

Data File : BG044121.D
Acq On : 21 Jan 2020 6:55
Operator : JU
Sample : L1176-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EP-5

Quant Time: Jan 21 07:42:18 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

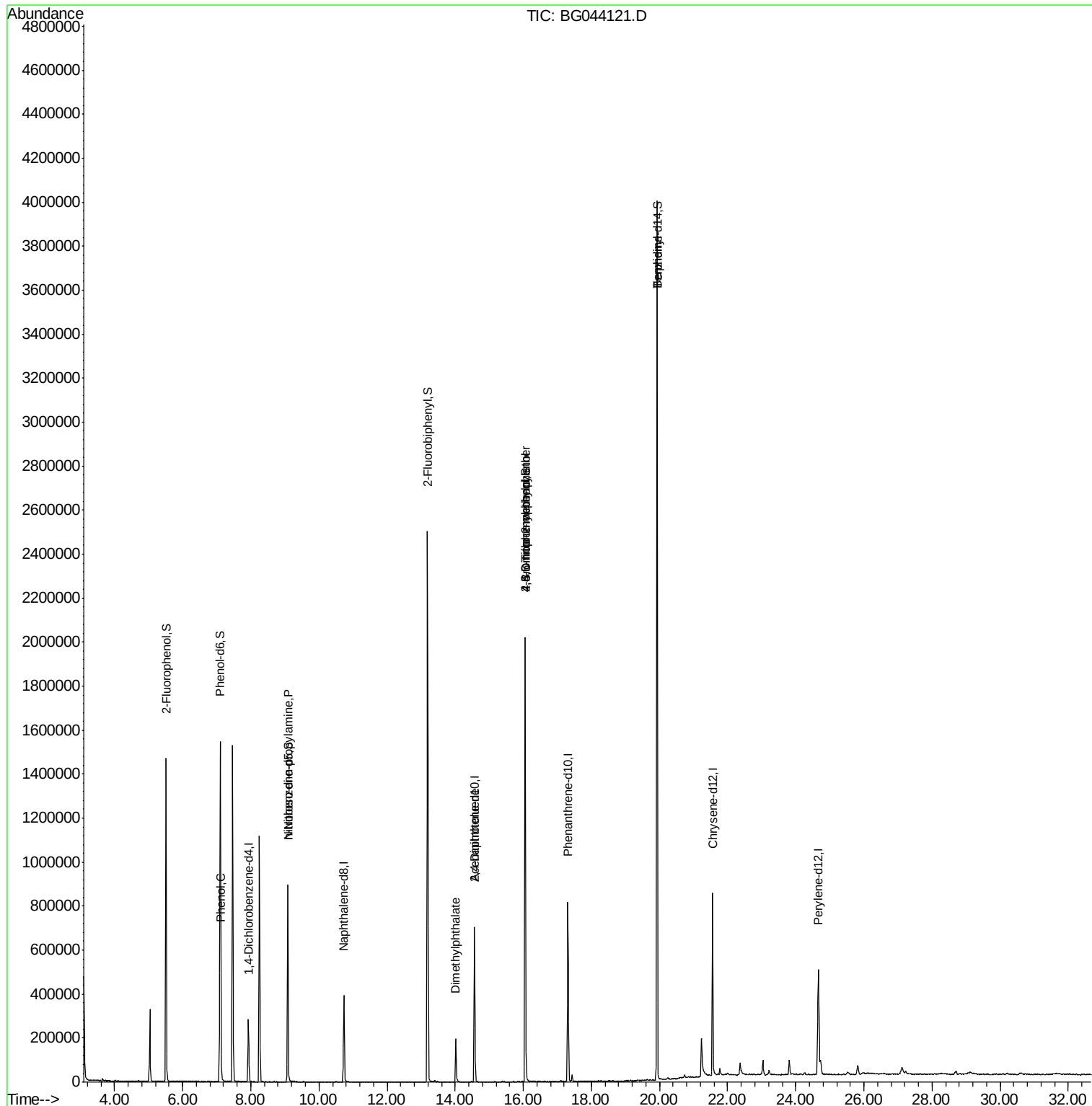
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	82706	20.00	ng	-0.03
21) Naphthalene-d8	10.73	136	366805	20.00	ng	-0.03
39) Acenaphthene-d10	14.56	164	256962	20.00	ng	-0.03
64) Phenanthrene-d10	17.31	188	537242	20.00	ng	-0.03
76) Chrysene-d12	21.56	240	458592	20.00	ng	-0.03
87) Perylene-d12	24.66	264	510023	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	690550	153.31	ng	-0.03
7) Phenol-d6	7.10	99	995887	158.17	ng	-0.02
23) Nitrobenzene-d5	9.09	82	574809	83.83	ng	-0.03
42) 2,4,6-Tribromophenol	16.06	330	394436	146.68	ng	-0.03
45) 2-Fluorobiphenyl	13.19	172	1340835	94.54	ng	-0.03
79) Terphenyl-d14	19.92	244	1902749	106.69	ng	-0.03
Target Compounds						
10) Phenol	7.13	94	38942	6.003	ng	90
19) n-Nitroso-di-n-propylamine	9.09	70	74462	15.880	ng	# 79
50) Dimethylphthalate	14.02	163	156022	8.551	ng	98
57) 2,4-Dinitrotoluene	14.56	165	33334	5.940	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.05	198	1448	4.865	ng	# 1
67) 4-Bromophenyl-phenylether	16.06	248	28335	4.689	ng	# 1
77) Benzidine	19.93	184	33487	2.905	ng	# 94

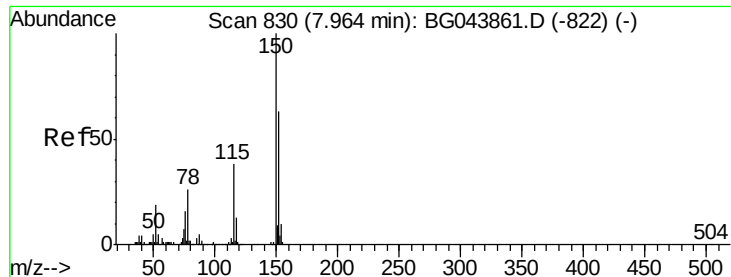
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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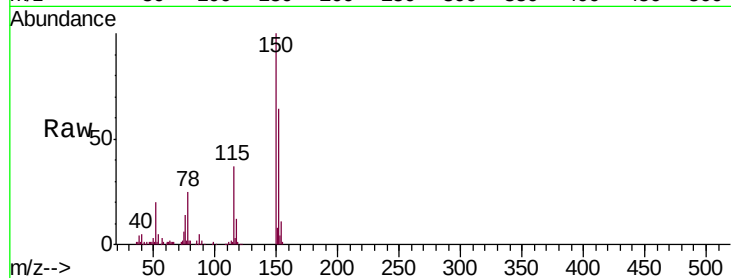


#1

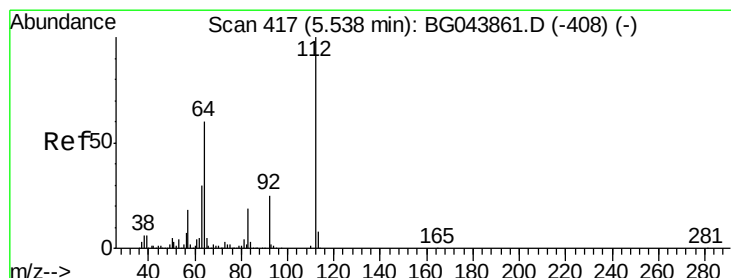
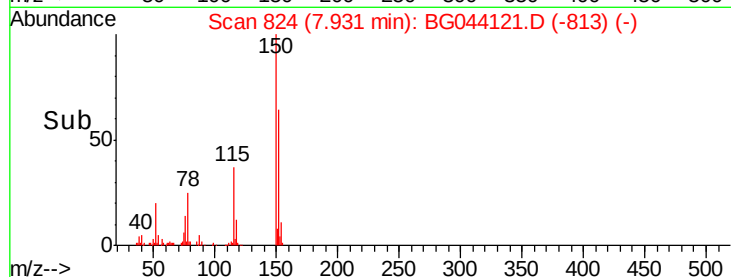
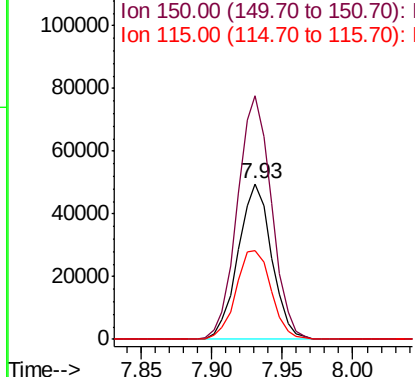
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.03 min
Lab File: BG044121.D
Acq: 21 Jan 2020 6:55

Instrument :
BNA_G
ClientSampleId :
EP-5

Tgt Ion:152 Resp: 82706
Ion Ratio Lower Upper
152 100
150 156.6 127.0 190.4
115 57.5 47.8 71.8



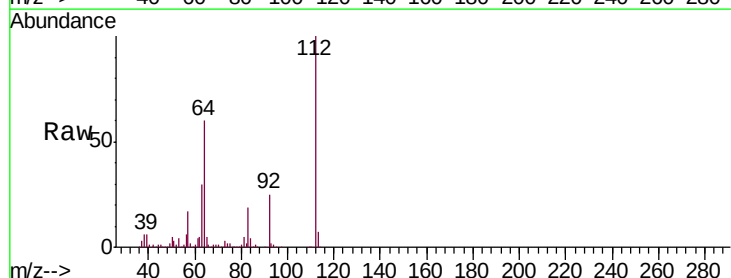
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



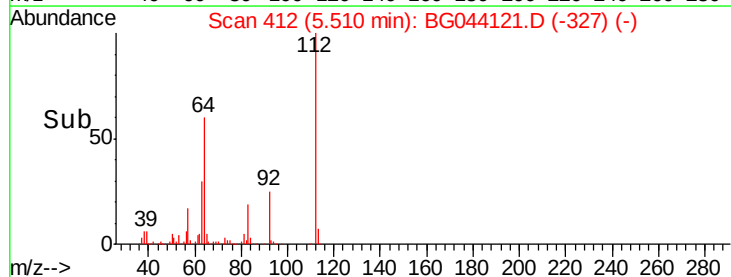
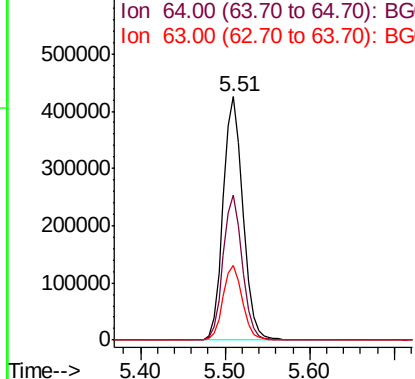
#5

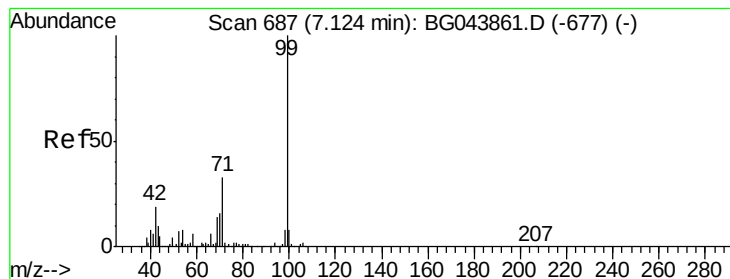
2-Fluorophenol
Concen: 153.306 ng
RT: 5.51 min Scan# 412
Delta R.T. -0.03 min
Lab File: BG044121.D
Acq: 21 Jan 2020 6:55

Tgt Ion:112 Resp: 690550
Ion Ratio Lower Upper
112 100
64 59.6 47.8 71.6
63 30.4 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: 158.170 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.02 min

Lab File: BG044121.D

Acq: 21 Jan 2020 6:55

Instrument :

BNA_G

ClientSampled :

EP-5

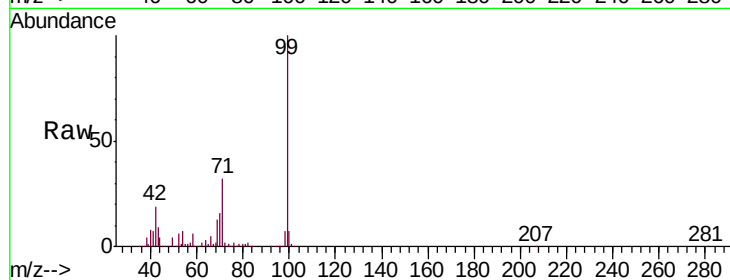
Tgt Ion: 99 Resp: 995887

Ion Ratio Lower Upper

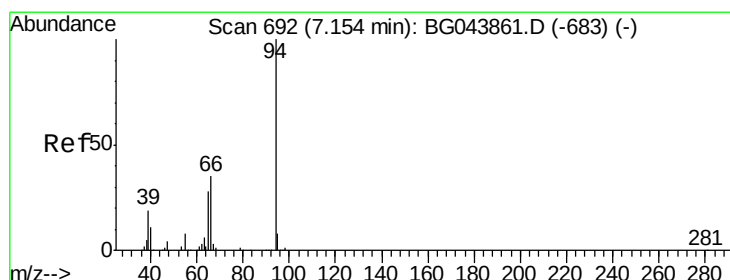
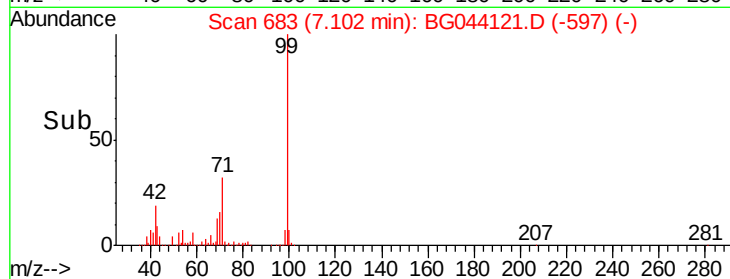
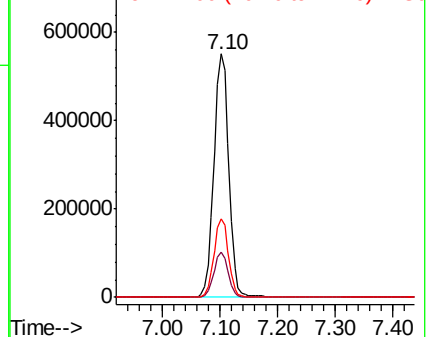
99 100

42 18.5 14.9 22.3

71 32.4 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: 6.003 ng

RT: 7.13 min Scan# 687

Delta R.T. -0.03 min

Lab File: BG044121.D

Acq: 21 Jan 2020 6:55

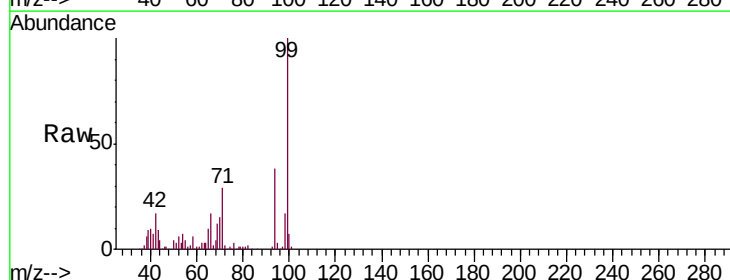
Tgt Ion: 94 Resp: 38942

Ion Ratio Lower Upper

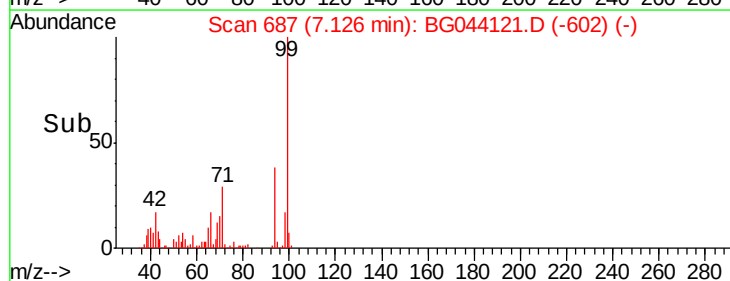
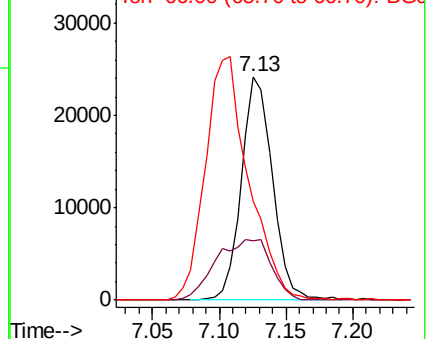
94 100

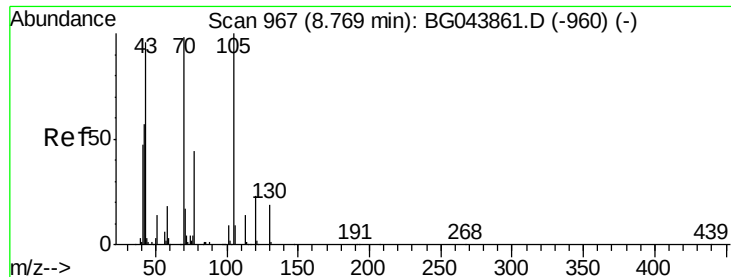
65 26.4 8.1 48.1

66 44.4 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

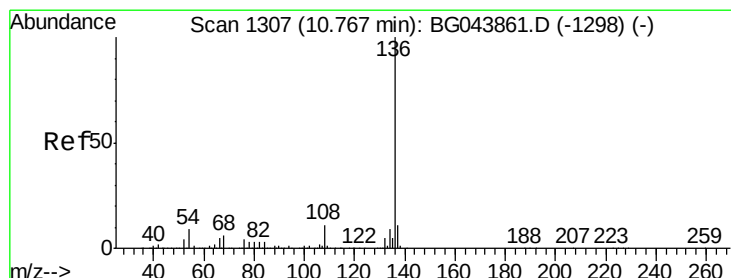
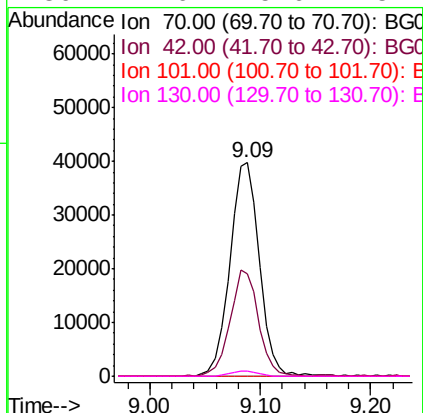
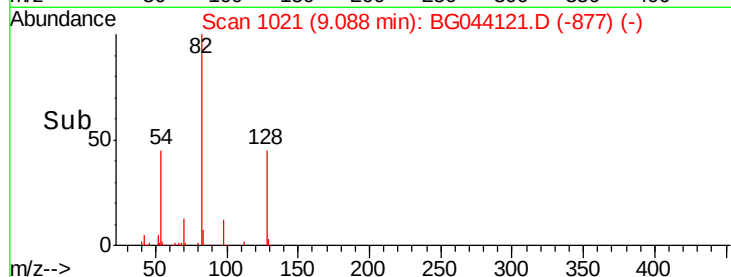
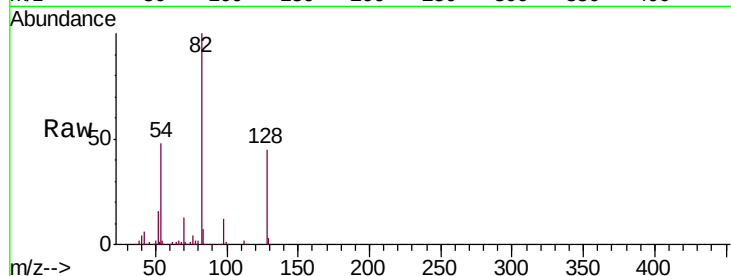




#19
n-Nitroso-di-n-propylamine
Concen: 15.880 ng
RT: 9.09 min Scan# 1021
Delta R.T. 0.32 min
Lab File: BG044121.D
Acq: 21 Jan 2020 6:55

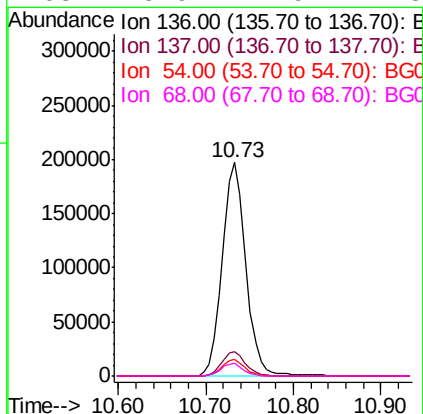
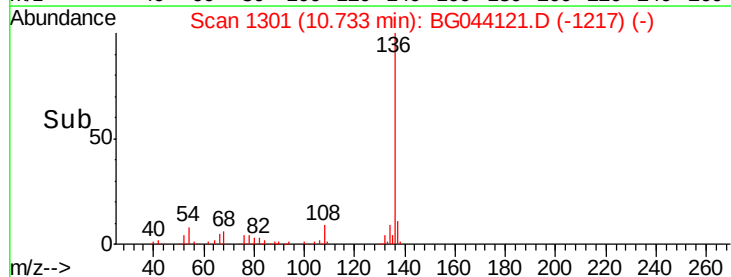
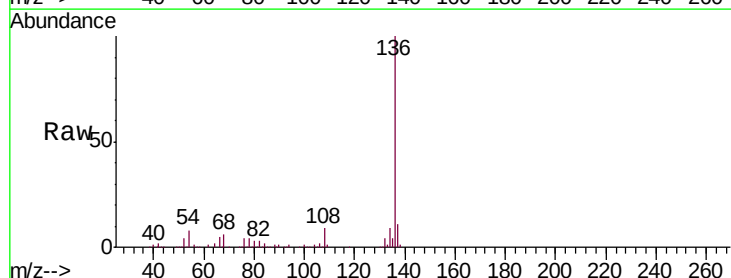
Instrument :
BNA_G
ClientSampleId :
EP-5

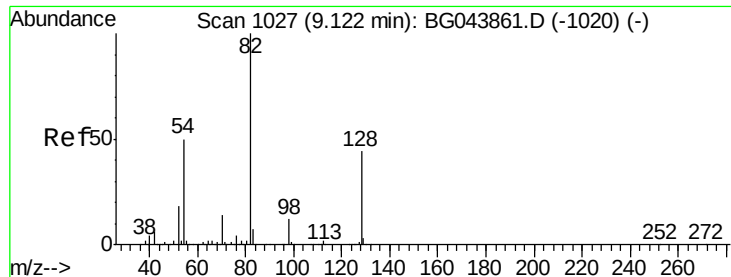
Tgt Ion: 70 Resp: 74462
Ion Ratio Lower Upper
70 100
42 47.7 47.0 70.4
101 0.0 7.2 10.8#
130 2.6 15.6 23.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1301
Delta R.T. -0.03 min
Lab File: BG044121.D
Acq: 21 Jan 2020 6:55

Tgt Ion: 136 Resp: 366805
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 7.8 7.0 10.4
68 5.9 4.9 7.3

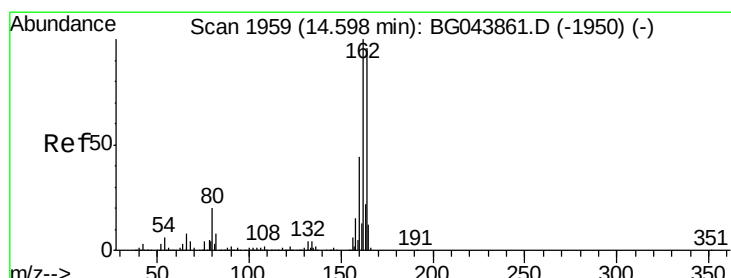
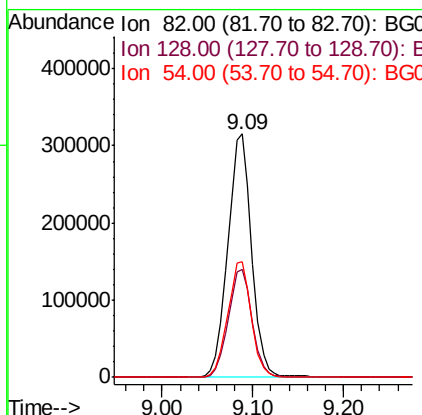
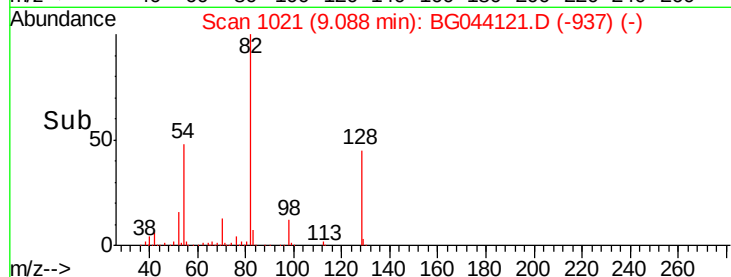
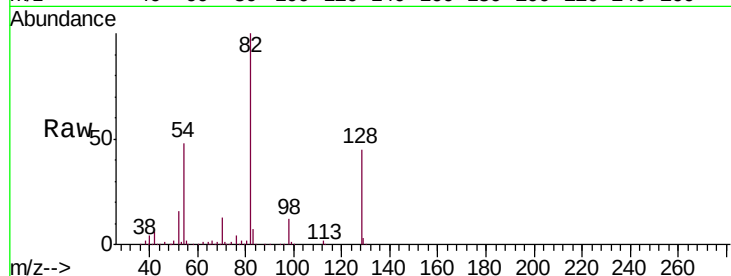




#23
 Nitrobenzene-d5
 Concen: 83.832 ng
 RT: 9.09 min Scan# 1021
 Delta R.T. -0.03 min
 Lab File: BG044121.D
 Acq: 21 Jan 2020 6:55

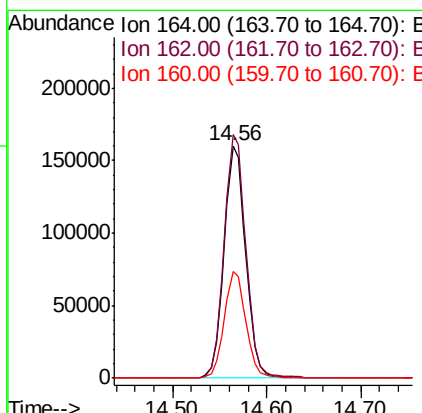
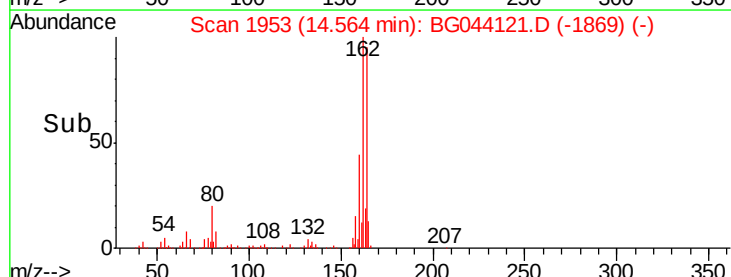
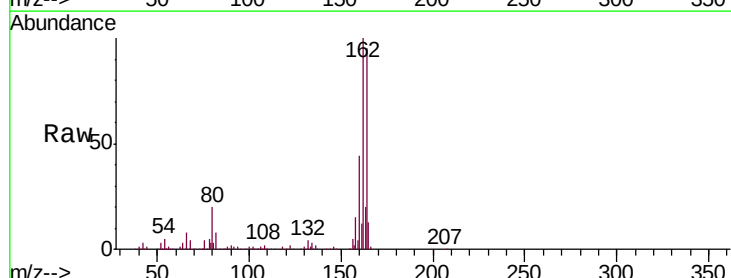
Instrument :
 BNA_G
 ClientSampleId :
 EP-5

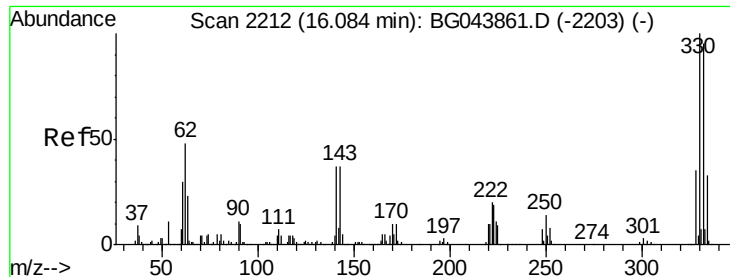
Tgt Ion: 82 Resp: 574809
 Ion Ratio Lower Upper
 82 100
 128 44.5 35.1 52.7
 54 47.7 40.1 60.1



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.56 min Scan# 1953
 Delta R.T. -0.03 min
 Lab File: BG044121.D
 Acq: 21 Jan 2020 6:55

Tgt Ion: 164 Resp: 256962
 Ion Ratio Lower Upper
 164 100
 162 104.9 83.0 124.4
 160 46.0 36.1 54.1





#42

2,4,6-Tribromophenol

Concen: 146.682 ng

RT: 16.06 min Scan# 2207

Delta R.T. -0.03 min

Lab File: BG044121.D

Acq: 21 Jan 2020 6:55

Instrument :

BNA_G

ClientSampleId :

EP-5

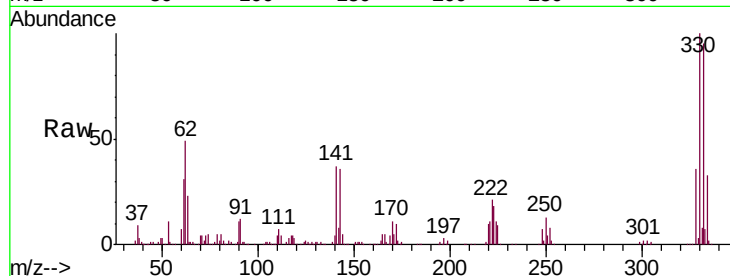
Tgt Ion:330 Resp: 394436

Ion Ratio Lower Upper

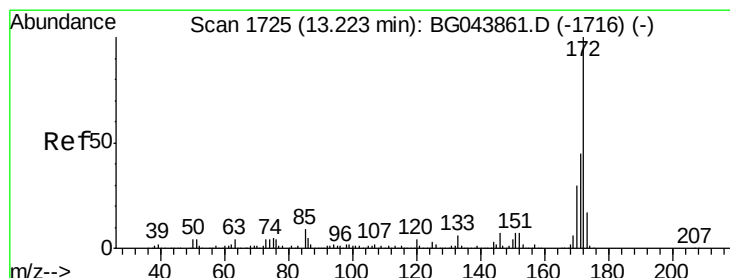
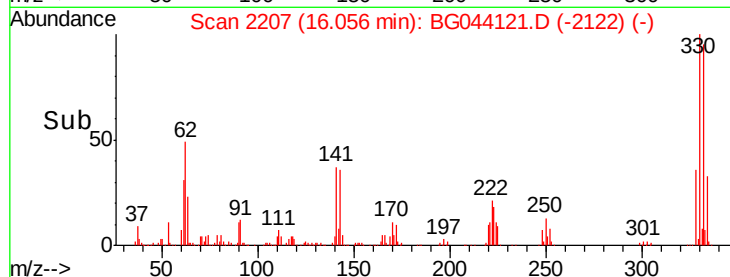
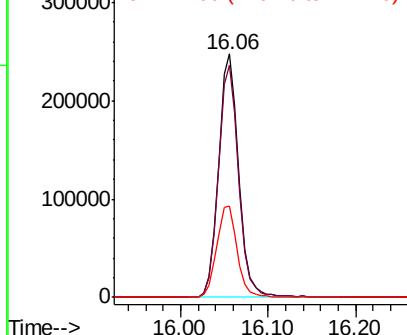
330 100

332 95.6 77.2 115.8

141 38.6 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: 94.539 ng

RT: 13.19 min Scan# 1719

Delta R.T. -0.03 min

Lab File: BG044121.D

Acq: 21 Jan 2020 6:55

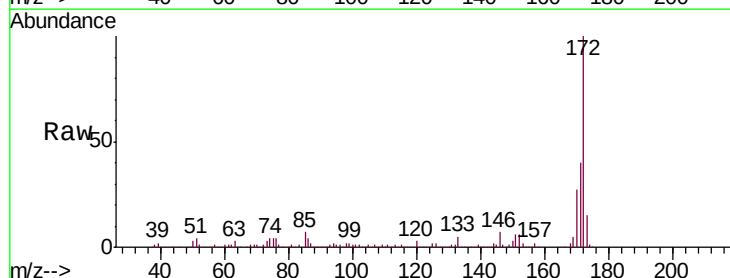
Tgt Ion:172 Resp: 1340835

Ion Ratio Lower Upper

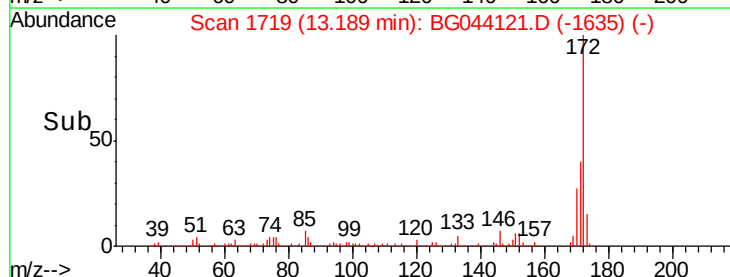
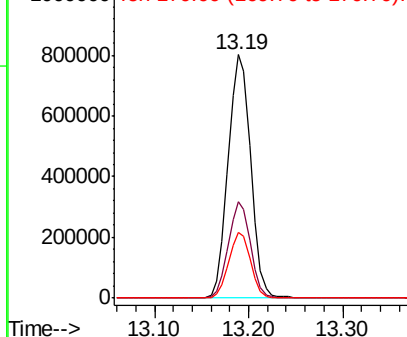
172 100

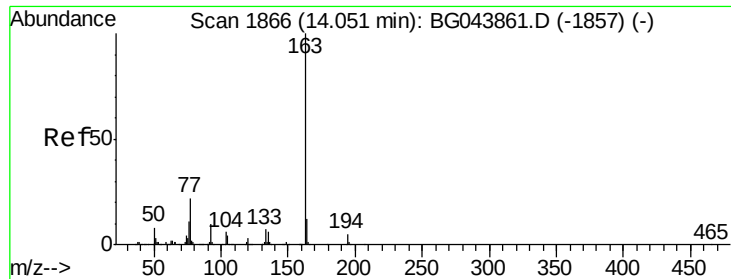
171 39.5 35.8 53.8

170 26.8 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: 8.551 ng

RT: 14.02 min Scan# 1860

Delta R.T. -0.03 min

Lab File: BG044121.D

Acq: 21 Jan 2020 6:55

Instrument :

BNA_G

ClientSampleId :

EP-5

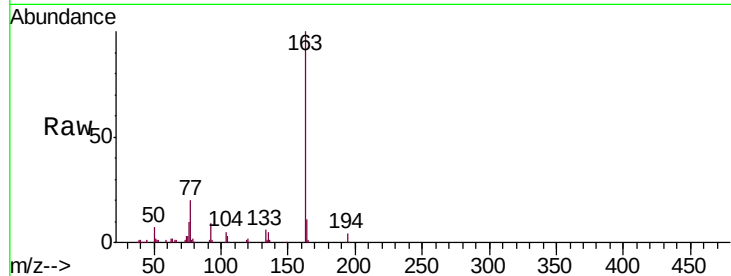
Tgt Ion:163 Resp: 156022

Ion Ratio Lower Upper

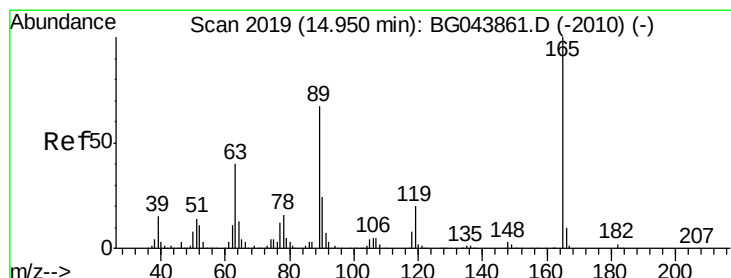
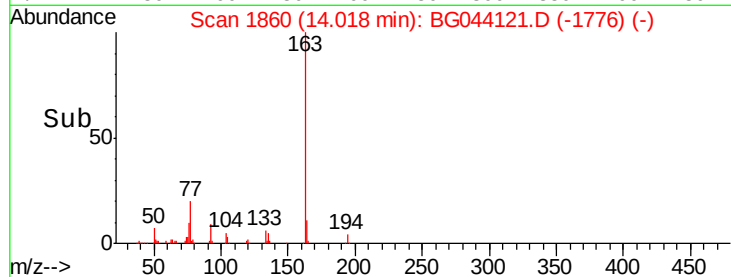
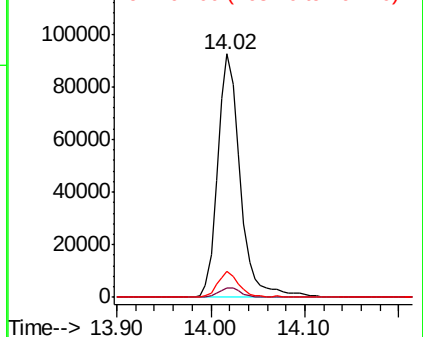
163 100

194 3.8 3.7 5.5

164 10.8 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: 5.940 ng

RT: 14.56 min Scan# 1953

Delta R.T. -0.39 min

Lab File: BG044121.D

Acq: 21 Jan 2020 6:55

Tgt Ion:165 Resp: 33334

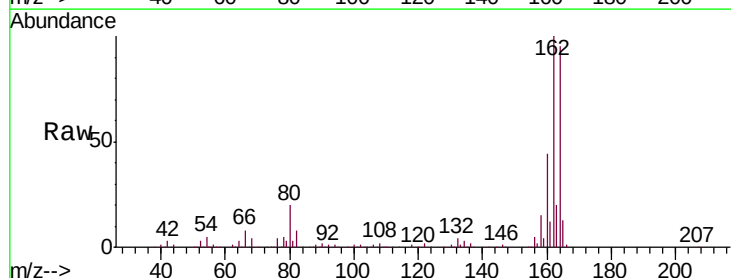
Ion Ratio Lower Upper

165 100

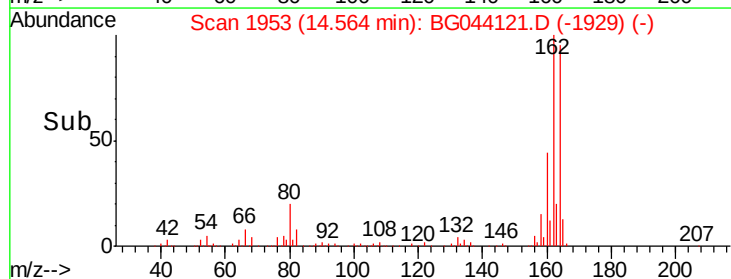
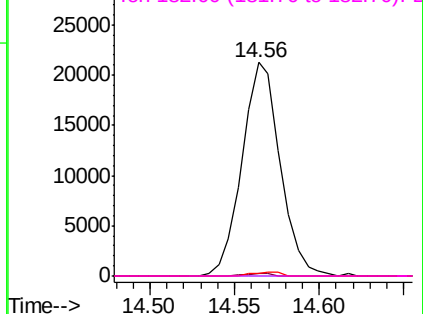
63 1.5 31.9 47.9#

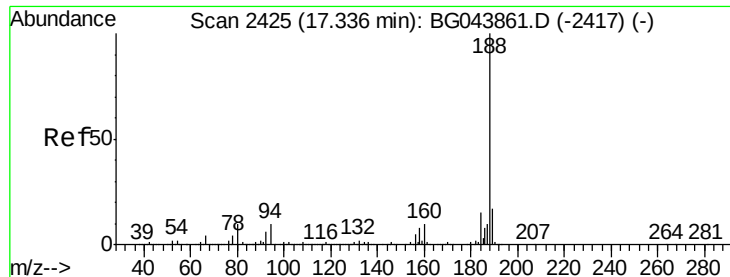
89 1.3 53.8 80.6#

182 0.0 2.0 3.0#



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: BG044121.D

Acq: 21 Jan 2020 6:55

Instrument :

BNA_G

ClientSampled :

EP-5

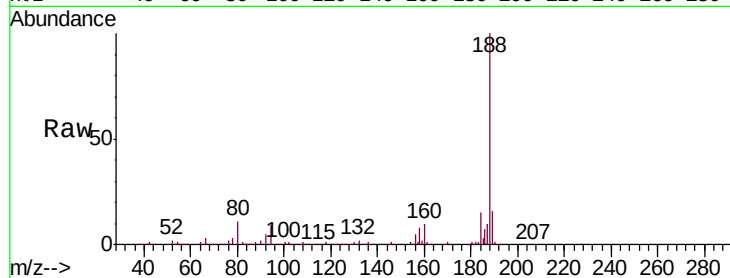
Tgt Ion:188 Resp: 537242

Ion Ratio Lower Upper

188 100

94 9.4 7.9 11.9

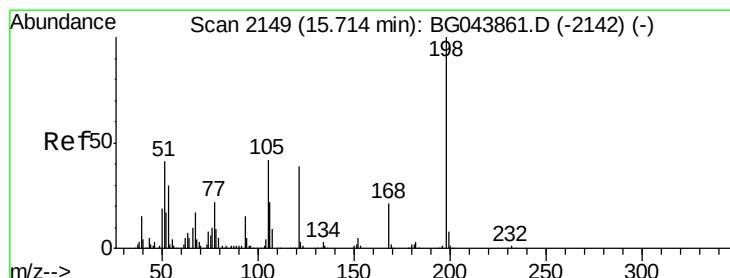
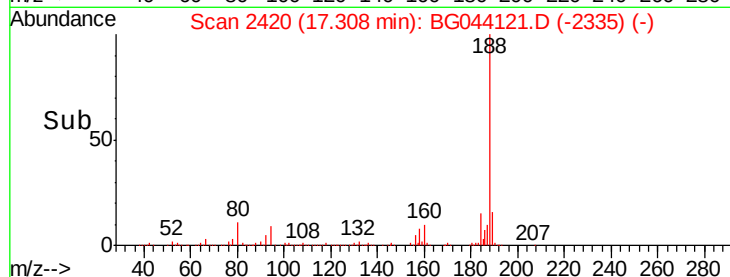
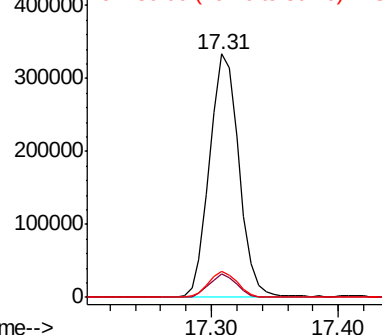
80 10.6 8.2 12.4



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: 4.865 ng

RT: 16.05 min Scan# 2206

Delta R.T. 0.34 min

Lab File: BG044121.D

Acq: 21 Jan 2020 6:55

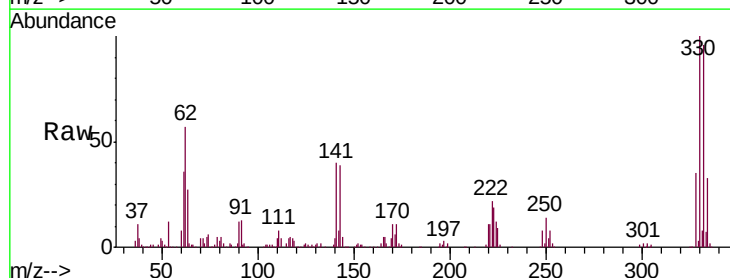
Tgt Ion:198 Resp: 1448

Ion Ratio Lower Upper

198 100

51 128.1 22.5 62.5#

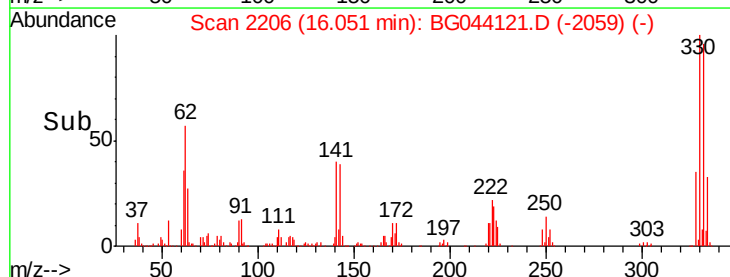
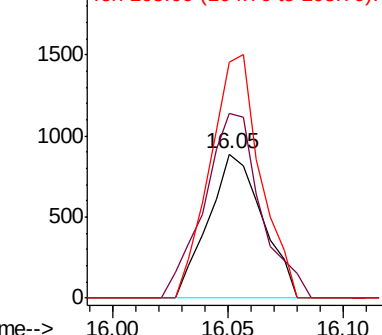
105 163.3 22.3 62.3#

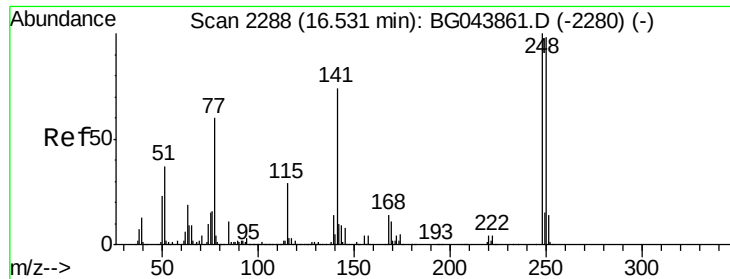


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

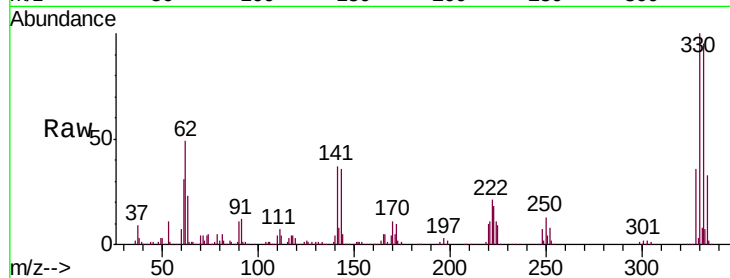




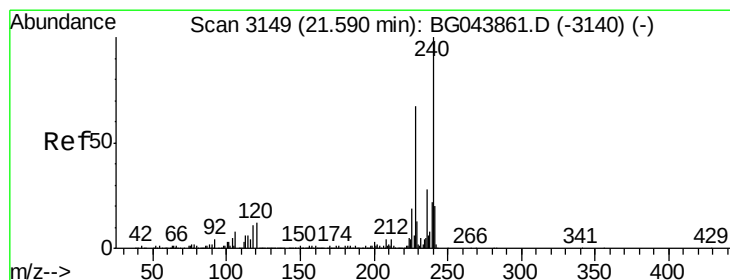
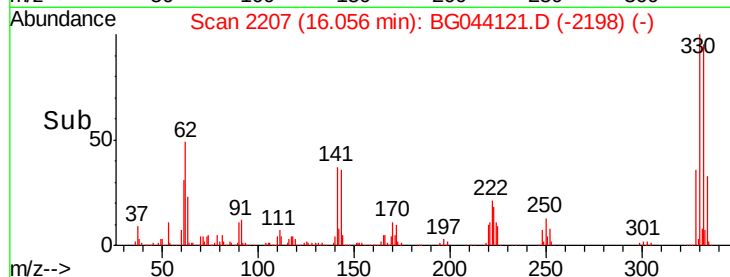
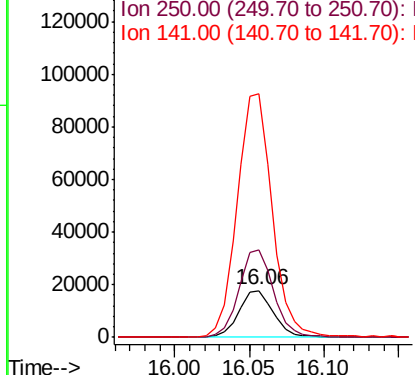
#67
 4-Bromophenyl-phenylether
 Concen: 4.689 ng
 RT: 16.06 min Scan# 2207
 Delta R.T. -0.47 min
 Lab File: BG044121.D
 Acq: 21 Jan 2020 6:55

Instrument :
 BNA_G
 ClientSampleId :
 EP-5

Tgt Ion:248 Resp: 28335
 Ion Ratio Lower Upper
 248 100
 250 187.5 78.2 117.2#
 141 523.9 59.3 88.9#

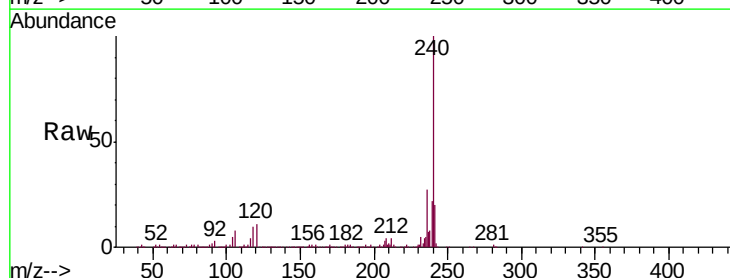


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

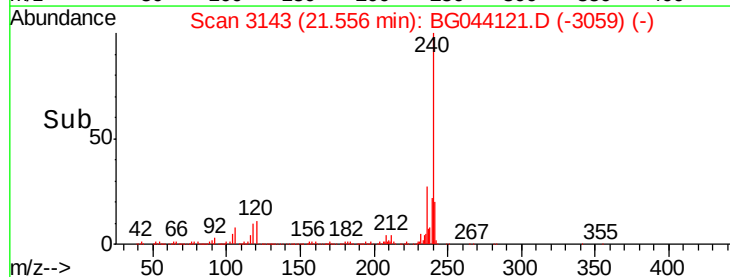
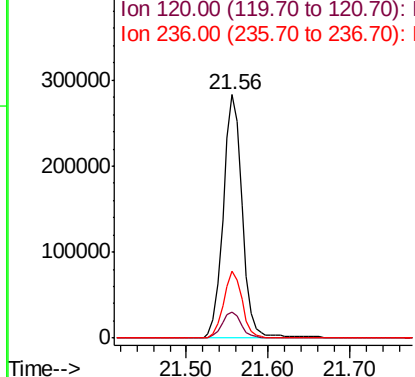


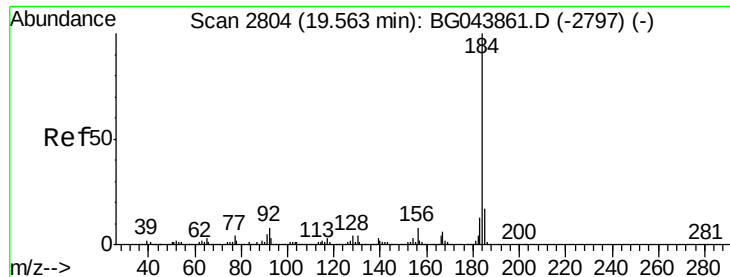
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.56 min Scan# 3143
 Delta R.T. -0.03 min
 Lab File: BG044121.D
 Acq: 21 Jan 2020 6:55

Tgt Ion:240 Resp: 458592
 Ion Ratio Lower Upper
 240 100
 120 10.9 9.6 14.4
 236 27.4 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: 2.905 ng

RT: 19.93 min Scan# 2866

Delta R.T. 0.37 min

Lab File: BG044121.D

Acq: 21 Jan 2020 6:55

Instrument :

BNA_G

ClientSampleId :

EP-5

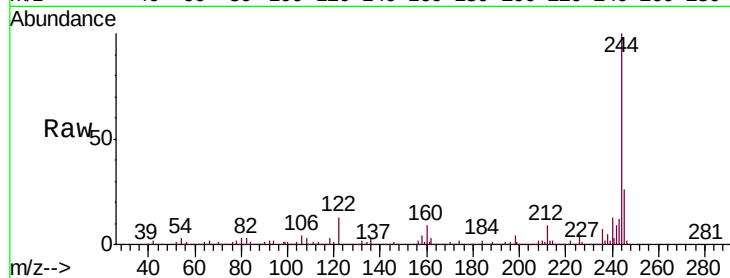
Tgt Ion:184 Resp: 33487

Ion Ratio Lower Upper

184 100

185 16.3 13.4 20.0

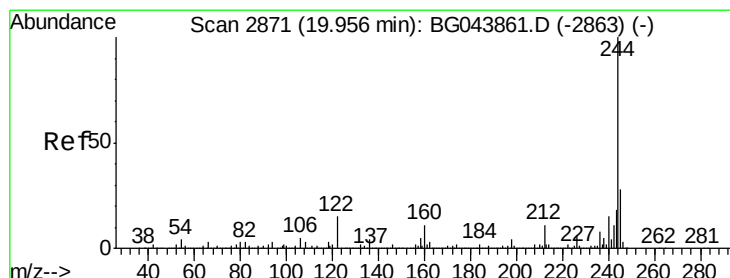
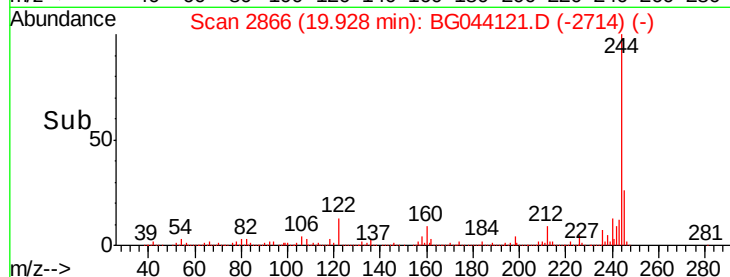
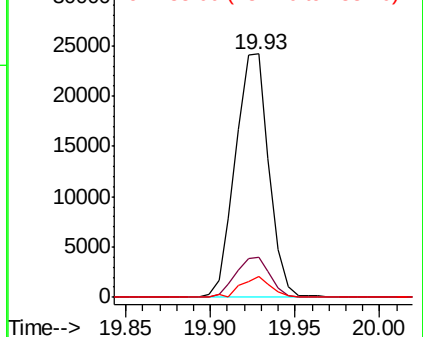
183 8.6 10.6 15.8#



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: 106.688 ng

RT: 19.92 min Scan# 2865

Delta R.T. -0.03 min

Lab File: BG044121.D

Acq: 21 Jan 2020 6:55

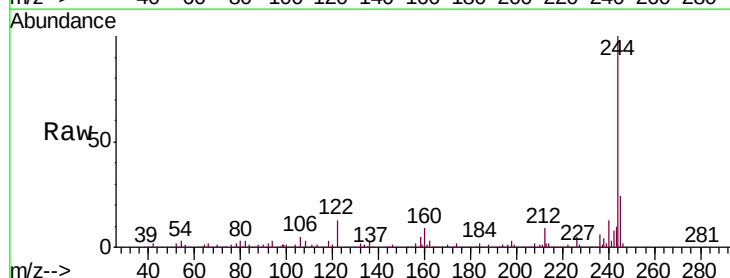
Tgt Ion:244 Resp: 1902749

Ion Ratio Lower Upper

244 100

212 9.3 8.6 13.0

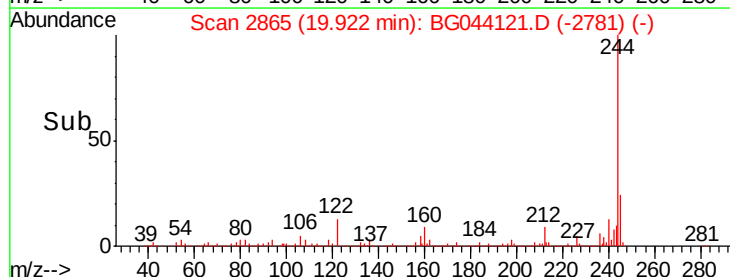
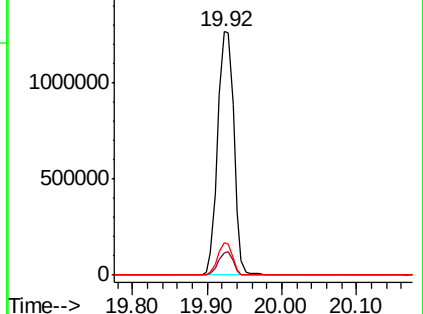
122 13.2 11.9 17.9

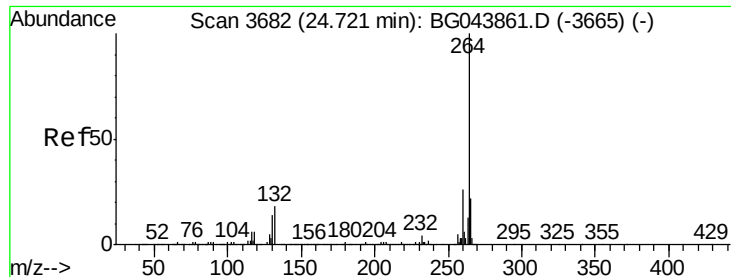


Abundance Ion 244.00 (243.70 to 244.70): E

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# 3672
Delta R.T. -0.06 min
Lab File: BG044121.D
Acq: 21 Jan 2020 6:55

Instrument :
BNA_G
ClientSampleId :
EP-5

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	20.4	30.6
265	21.9	17.4	26.2

