

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 18:33:00 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

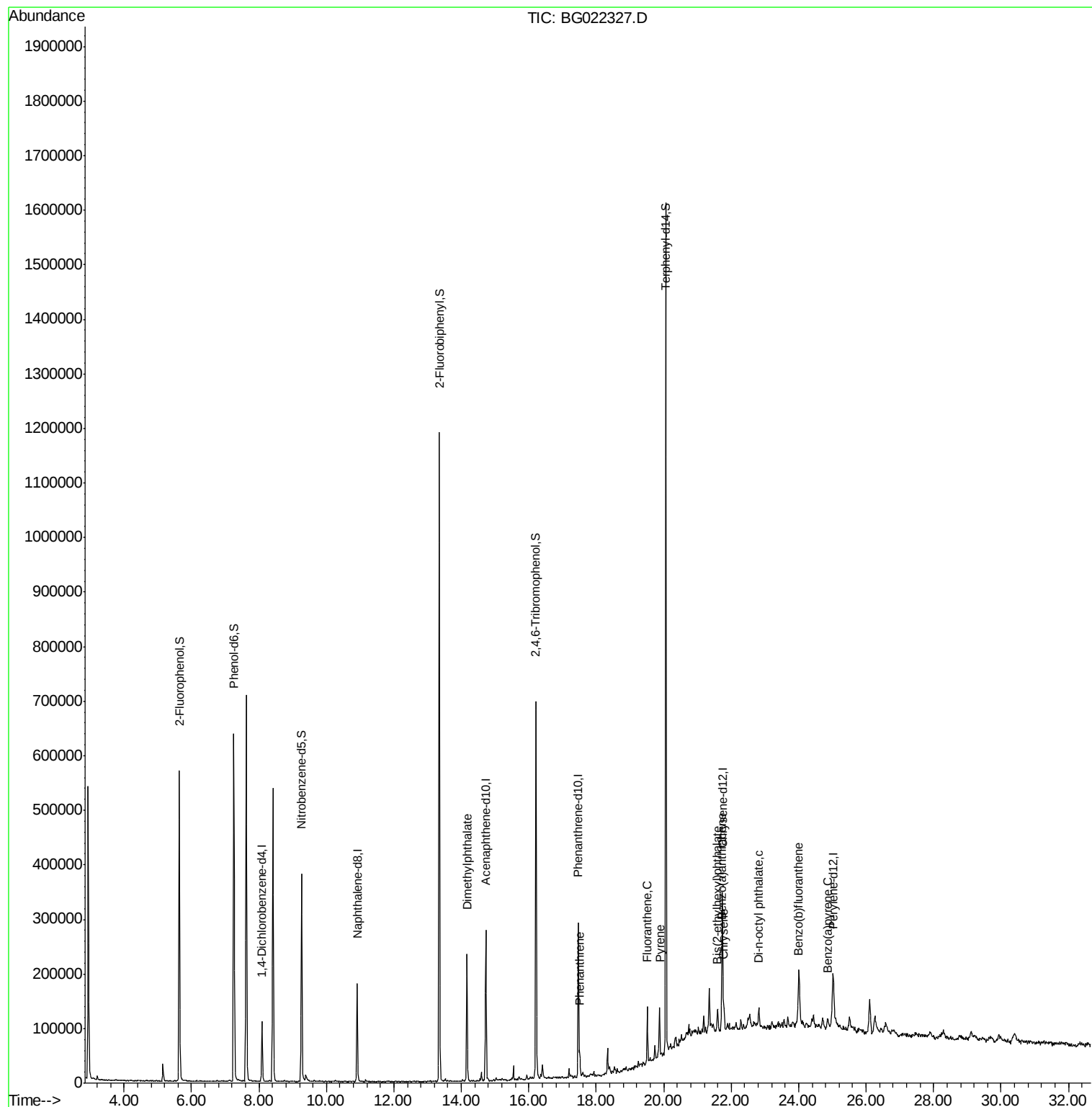
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	39668	20.00	ng	0.00
21) Naphthalene-d8	10.91	136	191710	20.00	ng	0.00
38) Acenaphthene-d10	14.72	164	99496	20.00	ng	0.00
63) Phenanthrene-d10	17.47	188	187433	20.00	ng	0.00
75) Chrysene-d12	21.74	240	149068	20.00	ng	0.00
86) Perylene-d12	25.02	264	142037	20.00	ng	0.00
System Monitoring Compounds						
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						Qvalue
49) Dimethylphthalate	14.17	163	182628	22.14	ng	100
70) Phenanthrene	17.51	178	30093	2.96	ng	96
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	31213m	3.84	ng	
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
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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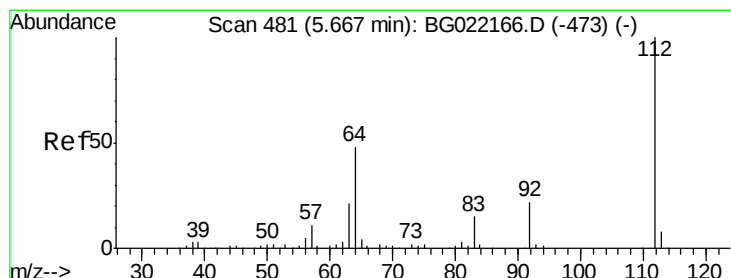
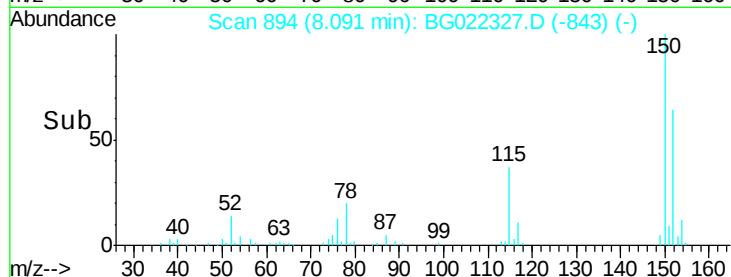
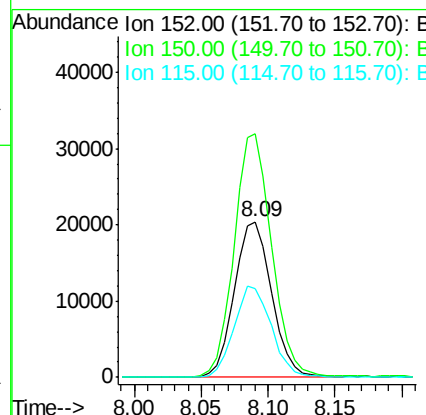
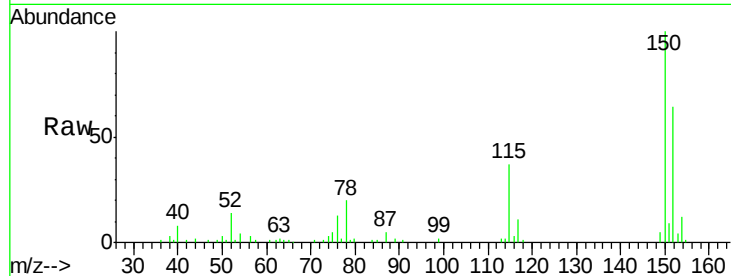


#1

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)

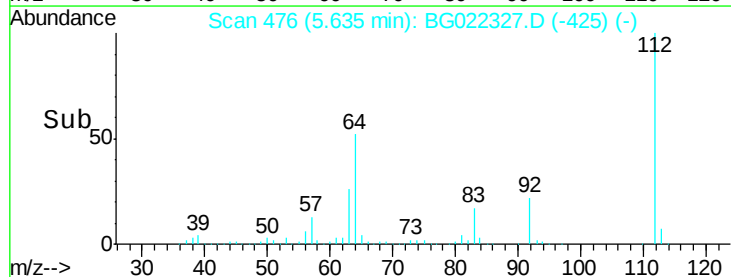
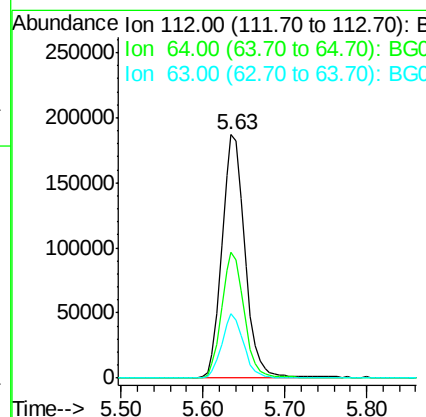
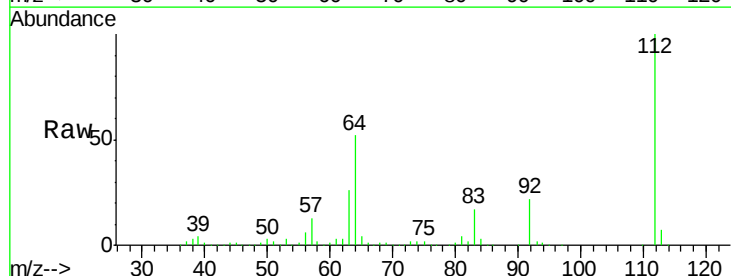
Tot Ion:152 Resp: 39668
Ion Ratio Lower Upper
152 100
150 156.2 130.1 195.1
115 57.2 62.2 93.2#

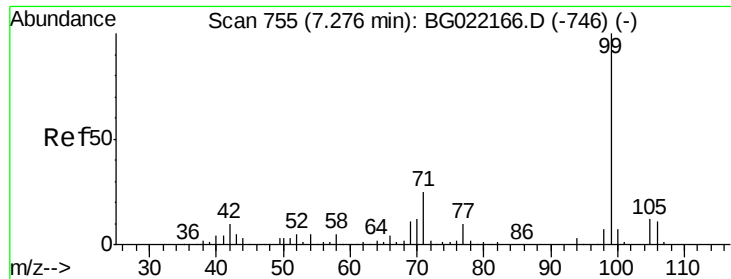


#5

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)

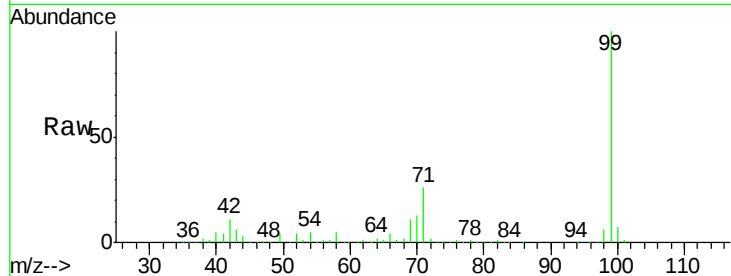
Tot Ion: 99 Resp: 542403

Ion Ratio Lower Upper

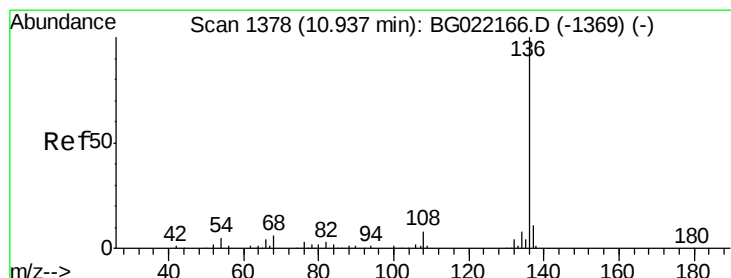
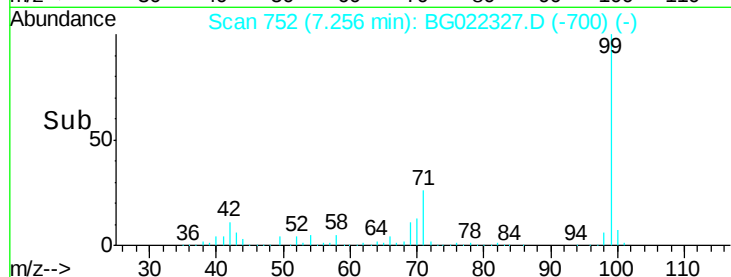
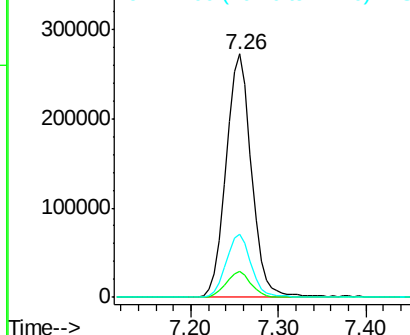
99 100

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



#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

Tgt Ion: 136 Resp: 191710

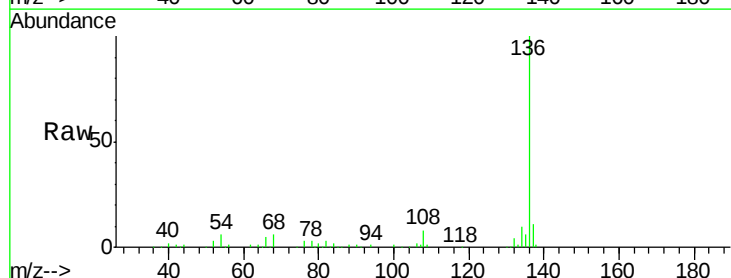
Ion Ratio Lower Upper

136 100

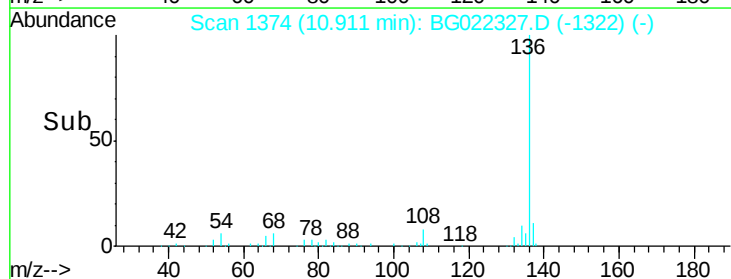
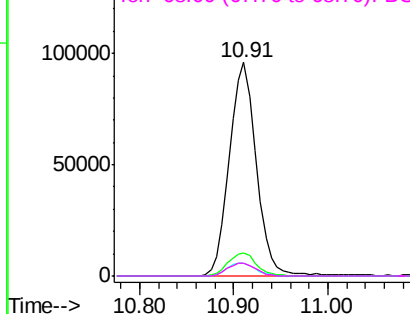
137 11.1 9.0 13.4

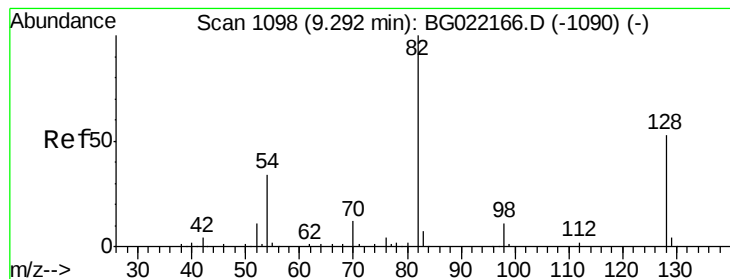
54 6.2 9.6 14.4#

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

Instrument :

BNA_G

ClientSampleId :

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

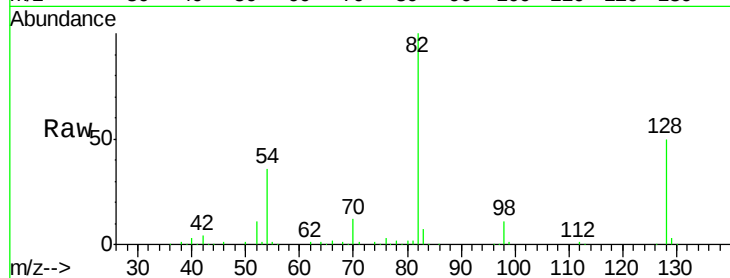
Tot Ion: 82 Resp: 303124

Ion Ratio Lower Upper

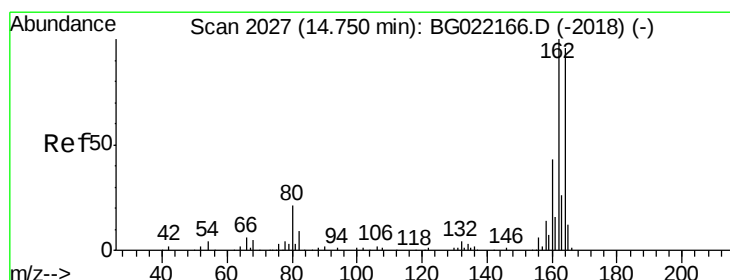
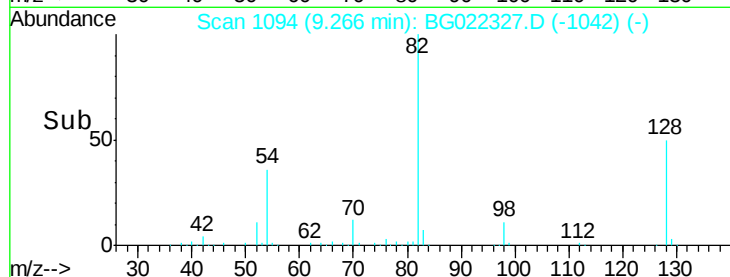
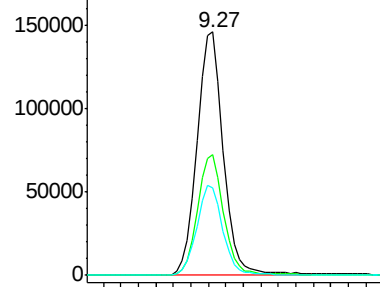
82 100

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

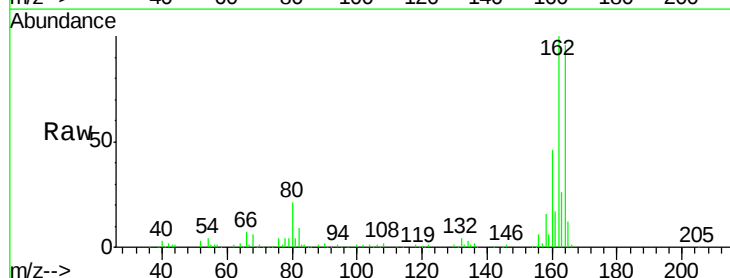
Tgt Ion:164 Resp: 99496

Ion Ratio Lower Upper

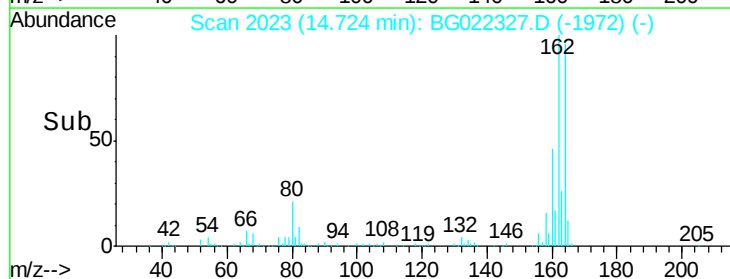
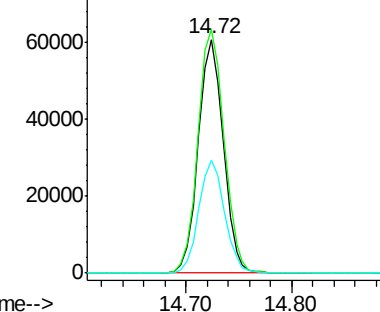
164 100

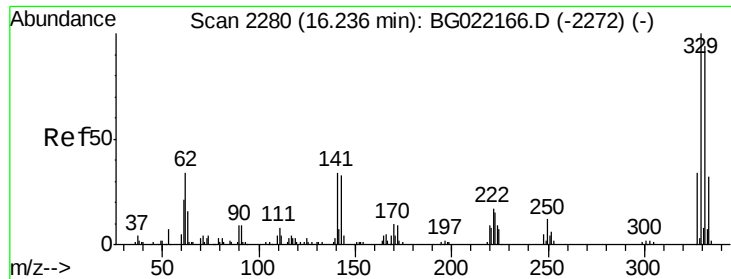
162 104.1 78.0 117.0

160 48.3 32.9 49.3



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

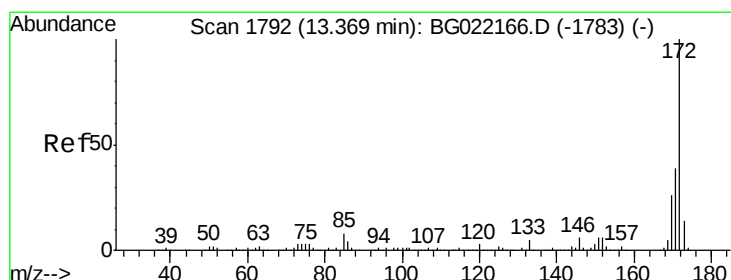
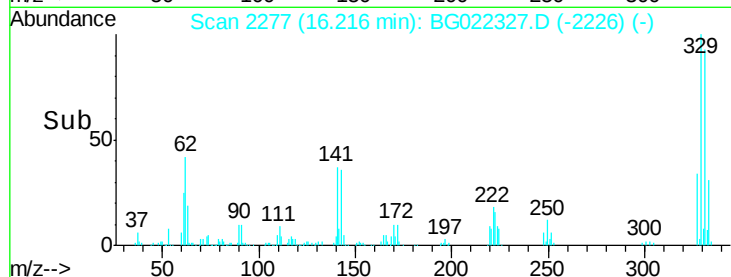
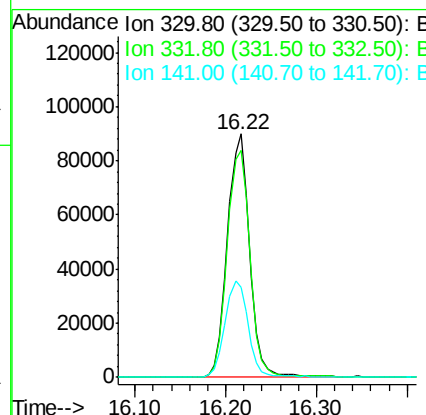
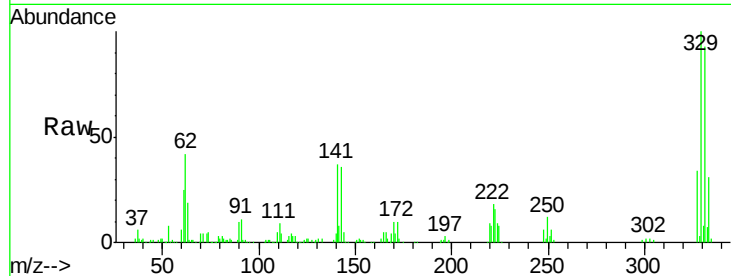




#41
 2,4,6-Tribromophenol
 Concen: 136.57 ng
 RT: 16.22 min Scan# 2277
 Delta R.T. -0.00 min
 Lab File: BG022327.D
 Acq: 13 Jun 2016 16:57

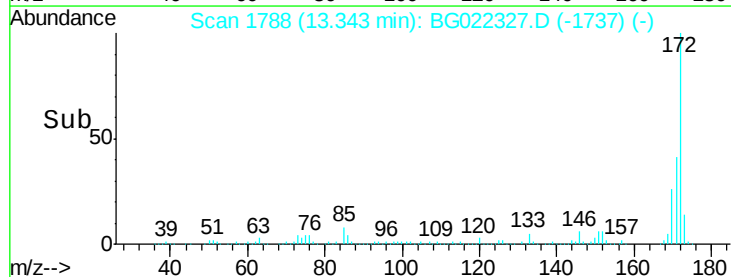
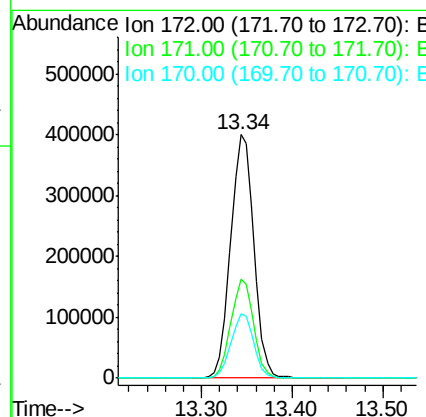
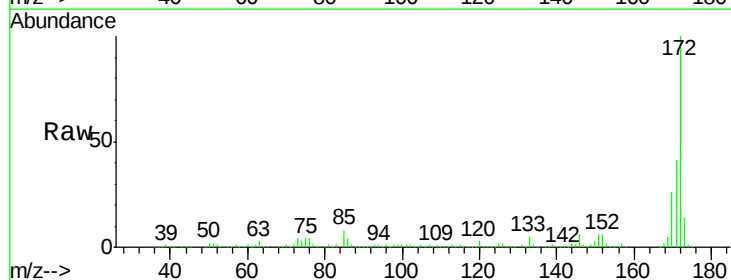
Instrument :
 BNA_G
 ClientSampleId :
 14-VE-PILE-WALL(0-2)

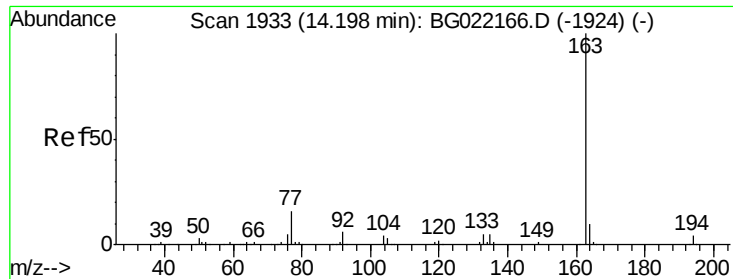
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	78.0	117.0
141	41.4	33.8	50.8



#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

Tgt 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

Instrument :

BNA_G

ClientSampleId :

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

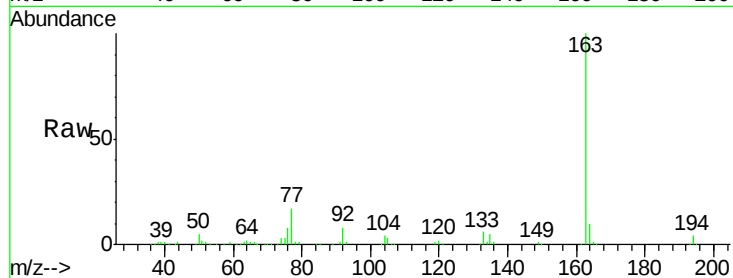
Tot Ion:163 Resp: 182628

Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

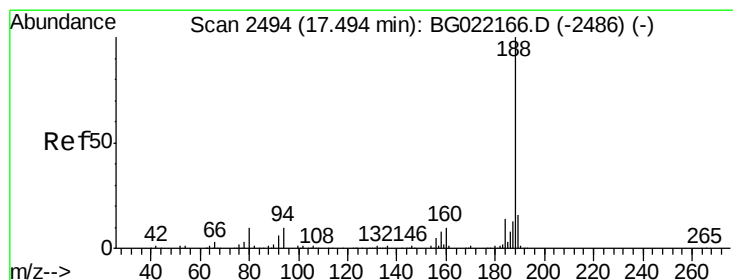
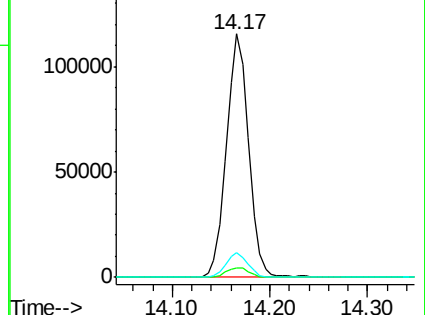
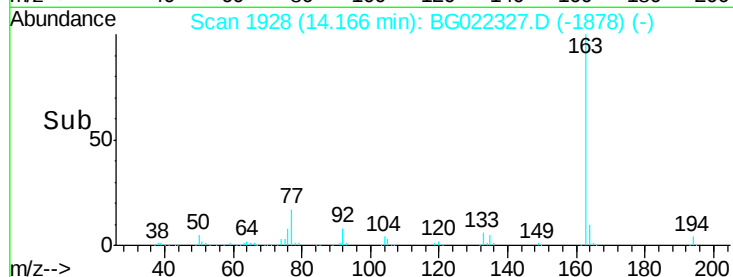
164 10.0 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#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

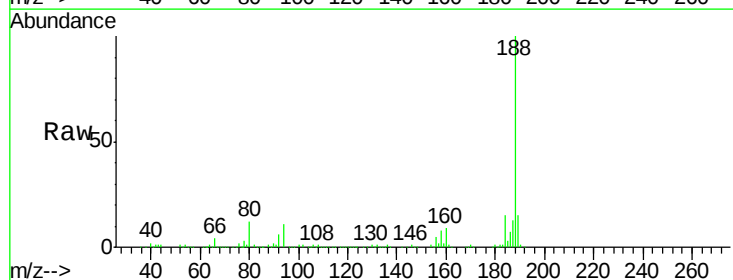
Tgt Ion:188 Resp: 187433

Ion Ratio Lower Upper

188 100

94 10.9 7.5 11.3

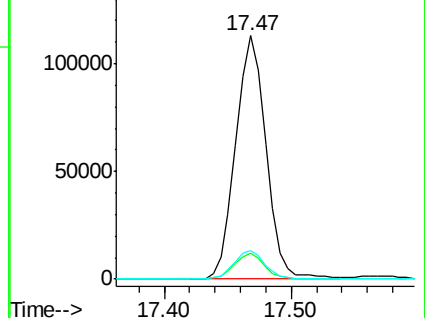
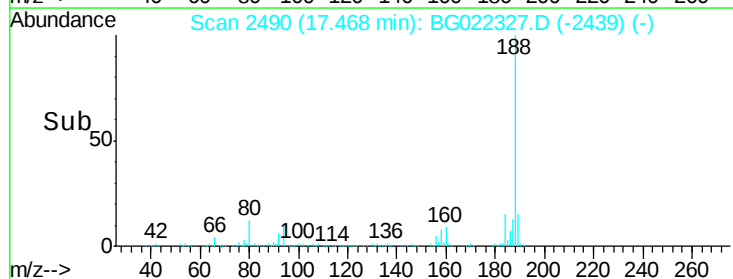
80 11.7 8.6 13.0

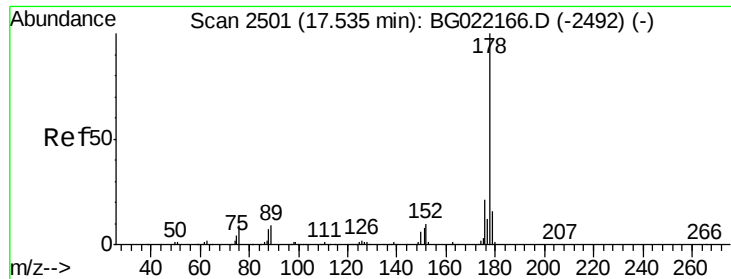


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0





#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

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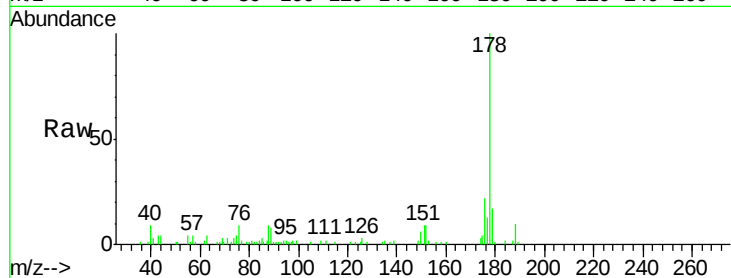
Tot Ion:178 Resp: 30093

Ion Ratio Lower Upper

178 100

176 21.9 16.2 24.4

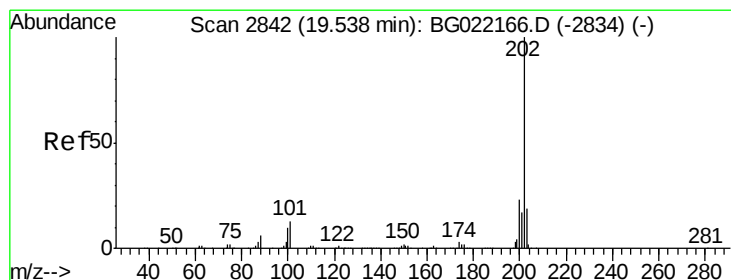
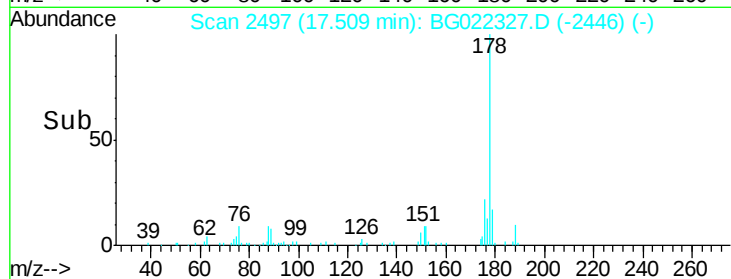
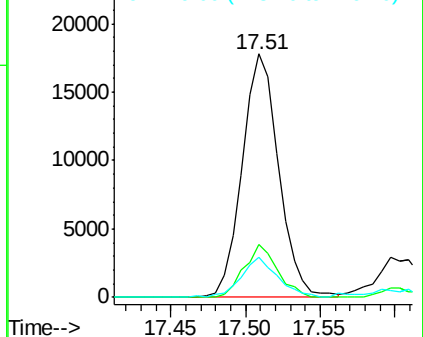
179 16.7 12.0 18.0



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



#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

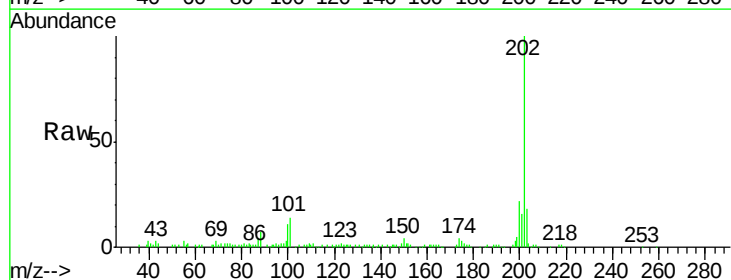
Tgt Ion:202 Resp: 67177

Ion Ratio Lower Upper

202 100

101 14.3 0.0 31.0

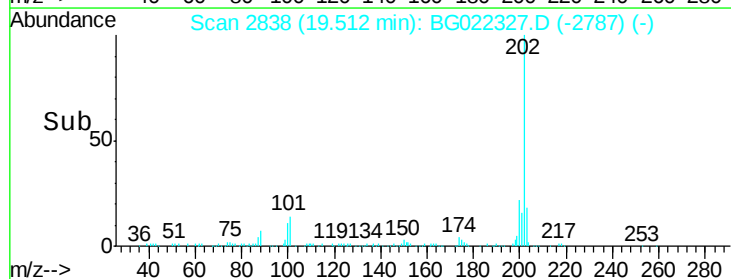
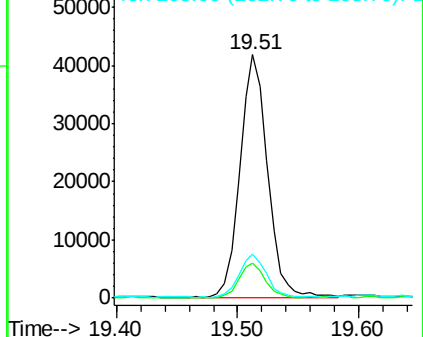
203 18.1 0.0 37.9

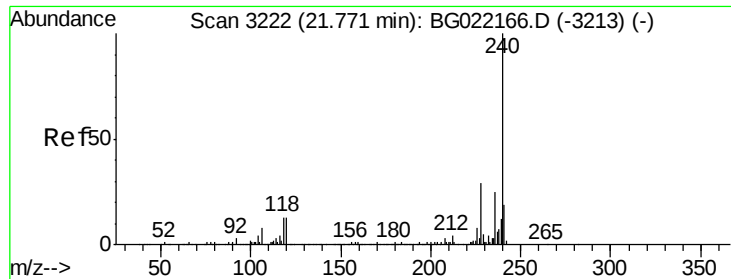


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#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 :

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ClientSampleId :

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

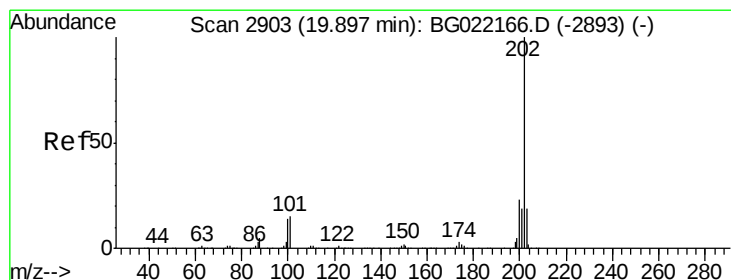
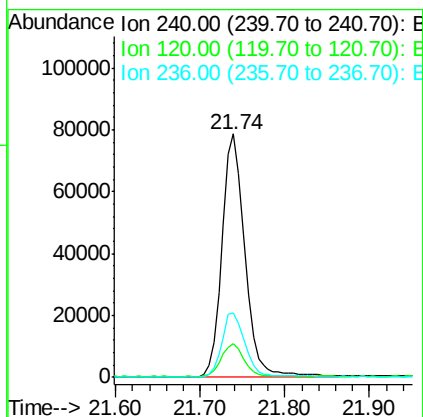
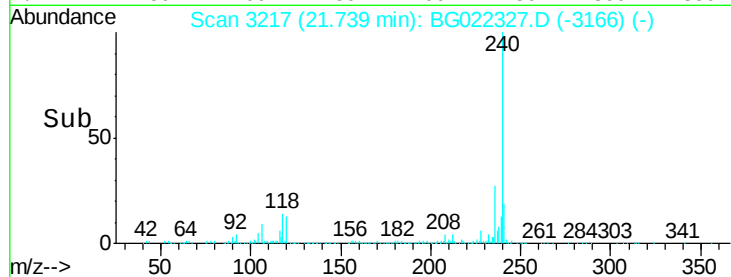
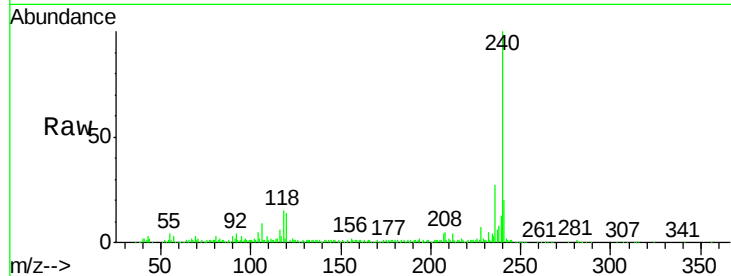
Tot Ion:240 Resp: 149068

Ion Ratio Lower Upper

240 100

120 13.6 8.4 12.6#

236 26.6 19.6 29.4



#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

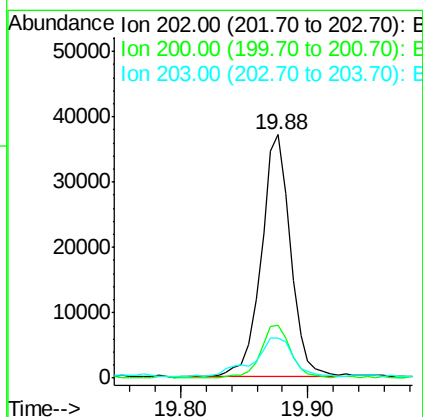
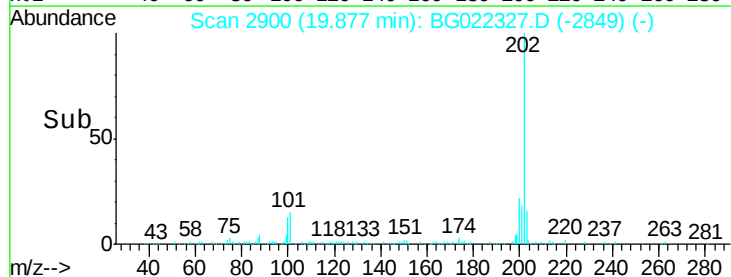
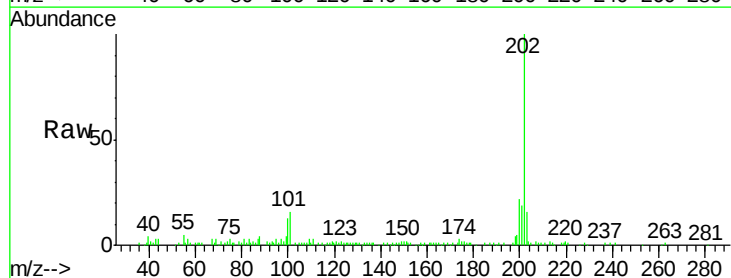
Tgt Ion:202 Resp: 59291

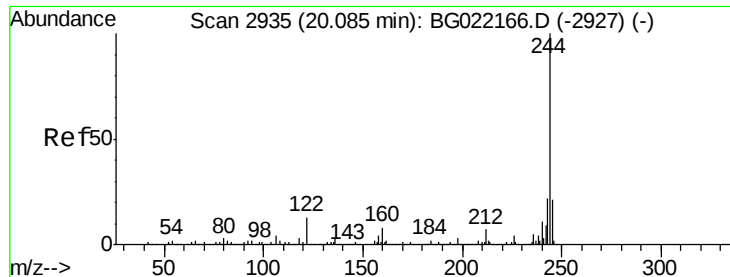
Ion Ratio Lower Upper

202 100

200 21.7 18.2 27.2

203 16.4 15.0 22.4





#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)

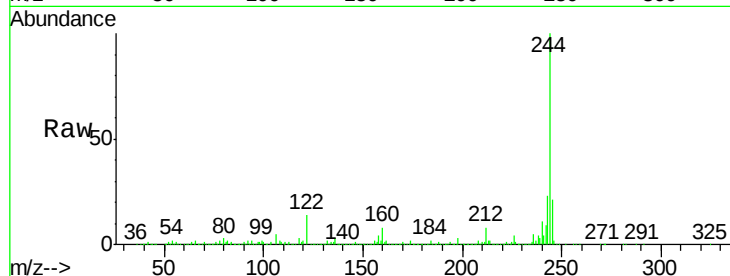
Tot Ion:244 Resp: 678524

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

20.06

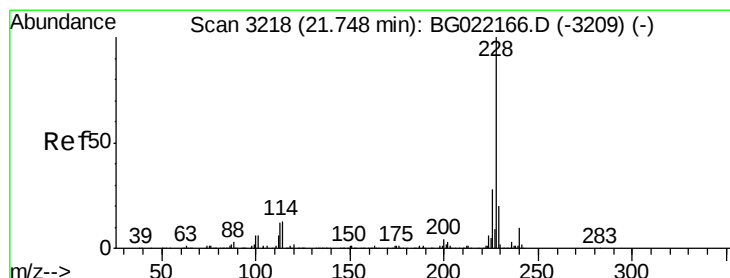
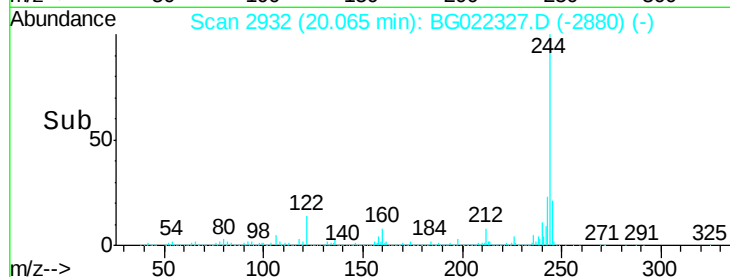
400000

200000

0

Time-->

20.00 20.10 20.20



#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

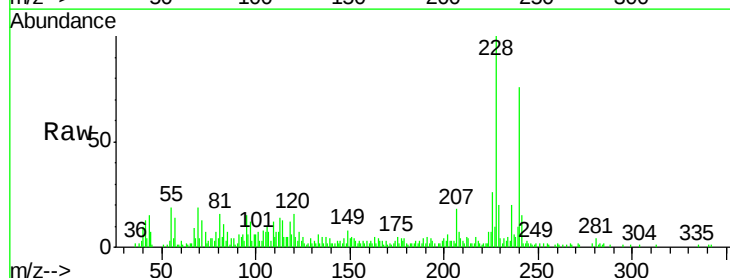
Tgt Ion:228 Resp: 28673

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

21.72

20000

15000

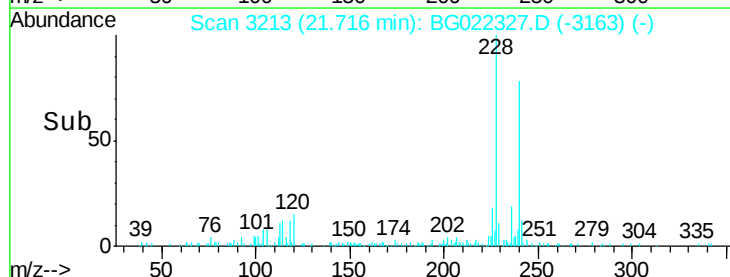
10000

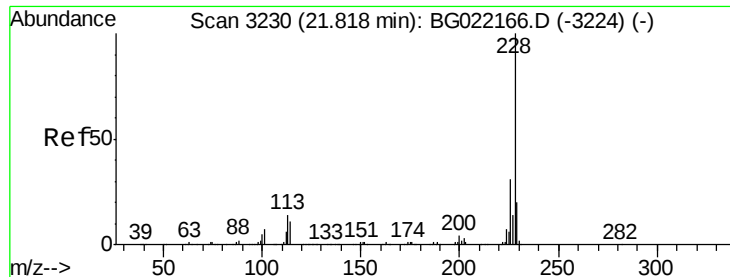
5000

0

Time-->

21.65 21.70 21.75





#82

Chrysene

Concen: 3.84 ng/mL

RT: 21.79 min Scan# 3225

Delta R.T. -0.00 min

Lab File: BG022327.D

Acq: 13 Jun 2016 16:57

Instrument :

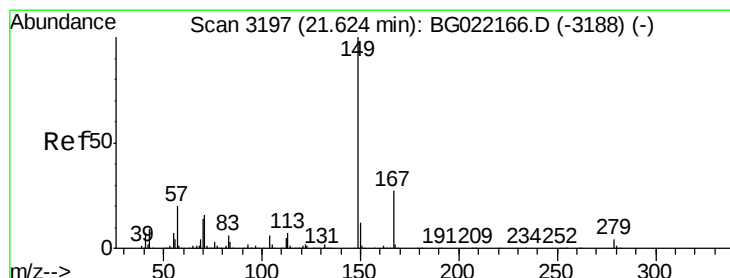
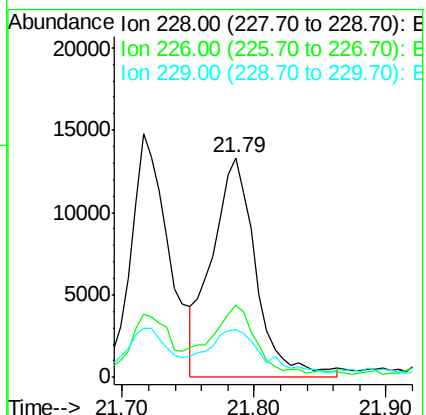
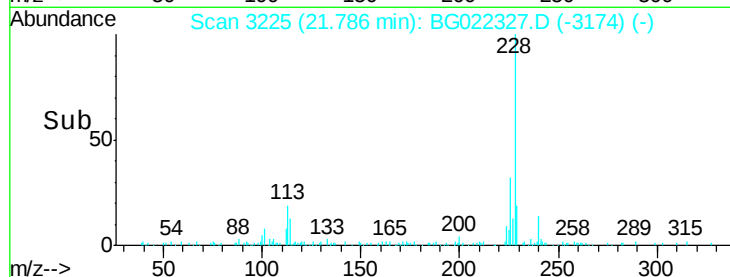
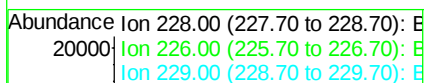
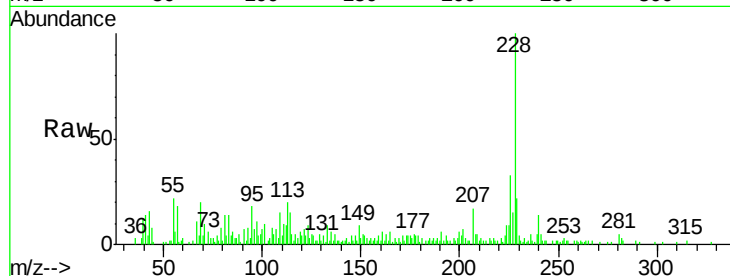
BNA_G

ClientSampleId :

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

Tot Ion:228 Resp: 31213

Ion	Ratio	Lower	Upper
228	100		
226	33.0	25.4	38.0
229	22.0	15.9	23.9



#83

Bis(2-ethylhexyl)phthalate

Concen: 5.04 ng/mL

RT: 21.60 min Scan# 3193

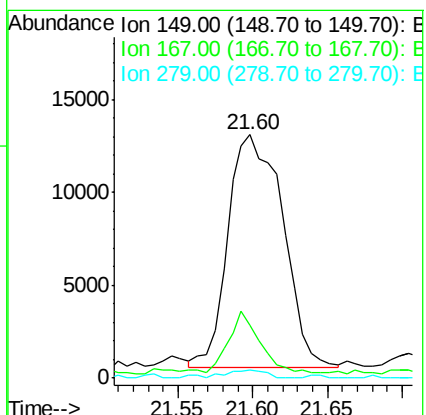
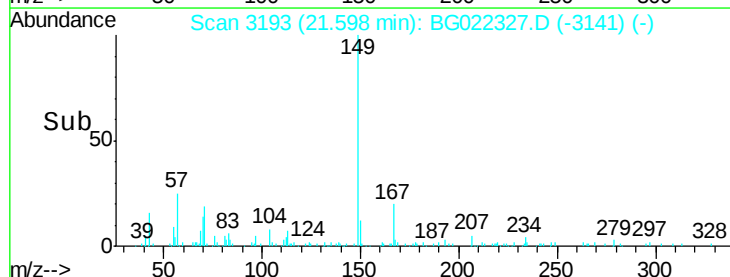
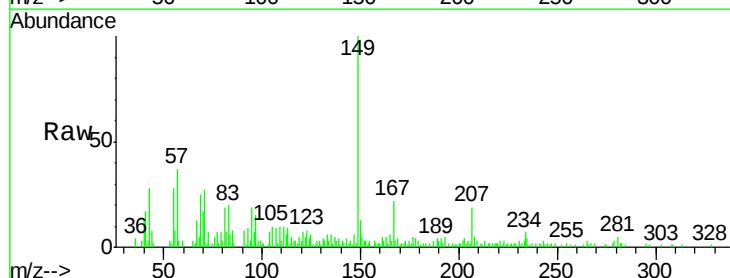
Delta R.T. 0.01 min

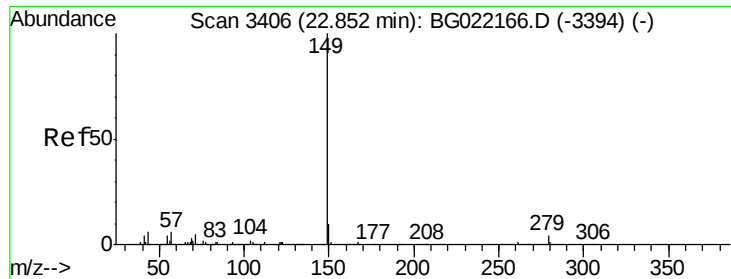
Lab File: BG022327.D

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#

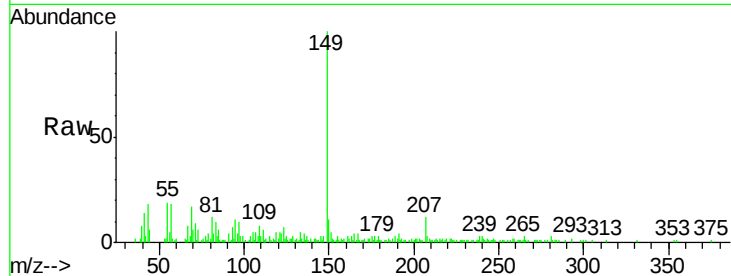




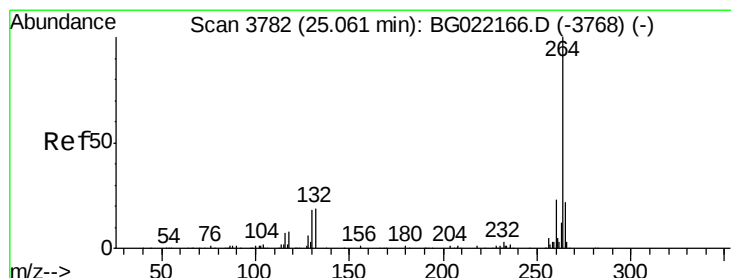
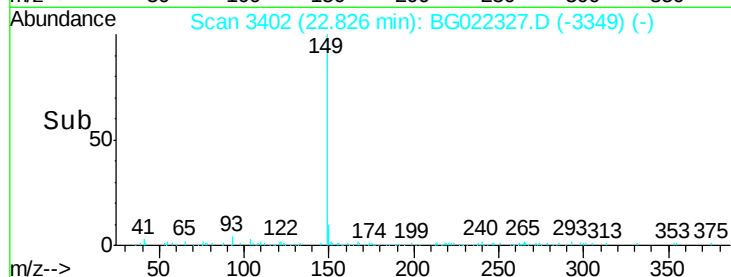
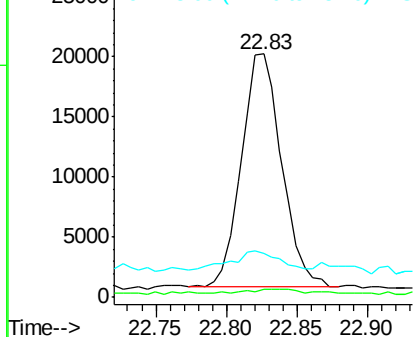
#84
Di-n-octyl phthalate
Concen: 3.68 ng
RT: 22.83 min Scan# 3402
Delta R.T. 0.01 min
Lab File: BG022327.D
Acq: 13 Jun 2016 16:57

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

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

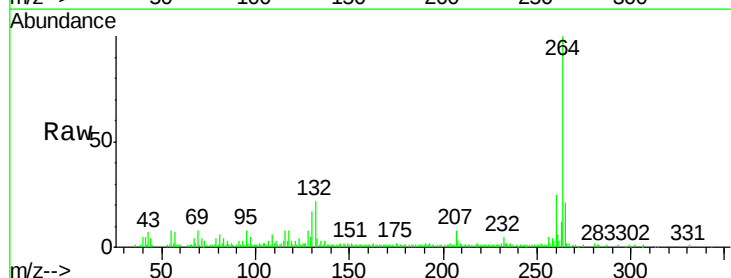


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): B

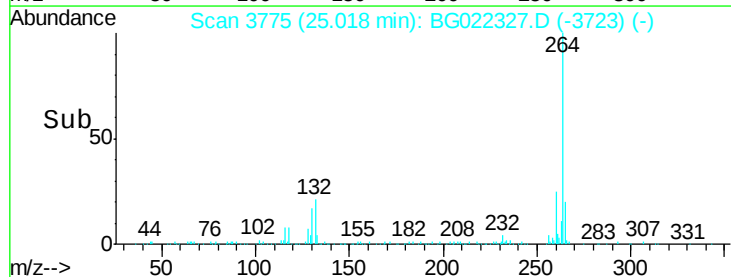
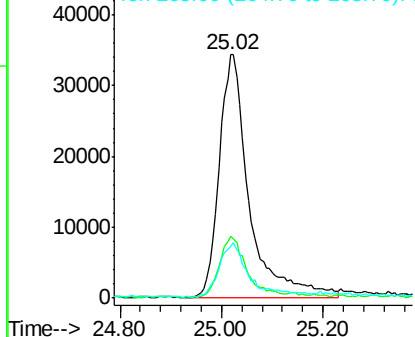


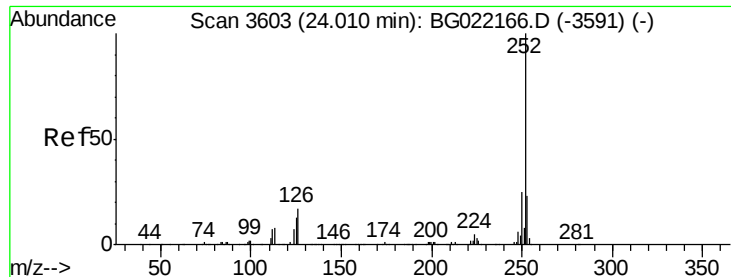
#86
Perylene-d12
Concen: 20.00 ng
RT: 25.02 min Scan# 3775
Delta R.T. 0.01 min
Lab File: BG022327.D
Acq: 13 Jun 2016 16:57

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)

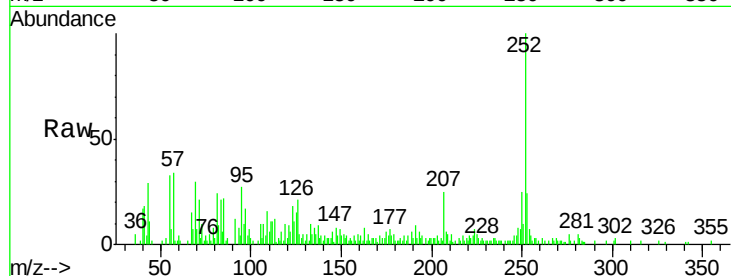
Tot Ion:252 Resp: 40899

Ion Ratio Lower Upper

252 100

253 24.2 17.5 26.3

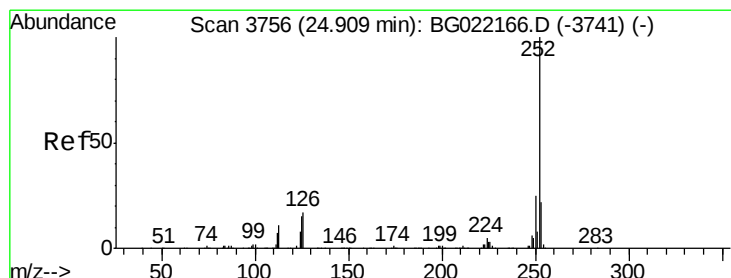
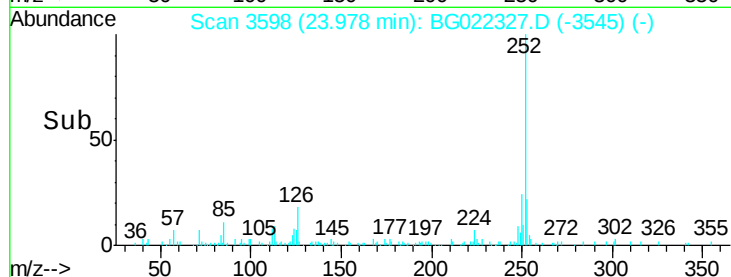
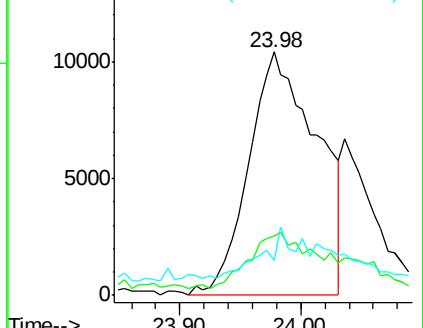
125 14.5 8.6 13.0#



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



#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

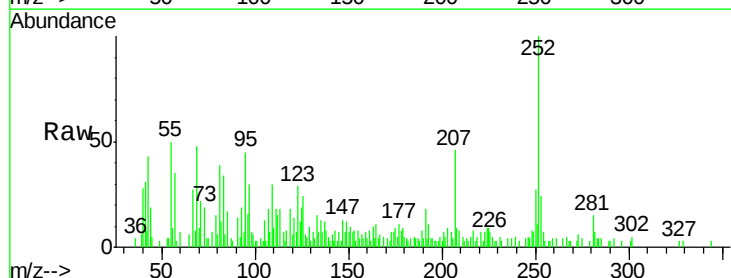
Tgt Ion:252 Resp: 20483

Ion Ratio Lower Upper

252 100

253 24.4 17.1 25.7

125 19.4 9.6 14.4#



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

