

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061316\
 Data File : BG022326.D
 Acq On : 13 Jun 2016 16:18
 Operator : UM/SJ
 Sample : H3448-25
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

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

Quant Time: Jun 13 18:47:51 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

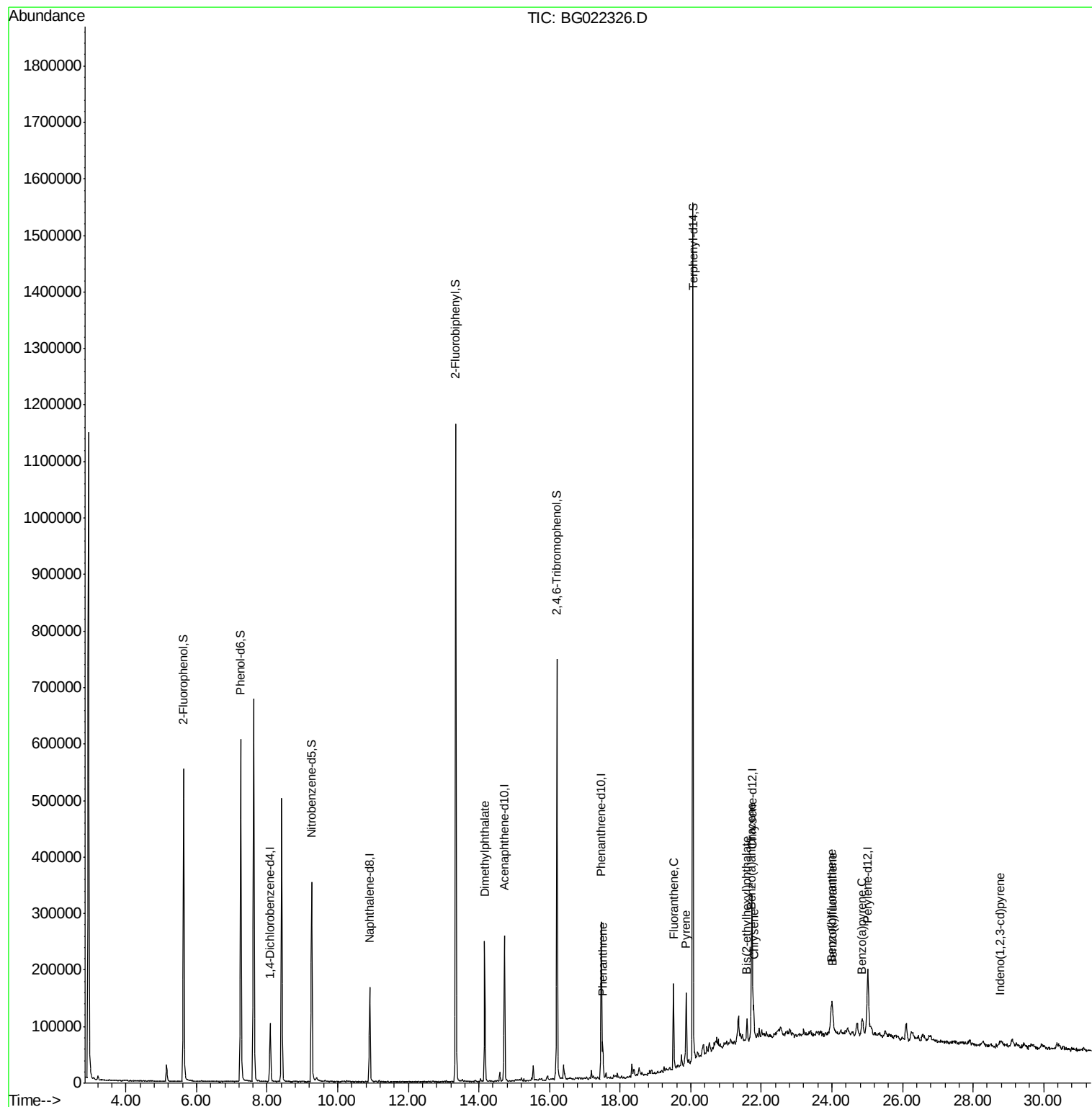
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	38123	20.00	ng	0.00
21) Naphthalene-d8	10.91	136	181600	20.00	ng	0.00
38) Acenaphthene-d10	14.72	164	97542	20.00	ng	0.00
63) Phenanthrene-d10	17.47	188	188623	20.00	ng	0.00
75) Chrysene-d12	21.74	240	150400	20.00	ng	0.00
86) Perylene-d12	25.02	264	143167	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	354183	179.63	ng	0.00
7) Phenol-d6	7.25	99	514206	165.87	ng	0.00
23) Nitrobenzene-d5	9.26	82	286397	109.95	ng	0.00
41) 2,4,6-Tribromophenol	16.21	330	153476	139.25	ng	0.00
44) 2-Fluorobiphenyl	13.34	172	684097	106.88	ng	0.00
78) Terphenyl-d14	20.06	244	698151	110.20	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.17	163	192043	23.75	ng	99
70) Phenanthrene	17.51	178	41449	4.05	ng	99
74) Fluoranthene	19.51	202	99473	8.45	ng	96
77) Pyrene	19.87	202	85139	9.11	ng	98
80) Benzo(a)anthracene	21.72	228	38828	4.60	ng	98
82) Chrysene	21.79	228	40053	4.88	ng	98
83) Bis(2-ethylhexyl)phthalate	21.59	149	21450	3.36	ng	97
85) Indeno(1,2,3-cd)pyrene	28.78	276	19327m	2.10	ng	
87) Benzo(b)fluoranthene	23.98	252	51326	6.15	ng	# 93
88) Benzo(k)fluoranthene	24.03	252	22648m	2.76	ng	
89) Benzo(a)pyrene	24.86	252	31838	3.99	ng	# 88

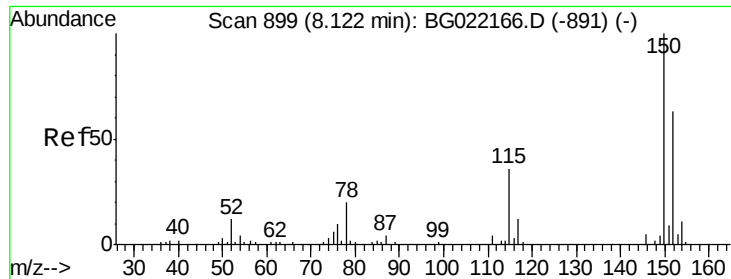
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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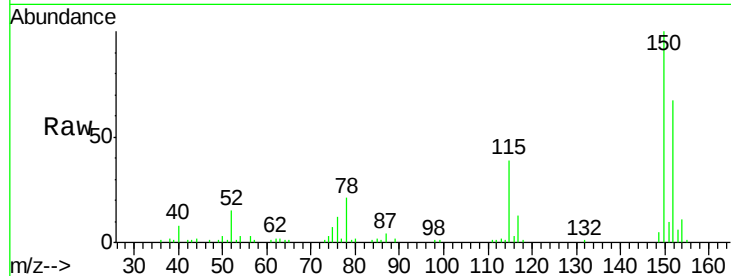


#1

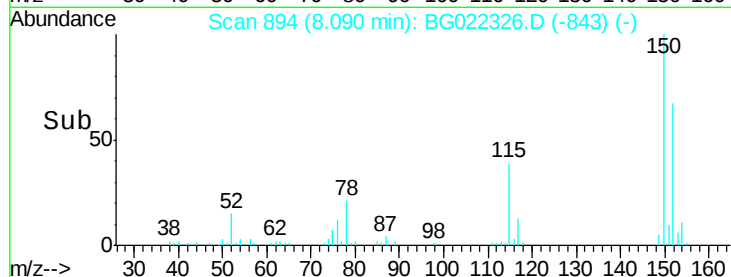
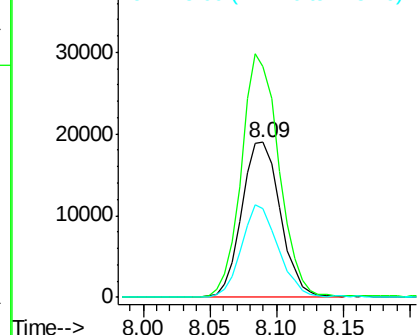
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.09 min Scan# 894
Delta R.T. -0.00 min
Lab File: BG022326.D
Acq: 13 Jun 2016 16:18

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

Tot Ion:152 Resp: 38123
Ion Ratio Lower Upper
152 100
150 148.6 130.1 195.1
115 57.3 62.2 93.2#



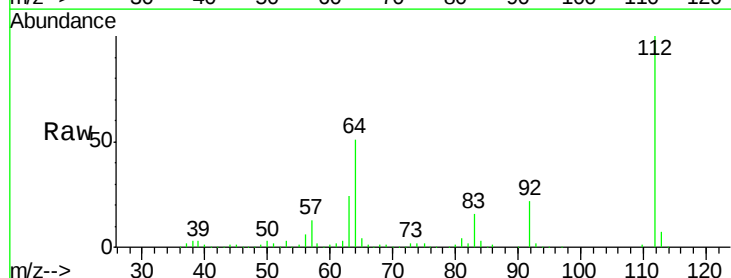
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



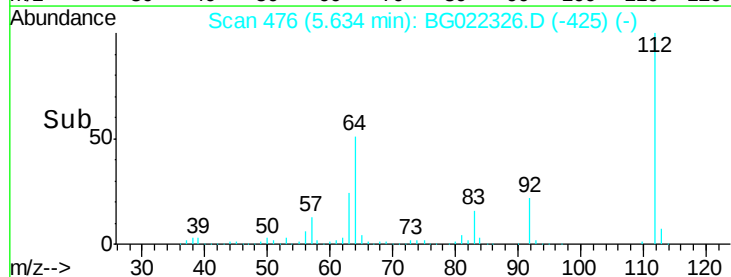
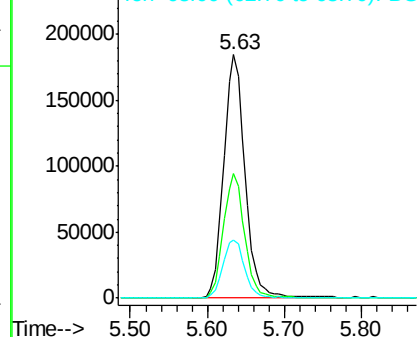
#5

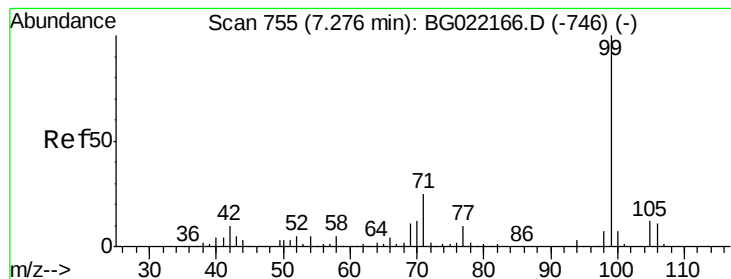
2-Fluorophenol
Concen: 179.63 ng
RT: 5.63 min Scan# 476
Delta R.T. -0.00 min
Lab File: BG022326.D
Acq: 13 Jun 2016 16:18

Tgt Ion:112 Resp: 354183
Ion Ratio Lower Upper
112 100
64 51.2 51.1 76.7
63 24.0 24.6 37.0#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 165.87 ng

RT: 7.25 min Scan# 751

Delta R.T. -0.00 min

Lab File: BG022326.D

Acq: 13 Jun 2016 16:18

Instrument :

BNA_G

ClientSampleId :

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

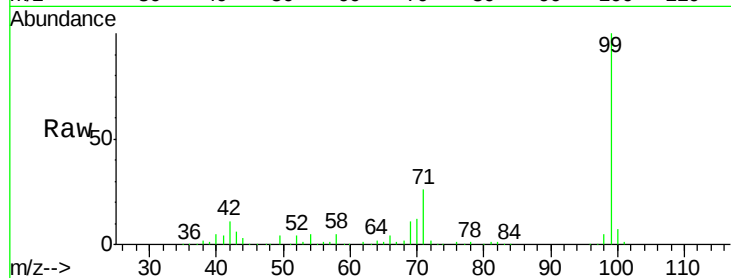
Tot Ion: 99 Resp: 514206

Ion Ratio Lower Upper

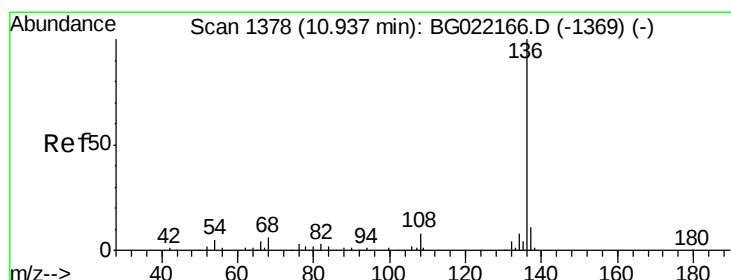
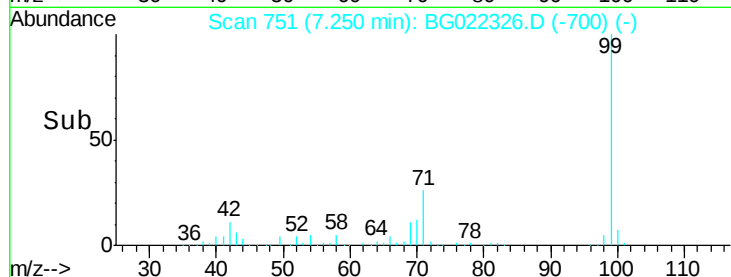
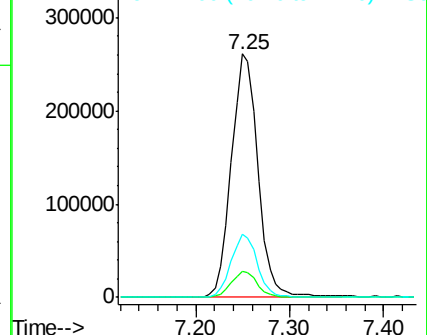
99 100

42 10.6 16.4 24.6#

71 26.2 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: BG022326.D

Acq: 13 Jun 2016 16:18

Tgt Ion: 136 Resp: 181600

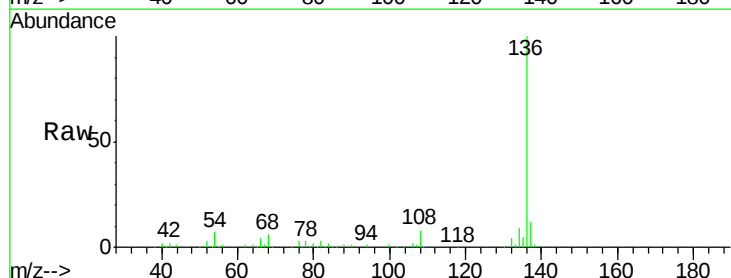
Ion Ratio Lower Upper

136 100

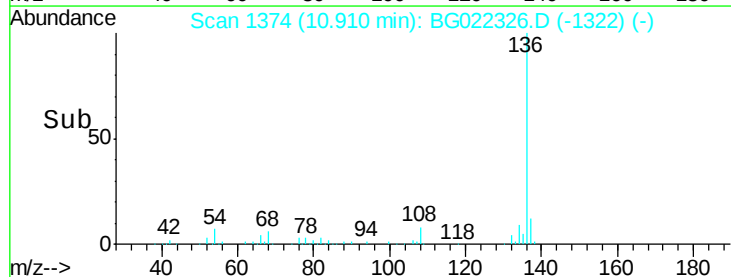
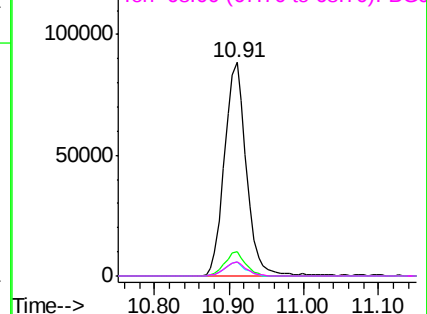
137 11.6 9.0 13.4

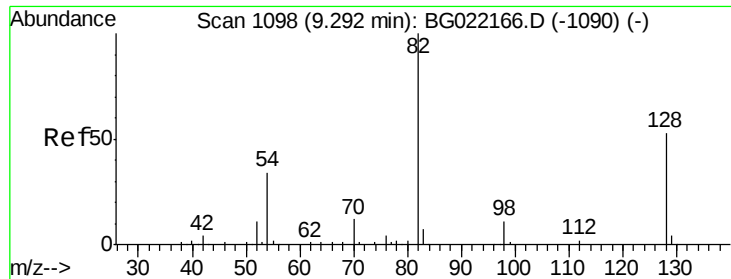
54 6.7 9.6 14.4#

68 6.3 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

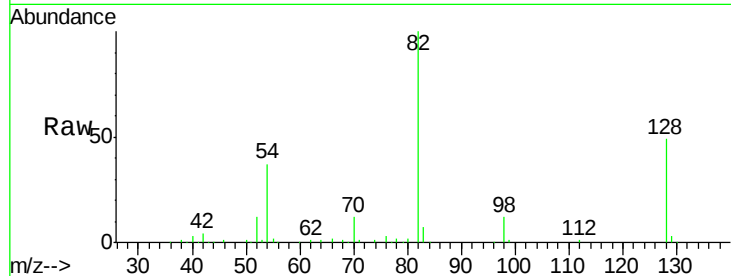




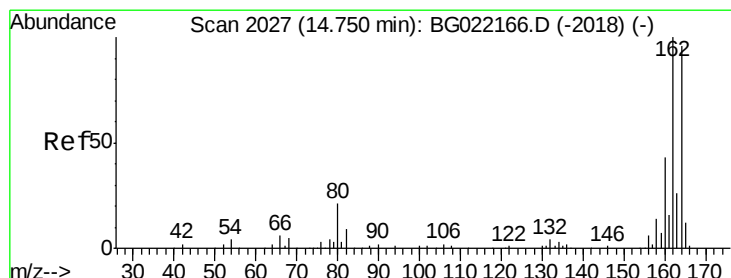
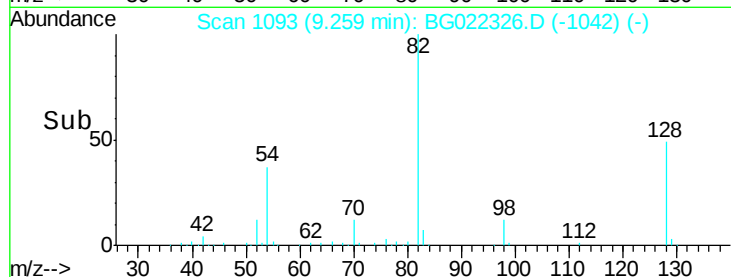
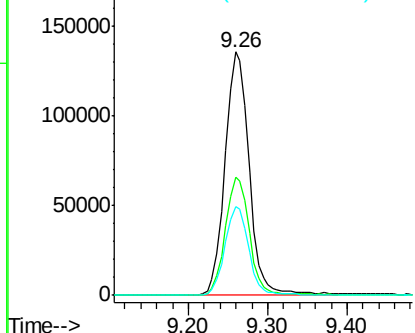
#23
 Nitrobenzene-d5
 Concen: 109.95 ng
 RT: 9.26 min Scan# 1093
 Delta R.T. -0.00 min
 Lab File: BG022326.D
 Acq: 13 Jun 2016 16:18

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

Tot Ion	82	Resp	286397
Ion Ratio	100	Lower	Upper
128	48.6	33.4	50.0
54	36.7	46.1	69.1#

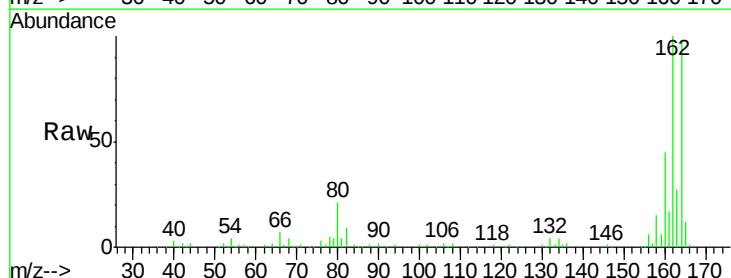


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

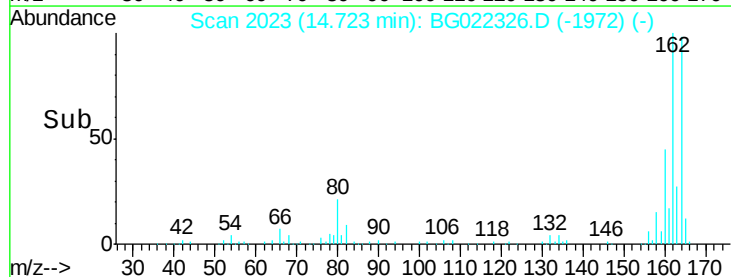
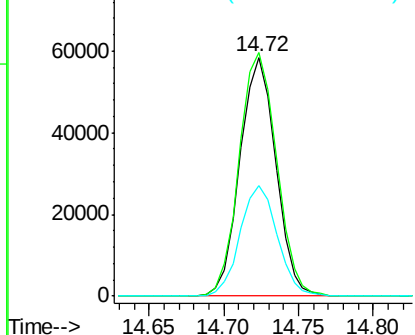


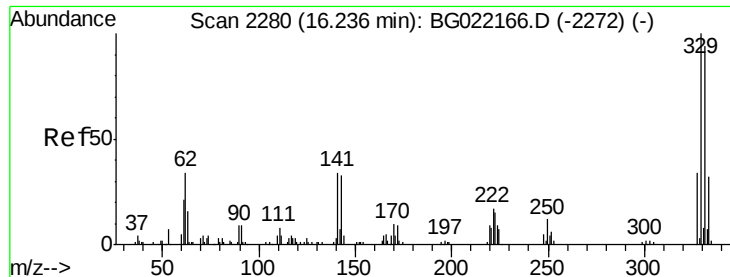
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.72 min Scan# 2023
 Delta R.T. -0.00 min
 Lab File: BG022326.D
 Acq: 13 Jun 2016 16:18

Tgt Ion	164	Resp	97542
Ion Ratio	100	Lower	Upper
162	102.0	78.0	117.0
160	46.3	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: 139.25 ng

RT: 16.21 min Scan# 2276

Delta R.T. -0.01 min

Lab File: BG022326.D

Acq: 13 Jun 2016 16:18

Instrument :

BNA_G

ClientSampleId :

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

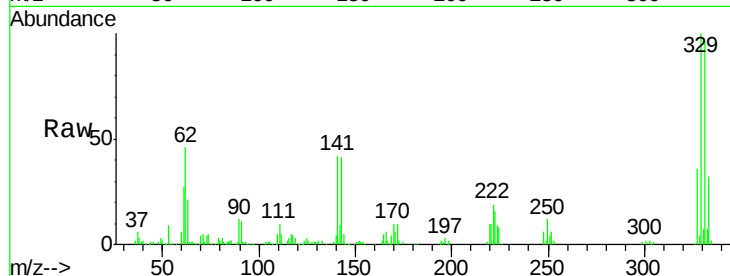
Tot Ion:330 Resp: 153476

Ion Ratio Lower Upper

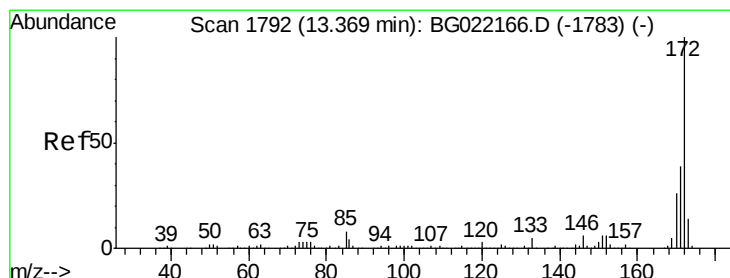
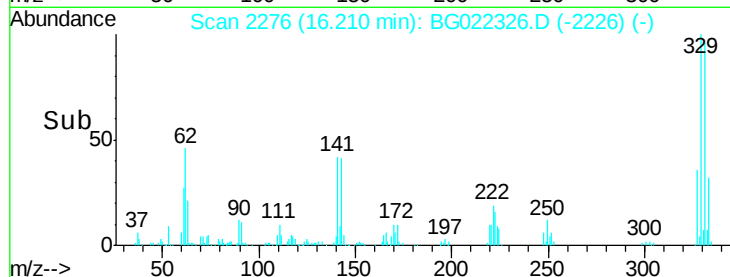
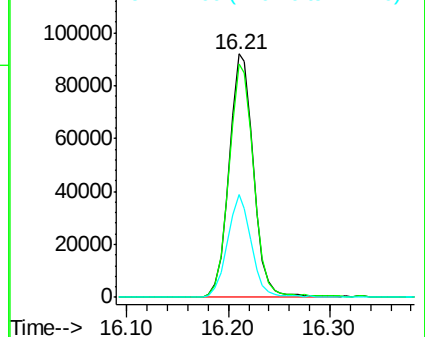
330 100

332 97.2 78.0 117.0

141 41.0 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: 106.88 ng

RT: 13.34 min Scan# 1788

Delta R.T. -0.00 min

Lab File: BG022326.D

Acq: 13 Jun 2016 16:18

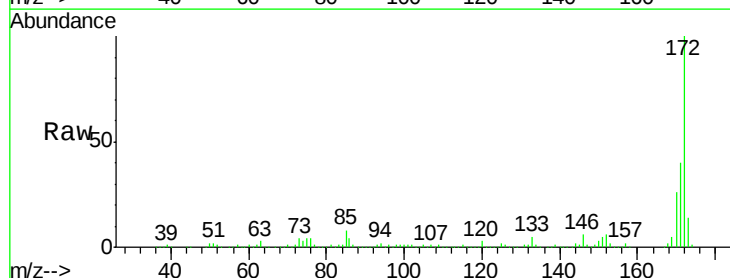
Tgt Ion:172 Resp: 684097

Ion Ratio Lower Upper

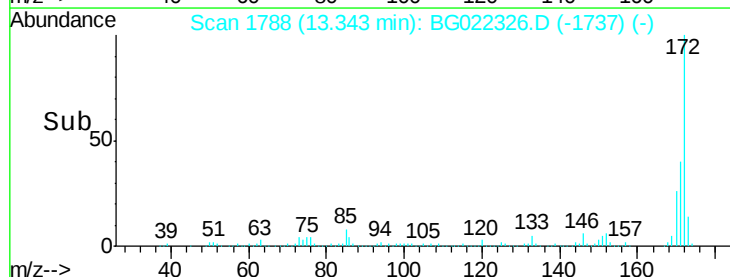
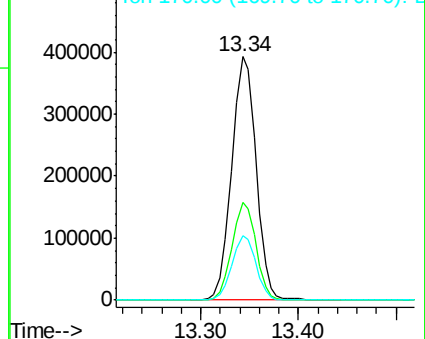
172 100

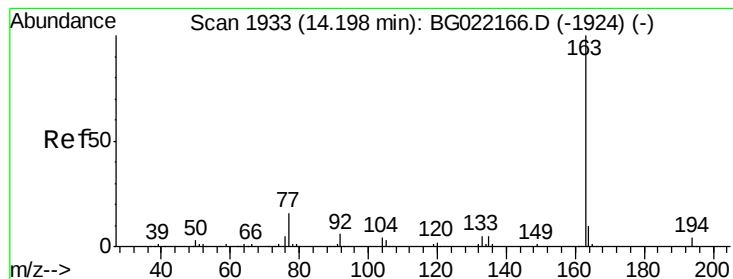
171 40.2 27.8 41.6

170 26.4 19.6 29.4



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





#49

Dimethylphthalate

Concen: 23.75 ng

RT: 14.17 min Scan# 1928

Delta R.T. -0.01 min

Lab File: BG022326.D

Acq: 13 Jun 2016 16:18

Instrument :

BNA_G

ClientSampleId :

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

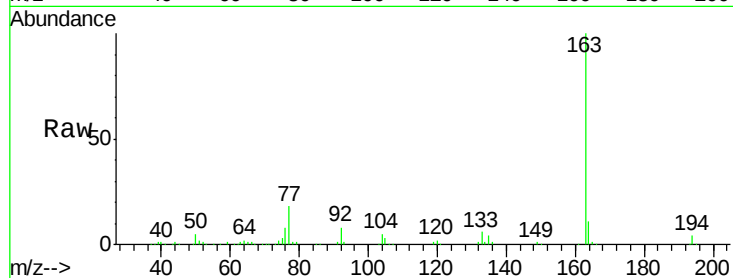
Tot Ion:163 Resp: 192043

Ion Ratio Lower Upper

163 100

194 3.7 3.0 4.6

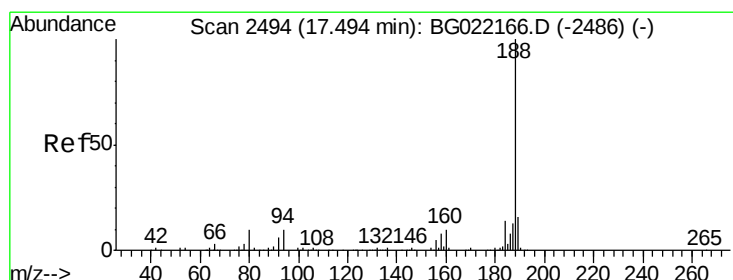
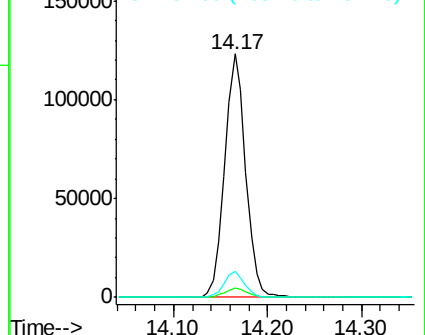
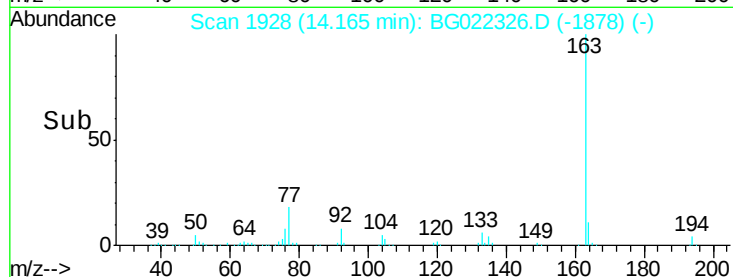
164 10.6 8.1 12.1



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: BG022326.D

Acq: 13 Jun 2016 16:18

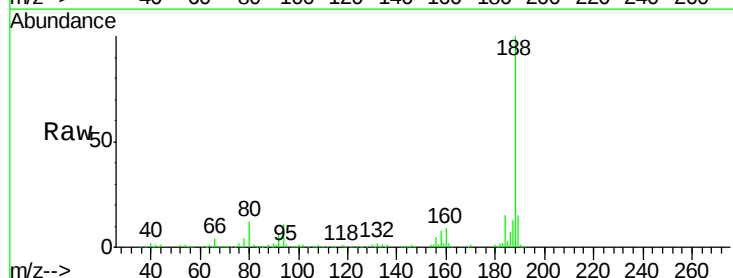
Tgt Ion:188 Resp: 188623

Ion Ratio Lower Upper

188 100

94 11.1 7.5 11.3

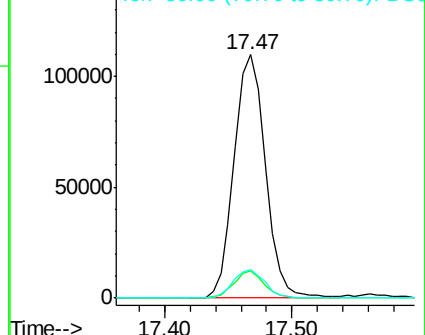
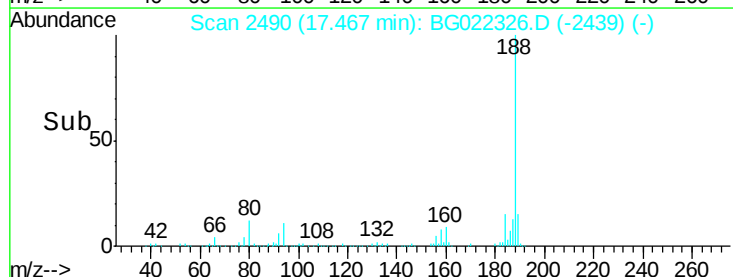
80 11.5 8.6 13.0

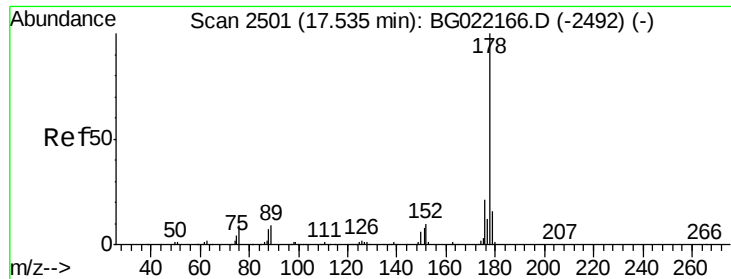


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#70

Phenanthrene

Concen: 4.05 ng

RT: 17.51 min Scan# 2497

Delta R.T. -0.00 min

Lab File: BG022326.D

Acq: 13 Jun 2016 16:18

Instrument :

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ClientSampleId :

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

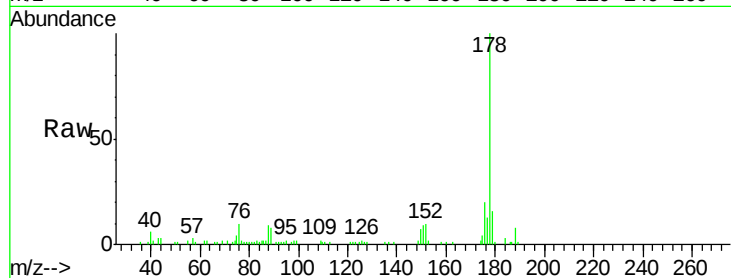
Tot Ion:178 Resp: 41449

Ion Ratio Lower Upper

178 100

176 20.2 16.2 24.4

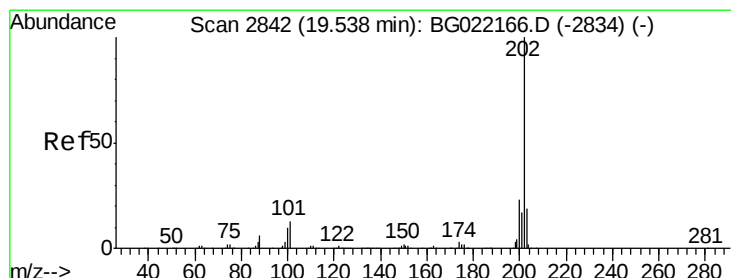
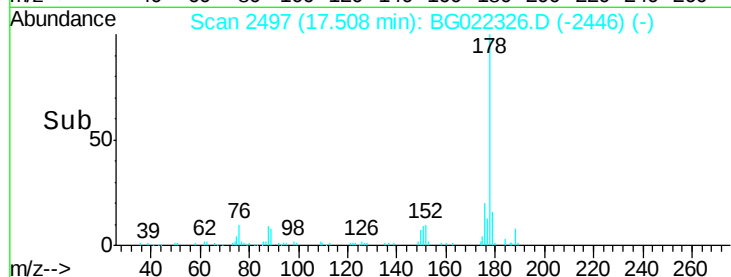
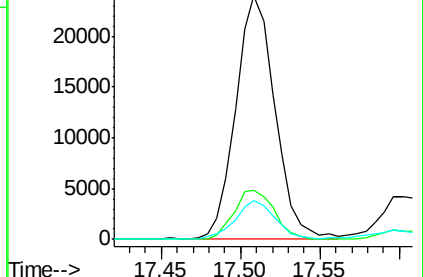
179 15.8 12.0 18.0



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: 8.45 ng

RT: 19.51 min Scan# 2838

Delta R.T. -0.00 min

Lab File: BG022326.D

Acq: 13 Jun 2016 16:18

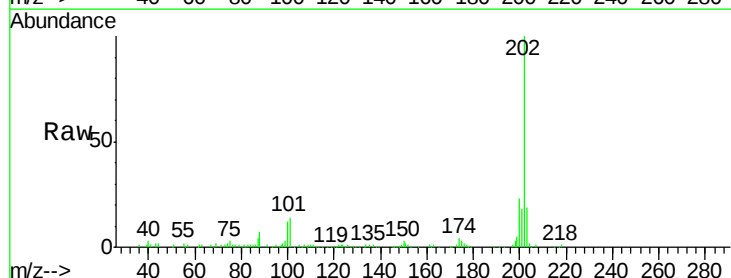
Tgt Ion:202 Resp: 99473

Ion Ratio Lower Upper

202 100

101 13.6 0.0 31.0

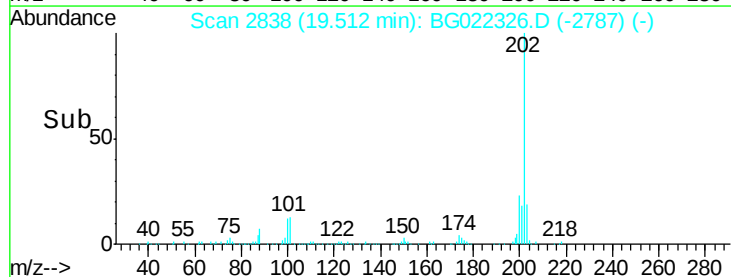
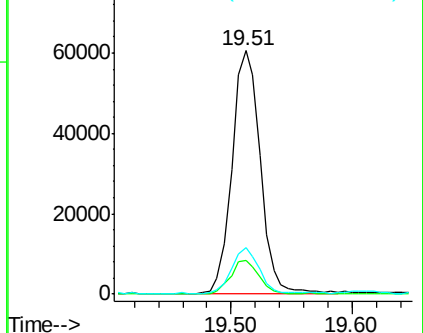
203 18.9 0.0 37.9

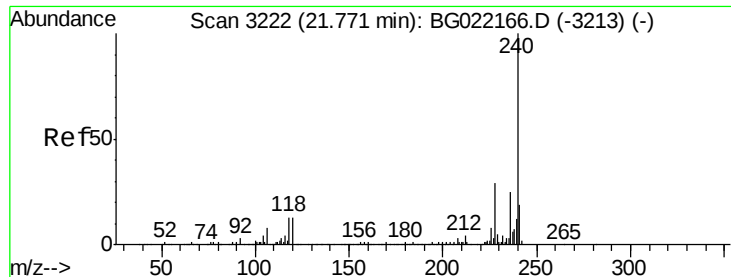


Abundance Ion 202.00 (201.70 to 202.70): E

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: BG022326.D

Acq: 13 Jun 2016 16:18

Instrument :

BNA_G

ClientSampleId :

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

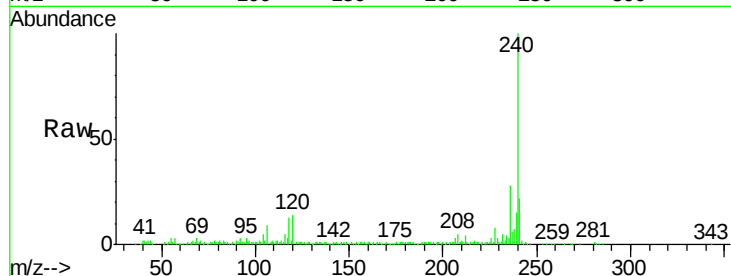
Tot Ion:240 Resp: 150400

Ion Ratio Lower Upper

240 100

120 14.0 8.4 12.6#

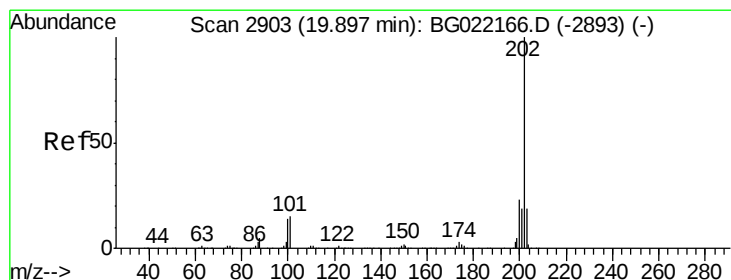
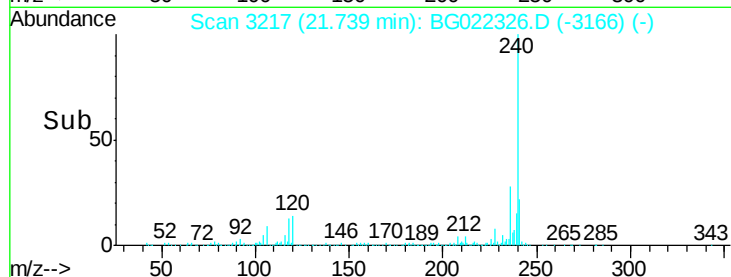
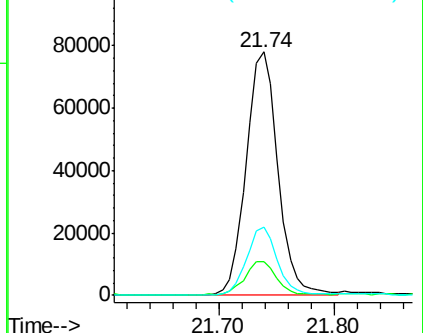
236 27.8 19.6 29.4



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: 9.11 ng

RT: 19.87 min Scan# 2899

Delta R.T. -0.01 min

Lab File: BG022326.D

Acq: 13 Jun 2016 16:18

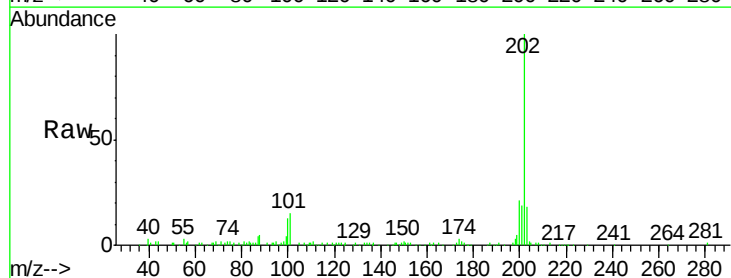
Tgt Ion:202 Resp: 85139

Ion Ratio Lower Upper

202 100

200 21.4 18.2 27.2

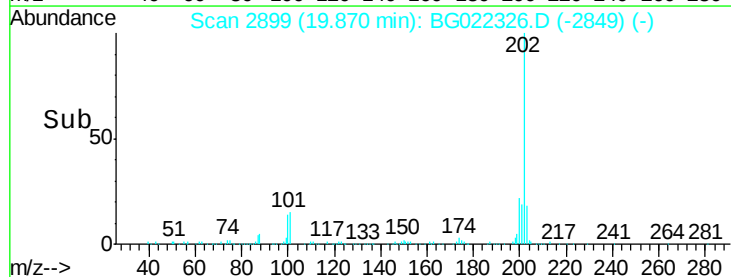
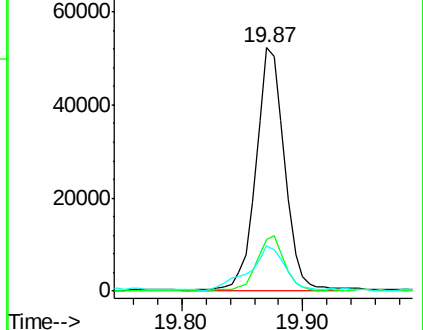
203 18.5 15.0 22.4

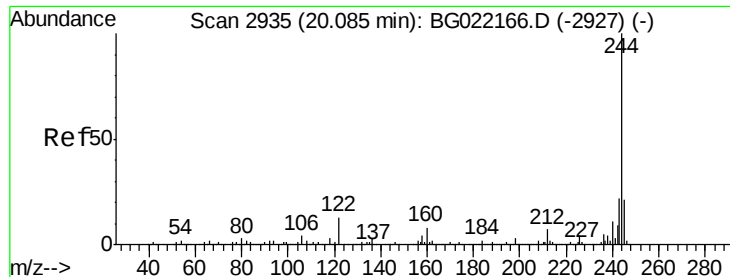


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 110.20 ng

RT: 20.06 min Scan# 2932

Delta R.T. 0.01 min

Lab File: BG022326.D

Acq: 13 Jun 2016 16:18

Instrument :

BNA_G

ClientSampleId :

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

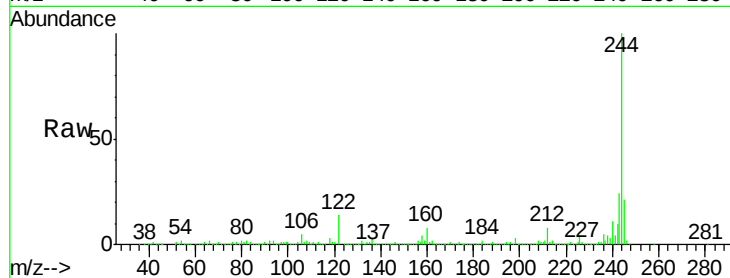
Tot Ion:244 Resp: 698151

Ion Ratio Lower Upper

244 100

212 7.8 6.5 9.7

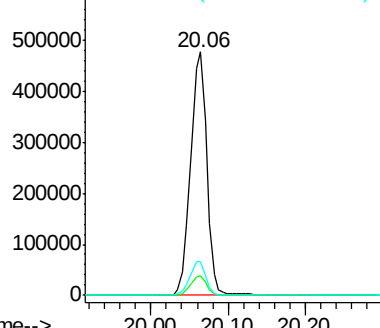
122 13.8 8.6 12.8#



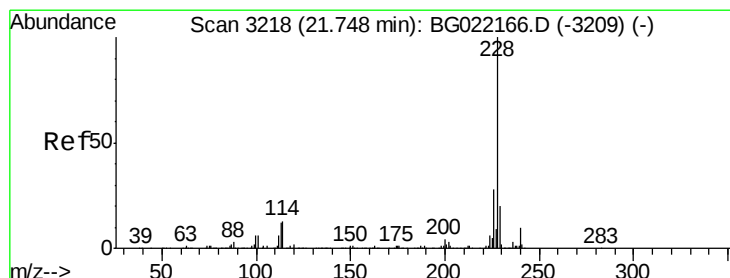
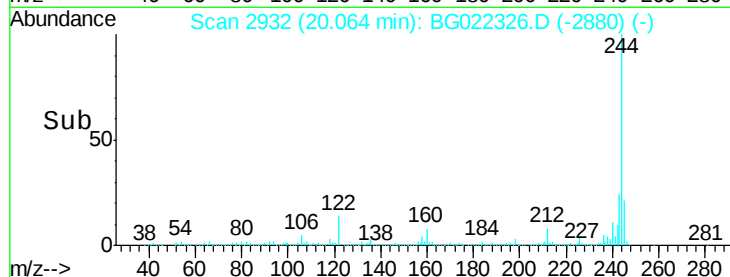
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#80

Benzo(a)anthracene

Concen: 4.60 ng

RT: 21.72 min Scan# 3213

Delta R.T. -0.01 min

Lab File: BG022326.D

Acq: 13 Jun 2016 16:18

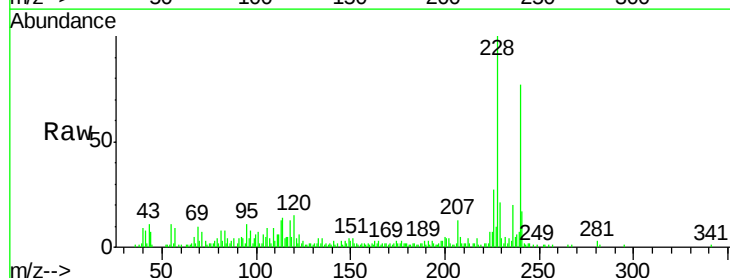
Tgt Ion:228 Resp: 38828

Ion Ratio Lower Upper

228 100

226 27.3 22.6 34.0

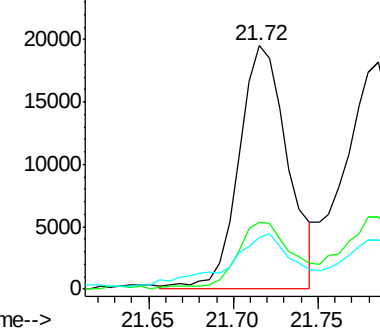
229 21.3 16.1 24.1



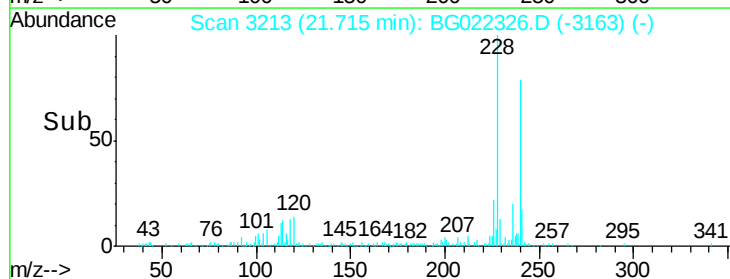
Abundance Ion 228.00 (227.70 to 228.70): E

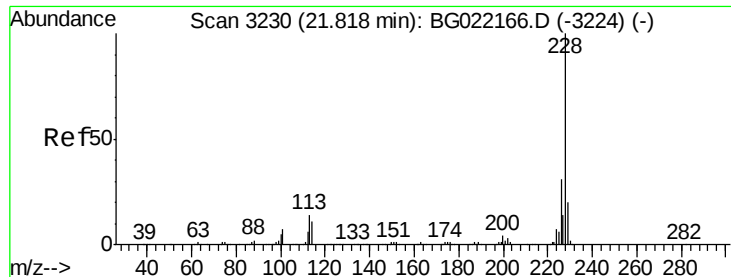
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->





#82

Chrysene

Concen: 4.88 ng

RT: 21.79 min Scan# 3225

Delta R.T. -0.00 min

Lab File: BG022326.D

Acq: 13 Jun 2016 16:18

Instrument :

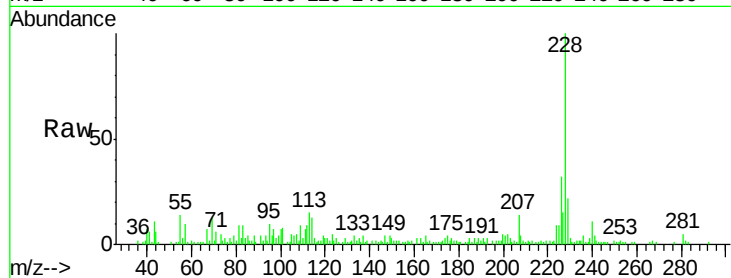
BNA_G

ClientSampleId :

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

Tot Ion:228 Resp: 40053

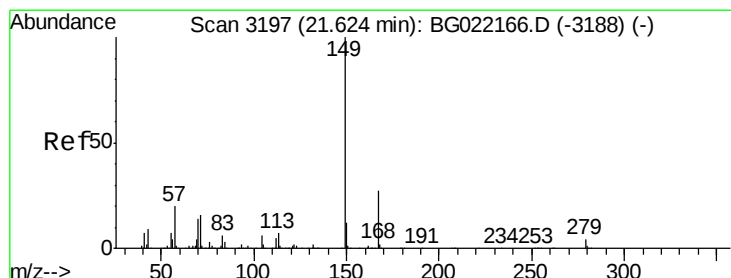
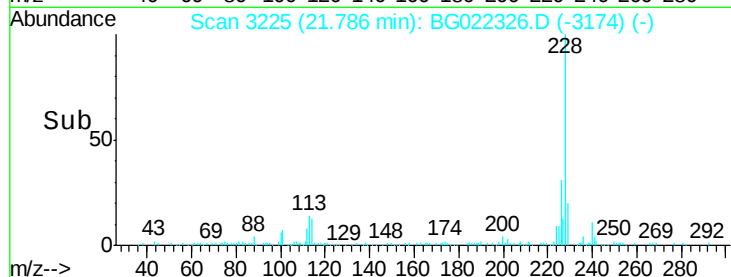
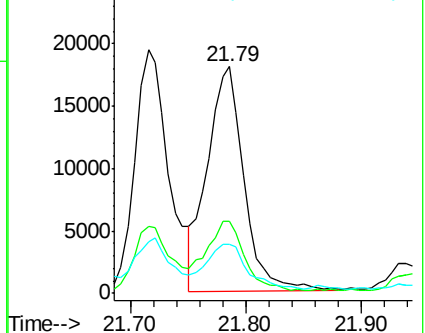
Ion	Ratio	Lower	Upper
228	100		
226	32.1	25.4	38.0
229	21.6	15.9	23.9



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: 3.36 ng

RT: 21.59 min Scan# 3192

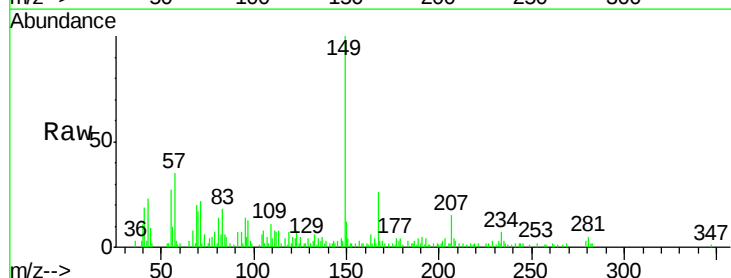
Delta R.T. -0.00 min

Lab File: BG022326.D

Acq: 13 Jun 2016 16:18

Tgt Ion:149 Resp: 21450

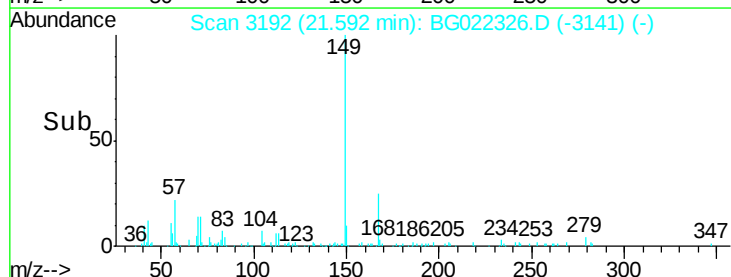
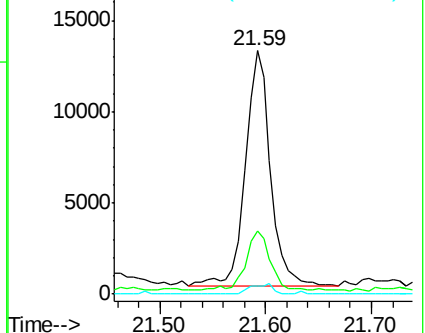
Ion	Ratio	Lower	Upper
149	100		
167	26.1	22.4	33.6
279	3.5	3.2	4.8

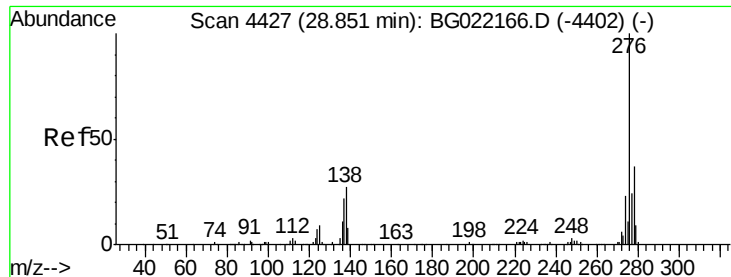


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

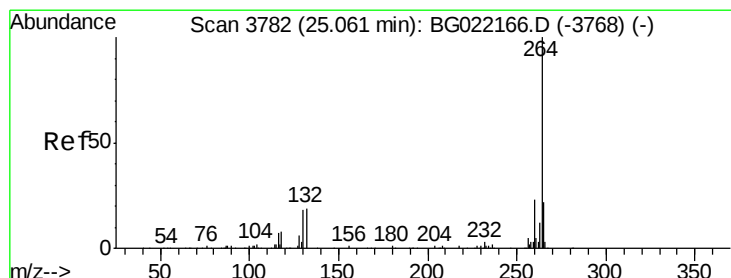
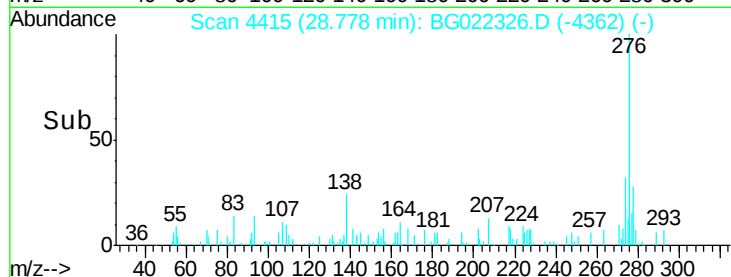
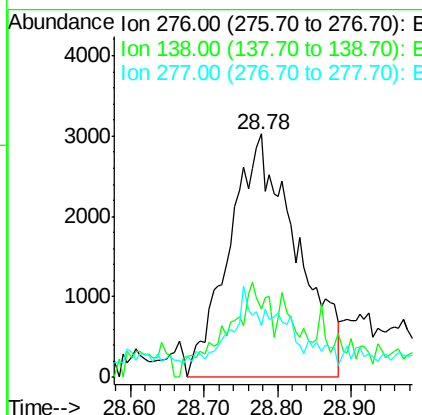
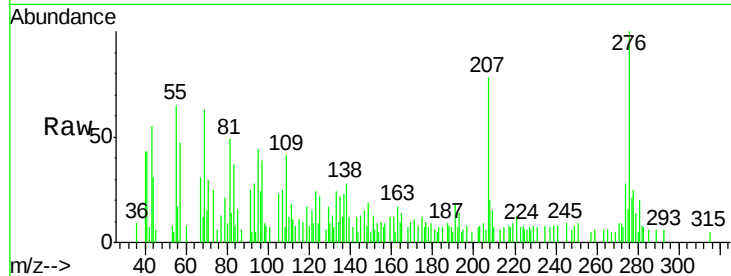




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.10 ng/mL
RT: 28.78 min Scan# 4415
Delta R.T. 0.01 min
Lab File: BG022326.D
Acq: 13 Jun 2016 16:18

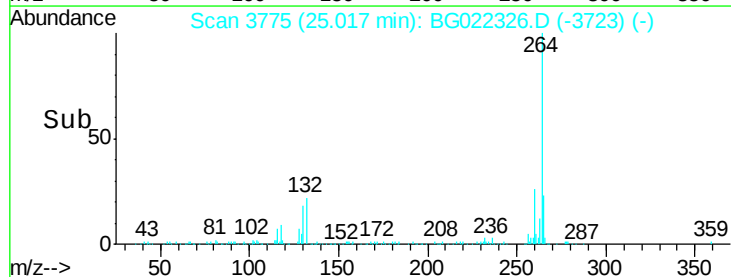
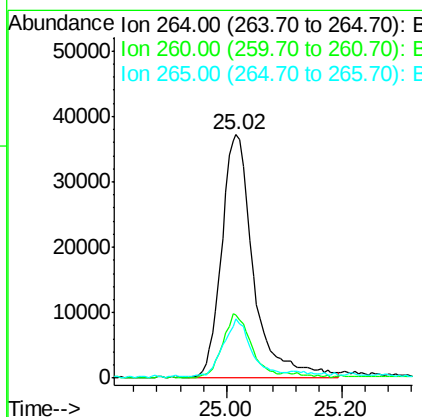
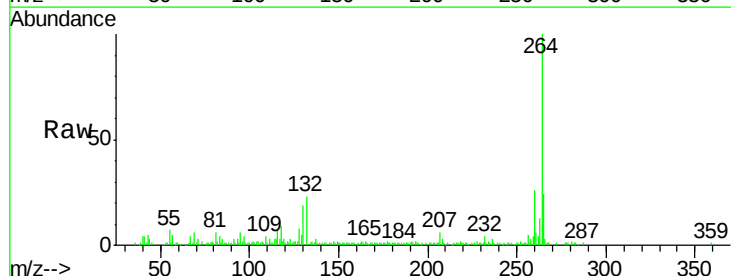
Instrument :
BNA_G
ClientSampleId :
13-VE-PILE-WALL(0-2)

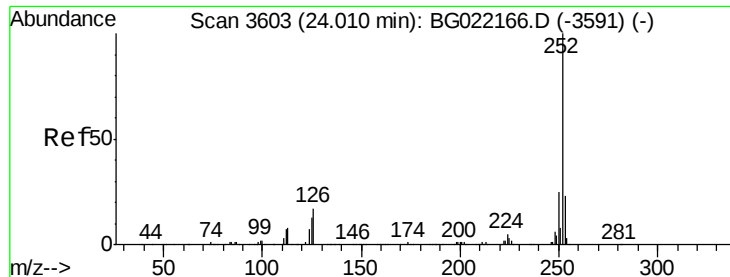
Tot Ion	Ratio	Lower	Upper
276	100		
138	0.0	14.0	21.0#
277	0.0	20.6	30.8#



#86
Perylene-d12
Concen: 20.00 ng
RT: 25.02 min Scan# 3775
Delta R.T. 0.01 min
Lab File: BG022326.D
Acq: 13 Jun 2016 16:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.0	20.2	30.4
265	24.1	17.8	26.8

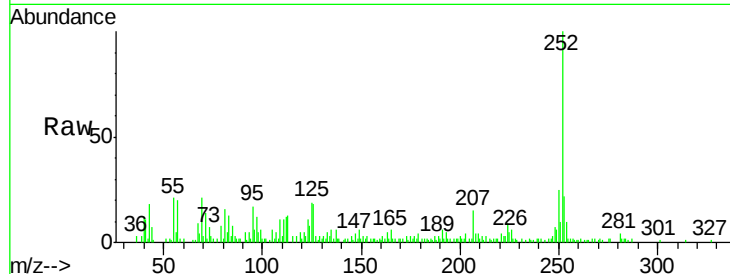




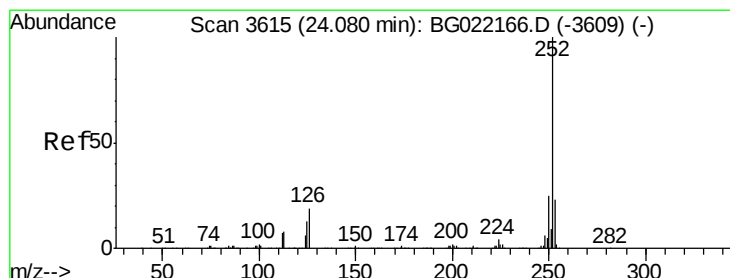
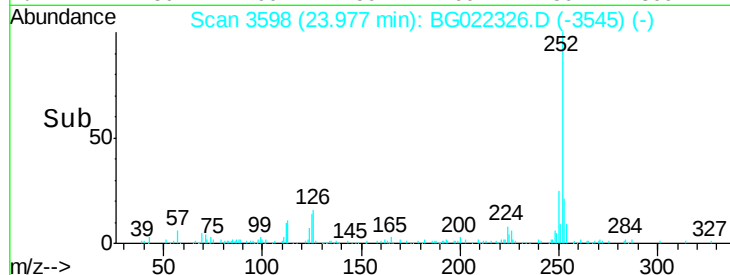
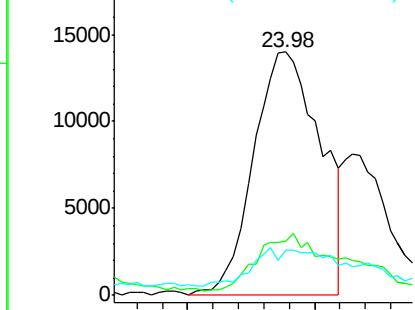
#87
Benzo(b)fluoranthene
Concen: 6.15 ng
RT: 23.98 min Scan# 3598
Delta R.T. 0.01 min
Lab File: BG022326.D
Acq: 13 Jun 2016 16:18

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	18.7	8.6	13.0

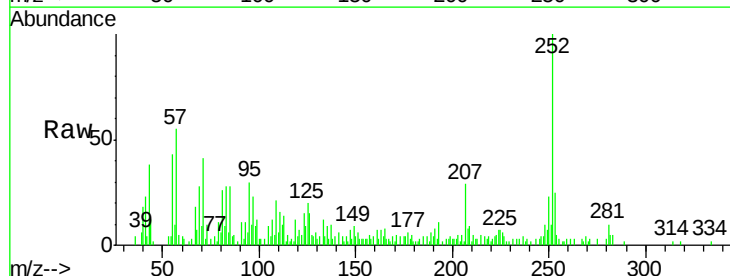


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

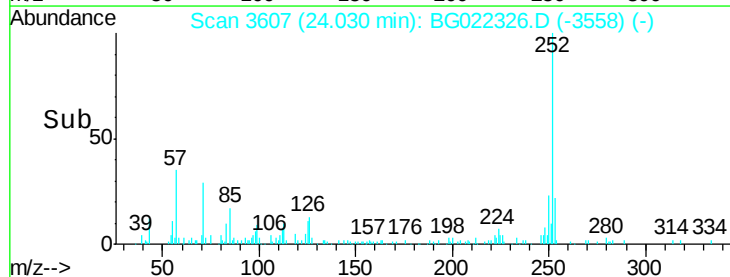
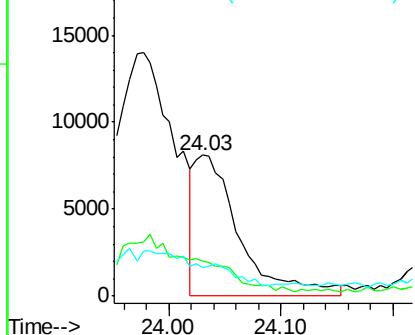


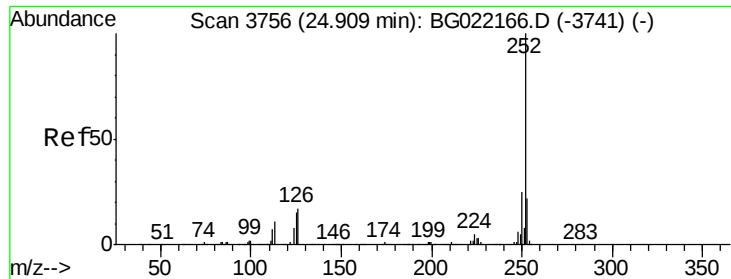
#88
Benzo(k)fluoranthene
Concen: 2.76 ng m
RT: 24.03 min Scan# 3607
Delta R.T. -0.01 min
Lab File: BG022326.D
Acq: 13 Jun 2016 16:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.8	26.8
125	20.5	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: 3.99 ng

RT: 24.86 min Scan# 3749

Delta R.T. 0.01 min

Lab File: BG022326.D

Acq: 13 Jun 2016 16:18

Instrument :

BNA_G

ClientSampleId :

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

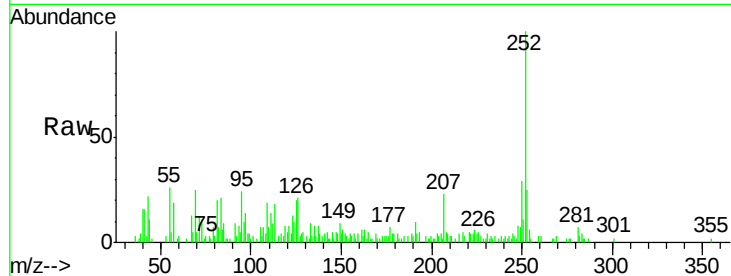
Tot Ion: 252 Resp: 31838

Ion Ratio Lower Upper

252 100

253 24.7 17.1 25.7

125 20.3 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

