

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 17:59:08 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

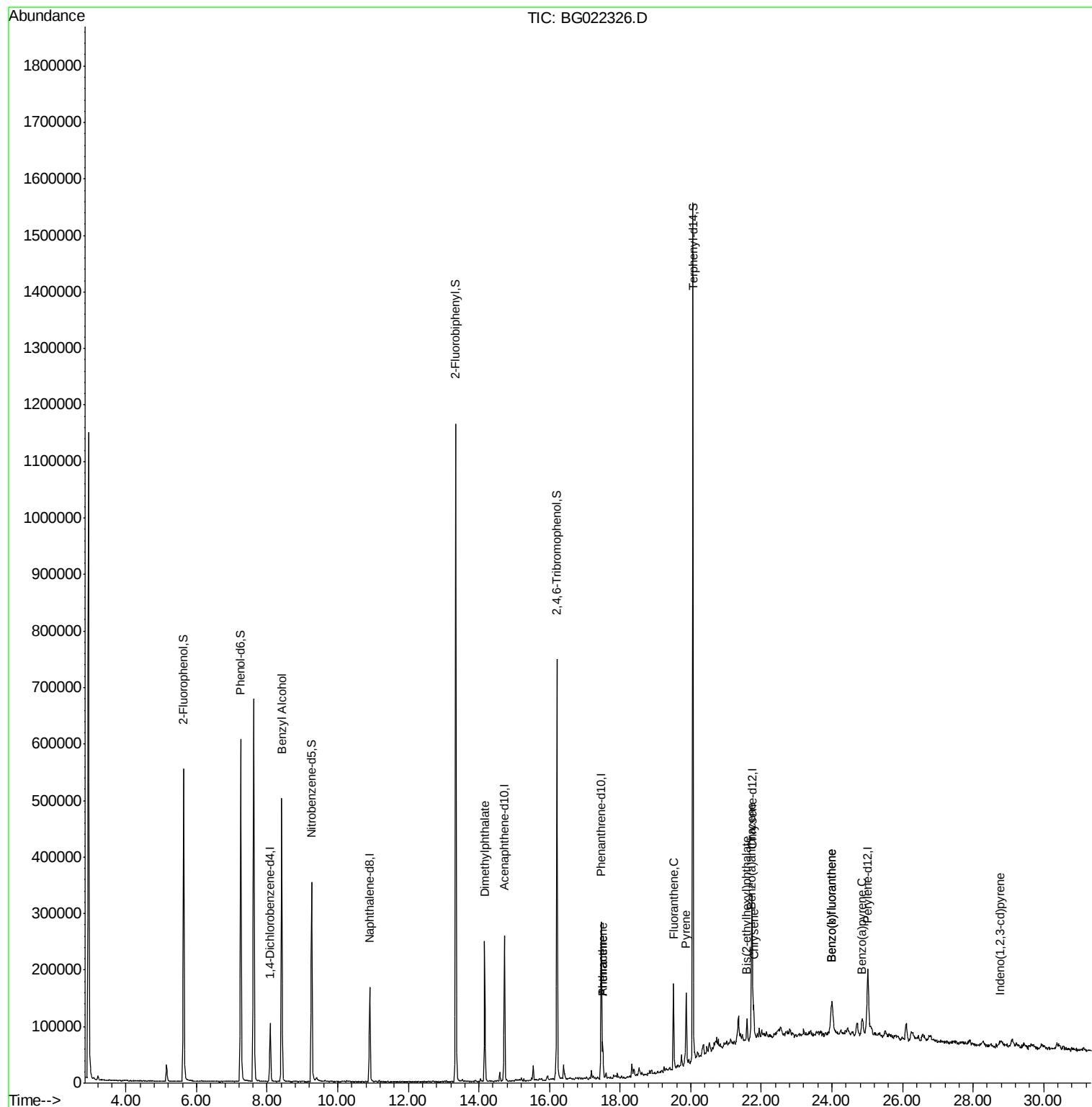
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	38123	20.00	ng	0.00
21) Naphthalene-d8	10.91	136	181600	20.00	ng	0.00
38) Acenaphthene-d10	14.72	164	97542	20.00	ng	0.00
63) Phenanthrene-d10	17.47	188	188623	20.00	ng	0.00
75) Chrysene-d12	21.74	240	150400	20.00	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						
15) Benzyl Alcohol	8.41	79	4362	2.18	ng	Qvalue # 55
49) Dimethylphthalate	14.17	163	192043	23.75	ng	99
70) Phenanthrene	17.51	178	41449	4.05	ng	99
71) Anthracene	17.51	178	41449	4.08	ng	98
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	19576	2.13	ng	# 64
87) Benzo(b)fluoranthene	23.98	252	51326	6.15	ng	# 93
88) Benzo(k)fluoranthene	23.98	252	51326	6.24	ng	# 93
89) Benzo(a)pyrene	24.86	252	31838	3.99	ng	# 88

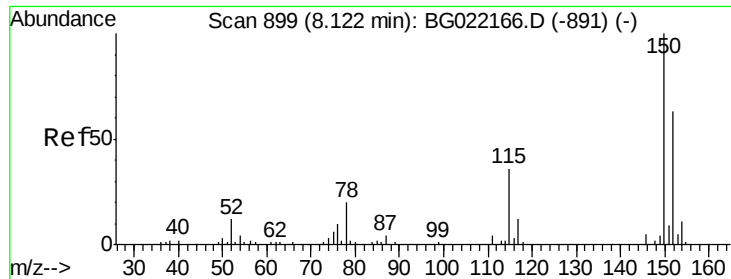
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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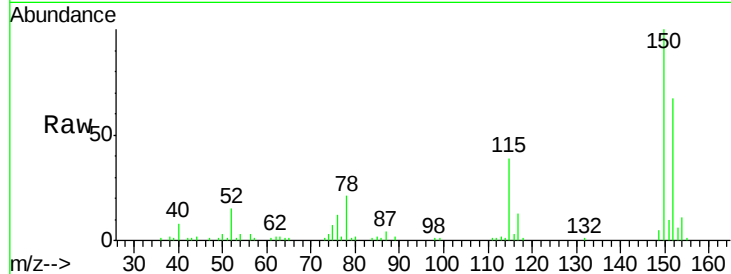


#1

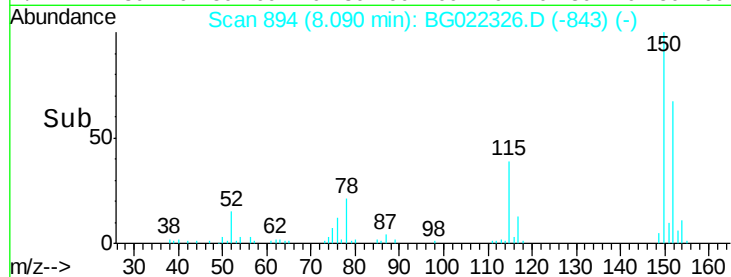
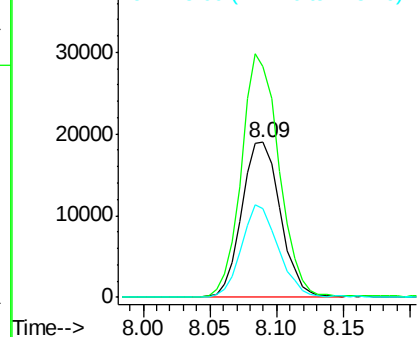
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.09 min Scan# 894
Delta R.T. -0.00 min
Lab File: BG022326.D
Acq: 13 Jun 2016 16:18

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

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



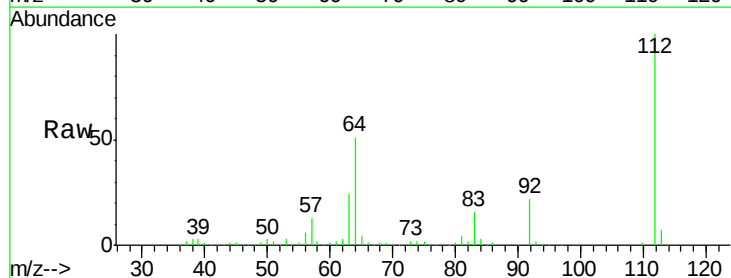
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



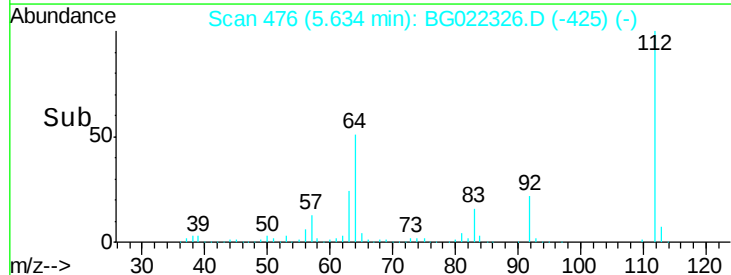
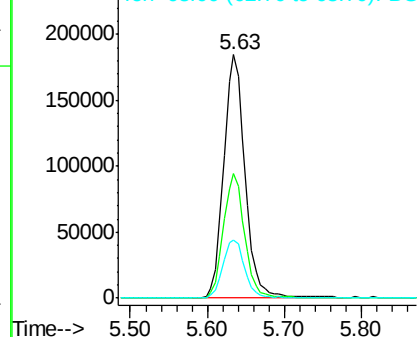
#5

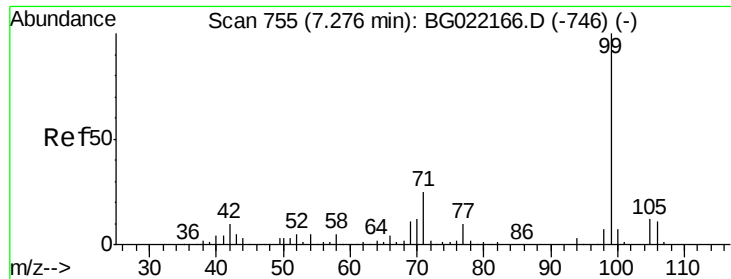
2-Fluorophenol
Concen: 179.63 ng
RT: 5.63 min Scan# 476
Delta R.T. -0.00 min
Lab File: BG022326.D
Acq: 13 Jun 2016 16:18

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)

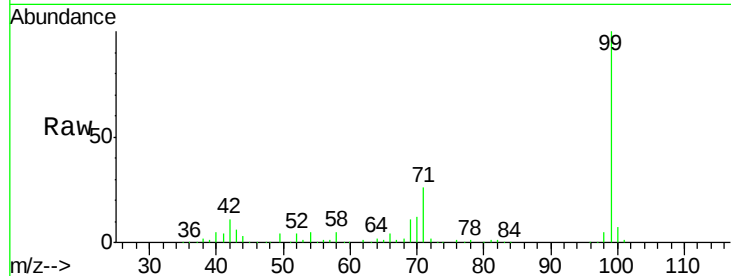
Tgt Ion: 99 Resp: 514206

Ion Ratio Lower Upper

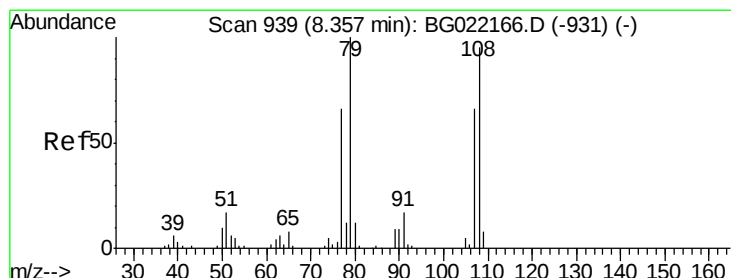
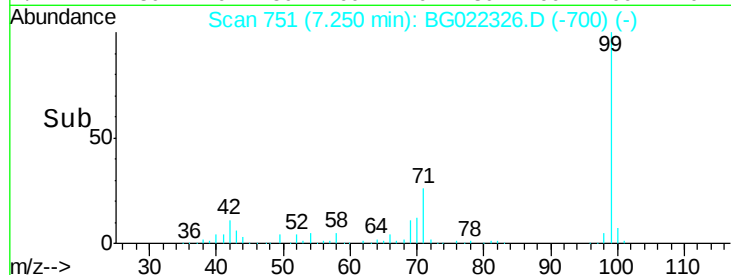
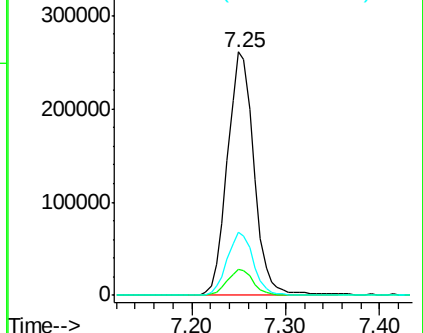
99 100

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



#15

Benzyl Alcohol

Concen: 2.18 ng

RT: 8.41 min Scan# 948

Delta R.T. 0.08 min

Lab File: BG022326.D

Acq: 13 Jun 2016 16:18

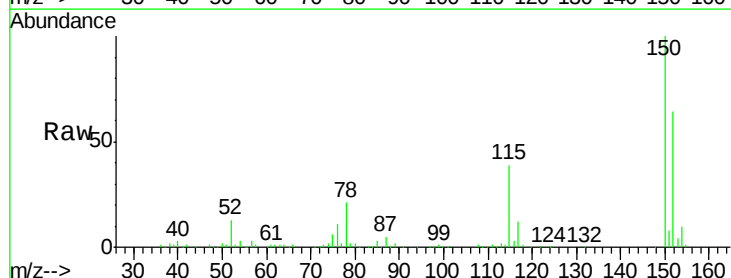
Tgt Ion: 79 Resp: 4362

Ion Ratio Lower Upper

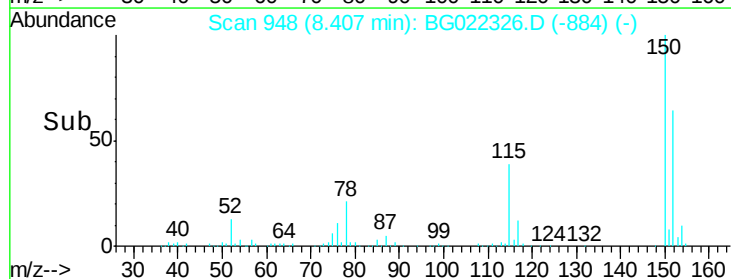
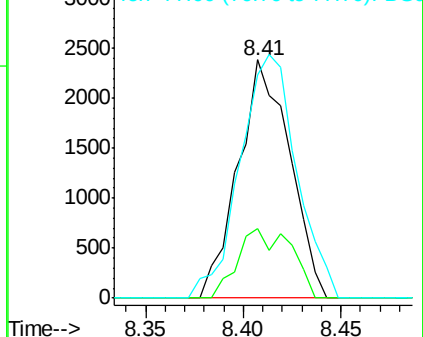
79 100

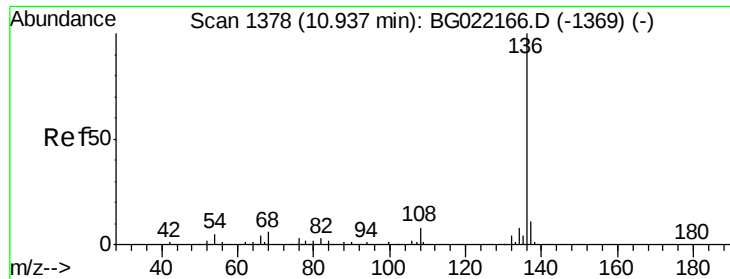
108 29.3 59.4 89.0#

77 93.8 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

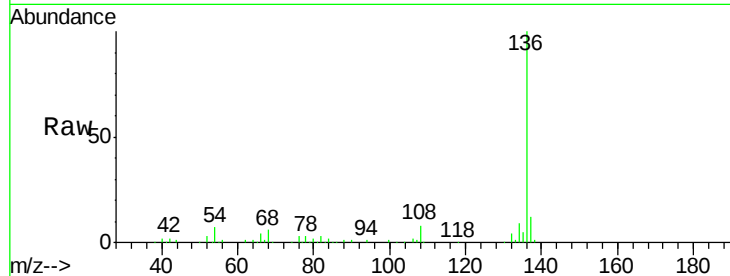




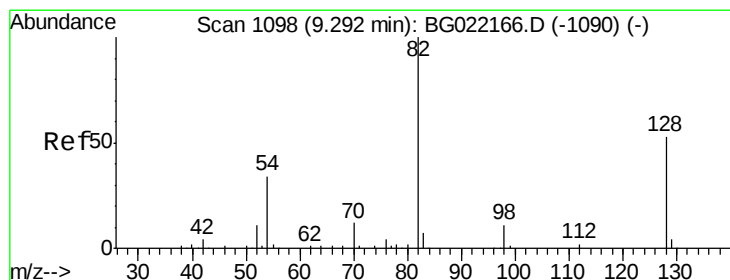
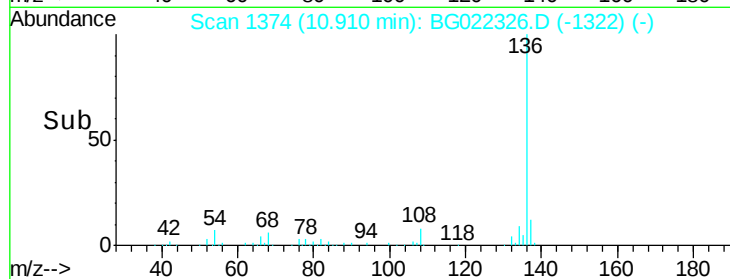
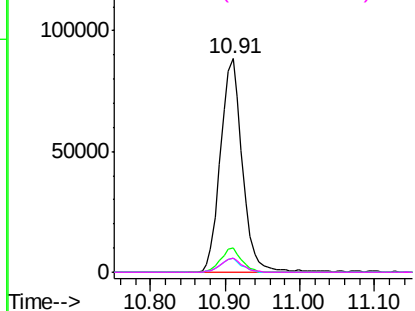
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.91 min Scan# 1374
Delta R.T. 0.01 min
Lab File: BG022326.D
Acq: 13 Jun 2016 16:18

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

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#

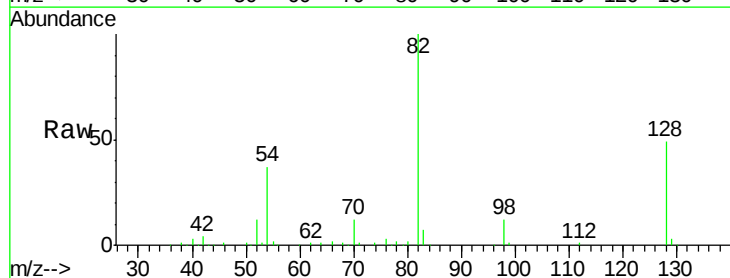


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

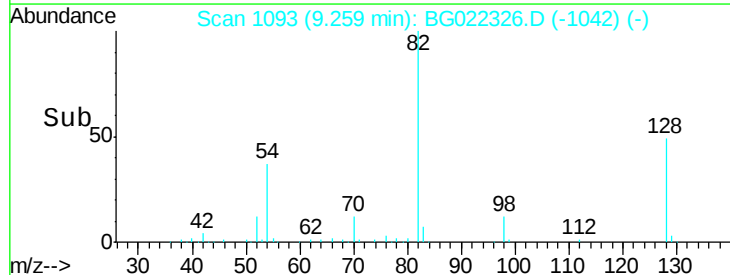
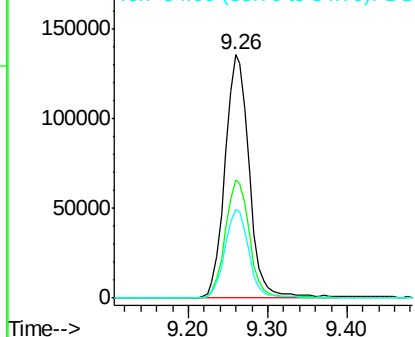


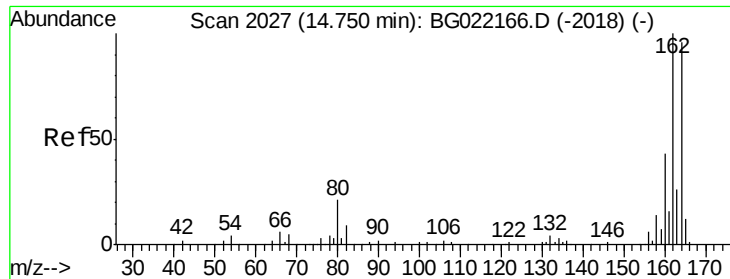
#23
Nitrobenzene-d5
Concen: 109.95 ng
RT: 9.26 min Scan# 1093
Delta R.T. -0.00 min
Lab File: BG022326.D
Acq: 13 Jun 2016 16:18

Tgt Ion:	82	Resp:	286397
Ion	Ratio	Lower	Upper
82	100		
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): E
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

Instrument :

BNA_G

ClientSampleId :

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

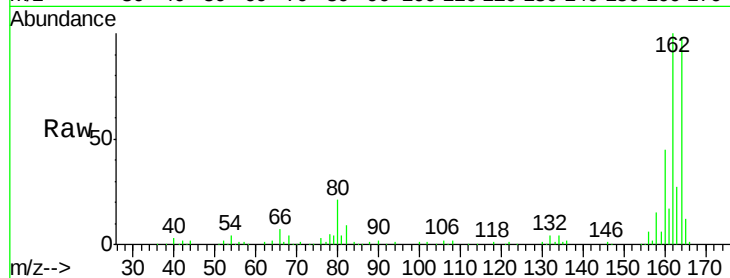
Tgt Ion:164 Resp: 97542

Ion Ratio Lower Upper

164 100

162 102.0 78.0 117.0

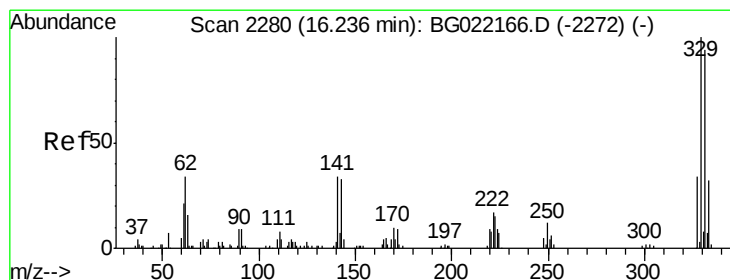
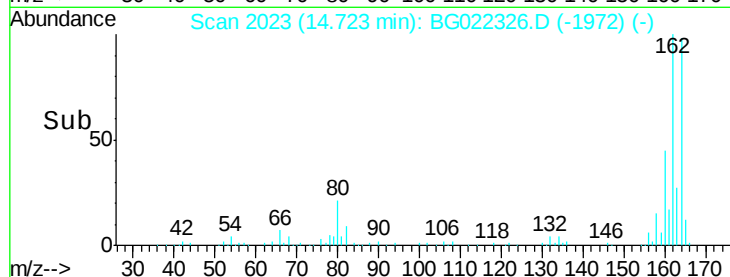
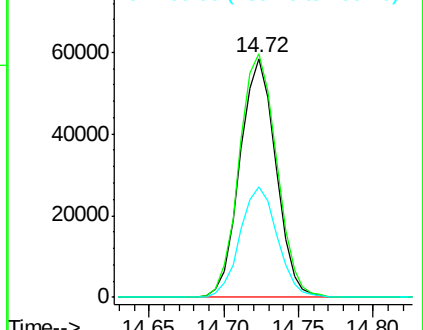
160 46.3 32.9 49.3



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: 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

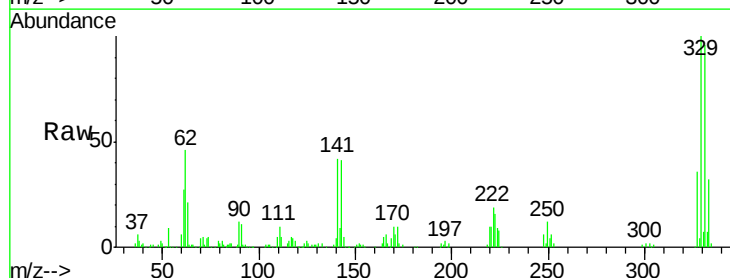
Tgt Ion:330 Resp: 153476

Ion Ratio Lower Upper

330 100

332 97.2 78.0 117.0

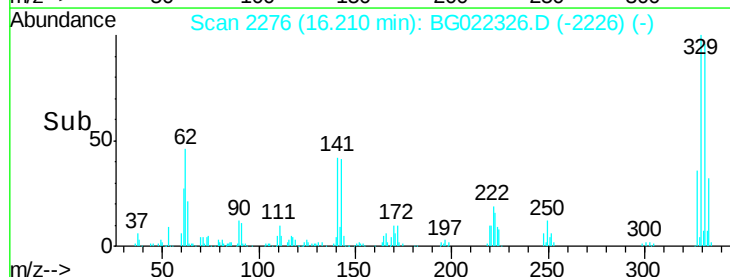
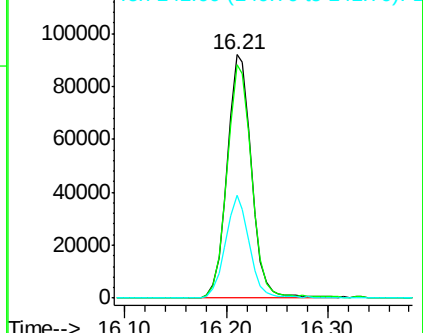
141 41.0 33.8 50.8

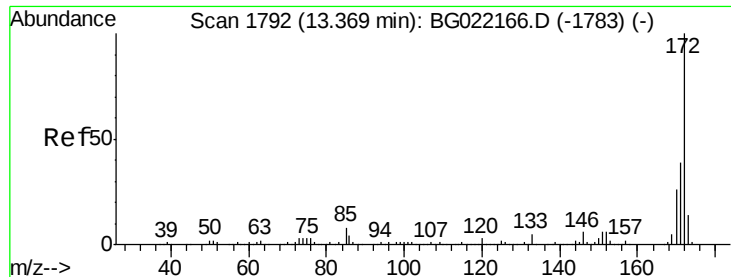


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

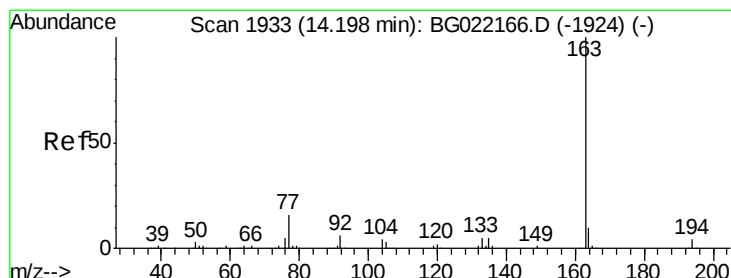
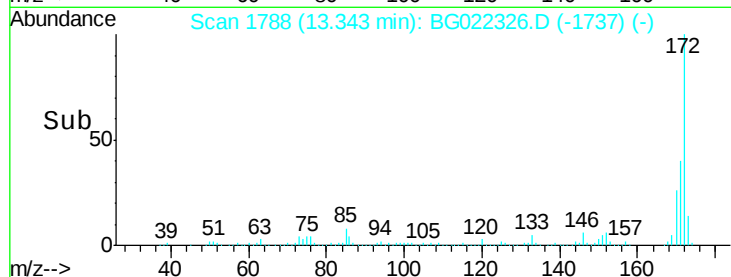
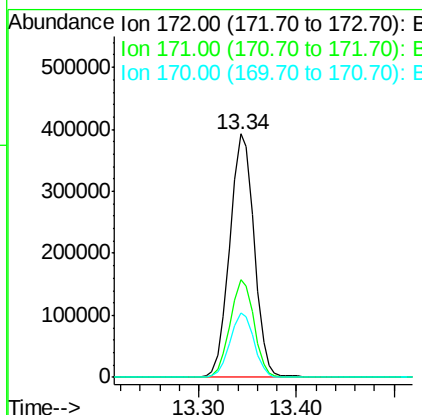
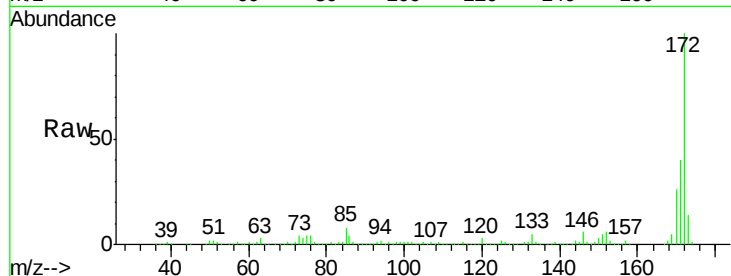




#44
2-Fluorobiphenyl
Concen: 106.88 ng
RT: 13.34 min Scan# 1788
Delta R.T. -0.00 min
Lab File: BG022326.D
Acq: 13 Jun 2016 16:18

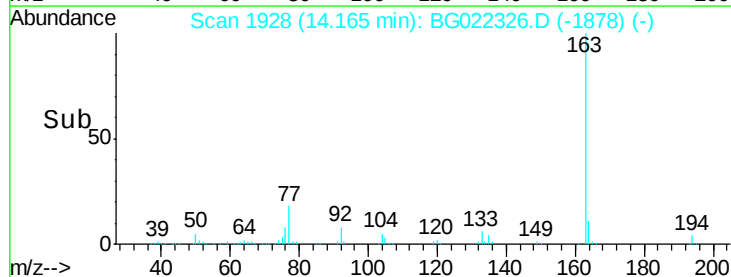
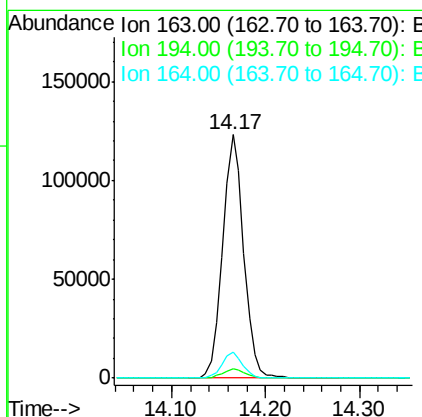
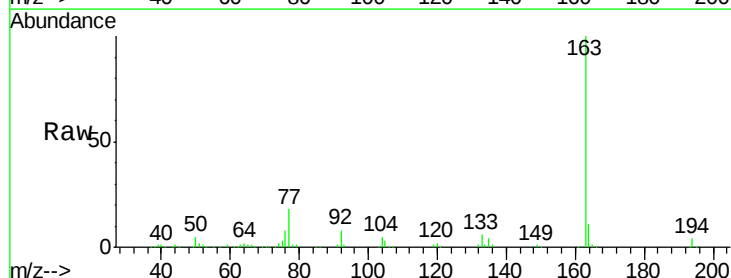
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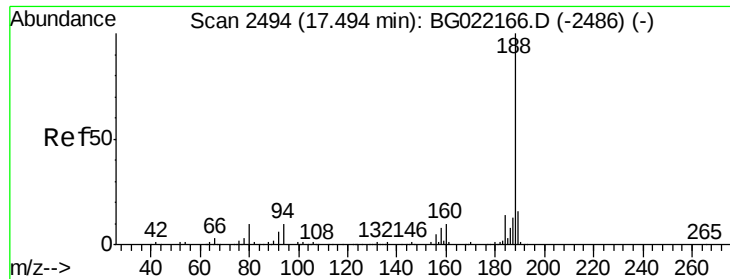
Tgt Ion:172 Resp: 684097
Ion Ratio Lower Upper
172 100
171 40.2 27.8 41.6
170 26.4 19.6 29.4



#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

Tgt Ion:163 Resp: 192043
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.6
164 10.6 8.1 12.1

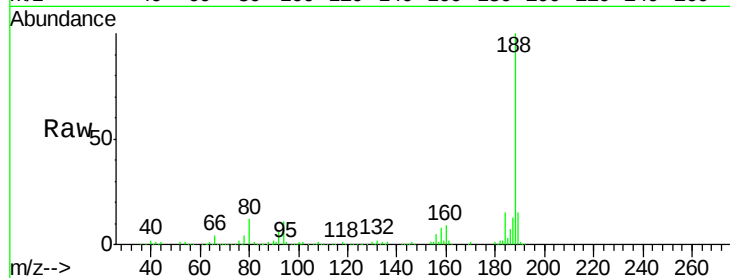




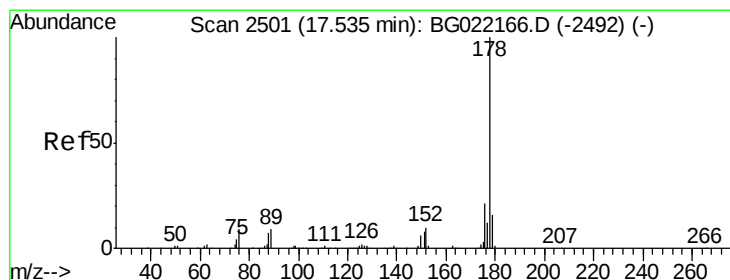
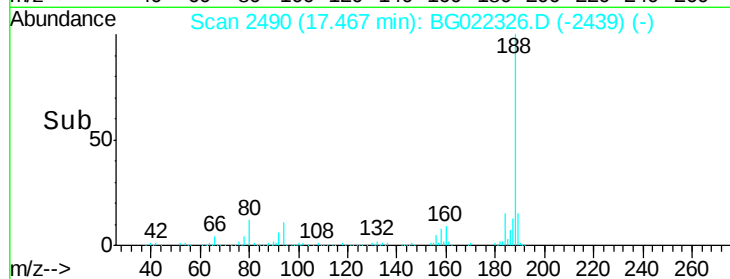
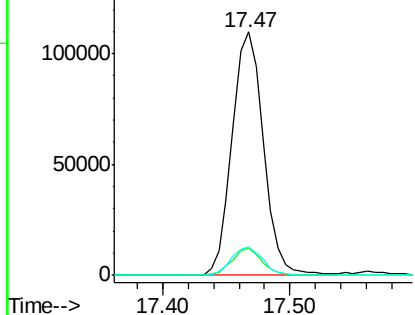
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.47 min Scan# 2490
Delta R.T. -0.00 min
Lab File: BG022326.D
Acq: 13 Jun 2016 16:18

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

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.1	7.5	11.3
80	11.5	8.6	13.0

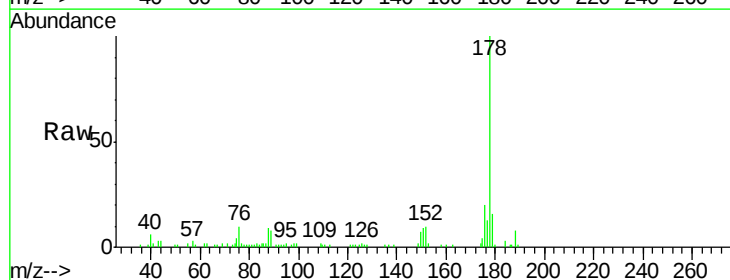


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

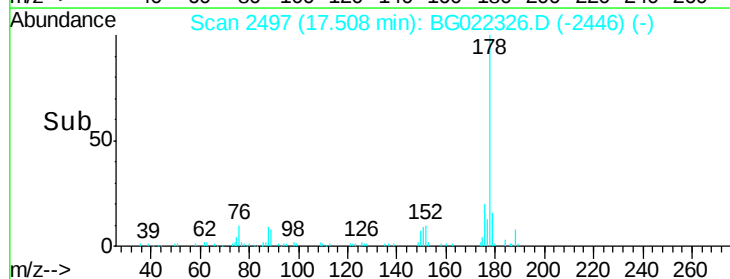
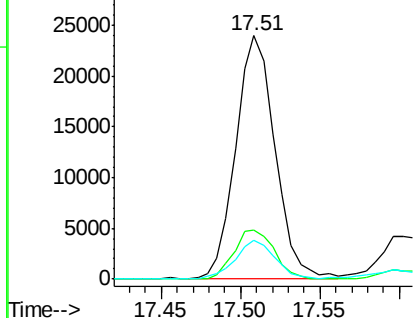


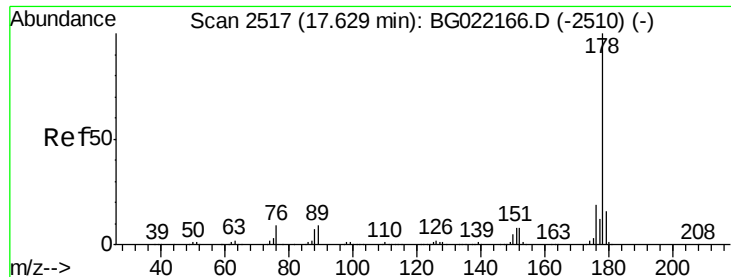
#70
Phenanthrene
Concen: 4.05 ng
RT: 17.51 min Scan# 2497
Delta R.T. -0.00 min
Lab File: BG022326.D
Acq: 13 Jun 2016 16:18

Tgt 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





#71

Anthracene

Concen: 4.08 ng

RT: 17.51 min Scan# 2497

Delta R.T. -0.09 min

Lab File: BG022326.D

Acq: 13 Jun 2016 16:18

Instrument :

BNA_G

ClientSampleId :

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

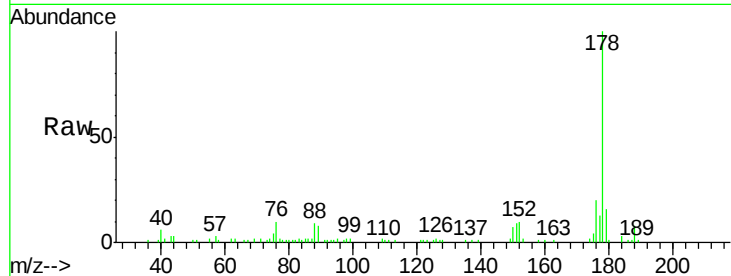
Tgt Ion:178 Resp: 41449

Ion Ratio Lower Upper

178 100

176 20.2 15.0 22.4

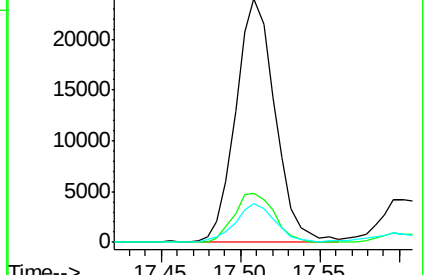
179 15.8 12.2 18.4



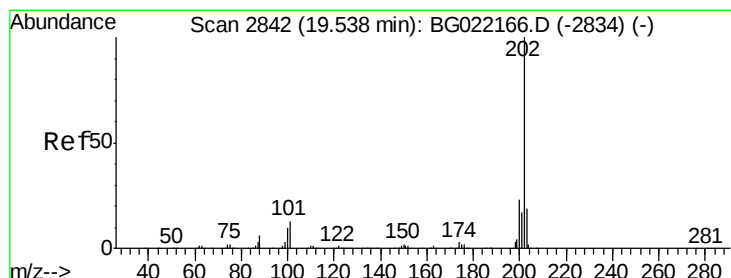
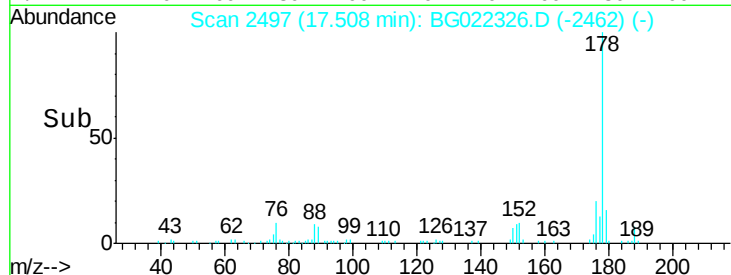
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#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

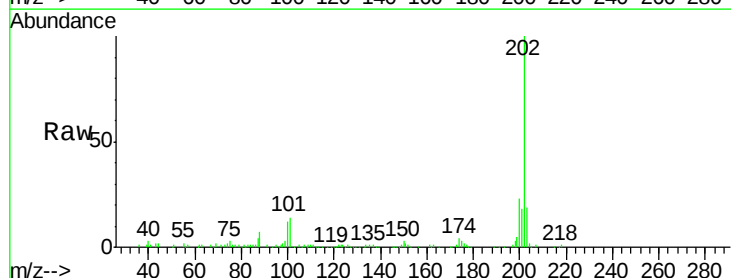
Tgt Ion:202 Resp: 99473

Ion Ratio Lower Upper

202 100

101 13.6 0.0 31.0

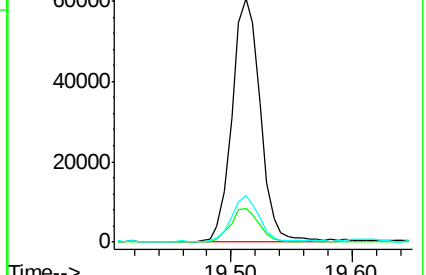
203 18.9 0.0 37.9



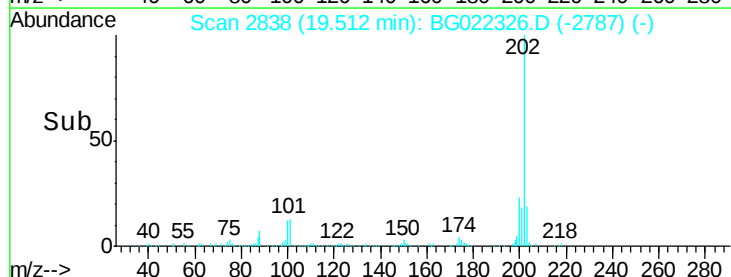
Abundance Ion 202.00 (201.70 to 202.70): E

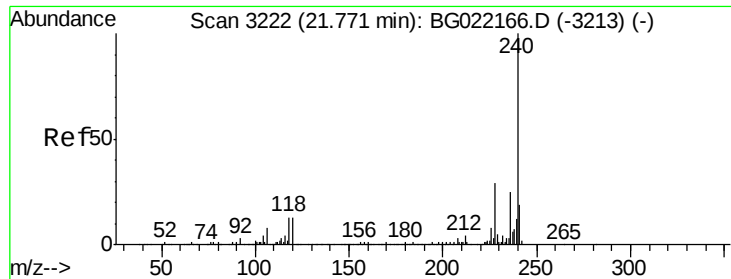
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#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 :

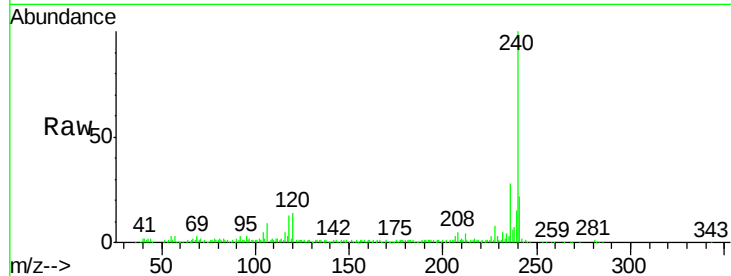
BNA_G

ClientSampleId :

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

Tgt Ion:240 Resp: 150400

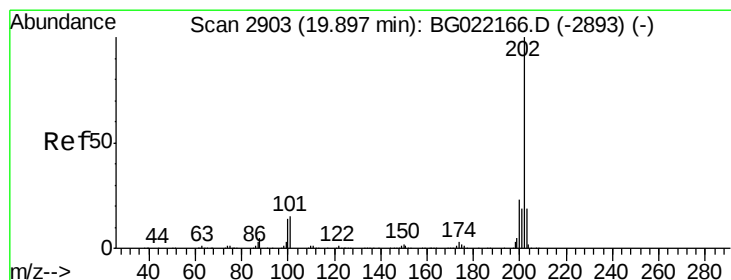
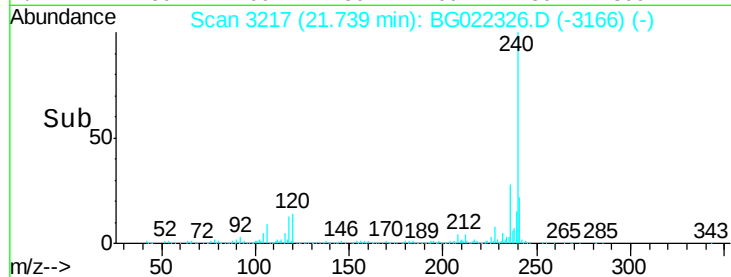
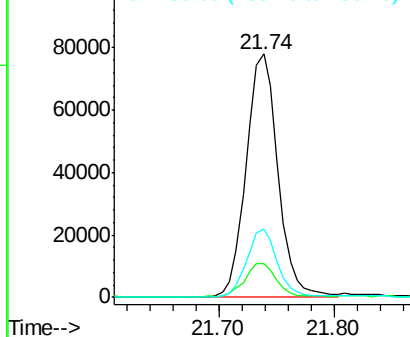
Ion	Ratio	Lower	Upper
240	100		
120	14.0	8.4	12.6#
236	27.8	19.6	29.4



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

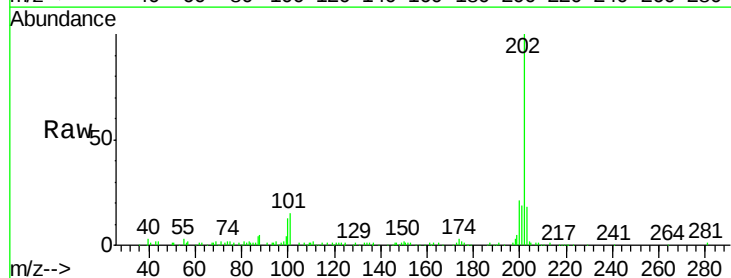
Delta R.T. -0.01 min

Lab File: BG022326.D

Acq: 13 Jun 2016 16:18

Tgt Ion:202 Resp: 85139

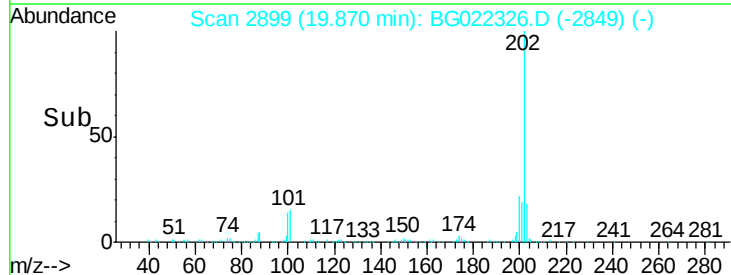
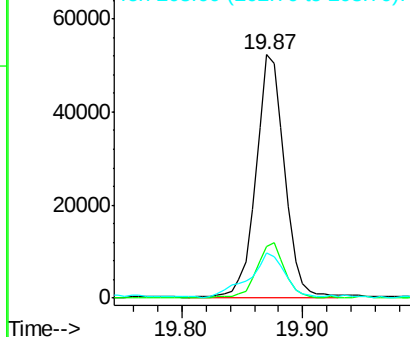
Ion	Ratio	Lower	Upper
202	100		
200	21.4	18.2	27.2
203	18.5	15.0	22.4

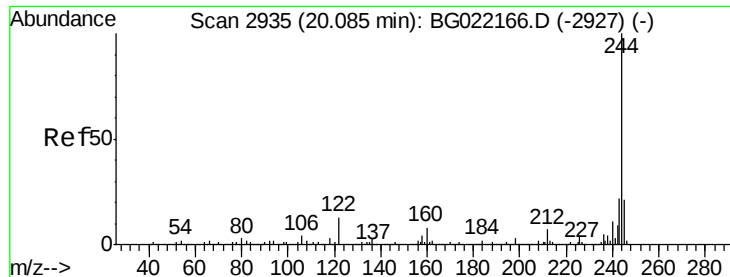


Abundance Ion 202.00 (201.70 to 202.70): E

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)

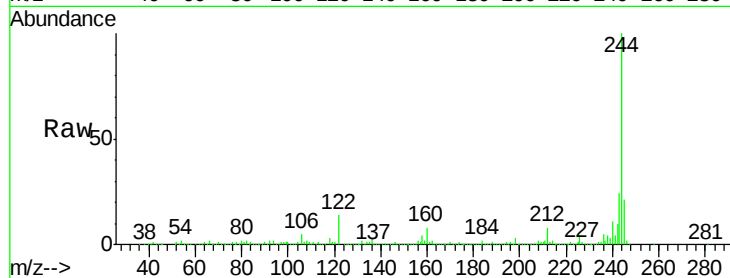
Tgt Ion:244 Resp: 698151

Ion Ratio Lower Upper

244 100

212 7.8 6.5 9.7

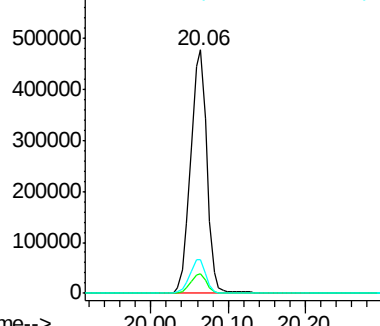
122 13.8 8.6 12.8#



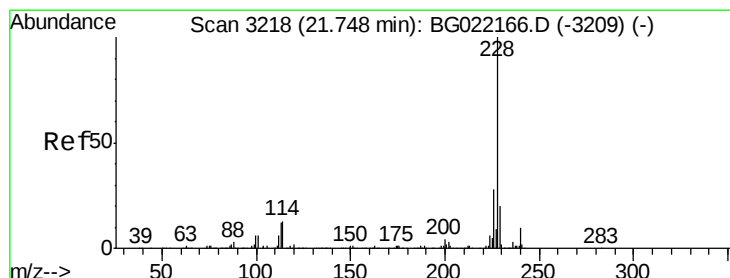
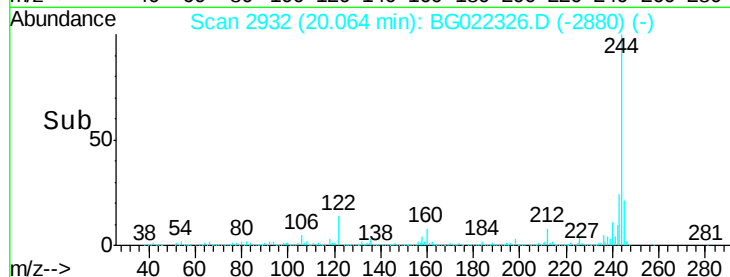
Abundance Ion 244.00 (243.70 to 244.70): E

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

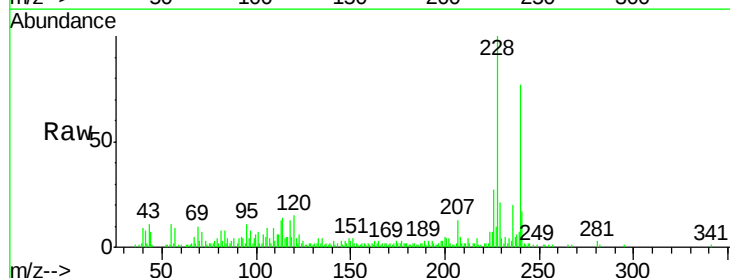
Tgt Ion:228 Resp: 38828

Ion Ratio Lower Upper

228 100

226 27.3 22.6 34.0

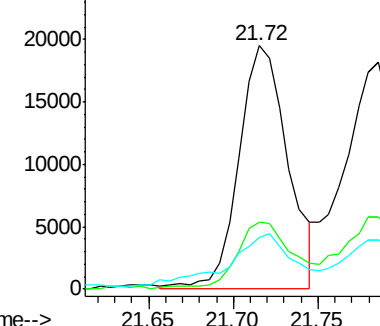
229 21.3 16.1 24.1



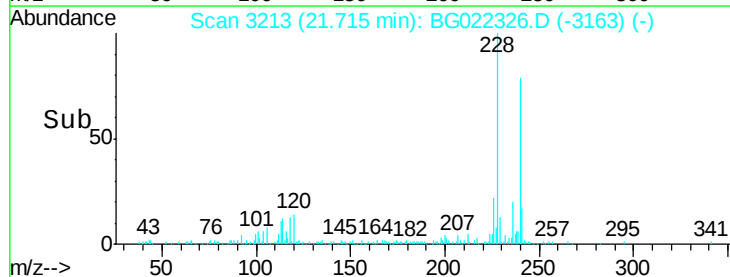
Abundance Ion 228.00 (227.70 to 228.70): E

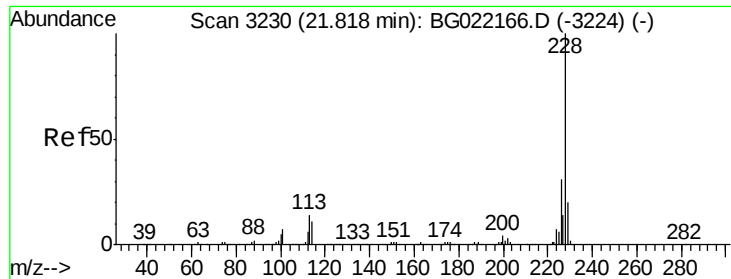
Ion 226.00 (225.70 to 226.70): E

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)

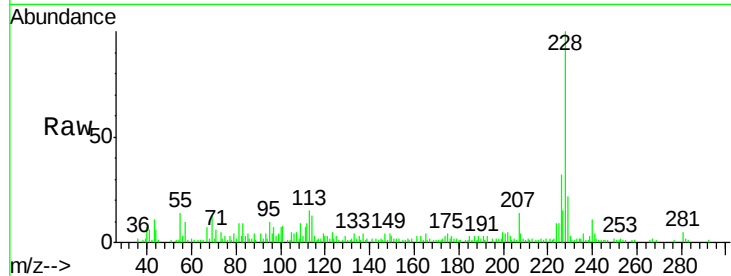
Tgt Ion:228 Resp: 40053

Ion Ratio Lower Upper

228 100

226 32.1 25.4 38.0

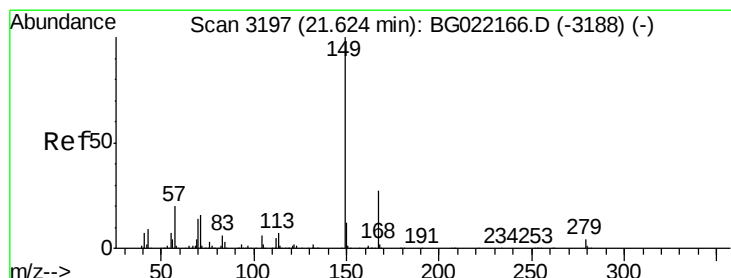
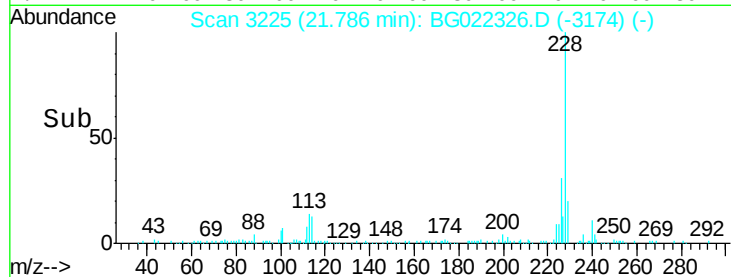
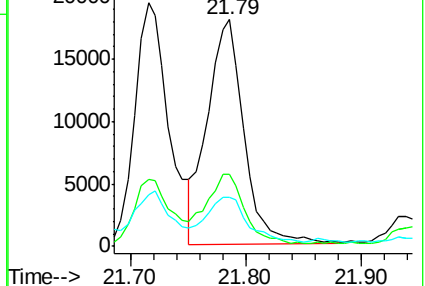
229 21.6 15.9 23.9



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

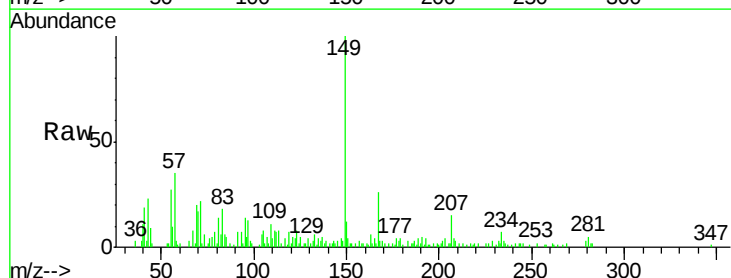
Tgt Ion:149 Resp: 21450

Ion Ratio Lower Upper

149 100

167 26.1 22.4 33.6

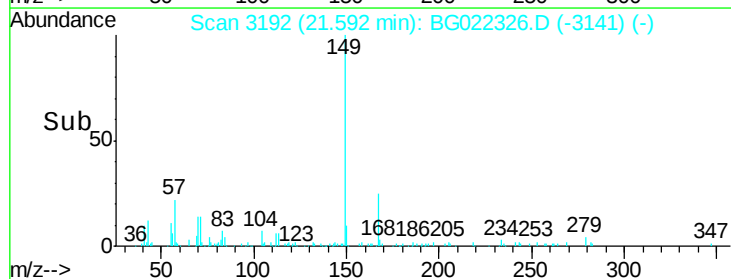
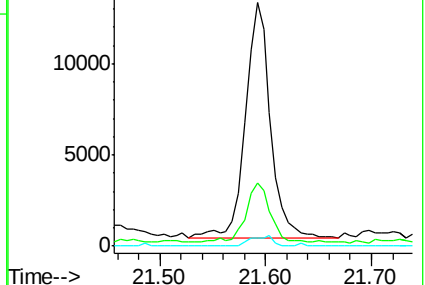
279 3.5 3.2 4.8

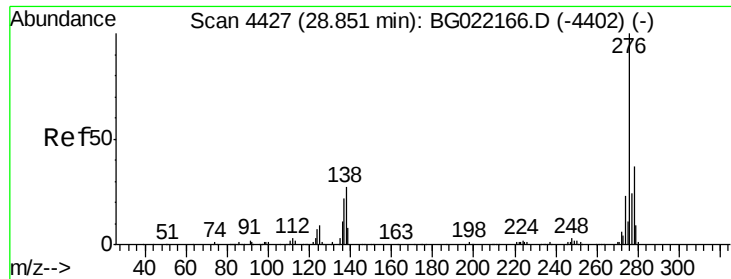


Abundance Ion 149.00 (148.70 to 149.70): E

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: 2.13 ng

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)

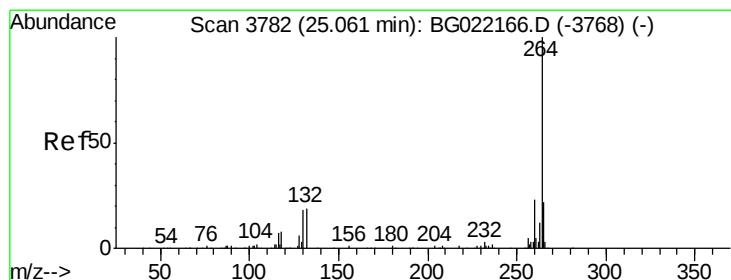
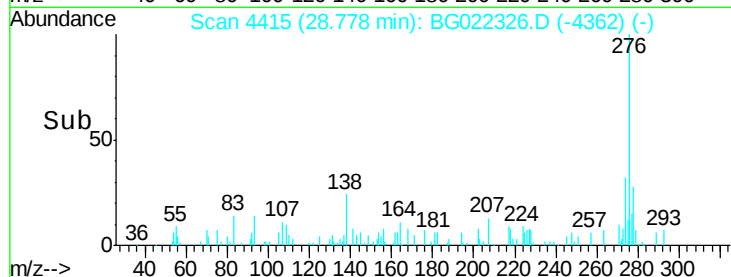
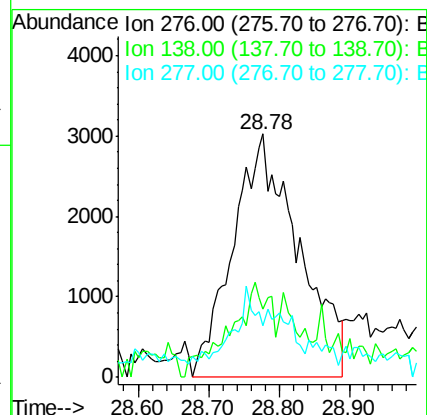
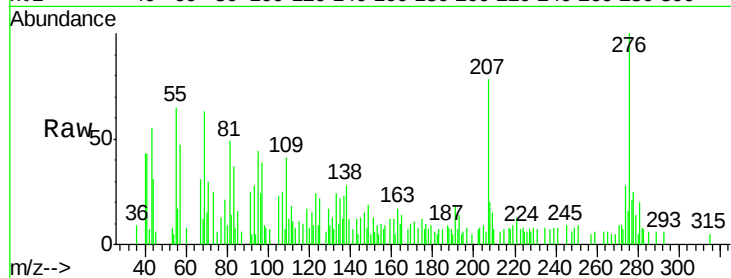
Tgt Ion:276 Resp: 19576

Ion Ratio Lower Upper

276 100

138 24.1 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

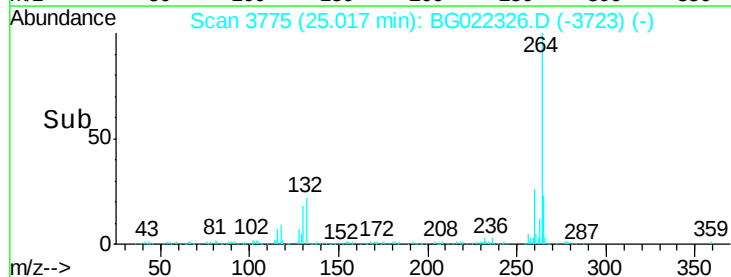
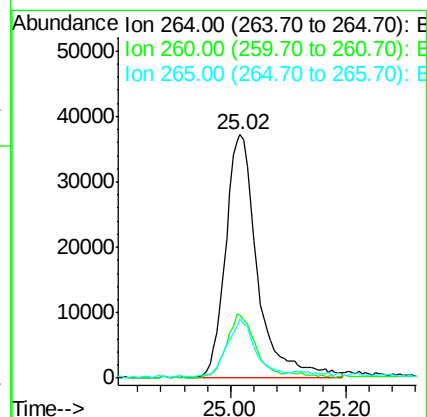
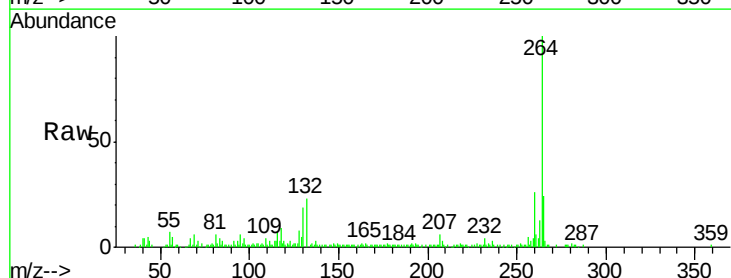
Tgt Ion:264 Resp: 143167

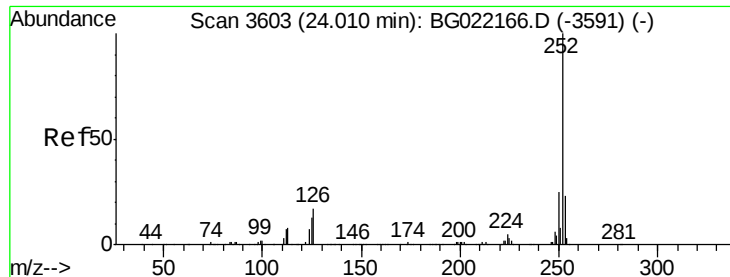
Ion Ratio Lower Upper

264 100

260 26.0 20.2 30.4

265 24.1 17.8 26.8

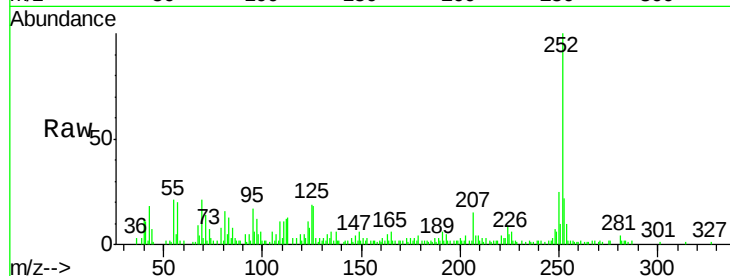




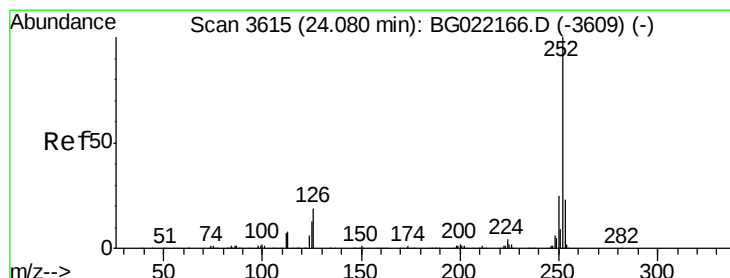
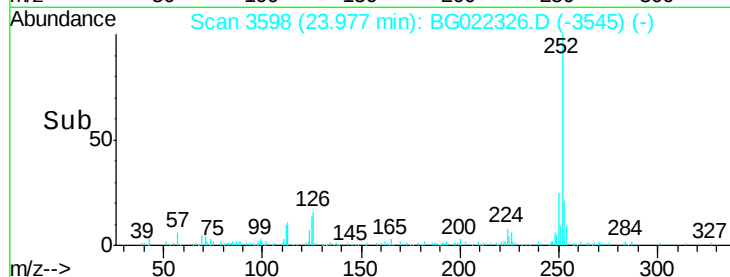
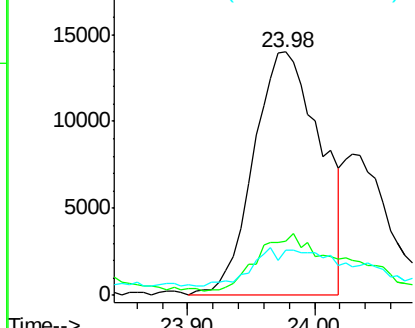
#87
Benzo(b)fluoranthene
Concen: 6.15 ng
RT: 23.98 min Scan# 3598
Delta R.T. 0.01 min
Lab File: BG022326.D
Acq: 13 Jun 2016 16:18

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

Tgt Ion:252 Resp: 51326
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 18.7 8.6 13.0#

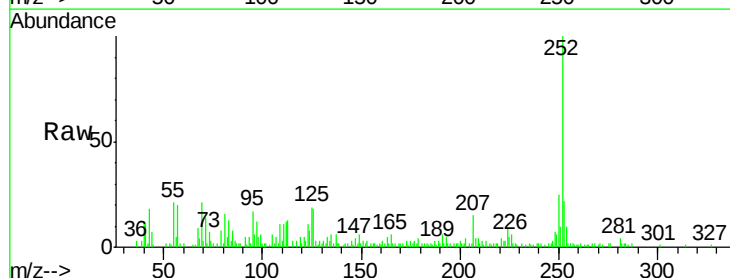


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

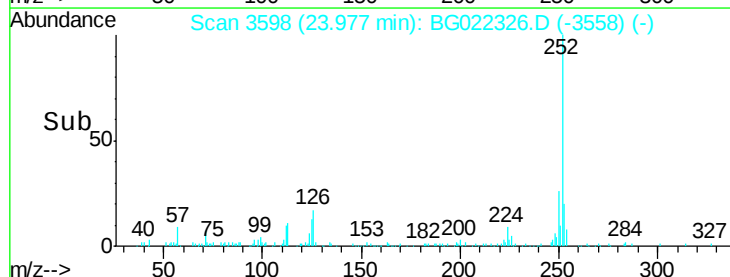
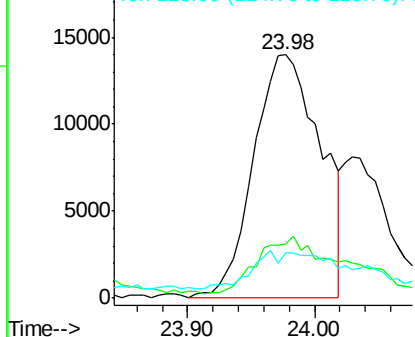


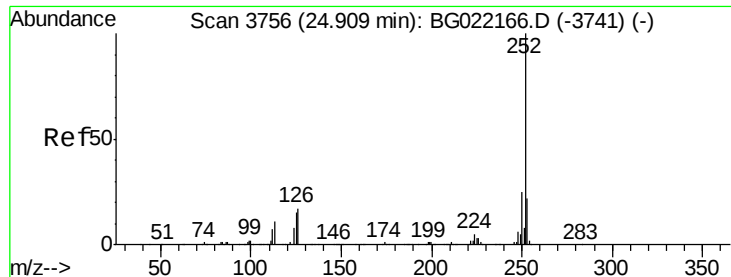
#88
Benzo(k)fluoranthene
Concen: 6.24 ng
RT: 23.98 min Scan# 3598
Delta R.T. -0.07 min
Lab File: BG022326.D
Acq: 13 Jun 2016 16:18

Tgt Ion:252 Resp: 51326
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.8
125 18.7 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

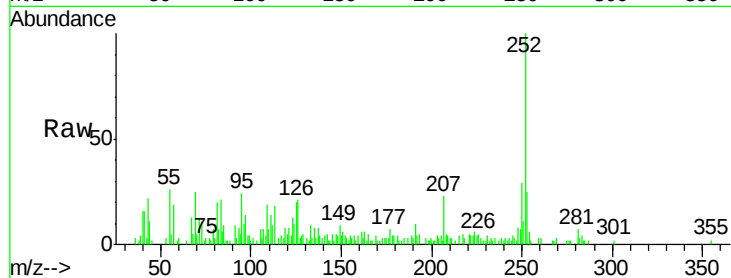
Acq: 13 Jun 2016 16:18

Instrument :

BNA_G

ClientSampleId :

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



Tgt Ion:	252	Resp:	31838
Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.1	25.7
125	20.3	9.6	14.4

