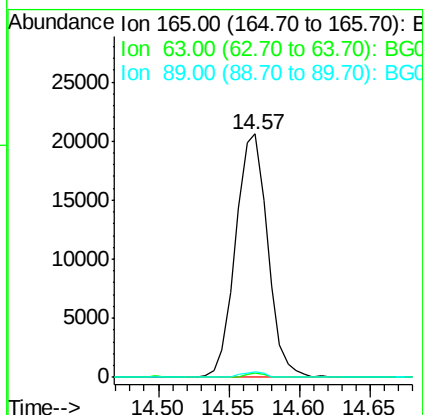
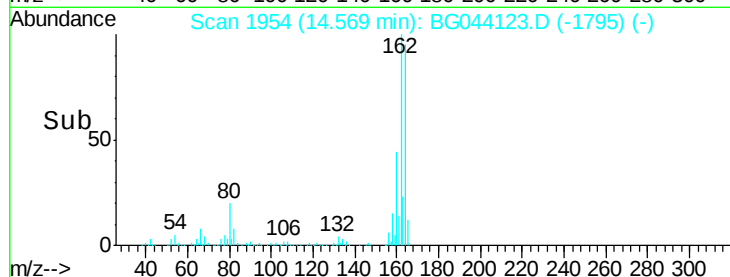
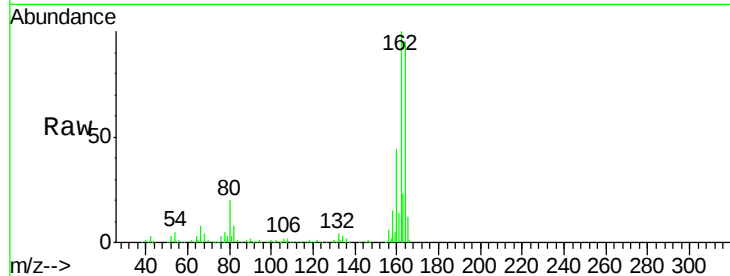




#51
2,6-Dinitrotoluene
Concen: 7.95 ng
RT: 14.57 min Scan# 1954
Delta R.T. 0.41 min
Lab File: BG044123.D
Acq: 21 Jan 2020 8:14

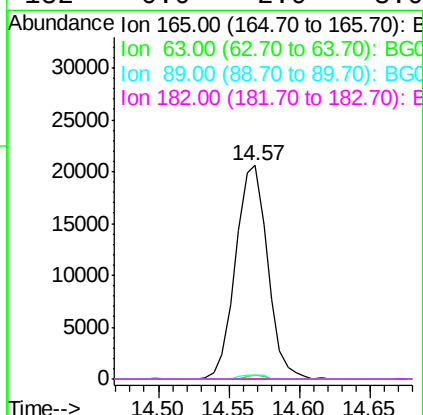
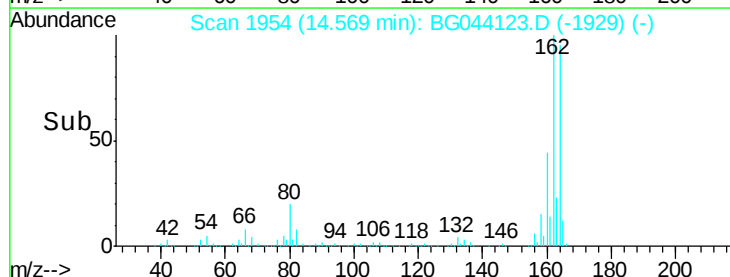
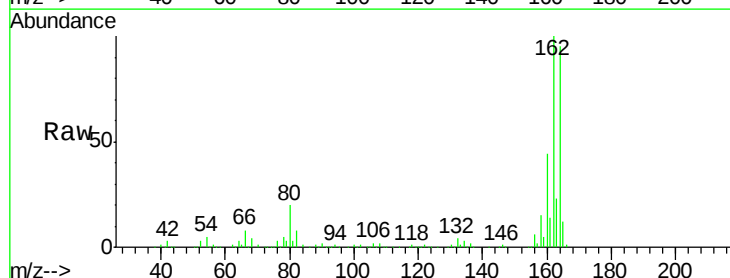
Instrument :
BNA_G
ClientSampled :
EP-9

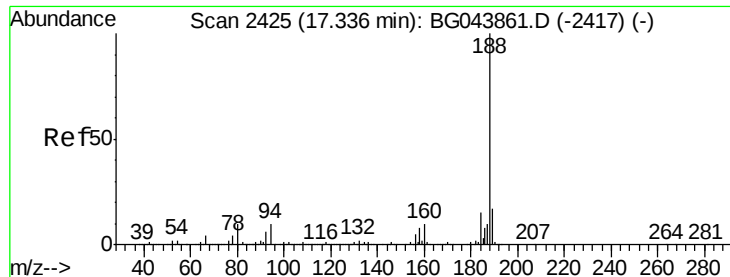
Tgt Ion:165 Resp: 32637
Ion Ratio Lower Upper
165 100
63 1.6 43.1 64.7#
89 2.1 43.8 65.6#



#57
2,4-Dinitrotoluene
Concen: 5.84 ng
RT: 14.57 min Scan# 1954
Delta R.T. -0.38 min
Lab File: BG044123.D
Acq: 21 Jan 2020 8:14

Tgt Ion:165 Resp: 32637
Ion Ratio Lower Upper
165 100
63 1.6 31.9 47.9#
89 2.1 53.8 80.6#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.31 min Scan# 2420

Delta R.T. -0.03 min

Lab File: BG044123.D

Acq: 21 Jan 2020 8:14

Instrument :

BNA_G

ClientSampleId :

EP-9

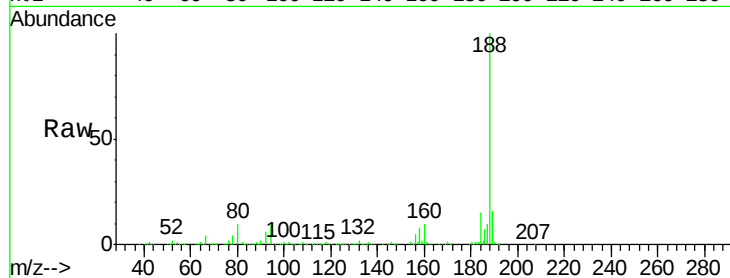
Tgt Ion:188 Resp: 521054

Ion Ratio Lower Upper

188 100

94 9.4 7.9 11.9

80 10.0 8.2 12.4



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

17.31

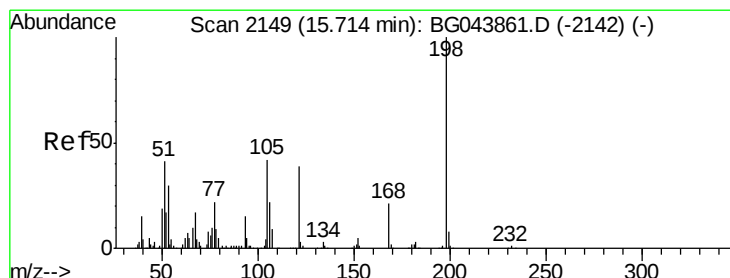
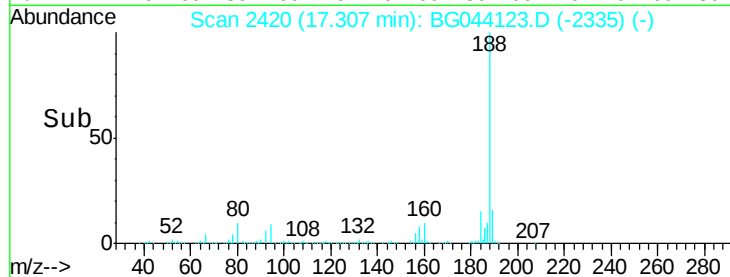
300000

200000

100000

0

Time--> 17.20 17.30 17.40



#65

4,6-Dinitro-2-methylphenol

Concen: 4.76 ng

RT: 16.05 min Scan# 2206

Delta R.T. 0.34 min

Lab File: BG044123.D

Acq: 21 Jan 2020 8:14

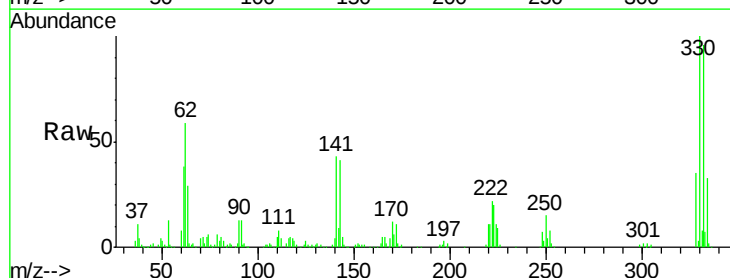
Tgt Ion:198 Resp: 1099

Ion Ratio Lower Upper

198 100

51 123.8 22.5 62.5#

105 123.3 22.3 62.3#



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

16.05

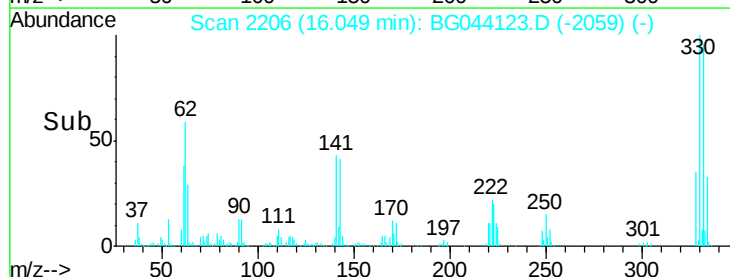
1500

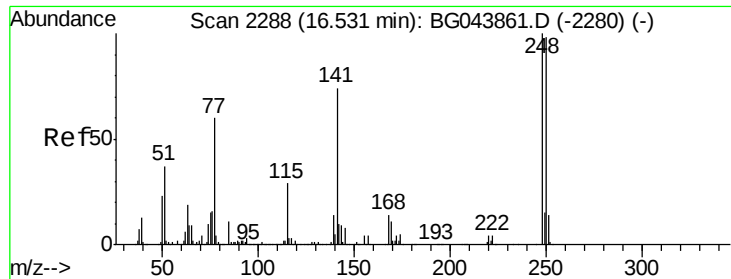
1000

500

0

Time--> 16.05

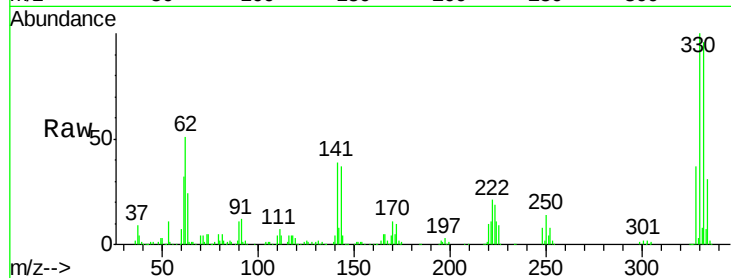




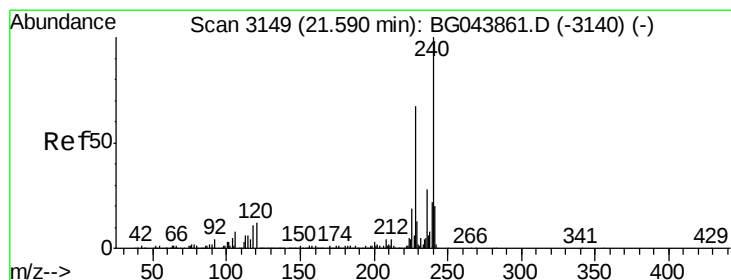
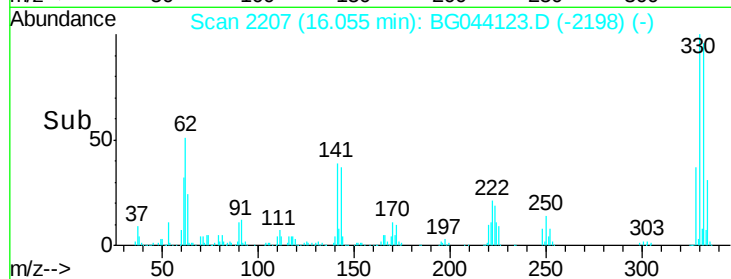
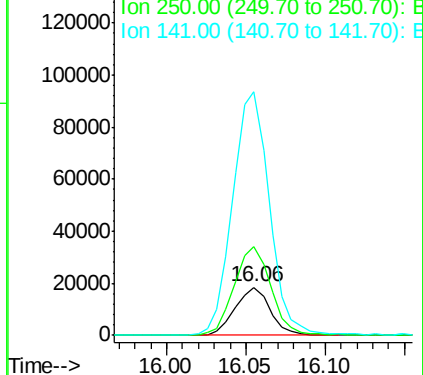
#67
 4-Bromophenyl-phenylether
 Concen: 4.83 ng
 RT: 16.06 min Scan# 2207
 Delta R.T. -0.48 min
 Lab File: BG044123.D
 Acq: 21 Jan 2020 8:14

Instrument :
 BNA_G
 ClientSampleId :
 EP-9

Tgt Ion:248 Resp: 28316
 Ion Ratio Lower Upper
 248 100
 250 183.6 78.2 117.2#
 141 504.9 59.3 88.9#

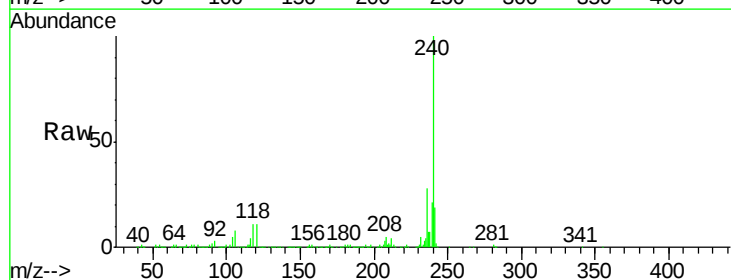


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

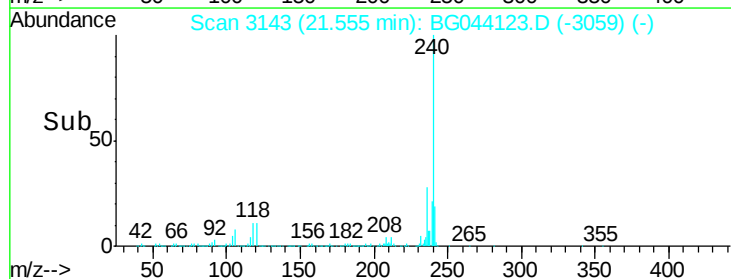
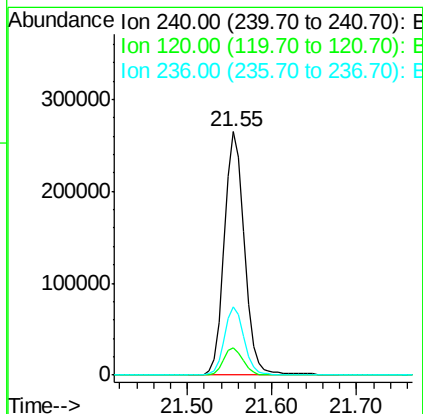


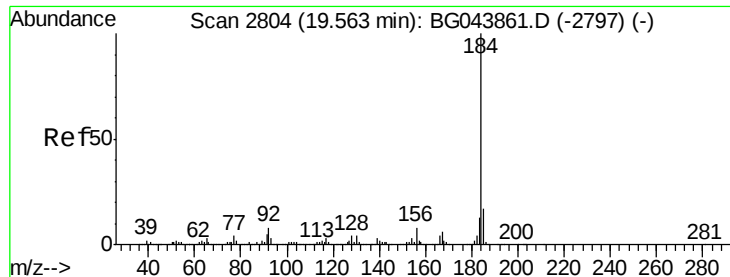
#76
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.55 min Scan# 3143
 Delta R.T. -0.04 min
 Lab File: BG044123.D
 Acq: 21 Jan 2020 8:14

Tgt Ion:240 Resp: 437280
 Ion Ratio Lower Upper
 240 100
 120 11.1 9.6 14.4
 236 27.9 22.2 33.2



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: 3.08 ng

RT: 19.93 min Scan# 2866

Delta R.T. 0.36 min

Lab File: BG044123.D

Acq: 21 Jan 2020 8:14

Instrument :

BNA_G

ClientSampleId :

EP-9

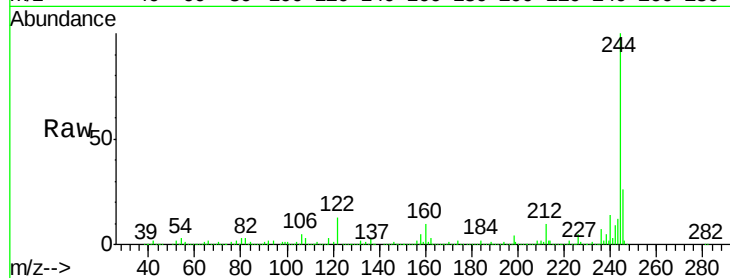
Tgt Ion:184 Resp: 33814

Ion Ratio Lower Upper

184 100

185 16.2 13.4 20.0

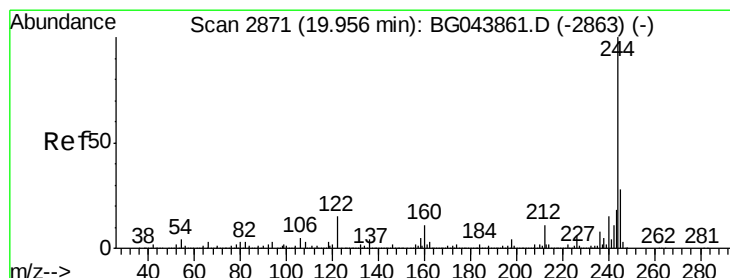
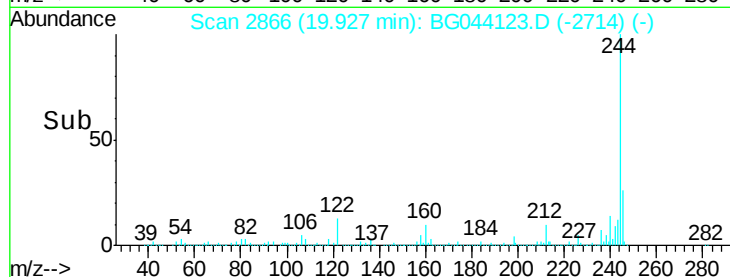
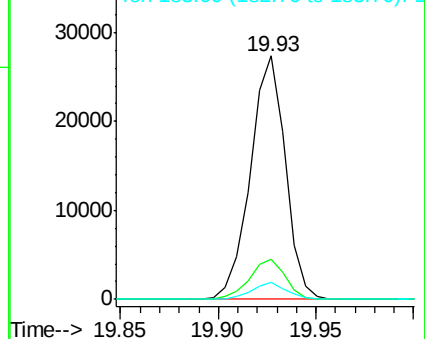
183 7.1 10.6 15.8#



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: 116.41 ng

RT: 19.93 min Scan# 2866

Delta R.T. -0.03 min

Lab File: BG044123.D

Acq: 21 Jan 2020 8:14

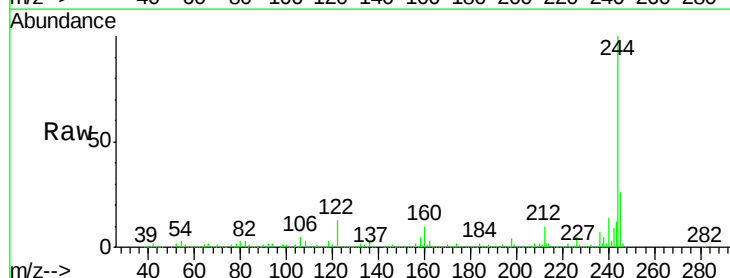
Tgt Ion:244 Resp: 1925808

Ion Ratio Lower Upper

244 100

212 9.7 8.6 13.0

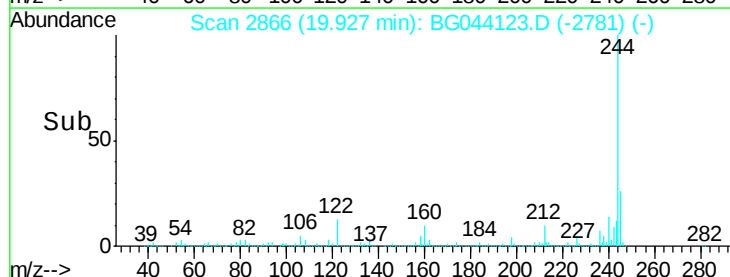
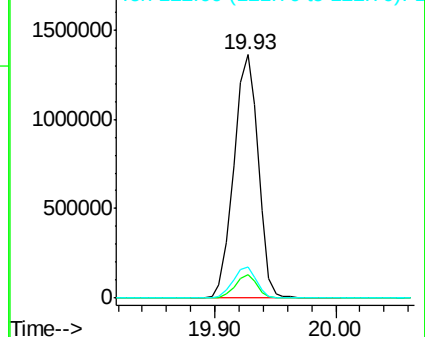
122 12.6 11.9 17.9

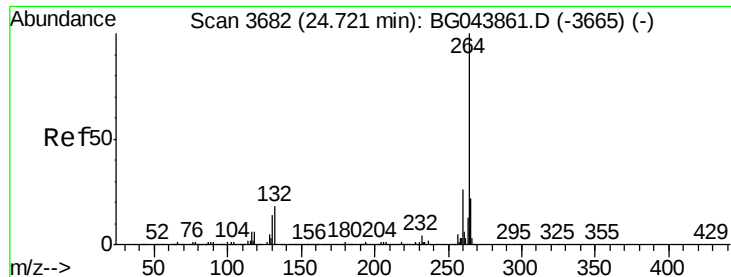


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.66 min Scan# 3672
Delta R.T. -0.06 min
Lab File: BG044123.D
Acq: 21 Jan 2020 8:14

Instrument :
BNA_G
ClientSampleId :
EP-9

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.4	30.6
265	21.5	17.4	26.2

