

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG012020\
 Data File : BG044124.D
 Acq On : 21 Jan 2020 8:53
 Operator : JU
 Sample : L1176-12
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EP-10

Quant Time: Jan 21 10:19:11 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

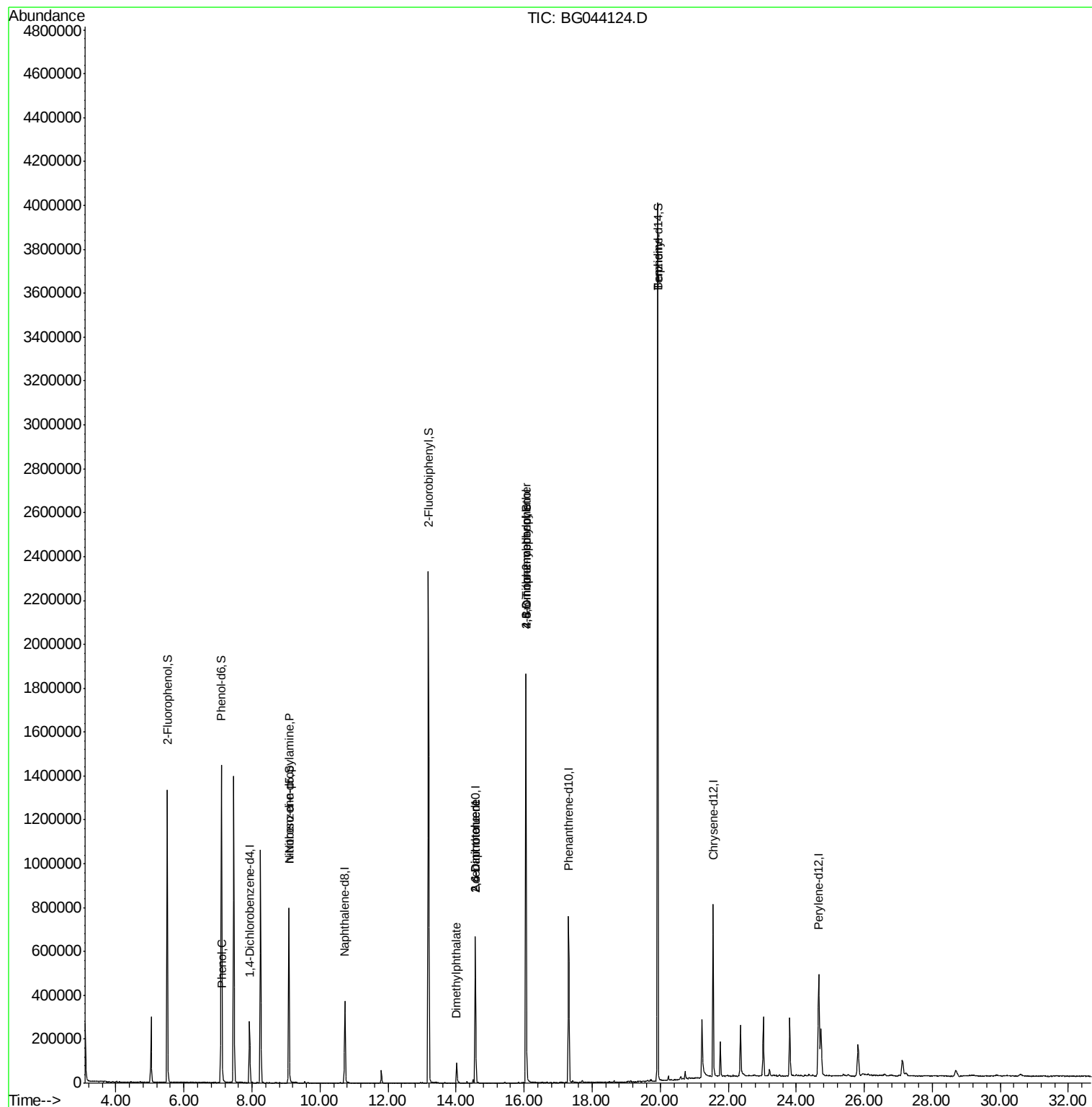
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	81946	20.00	ng	-0.03
21) Naphthalene-d8	10.73	136	356266	20.00	ng	-0.03
39) Acenaphthene-d10	14.56	164	245793	20.00	ng	-0.03
64) Phenanthrene-d10	17.31	188	516092	20.00	ng	-0.03
76) Chrysene-d12	21.56	240	439107	20.00	ng	-0.03
87) Perylene-d12	24.66	264	485107	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	630832	141.35	ng	-0.03
7) Phenol-d6	7.10	99	912639	146.29	ng	-0.02
23) Nitrobenzene-d5	9.08	82	529883	79.57	ng	-0.04
42) 2,4,6-Tribromophenol	16.06	330	361927	140.71	ng	-0.03
45) 2-Fluorobiphenyl	13.19	172	1272801	93.82	ng	-0.03
79) Terphenyl-d14	19.93	244	1844060	108.57	ng	-0.03
Target Compounds						
10) Phenol	7.13	94	29471	4.59	ng	Qvalue 98
19) n-Nitroso-di-n-propylamine	9.09	70	67370	14.50	ng	# 80
50) Dimethylphthalate	14.02	163	79452	4.55	ng	96
51) 2,6-Dinitrotoluene	14.56	165	32127	8.14	ng	# 26
57) 2,4-Dinitrotoluene	14.56	165	32127	5.99	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.05	198	1174	4.79	ng	# 1
67) 4-Bromophenyl-phenylether	16.06	248	25908	4.46	ng	# 1
77) Benzidine	19.93	184	32447	2.94	ng	# 93

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG012020\
Data File : BG044124.D
Acq On : 21 Jan 2020 8:53
Operator : JU
Sample : L1176-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EP-10

Quant Time: Jan 21 10:19:11 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



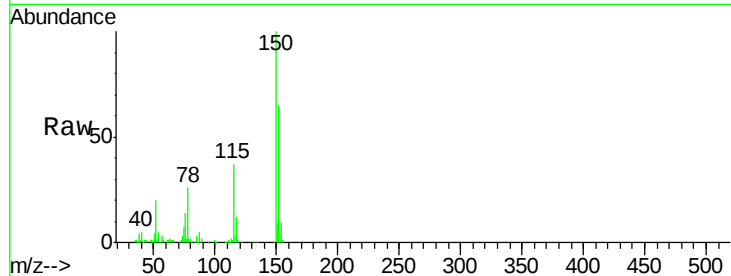


#1

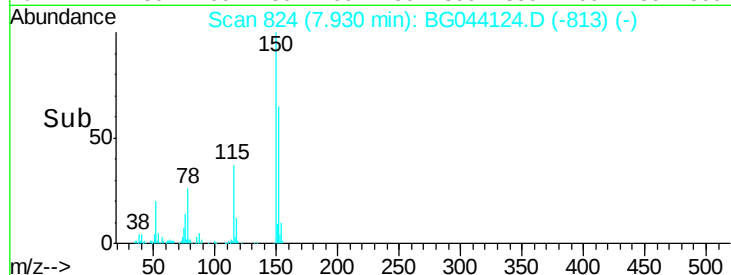
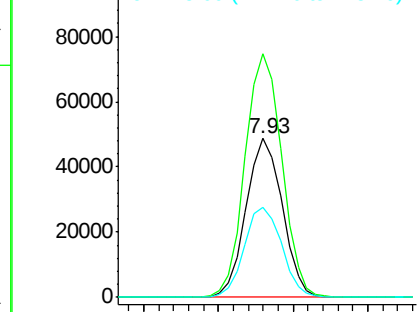
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.03 min
Lab File: BG044124.D
Acq: 21 Jan 2020 8:53

Instrument :
BNA_G
ClientSampleId :
EP-10

Tgt Ion:152 Resp: 81946
Ion Ratio Lower Upper
152 100
150 153.6 127.0 190.4
115 56.6 47.8 71.8



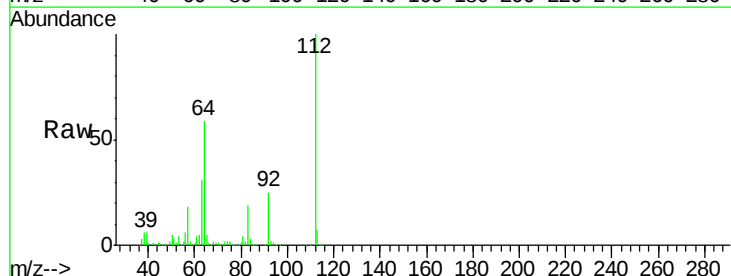
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



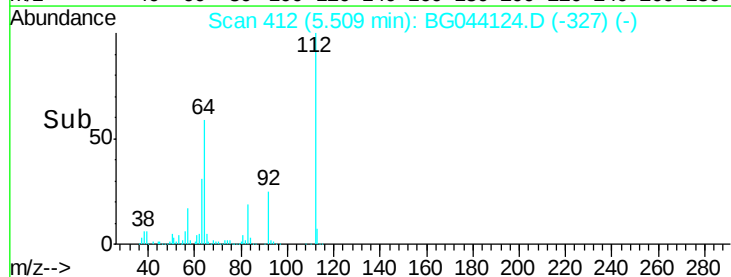
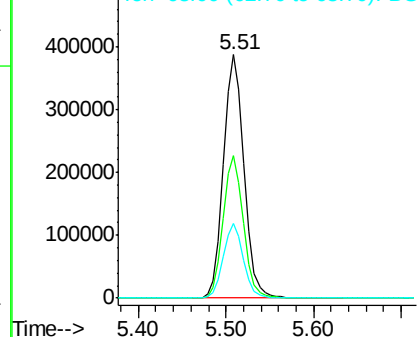
#5

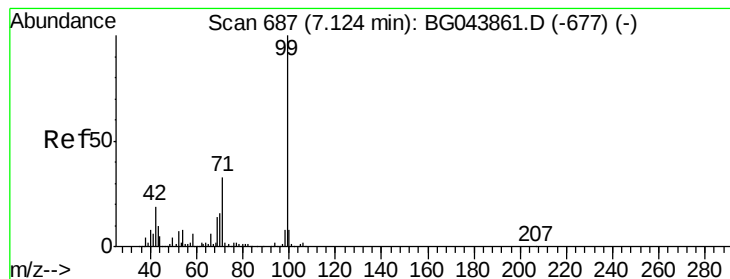
2-Fluorophenol
Concen: 141.35 ng
RT: 5.51 min Scan# 412
Delta R.T. -0.03 min
Lab File: BG044124.D
Acq: 21 Jan 2020 8:53

Tgt Ion:112 Resp: 630832
Ion Ratio Lower Upper
112 100
64 58.5 47.8 71.6
63 30.7 24.3 36.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 146.29 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.02 min

Lab File: BG044124.D

Acq: 21 Jan 2020 8:53

Instrument :

BNA_G

ClientSampleId :

EP-10

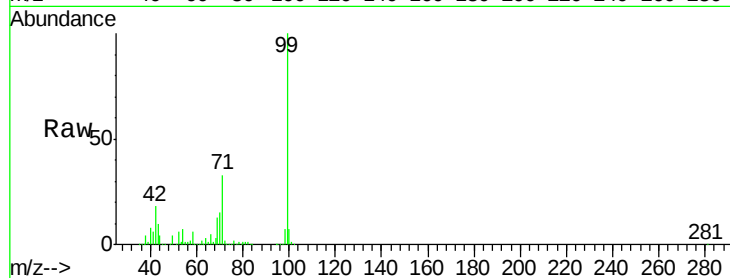
Tgt Ion: 99 Resp: 912639

Ion Ratio Lower Upper

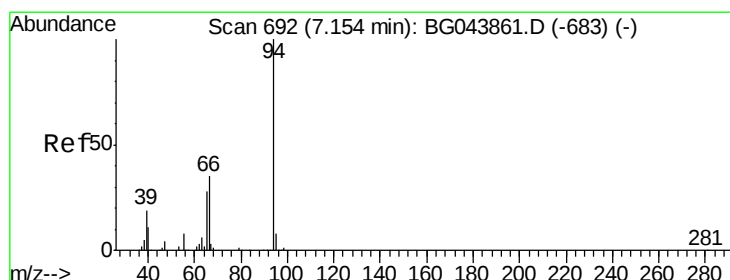
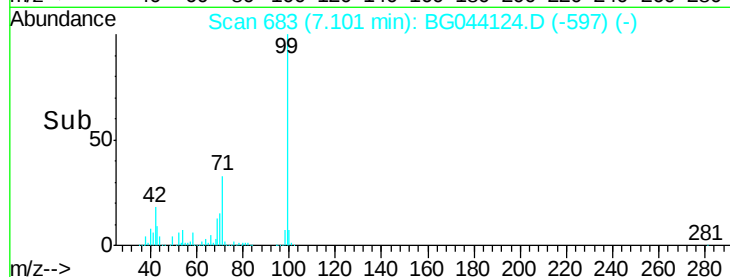
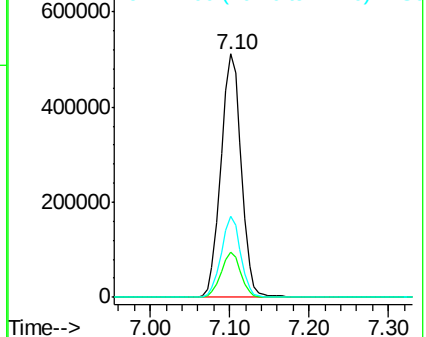
99 100

42 18.5 14.9 22.3

71 33.1 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: 4.59 ng

RT: 7.13 min Scan# 688

Delta R.T. -0.02 min

Lab File: BG044124.D

Acq: 21 Jan 2020 8:53

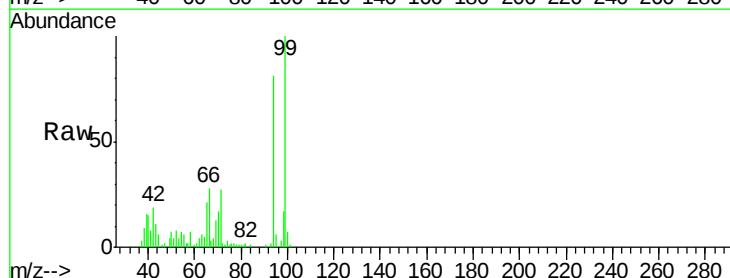
Tgt Ion: 94 Resp: 29471

Ion Ratio Lower Upper

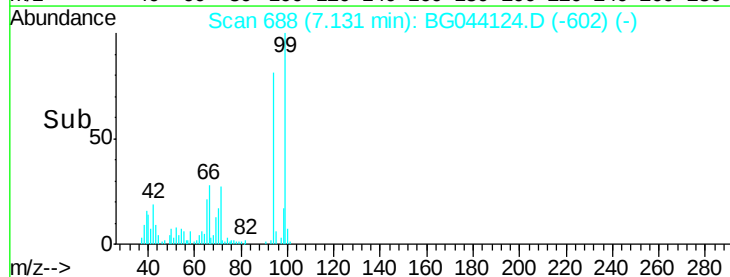
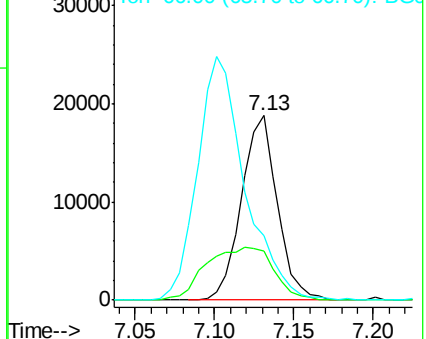
94 100

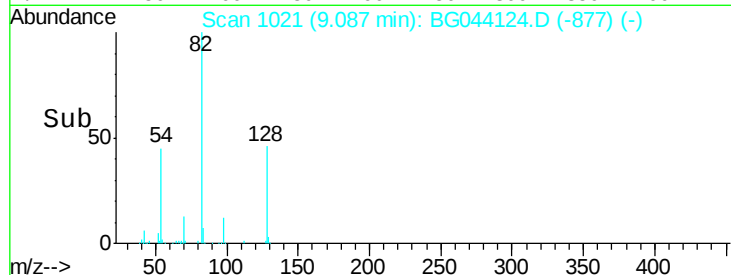
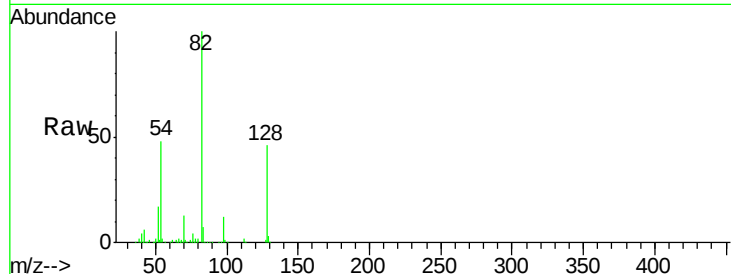
65 26.4 8.1 48.1

66 35.0 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

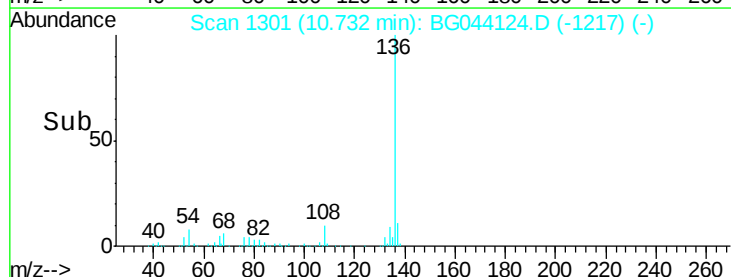
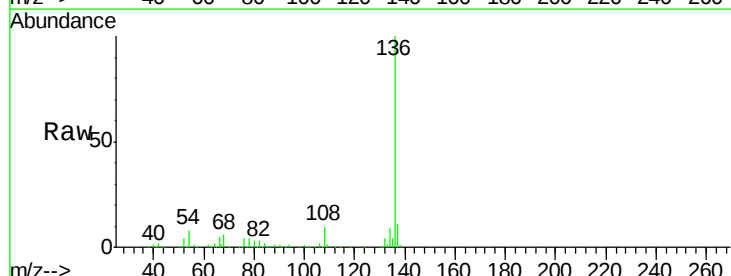
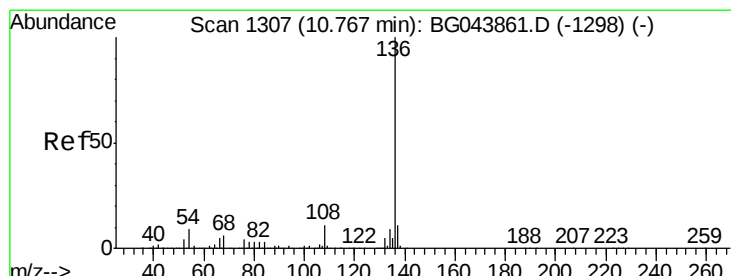
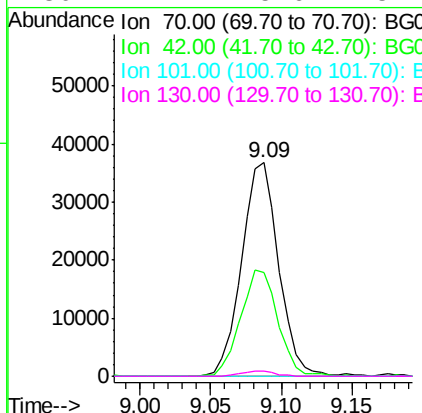




#19
n-Nitroso-di-n-propylamine
Concen: 14.50 ng
RT: 9.09 min Scan# 1021
Delta R.T. 0.32 min
Lab File: BG044124.D
Acq: 21 Jan 2020 8:53

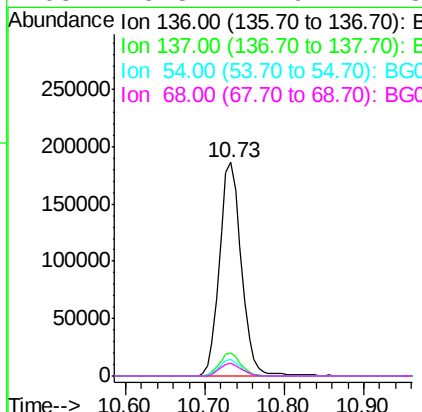
Instrument :
BNA_G
ClientSampleId :
EP-10

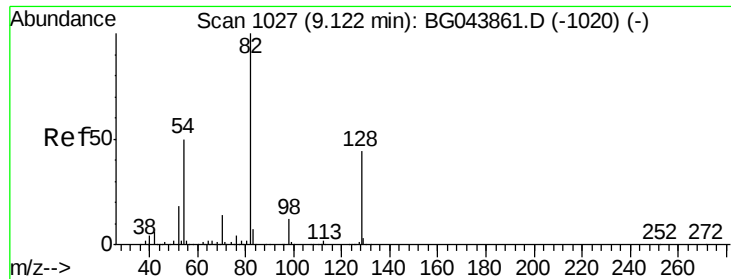
Tgt Ion:	70	Resp:	67370
Ion	Ratio	Lower	Upper
70	100		
42	48.4	47.0	70.4
101	0.0	7.2	10.8#
130	2.1	15.6	23.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.73 min Scan# 1301
Delta R.T. -0.03 min
Lab File: BG044124.D
Acq: 21 Jan 2020 8:53

Tgt Ion:	136	Resp:	356266
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	7.6	7.0	10.4
68	5.8	4.9	7.3

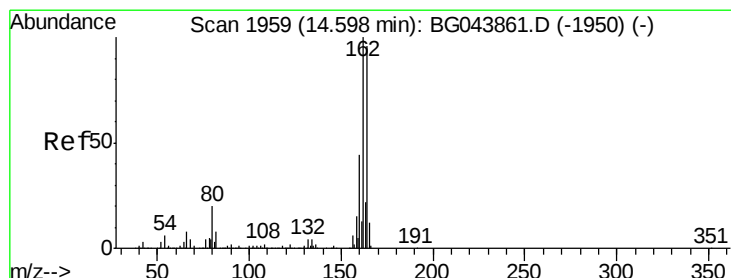
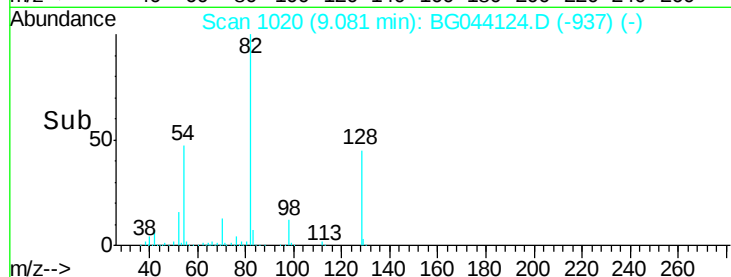
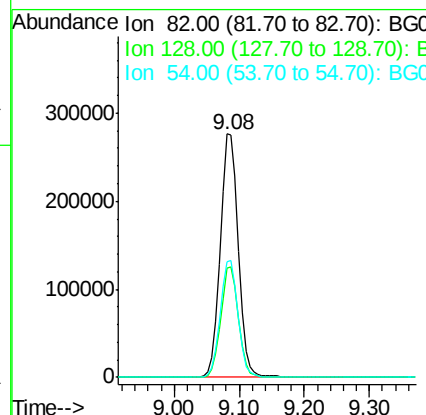
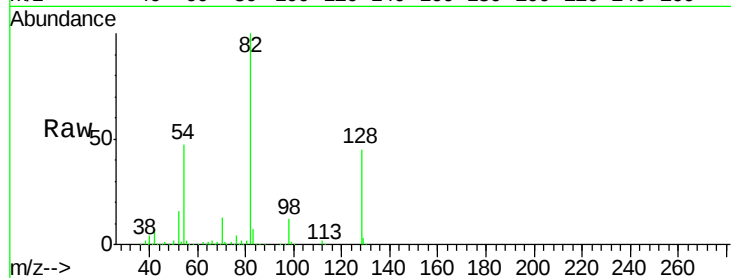




#23
 Nitrobenzene-d5
 Concen: 79.57 ng
 RT: 9.08 min Scan# 1020
 Delta R.T. -0.04 min
 Lab File: BG044124.D
 Acq: 21 Jan 2020 8:53

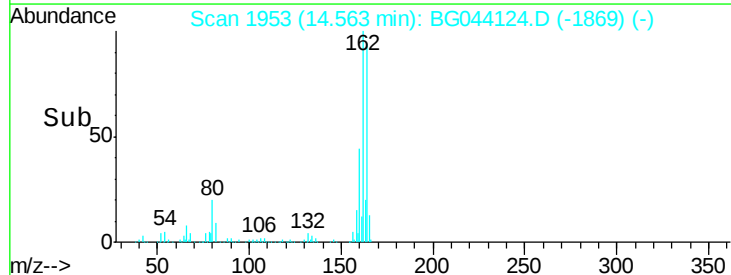
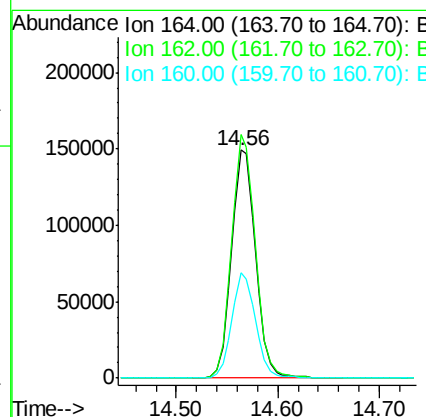
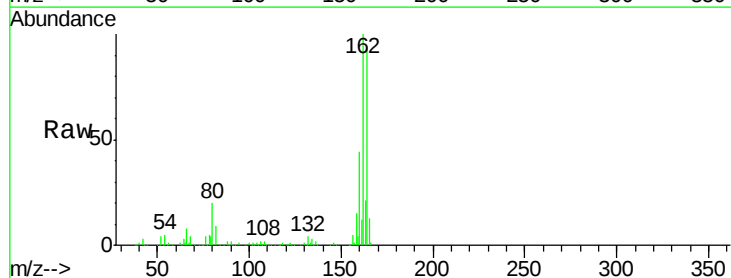
Instrument :
 BNA_G
 ClientSampleId :
 EP-10

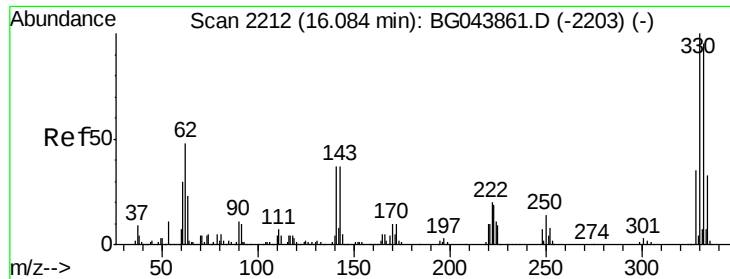
Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.7	35.1	52.7
54	47.4	40.1	60.1



#39
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.56 min Scan# 1953
 Delta R.T. -0.03 min
 Lab File: BG044124.D
 Acq: 21 Jan 2020 8:53

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.8	83.0	124.4
160	46.5	36.1	54.1

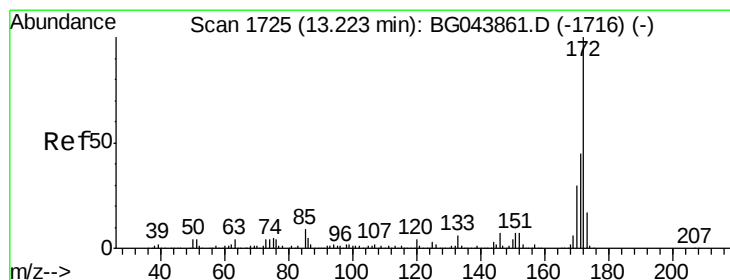
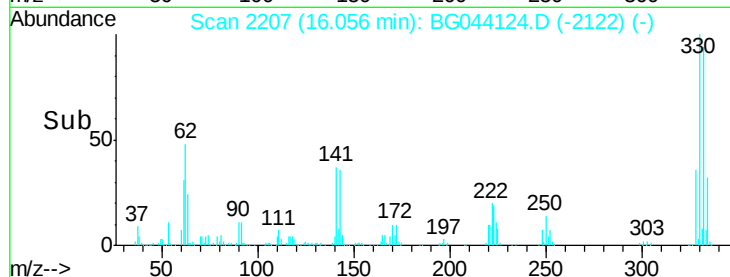
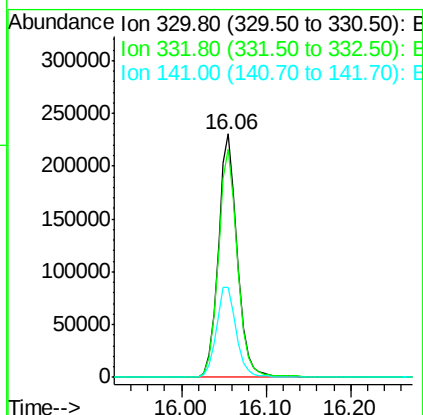
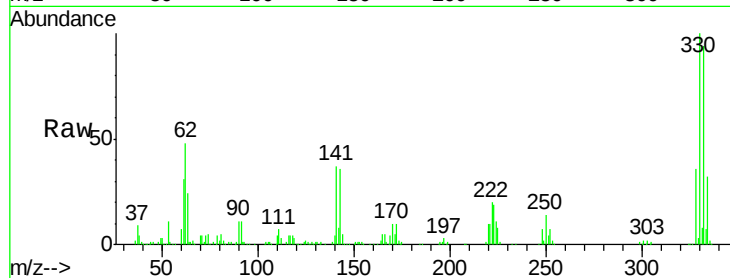




#42
 2,4,6-Tribromophenol
 Concen: 140.71 ng
 RT: 16.06 min Scan# 2207
 Delta R.T. -0.03 min
 Lab File: BG044124.D
 Acq: 21 Jan 2020 8:53

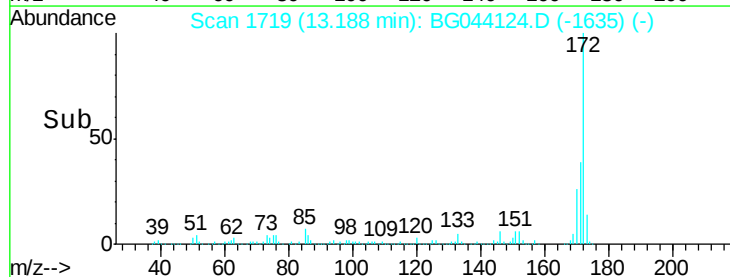
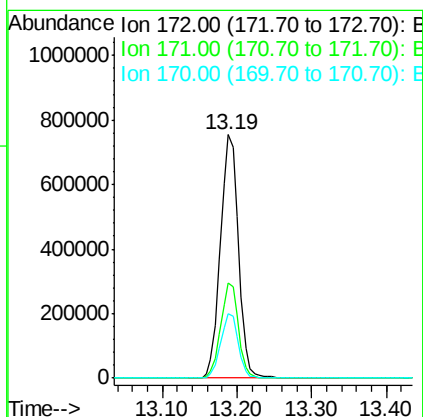
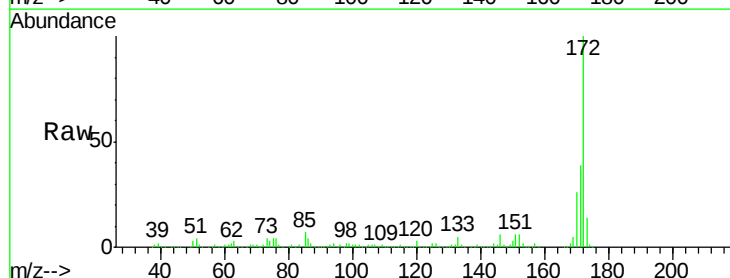
Instrument :
 BNA_G
 ClientSampleId :
 EP-10

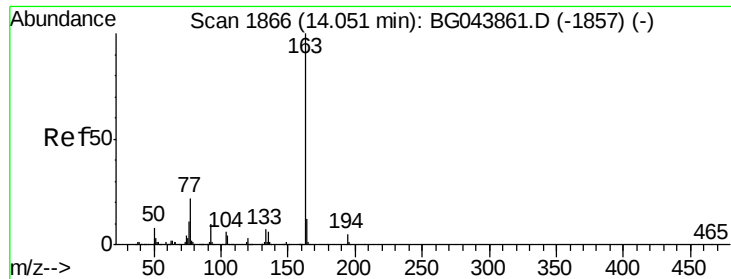
Tgt Ion:330 Resp: 361927
 Ion Ratio Lower Upper
 330 100
 332 95.2 77.2 115.8
 141 39.3 33.1 49.7



#45
 2-Fluorobiphenyl
 Concen: 93.82 ng
 RT: 13.19 min Scan# 1719
 Delta R.T. -0.03 min
 Lab File: BG044124.D
 Acq: 21 Jan 2020 8:53

Tgt Ion:172 Resp: 1272801
 Ion Ratio Lower Upper
 172 100
 171 39.0 35.8 53.8
 170 26.4 24.2 36.4





#50

Dimethylphthalate

Concen: 4.55 ng

RT: 14.02 min Scan# 1861

Delta R.T. -0.03 min

Lab File: BG044124.D

Acq: 21 Jan 2020 8:53

Instrument :

BNA_G

ClientSampleId :

EP-10

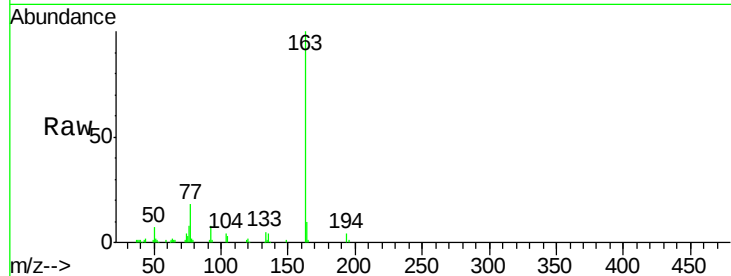
Tgt Ion:163 Resp: 79452

Ion Ratio Lower Upper

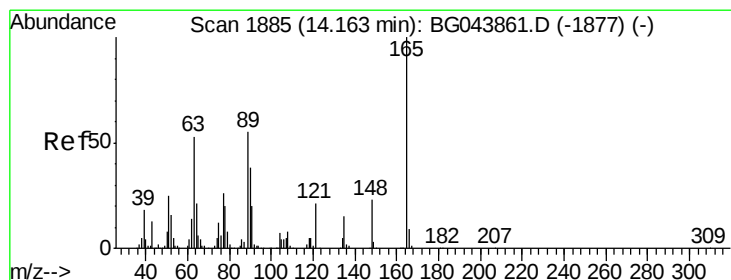
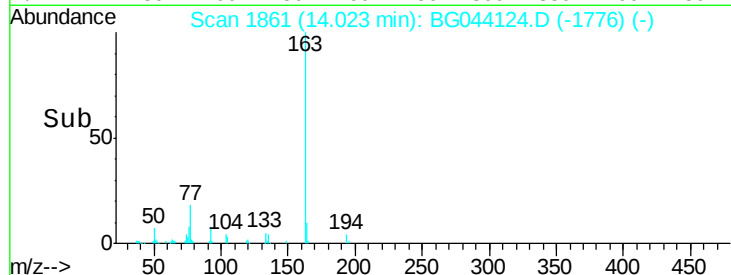
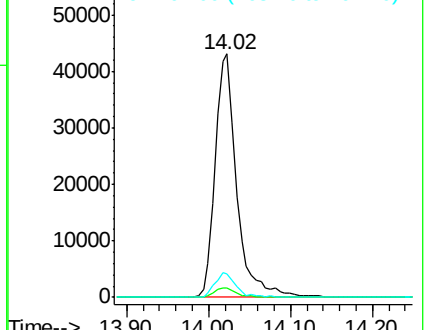
163 100

194 4.0 3.7 5.5

164 9.9 9.3 13.9



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



#51

2,6-Dinitrotoluene

Concen: 8.14 ng

RT: 14.56 min Scan# 1953

Delta R.T. 0.40 min

Lab File: BG044124.D

Acq: 21 Jan 2020 8:53

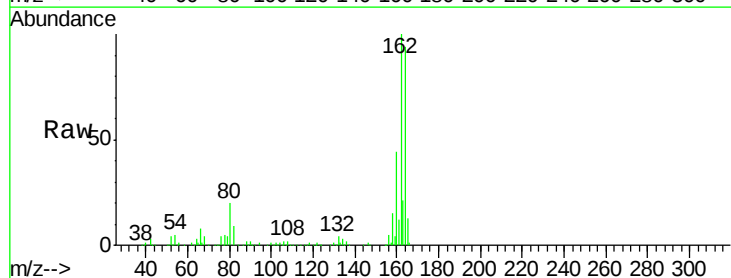
Tgt Ion:165 Resp: 32127

Ion Ratio Lower Upper

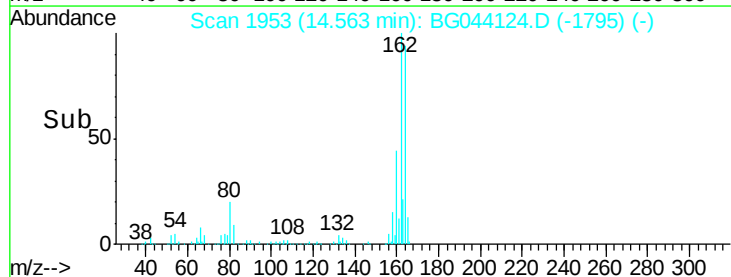
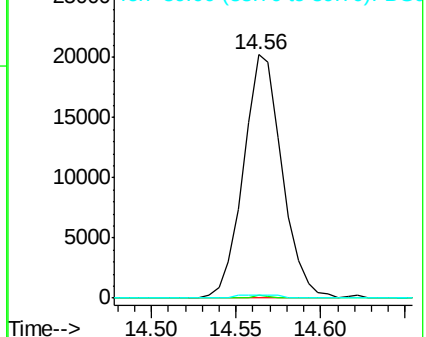
165 100

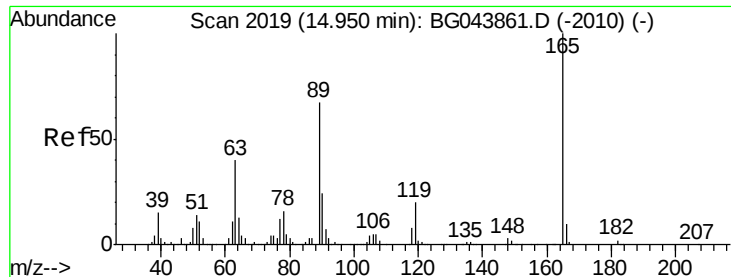
63 1.4 43.1 64.7#

89 1.5 43.8 65.6#



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

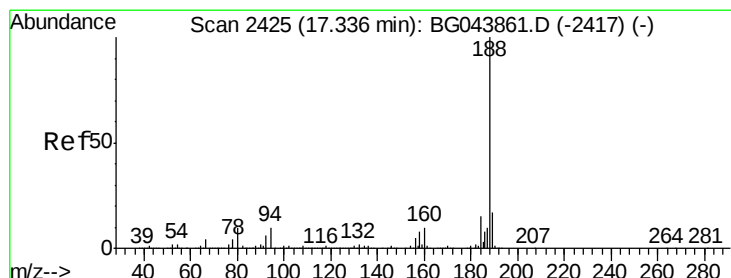
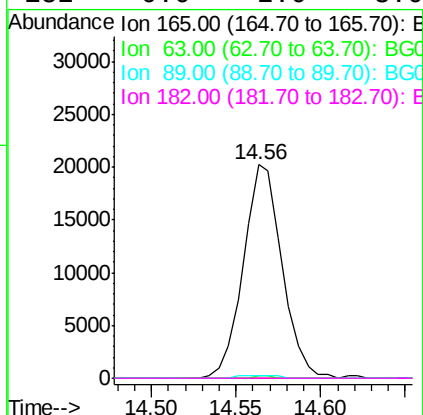
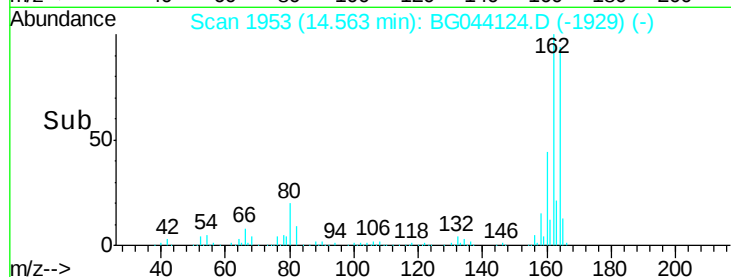
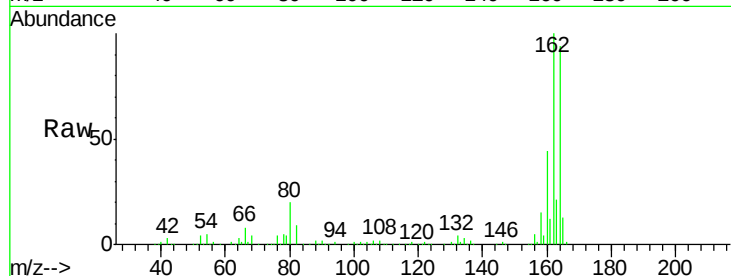




#57
 2,4-Dinitrotoluene
 Concen: 5.99 ng
 RT: 14.56 min Scan# 1953
 Delta R.T. -0.39 min
 Lab File: BG044124.D
 Acq: 21 Jan 2020 8:53

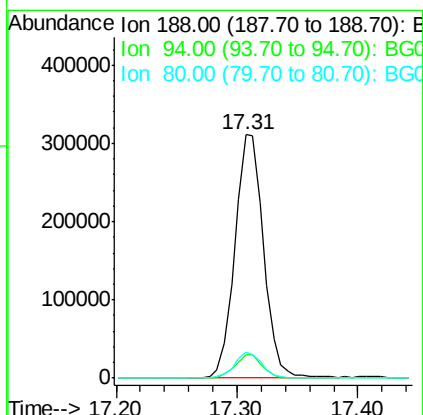
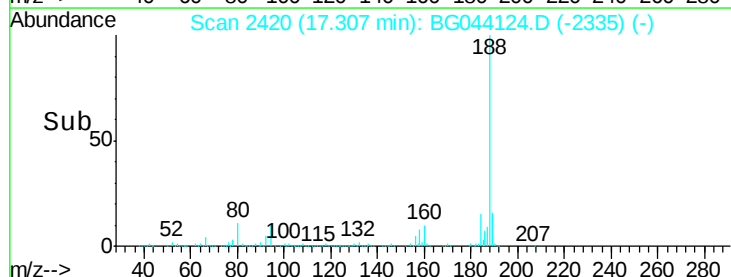
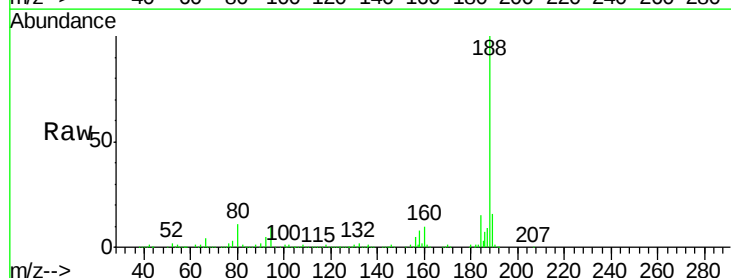
Instrument :
 BNA_G
 ClientSampleId :
 EP-10

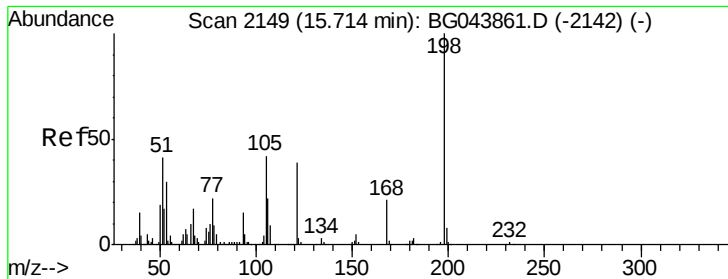
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	31.9	47.9#
89	1.5	53.8	80.6#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.31 min Scan# 2420
 Delta R.T. -0.03 min
 Lab File: BG044124.D
 Acq: 21 Jan 2020 8:53

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.7	7.9	11.9
80	10.6	8.2	12.4

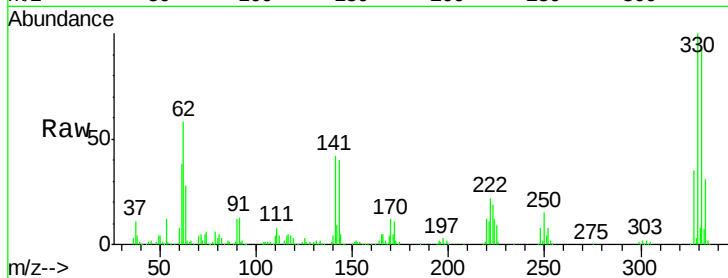




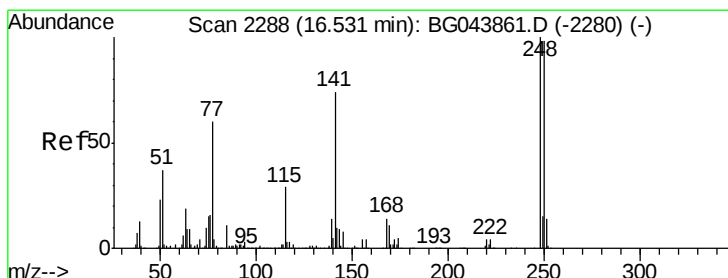
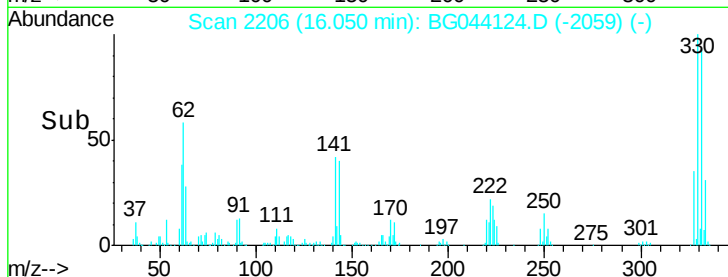
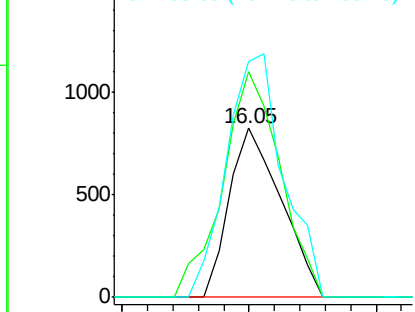
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.79 ng
 RT: 16.05 min Scan# 2206
 Delta R.T. 0.34 min
 Lab File: BG044124.D
 Acq: 21 Jan 2020 8:53

Instrument :
 BNA_G
 ClientSampleId :
 EP-10

Tgt Ion:198 Resp: 1174
 Ion Ratio Lower Upper
 198 100
 51 133.5 22.5 62.5#
 105 139.9 22.3 62.3#

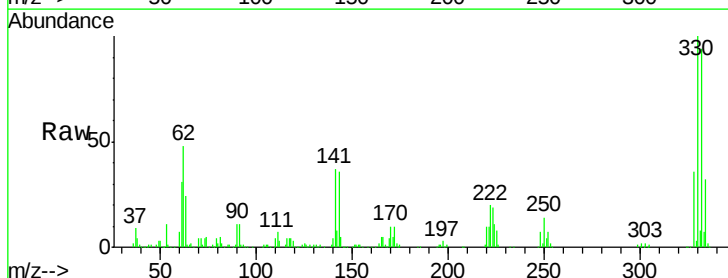


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 105.00 (104.70 to 105.70): E

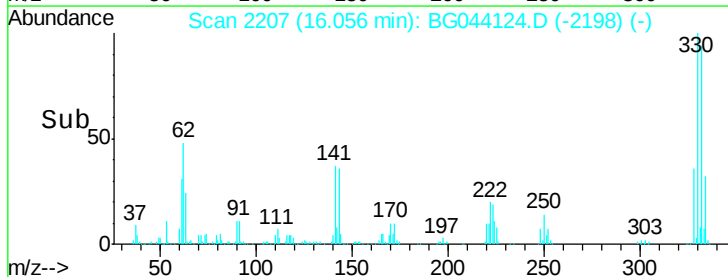
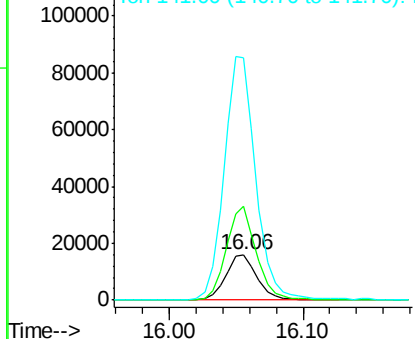


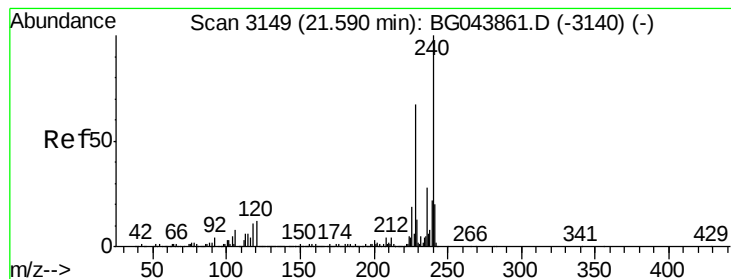
#67
 4-Bromophenyl-phenylether
 Concen: 4.46 ng
 RT: 16.06 min Scan# 2207
 Delta R.T. -0.48 min
 Lab File: BG044124.D
 Acq: 21 Jan 2020 8:53

Tgt Ion:248 Resp: 25908
 Ion Ratio Lower Upper
 248 100
 250 207.0 78.2 117.2#
 141 535.8 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: 21.56 min Scan# 3143

Delta R.T. -0.03 min

Lab File: BG044124.D

Acq: 21 Jan 2020 8:53

Instrument :

BNA_G

ClientSampleId :

EP-10

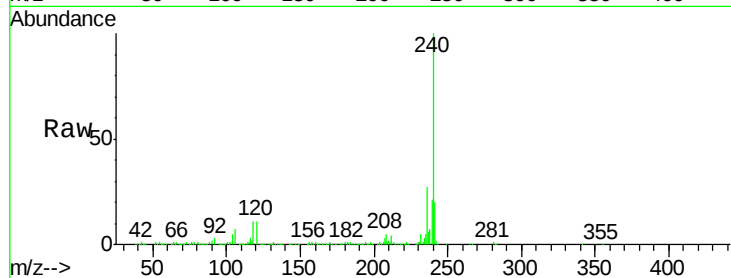
Tgt Ion:240 Resp: 439107

Ion Ratio Lower Upper

240 100

120 11.1 9.6 14.4

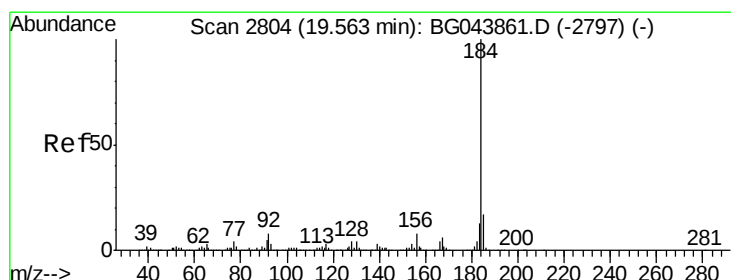
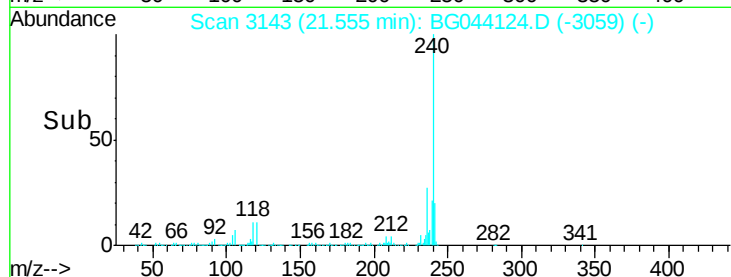
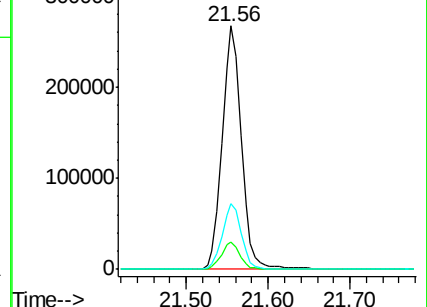
236 27.1 22.2 33.2



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: 2.94 ng

RT: 19.93 min Scan# 2866

Delta R.T. 0.36 min

Lab File: BG044124.D

Acq: 21 Jan 2020 8:53

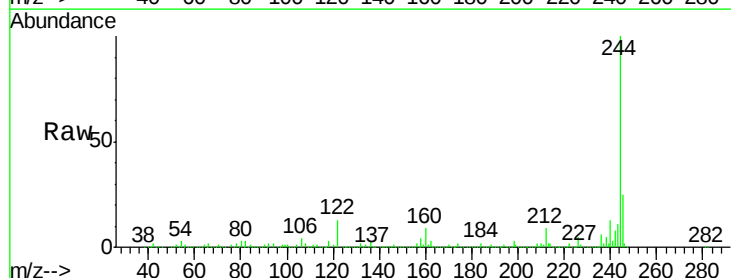
Tgt Ion:184 Resp: 32447

Ion Ratio Lower Upper

184 100

185 16.8 13.4 20.0

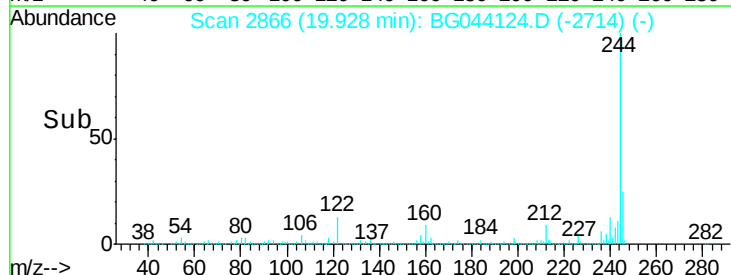
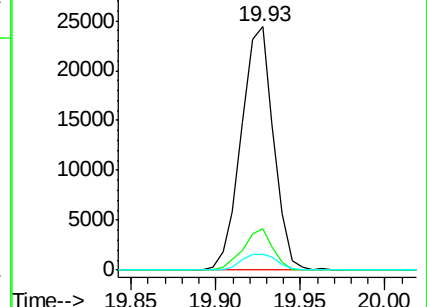
183 6.7 10.6 15.8#

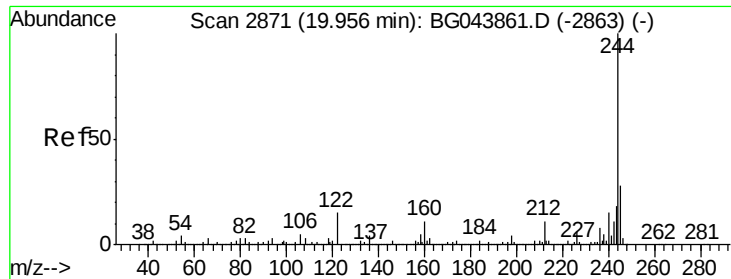


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 108.57 ng

RT: 19.93 min Scan# 2866

Delta R.T. -0.03 min

Lab File: BG044124.D

Acq: 21 Jan 2020 8:53

Instrument :

BNA_G

ClientSampleId :

EP-10

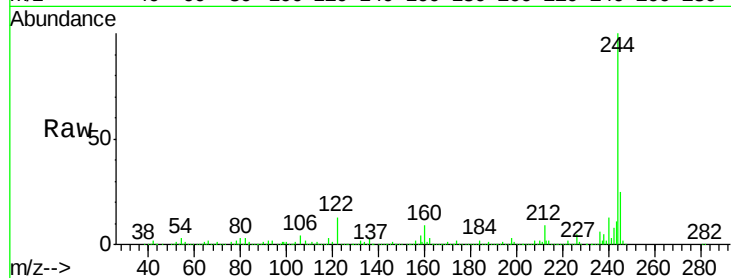
Tgt Ion:244 Resp: 1844060

Ion Ratio Lower Upper

244 100

212 9.3 8.6 13.0

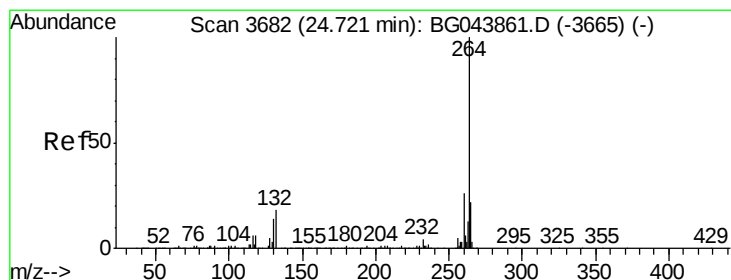
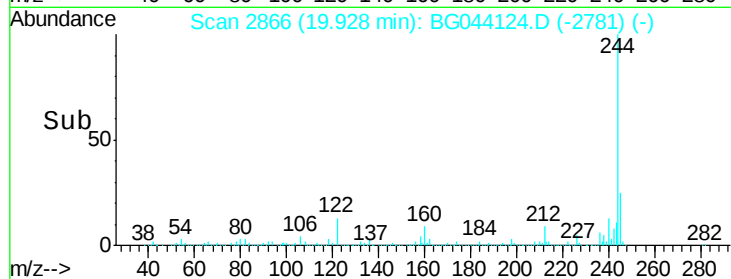
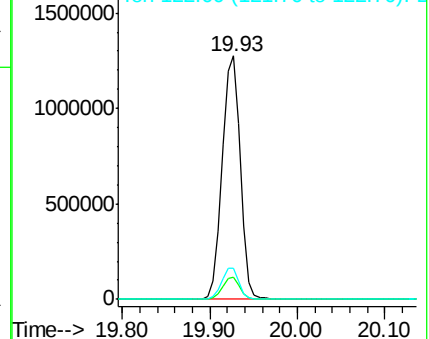
122 12.9 11.9 17.9



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: BG044124.D

Acq: 21 Jan 2020 8:53

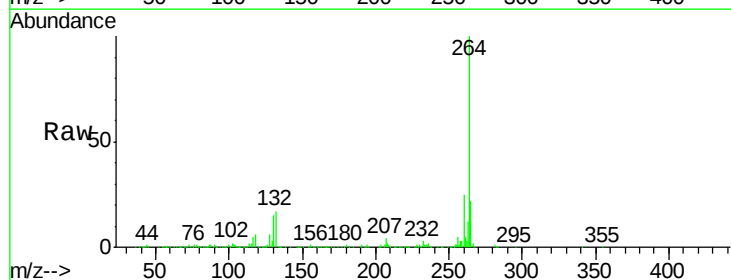
Tgt Ion:264 Resp: 485107

Ion Ratio Lower Upper

264 100

260 25.1 20.4 30.6

265 22.4 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

