

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061316\
 Data File : BG022327.D
 Acq On : 13 Jun 2016 16:57
 Operator : UM/SJ
 Sample : H3448-27
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 14-VE-PILE-WALL(0-2)

Quant Time: Jun 13 17:59:21 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 13 17:40:23 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	39668	20.00	ng	0.00
21) Naphthalene-d8	10.91	136	191710	20.00	ng	0.00
38) Acenaphthene-d10	14.72	164	99496	20.00	ng	0.00
63) Phenanthrene-d10	17.47	188	187433	20.00	ng	0.00
75) Chrysene-d12	21.74	240	149068	20.00	ng	0.00
86) Perylene-d12	25.02	264	142037	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.63	112	367210	178.98	ng	0.00
7) Phenol-d6	7.26	99	542403	168.15	ng	0.00
23) Nitrobenzene-d5	9.27	82	303124	110.23	ng	0.00
41) 2,4,6-Tribromophenol	16.22	330	153540	136.57	ng	0.00
44) 2-Fluorobiphenyl	13.34	172	715413	109.58	ng	0.00
78) Terphenyl-d14	20.06	244	678524	108.06	ng	0.00

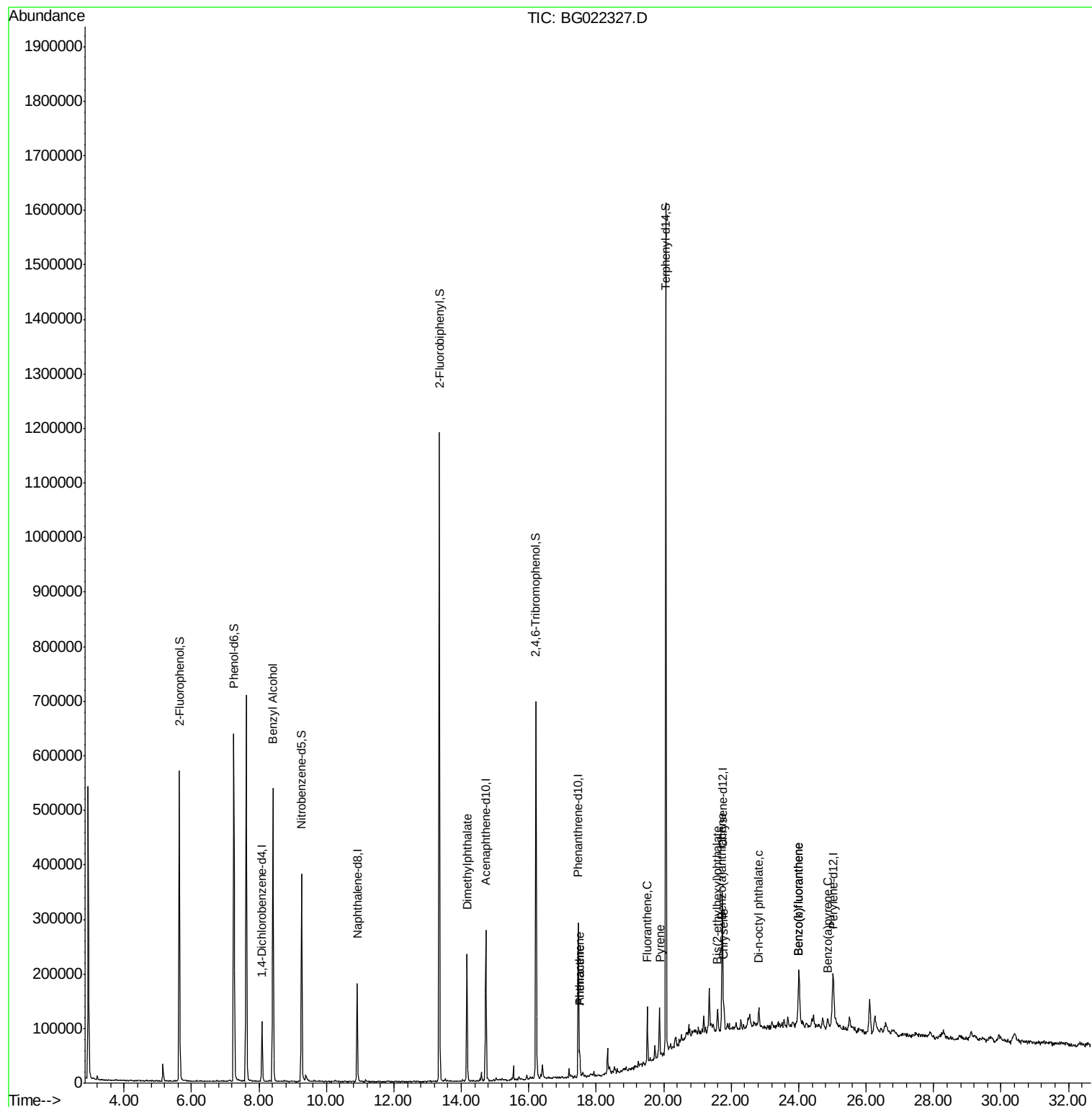
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	8.41	79	4462	2.14	ng	# 51
49) Dimethylphthalate	14.17	163	182628	22.14	ng	100
70) Phenanthrene	17.51	178	30093	2.96	ng	96
71) Anthracene	17.51	178	30093	2.98	ng	95
74) Fluoranthene	19.51	202	67177	5.74	ng	96
77) Pyrene	19.88	202	59291	6.40	ng	97
80) Benzo(a)anthracene	21.72	228	28673	3.43	ng	97
82) Chrysene	21.79	228	28450	3.50	ng	97
83) Bis(2-ethylhexyl)phthalate	21.60	149	31853	5.04	ng	# 89
84) Di-n-octyl phthalate	22.83	149	38656	3.68	ng	# 97
87) Benzo(b)fluoranthene	23.98	252	40899	4.94	ng	# 94
88) Benzo(k)fluoranthene	23.98	252	40899	5.02	ng	# 94
89) Benzo(a)pyrene	24.87	252	20483	2.59	ng	# 89

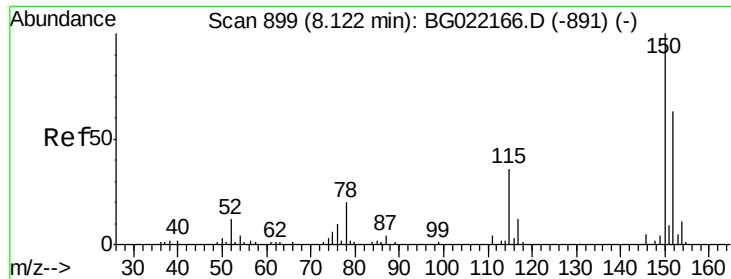
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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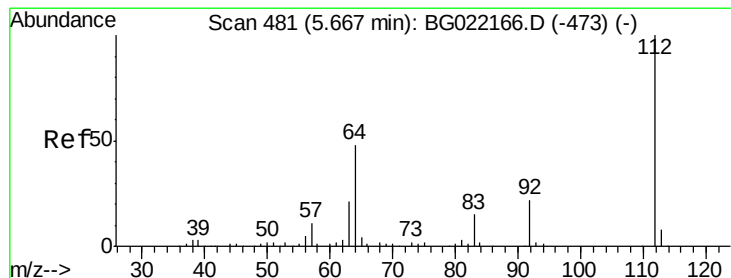
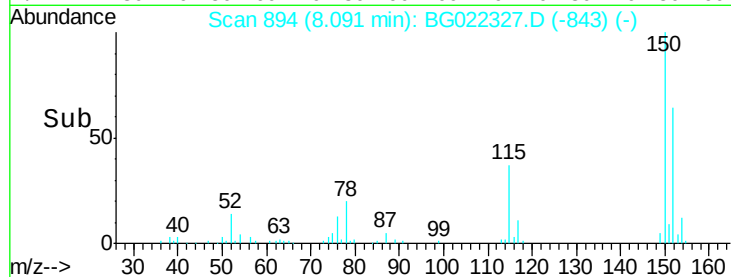
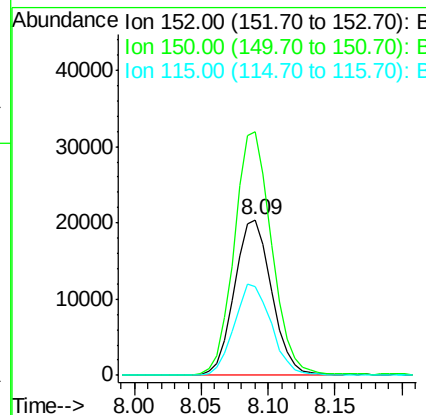
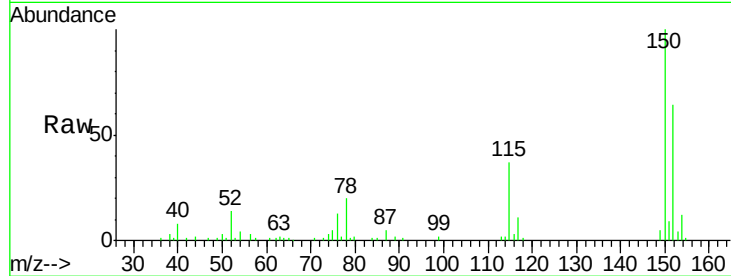


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.09 min Scan# 894
Delta R.T. -0.00 min
Lab File: BG022327.D
Acq: 13 Jun 2016 16:57

Instrument :
BNA_G
ClientSampleId :
14-VE-PILE-WALL(0-2)

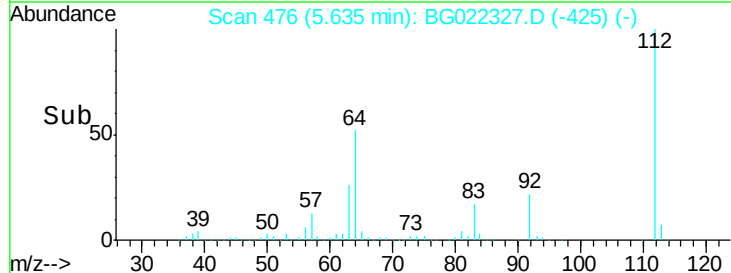
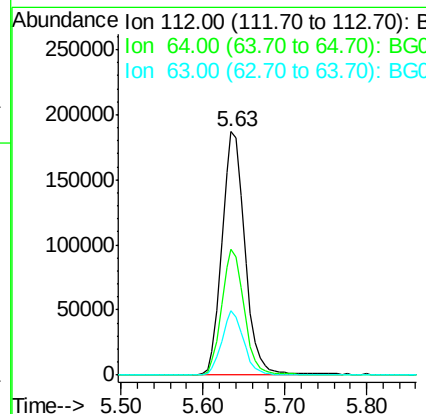
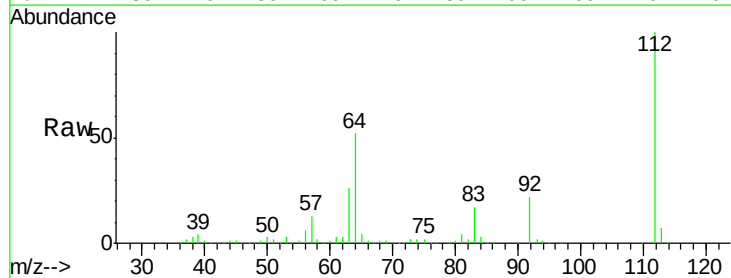
Tgt Ion:152 Resp: 39668
Ion Ratio Lower Upper
152 100
150 156.2 130.1 195.1
115 57.2 62.2 93.2#

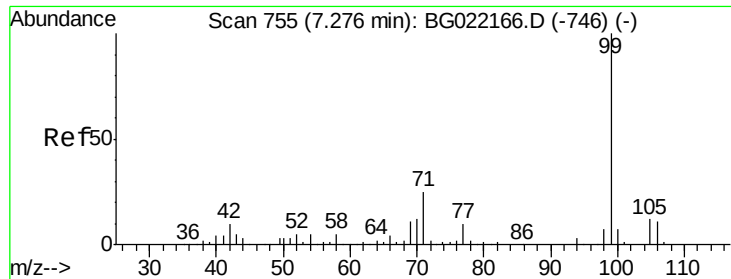


#5

2-Fluorophenol
Concen: 178.98 ng
RT: 5.63 min Scan# 476
Delta R.T. -0.00 min
Lab File: BG022327.D
Acq: 13 Jun 2016 16:57

Tgt Ion:112 Resp: 367210
Ion Ratio Lower Upper
112 100
64 51.6 51.1 76.7
63 26.4 24.6 37.0





#7

Phenol-d6

Concen: 168.15 ng

RT: 7.26 min Scan# 752

Delta R.T. 0.01 min

Lab File: BG022327.D

Acq: 13 Jun 2016 16:57

Instrument :

BNA_G

ClientSampleId :

14-VE-PILE-WALL(0-2)

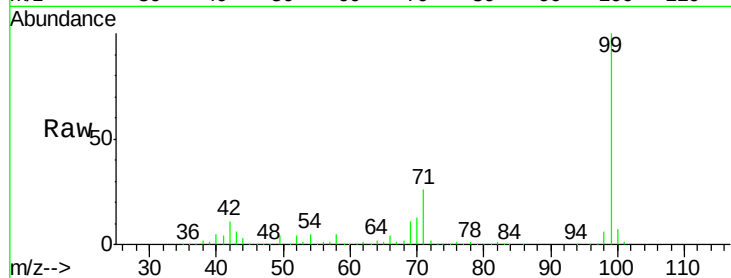
Tgt Ion: 99 Resp: 542403

Ion Ratio Lower Upper

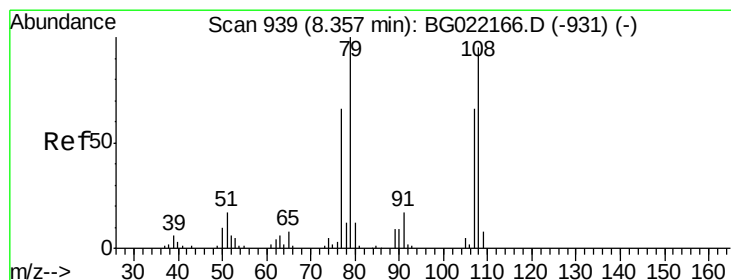
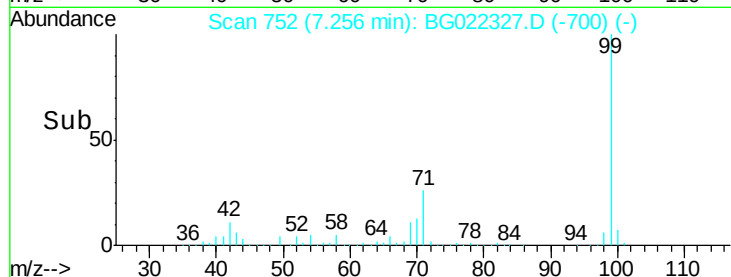
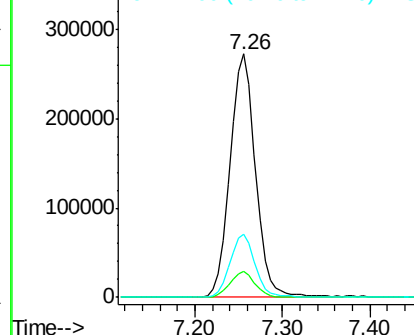
99 100

42 10.7 16.4 24.6#

71 26.0 25.0 37.4



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



#15

Benzyl Alcohol

Concen: 2.14 ng

RT: 8.41 min Scan# 949

Delta R.T. 0.08 min

Lab File: BG022327.D

Acq: 13 Jun 2016 16:57

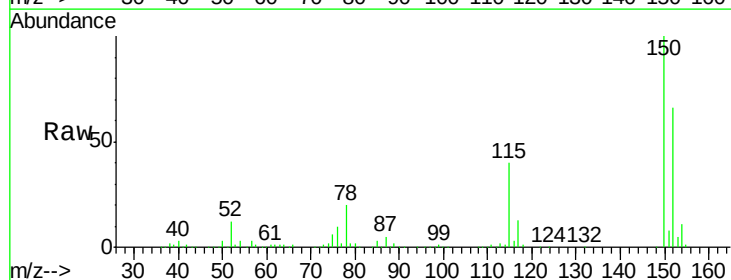
Tgt Ion: 79 Resp: 4462

Ion Ratio Lower Upper

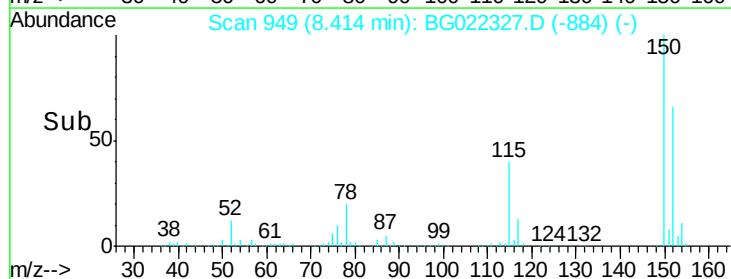
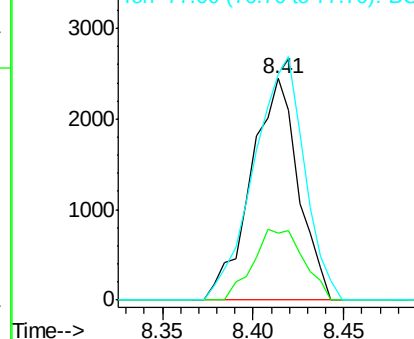
79 100

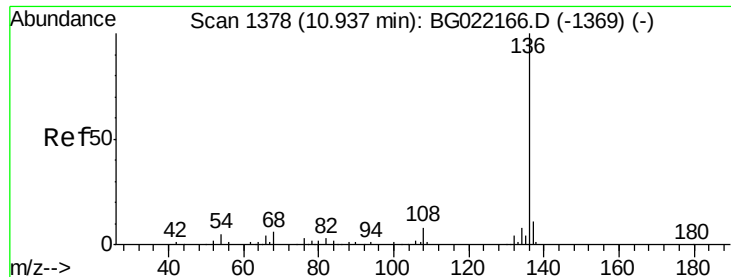
108 30.4 59.4 89.0#

77 102.0 52.2 78.2#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

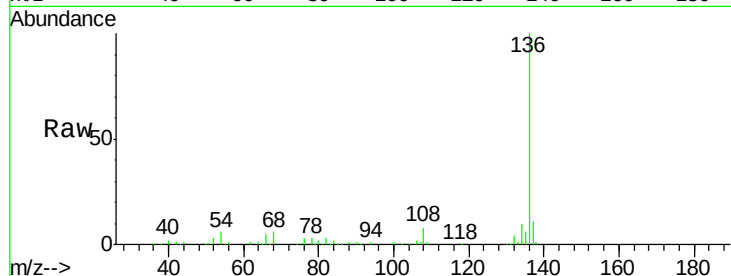




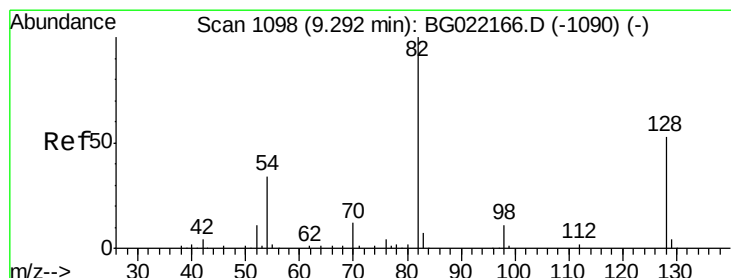
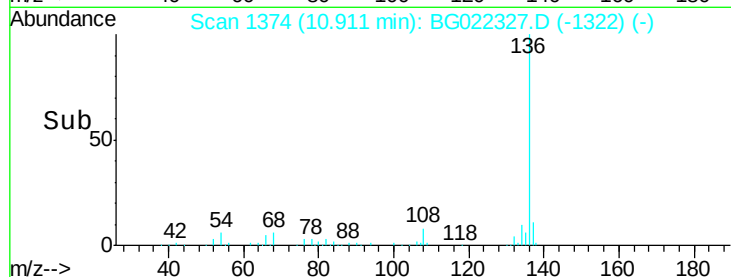
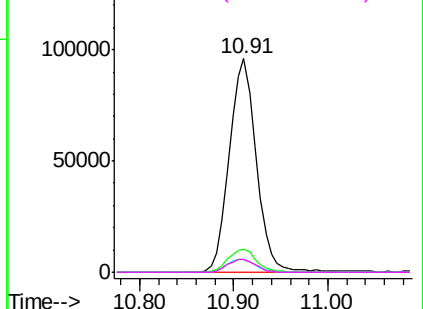
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.91 min Scan# 1374
Delta R.T. 0.01 min
Lab File: BG022327.D
Acq: 13 Jun 2016 16:57

Instrument :
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Tgt Ion:	136	Resp:	191710
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	6.2	9.6	14.4#
68	5.9	6.4	9.6#

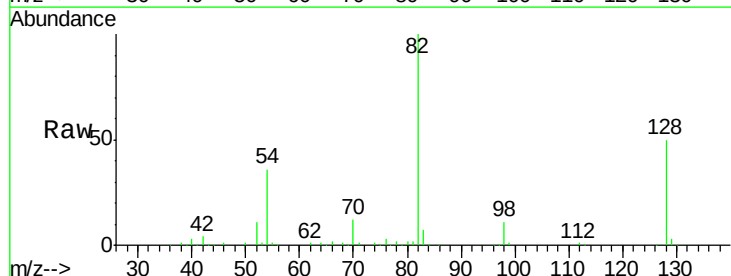


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

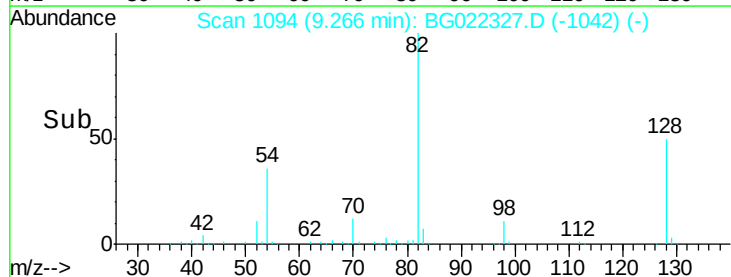
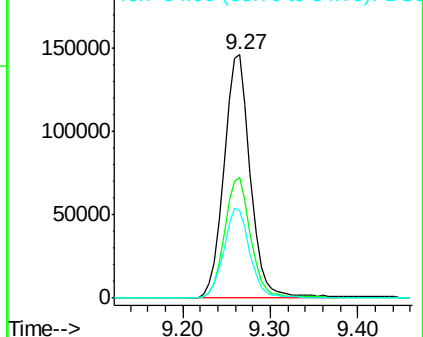


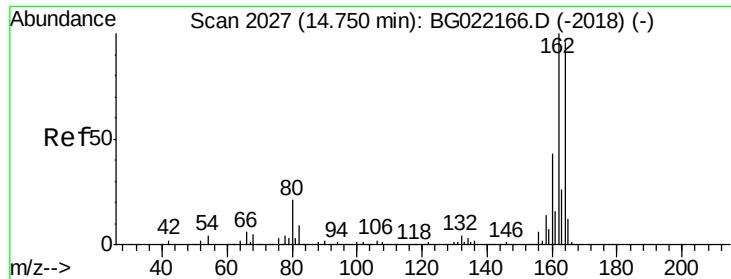
#23
Nitrobenzene-d5
Concen: 110.23 ng
RT: 9.27 min Scan# 1094
Delta R.T. 0.01 min
Lab File: BG022327.D
Acq: 13 Jun 2016 16:57

Tgt Ion:	82	Resp:	303124
Ion	Ratio	Lower	Upper
82	100		
128	49.8	33.4	50.0
54	36.0	46.1	69.1#



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.72 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BG022327.D

Acq: 13 Jun 2016 16:57

Instrument :

BNA_G

ClientSampleId :

14-VE-PILE-WALL(0-2)

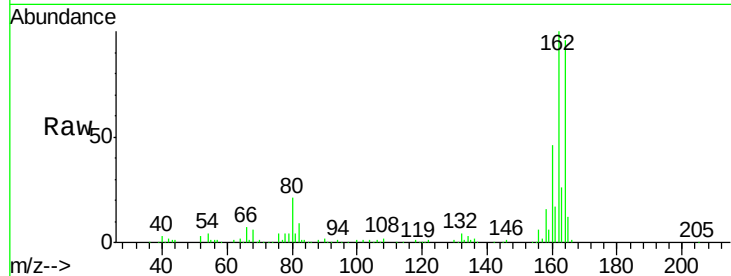
Tgt Ion:164 Resp: 99496

Ion Ratio Lower Upper

164 100

162 104.1 78.0 117.0

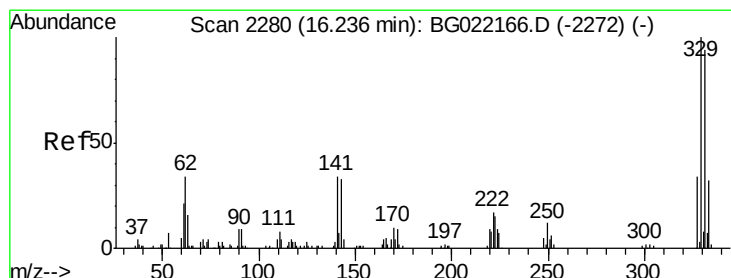
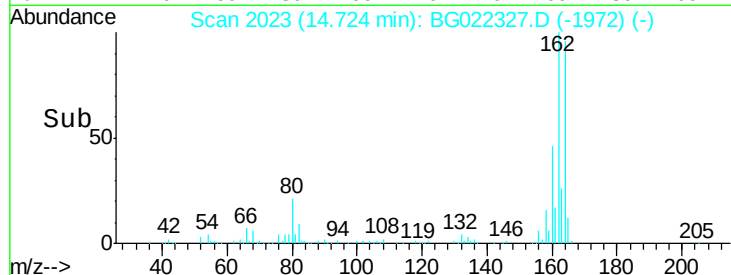
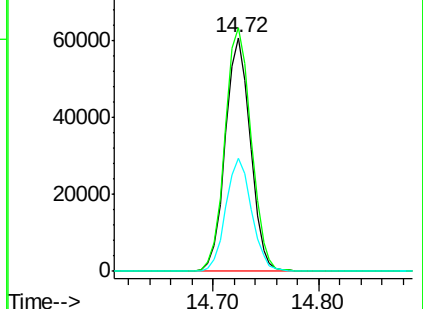
160 48.3 32.9 49.3



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



#41

2,4,6-Tribromophenol

Concen: 136.57 ng

RT: 16.22 min Scan# 2277

Delta R.T. -0.00 min

Lab File: BG022327.D

Acq: 13 Jun 2016 16:57

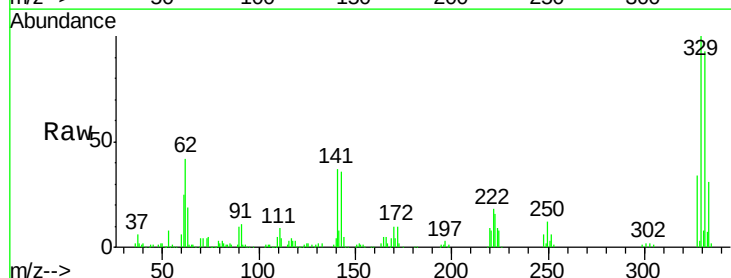
Tgt Ion:330 Resp: 153540

Ion Ratio Lower Upper

330 100

332 96.0 78.0 117.0

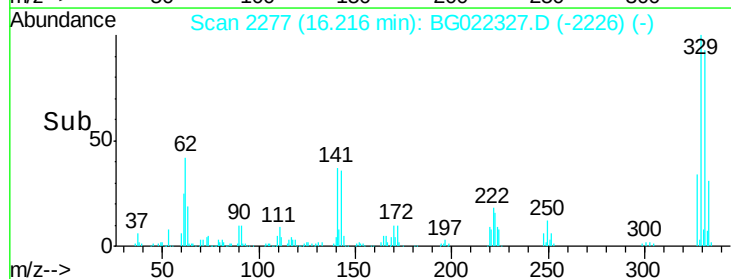
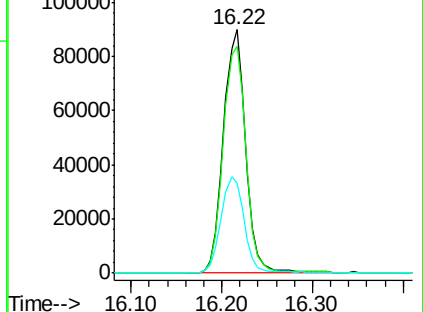
141 41.4 33.8 50.8

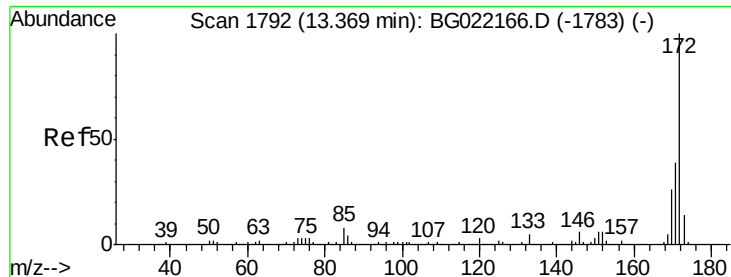


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

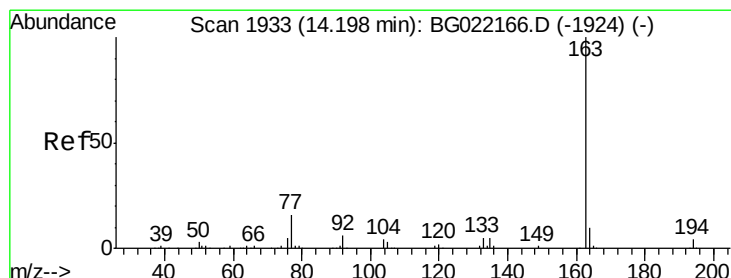
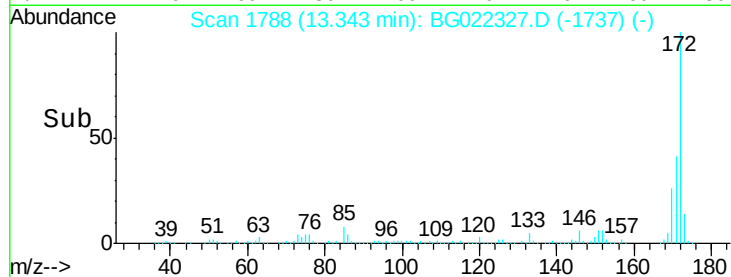
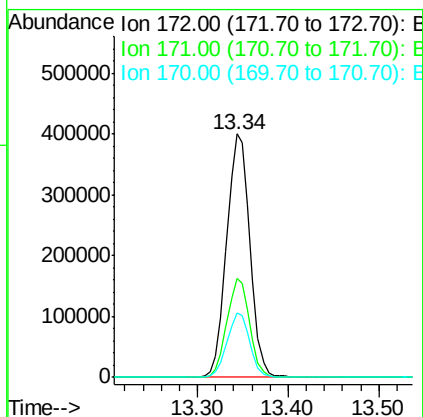
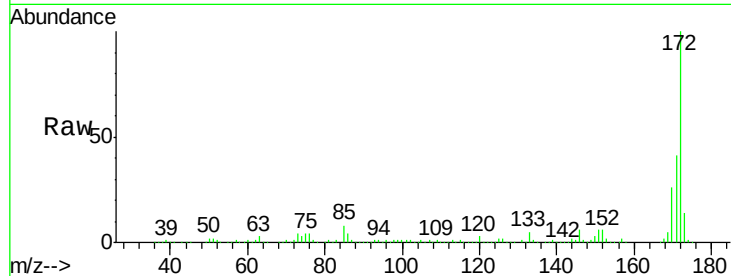




#44
2-Fluorobiphenyl
Concen: 109.58 ng
RT: 13.34 min Scan# 1788
Delta R.T. -0.00 min
Lab File: BG022327.D
Acq: 13 Jun 2016 16:57

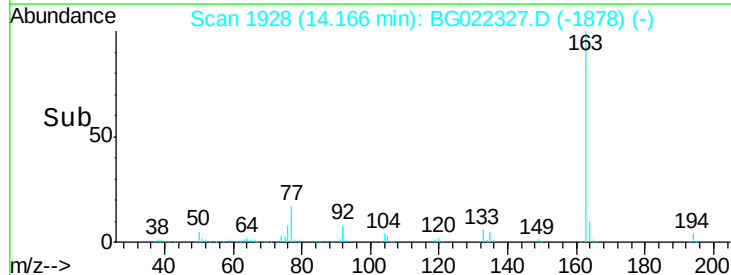
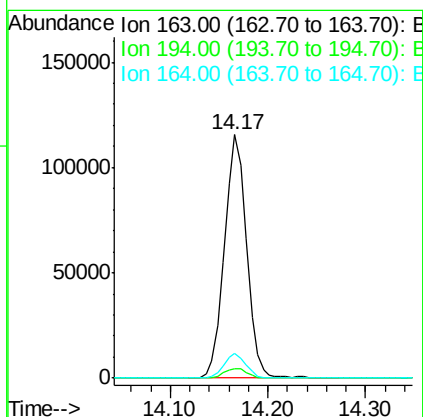
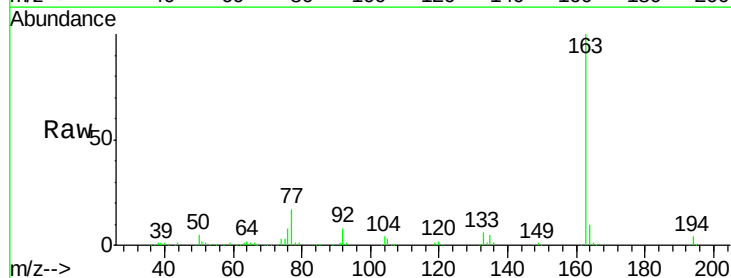
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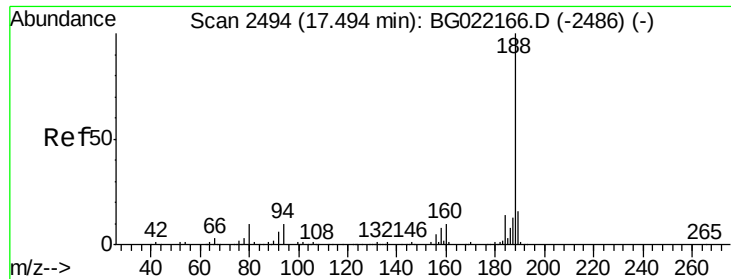
Tgt Ion:172 Resp: 715413
Ion Ratio Lower Upper
172 100
171 40.6 27.8 41.6
170 26.4 19.6 29.4



#49
Dimethylphthalate
Concen: 22.14 ng
RT: 14.17 min Scan# 1928
Delta R.T. -0.01 min
Lab File: BG022327.D
Acq: 13 Jun 2016 16:57

Tgt Ion:163 Resp: 182628
Ion Ratio Lower Upper
163 100
194 3.9 3.0 4.6
164 10.0 8.1 12.1





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.47 min Scan# 2490

Delta R.T. -0.00 min

Lab File: BG022327.D

Acq: 13 Jun 2016 16:57

Instrument :

BNA_G

ClientSampleId :

14-VE-PILE-WALL(0-2)

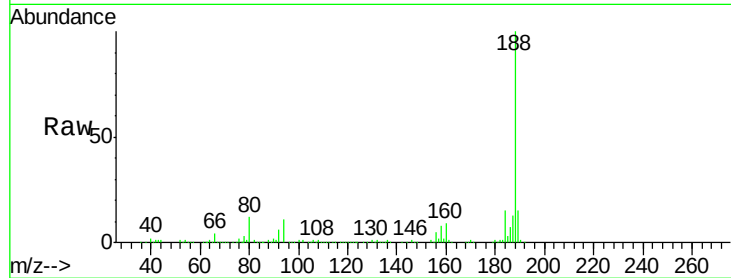
Tgt Ion:188 Resp: 187433

Ion Ratio Lower Upper

188 100

94 10.9 7.5 11.3

80 11.7 8.6 13.0



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

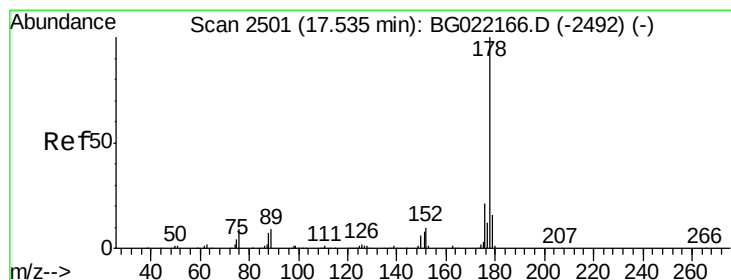
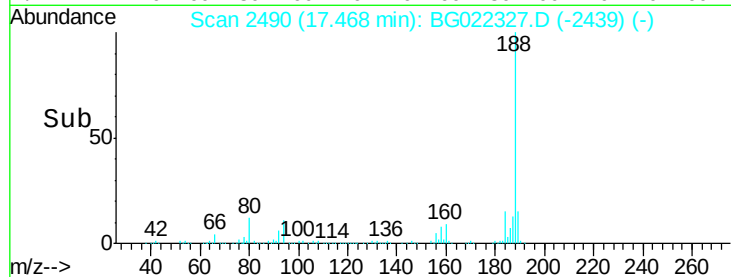
17.47

100000

50000

0

Time--> 17.40 17.50



#70

Phenanthrene

Concen: 2.96 ng

RT: 17.51 min Scan# 2497

Delta R.T. -0.00 min

Lab File: BG022327.D

Acq: 13 Jun 2016 16:57

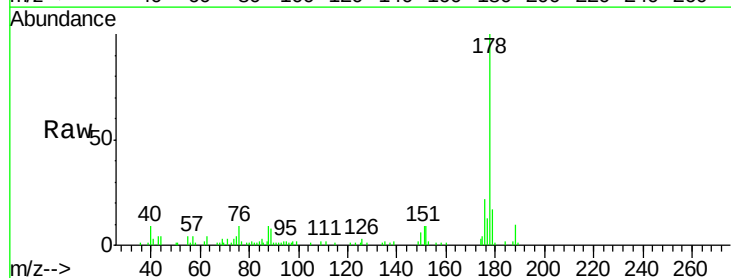
Tgt Ion:178 Resp: 30093

Ion Ratio Lower Upper

178 100

176 21.9 16.2 24.4

179 16.7 12.0 18.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

17.51

20000

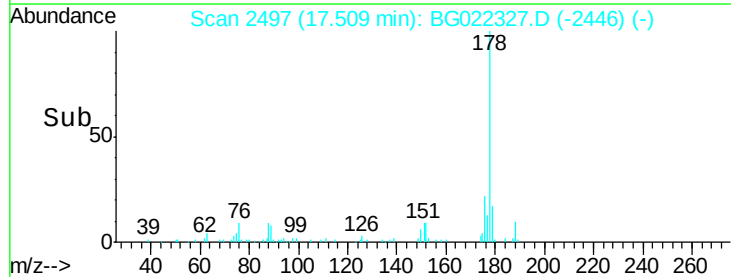
15000

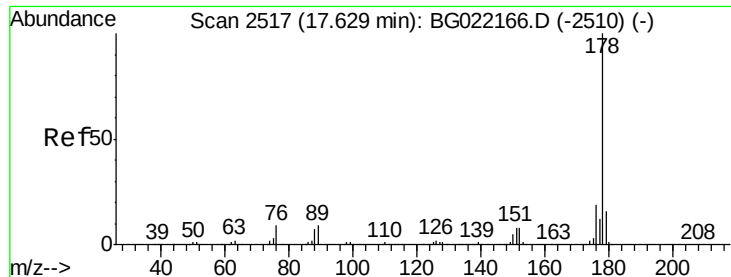
10000

5000

0

Time--> 17.45 17.50 17.55

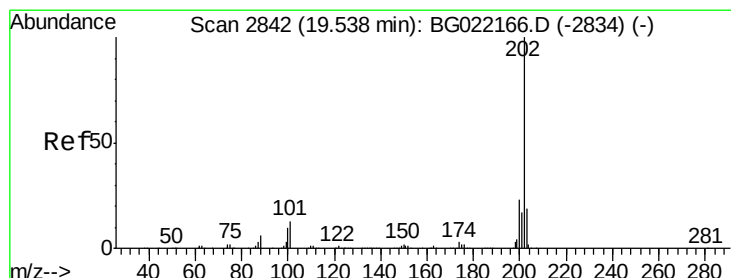
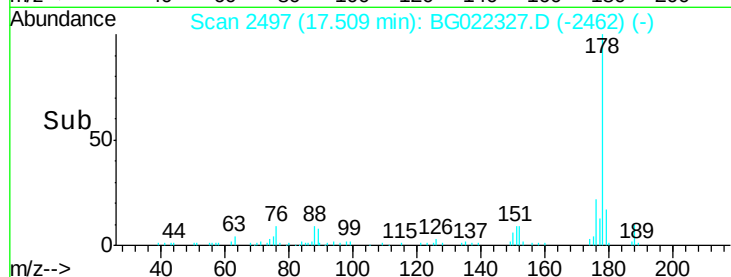
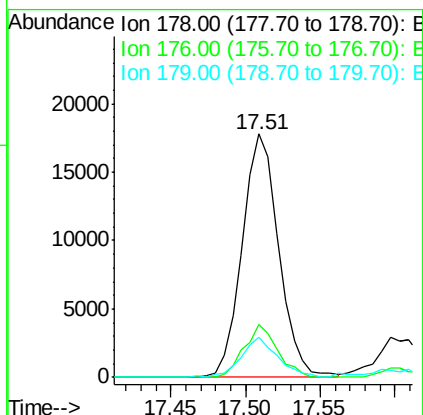
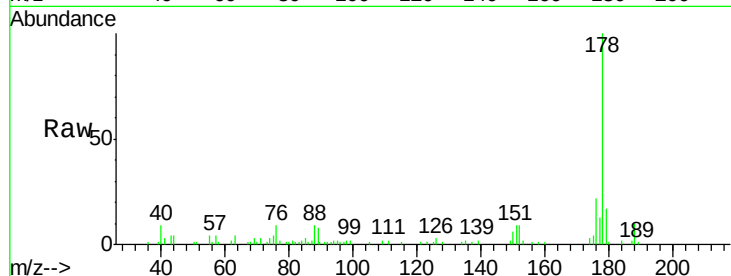




#71
 Anthracene
 Concen: 2.98 ng
 RT: 17.51 min Scan# 2497
 Delta R.T. -0.09 min
 Lab File: BG022327.D
 Acq: 13 Jun 2016 16:57

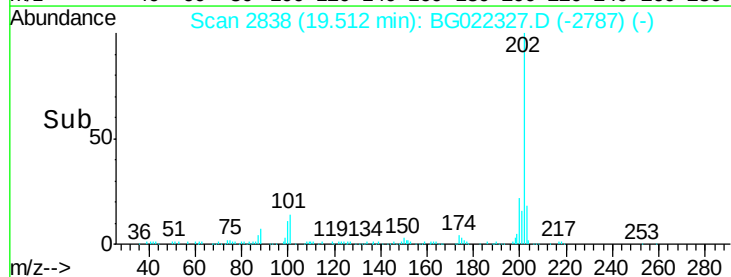
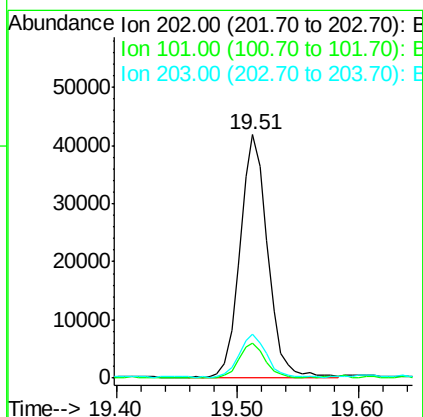
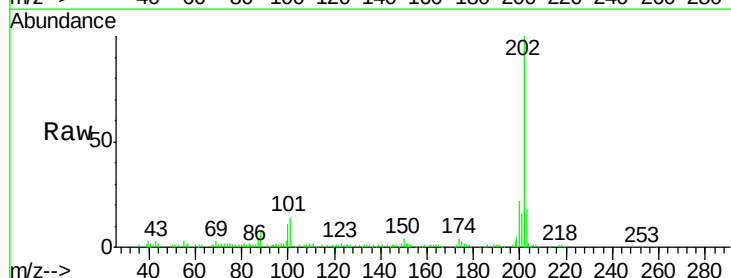
Instrument :
 BNA_G
 ClientSampleId :
 14-VE-PILE-WALL(0-2)

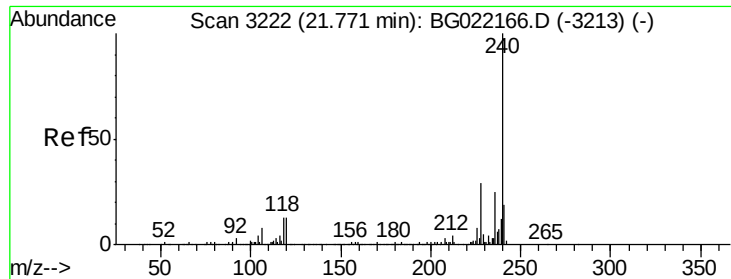
Tgt Ion:178 Resp: 30093
 Ion Ratio Lower Upper
 178 100
 176 21.9 15.0 22.4
 179 16.7 12.2 18.4



#74
 Fluoranthene
 Concen: 5.74 ng
 RT: 19.51 min Scan# 2838
 Delta R.T. -0.00 min
 Lab File: BG022327.D
 Acq: 13 Jun 2016 16:57

Tgt Ion:202 Resp: 67177
 Ion Ratio Lower Upper
 202 100
 101 14.3 0.0 31.0
 203 18.1 0.0 37.9

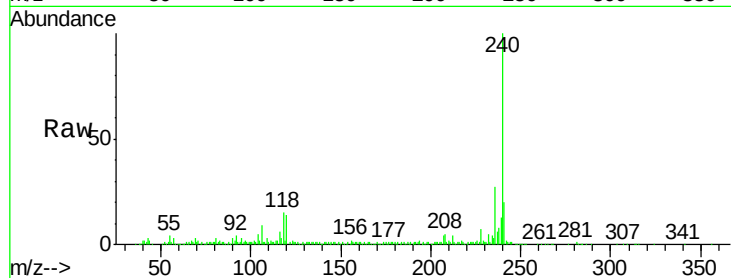




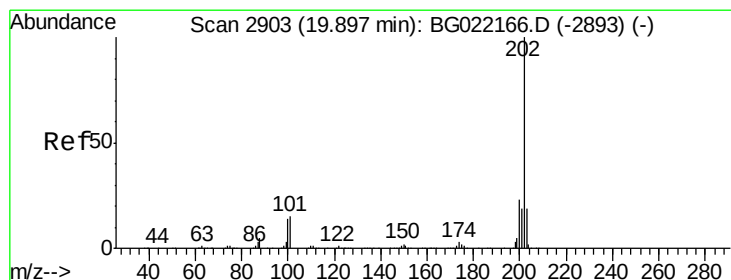
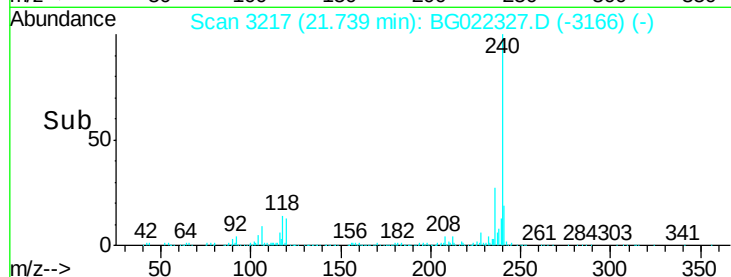
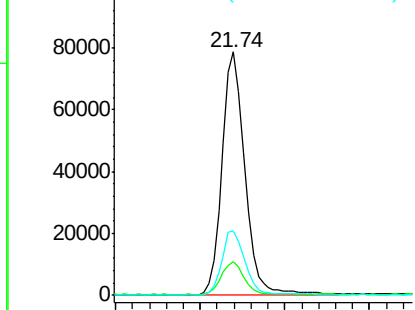
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.74 min Scan# 3217
 Delta R.T. -0.00 min
 Lab File: BG022327.D
 Acq: 13 Jun 2016 16:57

Instrument :
 BNA_G
 ClientSampleId :
 14-VE-PILE-WALL(0-2)

Tgt Ion:240 Resp: 149068
 Ion Ratio Lower Upper
 240 100
 120 13.6 8.4 12.6#
 236 26.6 19.6 29.4

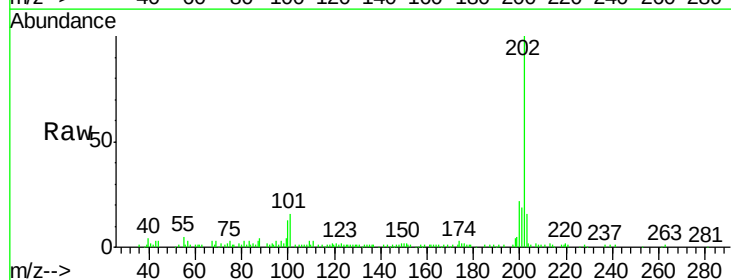


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

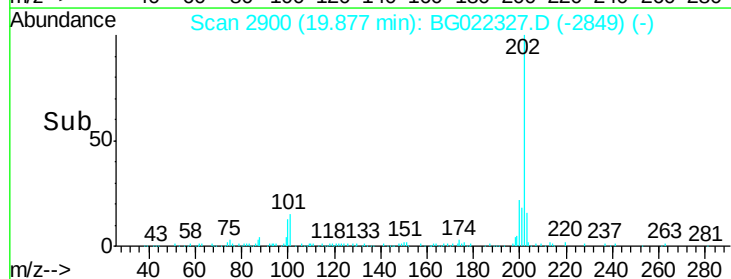
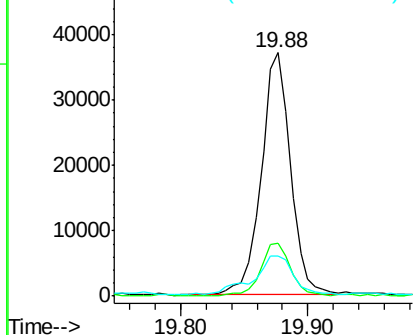


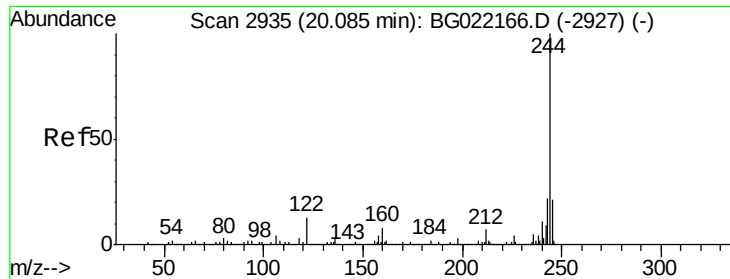
#77
 Pyrene
 Concen: 6.40 ng
 RT: 19.88 min Scan# 2900
 Delta R.T. -0.00 min
 Lab File: BG022327.D
 Acq: 13 Jun 2016 16:57

Tgt Ion:202 Resp: 59291
 Ion Ratio Lower Upper
 202 100
 200 21.7 18.2 27.2
 203 16.4 15.0 22.4



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 108.06 ng

RT: 20.06 min Scan# 2932

Delta R.T. 0.01 min

Lab File: BG022327.D

Acq: 13 Jun 2016 16:57

Instrument :

BNA_G

ClientSampleId :

14-VE-PILE-WALL(0-2)

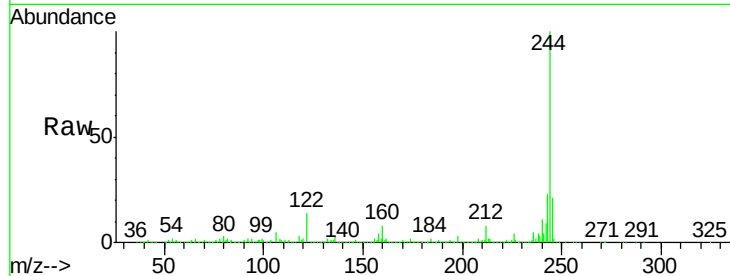
Tgt Ion:244 Resp: 678524

Ion Ratio Lower Upper

244 100

212 7.9 6.5 9.7

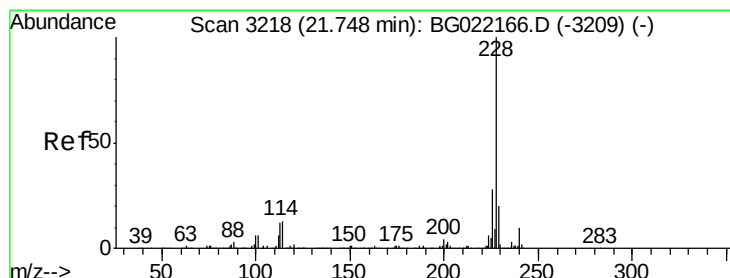
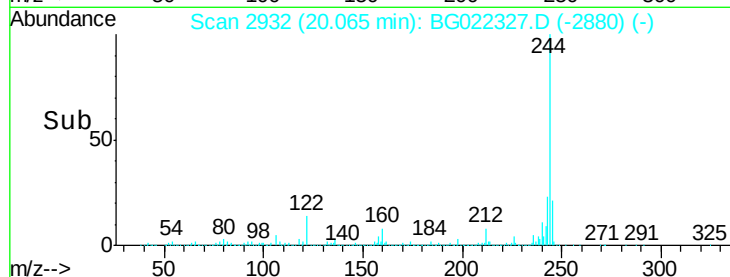
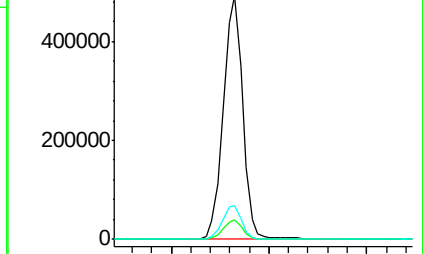
122 13.7 8.6 12.8#



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



#80

Benzo(a)anthracene

Concen: 3.43 ng

RT: 21.72 min Scan# 3213

Delta R.T. -0.01 min

Lab File: BG022327.D

Acq: 13 Jun 2016 16:57

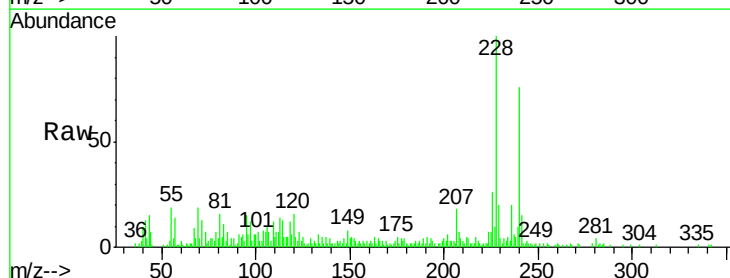
Tgt Ion:228 Resp: 28673

Ion Ratio Lower Upper

228 100

226 25.7 22.6 34.0

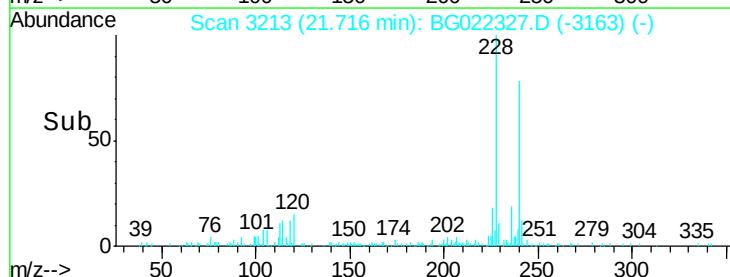
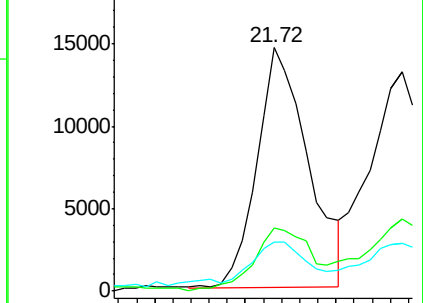
229 20.1 16.1 24.1

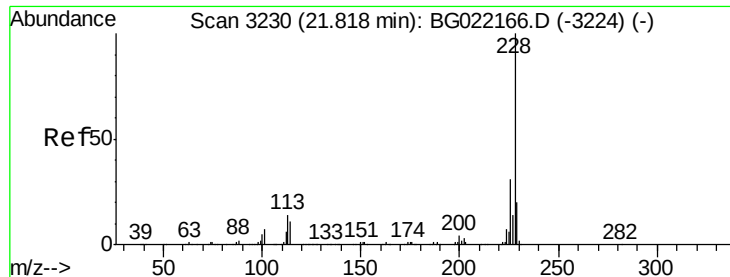


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.50 ng

RT: 21.79 min Scan# 3225

Delta R.T. -0.00 min

Lab File: BG022327.D

Acq: 13 Jun 2016 16:57

Instrument :

BNA_G

ClientSampleId :

14-VE-PILE-WALL(0-2)

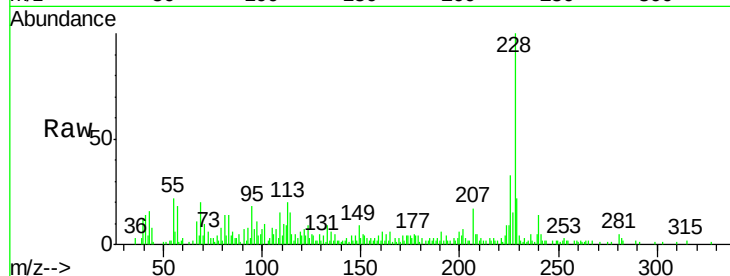
Tgt Ion:228 Resp: 28450

Ion Ratio Lower Upper

228 100

226 33.0 25.4 38.0

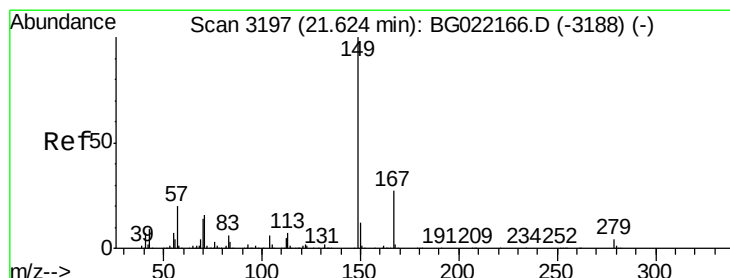
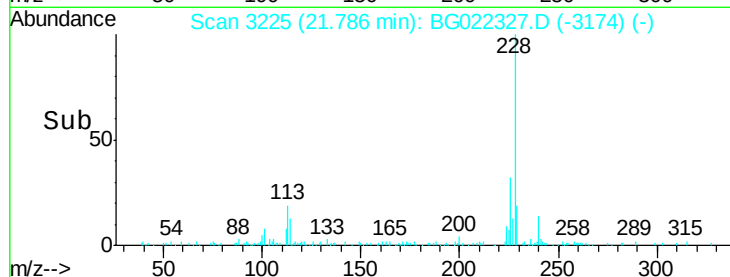
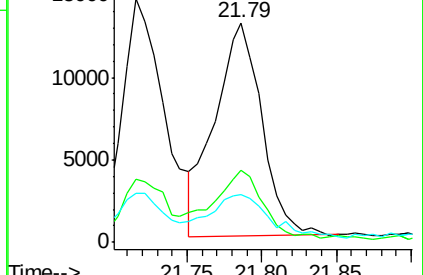
229 22.0 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 5.04 ng

RT: 21.60 min Scan# 3193

Delta R.T. 0.01 min

Lab File: BG022327.D

Acq: 13 Jun 2016 16:57

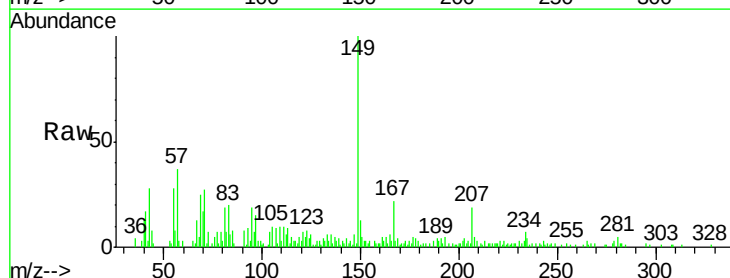
Tgt Ion:149 Resp: 31853

Ion Ratio Lower Upper

149 100

167 21.8 22.4 33.6#

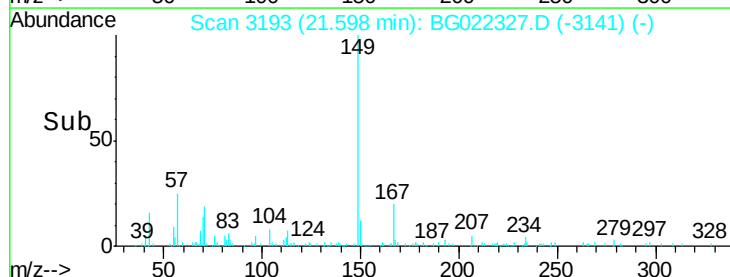
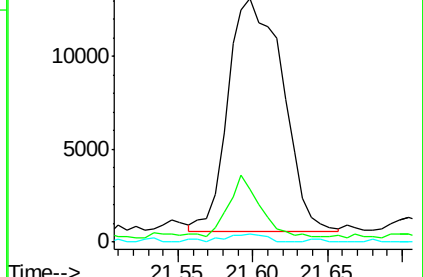
279 3.1 3.2 4.8#

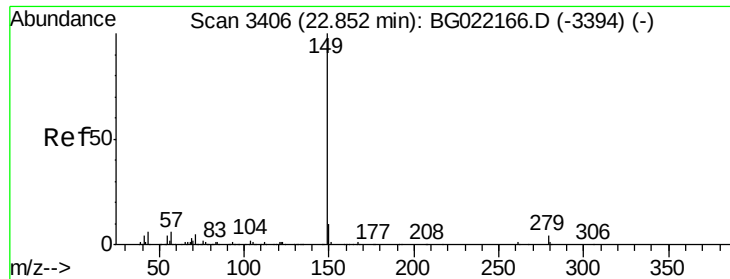


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

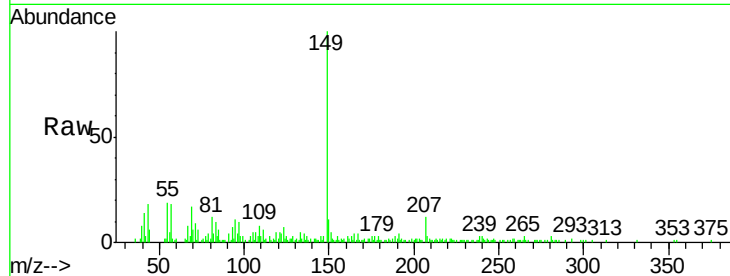




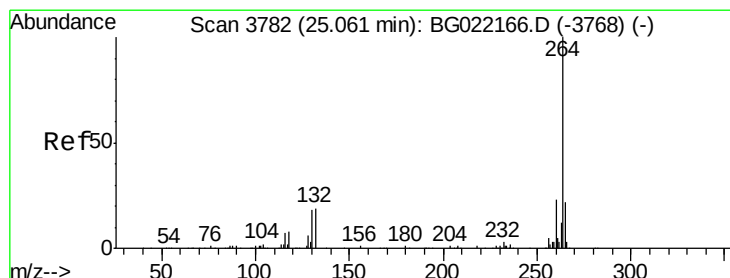
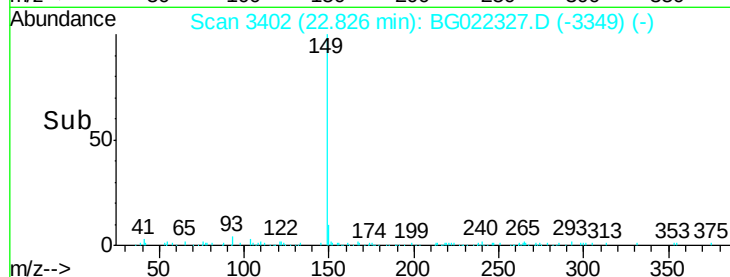
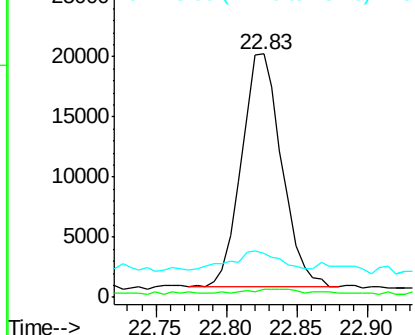
#84
Di-n-octyl phthalate
Concen: 3.68 ng
RT: 22.83 min Scan# 3402
Delta R.T. 0.01 min
Lab File: BG022327.D
Acq: 13 Jun 2016 16:57

Instrument :
BNA_G
ClientSampleId :
14-VE-PILE-WALL(0-2)

Tgt Ion:149 Resp: 38656
Ion Ratio Lower Upper
149 100
167 3.5 1.3 1.9#
43 11.0 9.8 14.6

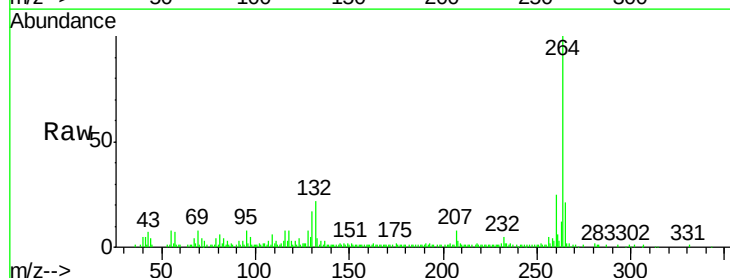


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): B

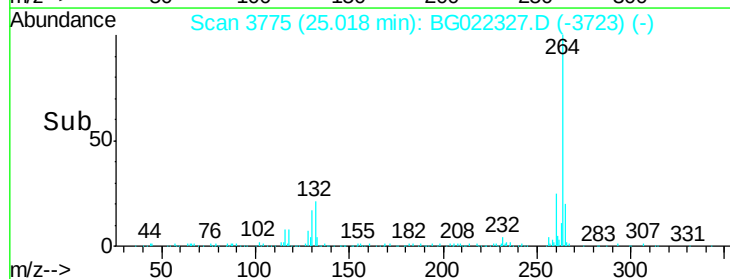
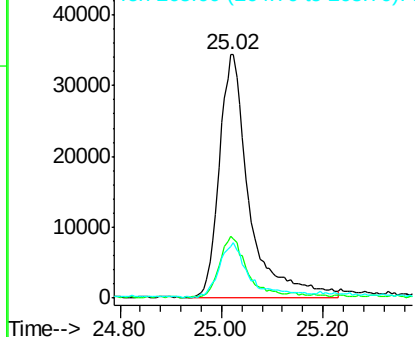


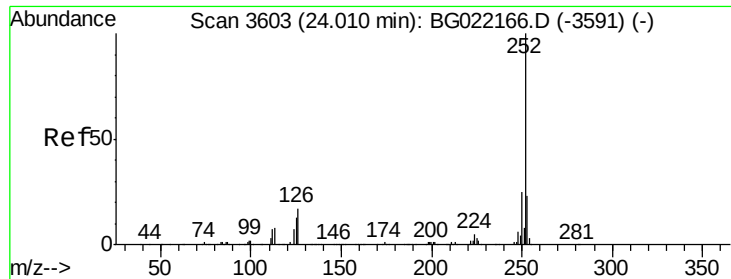
#86
Perylene-d12
Concen: 20.00 ng
RT: 25.02 min Scan# 3775
Delta R.T. 0.01 min
Lab File: BG022327.D
Acq: 13 Jun 2016 16:57

Tgt Ion:264 Resp: 142037
Ion Ratio Lower Upper
264 100
260 25.2 20.2 30.4
265 21.1 17.8 26.8



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





#87

Benzo(b)fluoranthene

Concen: 4.94 ng

RT: 23.98 min Scan# 3598

Delta R.T. 0.01 min

Lab File: BG022327.D

Acq: 13 Jun 2016 16:57

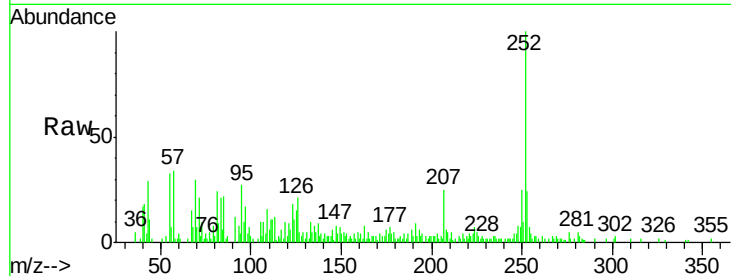
Instrument :

BNA_G

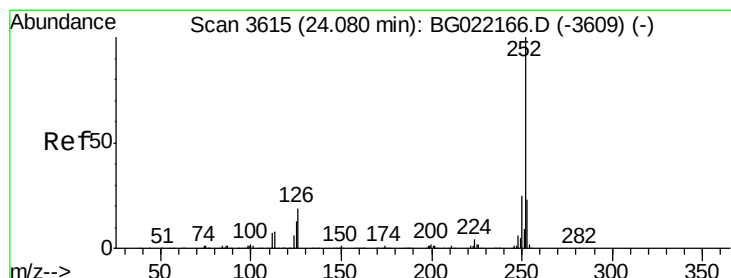
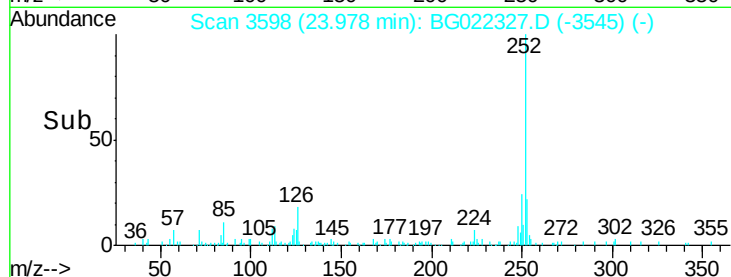
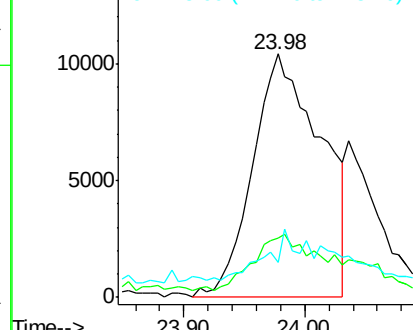
ClientSampleId :

14-VE-PILE-WALL(0-2)

Tgt Ion:	252	Resp:	40899
Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.5	26.3
125	14.5	8.6	13.0#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 5.02 ng

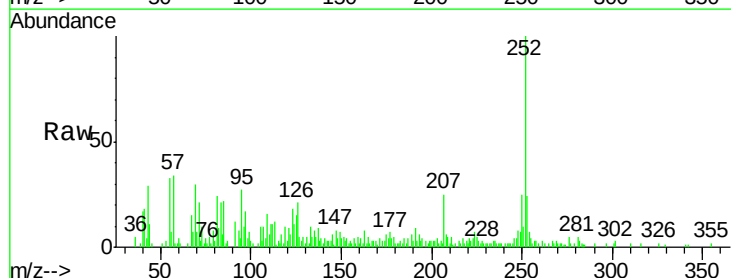
RT: 23.98 min Scan# 3598

Delta R.T. -0.06 min

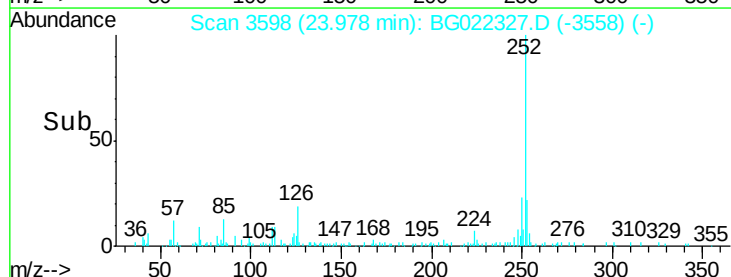
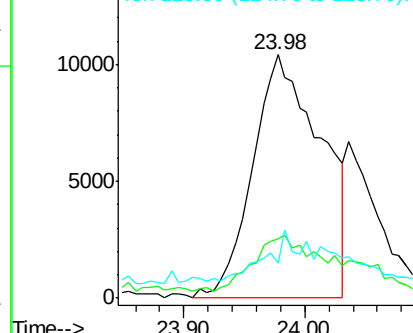
Lab File: BG022327.D

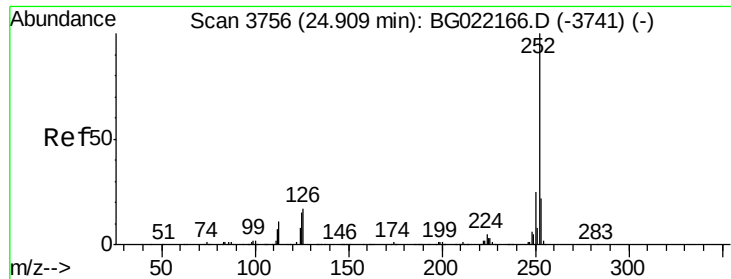
Acq: 13 Jun 2016 16:57

Tgt Ion:	252	Resp:	40899
Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.8	26.8
125	14.5	8.3	12.5#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.59 ng

RT: 24.87 min Scan# 3749

Delta R.T. 0.01 min

Lab File: BG022327.D

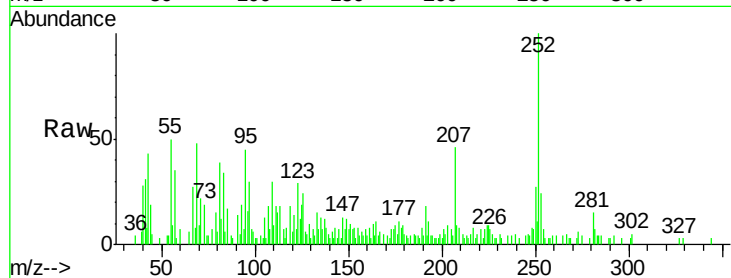
Acq: 13 Jun 2016 16:57

Instrument :

BNA_G

ClientSampleId :

14-VE-PILE-WALL(0-2)



Tgt Ion:	252	Resp:	20483
Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.1	25.7
125	19.4	9.6	14.4

