

Data File : BG044149.D
Acq On : 22 Jan 2020 1:11
Operator : JU
Sample : L1202-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E2-E3-(SETTLED)

Quant Time: Jan 22 06:51:28 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

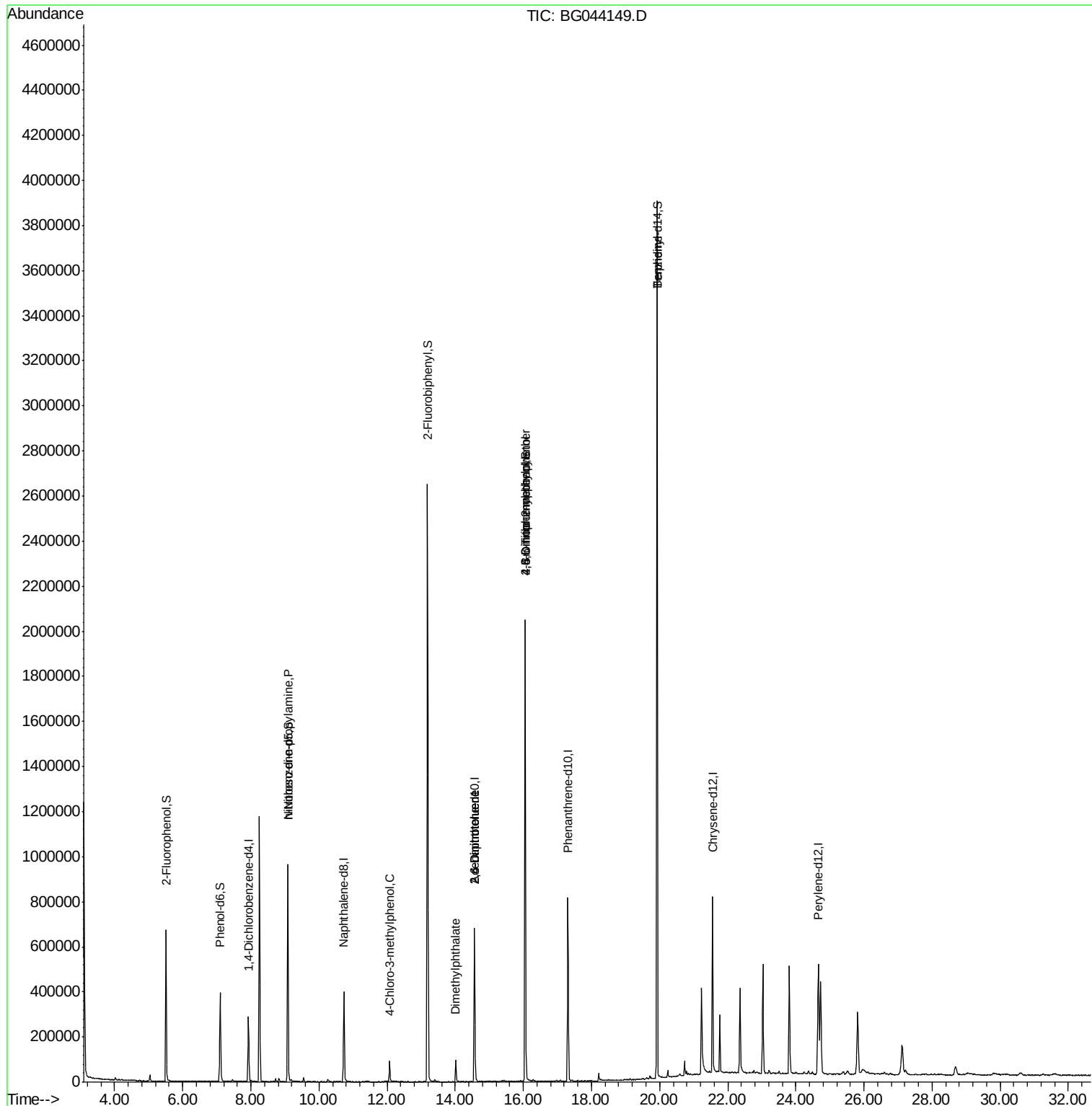
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	84911	20.00	ng	-0.04
21) Naphthalene-d8	10.73	136	372856	20.00	ng	-0.04
39) Acenaphthene-d10	14.56	164	254559	20.00	ng	-0.04
64) Phenanthrene-d10	17.31	188	514710	20.00	ng	-0.03
76) Chrysene-d12	21.55	240	441836	20.00	ng	-0.04
87) Perylene-d12	24.66	264	489233	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	326718	70.65	ng	-0.03
7) Phenol-d6	7.10	99	268061	41.47	ng	-0.03
23) Nitrobenzene-d5	9.09	82	630384	90.44	ng	-0.04
42) 2,4,6-Tribromophenol	16.06	330	392612	147.38	ng	-0.03
45) 2-Fluorobiphenyl	13.19	172	1423610	101.32	ng	-0.04
79) Terphenyl-d14	19.93	244	1804929	104.33	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.09	70	83663	17.379	ng	# 77
36) 4-Chloro-3-methylphenol	12.07	107	22907	3.669	ng	# 18
50) Dimethylphthalate	14.02	163	75939	4.201	ng	# 97
51) 2,6-Dinitrotoluene	14.56	165	33206	8.128	ng	# 26
57) 2,4-Dinitrotoluene	14.56	165	33203	5.973	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.06	198	1331	4.846	ng	# 1
67) 4-Bromophenyl-phenylether	16.06	248	27837	4.809	ng	# 1
77) Benzidine	19.93	184	31443	2.831	ng	# 84

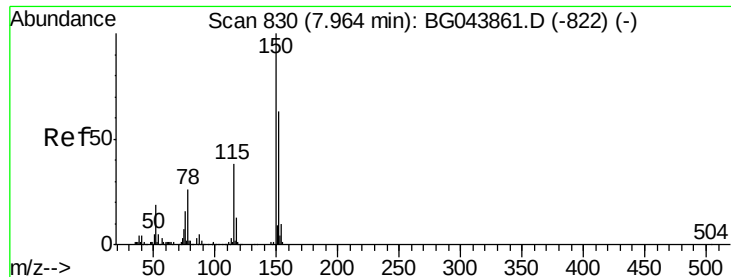
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : BG044149.D
Acq On : 22 Jan 2020 1:11
Operator : JU
Sample : L1202-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E2-E3-(SETTLED)

Quant Time: Jan 22 06:51:28 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



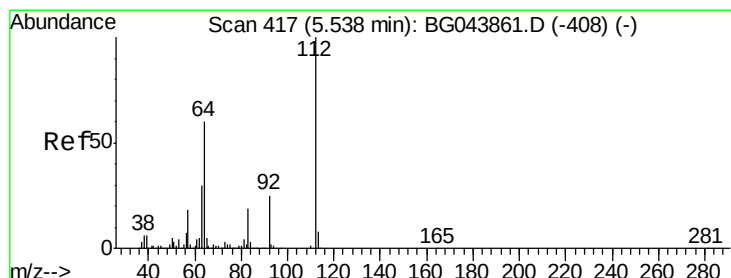
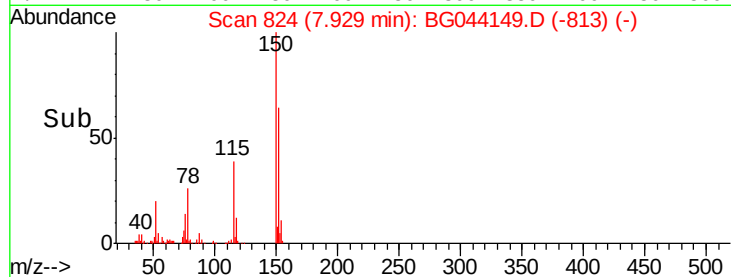
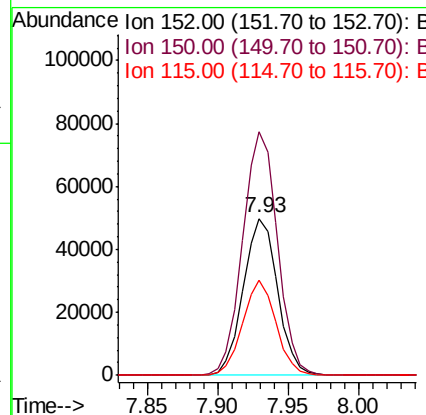
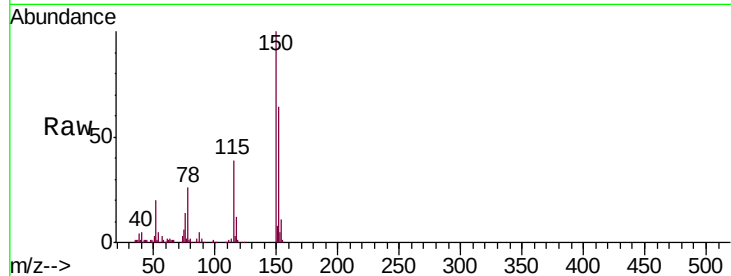


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.04 min
Lab File: BG044149.D
Acq: 22 Jan 2020 1:11

Instrument :
BNA_G
ClientSampleId :
E2-E3-(SETTLED)

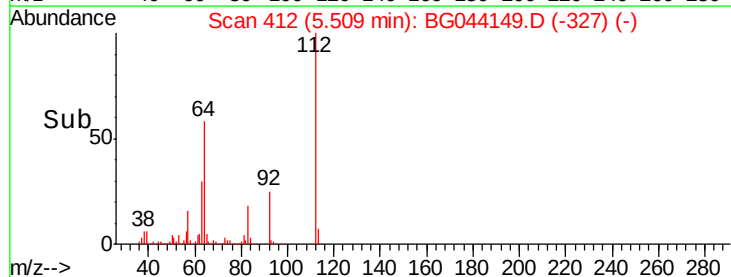
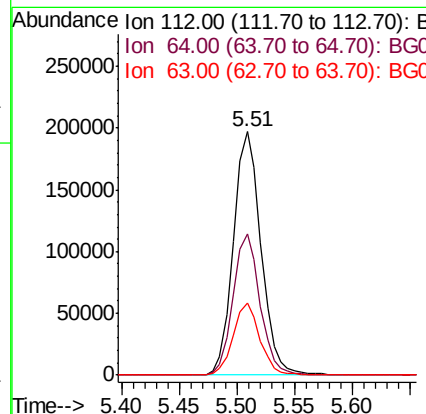
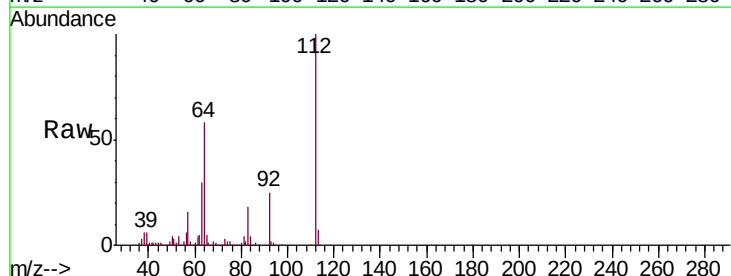
Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.4	127.0	190.4
115	60.8	47.8	71.8

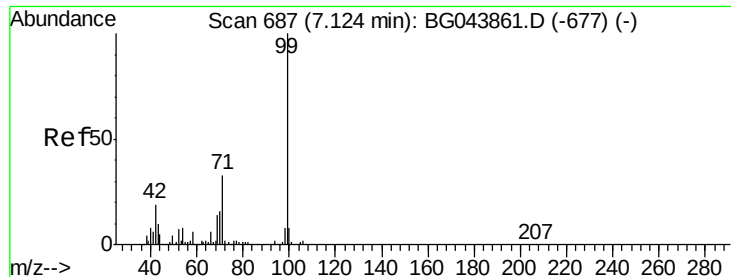


#5

2-Fluorophenol
Concen: 70.650 ng
RT: 5.51 min Scan# 412
Delta R.T. -0.03 min
Lab File: BG044149.D
Acq: 22 Jan 2020 1:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	47.8	71.6
63	29.5	24.3	36.5





#7

Phenol-d6

Concen: 41.469 ng

RT: 7.10 min Scan# 682

Delta R.T. -0.03 min

Lab File: BG044149.D

Acq: 22 Jan 2020 1:11

Instrument :

BNA_G

ClientSampleId :

E2-E3-(SETTLED)

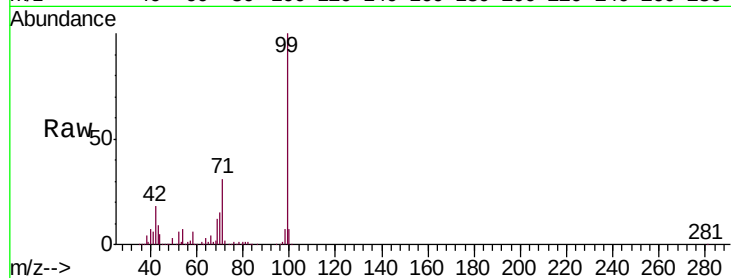
Tgt Ion: 99 Resp: 268061

Ion Ratio Lower Upper

99 100

42 17.9 14.9 22.3

71 31.3 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

200000

150000

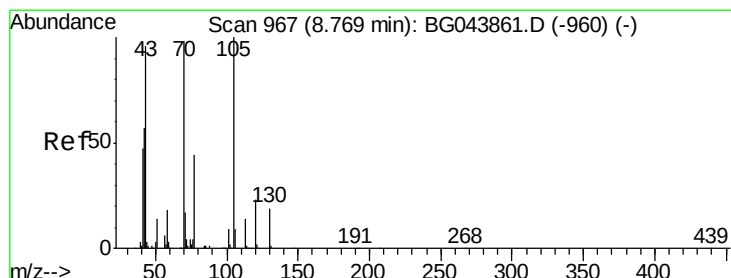
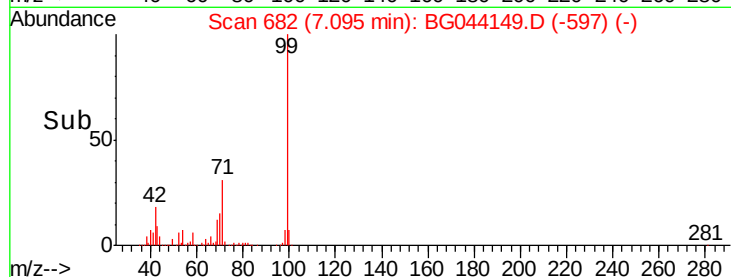
100000

50000

0

7.10

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 17.379 ng

RT: 9.09 min Scan# 1021

Delta R.T. 0.32 min

Lab File: BG044149.D

Acq: 22 Jan 2020 1:11

Tgt Ion: 70 Resp: 83663

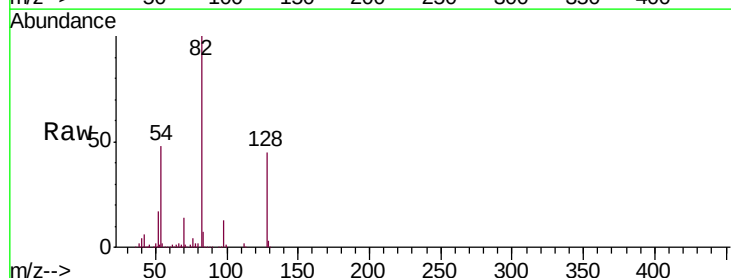
Ion Ratio Lower Upper

70 100

42 45.3 47.0 70.4#

101 0.0 7.2 10.8#

130 2.3 15.6 23.4#



Abundance

Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

60000

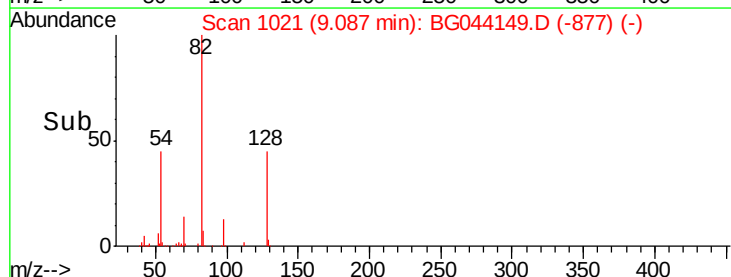
40000

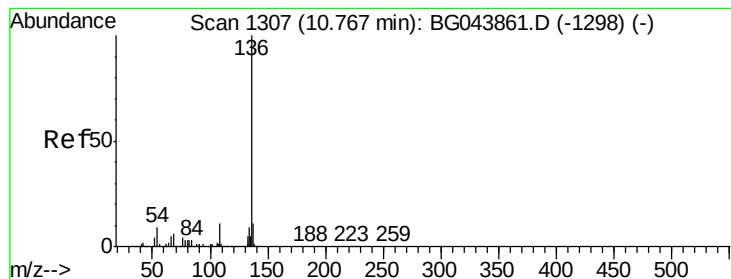
20000

0

9.09

Time-->





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.73 min Scan# 1301

Delta R.T. -0.04 min

Lab File: BG044149.D

Acq: 22 Jan 2020 1:11

Instrument :

BNA_G

ClientSampleId :

E2-E3-(SETTLED)

Tgt Ion: 136 Resp: 372856

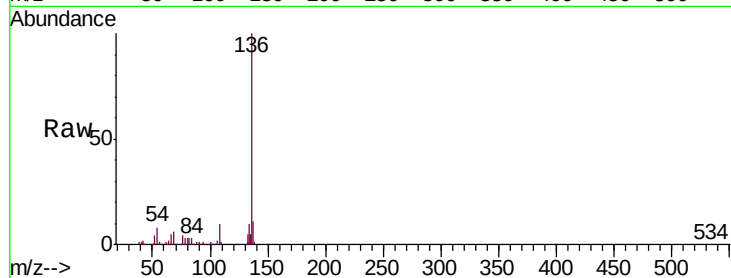
Ion Ratio Lower Upper

136 100

137 11.3 8.8 13.2

54 7.6 7.0 10.4

68 5.8 4.9 7.3

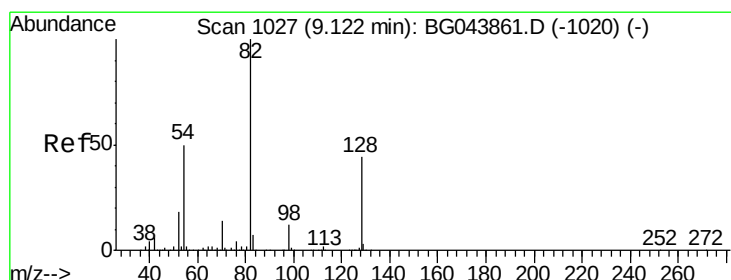
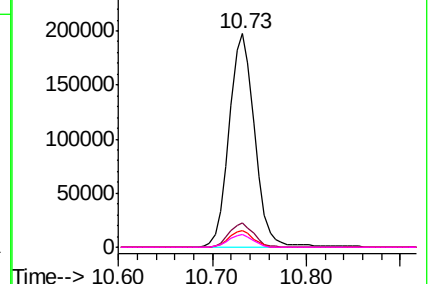
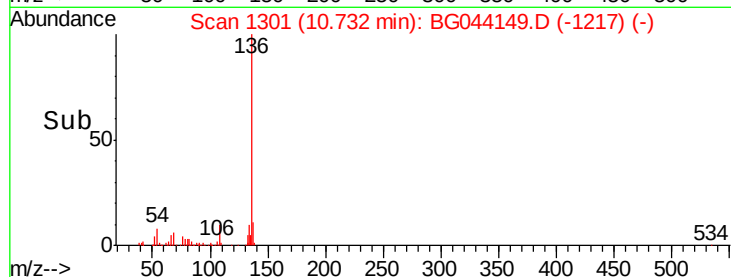


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 90.445 ng

RT: 9.09 min Scan# 1021

Delta R.T. -0.04 min

Lab File: BG044149.D

Acq: 22 Jan 2020 1:11

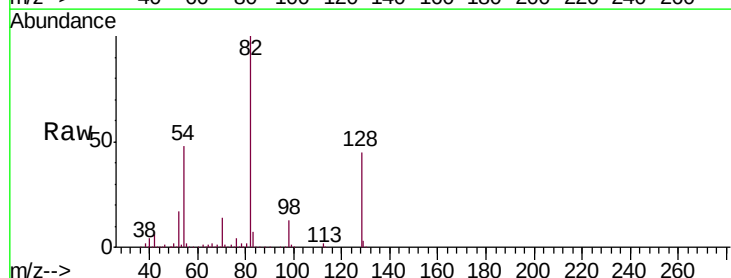
Tgt Ion: 82 Resp: 630384

Ion Ratio Lower Upper

82 100

128 45.1 35.1 52.7

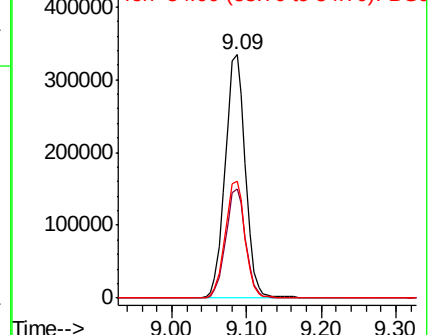
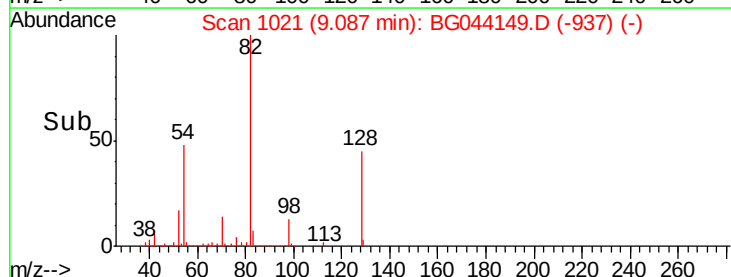
54 48.1 40.1 60.1

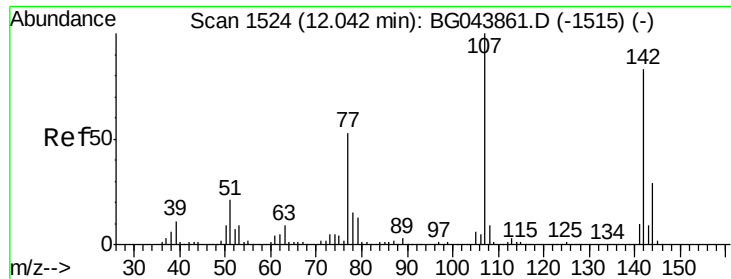


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

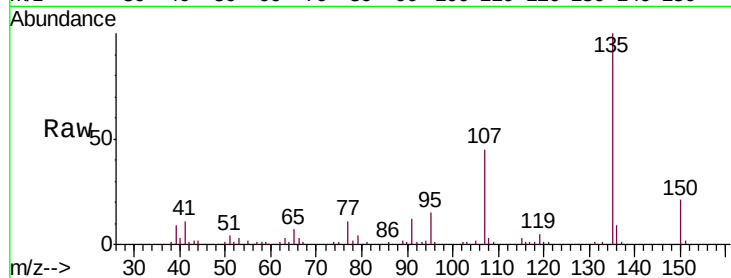




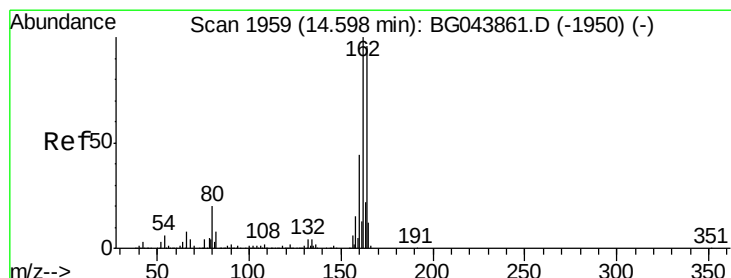
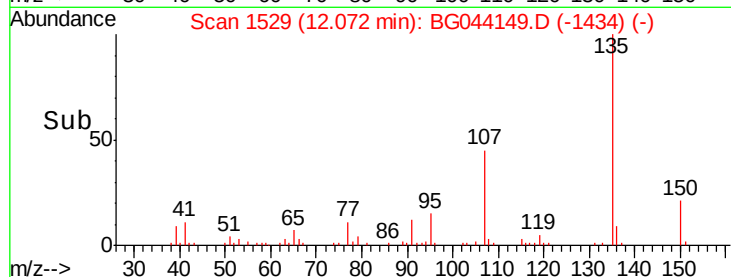
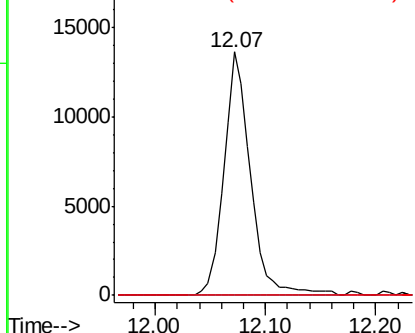
#36
4-Chloro-3-methylphenol
Concen: 3.669 ng
RT: 12.07 min Scan# 1529
Delta R.T. 0.03 min
Lab File: BG044149.D
Acq: 22 Jan 2020 1:11

Instrument :
BNA_G
ClientSampleId :
E2-E3-(SETTLED)

Tgt Ion	Ratio	Lower	Upper
107	100		
144	0.0	23.4	35.2#
142	0.0	66.3	99.5#

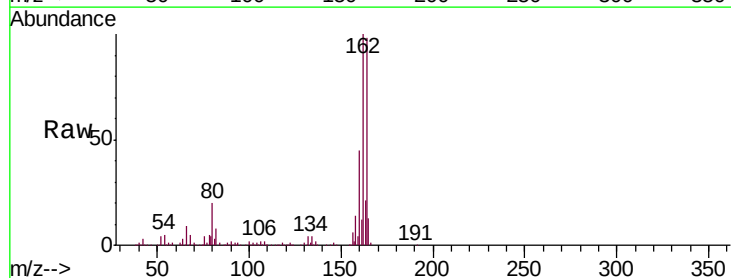


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E

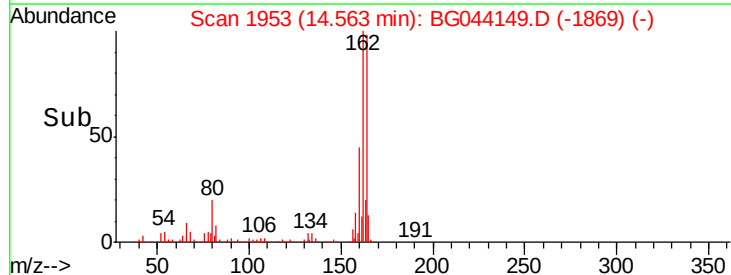
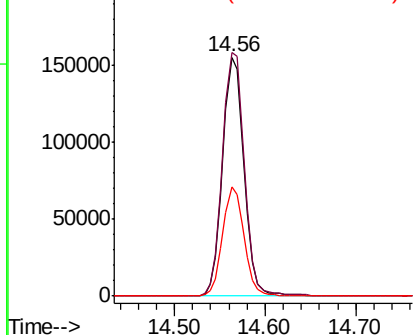


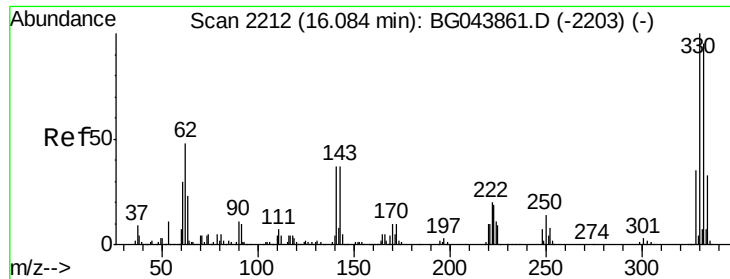
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.56 min Scan# 1953
Delta R.T. -0.04 min
Lab File: BG044149.D
Acq: 22 Jan 2020 1:11

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	83.0	124.4
160	45.5	36.1	54.1



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

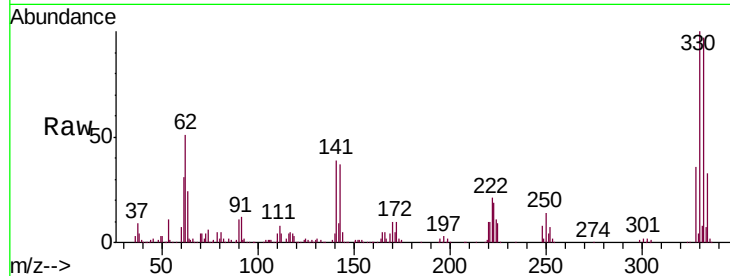




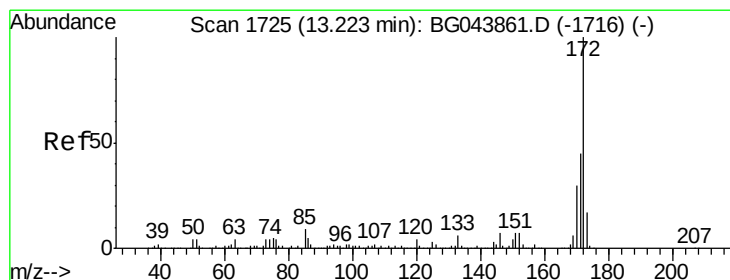
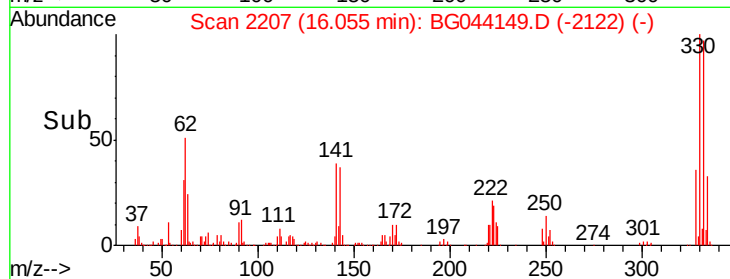
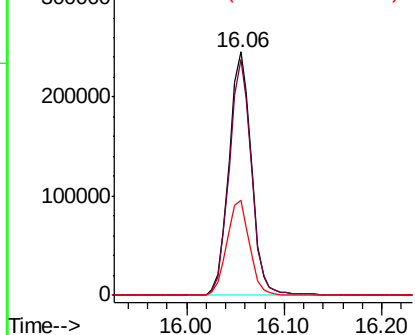
#42
 2,4,6-Tribromophenol
 Concen: 147.382 ng
 RT: 16.06 min Scan# 2207
 Delta R.T. -0.03 min
 Lab File: BG044149.D
 Acq: 22 Jan 2020 1:11

Instrument :
 BNA_G
 ClientSampleId :
 E2-E3-(SETTLED)

Tgt Ion:330 Resp: 392612
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.2 115.8
 141 39.7 33.1 49.7

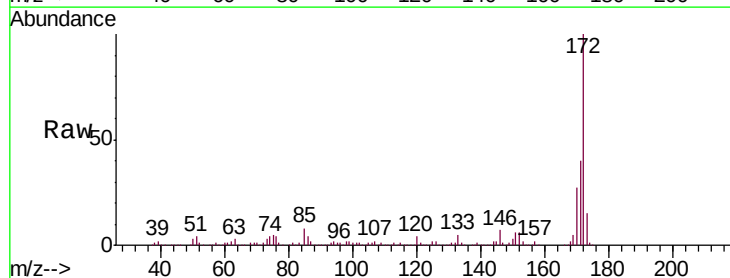


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

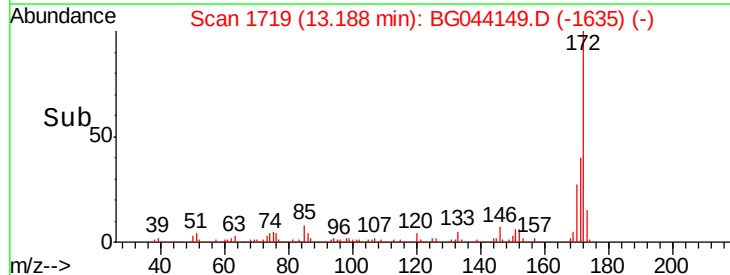
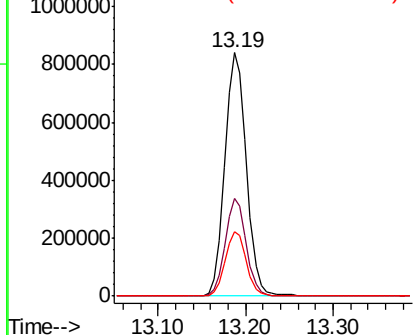


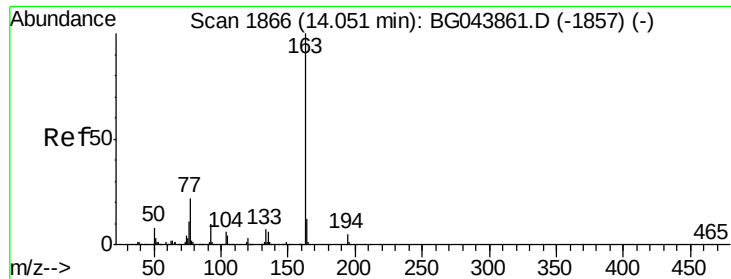
#45
 2-Fluorobiphenyl
 Concen: 101.322 ng
 RT: 13.19 min Scan# 1719
 Delta R.T. -0.04 min
 Lab File: BG044149.D
 Acq: 22 Jan 2020 1:11

Tgt Ion:172 Resp: 1423610
 Ion Ratio Lower Upper
 172 100
 171 39.9 35.8 53.8
 170 26.6 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

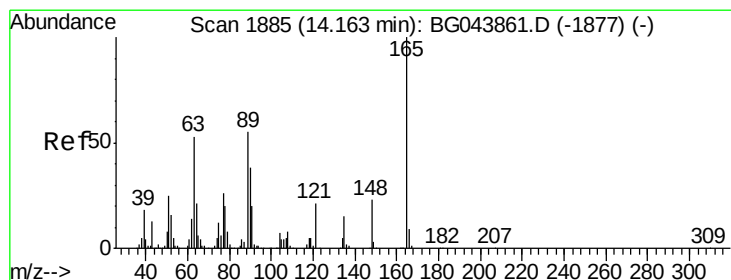
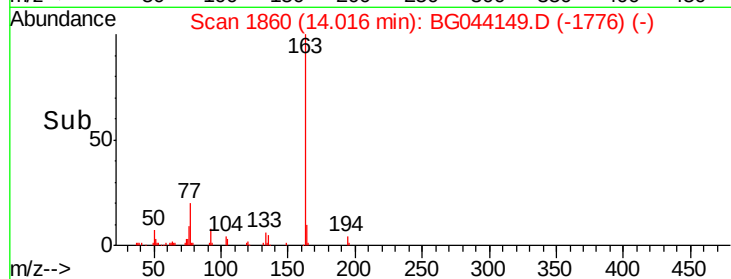
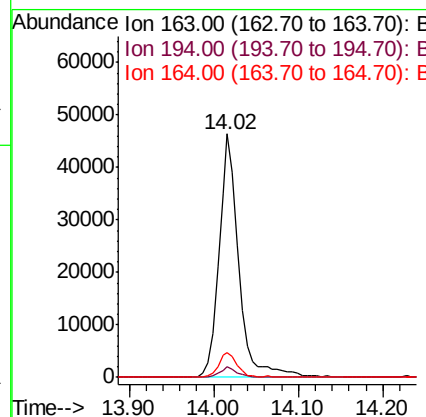
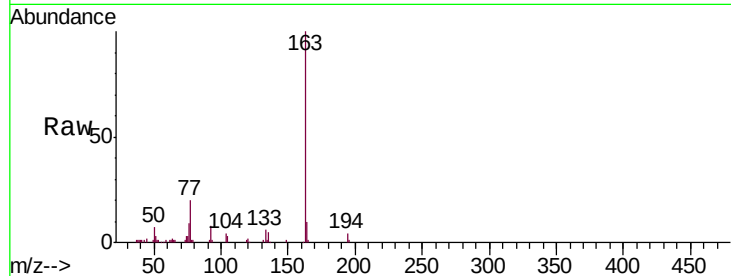




#50
 Dimethylphthalate
 Concen: 4.201 ng
 RT: 14.02 min Scan# 1860
 Delta R.T. -0.04 min
 Lab File: BG044149.D
 Acq: 22 Jan 2020 1:11

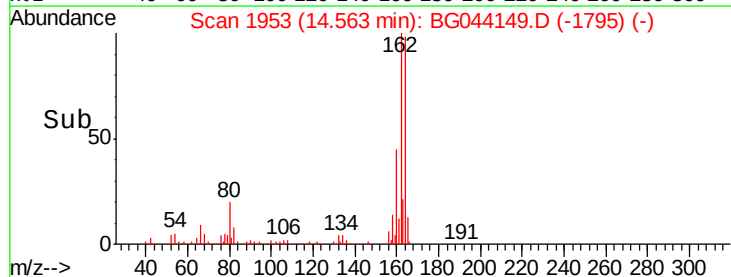
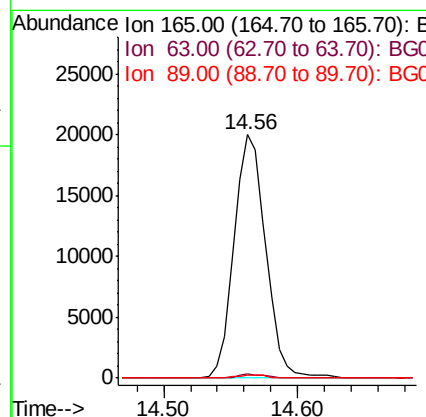
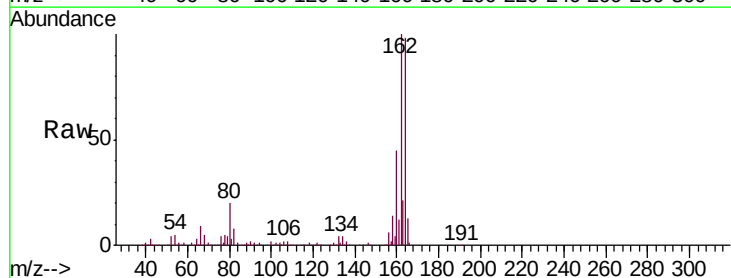
Instrument :
 BNA_G
 ClientSampleId :
 E2-E3-(SETTLED)

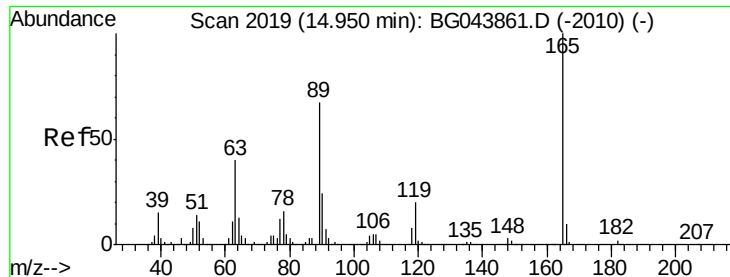
Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.7	5.5
164	10.0	9.3	13.9



#51
 2,6-Dinitrotoluene
 Concen: 8.128 ng
 RT: 14.56 min Scan# 1953
 Delta R.T. 0.40 min
 Lab File: BG044149.D
 Acq: 22 Jan 2020 1:11

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	43.1	64.7#
89	1.1	43.8	65.6#

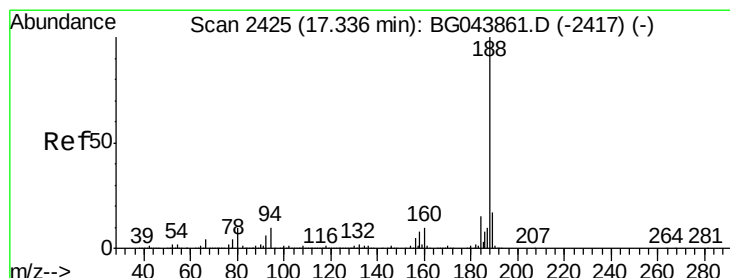
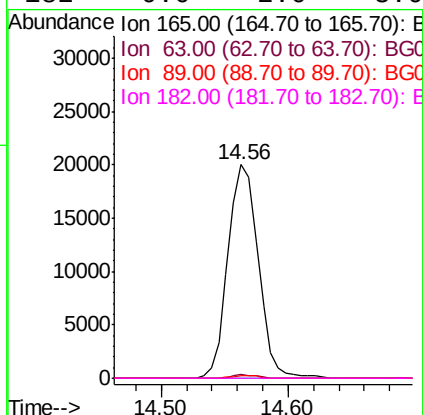
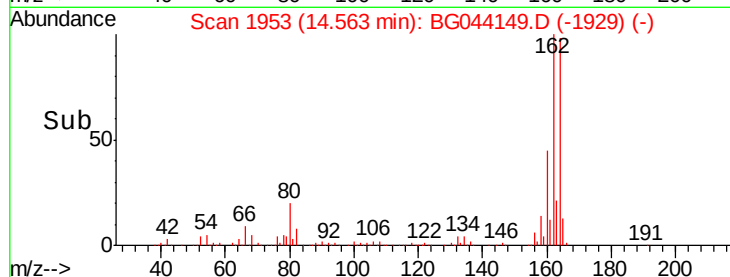
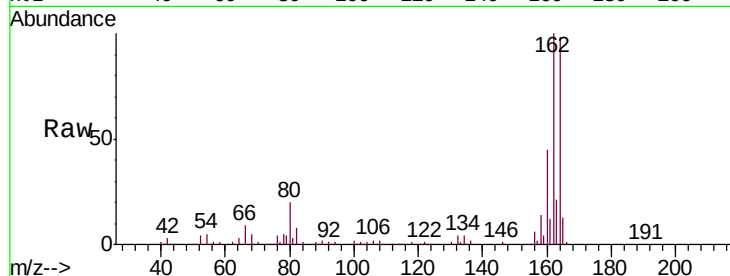




#57
 2,4-Dinitrotoluene
 Concen: 5.973 ng
 RT: 14.56 min Scan# 1953
 Delta R.T. -0.39 min
 Lab File: BG044149.D
 Acq: 22 Jan 2020 1:11

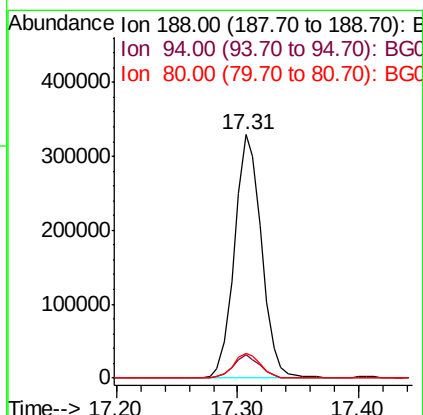
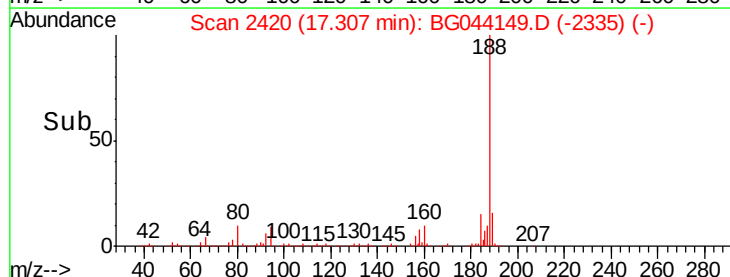
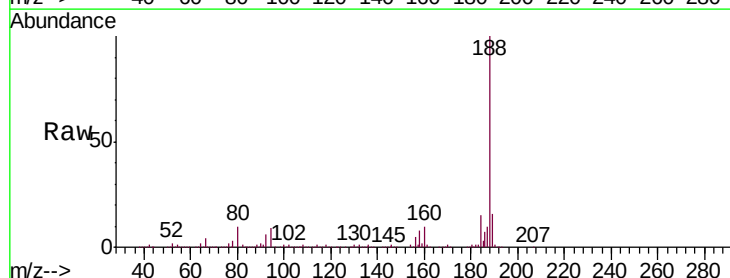
Instrument :
 BNA_G
 ClientSampleId :
 E2-E3-(SETTLED)

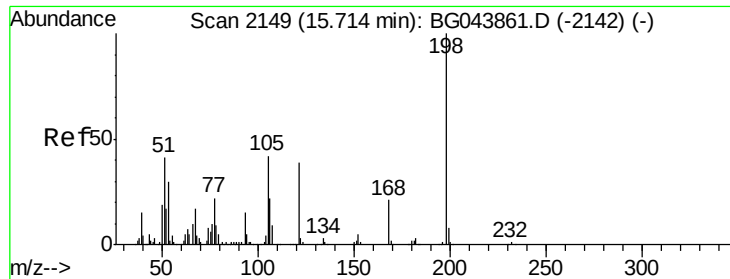
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	31.9	47.9#
89	1.1	53.8	80.6#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.31 min Scan# 2420
 Delta R.T. -0.03 min
 Lab File: BG044149.D
 Acq: 22 Jan 2020 1:11

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	7.9	11.9
80	10.3	8.2	12.4

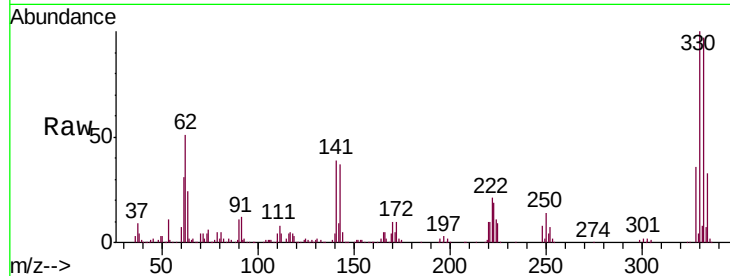




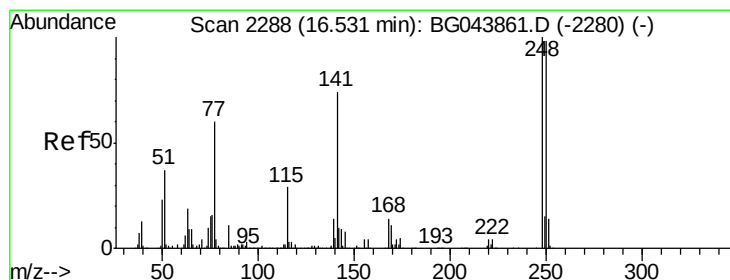
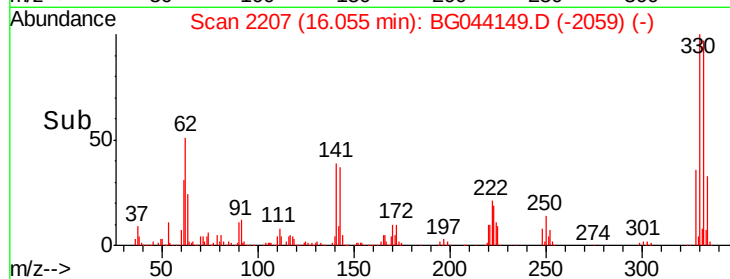
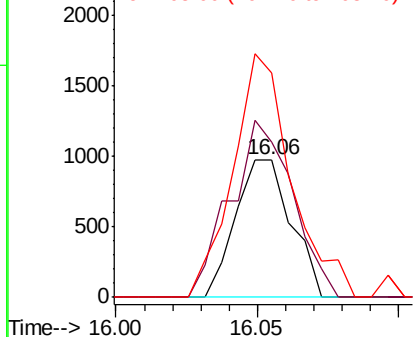
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.846 ng
 RT: 16.06 min Scan# 2207
 Delta R.T. 0.34 min
 Lab File: BG044149.D
 Acq: 22 Jan 2020 1:11

Instrument :
 BNA_G
 ClientSampleId :
 E2-E3-(SETTLED)

Tgt Ion:198 Resp: 1331
 Ion Ratio Lower Upper
 198 100
 51 112.6 22.5 62.5#
 105 162.8 22.3 62.3#

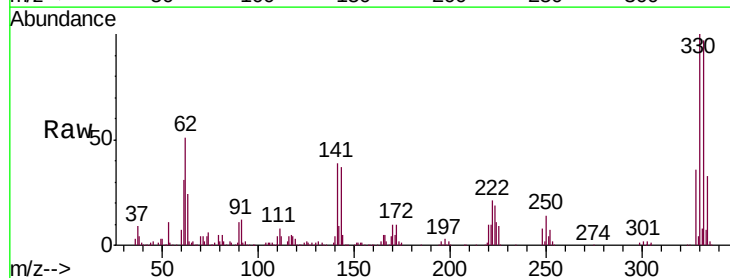


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

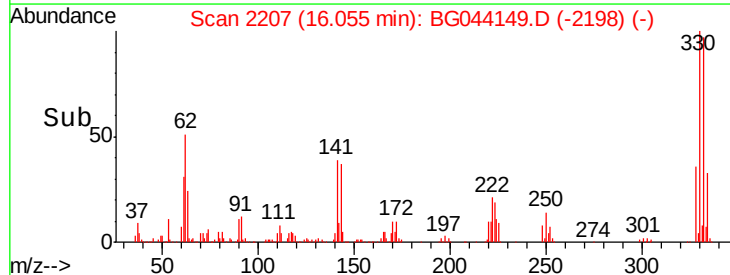
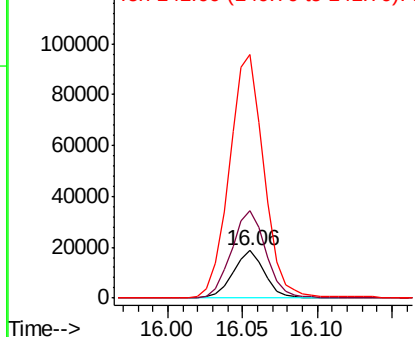


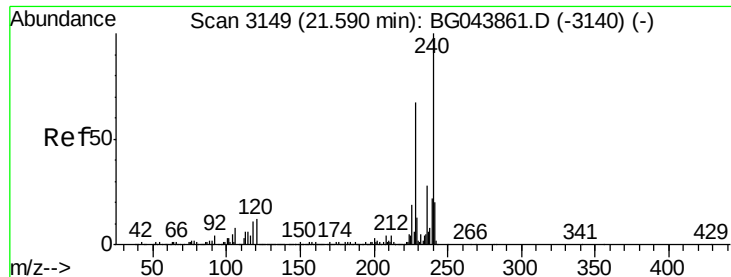
#67
 4-Bromophenyl-phenylether
 Concen: 4.809 ng
 RT: 16.06 min Scan# 2207
 Delta R.T. -0.48 min
 Lab File: BG044149.D
 Acq: 22 Jan 2020 1:11

Tgt Ion:248 Resp: 27837
 Ion Ratio Lower Upper
 248 100
 250 186.0 78.2 117.2#
 141 515.5 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# 3143

Delta R.T. -0.04 min

Lab File: BG044149.D

Acq: 22 Jan 2020 1:11

Instrument :

BNA_G

ClientSampleId :

E2-E3-(SETTLED)

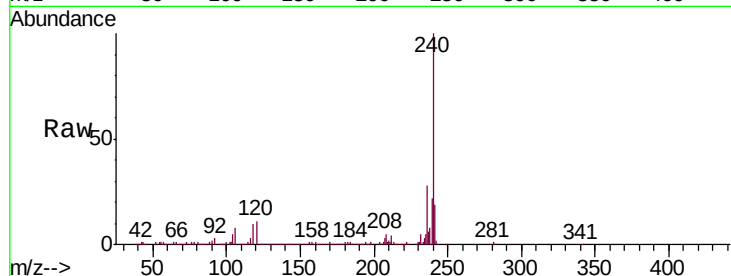
Tgt Ion:240 Resp: 441836

Ion Ratio Lower Upper

240 100

120 10.9 9.6 14.4

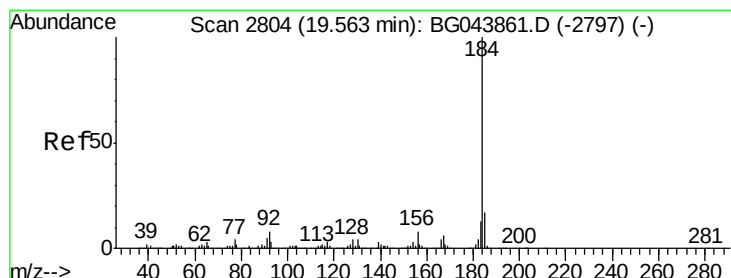
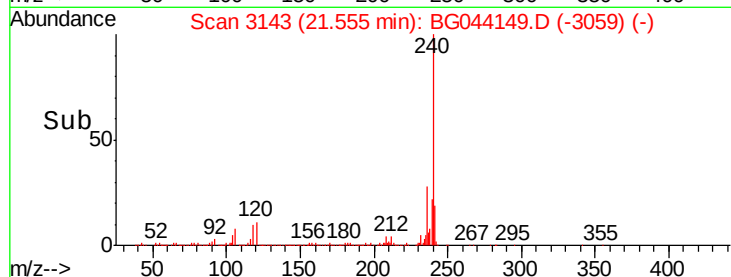
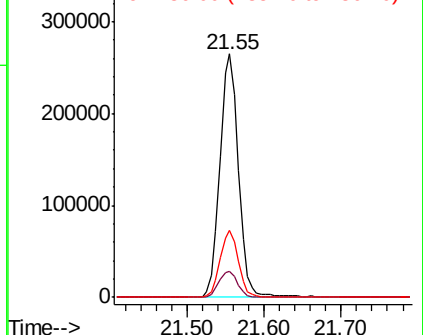
236 27.6 22.2 33.2



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: 2.831 ng

RT: 19.93 min Scan# 2866

Delta R.T. 0.36 min

Lab File: BG044149.D

Acq: 22 Jan 2020 1:11

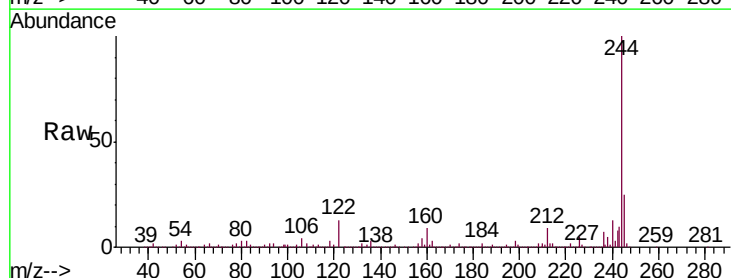
Tgt Ion:184 Resp: 31443

Ion Ratio Lower Upper

184 100

185 24.1 13.4 20.0#

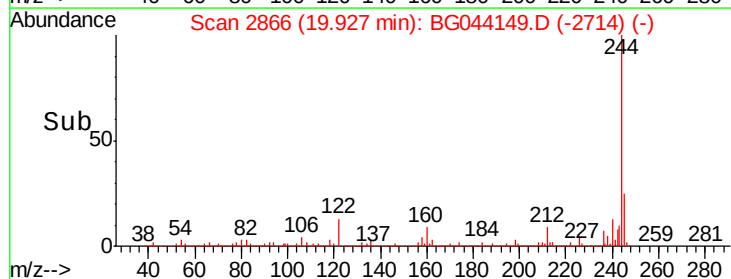
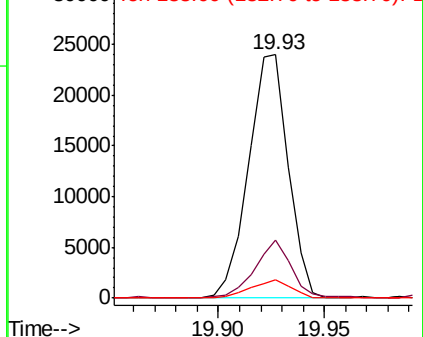
183 7.3 10.6 15.8#

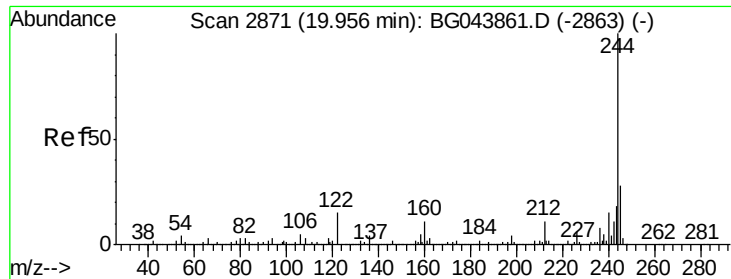


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 104.334 ng

RT: 19.93 min Scan# 2866

Delta R.T. -0.03 min

Lab File: BG044149.D

Acq: 22 Jan 2020 1:11

Instrument :

BNA_G

ClientSampleId :

E2-E3-(SETTLED)

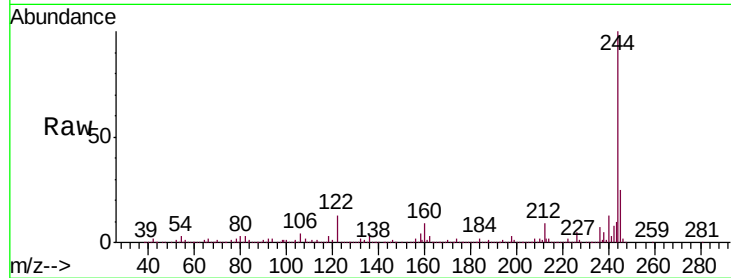
Tgt Ion:244 Resp: 1804929

Ion Ratio Lower Upper

244 100

212 9.3 8.6 13.0

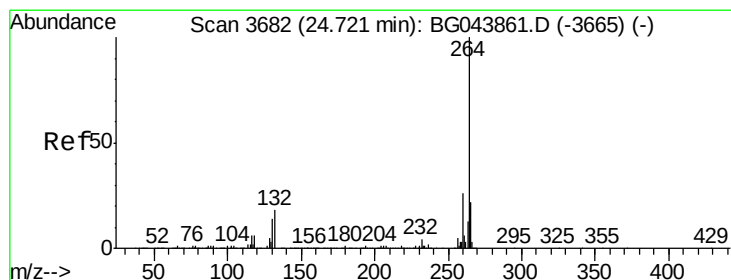
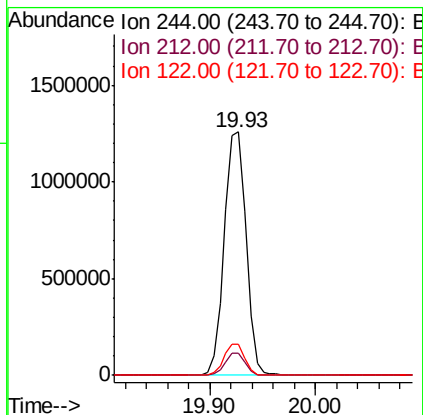
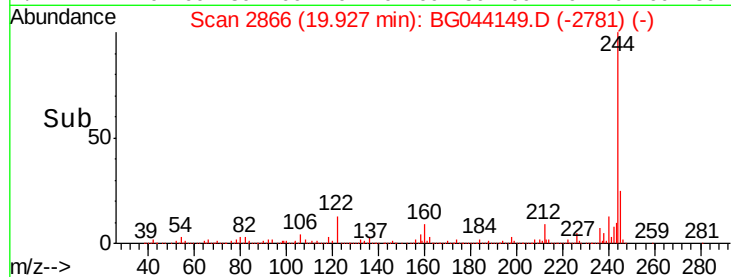
122 12.6 11.9 17.9



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: BG044149.D

Acq: 22 Jan 2020 1:11

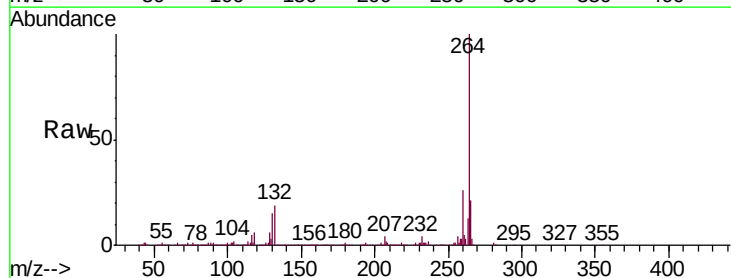
Tgt Ion:264 Resp: 489233

Ion Ratio Lower Upper

264 100

260 25.7 20.4 30.6

265 21.3 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

