

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021819\
 Data File : BG039544.D
 Acq On : 18 Feb 2019 18:06
 Operator : JU/SJ
 Sample : K1514-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FK-BPM-004-CLEARBROOK-PILE-1

Quant Time: Feb 19 00:44:29 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 29 15:41:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	52161	20.00	ng	-0.02
21) Naphthalene-d8	10.99	136	236693	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	167016	20.00	ng	-0.02
64) Phenanthrene-d10	17.54	188	416168	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	427165	20.00	ng	-0.02
87) Perylene-d12	25.20	264	408314	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	406102	133.25	ng	0.00
7) Phenol-d6	7.31	99	616909	137.52	ng	0.00
23) Nitrobenzene-d5	9.35	82	355718	93.89	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	249940	138.97	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	854435	73.39	ng	-0.02
79) Terphenyl-d14	20.13	244	1376305	68.20	ng	-0.02

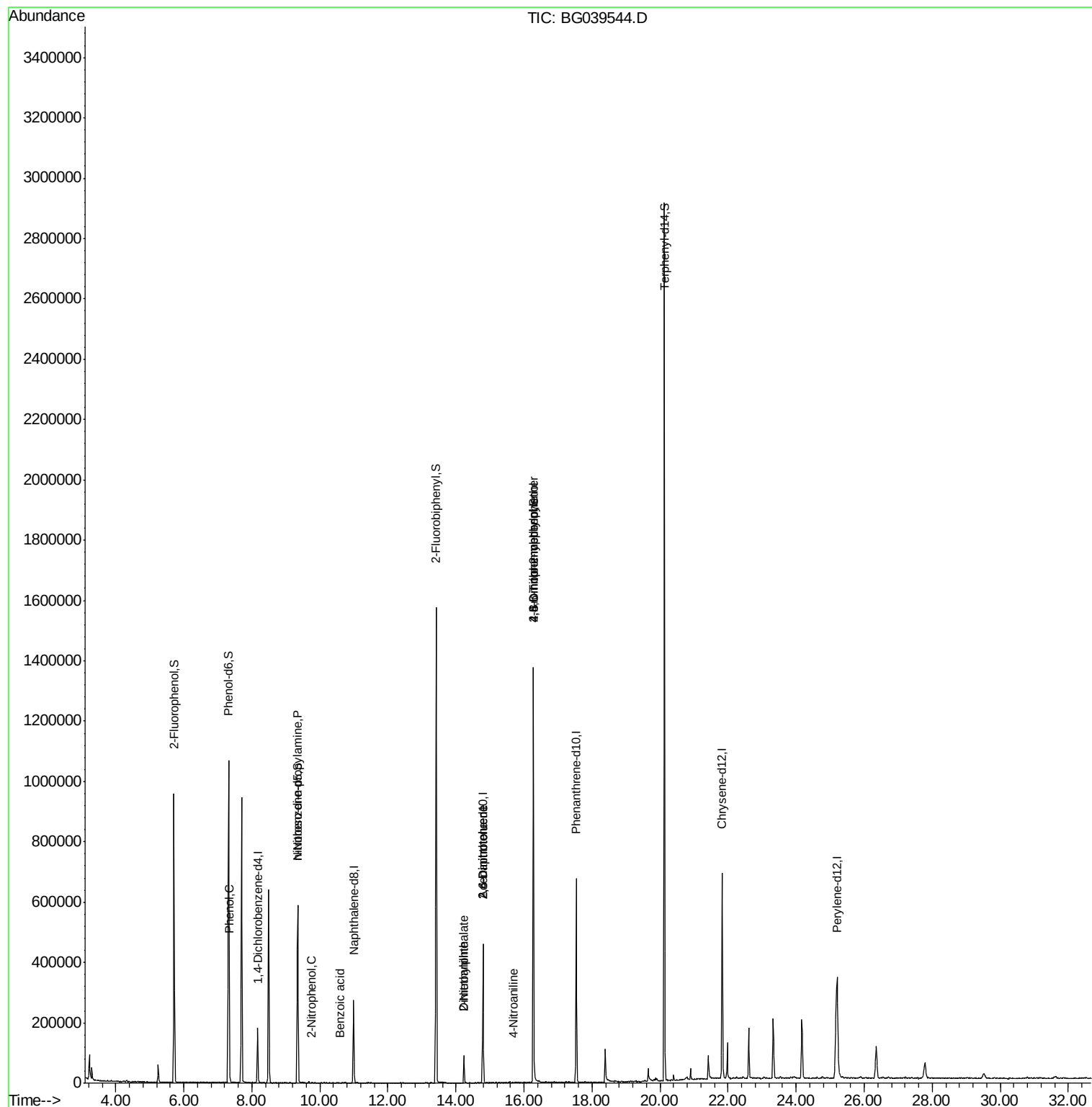
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	1049	Below Cal		# 4
10) Phenol	7.34	94	18157	3.883	ng	# 86
19) n-Nitroso-di-n-propylamine	9.34	70	47569	14.940	ng	# 66
26) 2-Nitrophenol	9.75	139	57	4.047	ng	# 31
32) Benzoic acid	10.60	122	64	9.044	ng	# 1
48) 2-Nitroaniline	14.23	65	495	8.433	ng	# 1
50) Dimethylphthalate	14.23	163	64860	4.808	ng	# 99
51) 2,6-Dinitrotoluene	14.79	165	21557	13.942	ng	# 22
57) 2,4-Dinitrotoluene	14.79	165	21557	13.413	ng	# 17
62) 4-Nitroaniline	15.67	138	56	4.221	ng	# 10
65) 4,6-Dinitro-2-methylphenol	16.28	198	858	4.836	ng	# 8
67) 4-Bromophenyl-phenylether	16.28	248	19447	4.212	ng	# 1

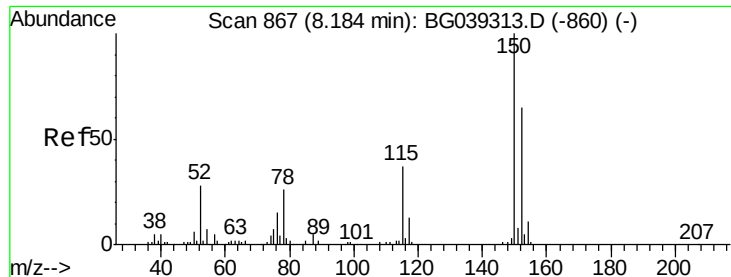
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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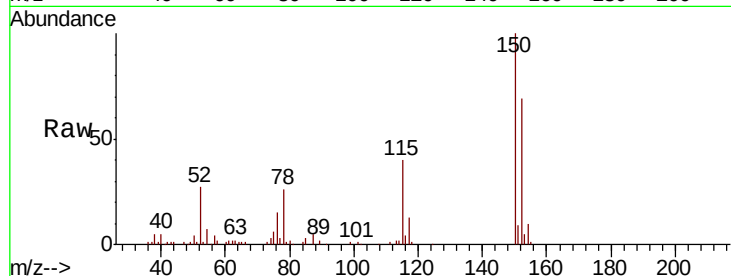


#1

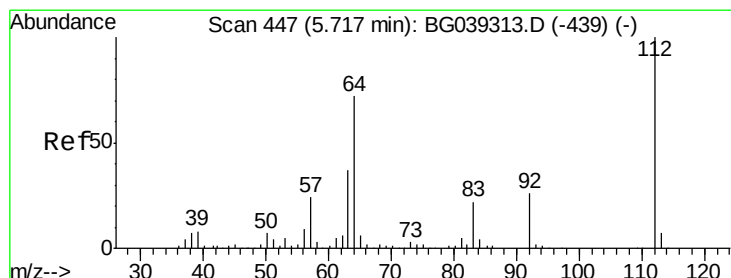
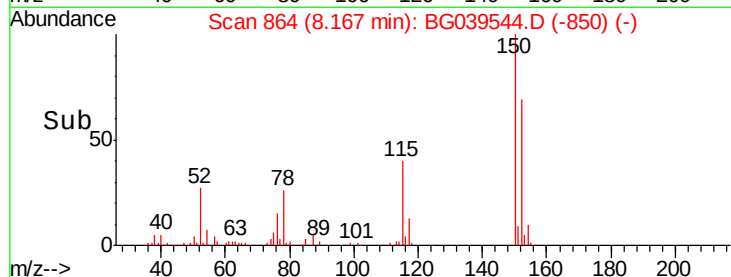
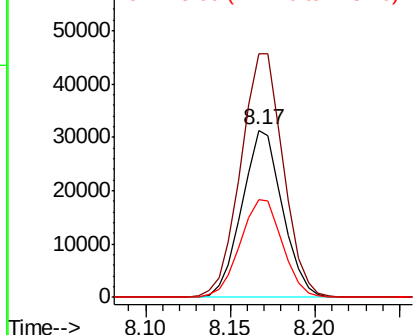
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 864
Delta R.T. -0.02 min
Lab File: BG039544.D
Acq: 18 Feb 2019 18:06

Instrument :
BNA_G
ClientSampleId :
FK-BPM-004-CLEARBROOK-PILE-1

Tgt Ion:152 Resp: 52161
Ion Ratio Lower Upper
152 100
150 145.4 123.7 185.5
115 58.2 45.9 68.9



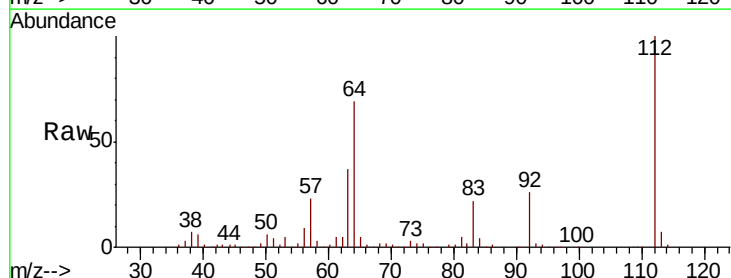
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



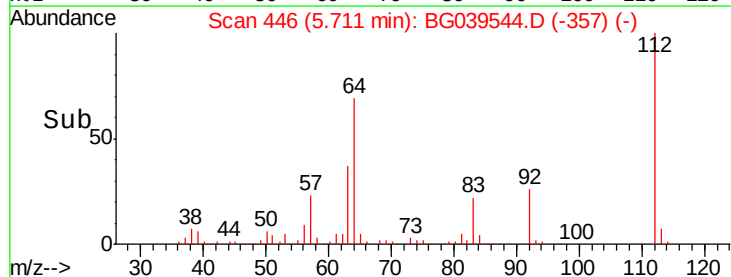
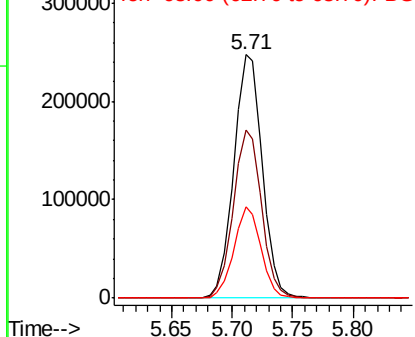
#5

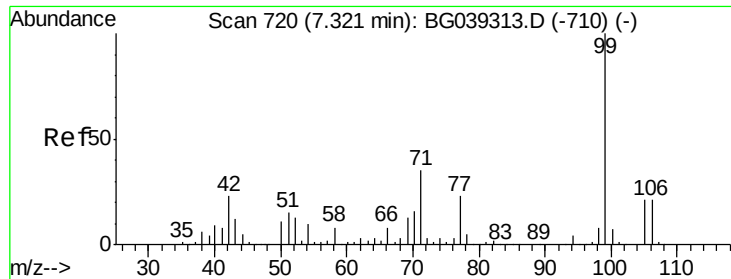
2-Fluorophenol
Concen: 133.250 ng
RT: 5.71 min Scan# 446
Delta R.T. -0.01 min
Lab File: BG039544.D
Acq: 18 Feb 2019 18:06

Tgt Ion:112 Resp: 406102
Ion Ratio Lower Upper
112 100
64 69.2 57.8 86.8
63 37.4 29.8 44.6



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: 137.516 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039544.D

Acq: 18 Feb 2019 18:06

Instrument :

BNA_G

ClientSampleId :

FK-BPM-004-CLEARBROOK-PILE-1

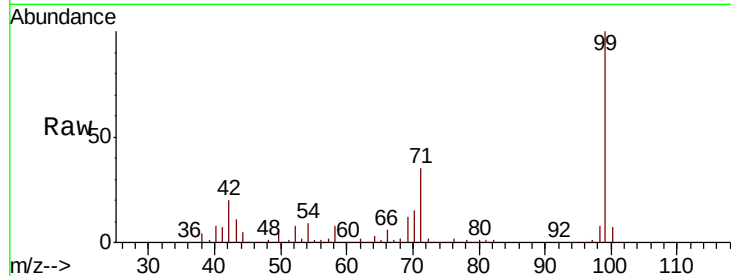
Tgt Ion: 99 Resp: 616909

Ion Ratio Lower Upper

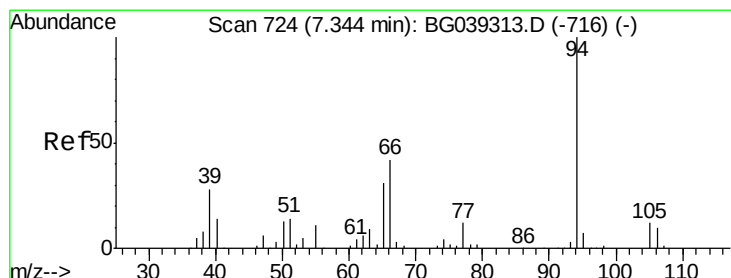
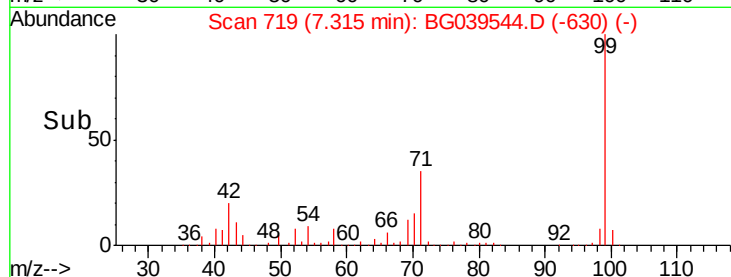
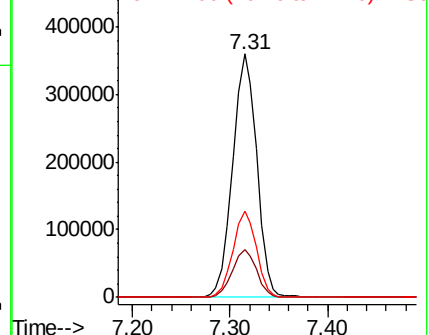
99 100

42 19.9 18.2 27.2

71 35.5 28.0 42.0



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: 3.883 ng

RT: 7.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: BG039544.D

Acq: 18 Feb 2019 18:06

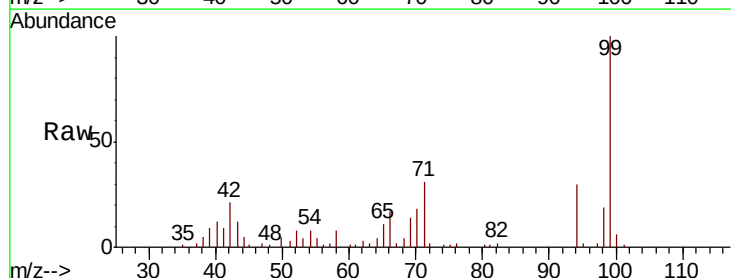
Tgt Ion: 94 Resp: 18157

Ion Ratio Lower Upper

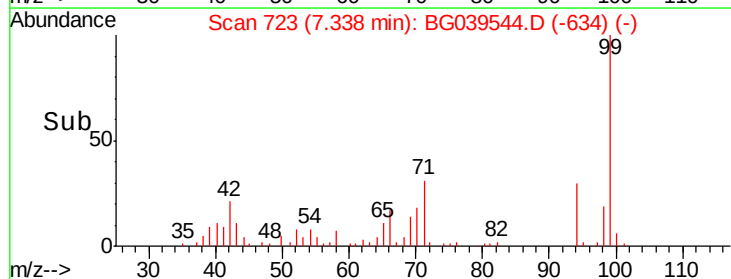
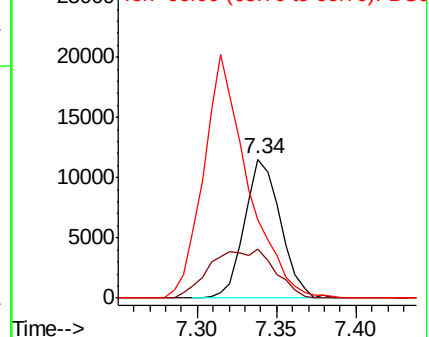
94 100

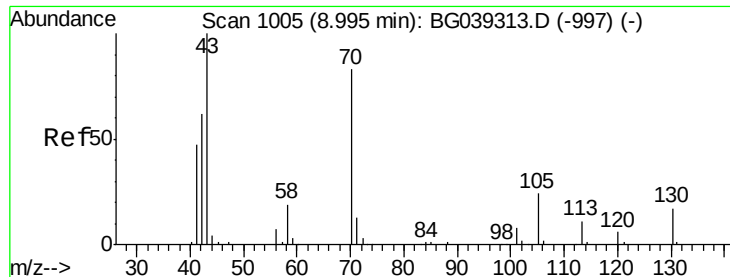
65 35.4 11.7 51.7

66 56.6 23.7 63.7



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

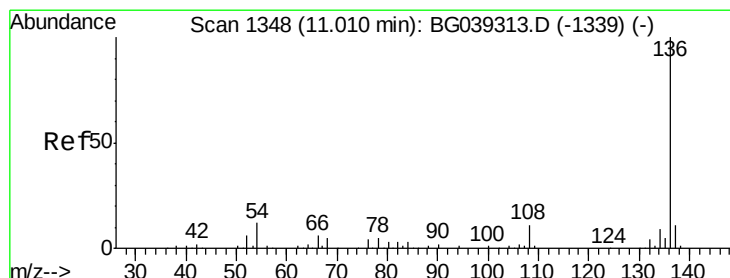
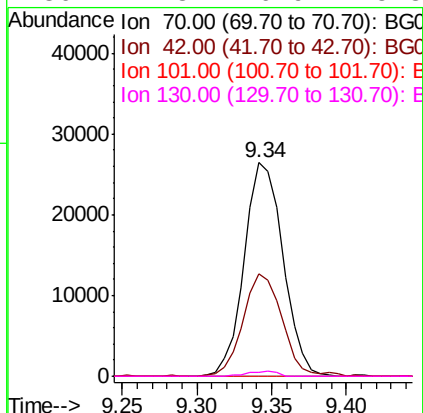
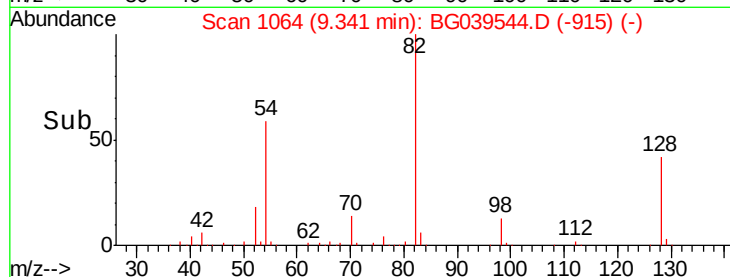
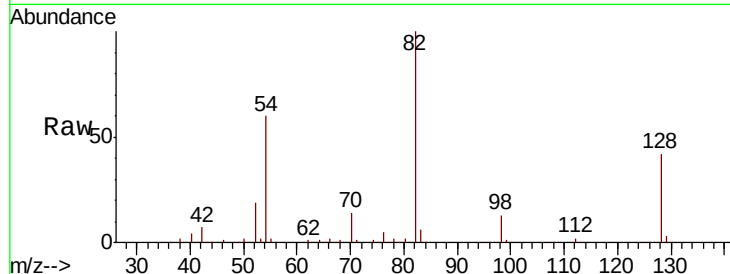




#19
n-Nitroso-di-n-propylamine
Concen: 14.940 ng
RT: 9.34 min Scan# 1064
Delta R.T. 0.35 min
Lab File: BG039544.D
Acq: 18 Feb 2019 18:06

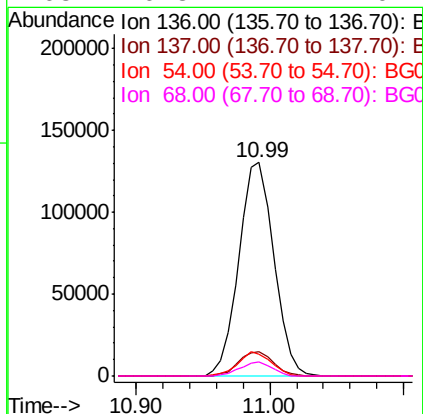
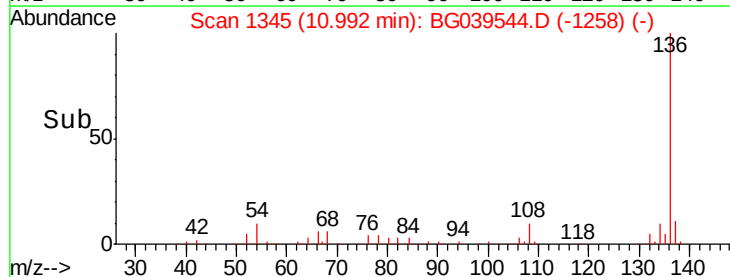
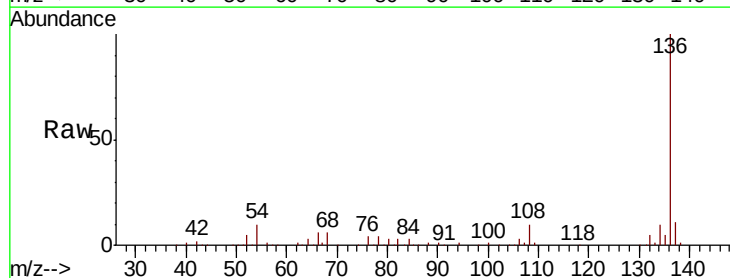
Instrument :
BNA_G
ClientSampleId :
FK-BPM-004-CLEARBROOK-PILE-1

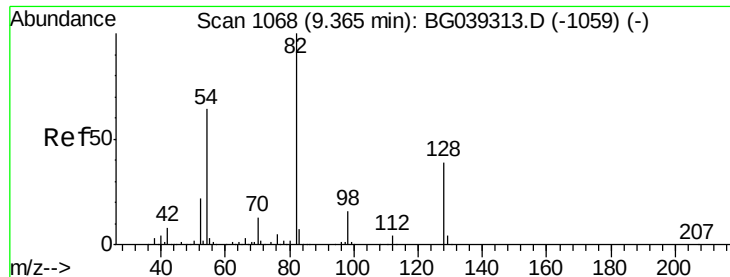
Tgt Ion: 70 Resp: 47569
Ion Ratio Lower Upper
70 100
42 47.8 60.4 90.6#
101 0.0 7.5 11.3#
130 1.8 16.9 25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039544.D
Acq: 18 Feb 2019 18:06

Tgt Ion: 136 Resp: 236693
Ion Ratio Lower Upper
136 100
137 11.5 9.1 13.7
54 10.0 9.4 14.2
68 6.3 4.2 6.4





#23

Nitrobenzene-d5

Concen: 93.886 ng

RT: 9.35 min Scan# 1065

Delta R.T. -0.02 min

Lab File: BG039544.D

Acq: 18 Feb 2019 18:06

Instrument :

BNA_G

ClientSampleId :

FK-BPM-004-CLEARBROOK-PILE-1

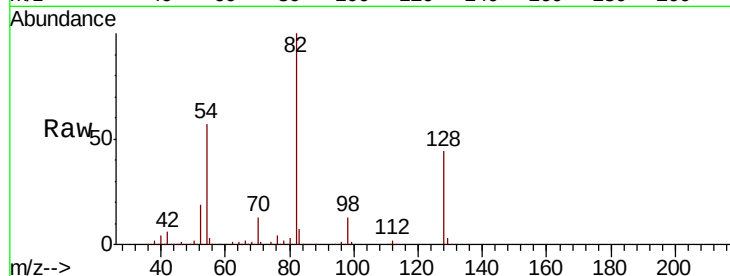
Tgt Ion: 82 Resp: 355718

Ion Ratio Lower Upper

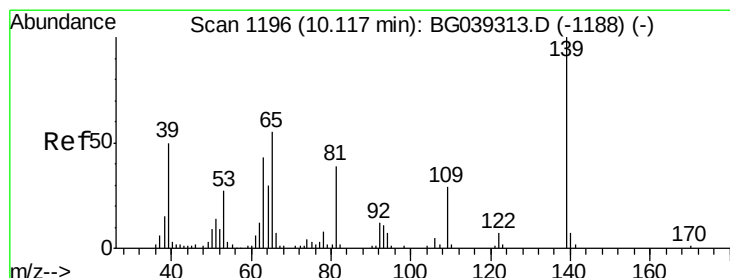
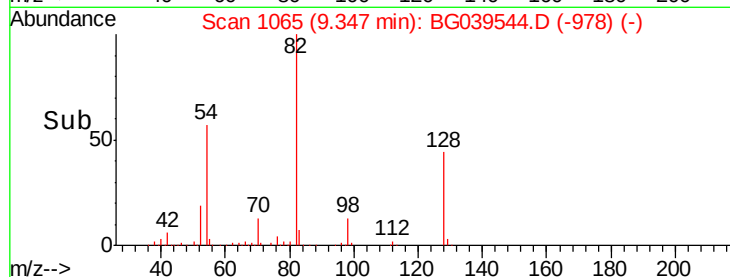
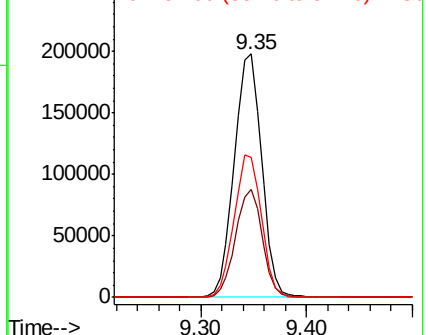
82 100

128 44.5 31.3 46.9

54 57.4 50.9 76.3



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



#26

2-Nitrophenol

Concen: 4.047 ng

RT: 9.75 min Scan# 1134

Delta R.T. -0.36 min

Lab File: BG039544.D

Acq: 18 Feb 2019 18:06

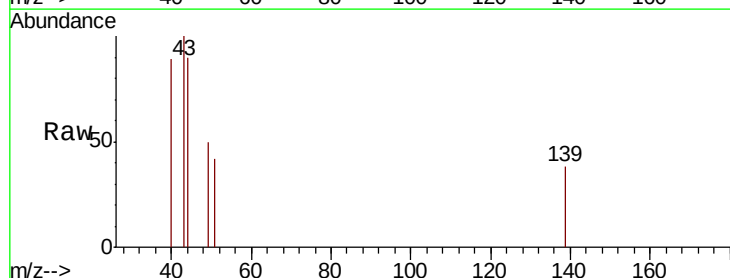
Tgt Ion: 139 Resp: 57

Ion Ratio Lower Upper

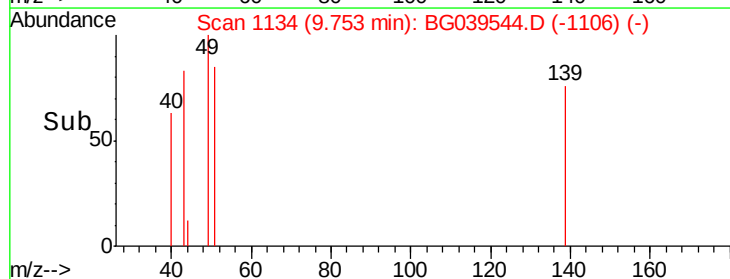
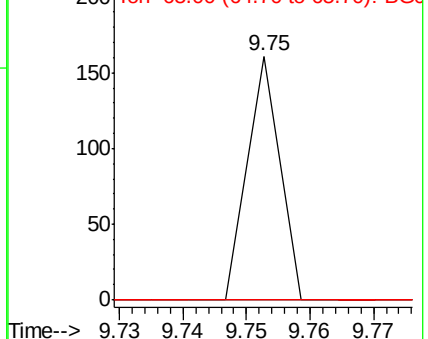
139 100

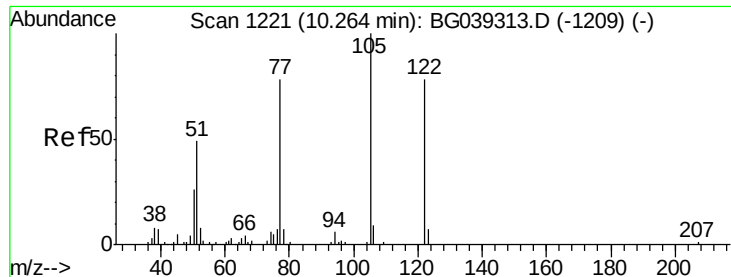
109 0.0 23.4 35.0#

65 0.0 44.3 66.5#



Abundance Ion 139.00 (138.70 to 139.70): BGC
Ion 109.00 (108.70 to 109.70): BGC
Ion 65.00 (64.70 to 65.70): BGC

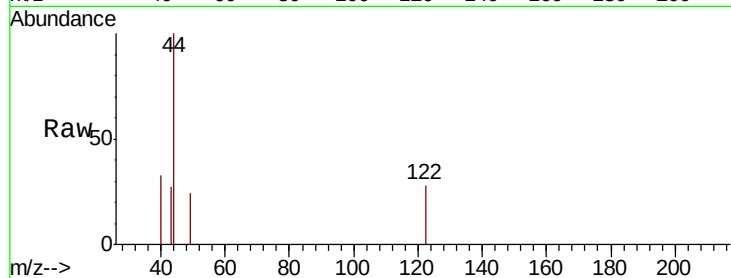




#32
Benzoic acid
Concen: 9.044 ng
RT: 10.60 min Scan# 1278
Delta R.T. 0.34 min
Lab File: BG039544.D
Acq: 18 Feb 2019 18:06

Instrument :
BNA_G
ClientSampleId :
FK-BPM-004-CLEARBROOK-PILE-1

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.8	141.8#
77	0.0	76.3	116.3#

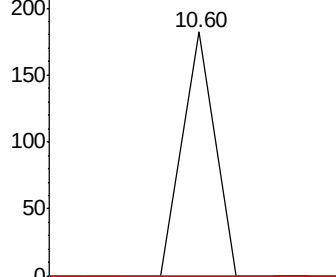


Abundance

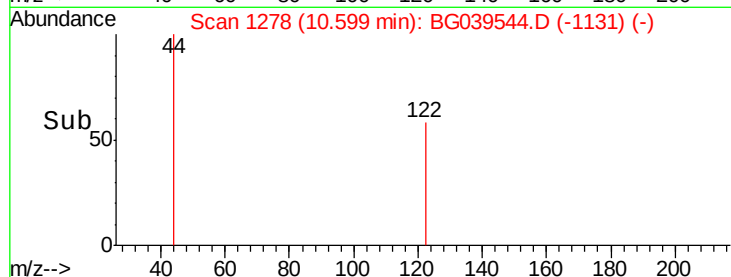
Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC

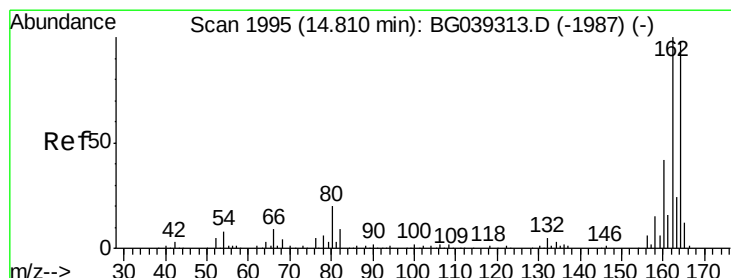


Time-->



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.79 min Scan# 1992
Delta R.T. -0.02 min
Lab File: BG039544.D
Acq: 18 Feb 2019 18:06

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.8	81.6	122.4
160	43.6	34.2	51.2

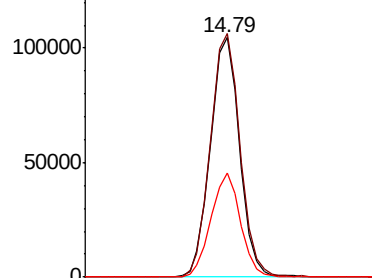


Abundance

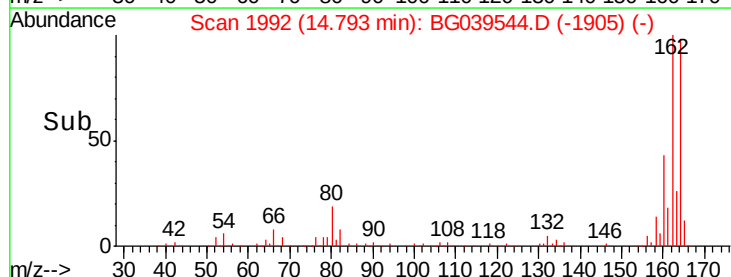
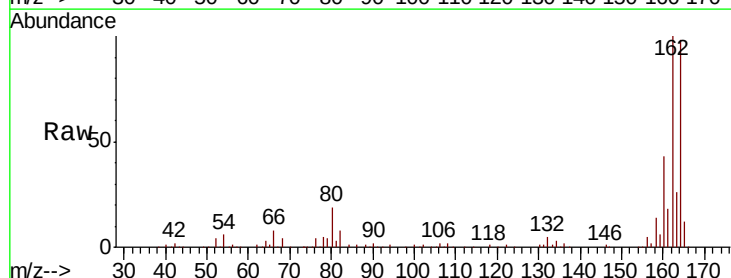
Ion 164.00 (163.70 to 164.70): E

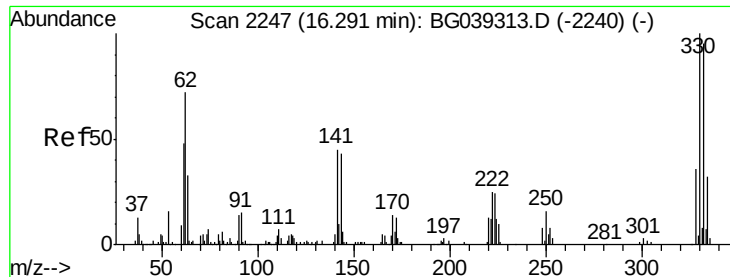
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time-->





#42

2,4,6-Tribromophenol

Concen: 138.973 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.01 min

Lab File: BG039544.D

Acq: 18 Feb 2019 18:06

Instrument :

BNA_G

ClientSampleId :

FK-BPM-004-CLEARBROOK-PILE-1

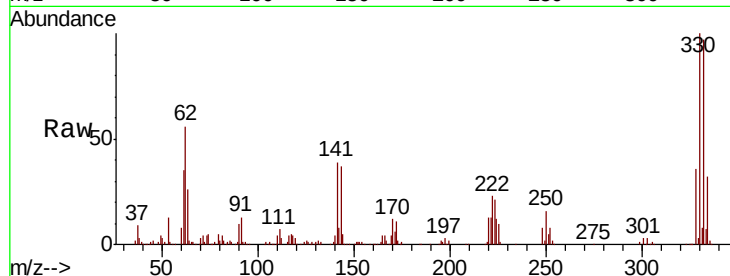
Tgt Ion:330 Resp: 249940

Ion Ratio Lower Upper

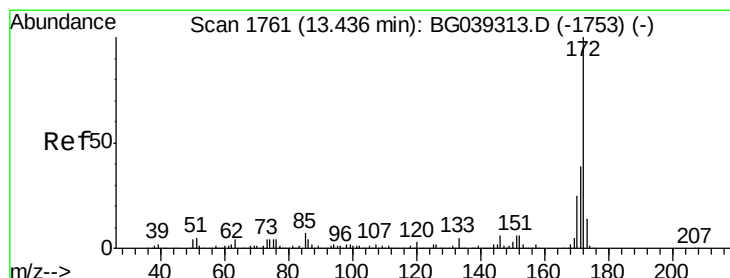
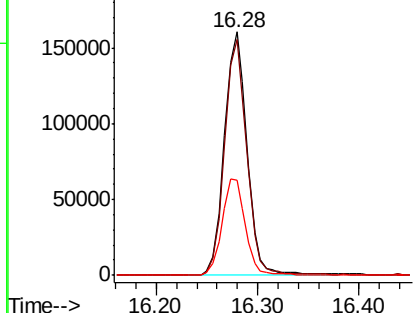
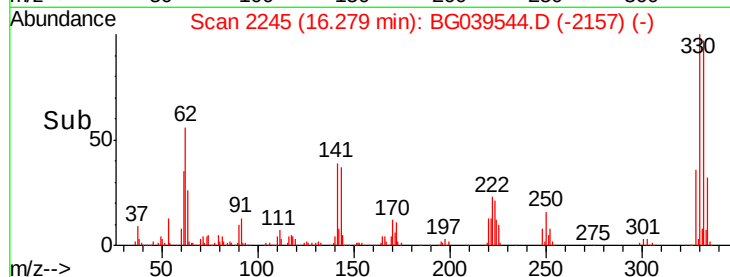
330 100

332 95.4 75.7 113.5

141 40.2 35.6 53.4



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: 73.390 ng

RT: 13.42 min Scan# 1758

Delta R.T. -0.02 min

Lab File: BG039544.D

Acq: 18 Feb 2019 18:06

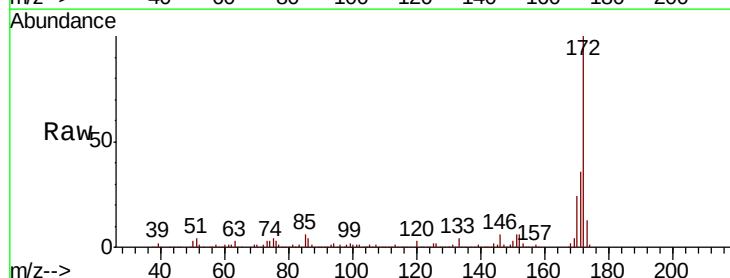
Tgt Ion:172 Resp: 854435

Ion Ratio Lower Upper

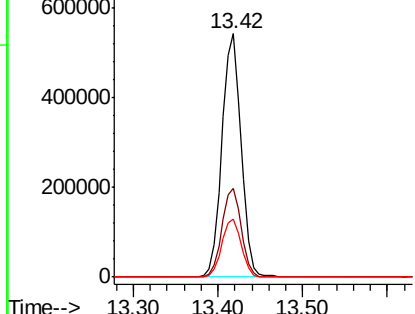
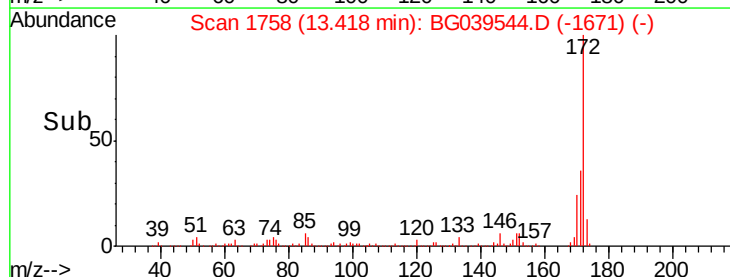
172 100

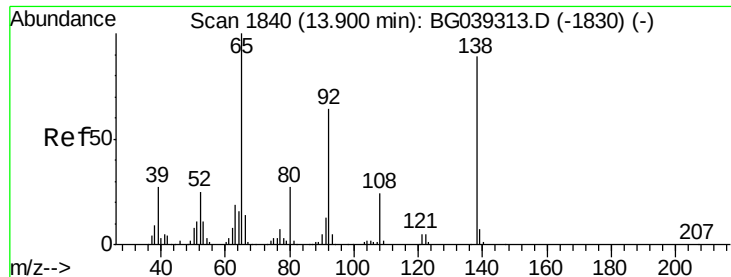
171 36.2 30.8 46.2

170 24.1 20.2 30.4



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





#48

2-Nitroaniline

Concen: 8.433 ng

RT: 14.23 min Scan# 1897

Delta R.T. 0.34 min

Lab File: BG039544.D

Acq: 18 Feb 2019 18:06

Instrument :

BNA_G

ClientSampleId :

FK-BPM-004-CLEARBROOK-PILE-1

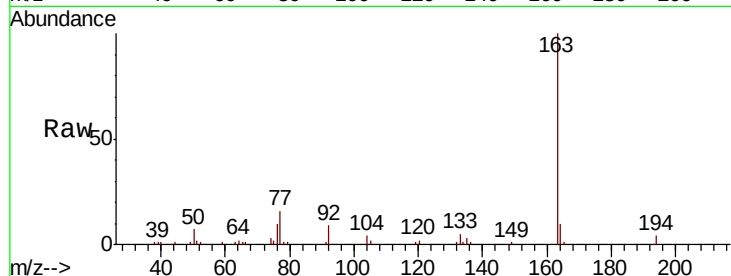
Tgt Ion: 65 Resp: 495

Ion Ratio Lower Upper

65 100

92 1002.8 51.4 77.2#

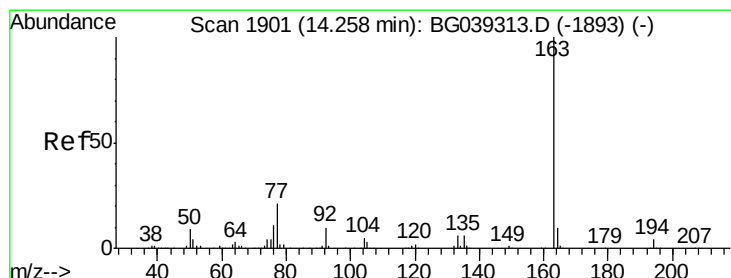
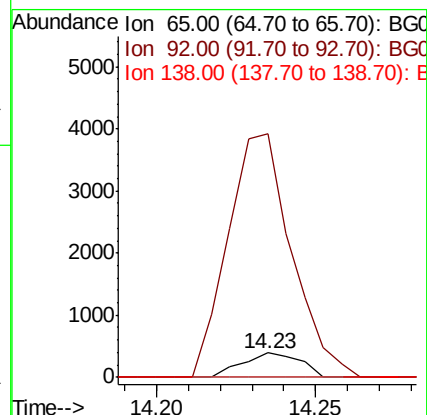
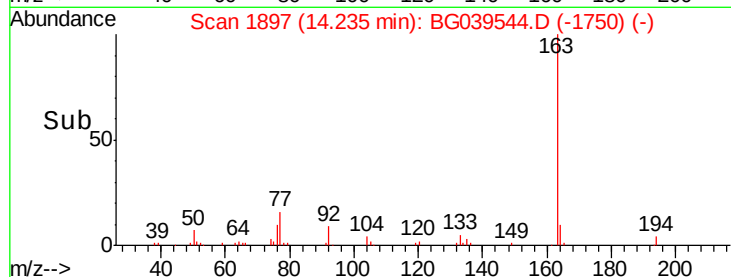
138 0.0 71.4 107.2#



Abundance Ion 65.00 (64.70 to 65.70): BG039313.D (-1830) (-)

Ion 92.00 (91.70 to 92.70): BG039313.D (-1830) (-)

Ion 138.00 (137.70 to 138.70): BG039313.D (-1830) (-)



#50

Dimethylphthalate

Concen: 4.808 ng

RT: 14.23 min Scan# 1897

Delta R.T. -0.02 min

Lab File: BG039544.D

Acq: 18 Feb 2019 18:06

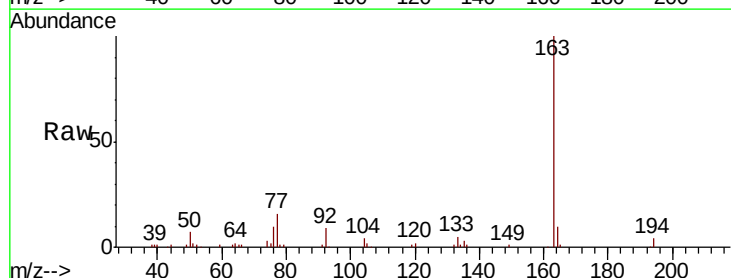
Tgt Ion: 163 Resp: 64860

Ion Ratio Lower Upper

163 100

194 4.3 3.6 5.4

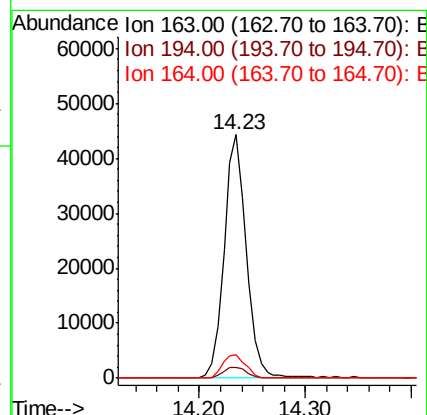
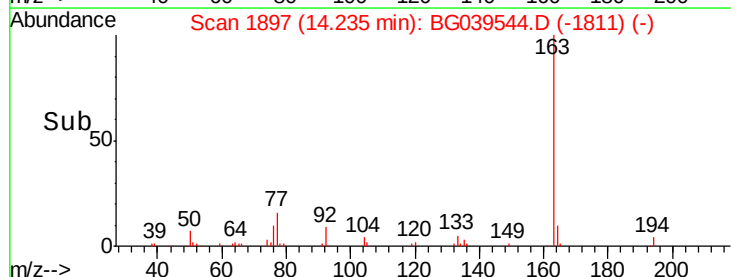
164 9.9 8.4 12.6

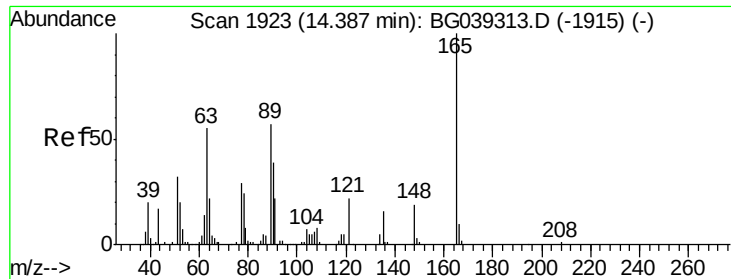


Abundance Ion 163.00 (162.70 to 163.70): BG039313.D (-1893) (-)

Ion 194.00 (193.70 to 194.70): BG039313.D (-1893) (-)

Ion 164.00 (163.70 to 164.70): BG039313.D (-1893) (-)

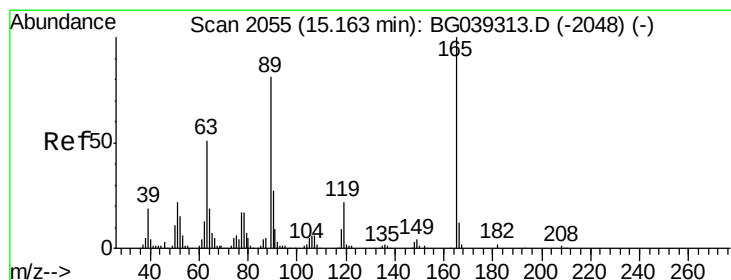
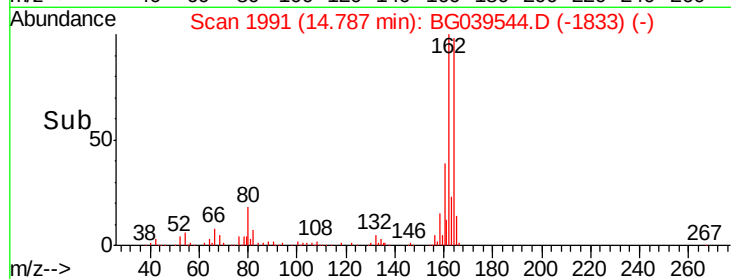
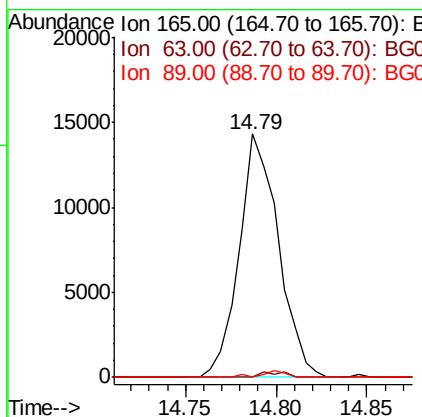
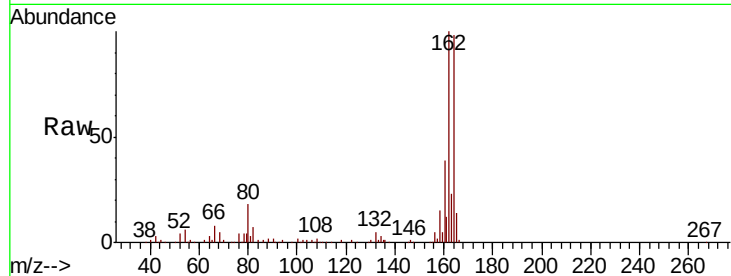




#51
 2,6-Dinitrotoluene
 Concen: 13.942 ng
 RT: 14.79 min Scan# 1991
 Delta R.T. 0.40 min
 Lab File: BG039544.D
 Acq: 18 Feb 2019 18:06

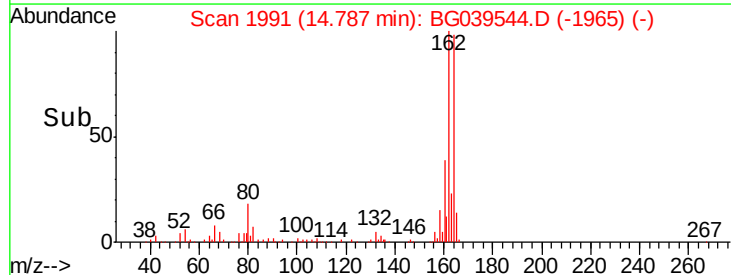
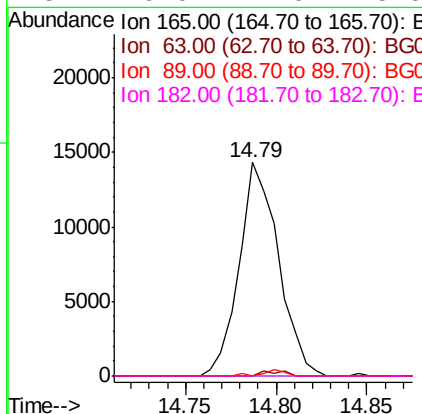
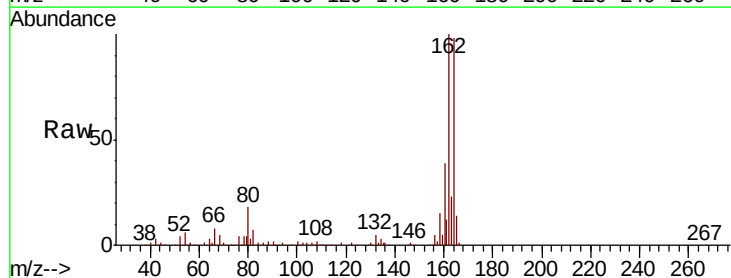
Instrument :
 BNA_G
 ClientSampleId :
 FK-BPM-004-CLEARBROOK-PILE-1

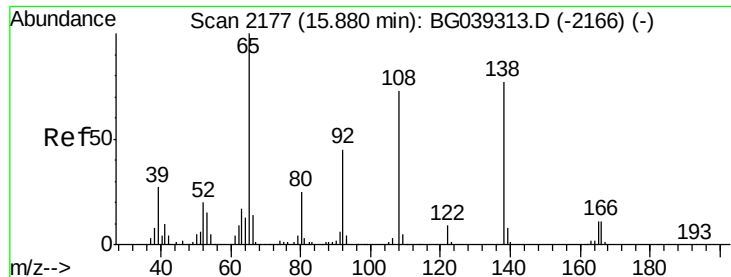
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	47.0	70.6#
89	0.0	45.8	68.8#



#57
 2,4-Dinitrotoluene
 Concen: 13.413 ng
 RT: 14.79 min Scan# 1991
 Delta R.T. -0.37 min
 Lab File: BG039544.D
 Acq: 18 Feb 2019 18:06

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.0	61.6#
89	0.0	64.6	96.8#
182	0.0	2.0	3.0#





#62

4-Nitroaniline

Concen: 4.221 ng

RT: 15.67 min Scan# 2142

Delta R.T. -0.20 min

Lab File: BG039544.D

Acq: 18 Feb 2019 18:06

Instrument :

BNA_G

ClientSampleId :

FK-BPM-004-CLEARBROOK-PILE-1

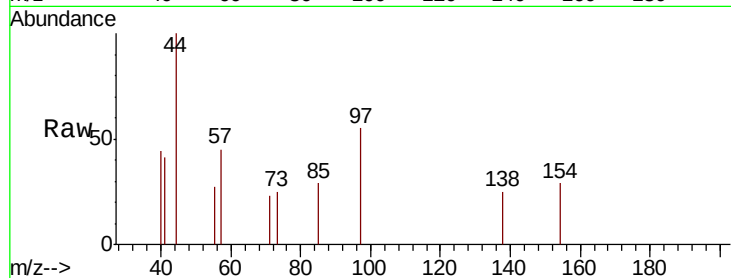
Tgt Ion:138 Resp: 56

Ion Ratio Lower Upper

138 100

92 0.0 38.7 78.7#

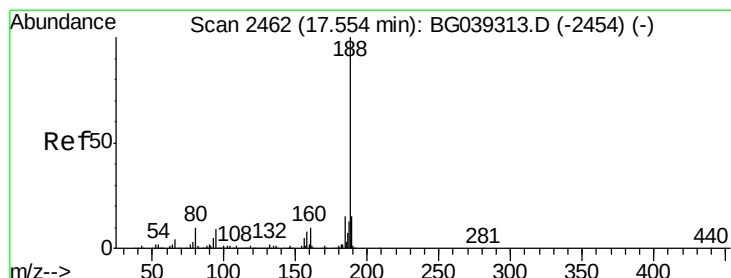
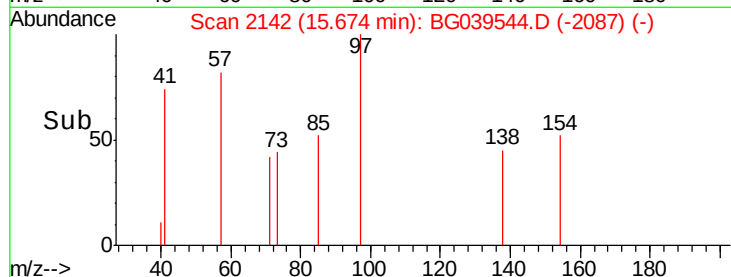
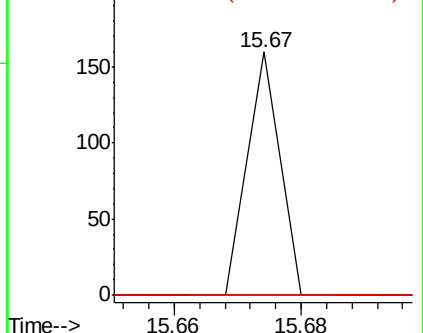
108 0.0 74.6 114.6#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.54 min Scan# 2459

Delta R.T. -0.02 min

Lab File: BG039544.D

Acq: 18 Feb 2019 18:06

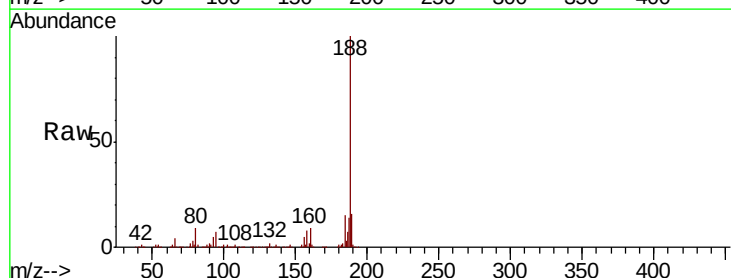
Tgt Ion:188 Resp: 416168

Ion Ratio Lower Upper

188 100

94 7.3 6.9 10.3

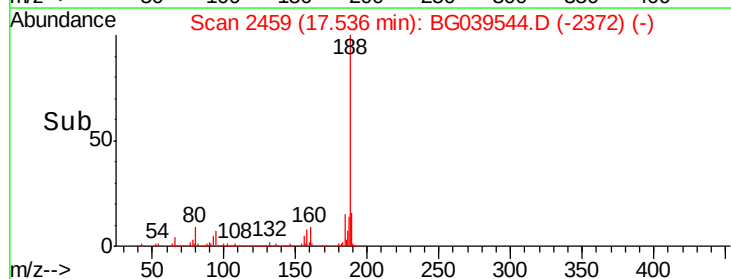
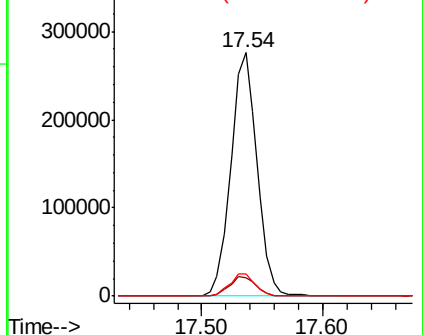
80 9.0 8.1 12.1

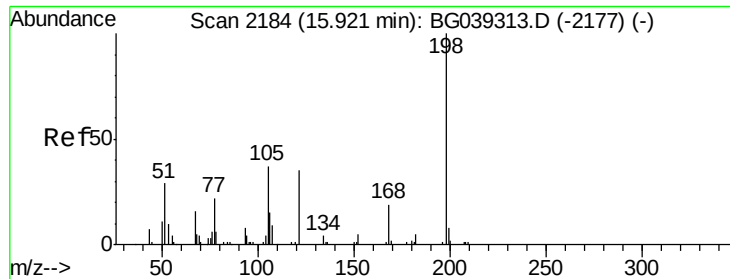


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG

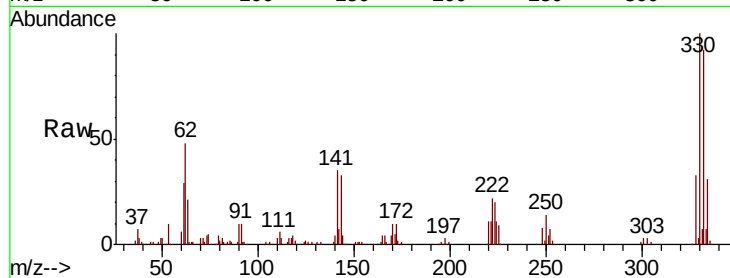




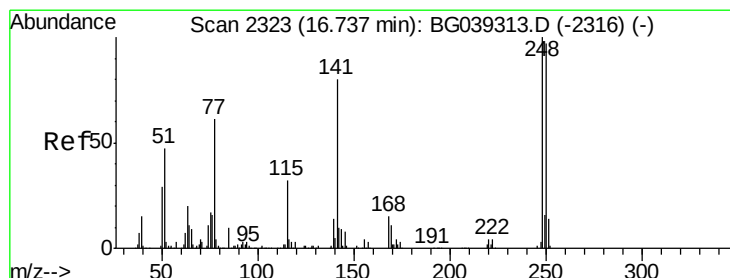
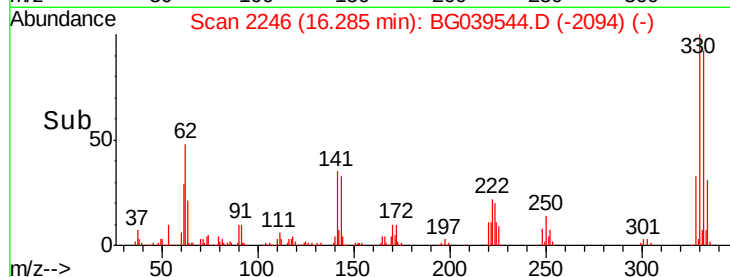
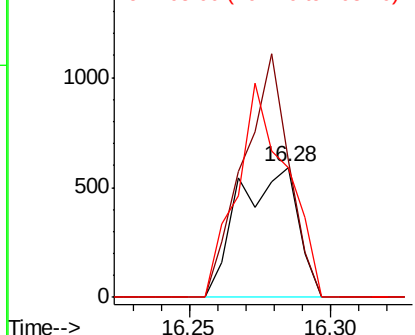
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.836 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. 0.36 min
 Lab File: BG039544.D
 Acq: 18 Feb 2019 18:06

Instrument :
 BNA_G
 ClientSampleId :
 FK-BPM-004-CLEARBROOK-PILE-1

Tgt Ion:198 Resp: 858
 Ion Ratio Lower Upper
 198 100
 51 105.9 27.4 67.4#
 105 100.0 19.7 59.7#

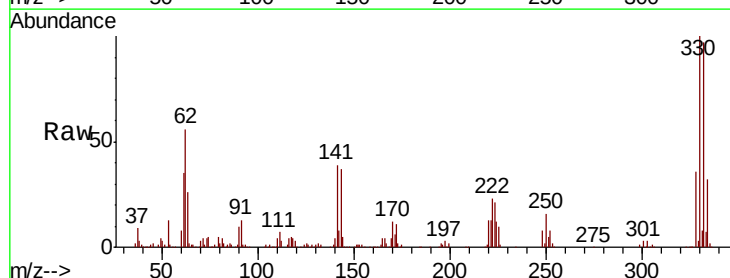


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

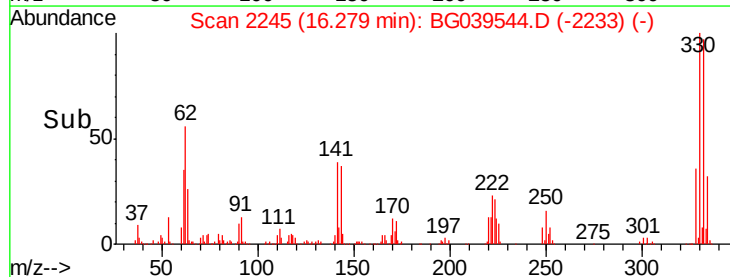
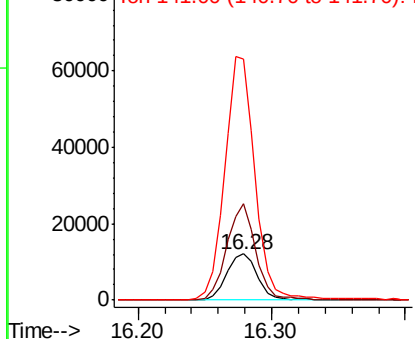


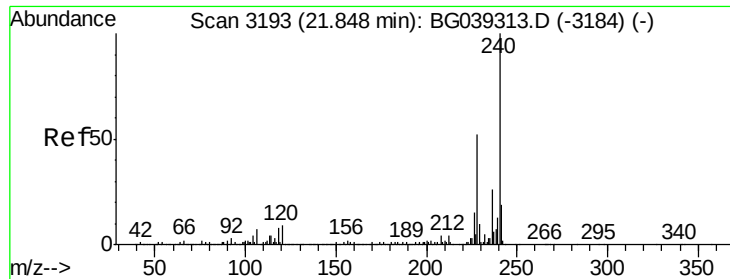
#67
 4-Bromophenyl-phenylether
 Concen: 4.212 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039544.D
 Acq: 18 Feb 2019 18:06

Tgt Ion:248 Resp: 19447
 Ion Ratio Lower Upper
 248 100
 250 209.3 77.6 116.4#
 141 519.3 63.9 95.9#



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

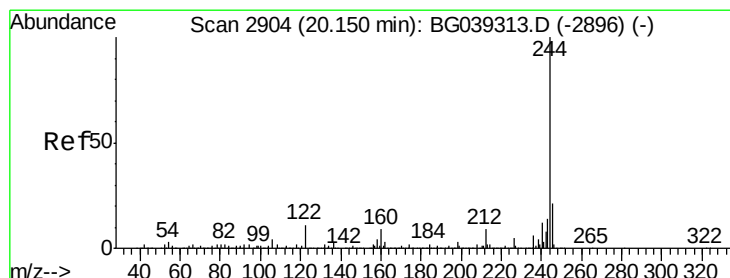
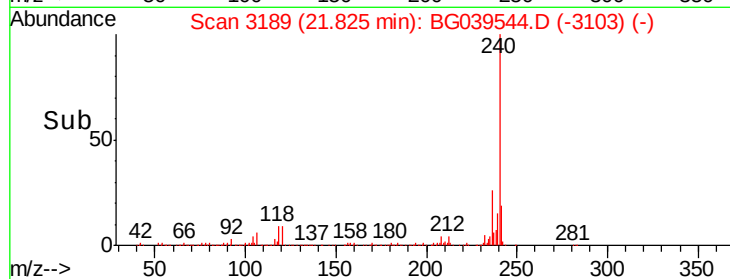
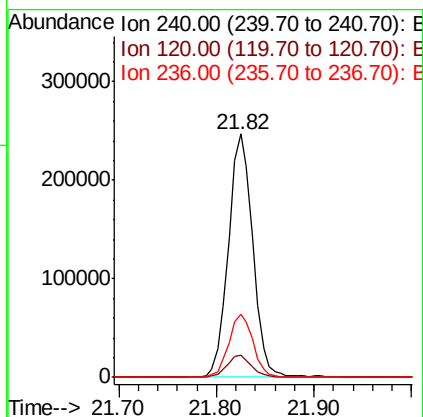
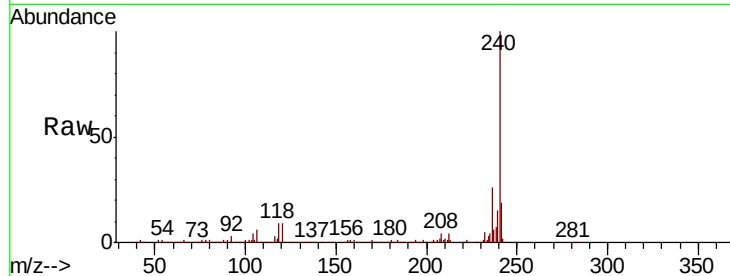




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.82 min Scan# 3189
Delta R.T. -0.02 min
Lab File: BG039544.D
Acq: 18 Feb 2019 18:06

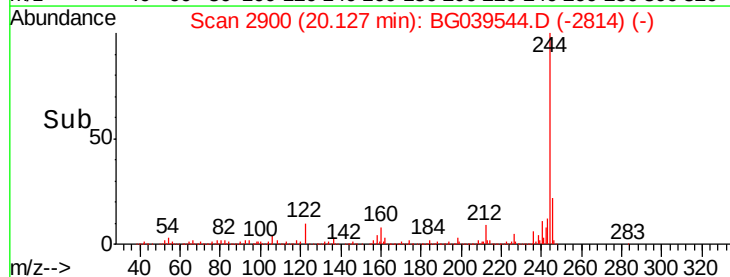
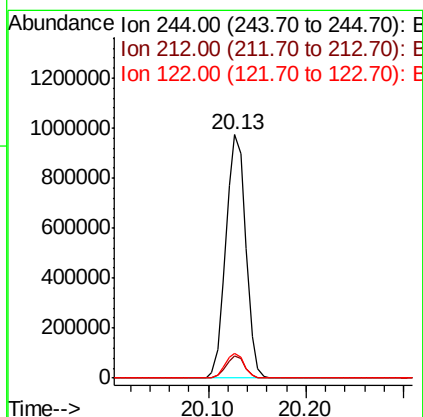
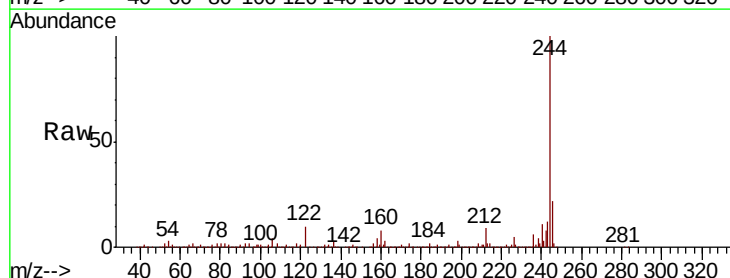
Instrument :
BNA_G
ClientSampleId :
FK-BPM-004-CLEARBROOK-PILE-1

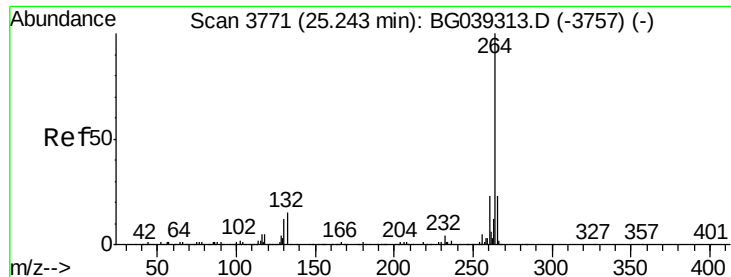
Tgt Ion:240 Resp: 427165
Ion Ratio Lower Upper
240 100
120 8.9 7.0 10.6
236 25.9 21.0 31.4



#79
Terphenyl-d14
Concen: 68.199 ng
RT: 20.13 min Scan# 2900
Delta R.T. -0.02 min
Lab File: BG039544.D
Acq: 18 Feb 2019 18:06

Tgt Ion:244 Resp: 1376305
Ion Ratio Lower Upper
244 100
212 9.0 7.3 10.9
122 10.4 8.4 12.6





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.20 min Scan# 3764
Delta R.T. -0.04 min
Lab File: BG039544.D
Acq: 18 Feb 2019 18:06

Instrument :
BNA_G
ClientSampleId :
FK-BPM-004-CLEARBROOK-PILE-1

Tgt Ion:	264	Resp:	408314
Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.2	27.4
265	21.5	18.5	27.7

