

Data File : BG044180.D
Acq On : 24 Jan 2020 13:52
Operator : CG/JU
Sample : L1241-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EP-11

Quant Time: Jan 25 05:33:57 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

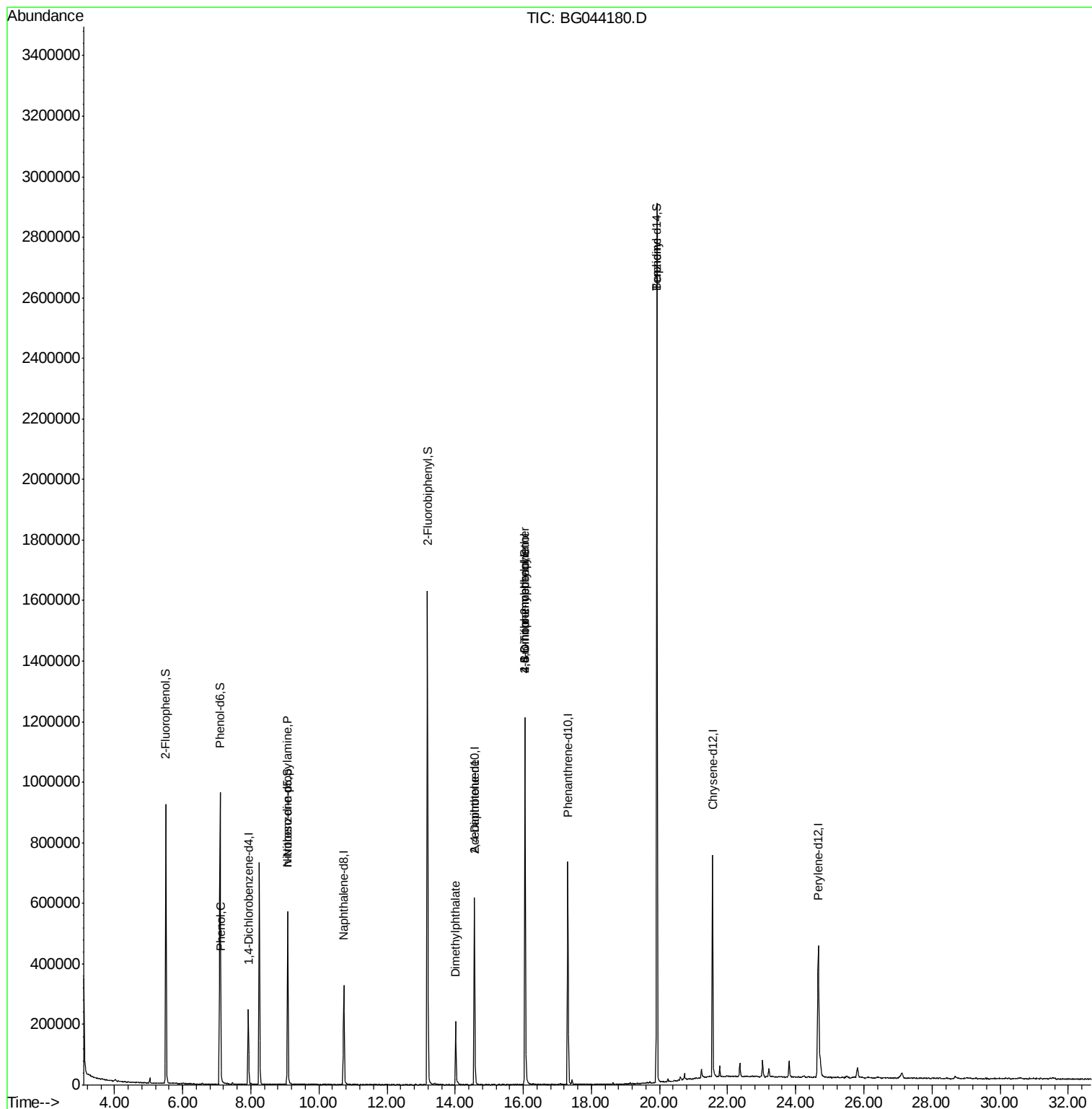
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	72465	20.00	ng	-0.04
21) Naphthalene-d8	10.73	136	324603	20.00	ng	-0.04
39) Acenaphthene-d10	14.57	164	231375	20.00	ng	-0.03
64) Phenanthrene-d10	17.31	188	489559	20.00	ng	-0.03
76) Chrysene-d12	21.55	240	426208	20.00	ng	-0.04
87) Perylene-d12	24.66	264	472737	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	449112	113.80	ng	-0.03
7) Phenol-d6	7.10	99	616345	111.72	ng	-0.03
23) Nitrobenzene-d5	9.08	82	373626	61.58	ng	-0.04
42) 2,4,6-Tribromophenol	16.05	330	240775	99.44	ng	-0.03
45) 2-Fluorobiphenyl	13.18	172	940365	73.63	ng	-0.04
79) Terphenyl-d14	19.92	244	1373519	75.32	ng	-0.03
Target Compounds						
10) Phenol	7.12	94	17829	3.137	ng	87
19) n-Nitroso-di-n-propylamine	9.08	70	47810	11.637	ng	# 77
50) Dimethylphthalate	14.02	163	174760	10.638	ng	95
57) 2,4-Dinitrotoluene	14.56	165	30311	5.999	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.05	198	911	4.718	ng	# 1
67) 4-Bromophenyl-phenylether	16.05	248	17262	3.135	ng	# 1
77) Benzidine	19.92	184	21925	2.047	ng	# 91

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

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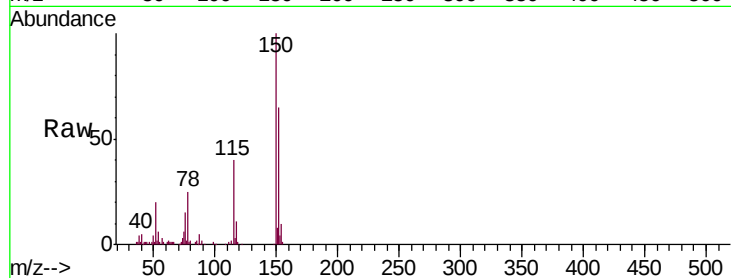


#1

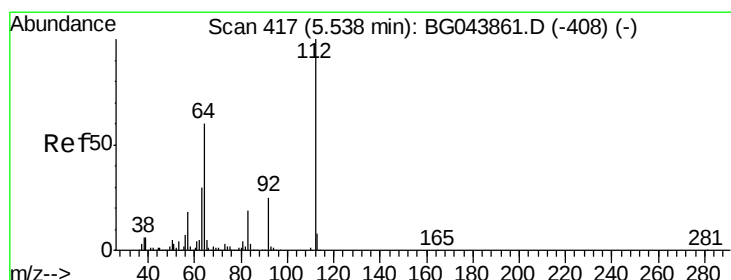
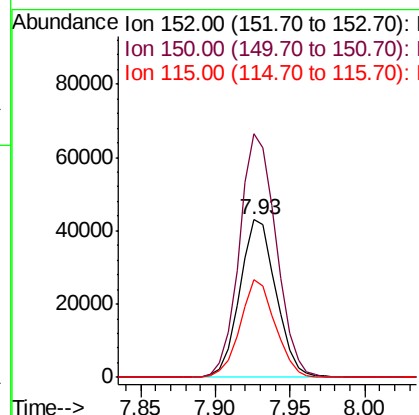
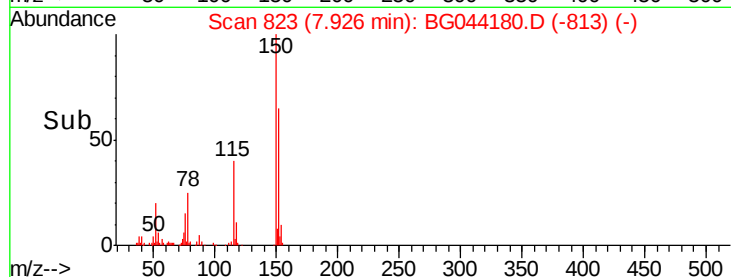
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 823
Delta R.T. -0.04 min
Lab File: BG044180.D
Acq: 24 Jan 2020 13:52

Instrument :
BNA_G
ClientSampleId :
EP-11

Tgt Ion:152 Resp: 72465
Ion Ratio Lower Upper
152 100
150 154.7 127.0 190.4
115 62.5 47.8 71.8



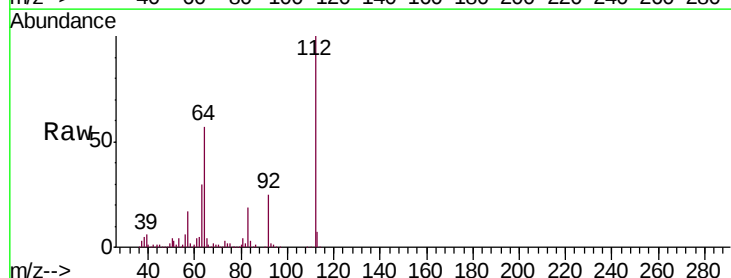
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



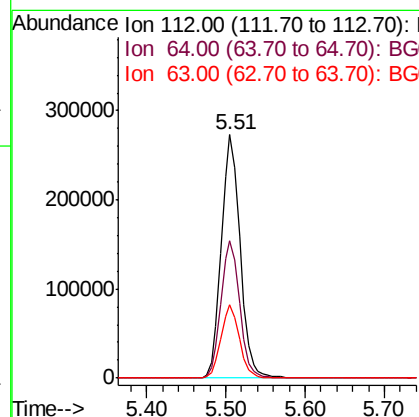
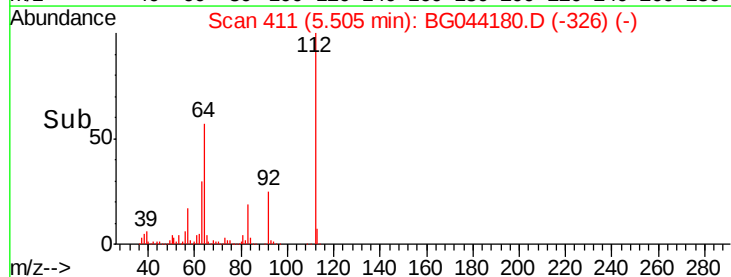
#5

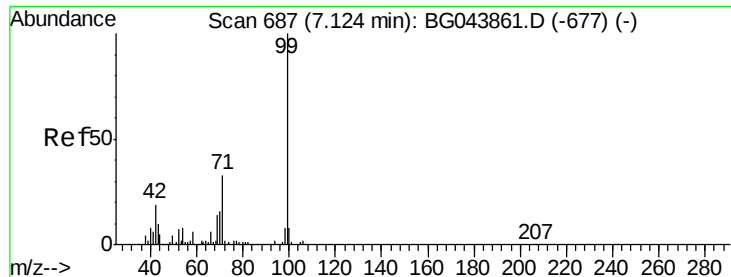
2-Fluorophenol
Concen: 113.796 ng
RT: 5.51 min Scan# 411
Delta R.T. -0.03 min
Lab File: BG044180.D
Acq: 24 Jan 2020 13:52

Tgt Ion:112 Resp: 449112
Ion Ratio Lower Upper
112 100
64 56.7 47.8 71.6
63 30.0 24.3 36.5



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: 111.724 ng

RT: 7.10 min Scan# 682

Delta R.T. -0.03 min

Lab File: BG044180.D

Acq: 24 Jan 2020 13:52

Instrument :

BNA_G

ClientSampleId :

EP-11

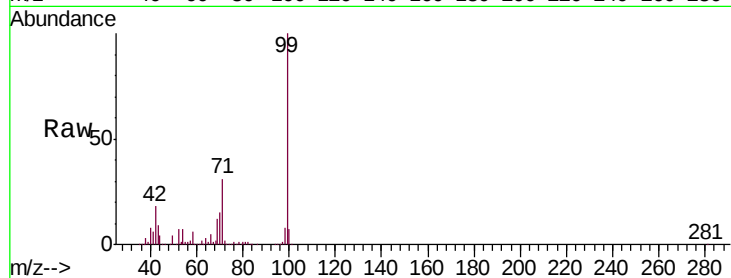
Tgt Ion: 99 Resp: 616345

Ion Ratio Lower Upper

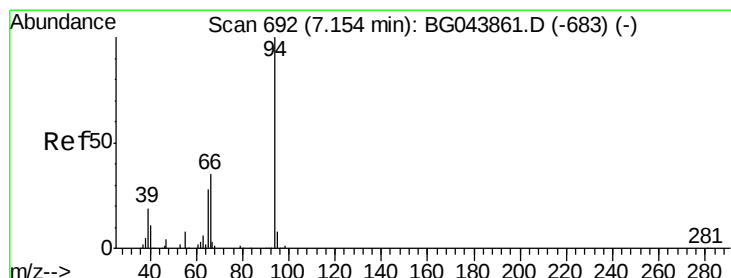
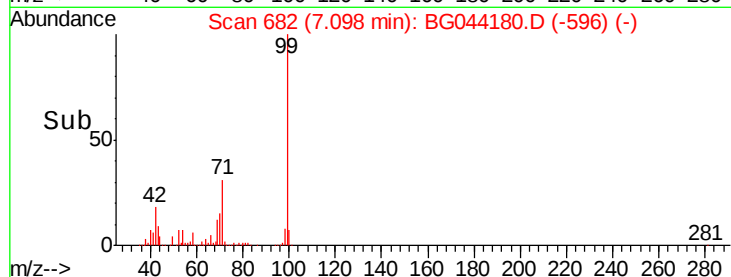
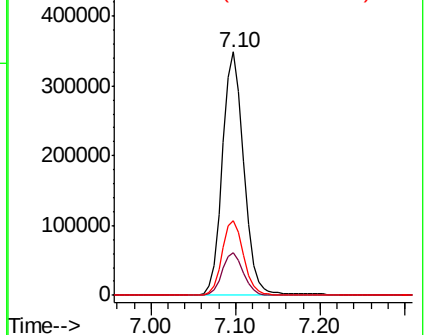
99 100

42 17.6 14.9 22.3

71 30.9 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: 3.137 ng

RT: 7.12 min Scan# 686

Delta R.T. -0.03 min

Lab File: BG044180.D

Acq: 24 Jan 2020 13:52

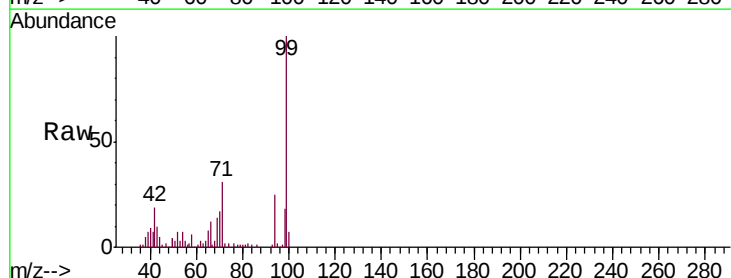
Tgt Ion: 94 Resp: 17829

Ion Ratio Lower Upper

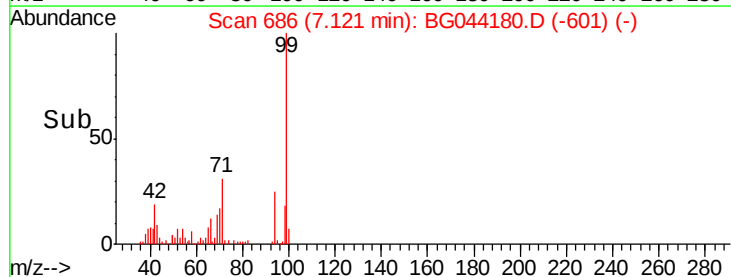
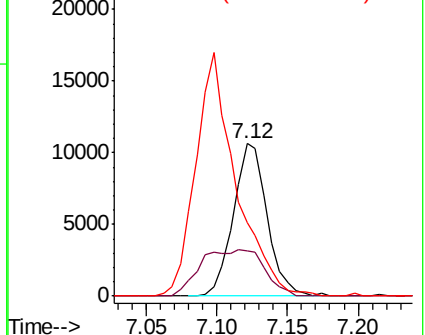
94 100

65 30.0 8.1 48.1

66 48.0 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

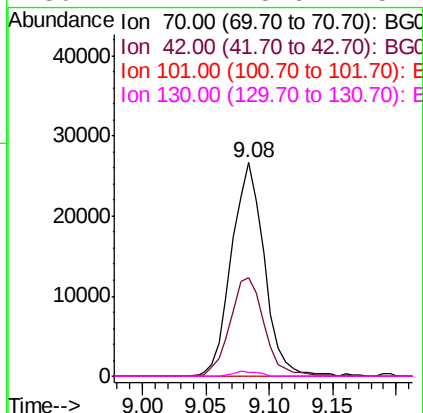
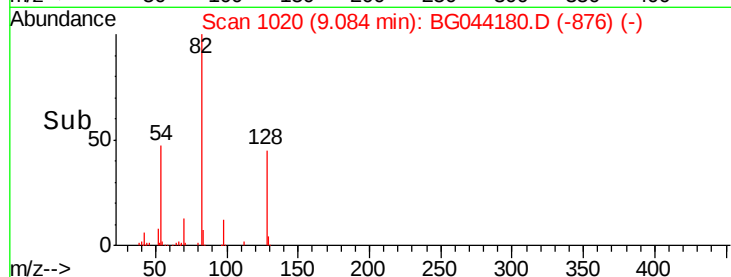
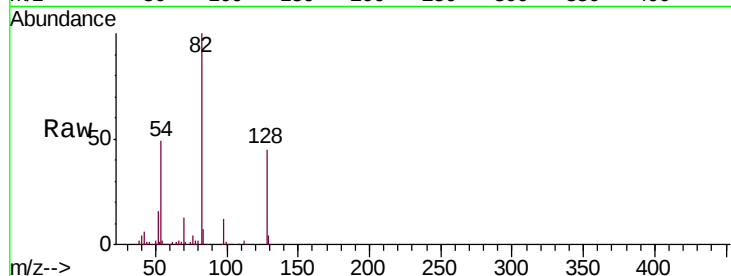




#19
n-Nitroso-di-n-propylamine
Concen: 11.637 ng
RT: 9.08 min Scan# 1020
Delta R.T. 0.31 min
Lab File: BG044180.D
Acq: 24 Jan 2020 13:52

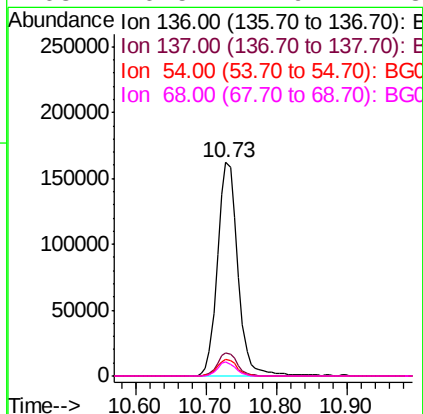
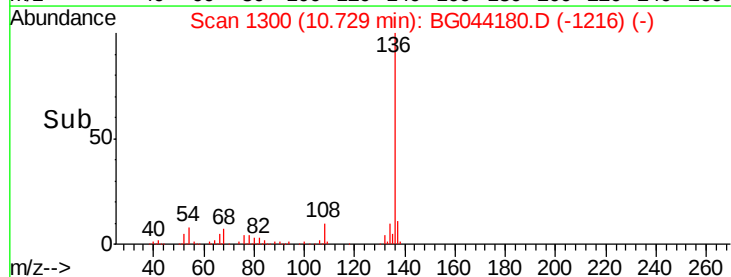
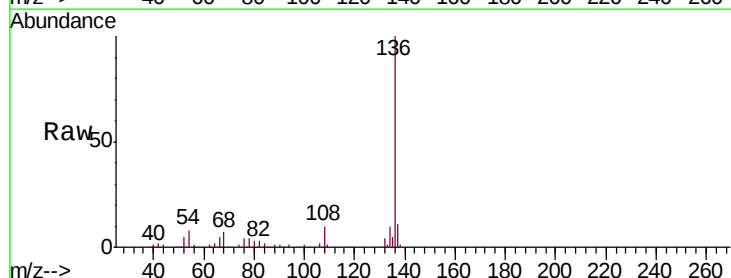
Instrument :
BNA_G
ClientSampleId :
EP-11

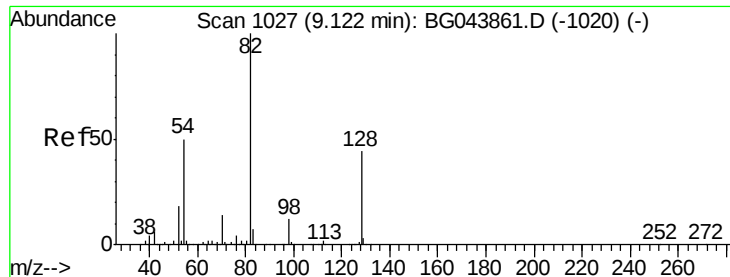
Tgt Ion: 70 Resp: 47810
Ion Ratio Lower Upper
70 100
42 46.0 47.0 70.4#
101 0.0 7.2 10.8#
130 2.1 15.6 23.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1300
Delta R.T. -0.04 min
Lab File: BG044180.D
Acq: 24 Jan 2020 13:52

Tgt Ion: 136 Resp: 324603
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 8.1 7.0 10.4
68 6.5 4.9 7.3





#23

Nitrobenzene-d5

Concen: 61.575 ng

RT: 9.08 min Scan# 1020

Delta R.T. -0.04 min

Lab File: BG044180.D

Acq: 24 Jan 2020 13:52

Instrument :

BNA_G

ClientSampled :

EP-11

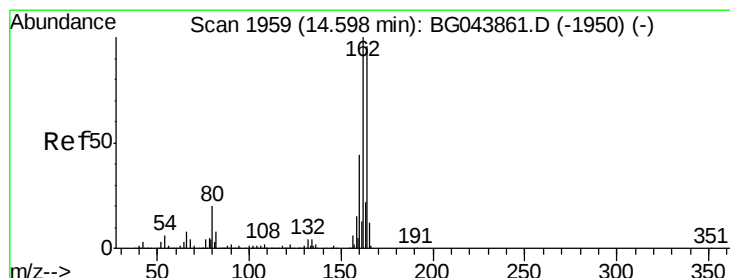
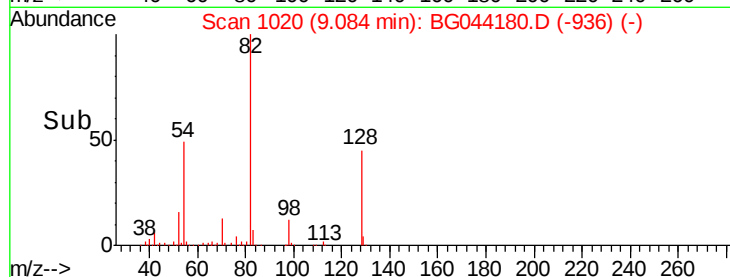
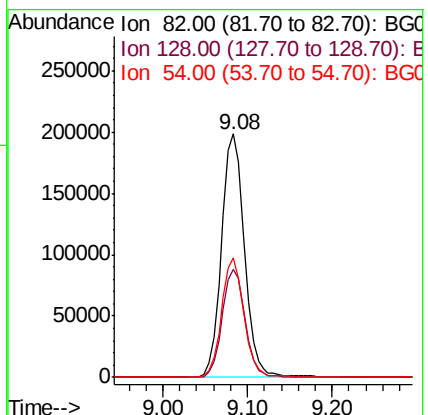
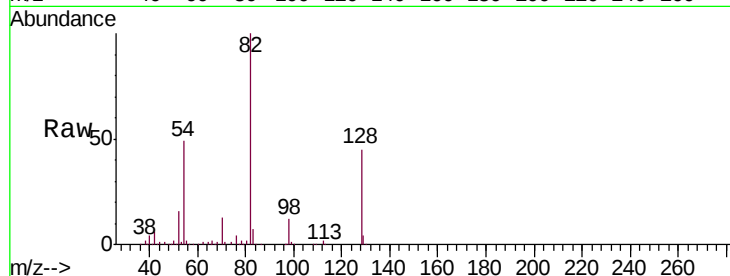
Tgt Ion: 82 Resp: 373626

Ion Ratio Lower Upper

82 100

128 44.5 35.1 52.7

54 49.1 40.1 60.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.57 min Scan# 1953

Delta R.T. -0.03 min

Lab File: BG044180.D

Acq: 24 Jan 2020 13:52

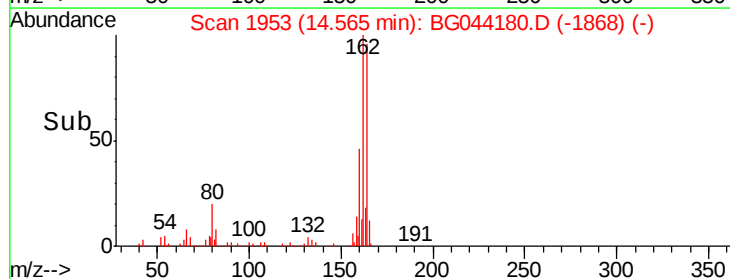
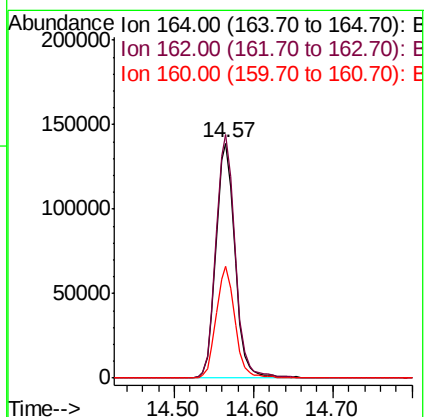
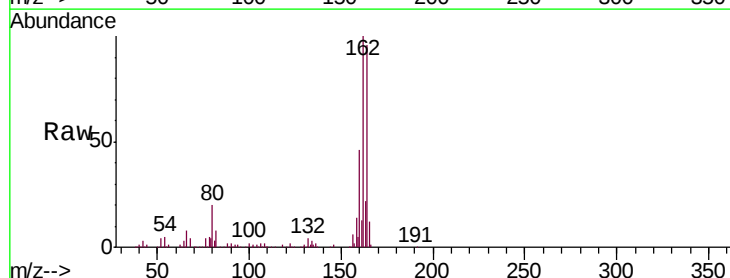
Tgt Ion: 164 Resp: 231375

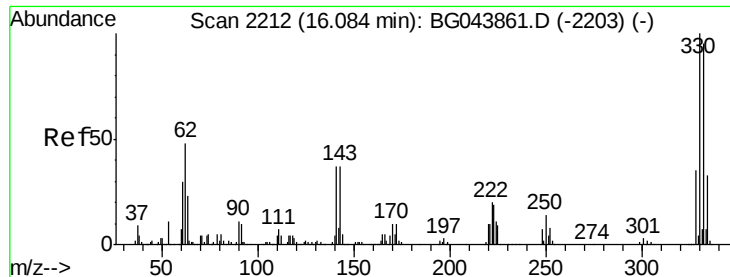
Ion Ratio Lower Upper

164 100

162 103.7 83.0 124.4

160 47.4 36.1 54.1





#42

2,4,6-Tribromophenol

Concen: 99.441 ng

RT: 16.05 min Scan# 2206

Delta R.T. -0.03 min

Lab File: BG044180.D

Acq: 24 Jan 2020 13:52

Instrument :

BNA_G

ClientSampled :

EP-11

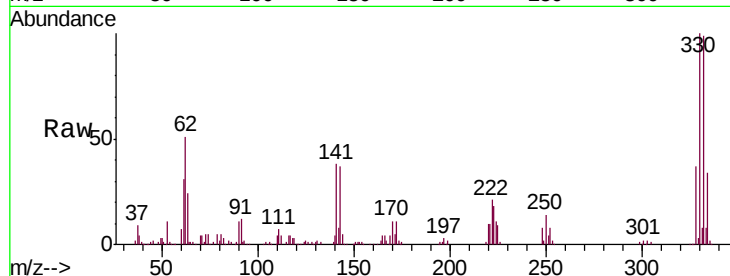
Tgt Ion:330 Resp: 240775

Ion Ratio Lower Upper

330 100

332 96.8 77.2 115.8

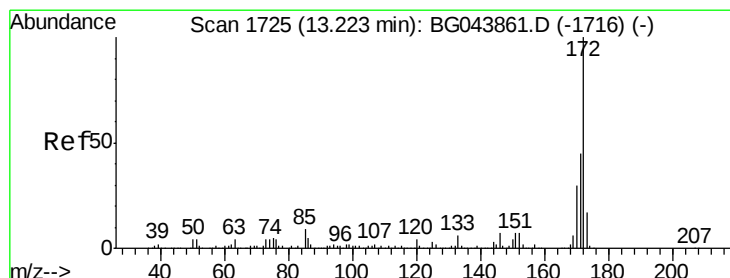
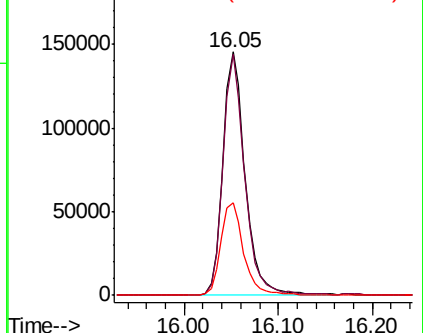
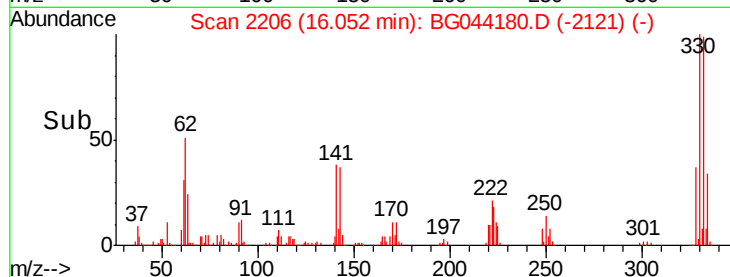
141 39.2 33.1 49.7



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: 73.635 ng

RT: 13.18 min Scan# 1718

Delta R.T. -0.04 min

Lab File: BG044180.D

Acq: 24 Jan 2020 13:52

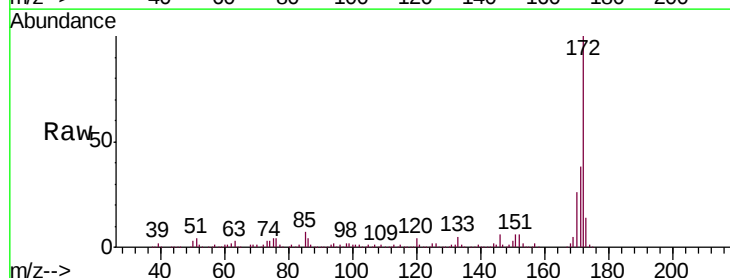
Tgt Ion:172 Resp: 940365

Ion Ratio Lower Upper

172 100

171 38.3 35.8 53.8

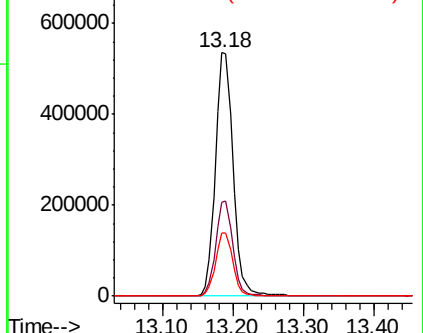
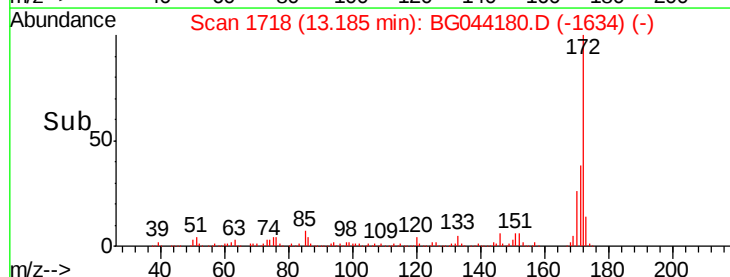
170 25.7 24.2 36.4

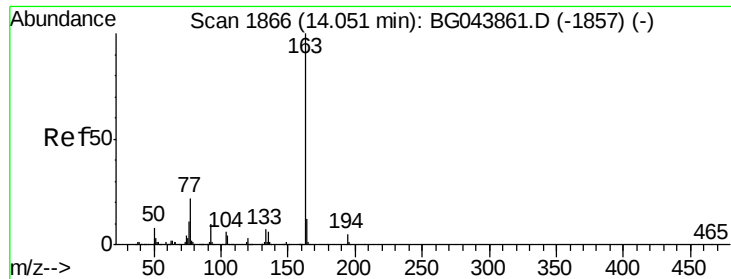


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 10.638 ng

RT: 14.02 min Scan# 1860

Delta R.T. -0.03 min

Lab File: BG044180.D

Acq: 24 Jan 2020 13:52

Instrument :

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ClientSampleId :

EP-11

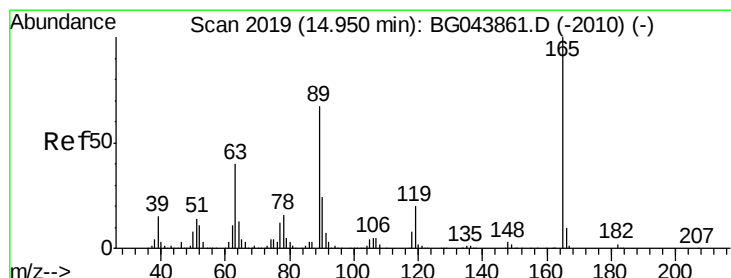
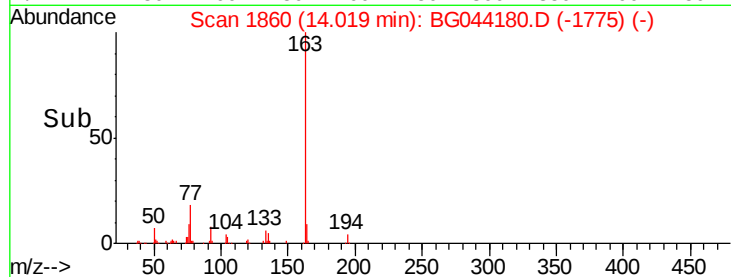
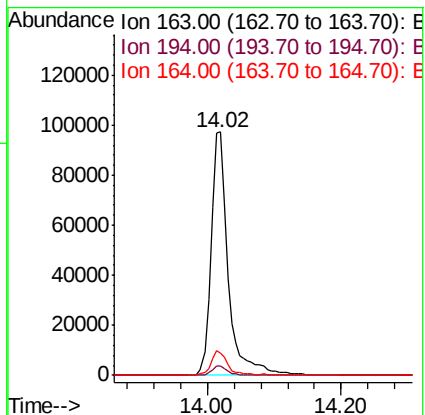
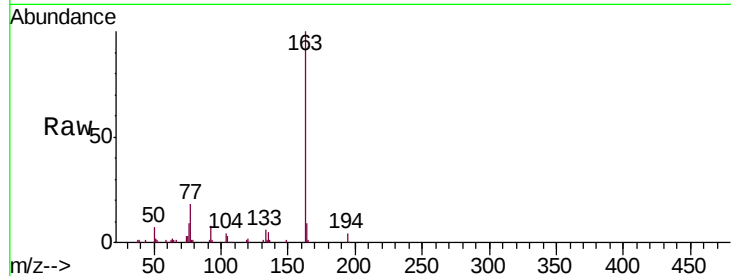
Tgt Ion:163 Resp: 174760

Ion Ratio Lower Upper

163 100

194 4.1 3.7 5.5

164 9.3 9.3 13.9



#57

2,4-Dinitrotoluene

Concen: 5.999 ng

RT: 14.56 min Scan# 1952

Delta R.T. -0.39 min

Lab File: BG044180.D

Acq: 24 Jan 2020 13:52

Tgt Ion:165 Resp: 30311

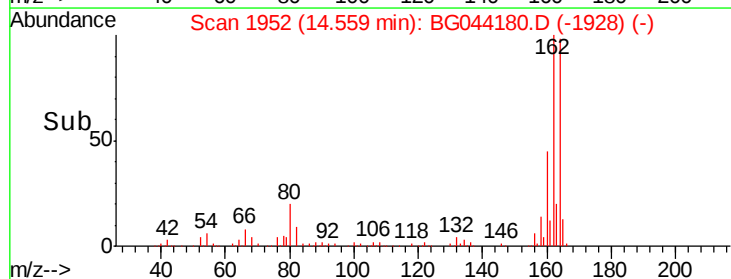
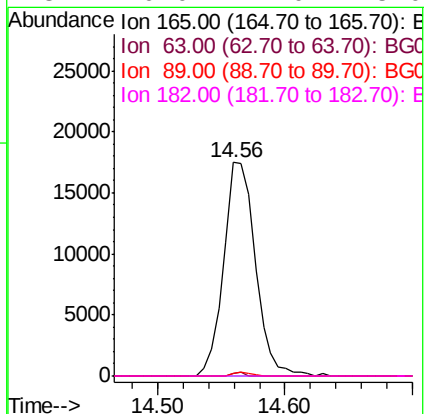
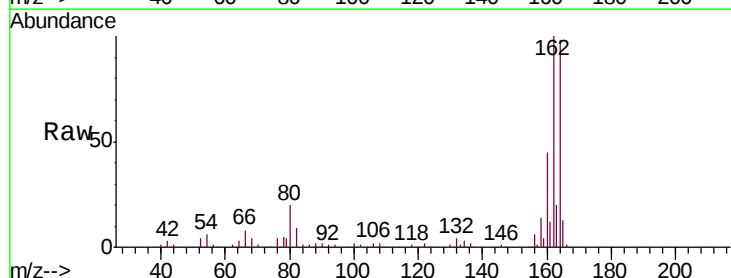
Ion Ratio Lower Upper

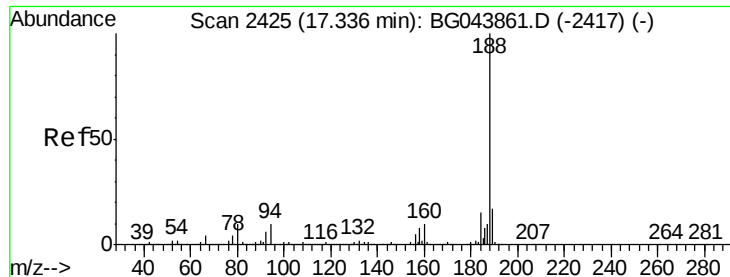
165 100

63 1.5 31.9 47.9#

89 1.3 53.8 80.6#

182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.31 min Scan# 2420

Delta R.T. -0.03 min

Lab File: BG044180.D

Acq: 24 Jan 2020 13:52

Instrument :

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EP-11

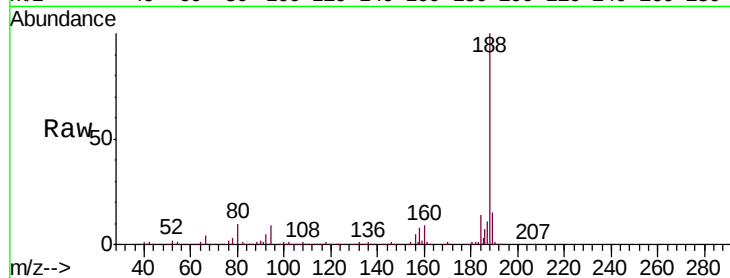
Tgt Ion:188 Resp: 489559

Ion Ratio Lower Upper

188 100

94 9.0 7.9 11.9

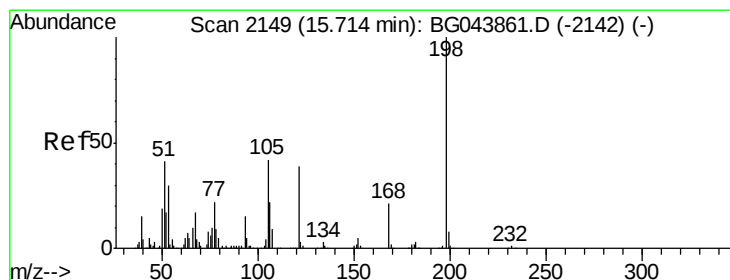
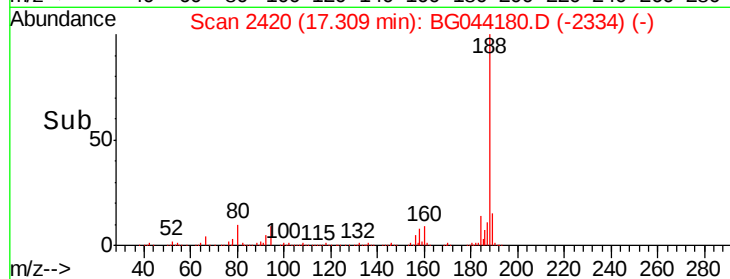
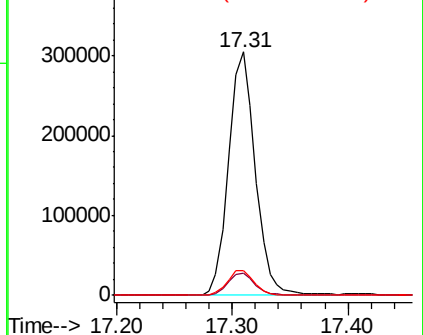
80 10.0 8.2 12.4



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 4.718 ng

RT: 16.05 min Scan# 2206

Delta R.T. 0.34 min

Lab File: BG044180.D

Acq: 24 Jan 2020 13:52

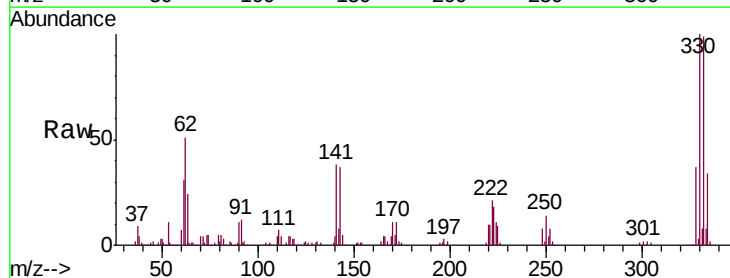
Tgt Ion:198 Resp: 911

Ion Ratio Lower Upper

198 100

51 122.6 22.5 62.5#

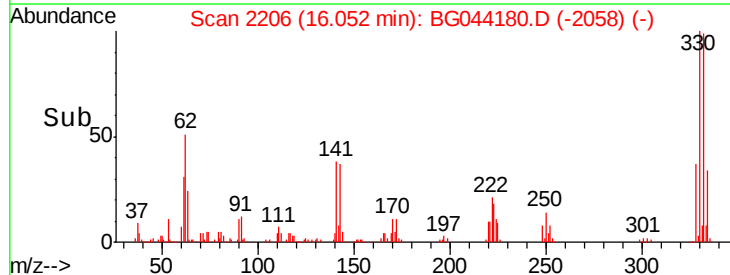
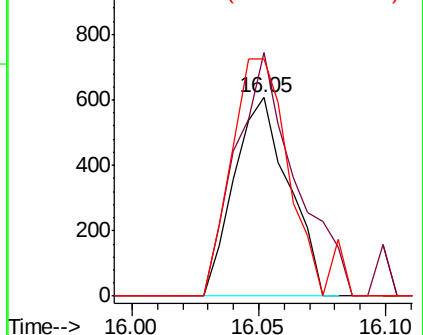
105 119.8 22.3 62.3#

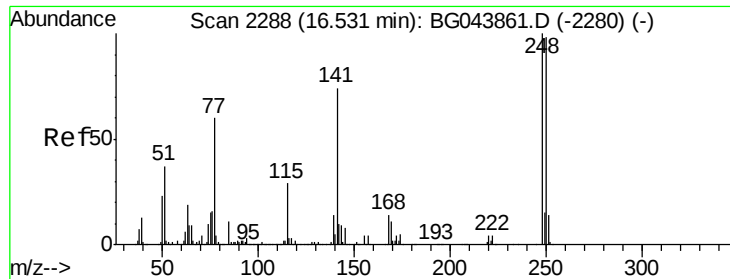


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

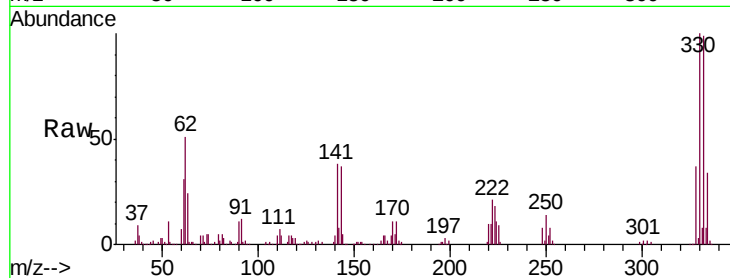




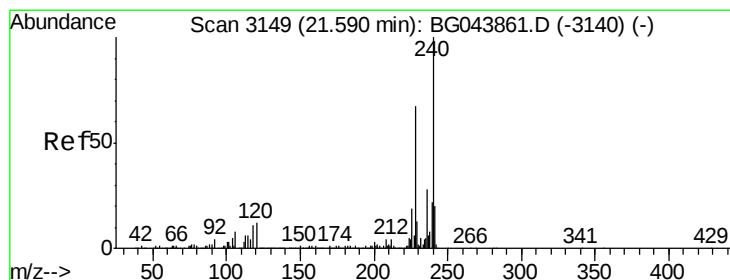
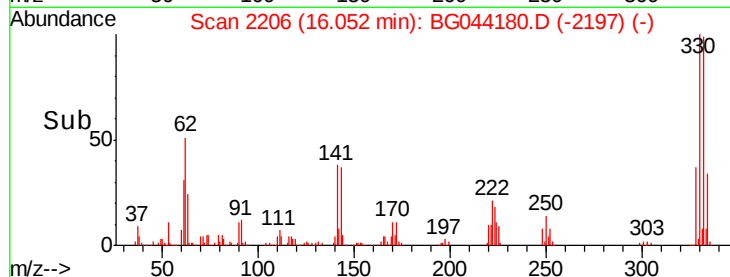
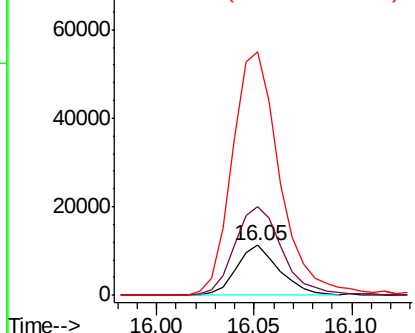
#67
 4-Bromophenyl-phenylether
 Concen: 3.135 ng
 RT: 16.05 min Scan# 2206
 Delta R.T. -0.48 min
 Lab File: BG044180.D
 Acq: 24 Jan 2020 13:52

Instrument :
 BNA_G
 ClientSampleId :
 EP-11

Tgt Ion:248 Resp: 17262
 Ion Ratio Lower Upper
 248 100
 250 176.6 78.2 117.2#
 141 486.7 59.3 88.9#

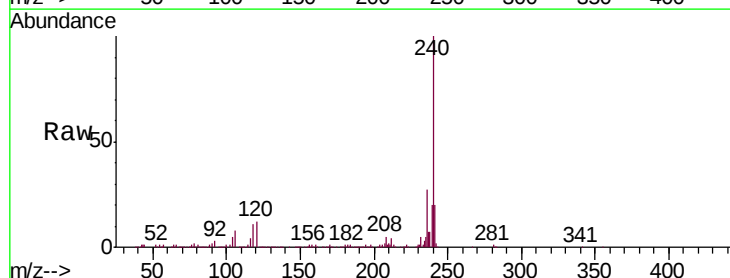


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

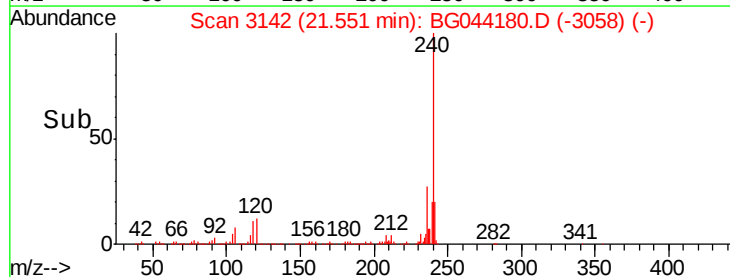
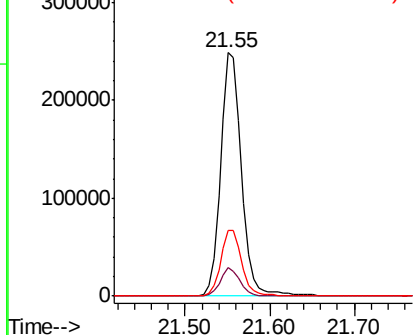


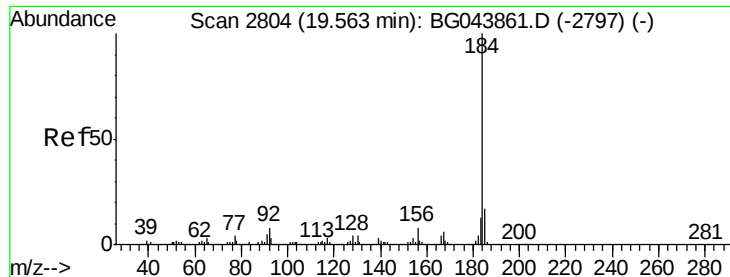
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.55 min Scan# 3142
 Delta R.T. -0.04 min
 Lab File: BG044180.D
 Acq: 24 Jan 2020 13:52

Tgt Ion:240 Resp: 426208
 Ion Ratio Lower Upper
 240 100
 120 11.6 9.6 14.4
 236 27.2 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: 2.047 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.36 min

Lab File: BG044180.D

Acq: 24 Jan 2020 13:52

Instrument :

BNA_G

ClientSampleId :

EP-11

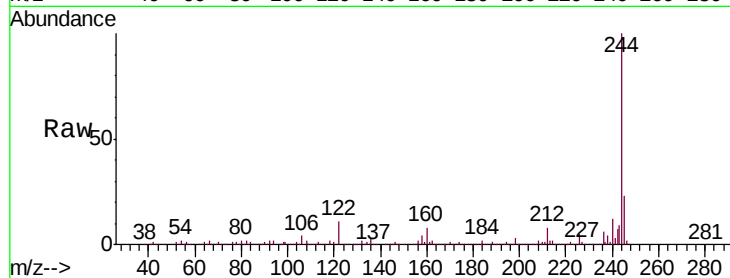
Tgt Ion:184 Resp: 21925

Ion Ratio Lower Upper

184 100

185 15.3 13.4 20.0

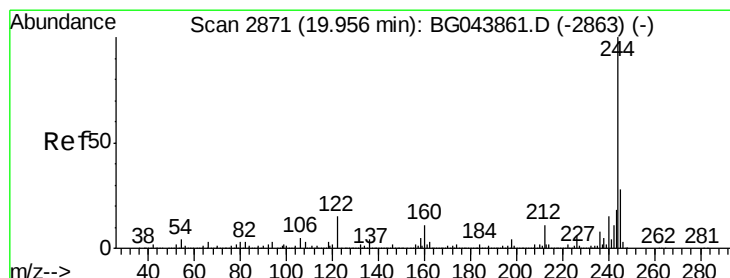
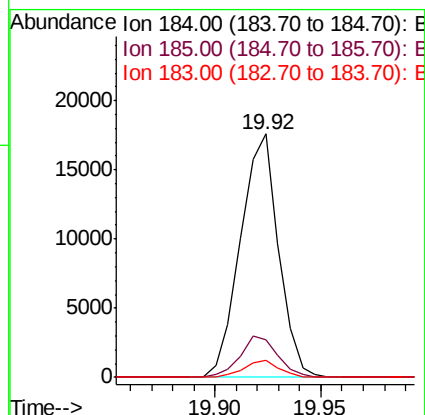
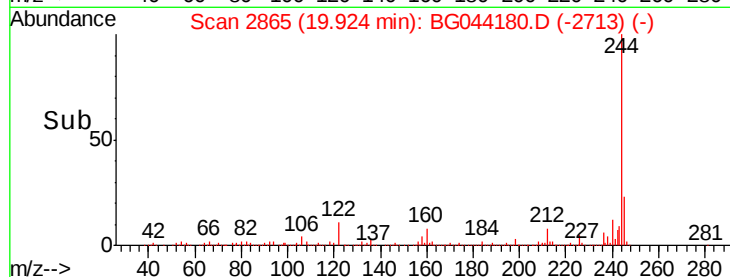
183 6.8 10.6 15.8#



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: 75.321 ng

RT: 19.92 min Scan# 2865

Delta R.T. -0.03 min

Lab File: BG044180.D

Acq: 24 Jan 2020 13:52

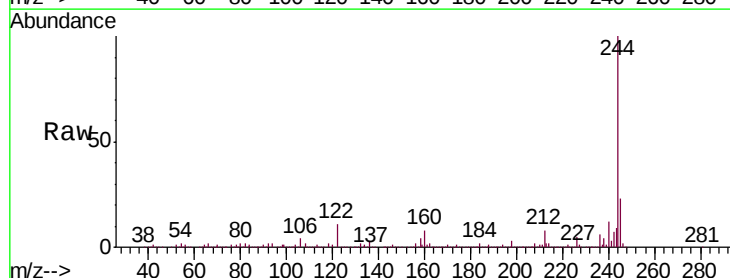
Tgt Ion:244 Resp: 1373519

Ion Ratio Lower Upper

244 100

212 8.3 8.6 13.0#

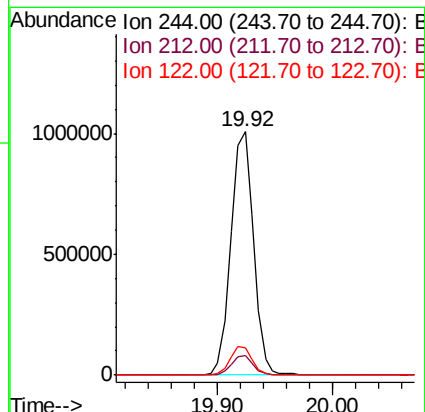
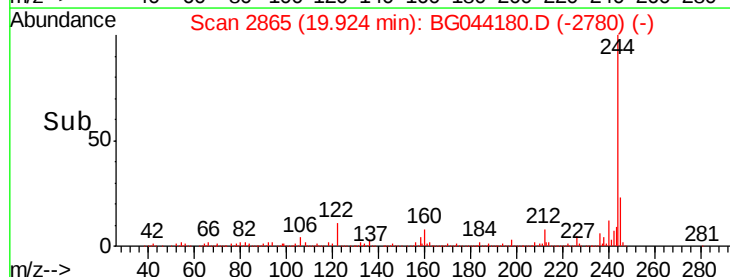
122 11.5 11.9 17.9#

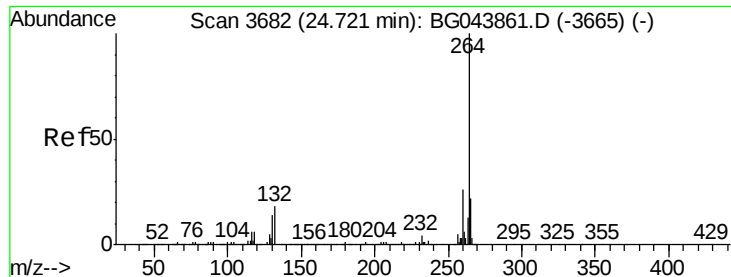


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Perylene-d12
Concen: 20.000 ng
RT: 24.66 min Scan# 3671
Delta R.T. -0.06 min
Lab File: BG044180.D
Acq: 24 Jan 2020 13:52

Instrument :
BNA_G
ClientSampleId :
EP-11

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	20.4	30.6
265	22.0	17.4	26.2

