

Data File : BG044181.D
Acq On : 24 Jan 2020 14:30
Operator : CG/JU
Sample : L1241-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EP-15

Quant Time: Jan 25 05:34:16 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

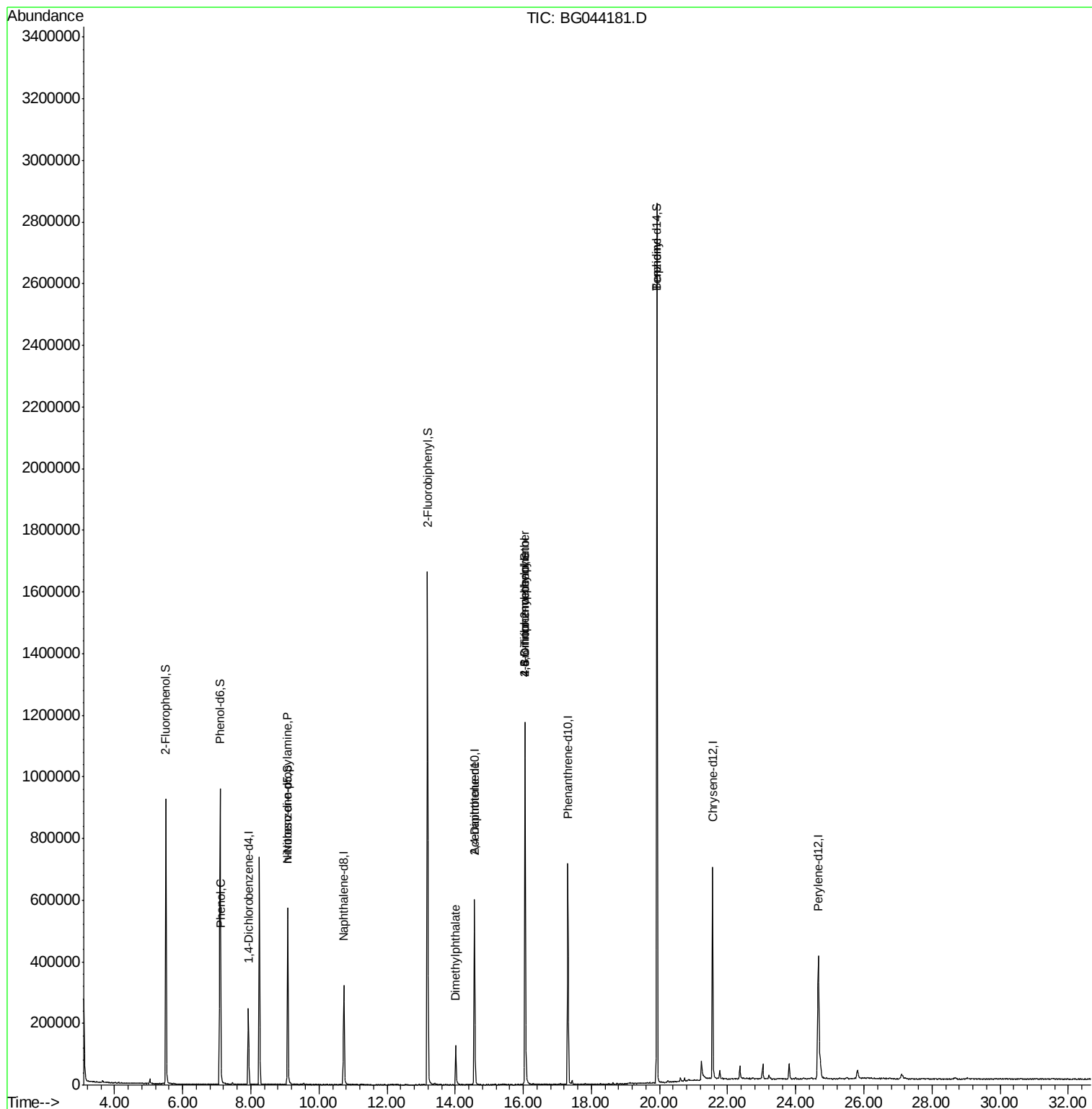
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	73773	20.00	ng	-0.03
21) Naphthalene-d8	10.73	136	326326	20.00	ng	-0.03
39) Acenaphthene-d10	14.56	164	225892	20.00	ng	-0.03
64) Phenanthrene-d10	17.31	188	471310	20.00	ng	-0.03
76) Chrysene-d12	21.56	240	399765	20.00	ng	-0.03
87) Perylene-d12	24.66	264	448336	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	457096	113.77	ng	-0.03
7) Phenol-d6	7.10	99	622216	110.79	ng	-0.03
23) Nitrobenzene-d5	9.08	82	377745	61.93	ng	-0.04
42) 2,4,6-Tribromophenol	16.05	330	232490	98.35	ng	-0.03
45) 2-Fluorobiphenyl	13.19	172	940944	75.47	ng	-0.03
79) Terphenyl-d14	19.92	244	1364099	81.33	ng	-0.03
Target Compounds						
10) Phenol	7.12	94	15373	2.657	ng	# 72
19) n-Nitroso-di-n-propylamine	9.08	70	49722	11.888	ng	# 73
50) Dimethylphthalate	14.02	163	110709	6.902	ng	# 96
57) 2,4-Dinitrotoluene	14.56	165	29915	6.064	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.06	198	739	4.666	ng	# 1
67) 4-Bromophenyl-phenylether	16.05	248	16387	3.091	ng	# 1
77) Benzidine	19.92	184	21684	2.158	ng	# 90

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

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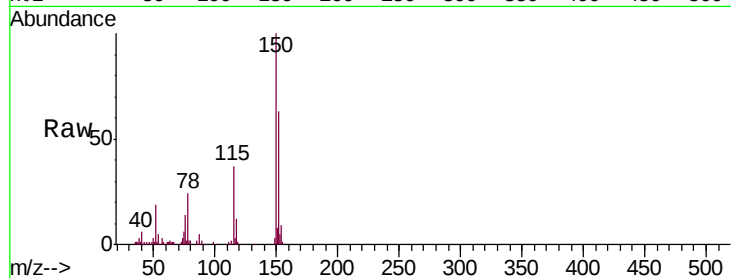


#1

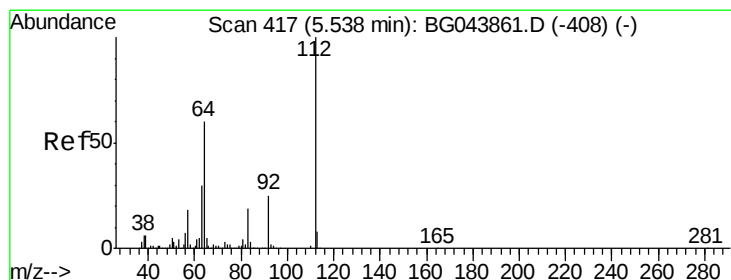
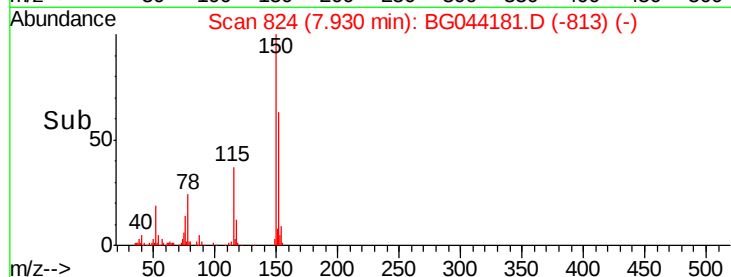
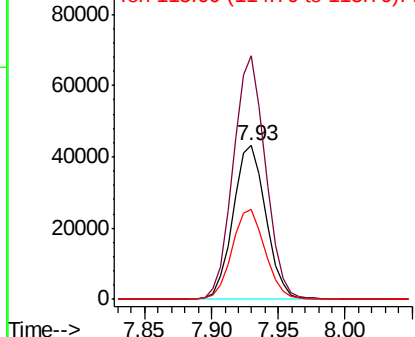
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.03 min
Lab File: BG044181.D
Acq: 24 Jan 2020 14:30

Instrument :
BNA_G
ClientSampleId :
EP-15

Tgt Ion:152 Resp: 73773
Ion Ratio Lower Upper
152 100
150 158.3 127.0 190.4
115 58.7 47.8 71.8



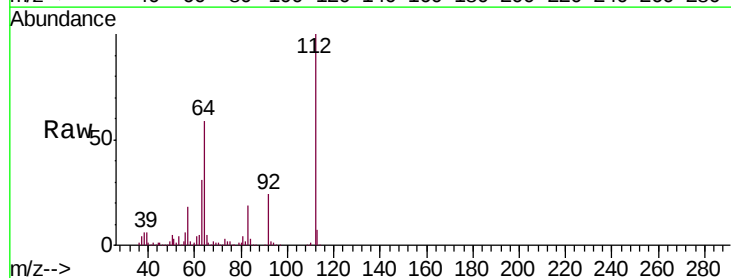
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



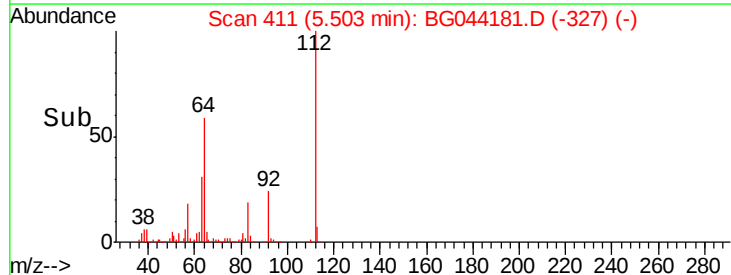
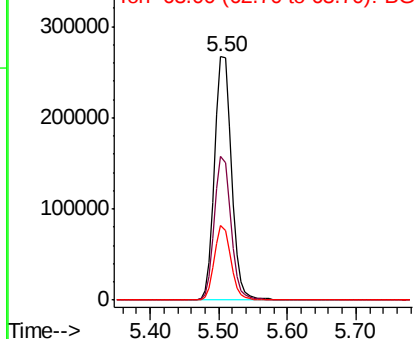
#5

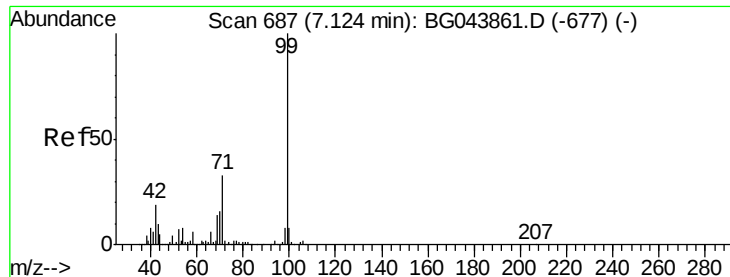
2-Fluorophenol
Concen: 113.766 ng
RT: 5.50 min Scan# 411
Delta R.T. -0.03 min
Lab File: BG044181.D
Acq: 24 Jan 2020 14:30

Tgt Ion:112 Resp: 457096
Ion Ratio Lower Upper
112 100
64 59.2 47.8 71.6
63 30.9 24.3 36.5



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: 110.788 ng

RT: 7.10 min Scan# 682

Delta R.T. -0.03 min

Lab File: BG044181.D

Acq: 24 Jan 2020 14:30

Instrument :

BNA_G

ClientSampleId :

EP-15

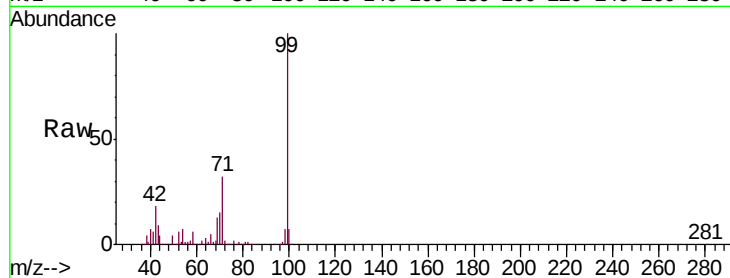
Tgt Ion: 99 Resp: 622216

Ion Ratio Lower Upper

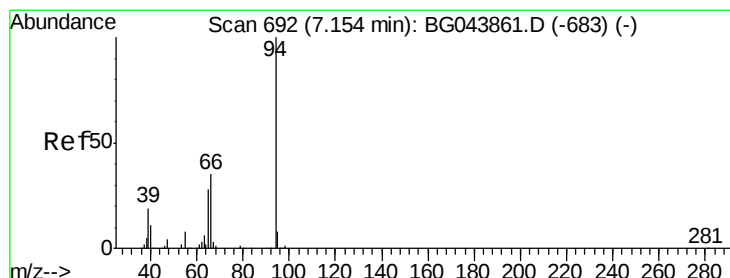
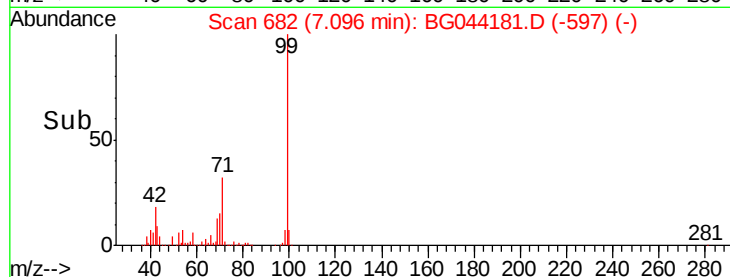
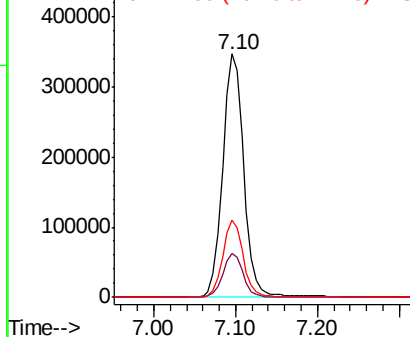
99 100

42 17.9 14.9 22.3

71 31.9 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: 2.657 ng

RT: 7.12 min Scan# 686

Delta R.T. -0.03 min

Lab File: BG044181.D

Acq: 24 Jan 2020 14:30

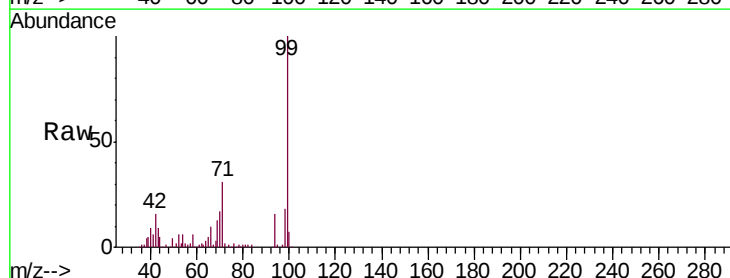
Tgt Ion: 94 Resp: 15373

Ion Ratio Lower Upper

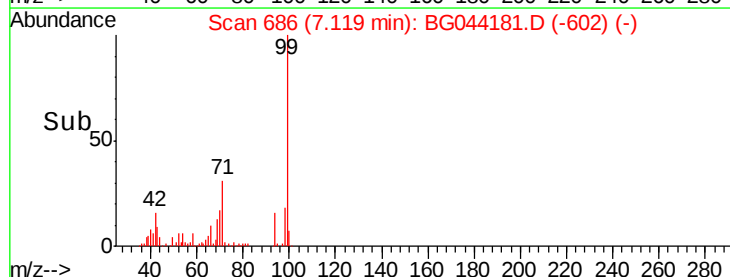
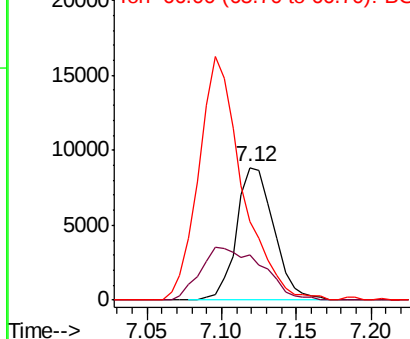
94 100

65 34.0 8.1 48.1

66 59.6 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

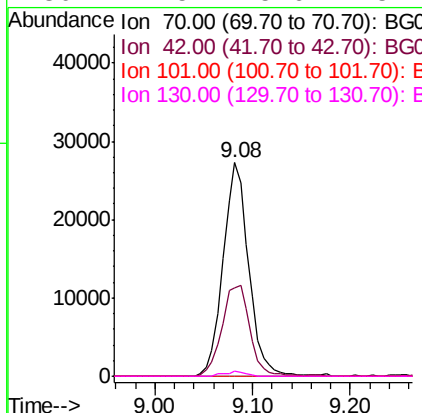
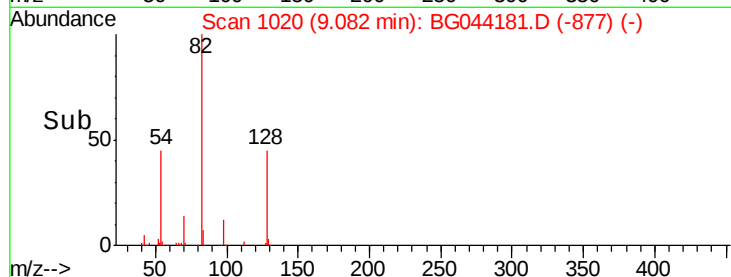
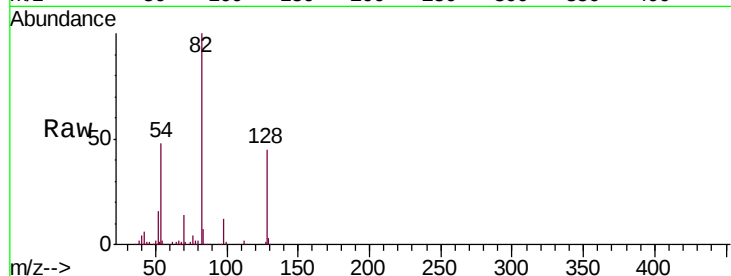




#19
n-Nitroso-di-n-propylamine
Concen: 11.888 ng
RT: 9.08 min Scan# 1020
Delta R.T. 0.31 min
Lab File: BG044181.D
Acq: 24 Jan 2020 14:30

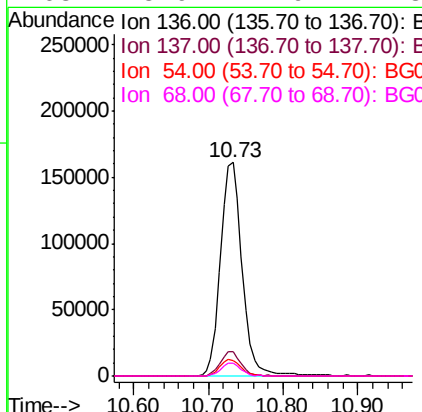
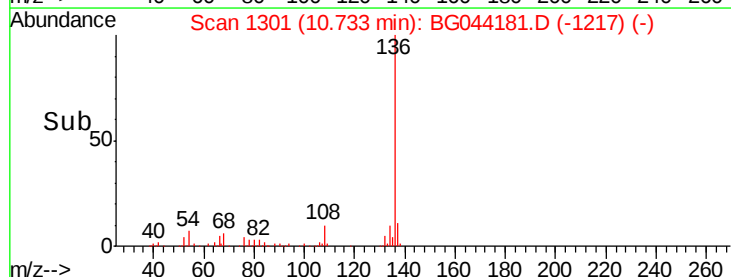
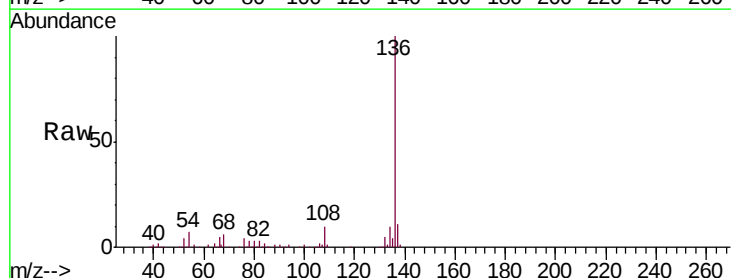
Instrument :
BNA_G
ClientSampleId :
EP-15

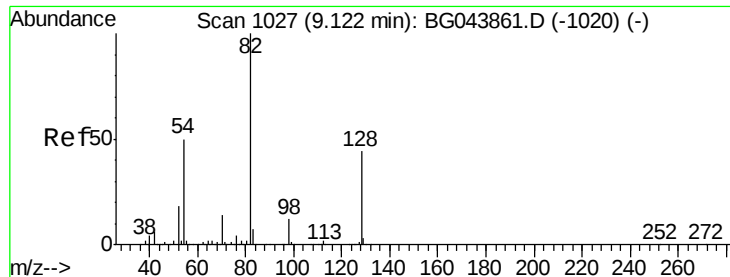
Tgt Ion: 70 Resp: 49722
Ion Ratio Lower Upper
70 100
42 41.2 47.0 70.4#
101 0.0 7.2 10.8#
130 2.5 15.6 23.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1301
Delta R.T. -0.03 min
Lab File: BG044181.D
Acq: 24 Jan 2020 14:30

Tgt Ion: 136 Resp: 326326
Ion Ratio Lower Upper
136 100
137 11.5 8.8 13.2
54 7.2 7.0 10.4
68 5.9 4.9 7.3





#23

Nitrobenzene-d5

Concen: 61.925 ng

RT: 9.08 min Scan# 1020

Delta R.T. -0.04 min

Lab File: BG044181.D

Acq: 24 Jan 2020 14:30

Instrument :

BNA_G

ClientSampled :

EP-15

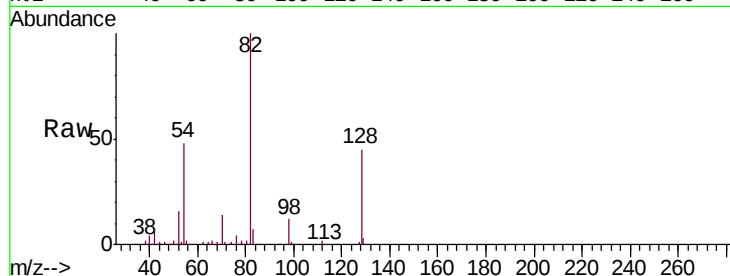
Tgt Ion: 82 Resp: 377745

Ion Ratio Lower Upper

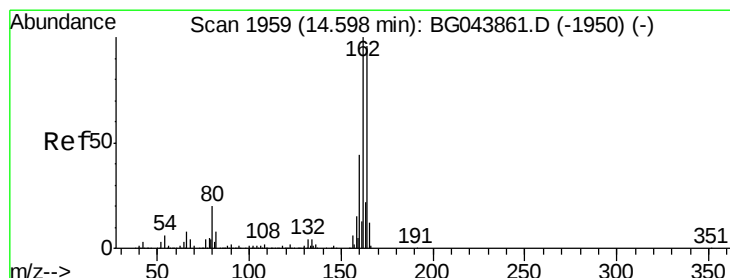
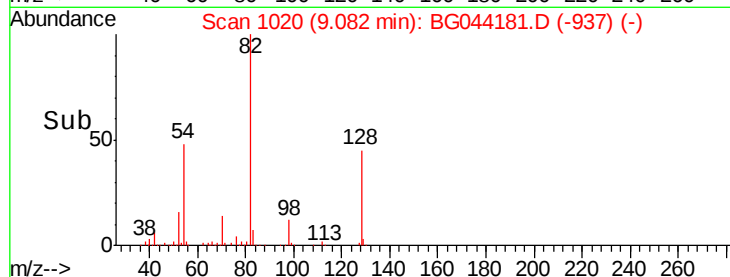
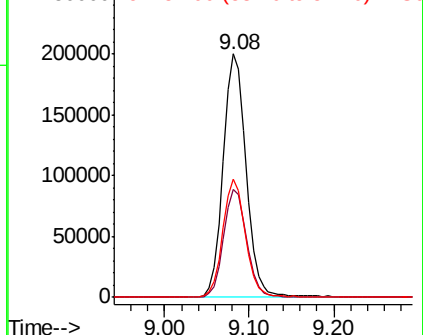
82 100

128 44.6 35.1 52.7

54 48.5 40.1 60.1



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.56 min Scan# 1953

Delta R.T. -0.03 min

Lab File: BG044181.D

Acq: 24 Jan 2020 14:30

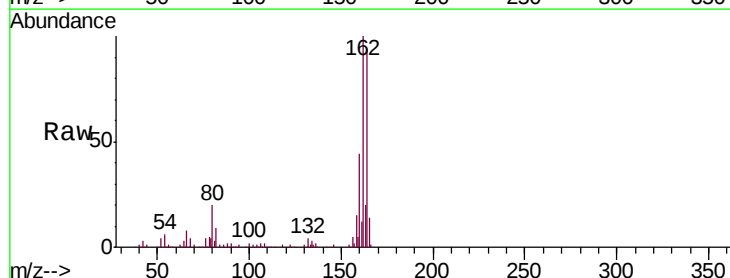
Tgt Ion: 164 Resp: 225892

Ion Ratio Lower Upper

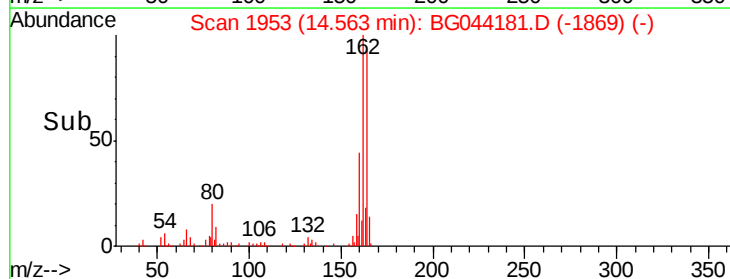
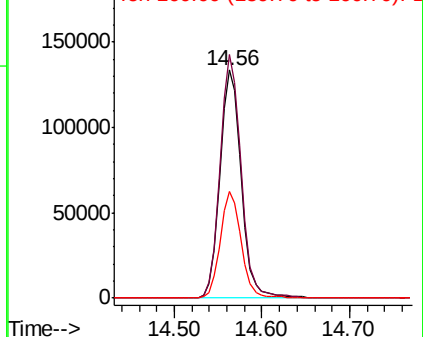
164 100

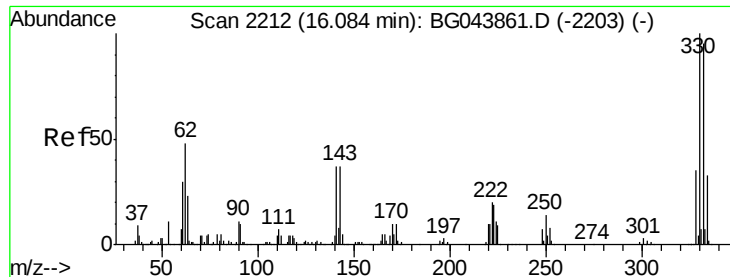
162 106.8 83.0 124.4

160 46.8 36.1 54.1



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC





#42

2,4,6-Tribromophenol

Concen: 98.350 ng

RT: 16.05 min Scan# 2206

Delta R.T. -0.03 min

Lab File: BG044181.D

Acq: 24 Jan 2020 14:30

Instrument :

BNA_G

ClientSampled :

EP-15

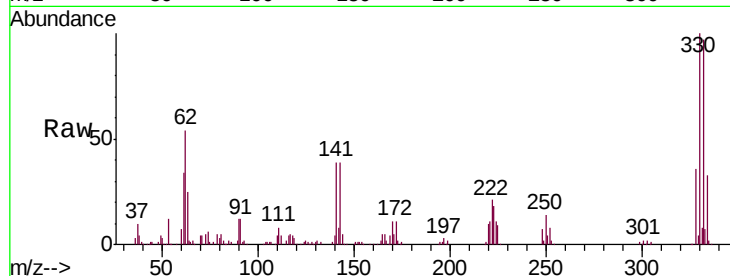
Tgt Ion:330 Resp: 232490

Ion Ratio Lower Upper

330 100

332 98.0 77.2 115.8

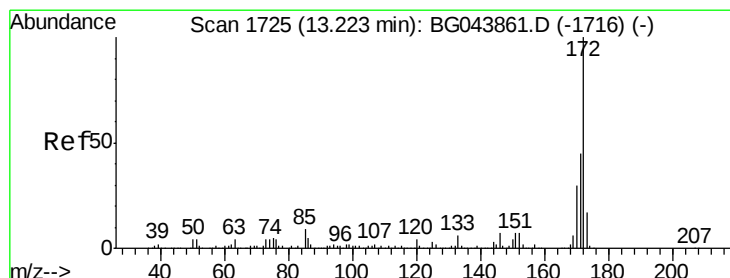
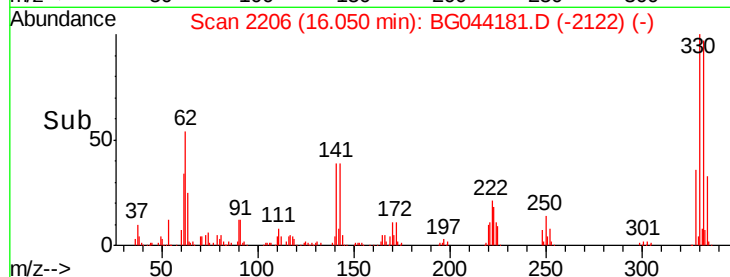
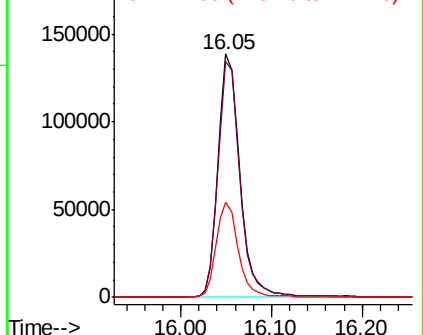
141 39.3 33.1 49.7



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: 75.469 ng

RT: 13.19 min Scan# 1719

Delta R.T. -0.03 min

Lab File: BG044181.D

Acq: 24 Jan 2020 14:30

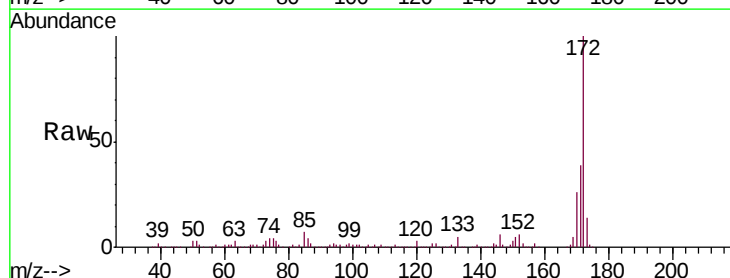
Tgt Ion:172 Resp: 940944

Ion Ratio Lower Upper

172 100

171 38.9 35.8 53.8

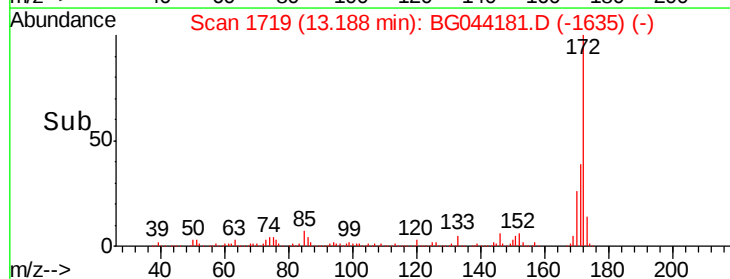
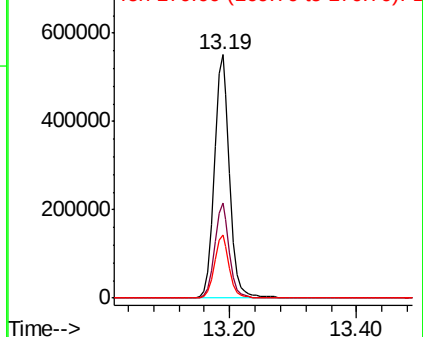
170 26.0 24.2 36.4

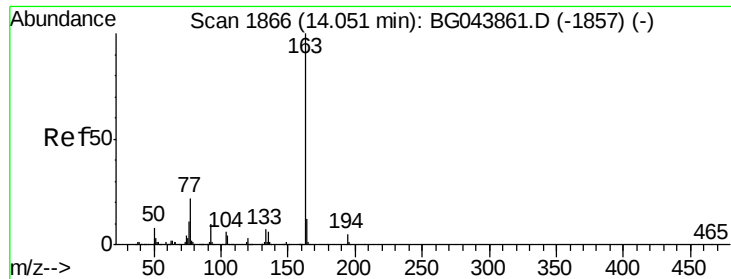


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 6.902 ng

RT: 14.02 min Scan# 1860

Delta R.T. -0.03 min

Lab File: BG044181.D

Acq: 24 Jan 2020 14:30

Instrument :

BNA_G

ClientSampleId :

EP-15

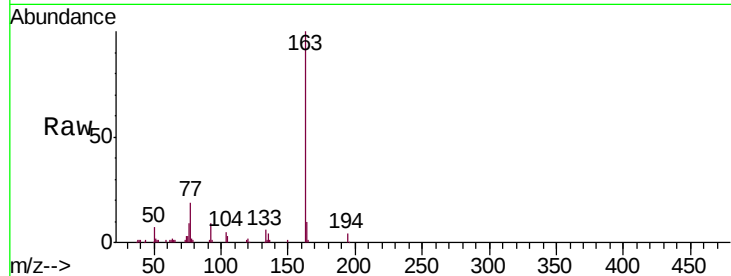
Tgt Ion:163 Resp: 110709

Ion Ratio Lower Upper

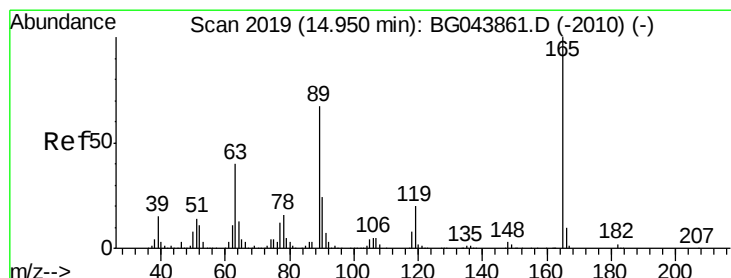
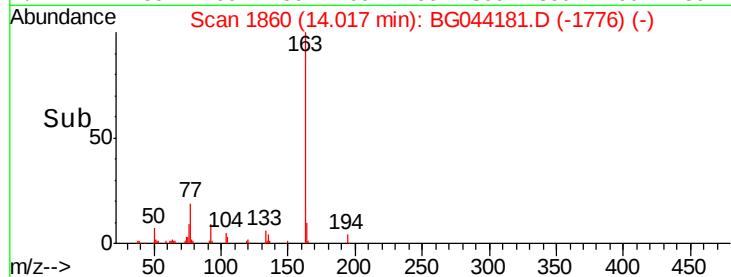
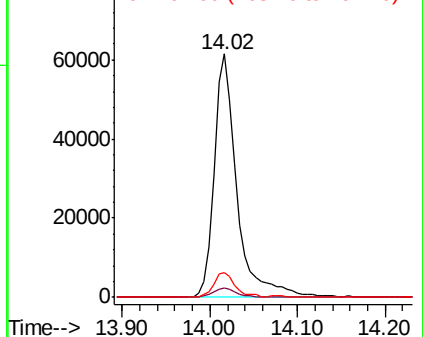
163 100

194 3.7 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



#57

2,4-Dinitrotoluene

Concen: 6.064 ng

RT: 14.56 min Scan# 1953

Delta R.T. -0.39 min

Lab File: BG044181.D

Acq: 24 Jan 2020 14:30

Tgt Ion:165 Resp: 29915

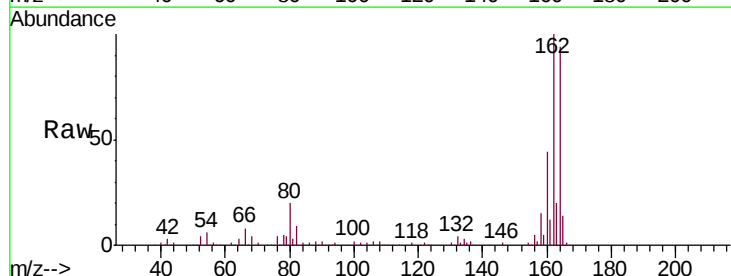
Ion Ratio Lower Upper

165 100

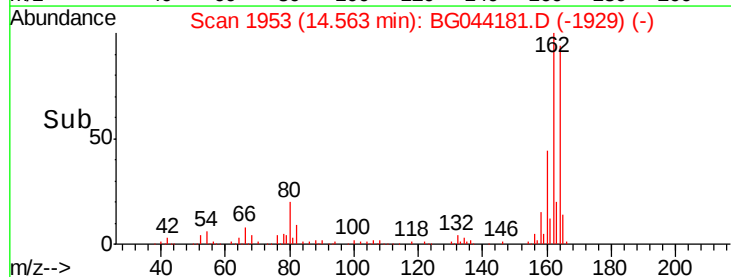
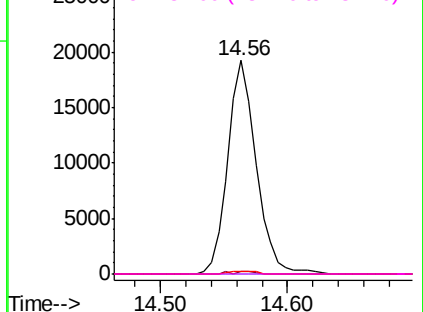
63 1.4 31.9 47.9#

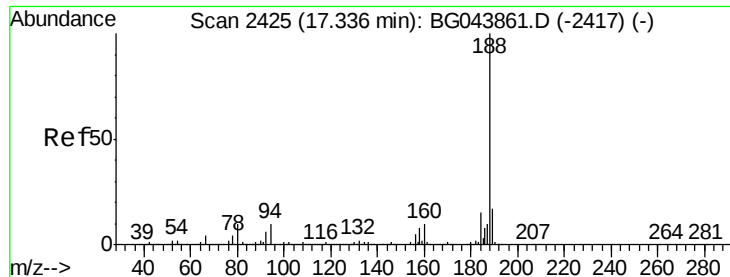
89 1.3 53.8 80.6#

182 0.0 2.0 3.0#



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
Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.31 min Scan# 2420

Delta R.T. -0.03 min

Lab File: BG044181.D

Acq: 24 Jan 2020 14:30

Instrument :

BNA_G

ClientSampleId :

EP-15

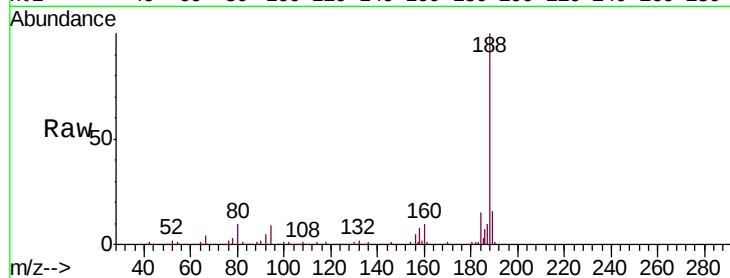
Tgt Ion:188 Resp: 471310

Ion Ratio Lower Upper

188 100

94 9.0 7.9 11.9

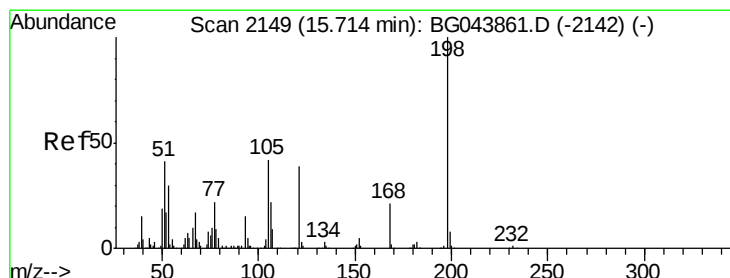
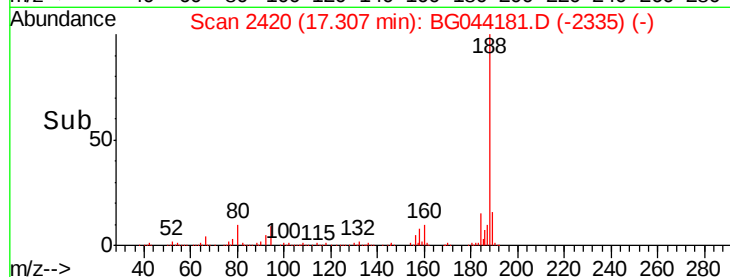
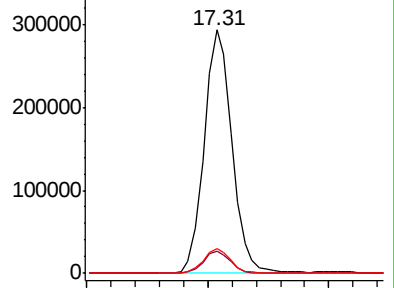
80 10.0 8.2 12.4



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#65

4,6-Dinitro-2-methylphenol

Concen: 4.666 ng

RT: 16.06 min Scan# 2207

Delta R.T. 0.34 min

Lab File: BG044181.D

Acq: 24 Jan 2020 14:30

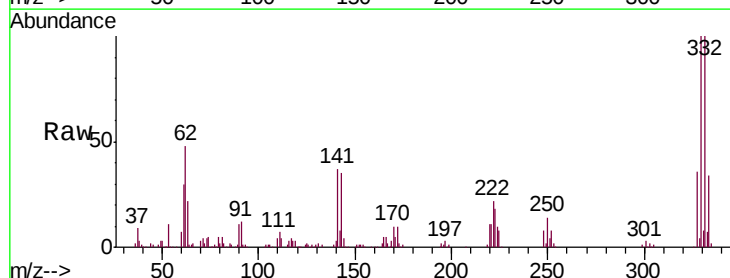
Tgt Ion:198 Resp: 739

Ion Ratio Lower Upper

198 100

51 103.9 22.5 62.5#

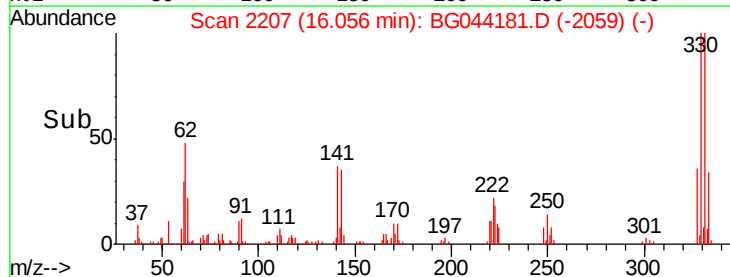
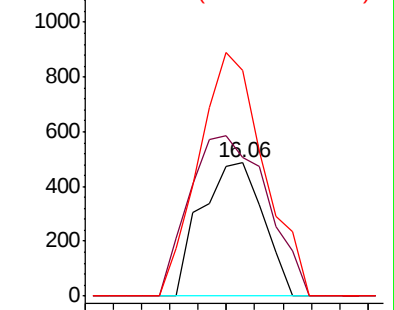
105 169.3 22.3 62.3#

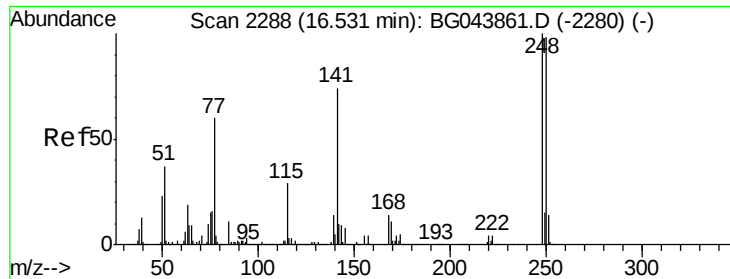


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

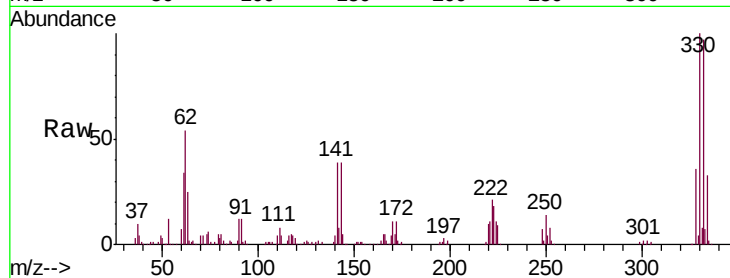




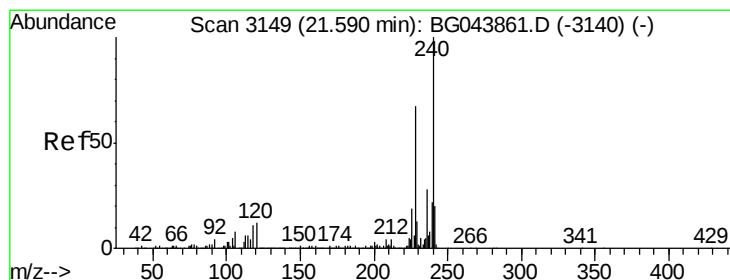
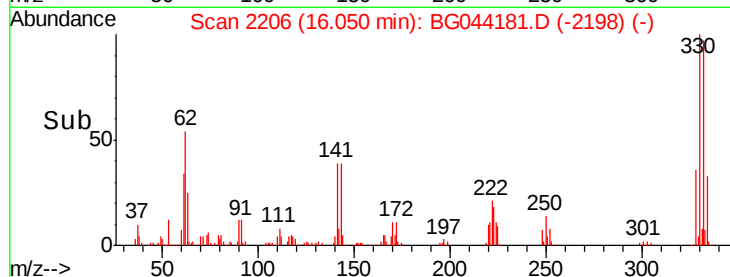
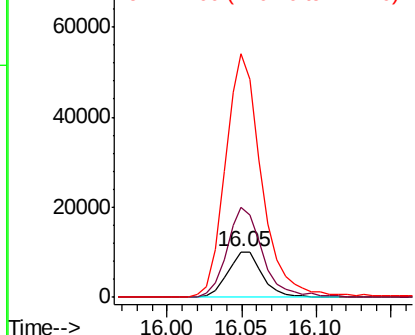
#67
 4-Bromophenyl-phenylether
 Concen: 3.091 ng
 RT: 16.05 min Scan# 2206
 Delta R.T. -0.48 min
 Lab File: BG044181.D
 Acq: 24 Jan 2020 14:30

Instrument :
 BNA_G
 ClientSampleId :
 EP-15

Tgt Ion:248 Resp: 16387
 Ion Ratio Lower Upper
 248 100
 250 198.1 78.2 117.2#
 141 534.1 59.3 88.9#

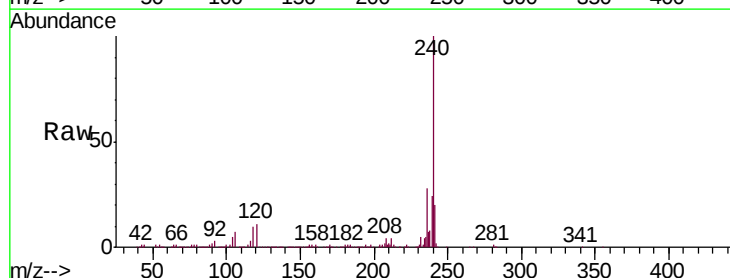


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

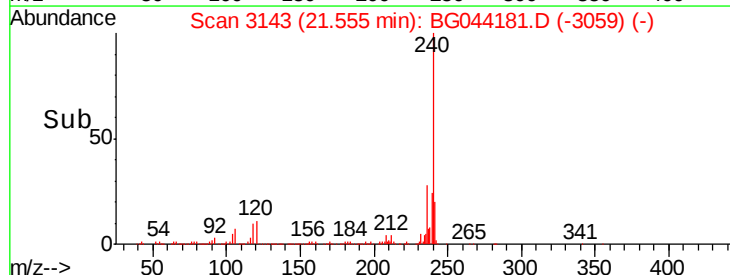
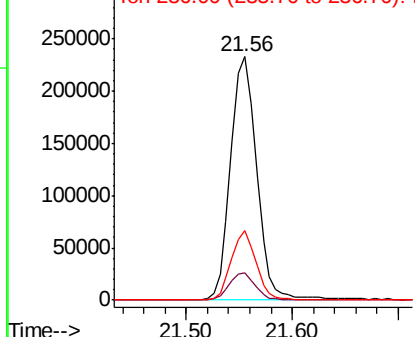


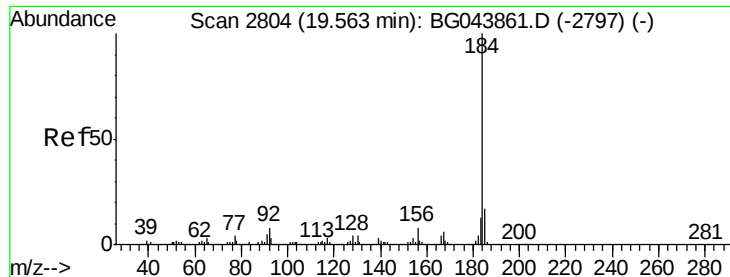
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.56 min Scan# 3143
 Delta R.T. -0.03 min
 Lab File: BG044181.D
 Acq: 24 Jan 2020 14:30

Tgt Ion:240 Resp: 399765
 Ion Ratio Lower Upper
 240 100
 120 11.0 9.6 14.4
 236 28.4 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: 2.158 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.36 min

Lab File: BG044181.D

Acq: 24 Jan 2020 14:30

Instrument :

BNA_G

ClientSampleId :

EP-15

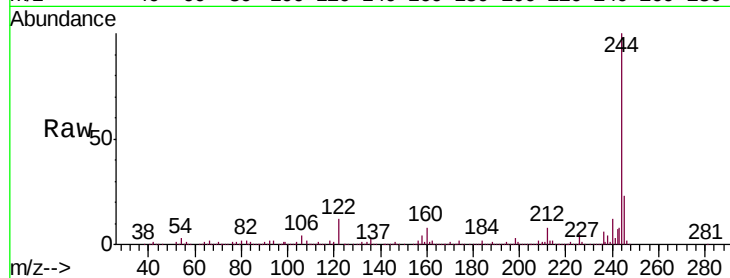
Tgt Ion:184 Resp: 21684

Ion Ratio Lower Upper

184 100

185 18.6 13.4 20.0

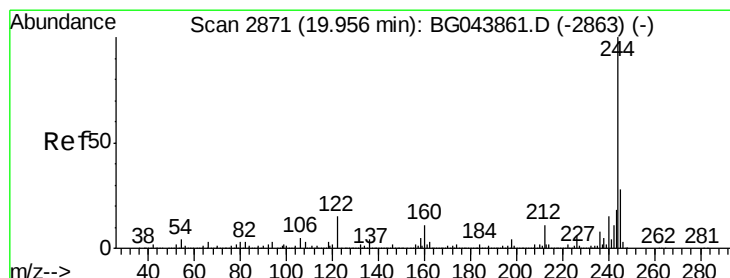
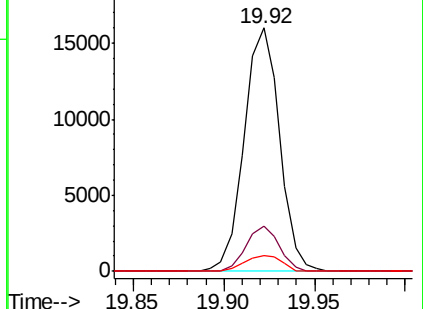
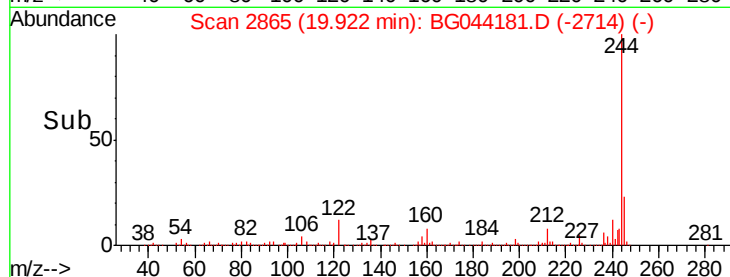
183 6.7 10.6 15.8#



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: 81.326 ng

RT: 19.92 min Scan# 2865

Delta R.T. -0.03 min

Lab File: BG044181.D

Acq: 24 Jan 2020 14:30

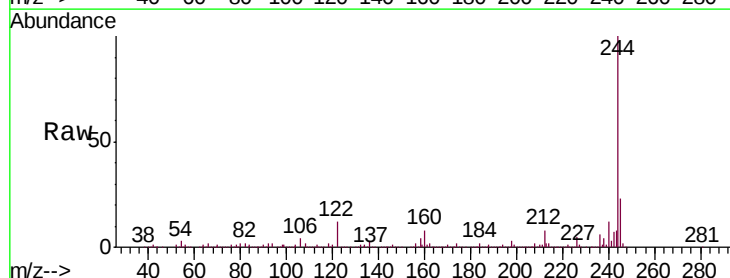
Tgt Ion:244 Resp: 1364099

Ion Ratio Lower Upper

244 100

212 8.3 8.6 13.0#

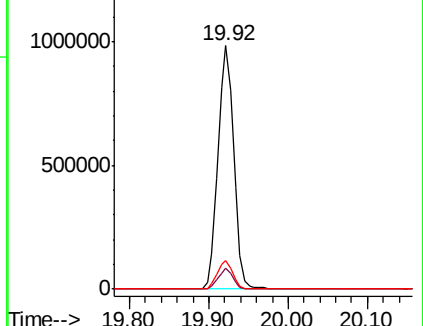
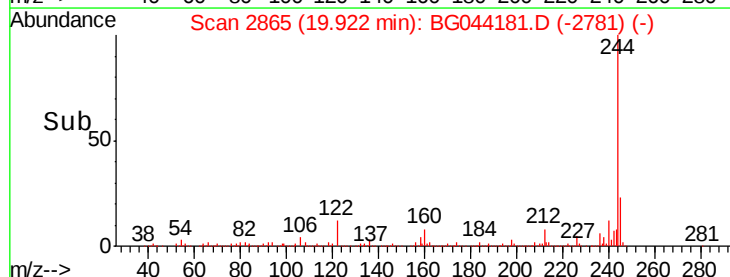
122 11.8 11.9 17.9#

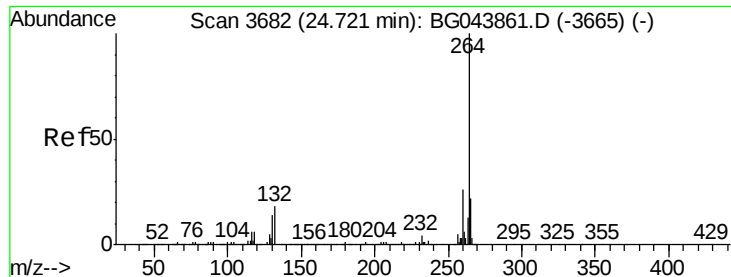


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG044181.D
Acq: 24 Jan 2020 14:30

Instrument :
BNA_G
ClientSampleId :
EP-15

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	20.4	30.6
265	21.9	17.4	26.2

