

Data File : BG044097.D
Acq On : 20 Jan 2020 14:27
Operator : JU
Sample : L1176-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EP-3

Quant Time: Jan 21 04:40:17 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

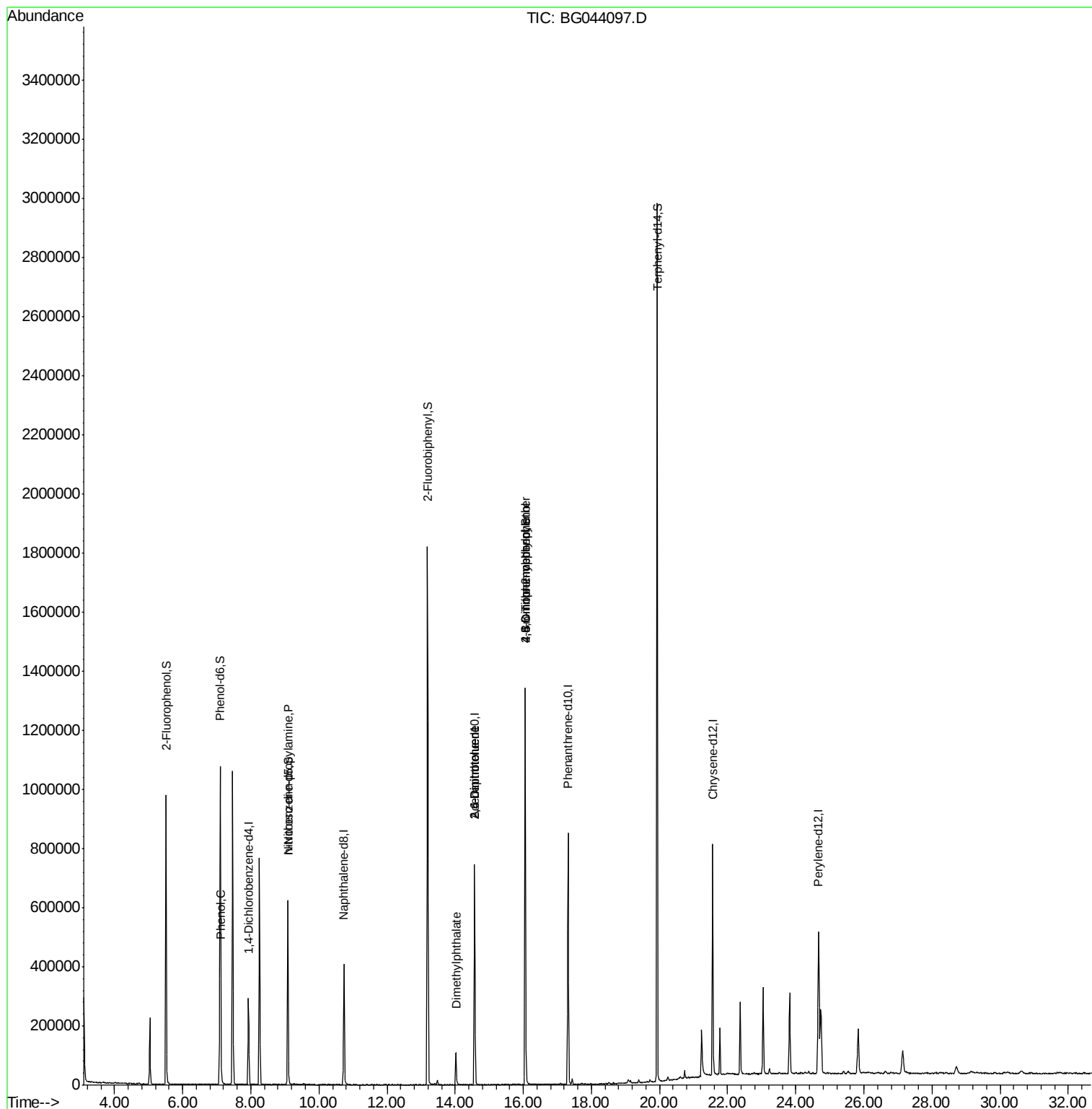
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	87403	20.00	ng	-0.03
21) Naphthalene-d8	10.73	136	387205	20.00	ng	-0.03
39) Acenaphthene-d10	14.57	164	270587	20.00	ng	-0.03
64) Phenanthrene-d10	17.31	188	541226	20.00	ng	-0.02
76) Chrysene-d12	21.56	240	458638	20.00	ng	-0.03
87) Perylene-d12	24.67	264	505933	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	471731	99.10	ng	-0.03
7) Phenol-d6	7.10	99	696894	104.73	ng	-0.02
23) Nitrobenzene-d5	9.09	82	401479	55.47	ng	-0.03
42) 2,4,6-Tribromophenol	16.06	330	261042	92.19	ng	-0.03
45) 2-Fluorobiphenyl	13.19	172	1001585	67.06	ng	-0.03
79) Terphenyl-d14	19.93	244	1373547	68.34	ng	-0.03
Target Compounds						
10) Phenol	7.13	94	25737	3.754	ng	86
19) n-Nitroso-di-n-propylamine	9.09	70	51351	10.363	ng	# 78
50) Dimethylphthalate	14.02	163	91855	4.781	ng	# 95
51) 2,6-Dinitrotoluene	14.57	165	35520	8.180	ng	# 26
57) 2,4-Dinitrotoluene	14.57	165	35520	6.011	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.06	198	796	4.649	ng	# 1
67) 4-Bromophenyl-phenylether	16.06	248	17987	2.955	ng	# 1

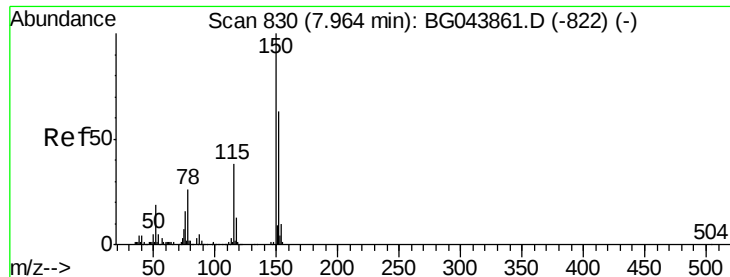
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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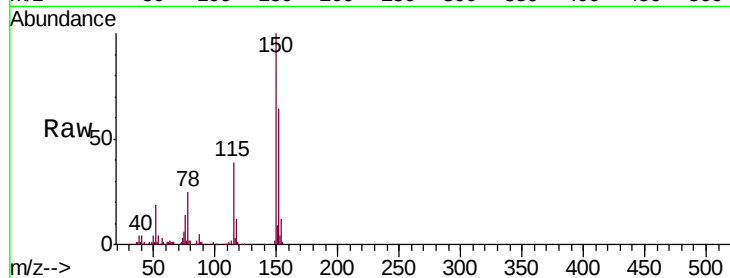


#1

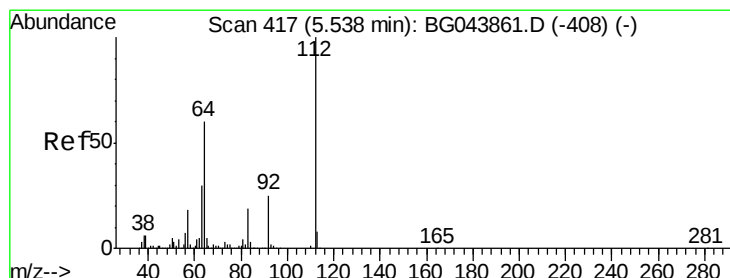
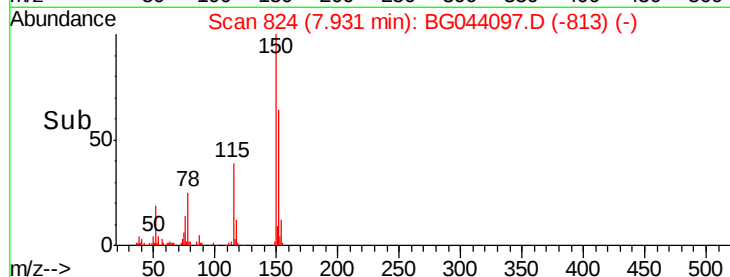
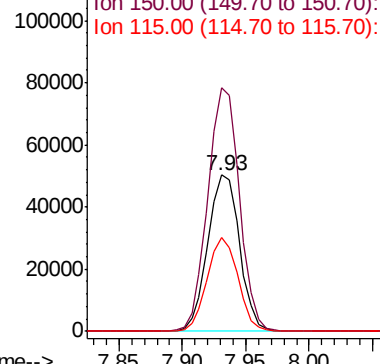
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.03 min
Lab File: BG044097.D
Acq: 20 Jan 2020 14:27

Instrument :
BNA_G
ClientSampleId :
EP-3

Tgt Ion:152 Resp: 87403
Ion Ratio Lower Upper
152 100
150 155.7 127.0 190.4
115 60.3 47.8 71.8



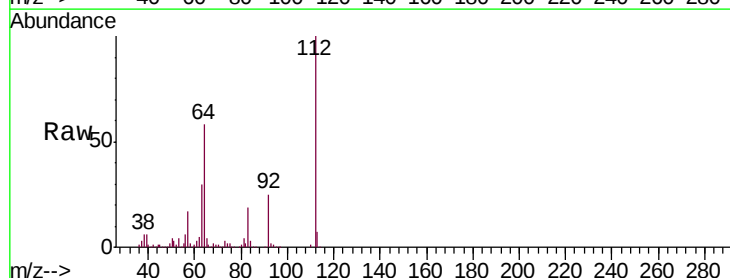
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



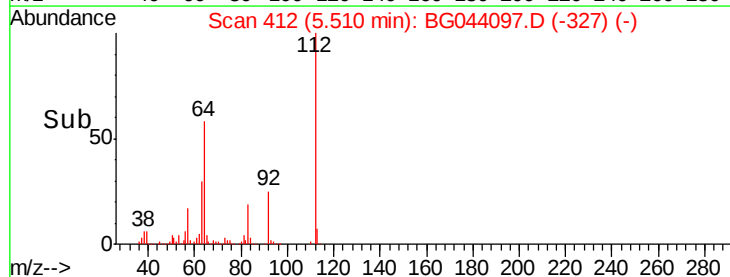
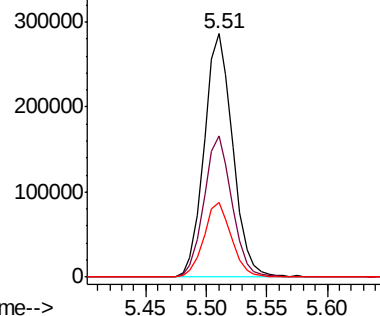
#5

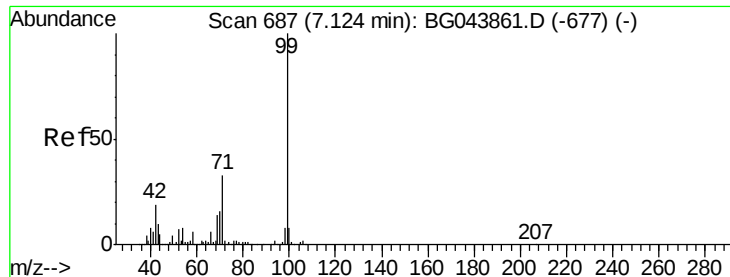
2-Fluorophenol
Concen: 99.099 ng
RT: 5.51 min Scan# 412
Delta R.T. -0.03 min
Lab File: BG044097.D
Acq: 20 Jan 2020 14:27

Tgt Ion:112 Resp: 471731
Ion Ratio Lower Upper
112 100
64 57.9 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: 104.735 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.02 min

Lab File: BG044097.D

Acq: 20 Jan 2020 14:27

Instrument :

BNA_G

ClientSampleId :

EP-3

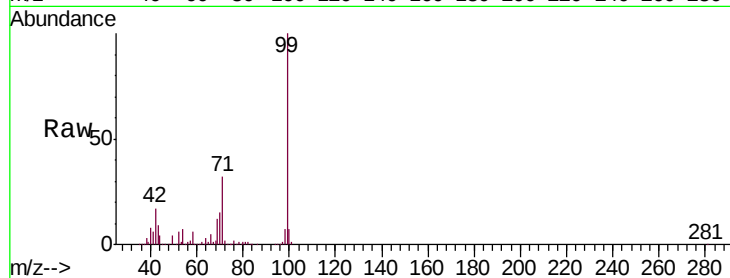
Tgt Ion: 99 Resp: 696894

Ion Ratio Lower Upper

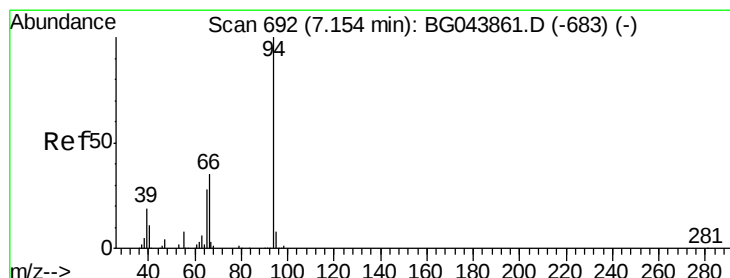
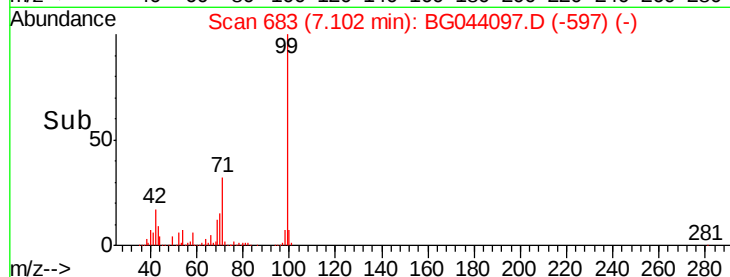
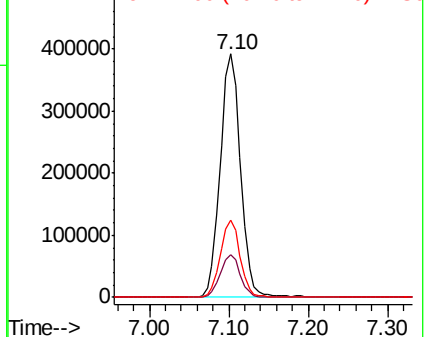
99 100

42 17.4 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: 3.754 ng

RT: 7.13 min Scan# 687

Delta R.T. -0.03 min

Lab File: BG044097.D

Acq: 20 Jan 2020 14:27

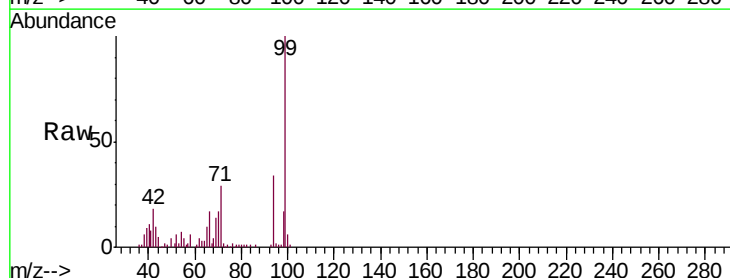
Tgt Ion: 94 Resp: 25737

Ion Ratio Lower Upper

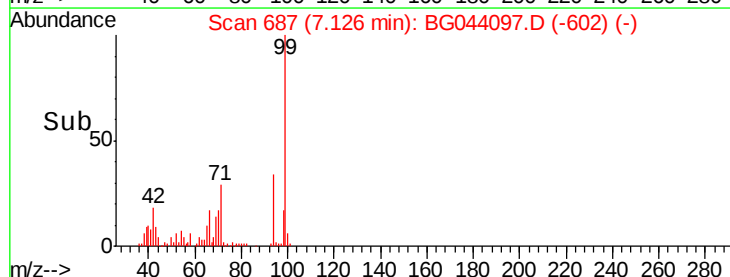
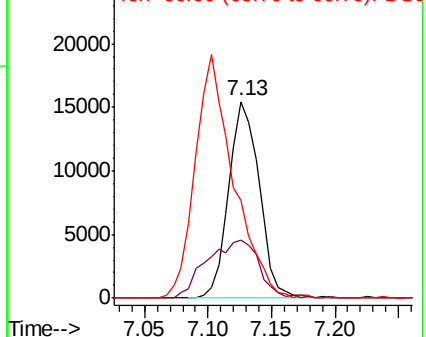
94 100

65 29.4 8.1 48.1

66 49.5 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

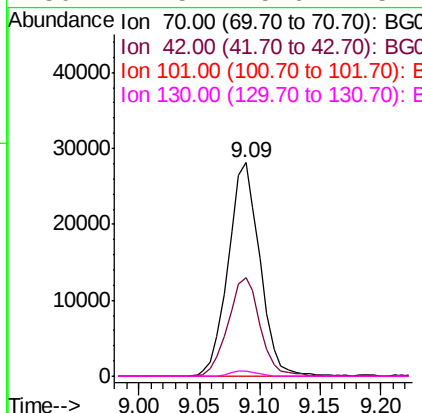
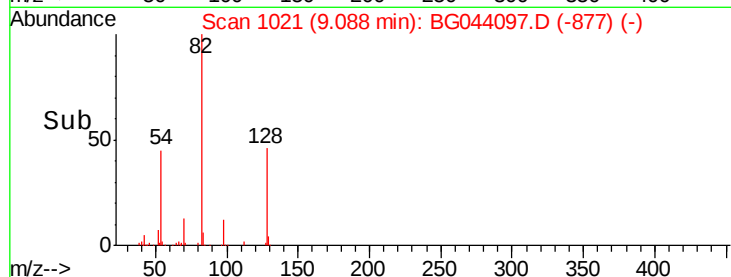
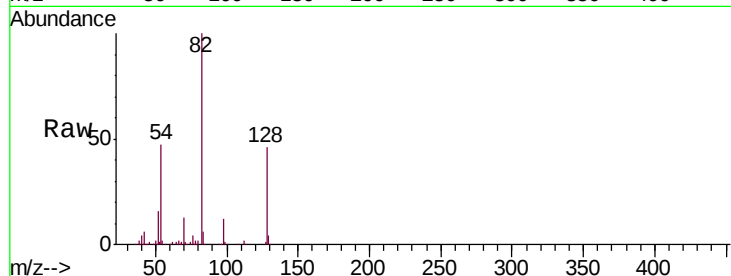




#19
n-Nitroso-di-n-propylamine
Concen: 10.363 ng
RT: 9.09 min Scan# 1021
Delta R.T. 0.32 min
Lab File: BG044097.D
Acq: 20 Jan 2020 14:27

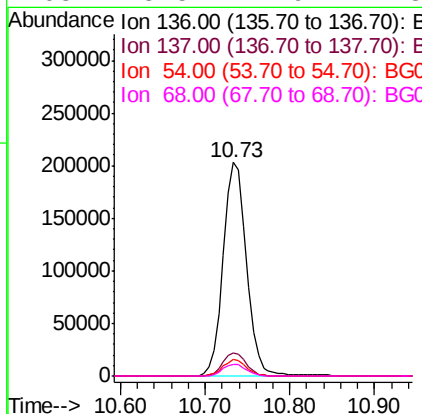
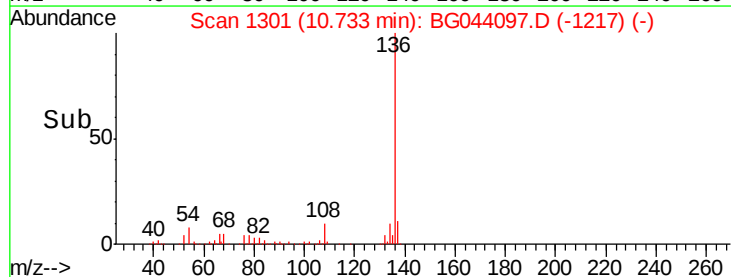
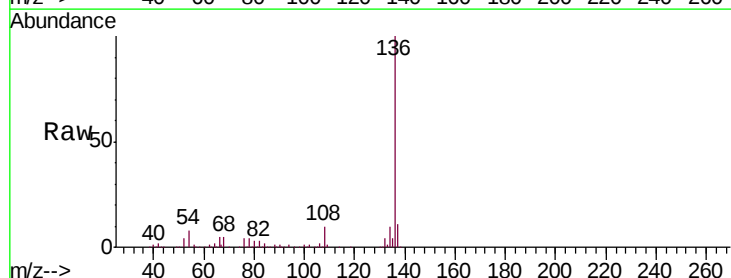
Instrument :
BNA_G
ClientSampleId :
EP-3

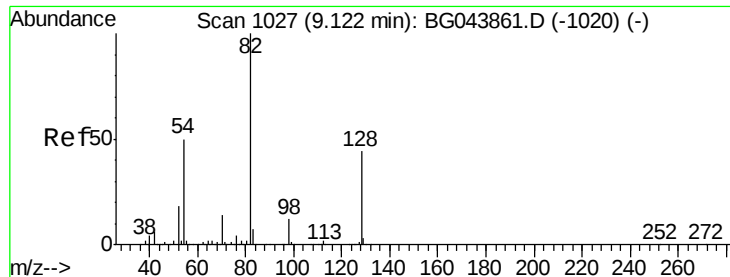
Tgt Ion: 70 Resp: 51351
Ion Ratio Lower Upper
70 100
42 45.9 47.0 70.4#
101 0.0 7.2 10.8#
130 2.5 15.6 23.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1301
Delta R.T. -0.03 min
Lab File: BG044097.D
Acq: 20 Jan 2020 14:27

Tgt Ion: 136 Resp: 387205
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 7.8 7.0 10.4
68 5.5 4.9 7.3





#23

Nitrobenzene-d5

Concen: 55.468 ng

RT: 9.09 min Scan# 1021

Delta R.T. -0.03 min

Lab File: BG044097.D

Acq: 20 Jan 2020 14:27

Instrument :

BNA_G

ClientSampled :

EP-3

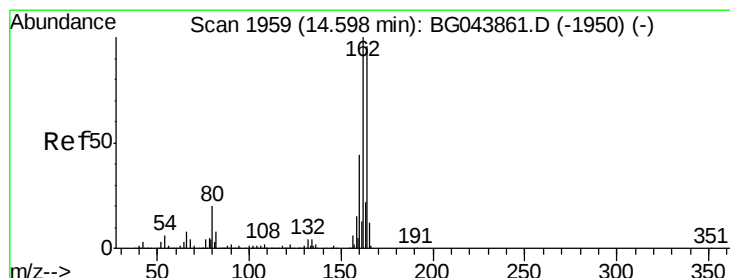
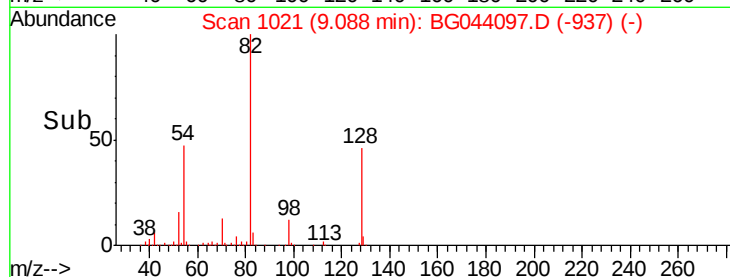
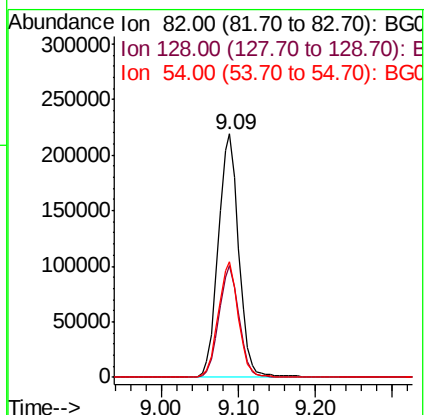
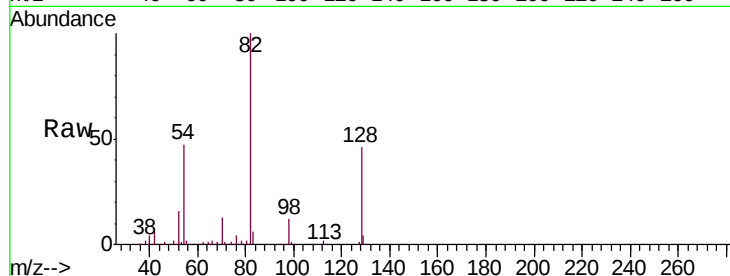
Tgt Ion: 82 Resp: 401479

Ion Ratio Lower Upper

82 100

128 45.7 35.1 52.7

54 47.4 40.1 60.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.57 min Scan# 1954

Delta R.T. -0.03 min

Lab File: BG044097.D

Acq: 20 Jan 2020 14:27

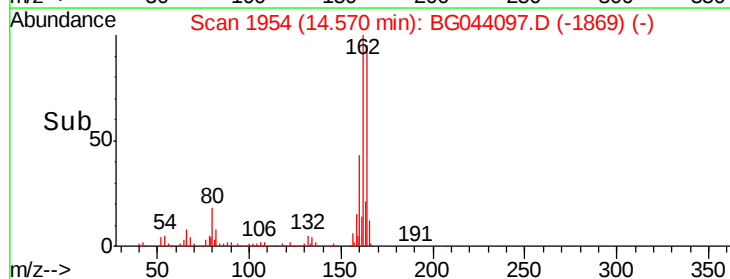
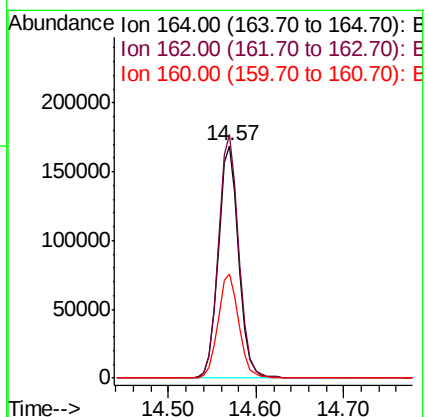
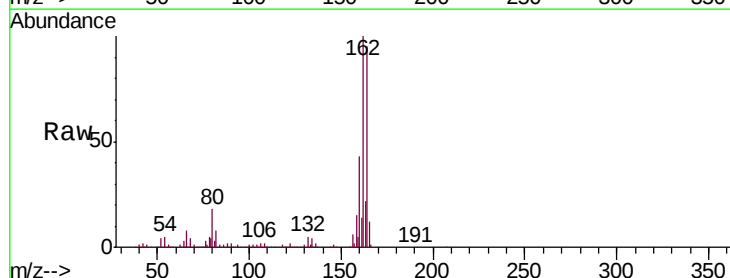
Tgt Ion: 164 Resp: 270587

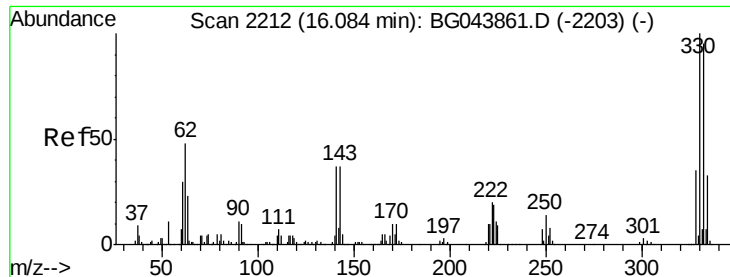
Ion Ratio Lower Upper

164 100

162 104.8 83.0 124.4

160 44.8 36.1 54.1

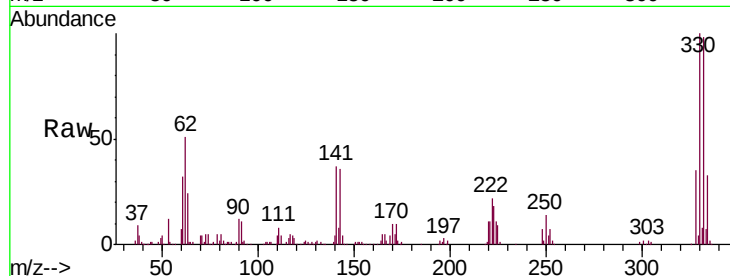




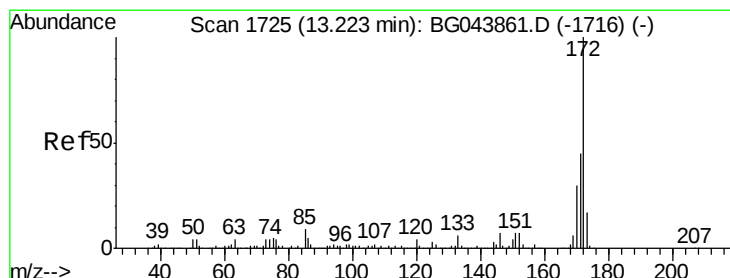
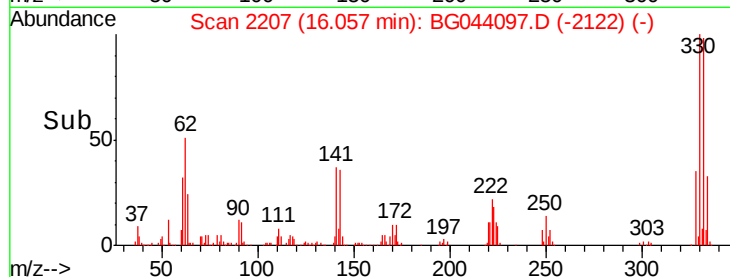
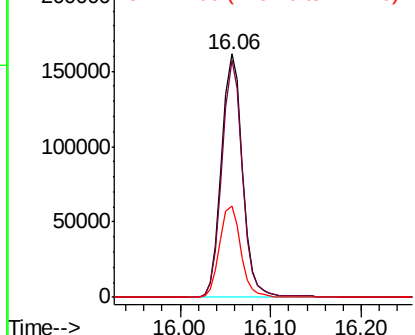
#42
 2,4,6-Tribromophenol
 Concen: 92.188 ng
 RT: 16.06 min Scan# 2207
 Delta R.T. -0.03 min
 Lab File: BG044097.D
 Acq: 20 Jan 2020 14:27

Instrument :
 BNA_G
 ClientSampleId :
 EP-3

Tgt Ion:330 Resp: 261042
 Ion Ratio Lower Upper
 330 100
 332 95.1 77.2 115.8
 141 38.1 33.1 49.7

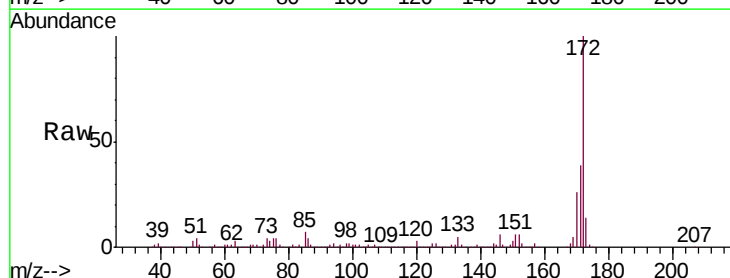


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

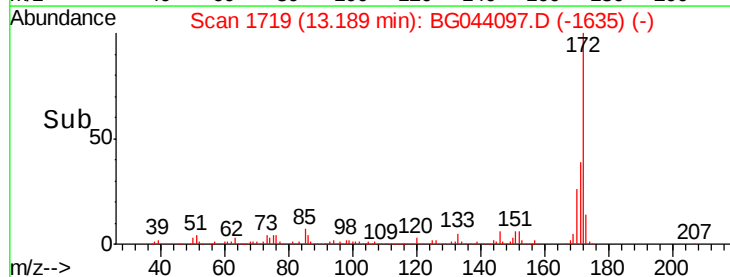
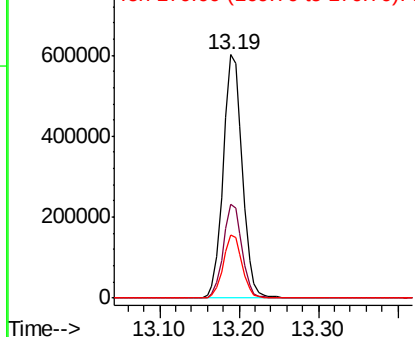


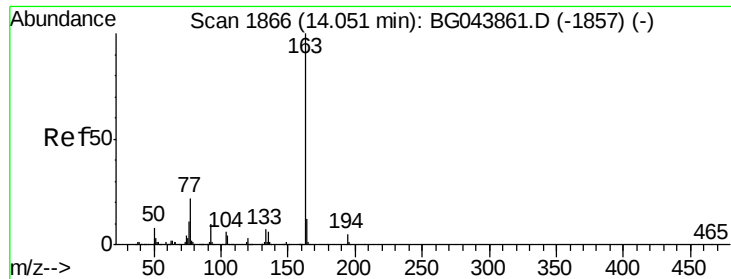
#45
 2-Fluorobiphenyl
 Concen: 67.063 ng
 RT: 13.19 min Scan# 1719
 Delta R.T. -0.03 min
 Lab File: BG044097.D
 Acq: 20 Jan 2020 14:27

Tgt Ion:172 Resp: 1001585
 Ion Ratio Lower Upper
 172 100
 171 38.6 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

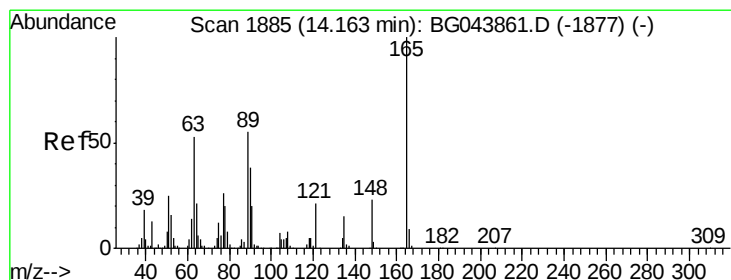
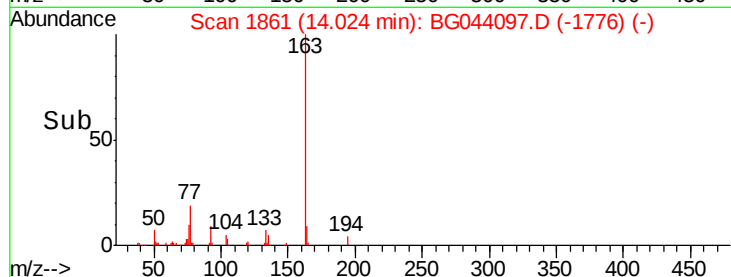
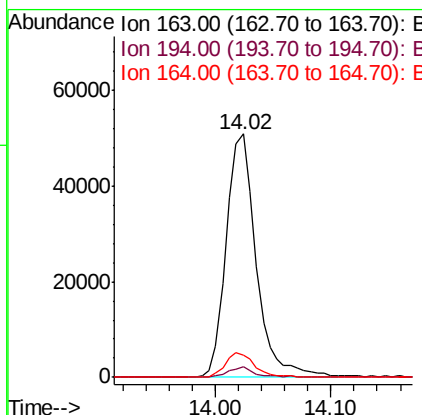
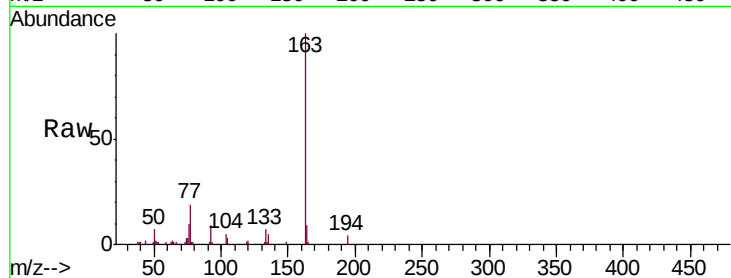




#50
Dimethylphthalate
Concen: 4.781 ng
RT: 14.02 min Scan# 1861
Delta R.T. -0.03 min
Lab File: BG044097.D
Acq: 20 Jan 2020 14:27

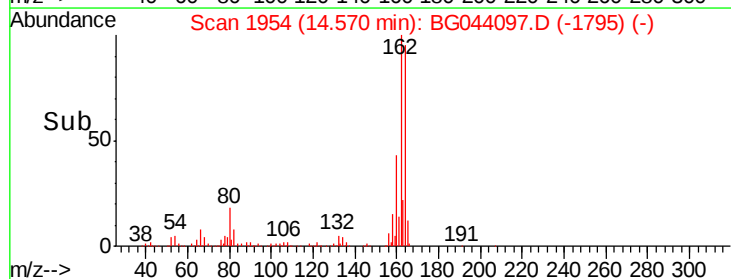
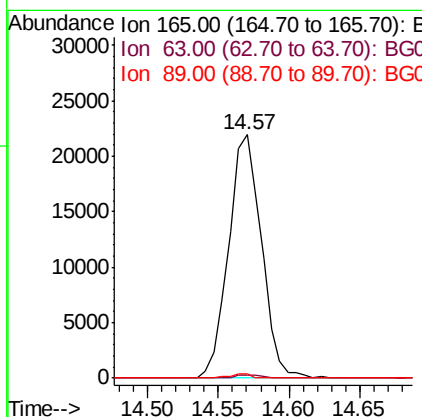
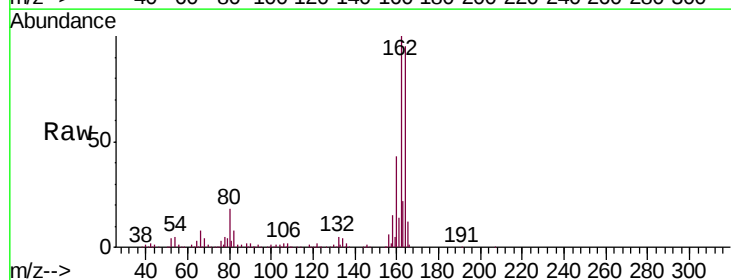
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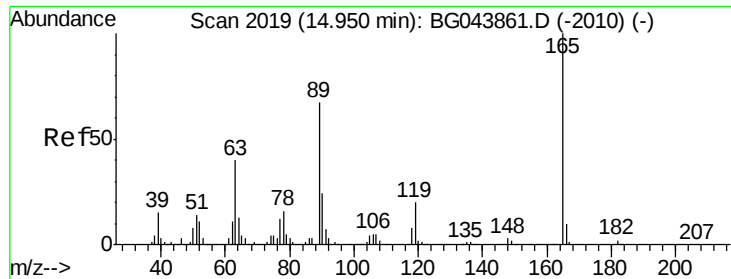
Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.7	5.5
164	9.2	9.3	13.9#



#51
2,6-Dinitrotoluene
Concen: 8.180 ng
RT: 14.57 min Scan# 1954
Delta R.T. 0.41 min
Lab File: BG044097.D
Acq: 20 Jan 2020 14:27

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	43.1	64.7#
89	1.6	43.8	65.6#

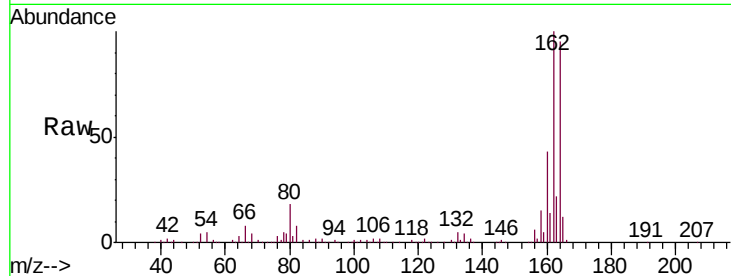




#57
2,4-Dinitrotoluene
Concen: 6.011 ng
RT: 14.57 min Scan# 1954
Delta R.T. -0.38 min
Lab File: BG044097.D
Acq: 20 Jan 2020 14:27

Instrument :
BNA_G
ClientSampleId :
EP-3

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	31.9	47.9#
89	1.6	53.8	80.6#
182	0.0	2.0	3.0#



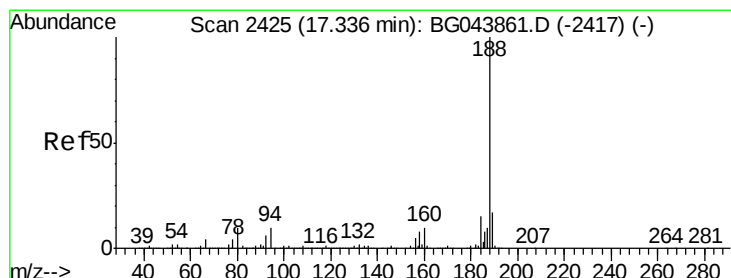
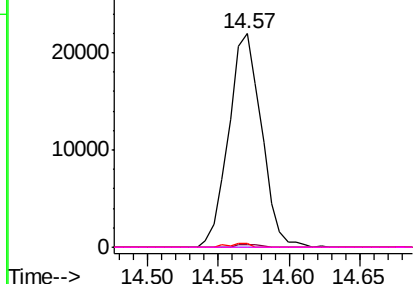
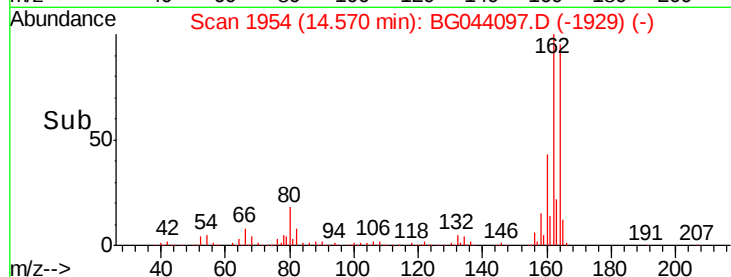
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

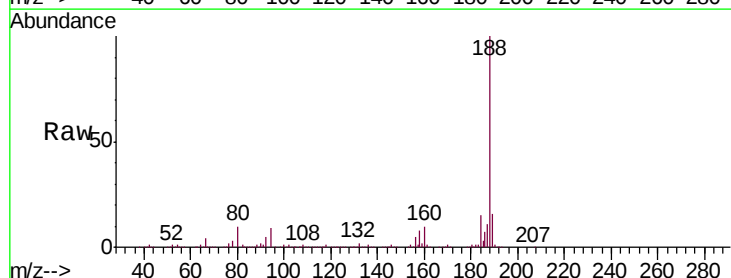
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.31 min Scan# 2421
Delta R.T. -0.02 min
Lab File: BG044097.D
Acq: 20 Jan 2020 14:27

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.9	11.9
80	9.8	8.2	12.4

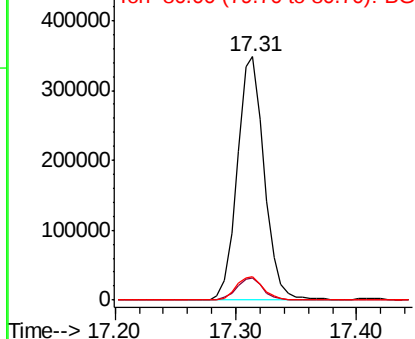
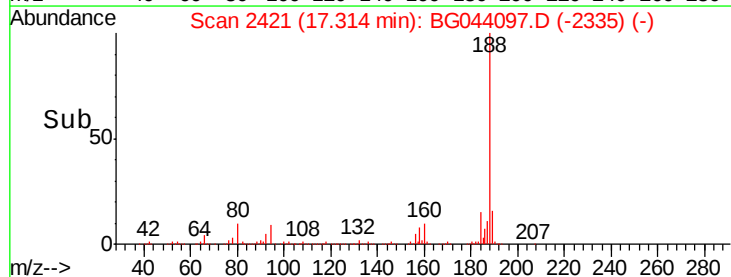


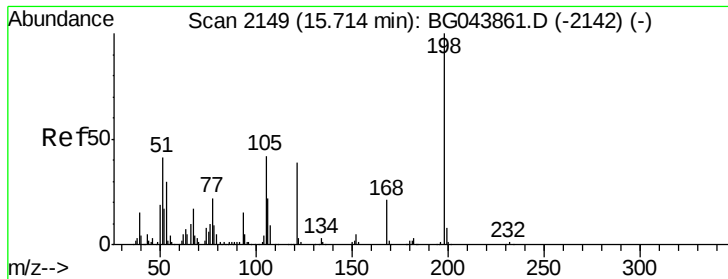
Abundance

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

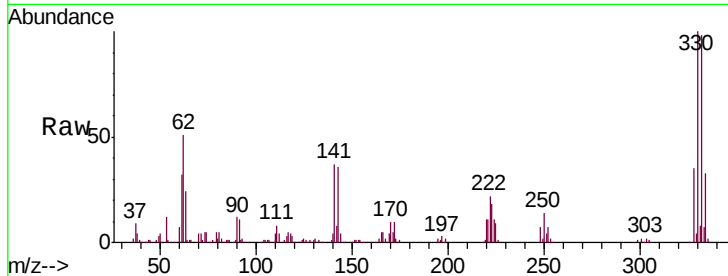




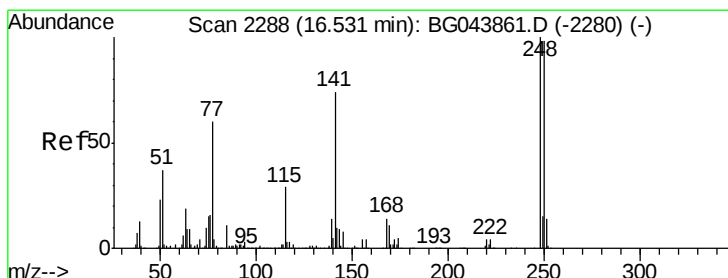
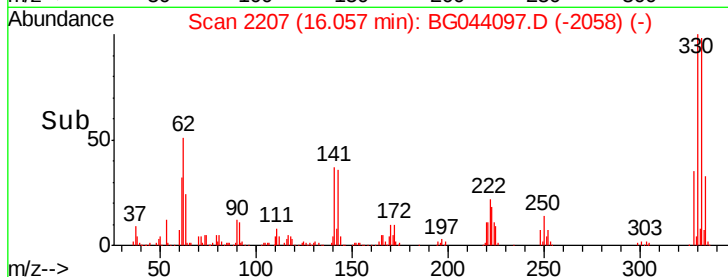
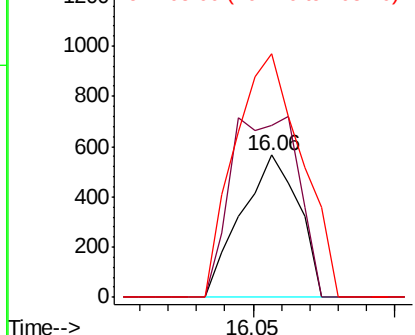
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.649 ng
 RT: 16.06 min Scan# 2207
 Delta R.T. 0.34 min
 Lab File: BG044097.D
 Acq: 20 Jan 2020 14:27

Instrument :
 BNA_G
 ClientSampleId :
 EP-3

Tgt Ion:198 Resp: 796
 Ion Ratio Lower Upper
 198 100
 51 121.1 22.5 62.5#
 105 171.5 22.3 62.3#

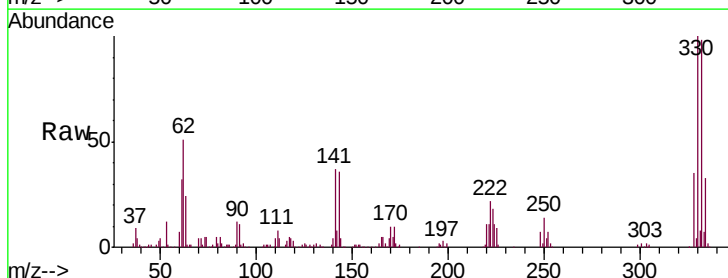


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

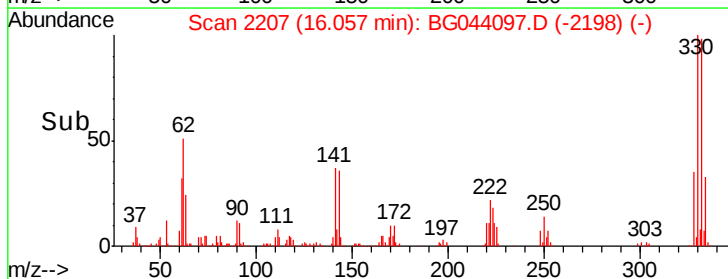
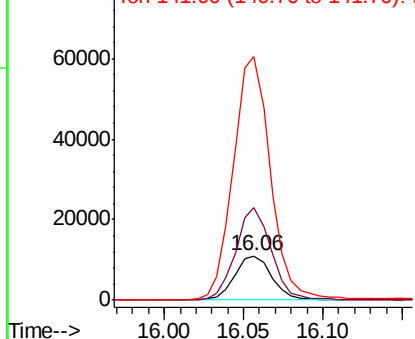


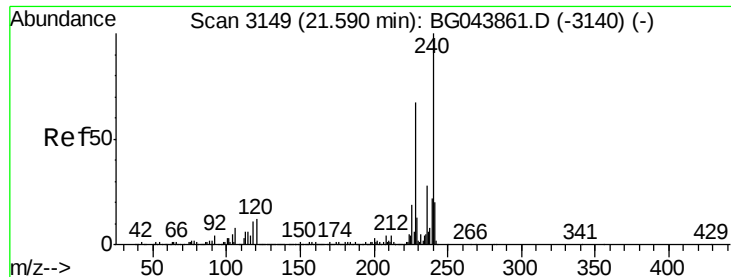
#67
 4-Bromophenyl-phenylether
 Concen: 2.955 ng
 RT: 16.06 min Scan# 2207
 Delta R.T. -0.47 min
 Lab File: BG044097.D
 Acq: 20 Jan 2020 14:27

Tgt Ion:248 Resp: 17987
 Ion Ratio Lower Upper
 248 100
 250 209.6 78.2 117.2#
 141 547.8 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: 20.000 ng

RT: 21.56 min Scan# 3144

Delta R.T. -0.03 min

Lab File: BG044097.D

Acq: 20 Jan 2020 14:27

Instrument :

BNA_G

ClientSampleId :

EP-3

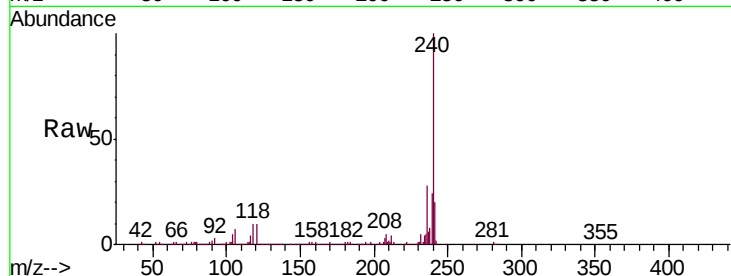
Tgt Ion:240 Resp: 458638

Ion Ratio Lower Upper

240 100

120 10.1 9.6 14.4

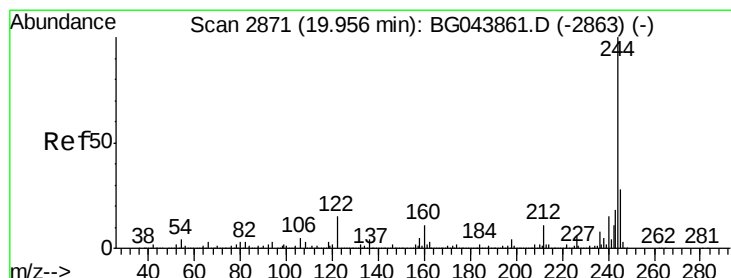
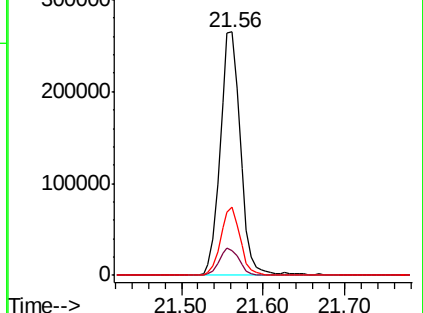
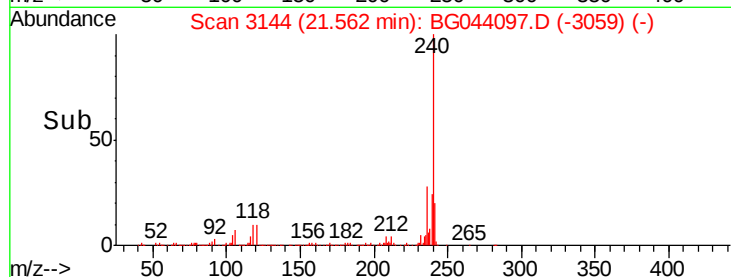
236 28.0 22.2 33.2



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



#79

Terphenyl-d14

Concen: 68.339 ng

RT: 19.93 min Scan# 2866

Delta R.T. -0.03 min

Lab File: BG044097.D

Acq: 20 Jan 2020 14:27

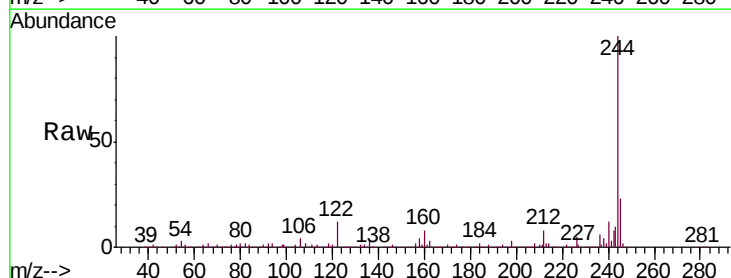
Tgt Ion:244 Resp: 1373547

Ion Ratio Lower Upper

244 100

212 8.5 8.6 13.0#

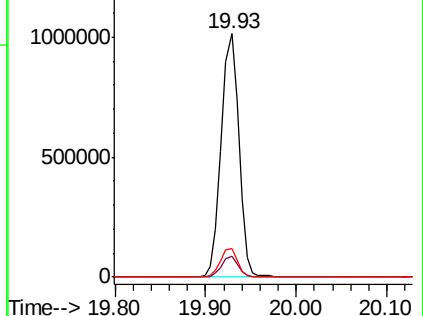
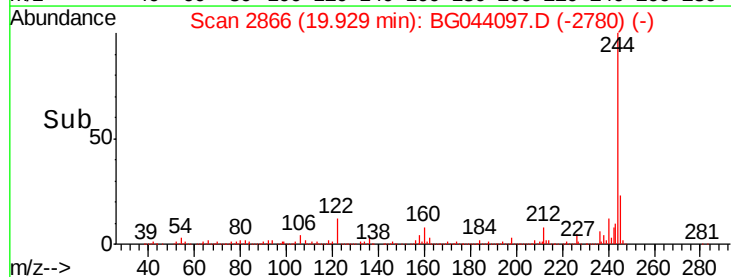
122 11.8 11.9 17.9#

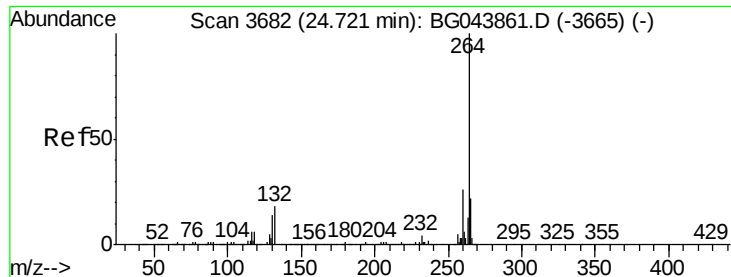


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.67 min Scan# 3673
Delta R.T. -0.05 min
Lab File: BG044097.D
Acq: 20 Jan 2020 14:27

Instrument :
BNA_G
ClientSampleId :
EP-3

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.3	20.4	30.6
265	21.9	17.4	26.2

