

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061716\
 Data File : BG022433.D
 Acq On : 18 Jun 2016 21:18
 Operator : UM/SJ
 Sample : H3471-10
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 STA-1045-(0-4)

Quant Time: Jun 20 01:25:40 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

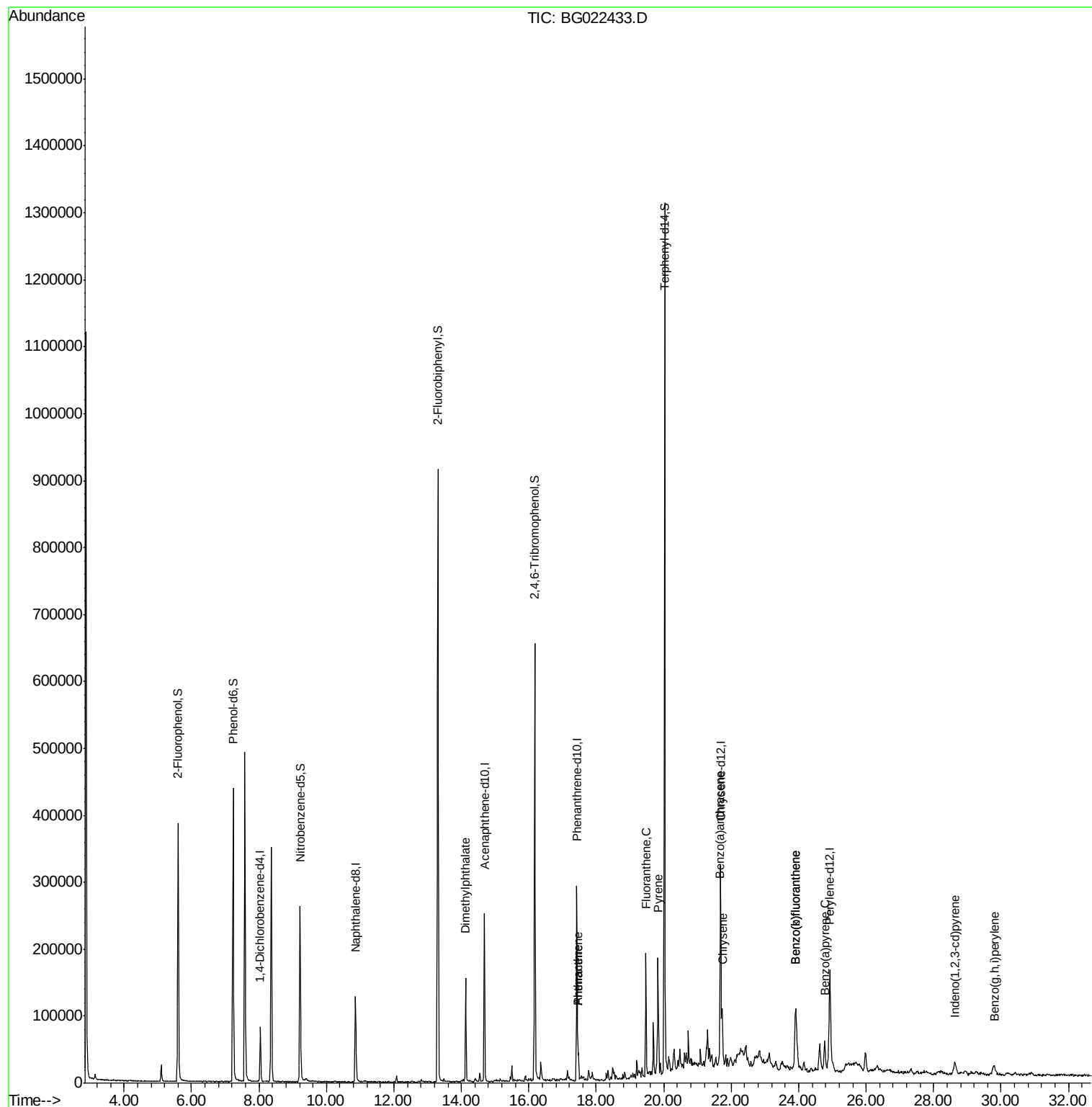
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	28652	20.00	ng	-0.05
21) Naphthalene-d8	10.86	136	146935	20.00	ng	-0.04
38) Acenaphthene-d10	14.68	164	94268	20.00	ng	-0.04
63) Phenanthrene-d10	17.43	188	199679	20.00	ng	-0.04
75) Chrysene-d12	21.69	240	161480	20.00	ng	-0.05
86) Perylene-d12	24.92	264	153204	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	256567	173.13	ng	-0.04
7) Phenol-d6	7.23	99	392441	168.43	ng	-0.02
23) Nitrobenzene-d5	9.22	82	214566	101.81	ng	-0.04
41) 2,4,6-Tribromophenol	16.17	330	133289	125.13	ng	-0.04
44) 2-Fluorobiphenyl	13.30	172	541652	87.56	ng	-0.04
78) Terphenyl-d14	20.02	244	594312	87.38	ng	-0.04
Target Compounds						Qvalue
49) Dimethylphthalate	14.12	163	127610	16.33	ng	100
70) Phenanthrene	17.47	178	27927	2.58	ng	95
71) Anthracene	17.47	178	27927	2.60	ng	97
74) Fluoranthene	19.47	202	118676	9.52	ng	96
77) Pyrene	19.83	202	117924	11.75	ng	98
80) Benzo(a)anthracene	21.67	228	58756	6.49	ng	95
82) Chrysene	21.73	228	59746	6.78	ng	98
85) Indeno(1,2,3-cd)pyrene	28.63	276	30197	3.05	ng	98
87) Benzo(b)fluoranthene	23.90	252	79340	8.88	ng	# 94
88) Benzo(k)fluoranthene	23.90	252	79340	9.02	ng	# 94
89) Benzo(a)pyrene	24.77	252	42033	4.92	ng	# 86
91) Benzo(g,h,i)perylene	29.79	276	28406	3.39	ng	# 92

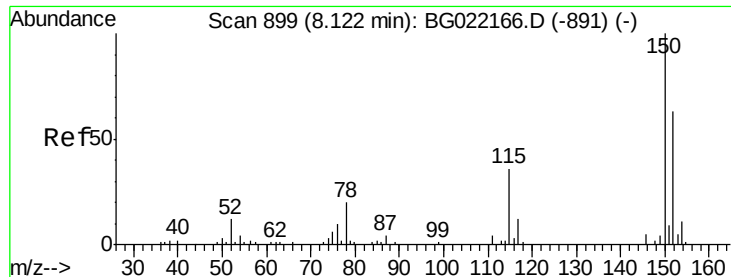
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061716\
Data File : BG022433.D
Acq On : 18 Jun 2016 21:18
Operator : UM/SJ
Sample : H3471-10
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
STA-1045-(0-4)

Quant Time: Jun 20 01:25:40 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.04 min Scan# 885

Delta R.T. -0.05 min

Lab File: BG022433.D

Acq: 18 Jun 2016 21:18

Instrument :

BNA_G

ClientSampleId :

STA-1045-(0-4)

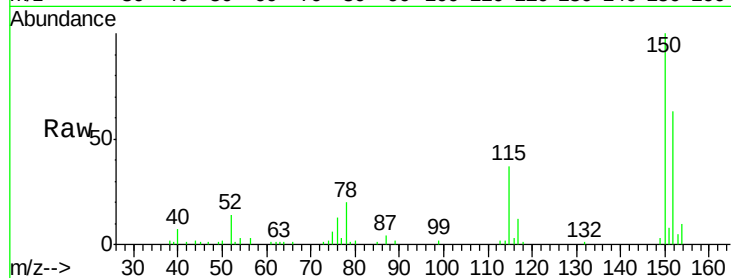
Tgt Ion:152 Resp: 28652

Ion Ratio Lower Upper

152 100

150 158.6 130.1 195.1

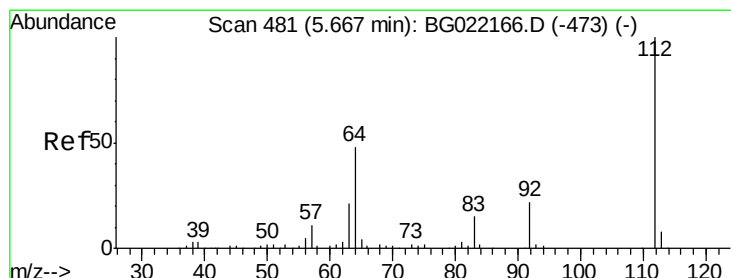
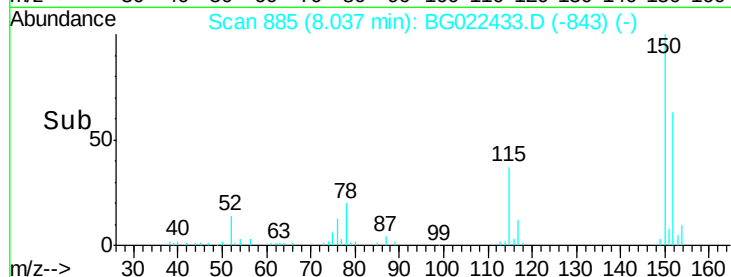
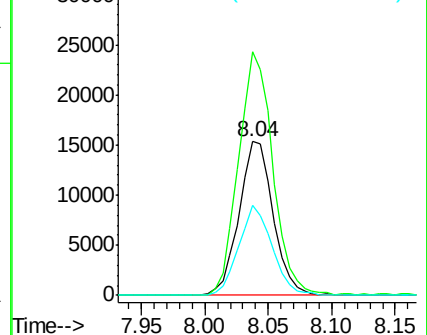
115 58.9 62.2 93.2#



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: 173.13 ng

RT: 5.60 min Scan# 470

Delta R.T. -0.04 min

Lab File: BG022433.D

Acq: 18 Jun 2016 21:18

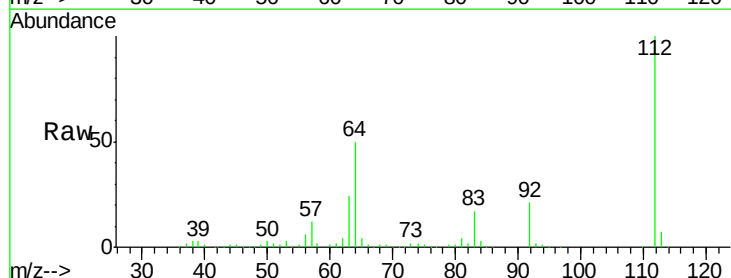
Tgt Ion:112 Resp: 256567

Ion Ratio Lower Upper

112 100

64 50.3 51.1 76.7#

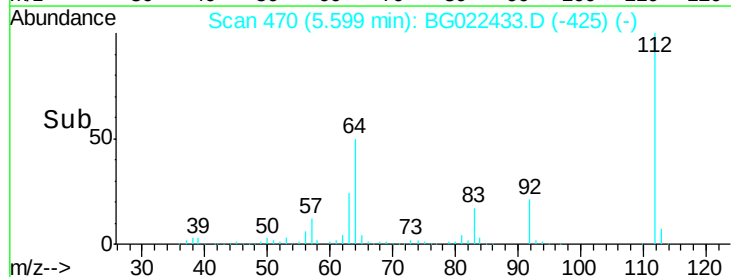
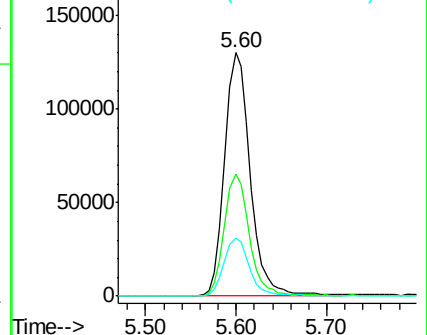
63 23.9 24.6 37.0#

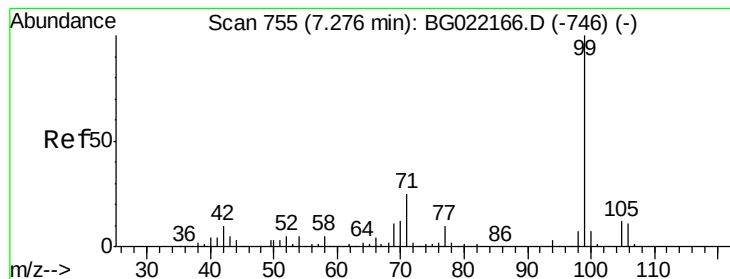


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 168.43 ng

RT: 7.23 min Scan# 748

Delta R.T. -0.02 min

Lab File: BG022433.D

Acq: 18 Jun 2016 21:18

Instrument :

BNA_G

ClientSampleId :

STA-1045-(0-4)

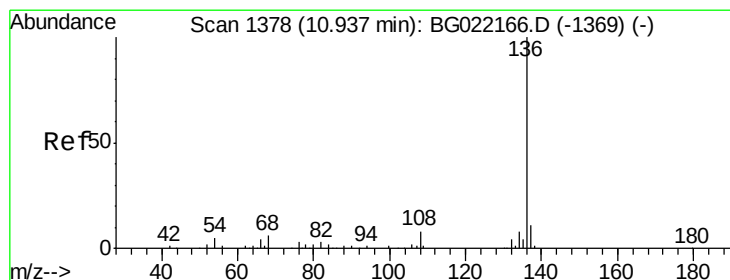
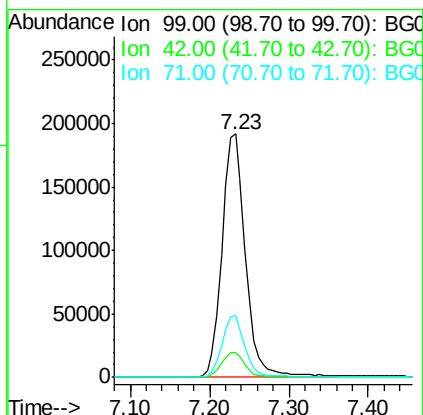
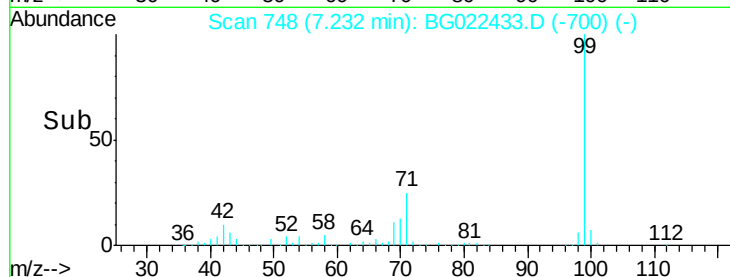
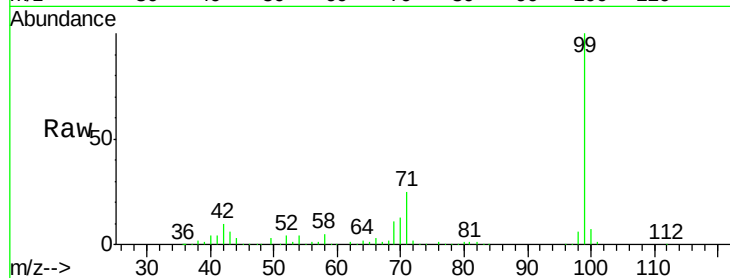
Tgt Ion: 99 Resp: 392441

Ion Ratio Lower Upper

99 100

42 10.3 16.4 24.6#

71 25.3 25.0 37.4



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.86 min Scan# 1366

Delta R.T. -0.04 min

Lab File: BG022433.D

Acq: 18 Jun 2016 21:18

Tgt Ion: 136 Resp: 146935

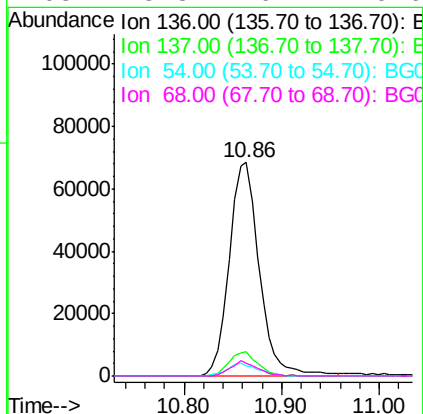
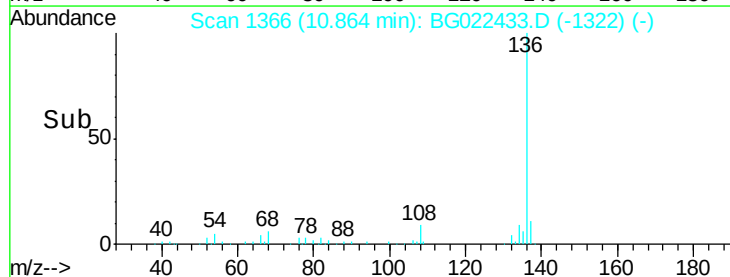
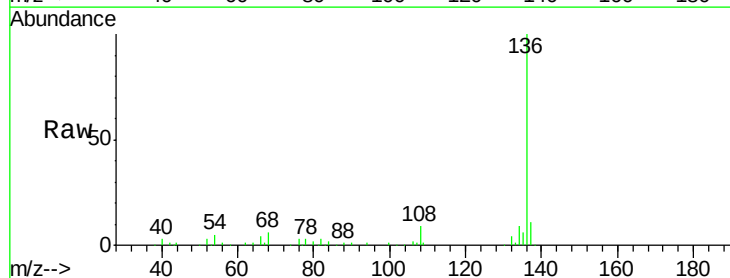
Ion Ratio Lower Upper

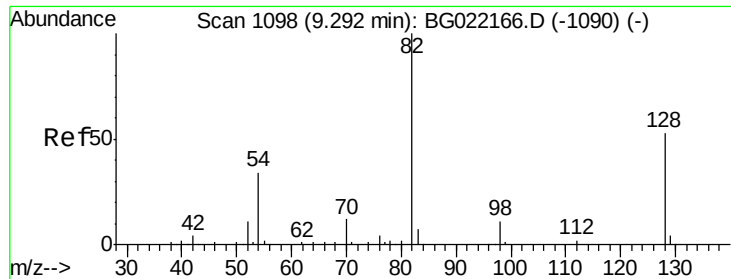
136 100

137 11.1 9.0 13.4

54 5.1 9.6 14.4#

68 5.8 6.4 9.6#

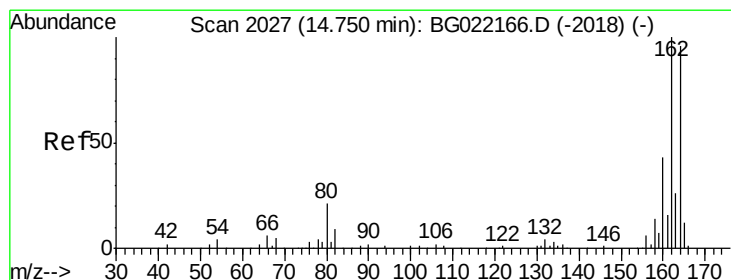
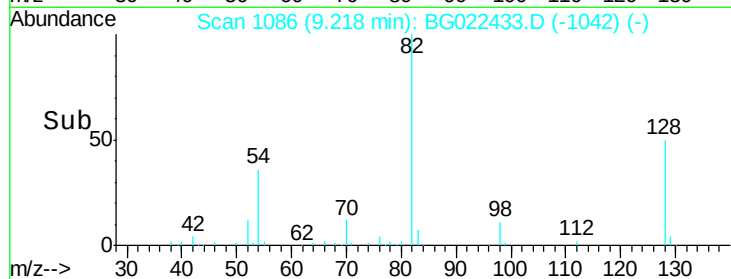
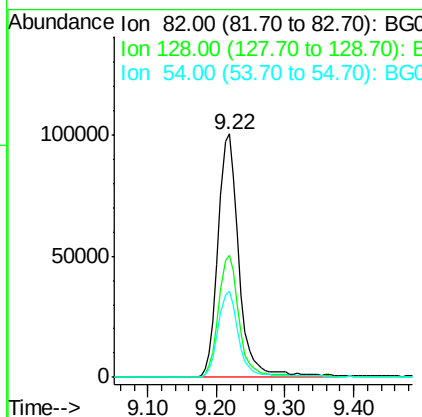
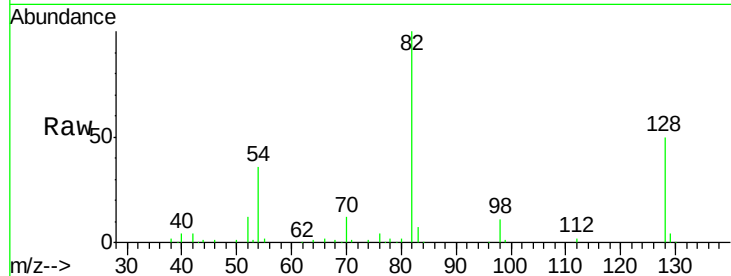




#23
 Nitrobenzene-d5
 Concen: 101.81 ng
 RT: 9.22 min Scan# 1086
 Delta R.T. -0.04 min
 Lab File: BG022433.D
 Acq: 18 Jun 2016 21:18

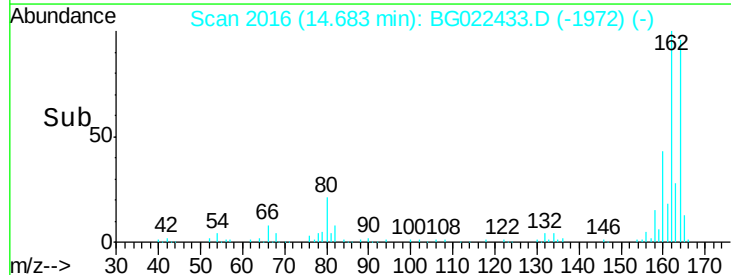
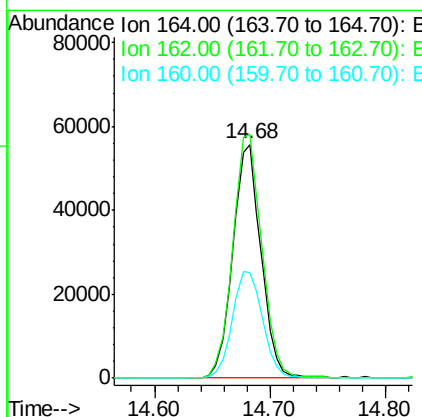
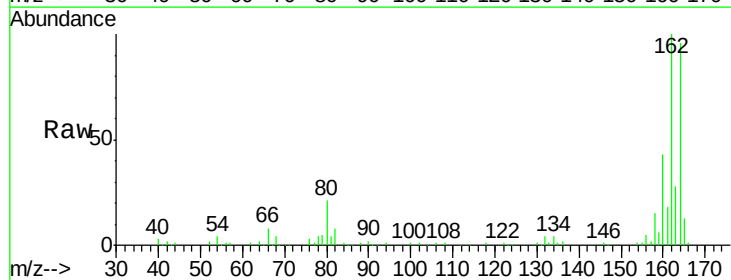
Instrument :
 BNA_G
 ClientSampleId :
 STA-1045-(0-4)

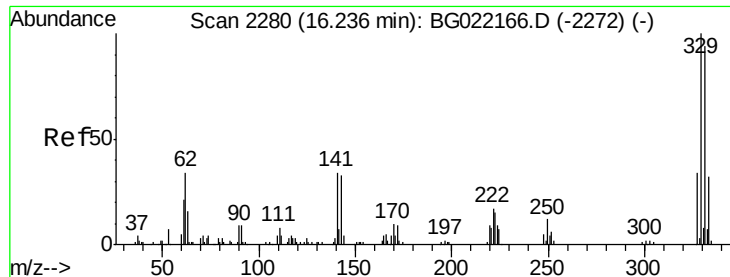
Tgt Ion	Ratio	Lower	Upper
82	100		
128	49.9	33.4	50.0
54	35.5	46.1	69.1#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.68 min Scan# 2016
 Delta R.T. -0.04 min
 Lab File: BG022433.D
 Acq: 18 Jun 2016 21:18

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.3	78.0	117.0
160	45.0	32.9	49.3





#41

2,4,6-Tribromophenol

Concen: 125.13 ng

RT: 16.17 min Scan# 2270

Delta R.T. -0.04 min

Lab File: BG022433.D

Acq: 18 Jun 2016 21:18

Instrument :

BNA_G

ClientSampleId :

STA-1045-(0-4)

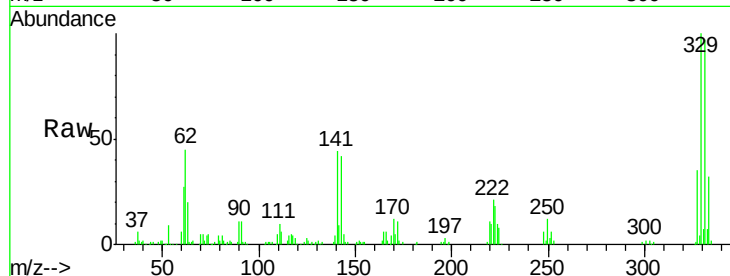
Tgt Ion:330 Resp: 133289

Ion Ratio Lower Upper

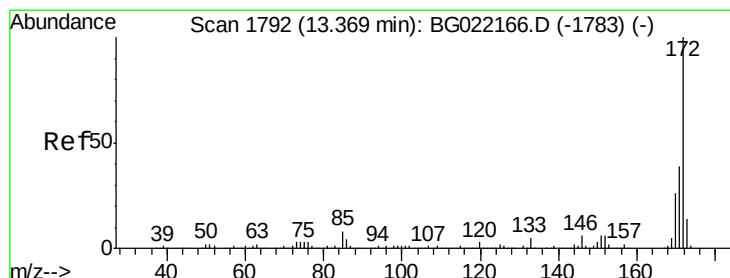
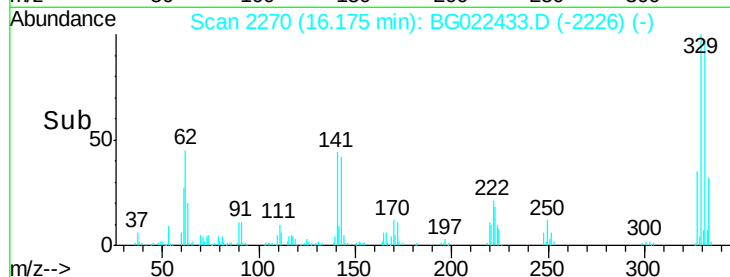
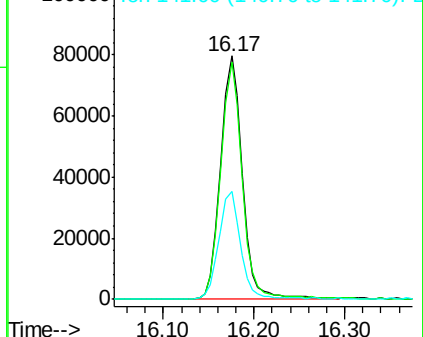
330 100

332 96.6 78.0 117.0

141 44.1 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: 87.56 ng

RT: 13.30 min Scan# 1781

Delta R.T. -0.04 min

Lab File: BG022433.D

Acq: 18 Jun 2016 21:18

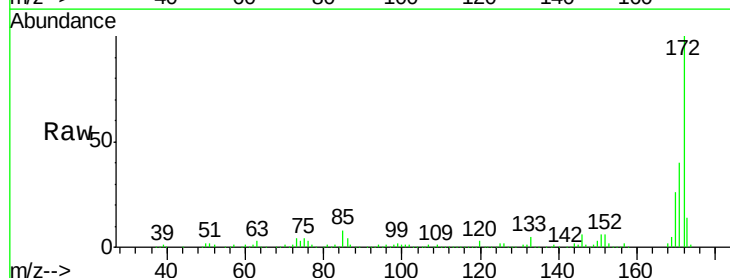
Tgt Ion:172 Resp: 541652

Ion Ratio Lower Upper

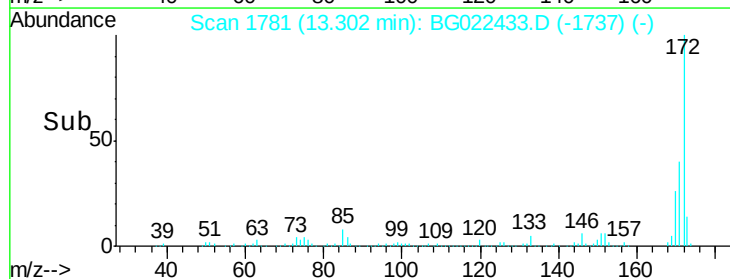
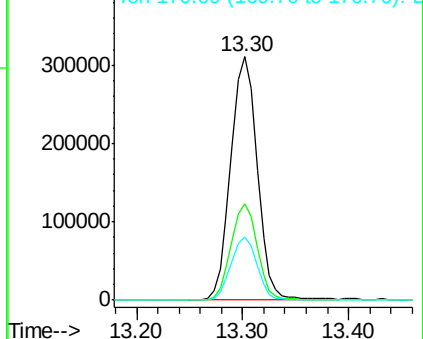
172 100

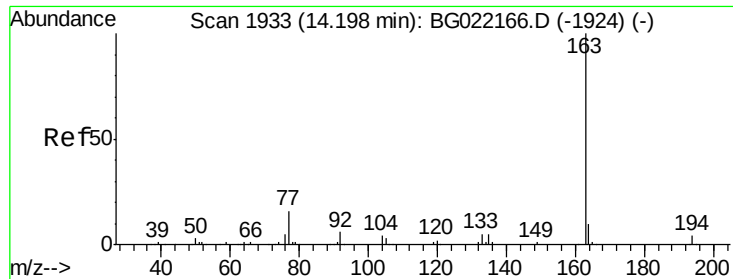
171 39.6 27.8 41.6

170 26.2 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

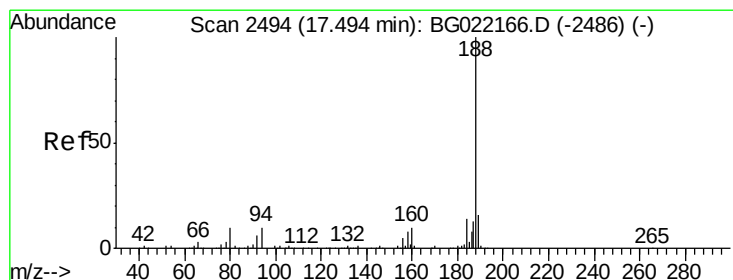
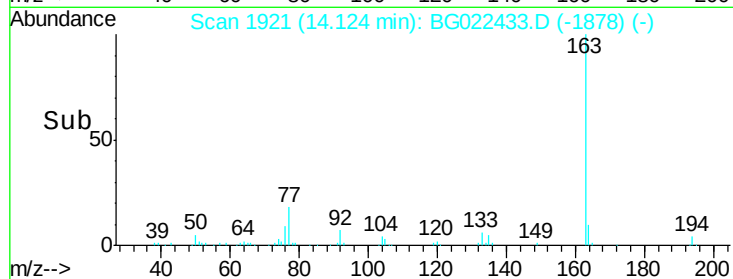
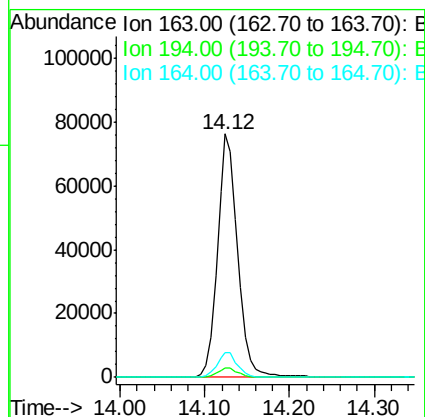
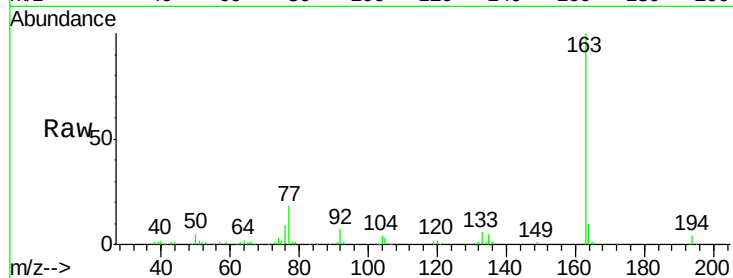




#49
Dimethylphthalate
Concen: 16.33 ng
RT: 14.12 min Scan# 1921
Delta R.T. -0.05 min
Lab File: BG022433.D
Acq: 18 Jun 2016 21:18

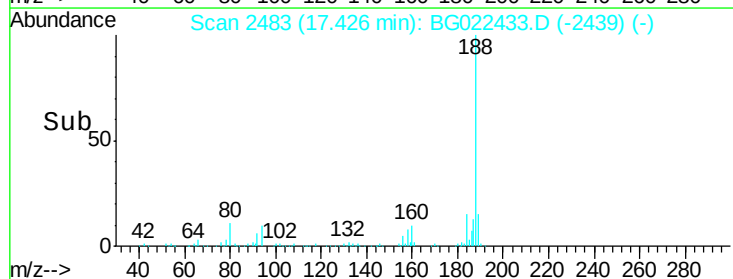
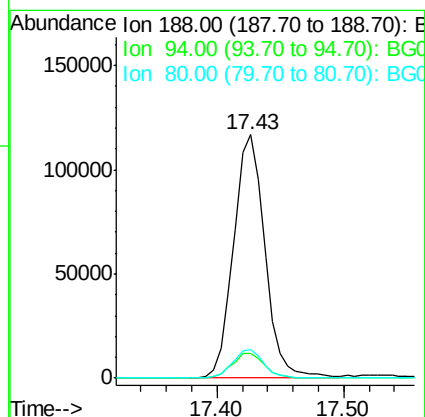
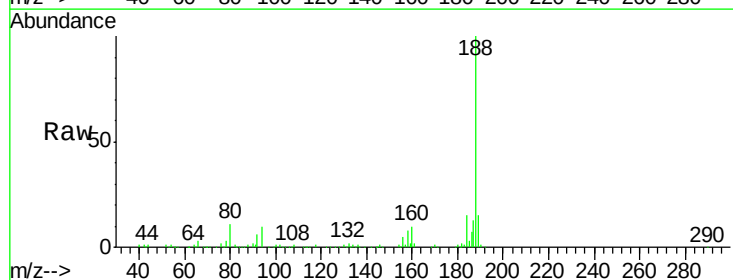
Instrument :
BNA_G
ClientSampleId :
STA-1045-(0-4)

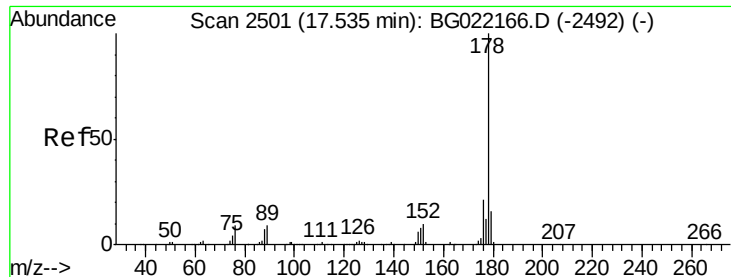
Tgt Ion:163 Resp: 127610
Ion Ratio Lower Upper
163 100
194 3.8 3.0 4.6
164 10.3 8.1 12.1



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.43 min Scan# 2483
Delta R.T. -0.04 min
Lab File: BG022433.D
Acq: 18 Jun 2016 21:18

Tgt Ion:188 Resp: 199679
Ion Ratio Lower Upper
188 100
94 10.4 7.5 11.3
80 11.5 8.6 13.0





#70

Phenanthrene

Concen: 2.58 ng

RT: 17.47 min Scan# 2490

Delta R.T. -0.04 min

Lab File: BG022433.D

Acq: 18 Jun 2016 21:18

Instrument :

BNA_G

ClientSampleId :

STA-1045-(0-4)

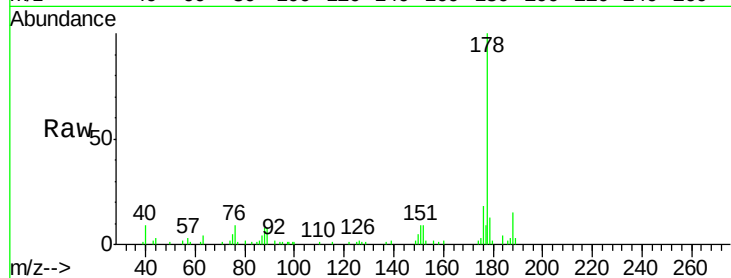
Tgt Ion:178 Resp: 27927

Ion Ratio Lower Upper

178 100

176 18.2 16.2 24.4

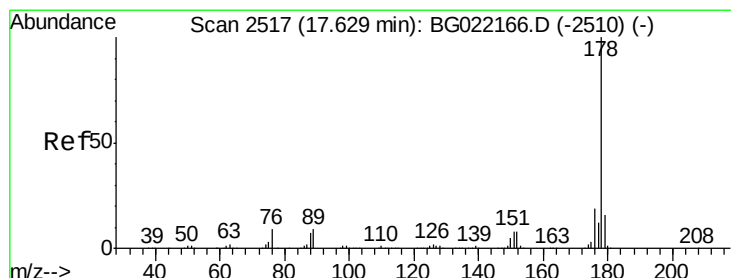
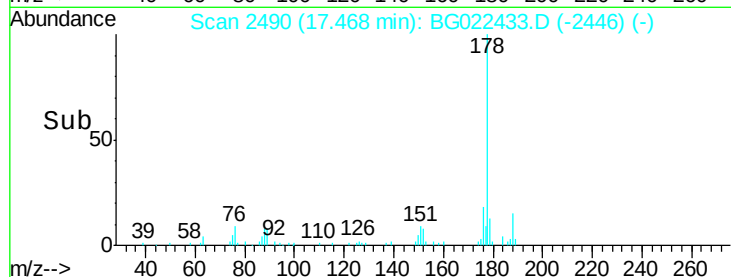
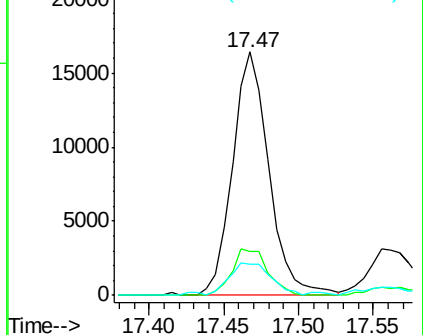
179 13.0 12.0 18.0



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: 2.60 ng

RT: 17.47 min Scan# 2490

Delta R.T. -0.14 min

Lab File: BG022433.D

Acq: 18 Jun 2016 21:18

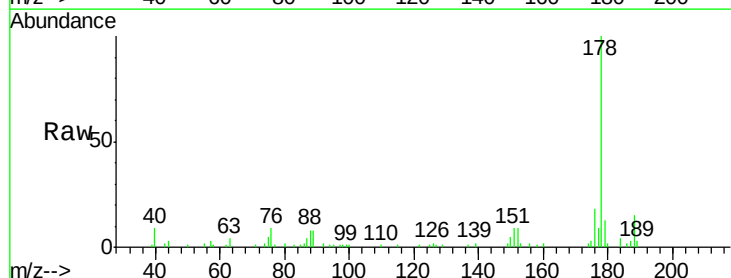
Tgt Ion:178 Resp: 27927

Ion Ratio Lower Upper

178 100

176 18.2 15.0 22.4

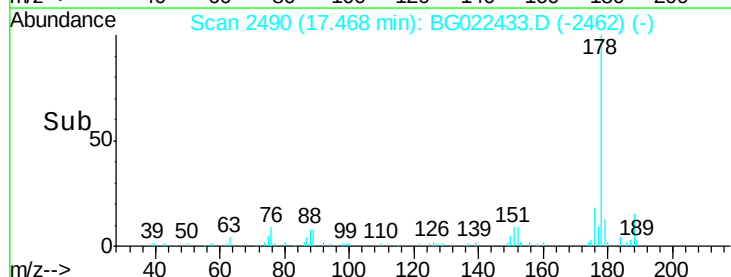
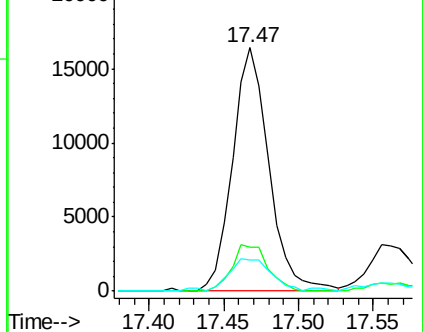
179 13.0 12.2 18.4

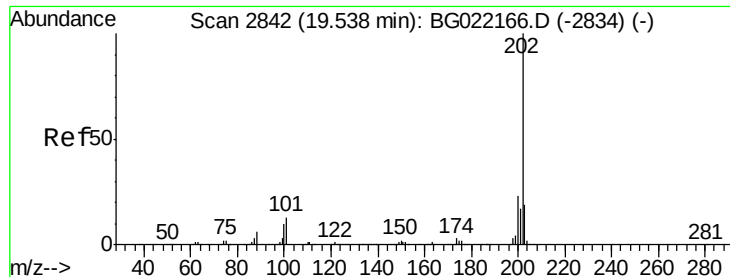


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 9.52 ng

RT: 19.47 min Scan# 2831

Delta R.T. -0.04 min

Lab File: BG022433.D

Acq: 18 Jun 2016 21:18

Instrument :

BNA_G

ClientSampleId :

STA-1045-(0-4)

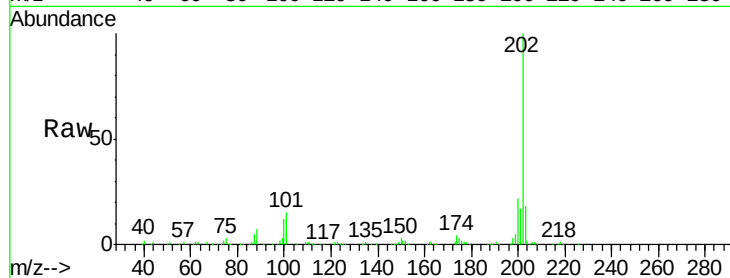
Tgt Ion:202 Resp: 118676

Ion Ratio Lower Upper

202 100

101 14.9 0.0 31.0

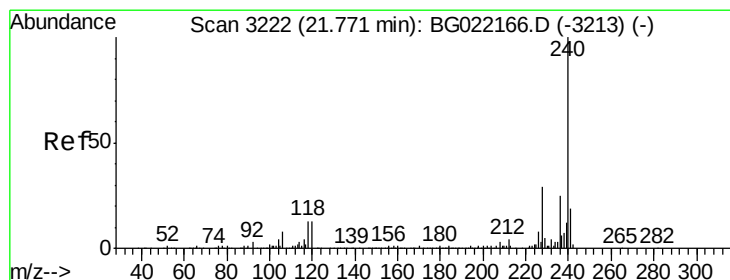
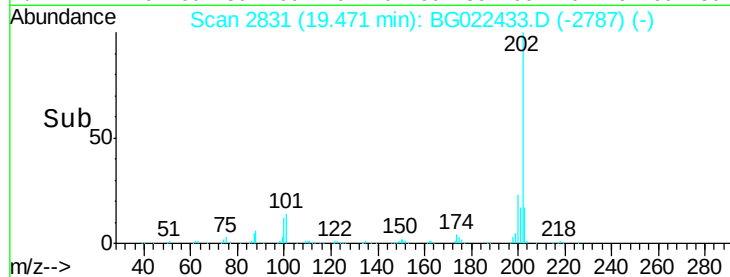
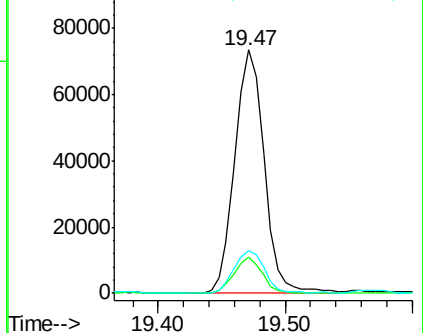
203 17.5 0.0 37.9



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: 21.69 min Scan# 3208

Delta R.T. -0.05 min

Lab File: BG022433.D

Acq: 18 Jun 2016 21:18

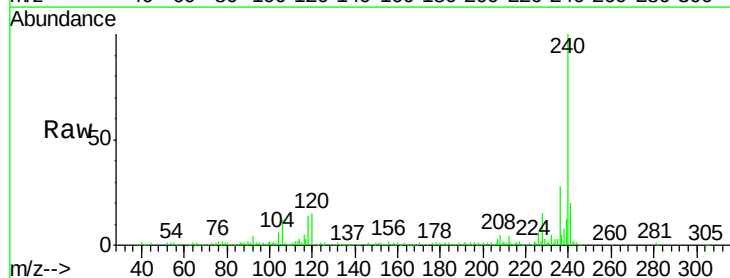
Tgt Ion:240 Resp: 161480

Ion Ratio Lower Upper

240 100

120 15.4 8.4 12.6#

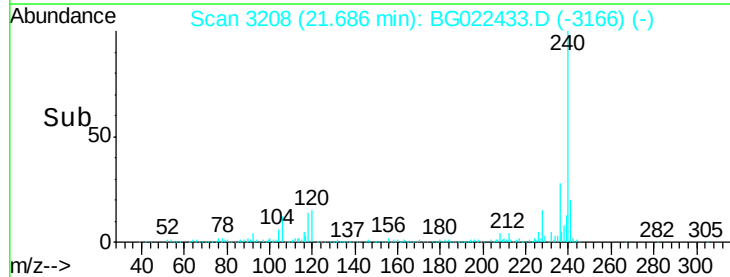
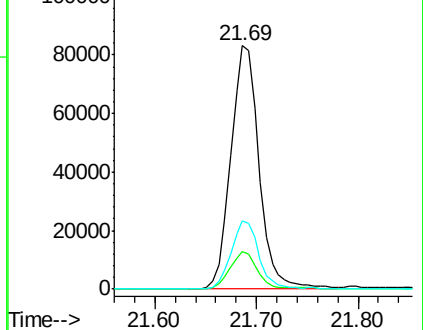
236 27.8 19.6 29.4

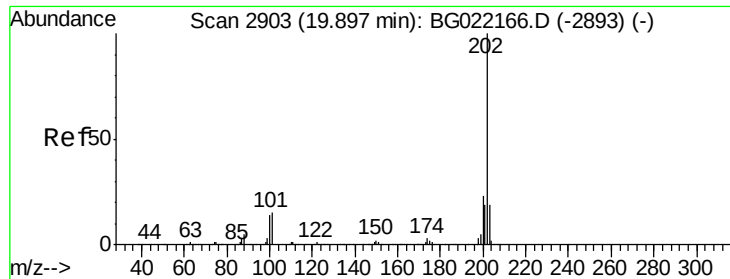


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

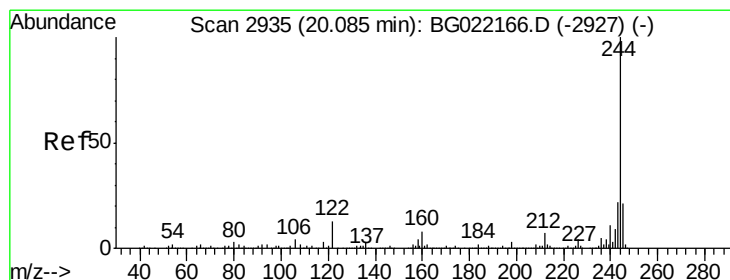
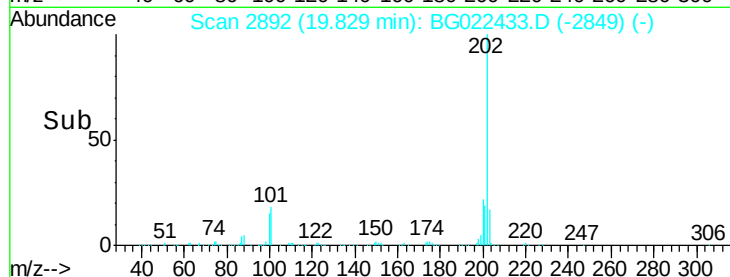
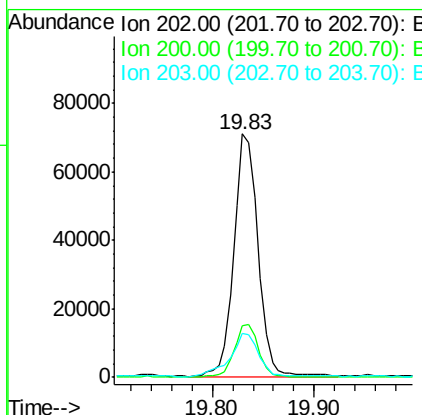
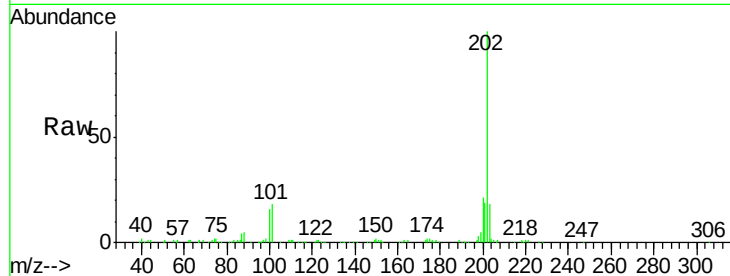




#77
 Pyrene
 Concen: 11.75 ng
 RT: 19.83 min Scan# 2892
 Delta R.T. -0.05 min
 Lab File: BG022433.D
 Acq: 18 Jun 2016 21:18

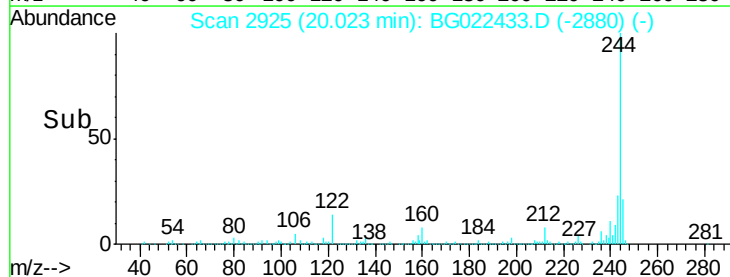
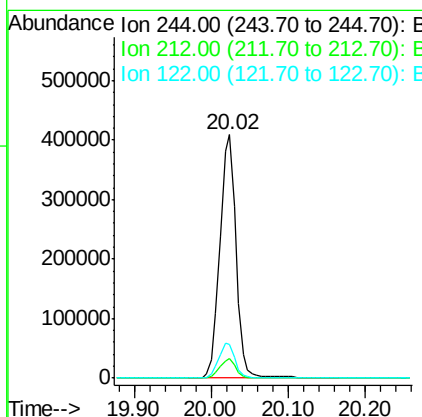
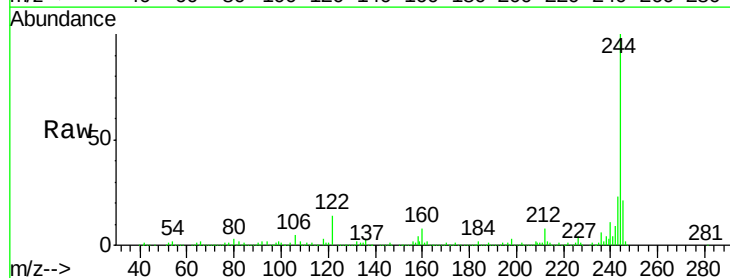
Instrument :
 BNA_G
 ClientSampleId :
 STA-1045-(0-4)

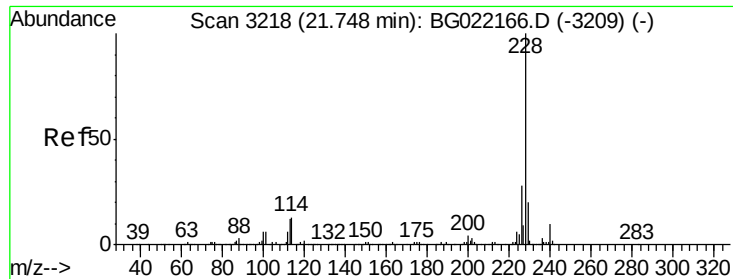
Tgt Ion:	202	Resp:	117924
Ion	Ratio	Lower	Upper
202	100		
200	21.4	18.2	27.2
203	18.0	15.0	22.4



#78
 Terphenyl-d14
 Concen: 87.38 ng
 RT: 20.02 min Scan# 2925
 Delta R.T. -0.04 min
 Lab File: BG022433.D
 Acq: 18 Jun 2016 21:18

Tgt Ion:	244	Resp:	594312
Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.5	9.7
122	13.7	8.6	12.8#





#80

Benzo(a)anthracene

Concen: 6.49 ng

RT: 21.67 min Scan# 3205

Delta R.T. -0.05 min

Lab File: BG022433.D

Acq: 18 Jun 2016 21:18

Instrument :

BNA_G

ClientSampleId :

STA-1045-(0-4)

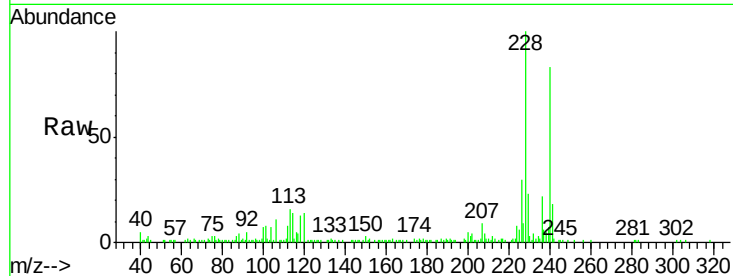
Tgt Ion:228 Resp: 58756

Ion Ratio Lower Upper

228 100

226 30.3 22.6 34.0

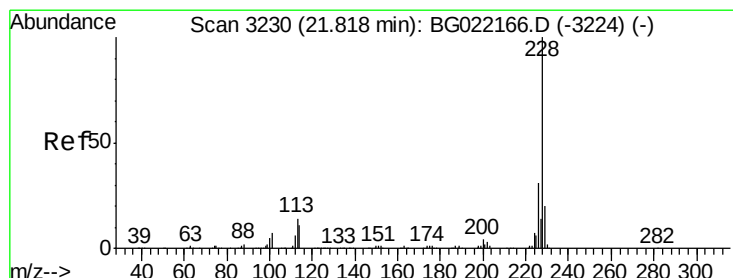
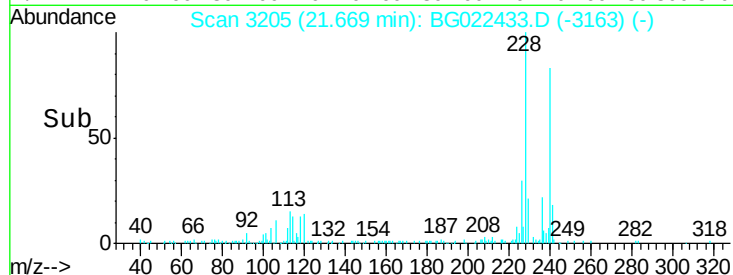
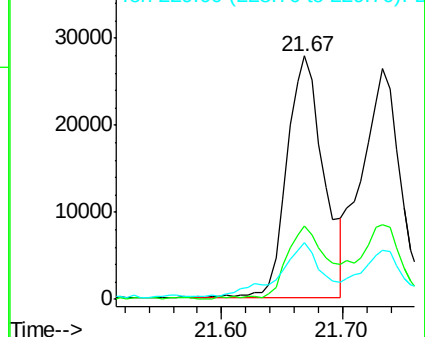
229 23.3 16.1 24.1



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



#82

Chrysene

Concen: 6.78 ng

RT: 21.73 min Scan# 3216

Delta R.T. -0.05 min

Lab File: BG022433.D

Acq: 18 Jun 2016 21:18

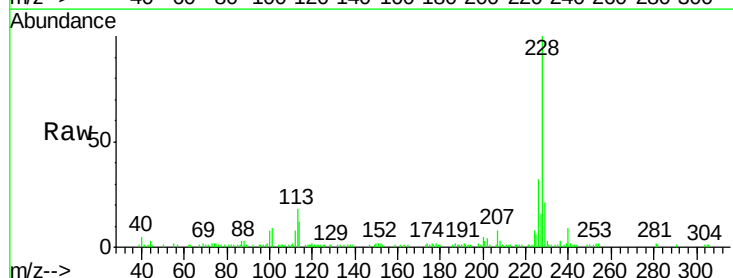
Tgt Ion:228 Resp: 59746

Ion Ratio Lower Upper

228 100

226 32.1 25.4 38.0

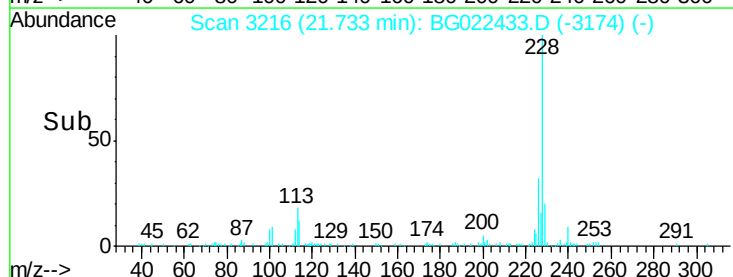
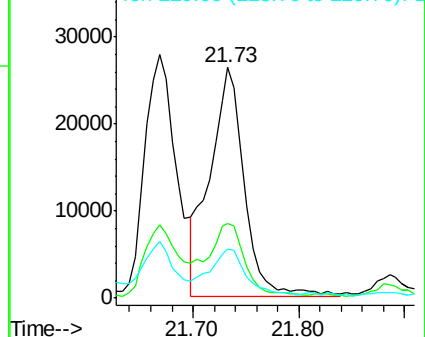
229 21.3 15.9 23.9

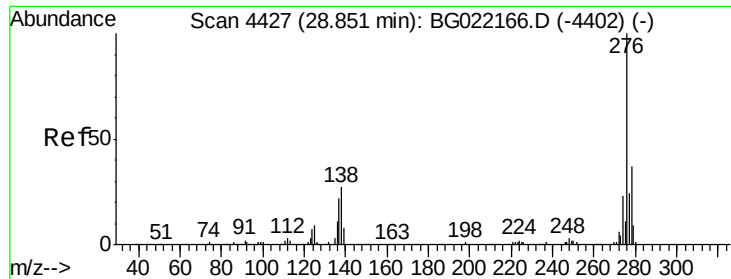


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.05 ng

RT: 28.63 min Scan# 4389

Delta R.T. -0.14 min

Lab File: BG022433.D

Acq: 18 Jun 2016 21:18

Instrument :

BNA_G

ClientSampleId :

STA-1045-(0-4)

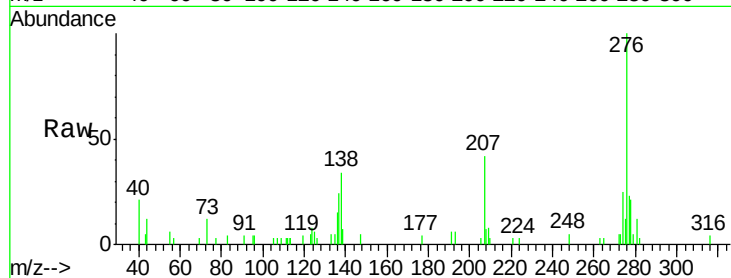
Tgt Ion:276 Resp: 30197

Ion Ratio Lower Upper

276 100

138 15.7 14.0 21.0

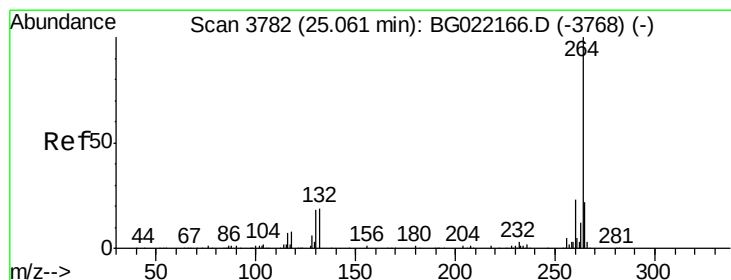
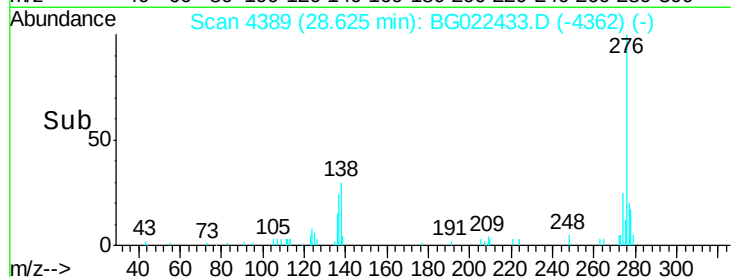
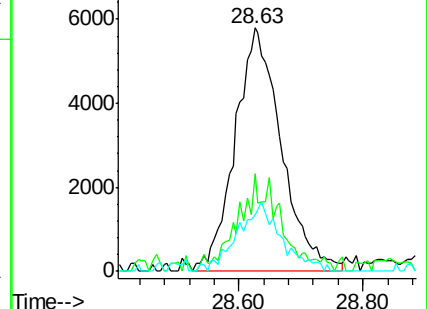
277 26.2 20.6 30.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 24.92 min Scan# 3759

Delta R.T. -0.09 min

Lab File: BG022433.D

Acq: 18 Jun 2016 21:18

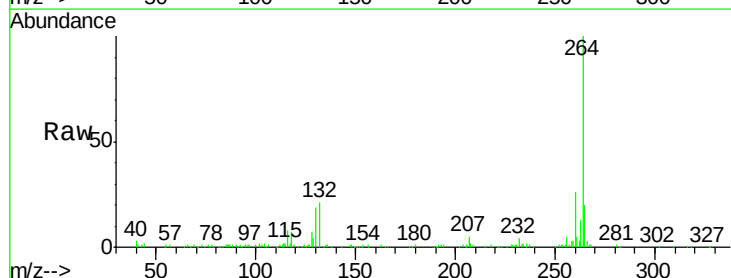
Tgt Ion:264 Resp: 153204

Ion Ratio Lower Upper

264 100

260 26.2 20.2 30.4

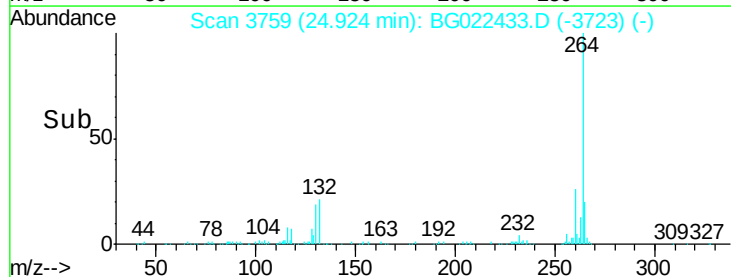
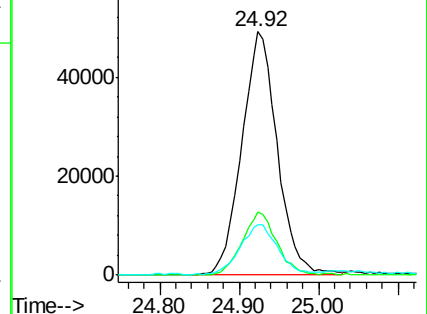
265 20.5 17.8 26.8

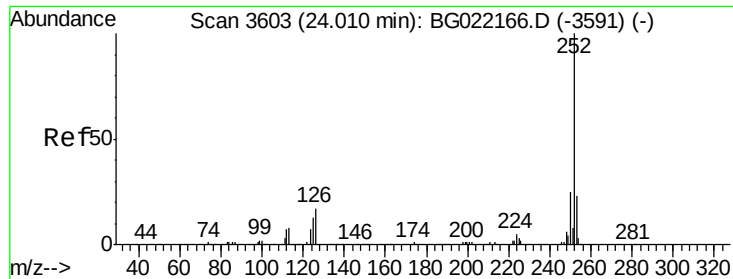


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

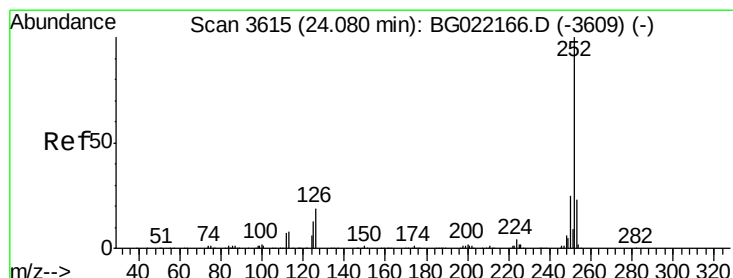
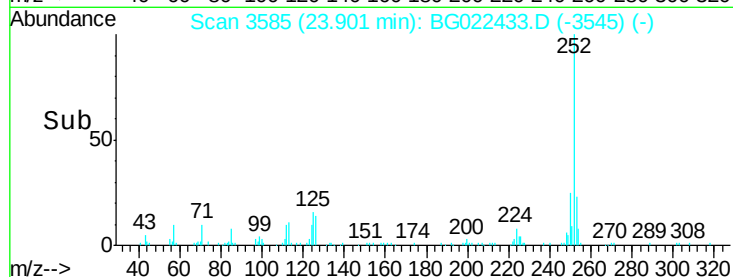
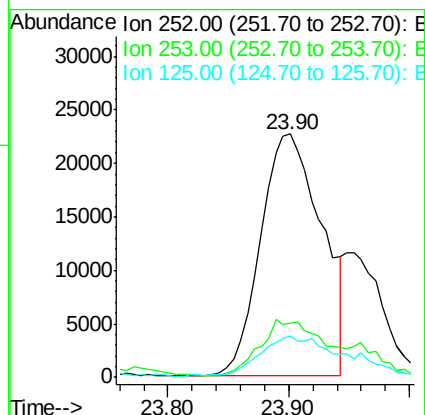
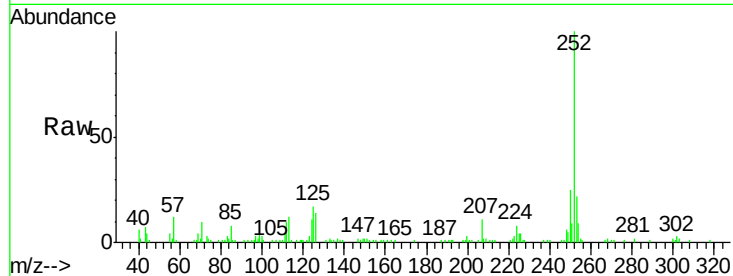




#87
Benzo(b)fluoranthene
Concen: 8.88 ng
RT: 23.90 min Scan# 3585
Delta R.T. -0.06 min
Lab File: BG022433.D
Acq: 18 Jun 2016 21:18

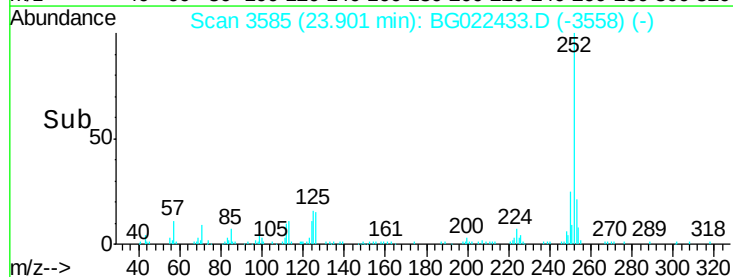
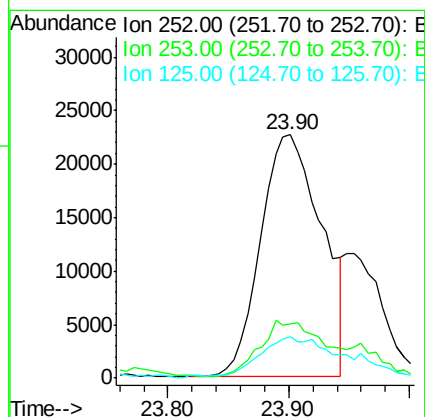
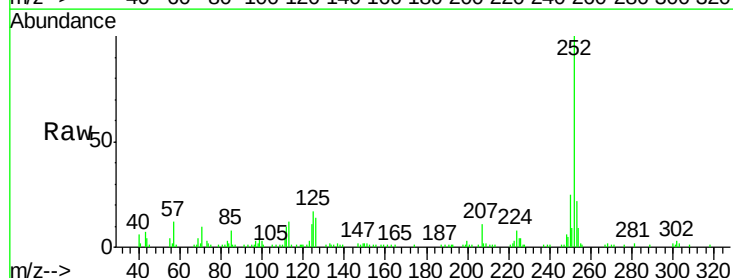
Instrument :
BNA_G
ClientSampleId :
STA-1045-(0-4)

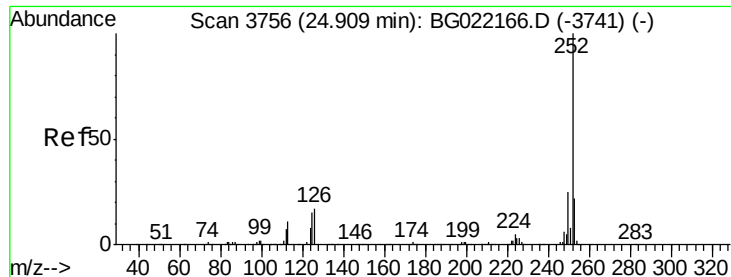
Tgt Ion:252 Resp: 79340
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 17.0 8.6 13.0#



#88
Benzo(k)fluoranthene
Concen: 9.02 ng
RT: 23.90 min Scan# 3585
Delta R.T. -0.14 min
Lab File: BG022433.D
Acq: 18 Jun 2016 21:18

Tgt Ion:252 Resp: 79340
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.8
125 17.0 8.3 12.5#





#89

Benzo(a)pyrene

Concen: 4.92 ng

RT: 24.77 min Scan# 3733

Delta R.T. -0.09 min

Lab File: BG022433.D

Acq: 18 Jun 2016 21:18

Instrument :

BNA_G

ClientSampleId :

STA-1045-(0-4)

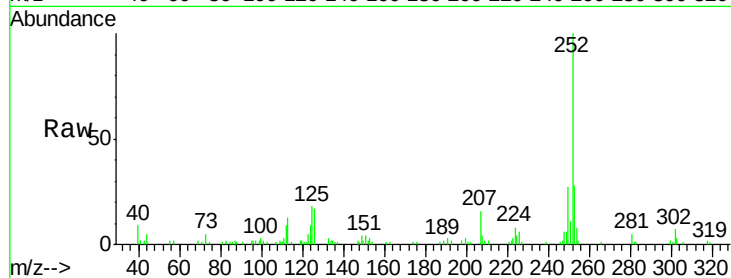
Tgt Ion:252 Resp: 42033

Ion Ratio Lower Upper

252 100

253 27.5 17.1 25.7#

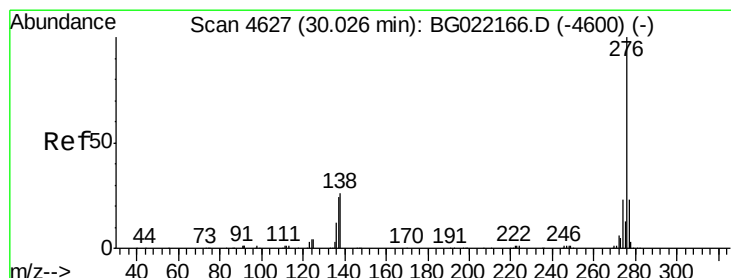
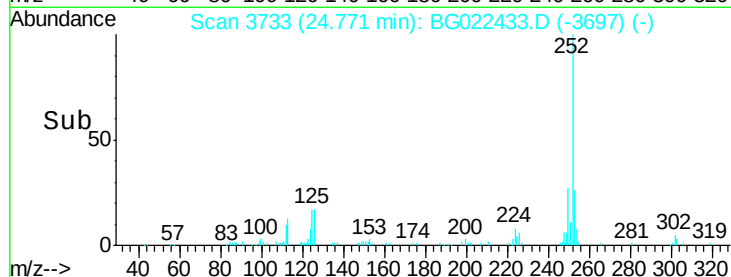
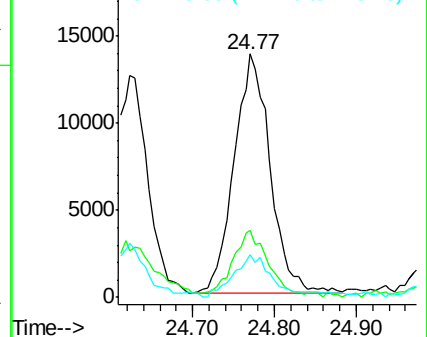
125 17.7 9.6 14.4#



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



#91

Benzo(g,h,i)perylene

Concen: 3.39 ng

RT: 29.79 min Scan# 4588

Delta R.T. -0.15 min

Lab File: BG022433.D

Acq: 18 Jun 2016 21:18

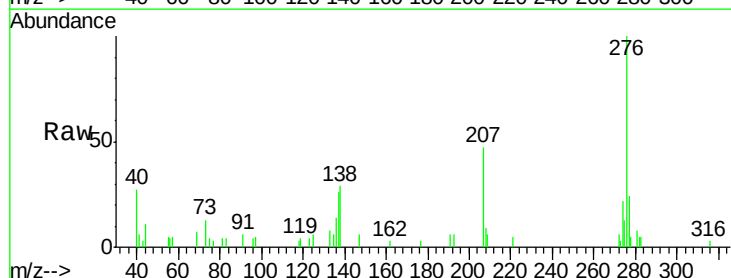
Tgt Ion:276 Resp: 28406

Ion Ratio Lower Upper

276 100

277 23.8 19.4 29.2

138 29.3 17.4 26.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

