

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121115\
 Data File : BG020079.D
 Acq On : 10 Dec 2015 17:17
 Operator : UM/SJ
 Sample : G4683-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S29-15

Quant Time: Dec 11 04:46:27 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 02 18:50:01 2015
 Response via : Initial Calibration

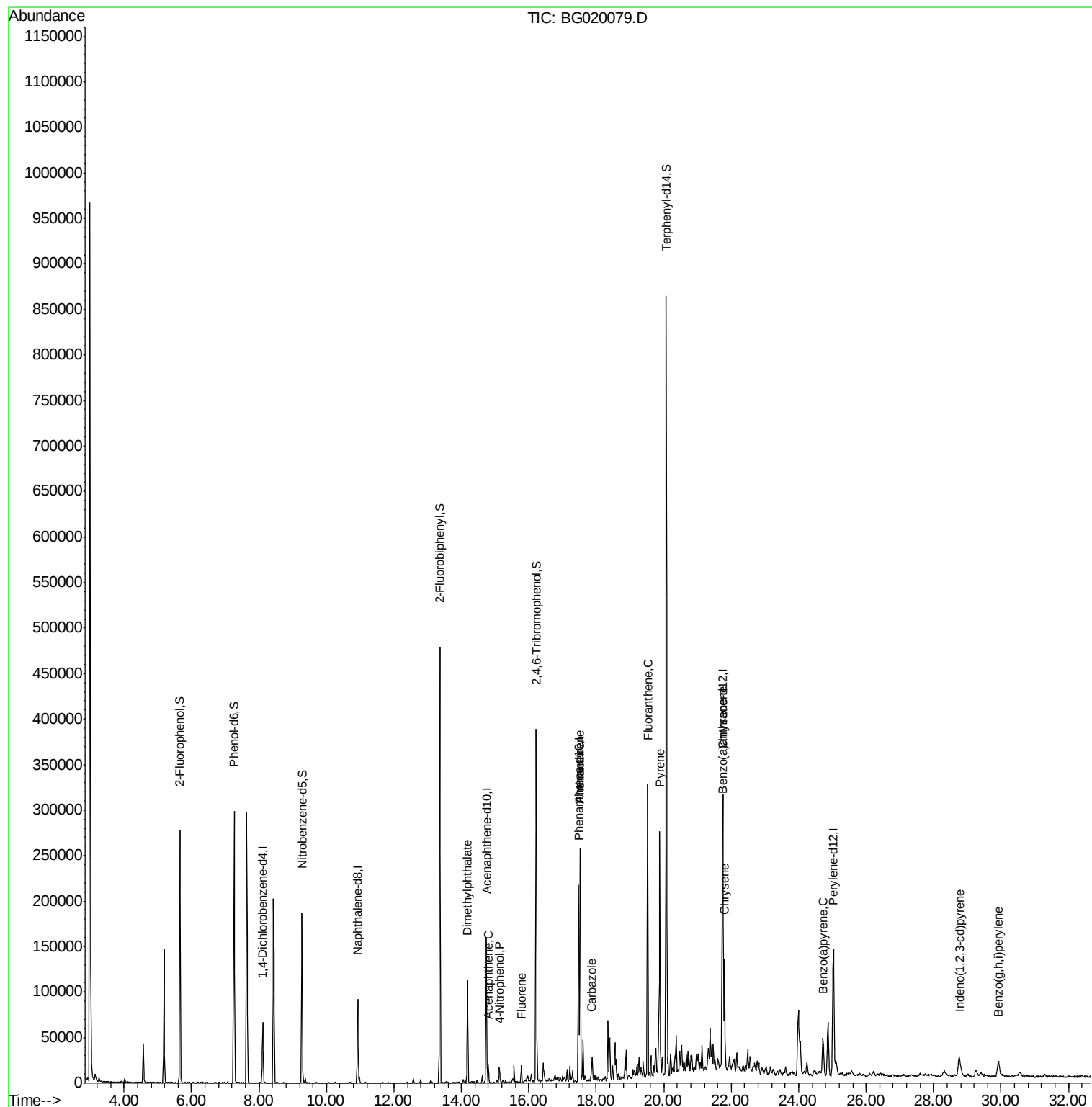
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	17636	20.00	ng	-0.03
21) Naphthalene-d8	10.93	136	77216	20.00	ng	-0.02
38) Acenaphthene-d10	14.74	164	54181	20.00	ng	-0.03
63) Phenanthrene-d10	17.48	188	132428	20.00	ng	-0.03
75) Chrysene-d12	21.75	240	162196	20.00	ng	-0.04
86) Perylene-d12	25.03	264	154959	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	114378	117.22	ng	-0.01
7) Phenol-d6	7.26	99	174492	118.44	ng	-0.01
23) Nitrobenzene-d5	9.28	82	116060	76.71	ng	-0.02
41) 2,4,6-Tribromophenol	16.22	330	74664	90.06	ng	-0.02
44) 2-Fluorobiphenyl	13.36	172	241117	60.76	ng	-0.03
78) Terphenyl-d14	20.08	244	400451	60.22	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	14.18	163	73787	15.14	ng	96
51) Acenaphthene	14.80	154	8109	2.29	ng	99
55) 4-Nitrophenol	15.13	139	3984	4.81	ng	# 11
57) Fluorene	15.78	166	9570	2.03	ng	98
70) Phenanthrene	17.52	178	161140	21.51	ng	97
71) Anthracene	17.52	178	161140	21.11	ng	97
72) Carbazole	17.88	167	17431	2.59	ng	97
74) Fluoranthene	19.52	202	201478	21.02	ng	93
77) Pyrene	19.88	202	174377	18.27	ng	96
80) Benzo(a)anthracene	21.73	228	93224	9.39	ng	97
82) Chrysene	21.80	228	83000	8.80	ng	96
85) Indeno(1,2,3-cd)pyrene	28.77	276	41385	3.99	ng	# 100
89) Benzo(a)pyrene	24.72	252	45913	4.92	ng	94
91) Benzo(g,h,i)perylene	29.93	276	37872	4.19	ng	# 88

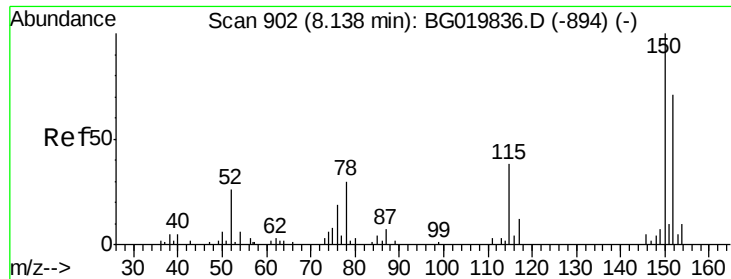
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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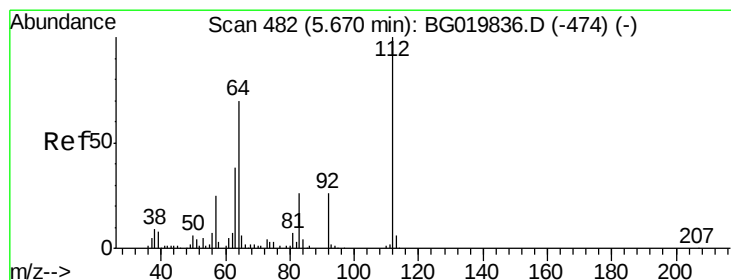
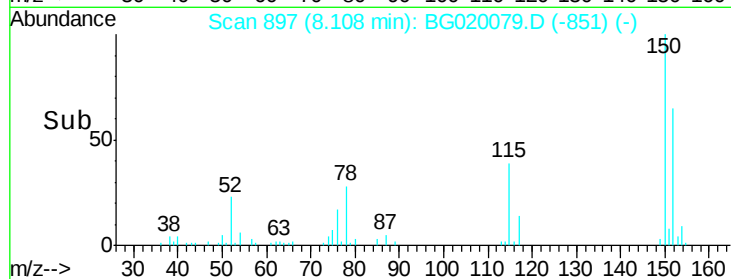
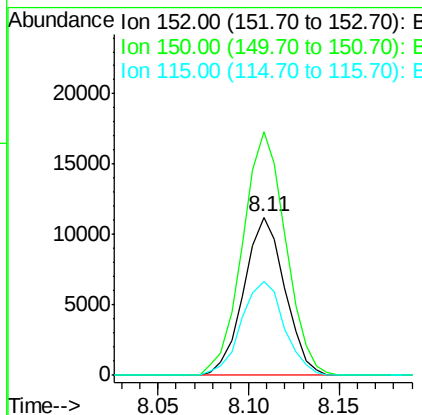
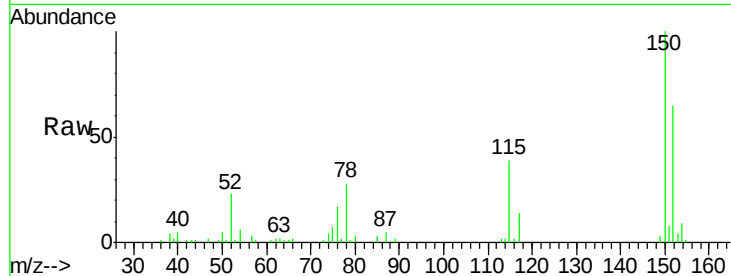


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.11 min Scan# 897
Delta R.T. -0.03 min
Lab File: BG020079.D
Acq: 10 Dec 2015 17:17

Instrument :
BNA_G
ClientSampled :
S29-15

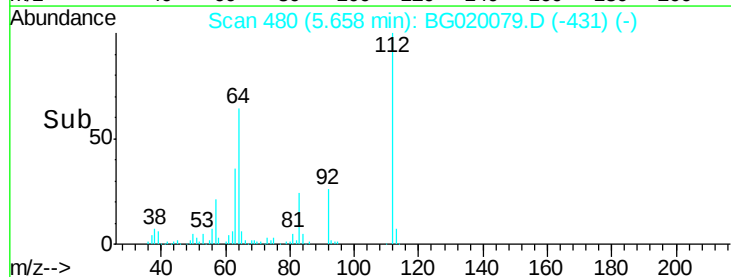
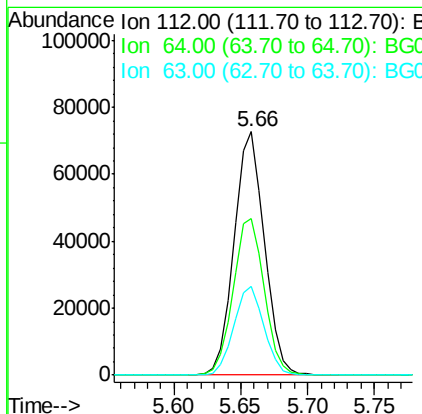
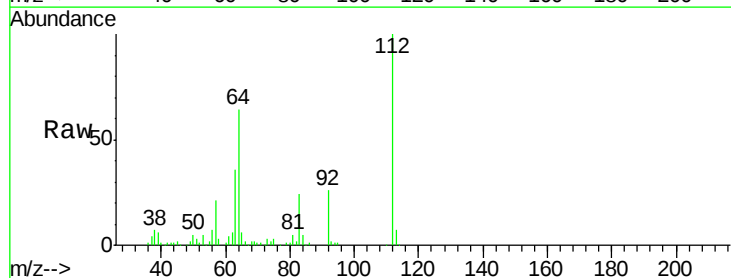
Tgt Ion:152 Resp: 17636
Ion Ratio Lower Upper
152 100
150 154.2 115.0 172.4
115 59.5 43.9 65.9

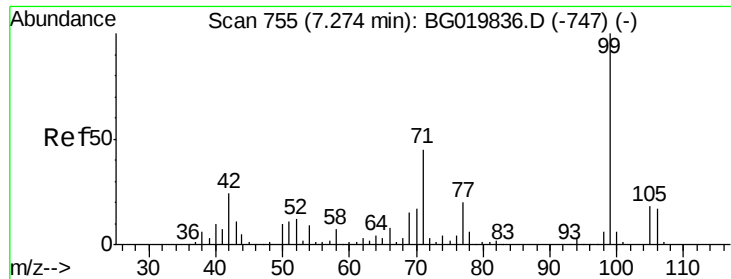


#5

2-Fluorophenol
Concen: 117.22 ng
RT: 5.66 min Scan# 480
Delta R.T. -0.01 min
Lab File: BG020079.D
Acq: 10 Dec 2015 17:17

Tgt Ion:112 Resp: 114378
Ion Ratio Lower Upper
112 100
64 64.4 43.7 65.5
63 36.3 24.0 36.0#





#7

Phenol-d6

Concen: 118.44 ng

RT: 7.26 min Scan# 753

Delta R.T. -0.01 min

Lab File: BG020079.D

Acq: 10 Dec 2015 17:17

Instrument :

BNA_G

ClientSampled :

S29-15

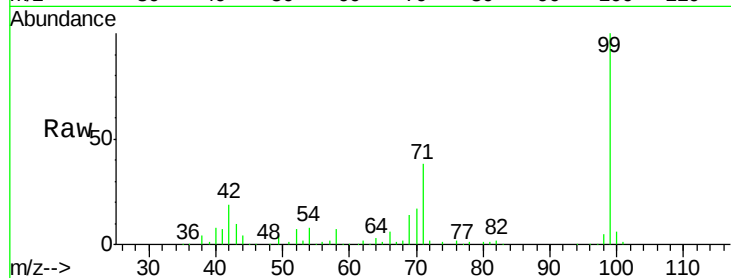
Tgt Ion: 99 Resp: 174492

Ion Ratio Lower Upper

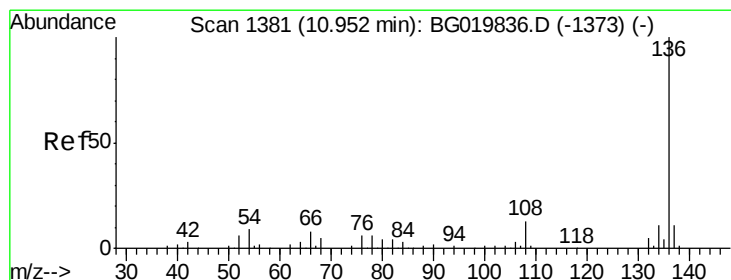
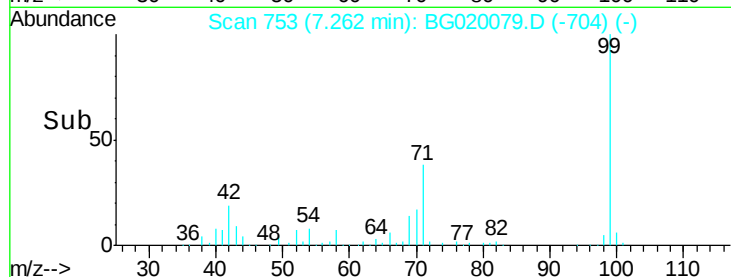
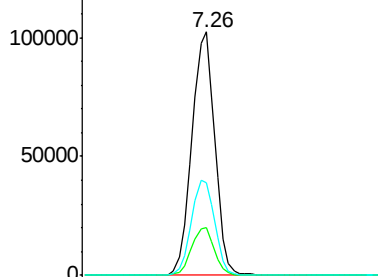
99 100

42 19.4 11.5 17.3#

71 38.2 22.6 34.0#



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: 10.93 min Scan# 1377

Delta R.T. -0.02 min

Lab File: BG020079.D

Acq: 10 Dec 2015 17:17

Tgt Ion: 136 Resp: 77216

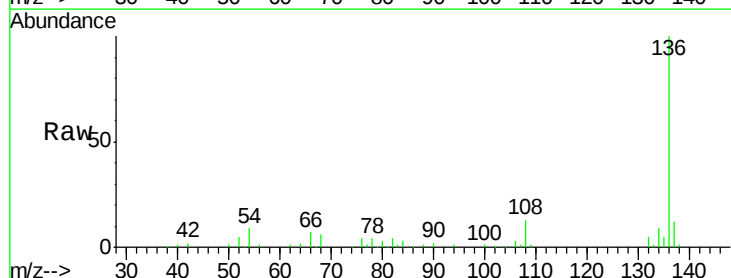
Ion Ratio Lower Upper

136 100

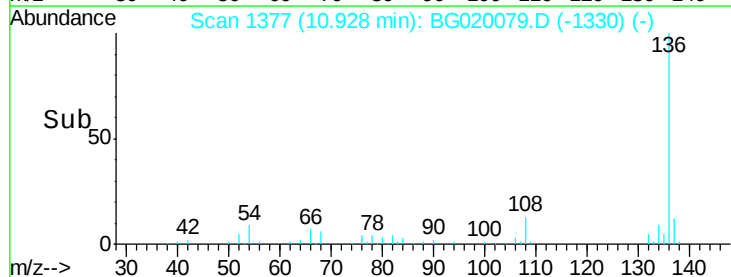
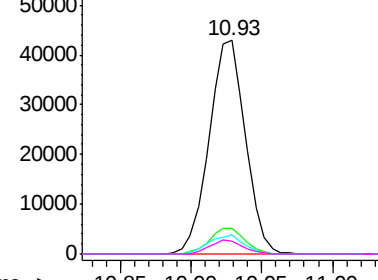
137 12.0 8.6 12.8

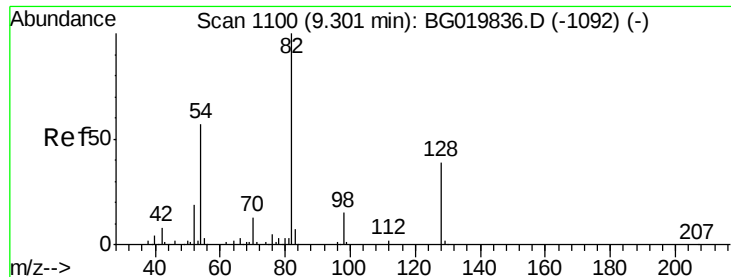
54 8.8 5.4 8.2#

68 6.1 5.3 7.9



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

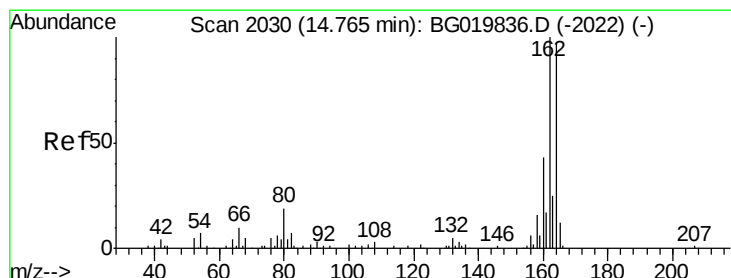
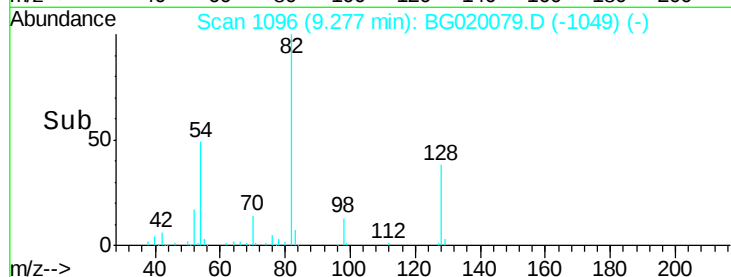
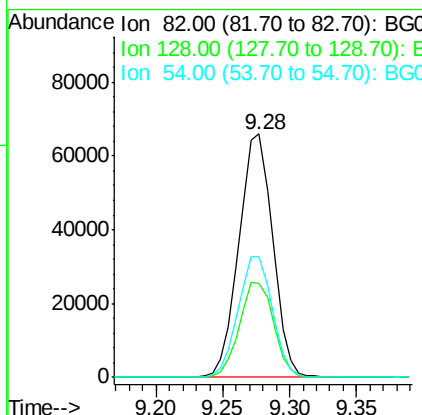
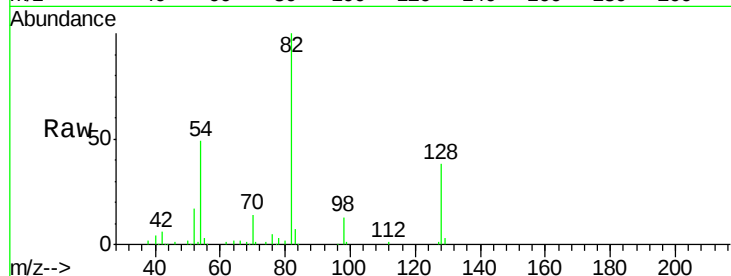




#23
 Nitrobenzene-d5
 Concen: 76.71 ng
 RT: 9.28 min Scan# 1096
 Delta R.T. -0.02 min
 Lab File: BG020079.D
 Acq: 10 Dec 2015 17:17

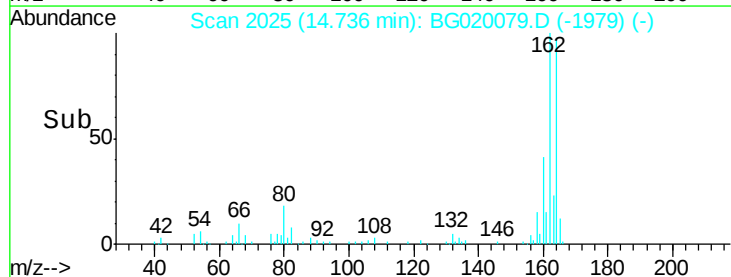
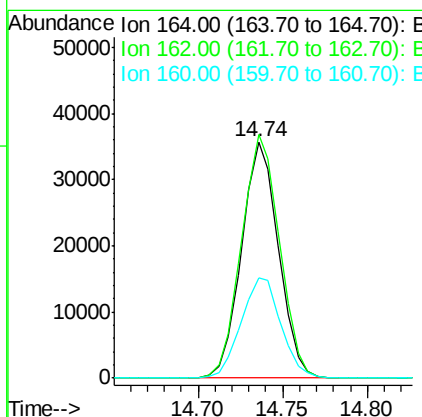
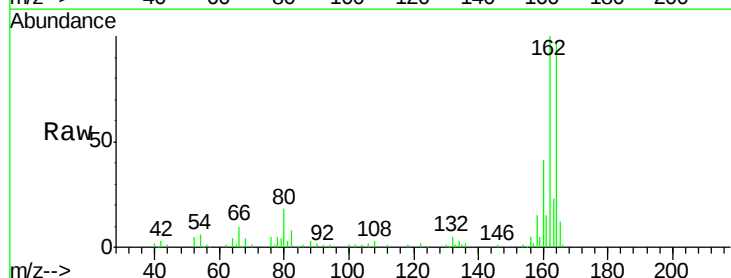
Instrument :
 BNA_G
 ClientSampleId :
 S29-15

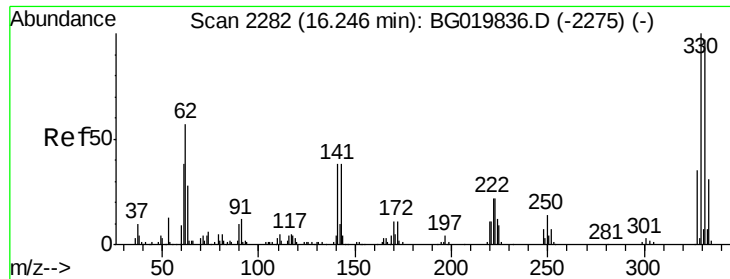
Tgt Ion	Ratio	Lower	Upper
82	100		
128	38.3	36.7	55.1
54	49.4	33.8	50.8



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.74 min Scan# 2025
 Delta R.T. -0.03 min
 Lab File: BG020079.D
 Acq: 10 Dec 2015 17:17

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.2	78.8	118.2
160	42.2	36.4	54.6

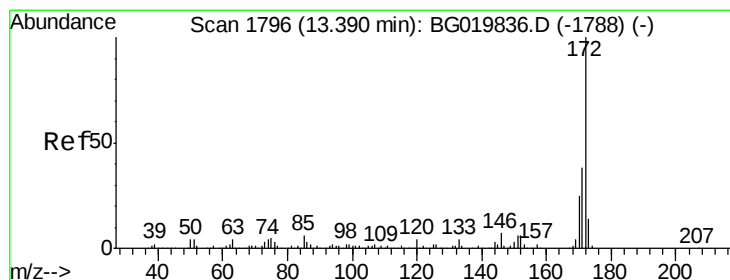
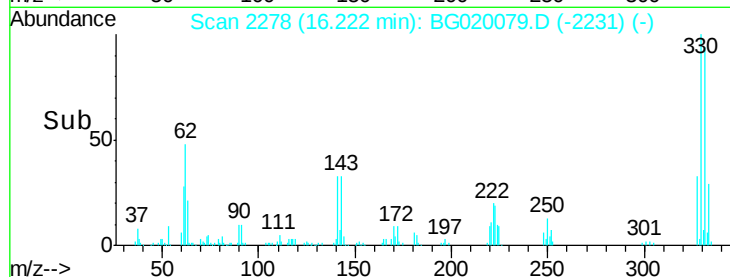
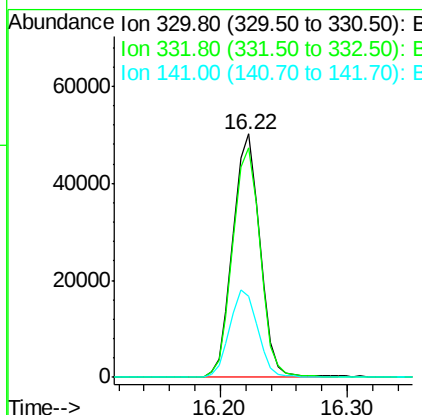
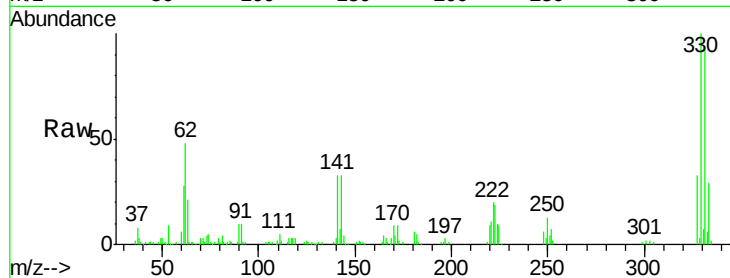




#41
 2,4,6-Tribromophenol
 Concen: 90.06 ng
 RT: 16.22 min Scan# 2278
 Delta R.T. -0.02 min
 Lab File: BG020079.D
 Acq: 10 Dec 2015 17:17

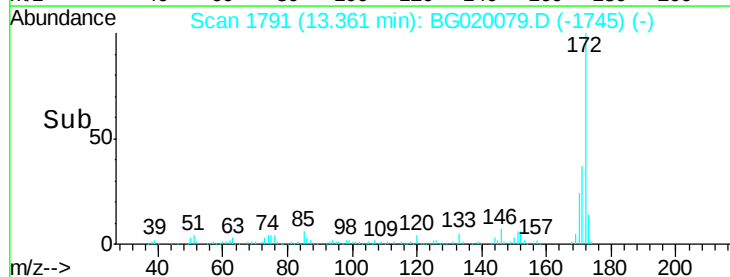
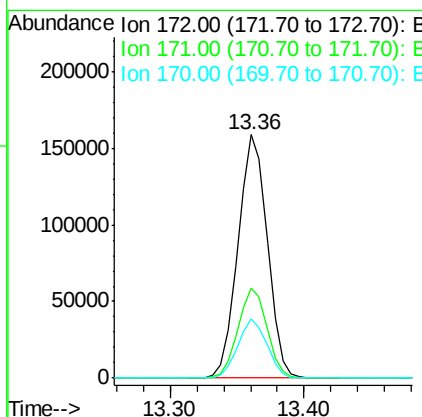
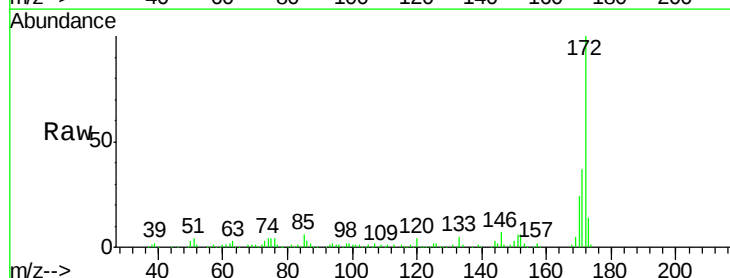
Instrument :
 BNA_G
 ClientSampleId :
 S29-15

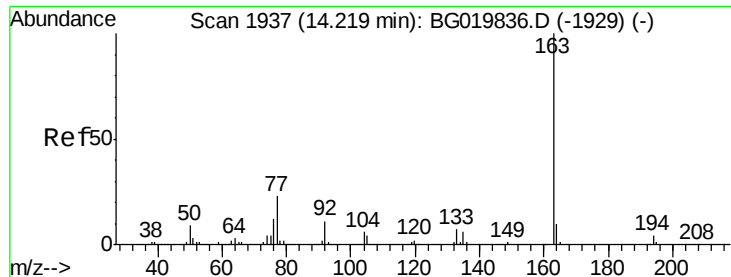
Tgt Ion:330 Resp: 74664
 Ion Ratio Lower Upper
 330 100
 332 95.6 78.1 117.1
 141 36.7 28.2 42.2



#44
 2-Fluorobiphenyl
 Concen: 60.76 ng
 RT: 13.36 min Scan# 1791
 Delta R.T. -0.03 min
 Lab File: BG020079.D
 Acq: 10 Dec 2015 17:17

Tgt Ion:172 Resp: 241117
 Ion Ratio Lower Upper
 172 100
 171 37.0 29.0 43.6
 170 24.2 19.9 29.9





#49

Dimethylphthalate

Concen: 15.14 ng

RT: 14.18 min Scan# 1931

Delta R.T. -0.04 min

Lab File: BG020079.D

Acq: 10 Dec 2015 17:17

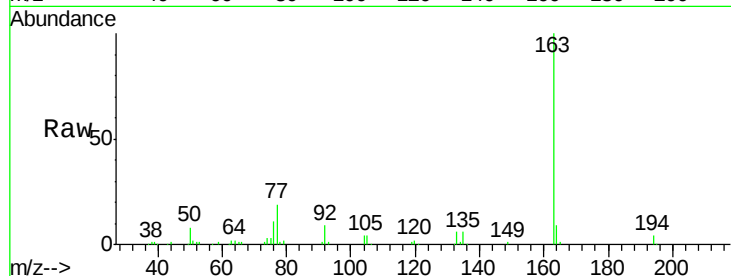
Instrument :

BNA_G

ClientSampleId :

S29-15

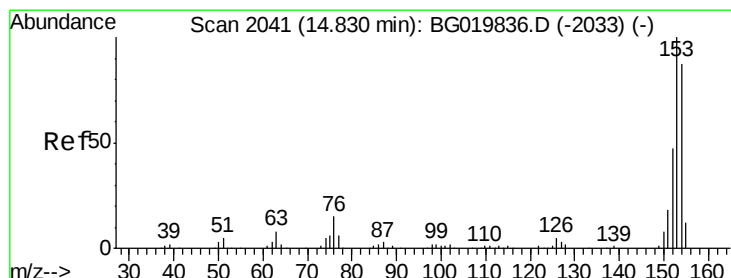
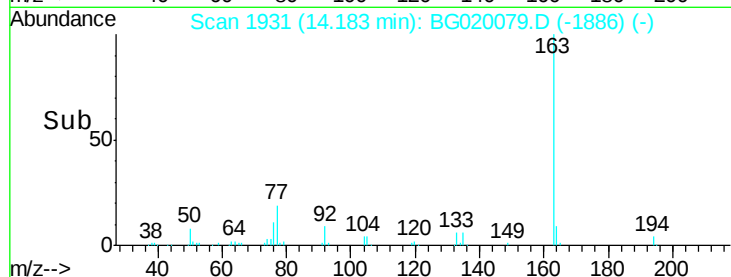
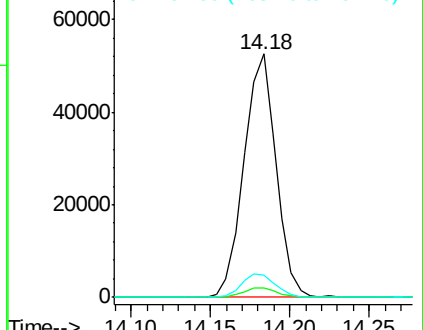
Tgt Ion:163	Resp:	73787
Ion Ratio	Lower	Upper
163	100	
194	3.9	3.1 4.7
164	9.0	8.8 13.2



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



#51

Acenaphthene

Concen: 2.29 ng

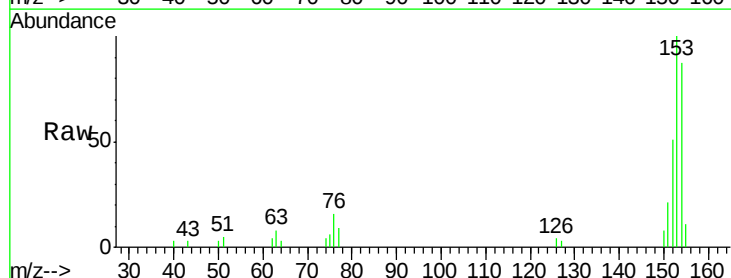
RT: 14.80 min Scan# 2036

Delta R.T. -0.03 min

Lab File: BG020079.D

Acq: 10 Dec 2015 17:17

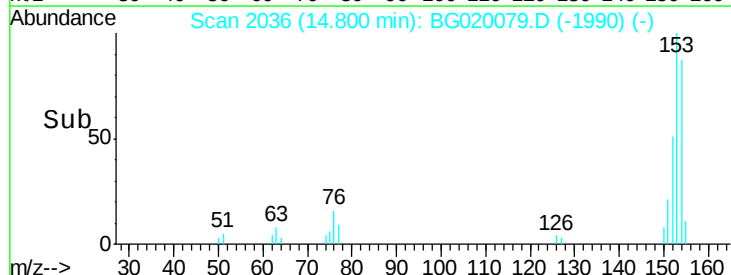
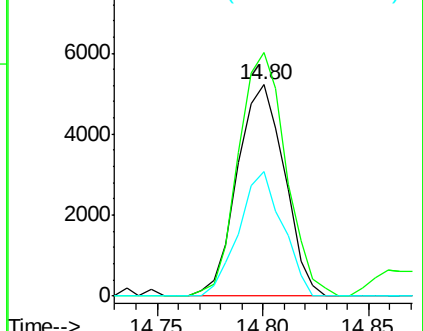
Tgt Ion:154	Resp:	8109
Ion Ratio	Lower	Upper
154	100	
153	115.1	92.9 139.3
152	59.0	45.8 68.8

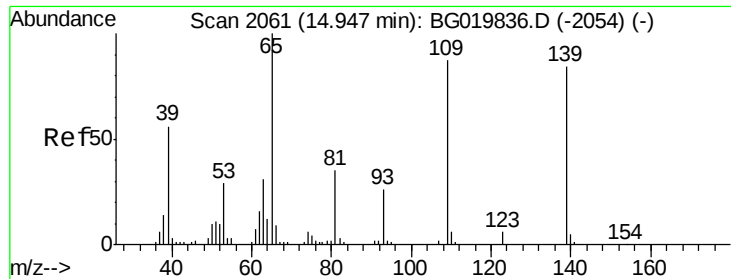


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

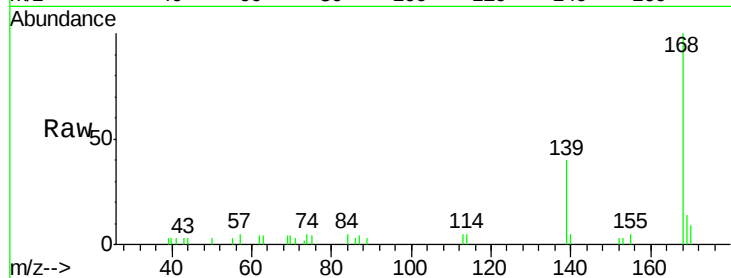




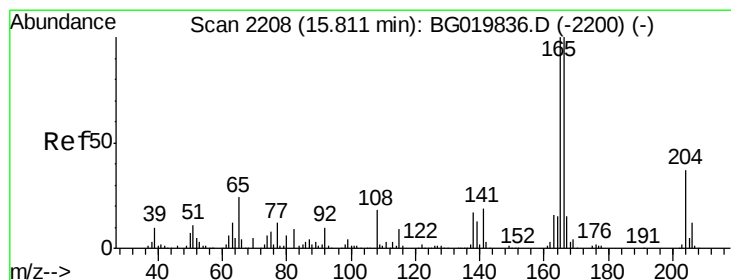
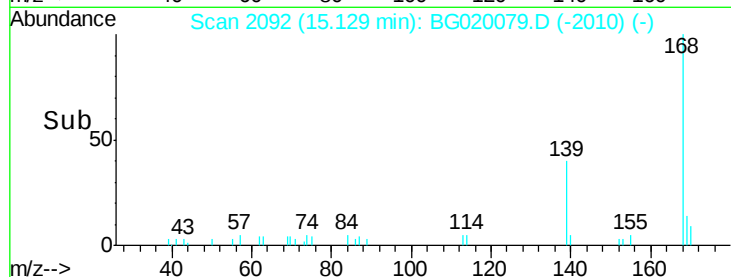
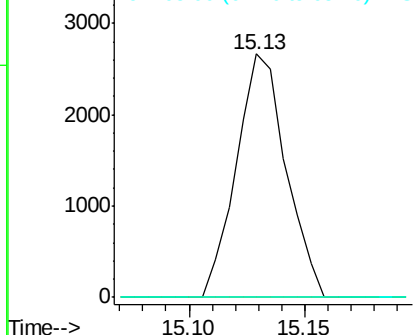
#55
4-Nitrophenol
Concen: 4.81 ng
RT: 15.13 min Scan# 2092
Delta R.T. 0.18 min
Lab File: BG020079.D
Acq: 10 Dec 2015 17:17

Instrument :
BNA_G
ClientSampleId :
S29-15

Tgt Ion:139 Resp: 3984
Ion Ratio Lower Upper
139 100
109 0.0 43.2 83.2#
65 0.0 67.8 107.8#

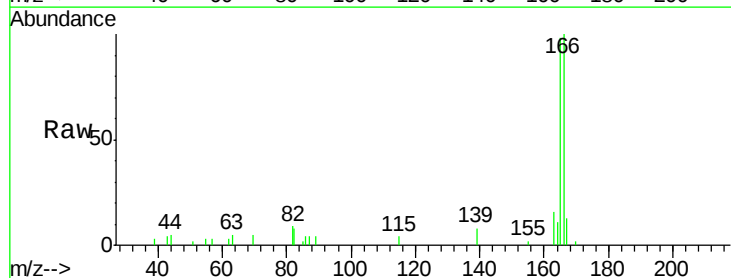


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): B

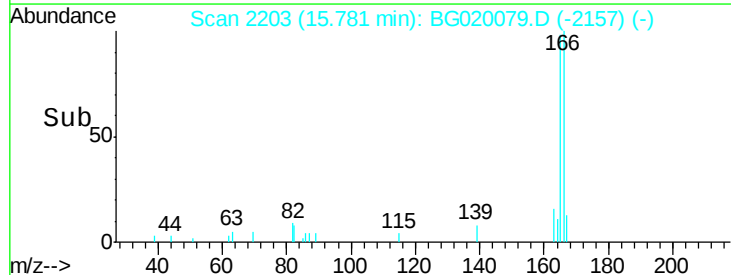
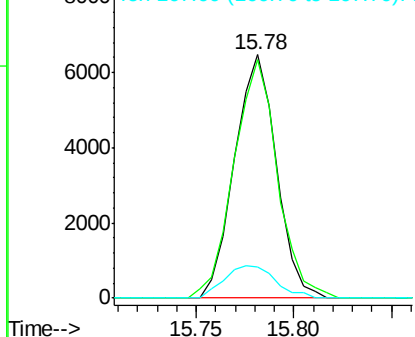


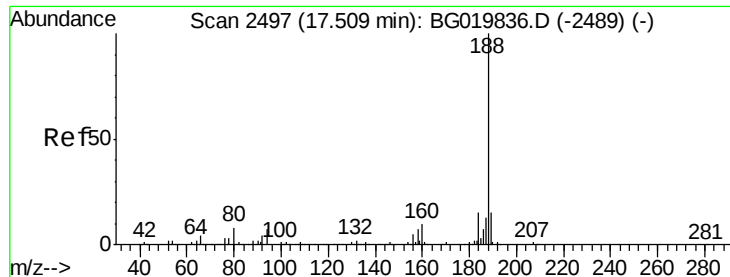
#57
Fluorene
Concen: 2.03 ng
RT: 15.78 min Scan# 2203
Delta R.T. -0.03 min
Lab File: BG020079.D
Acq: 10 Dec 2015 17:17

Tgt Ion:166 Resp: 9570
Ion Ratio Lower Upper
166 100
165 98.2 80.0 120.0
167 12.9 11.1 16.7



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

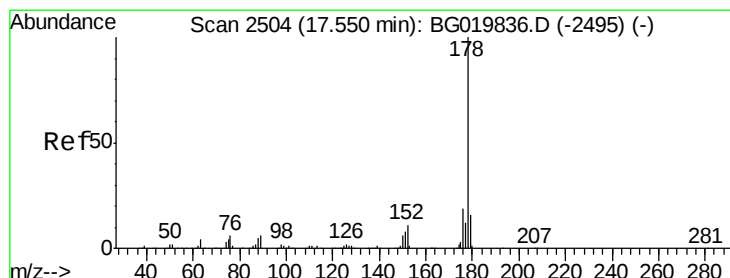
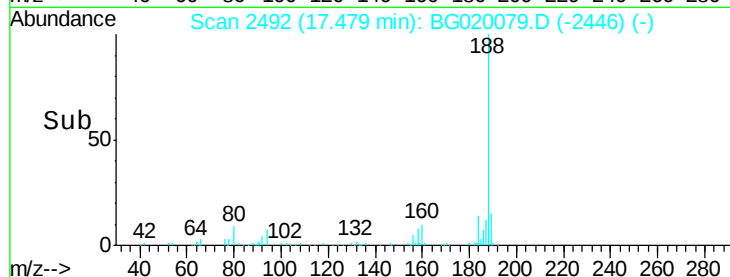
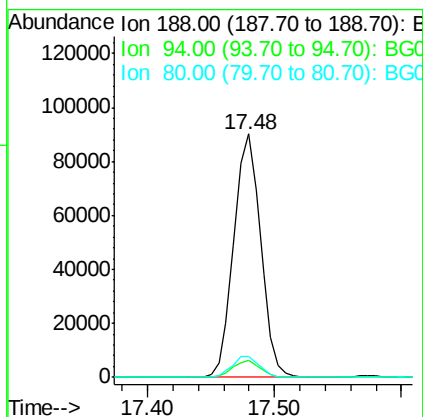
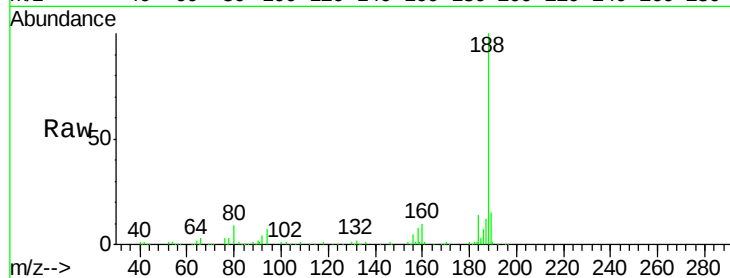




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.48 min Scan# 2492
Delta R.T. -0.03 min
Lab File: BG020079.D
Acq: 10 Dec 2015 17:17

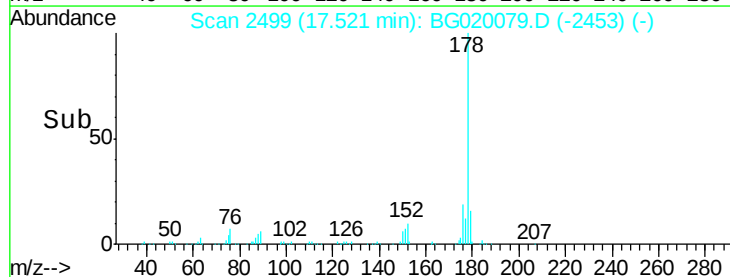
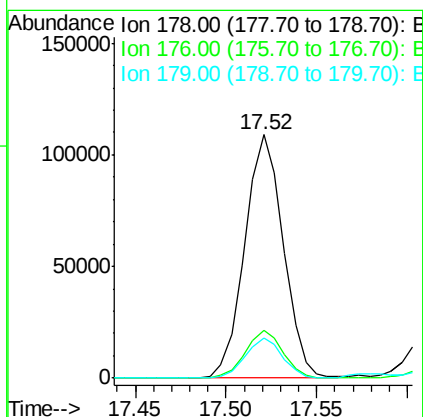
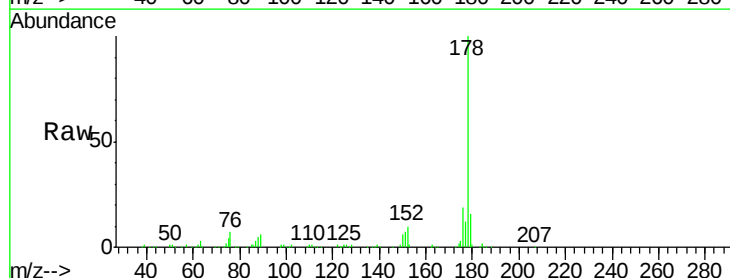
Instrument :
BNA_G
ClientSampleId :
S29-15

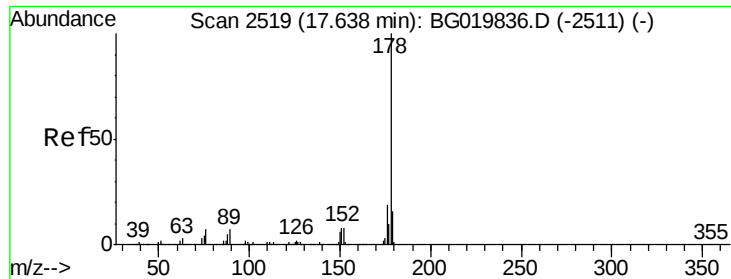
Tgt Ion:188 Resp: 132428
Ion Ratio Lower Upper
188 100
94 6.9 7.7 11.5#
80 8.6 7.8 11.8



#70
Phenanthrene
Concen: 21.51 ng
RT: 17.52 min Scan# 2499
Delta R.T. -0.03 min
Lab File: BG020079.D
Acq: 10 Dec 2015 17:17

Tgt Ion:178 Resp: 161140
Ion Ratio Lower Upper
178 100
176 19.4 16.7 25.1
179 16.3 13.9 20.9

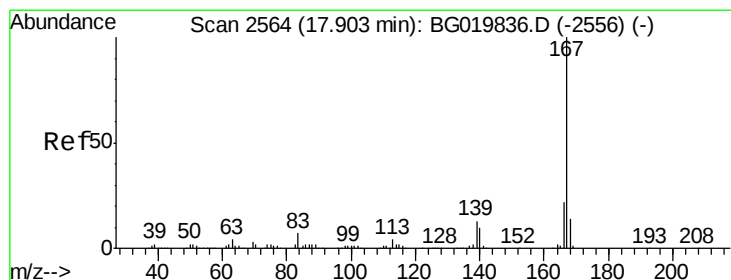
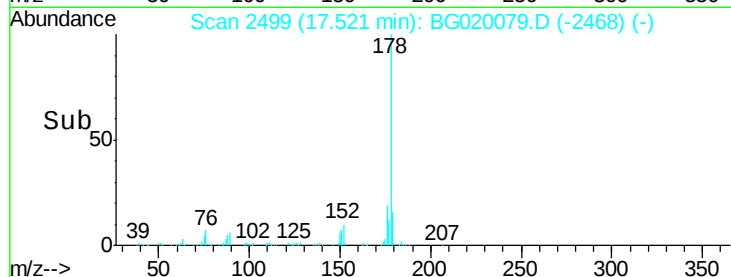
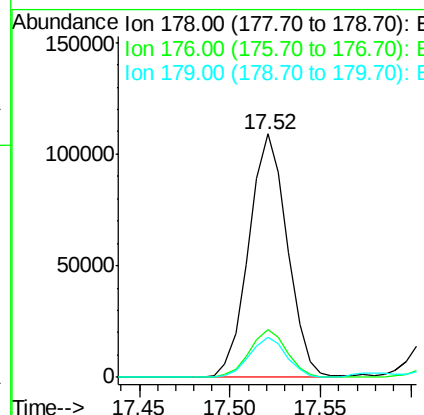
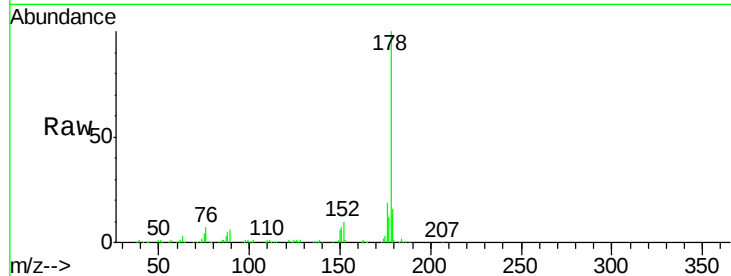




#71
 Anthracene
 Concen: 21.11 ng
 RT: 17.52 min Scan# 2499
 Delta R.T. -0.12 min
 Lab File: BG020079.D
 Acq: 10 Dec 2015 17:17

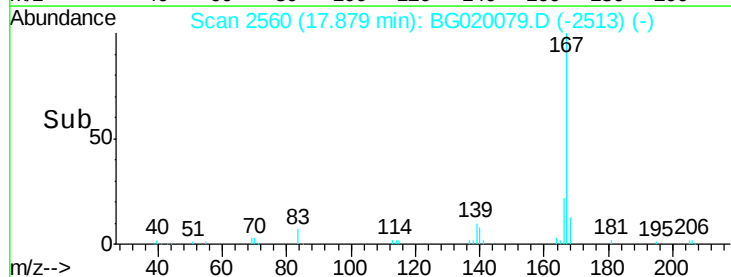
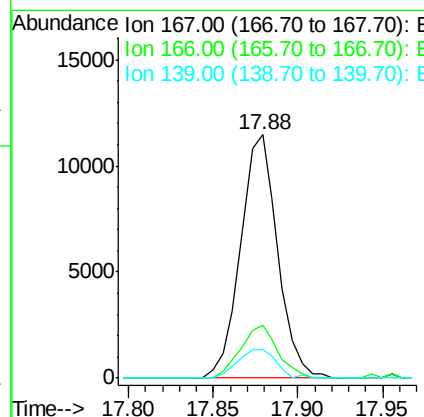
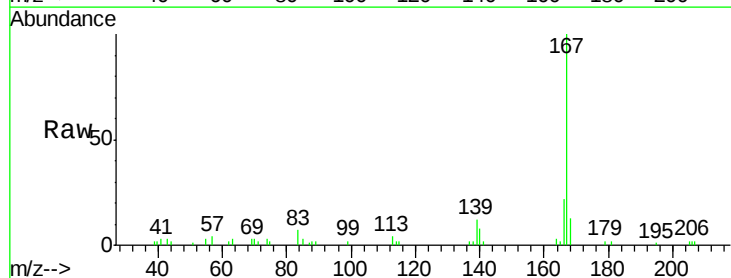
Instrument :
 BNA_G
 ClientSampleID :
 S29-15

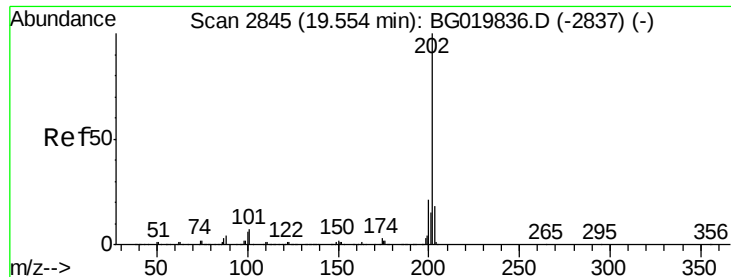
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.8	25.2
179	16.3	13.9	20.9



#72
 Carbazole
 Concen: 2.59 ng
 RT: 17.88 min Scan# 2560
 Delta R.T. -0.02 min
 Lab File: BG020079.D
 Acq: 10 Dec 2015 17:17

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.9	19.0	28.6
139	12.0	10.2	15.4





#74

Fluoranthene

Concen: 21.02 ng

RT: 19.52 min Scan# 2840

Delta R.T. -0.03 min

Lab File: BG020079.D

Acq: 10 Dec 2015 17:17

Instrument :

BNA_G

ClientSampleId :

S29-15

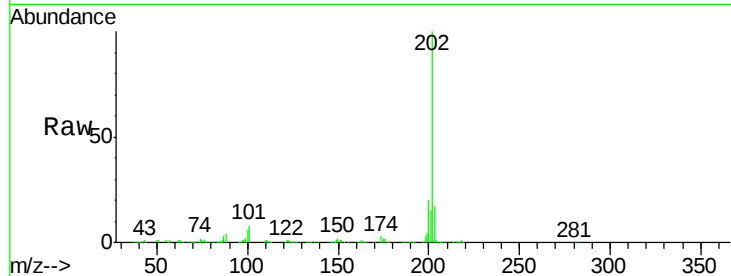
Tgt Ion:202 Resp: 201478

Ion Ratio Lower Upper

202 100

101 7.8 0.0 32.4

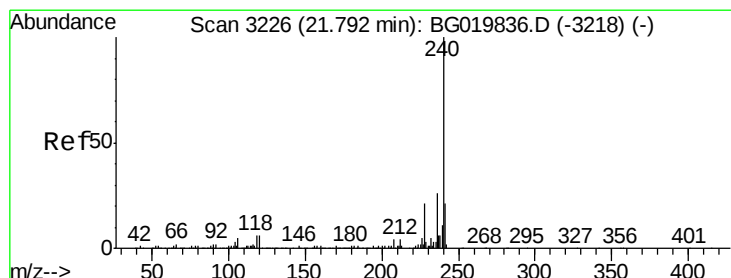
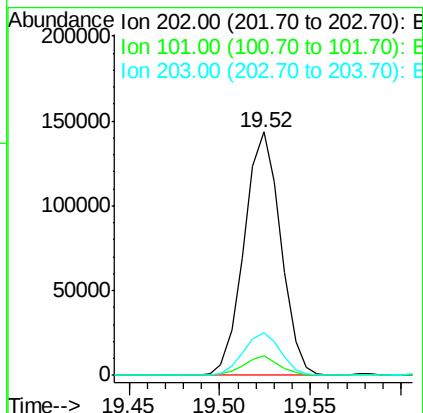
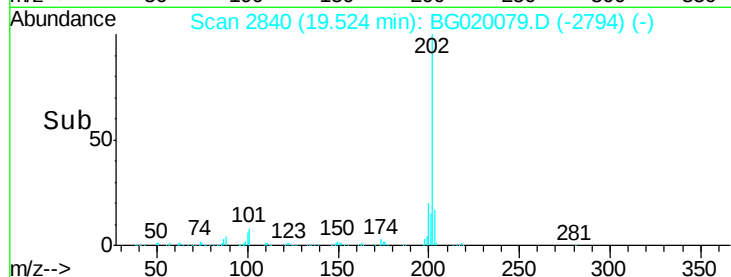
203 17.4 0.0 39.5



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: 21.75 min Scan# 3219

Delta R.T. -0.04 min

Lab File: BG020079.D

Acq: 10 Dec 2015 17:17

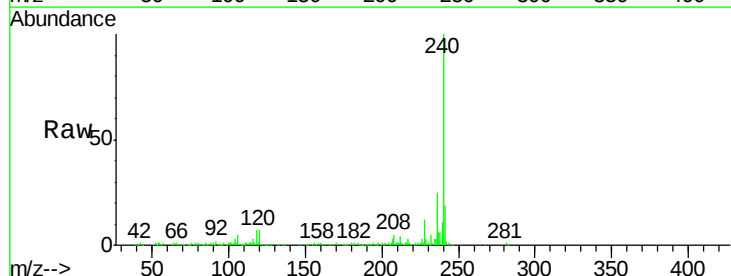
Tgt Ion:240 Resp: 162196

Ion Ratio Lower Upper

240 100

120 6.6 7.4 11.0#

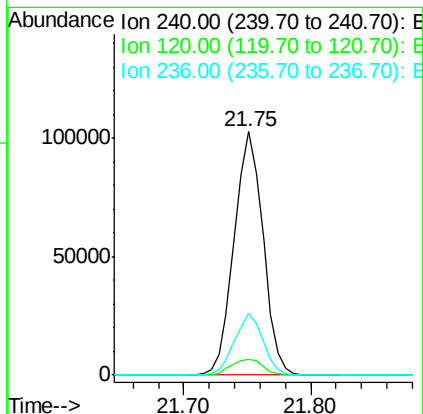
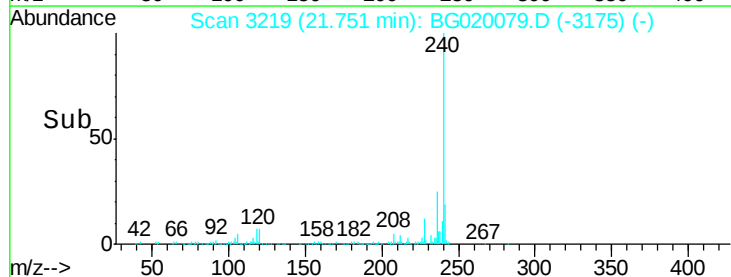
236 25.4 20.7 31.1

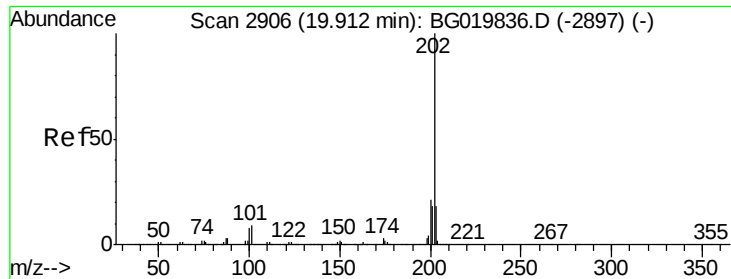


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

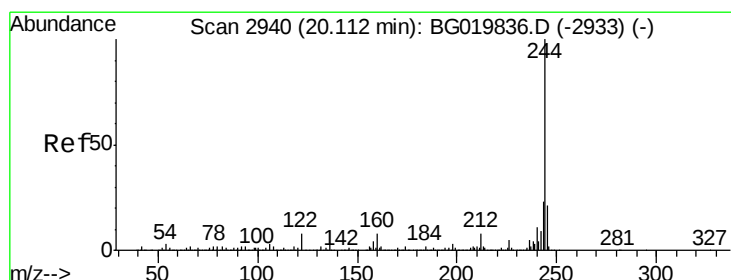
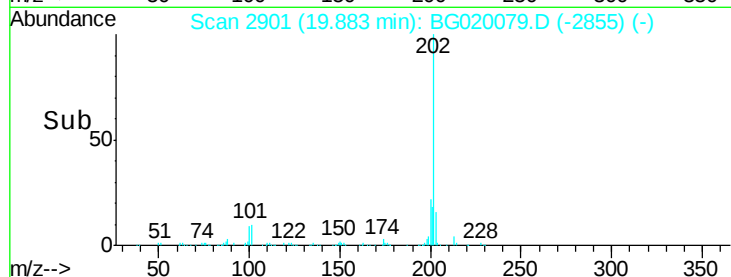
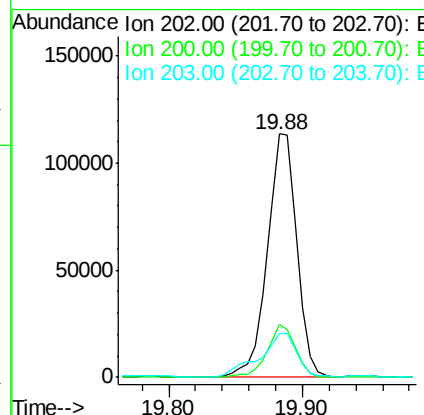
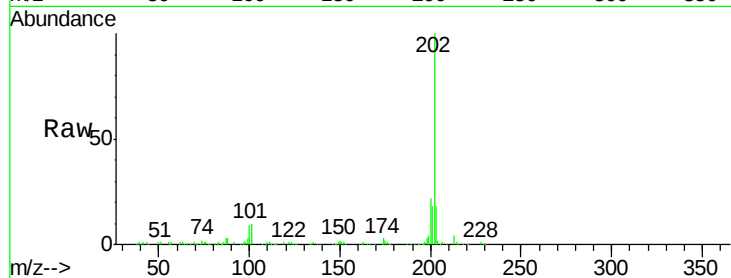




#77
 Pyrene
 Concen: 18.27 ng
 RT: 19.88 min Scan# 2901
 Delta R.T. -0.03 min
 Lab File: BG020079.D
 Acq: 10 Dec 2015 17:17

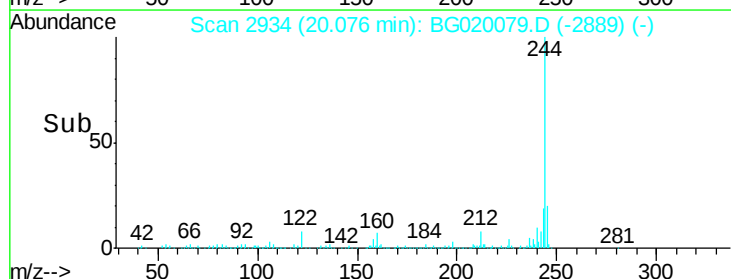
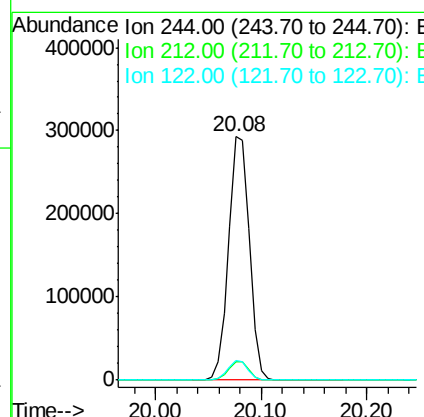
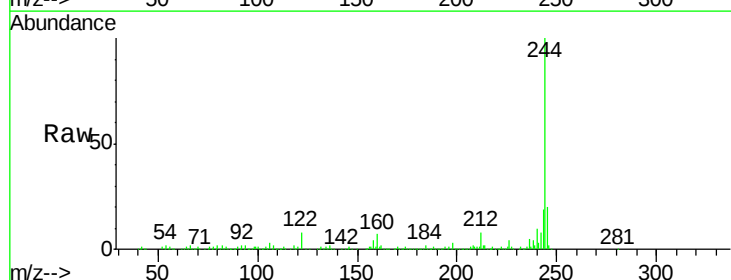
Instrument :
 BNA_G
 ClientSampleId :
 S29-15

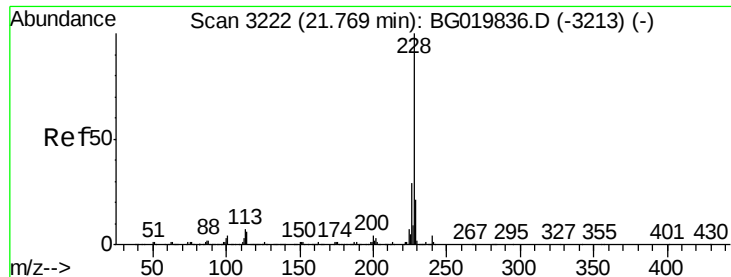
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	19.4	29.0
203	17.9	15.5	23.3



#78
 Terphenyl-d14
 Concen: 60.22 ng
 RT: 20.08 min Scan# 2934
 Delta R.T. -0.03 min
 Lab File: BG020079.D
 Acq: 10 Dec 2015 17:17

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.9	10.3
122	7.9	10.2	15.2#





#80

Benzo(a)anthracene

Concen: 9.39 ng

RT: 21.73 min Scan# 3216

Delta R.T. -0.04 min

Lab File: BG020079.D

Acq: 10 Dec 2015 17:17

Instrument :

BNA_G

ClientSampleId :

S29-15

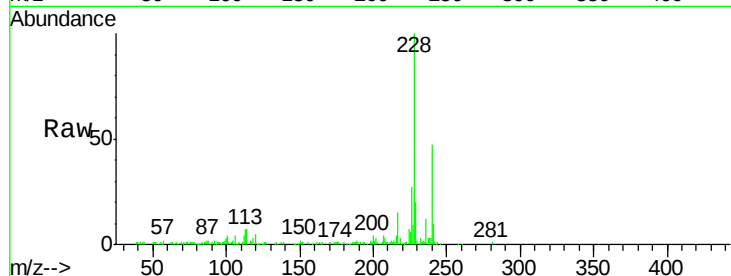
Tgt Ion:228 Resp: 93224

Ion Ratio Lower Upper

228 100

226 27.1 23.4 35.0

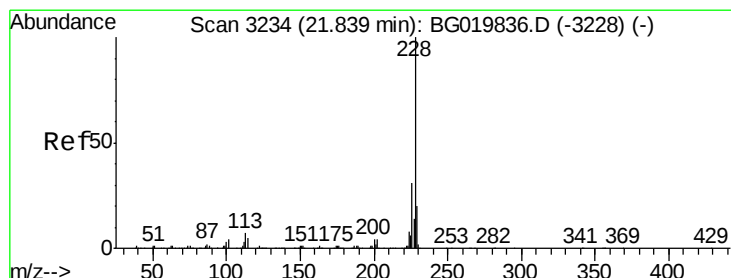
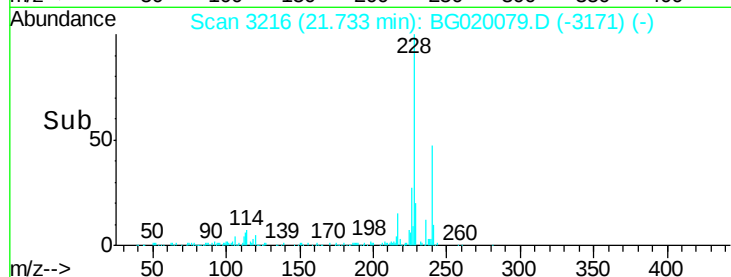
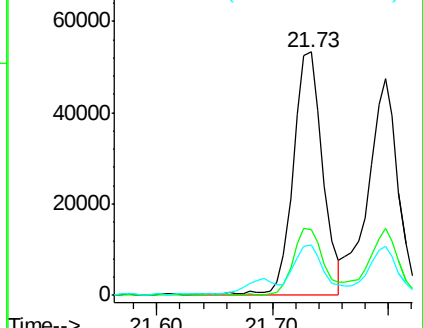
229 20.5 16.6 25.0



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: 8.80 ng

RT: 21.80 min Scan# 3227

Delta R.T. -0.04 min

Lab File: BG020079.D

Acq: 10 Dec 2015 17:17

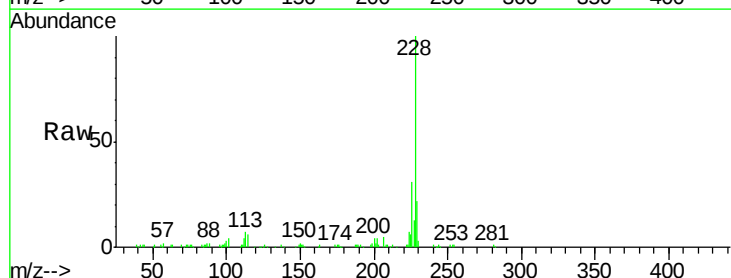
Tgt Ion:228 Resp: 83000

Ion Ratio Lower Upper

228 100

226 30.5 26.7 40.1

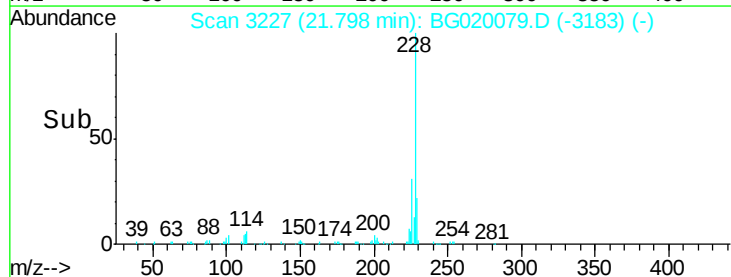
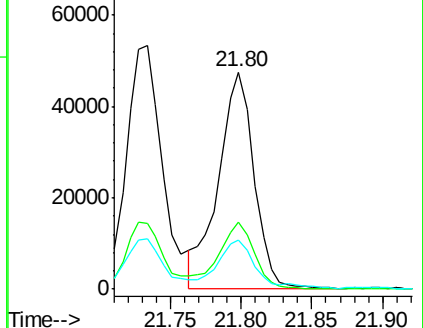
229 22.5 17.0 25.6

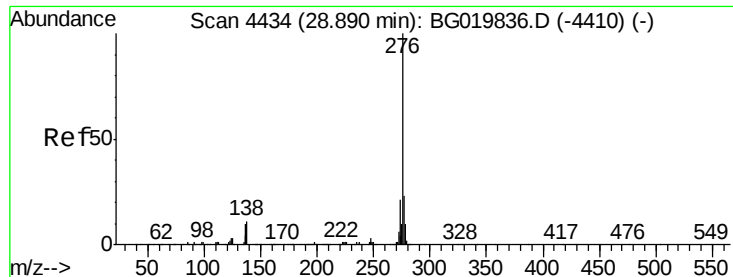


Abundance Ion 228.00 (227.70 to 228.70): E

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: 3.99 ng

RT: 28.77 min Scan# 4413

Delta R.T. -0.12 min

Lab File: BG020079.D

Acq: 10 Dec 2015 17:17

Instrument :

BNA_G

ClientSampleId :

S29-15

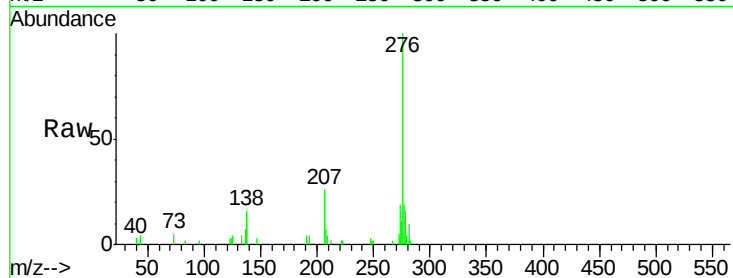
Tgt Ion:276 Resp: 41385

Ion Ratio Lower Upper

276 100

138 14.9 0.0 0.0#

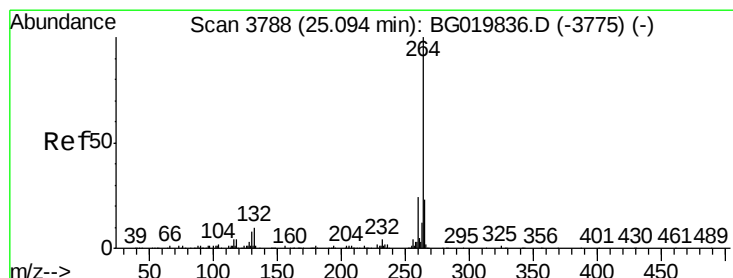
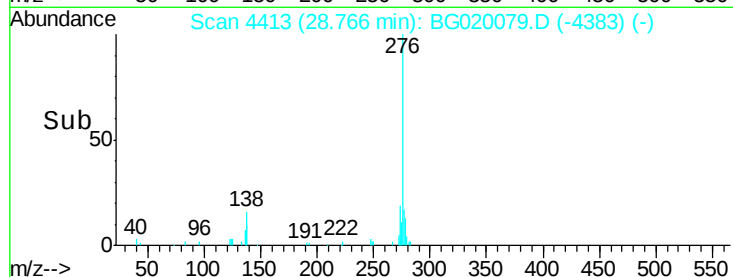
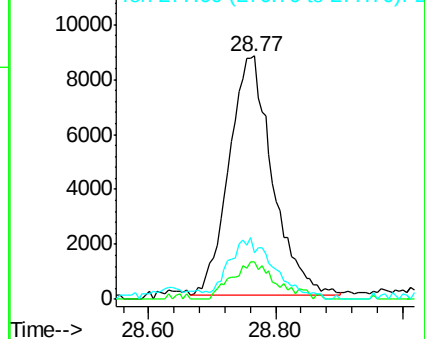
277 21.5 0.0 0.0#



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: 25.03 min Scan# 3777

Delta R.T. -0.06 min

Lab File: BG020079.D

Acq: 10 Dec 2015 17:17

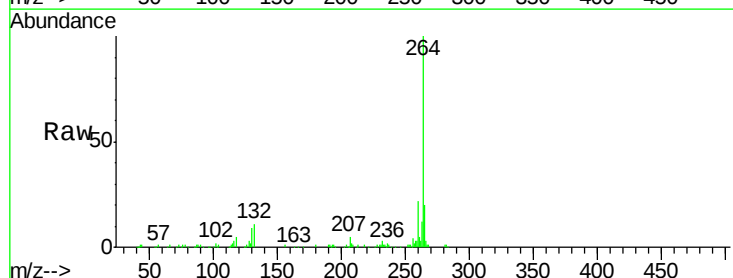
Tgt Ion:264 Resp: 154959

Ion Ratio Lower Upper

264 100

260 22.2 18.5 27.7

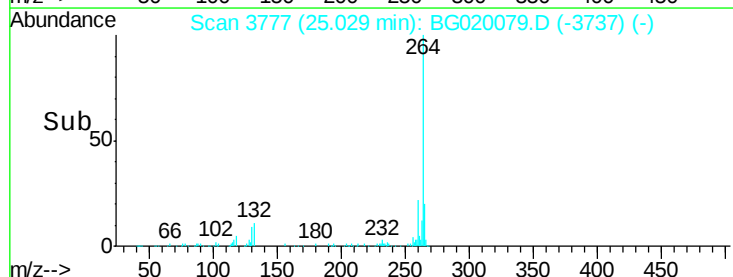
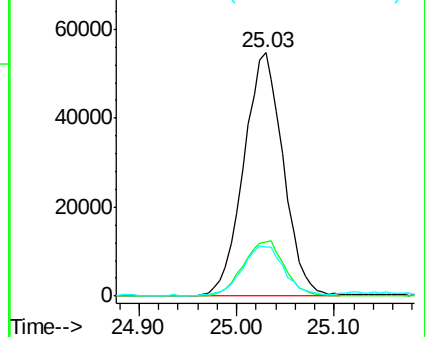
265 20.2 17.2 25.8

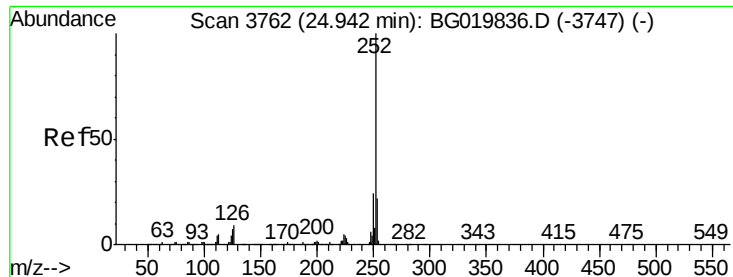


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#89

Benzo(a)pyrene

Concen: 4.92 ng

RT: 24.72 min Scan# 3725

Delta R.T. -0.22 min

Lab File: BG020079.D

Acq: 10 Dec 2015 17:17

Instrument :

BNA_G

ClientSampleId :

S29-15

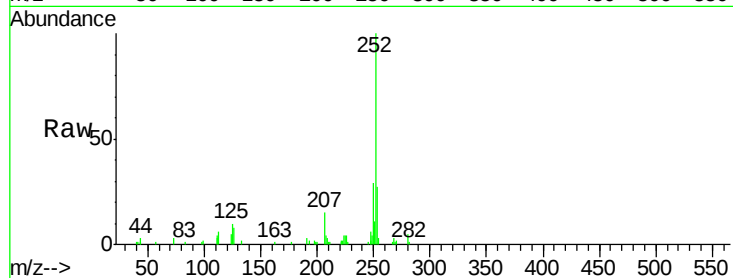
Tgt Ion:252 Resp: 45913

Ion Ratio Lower Upper

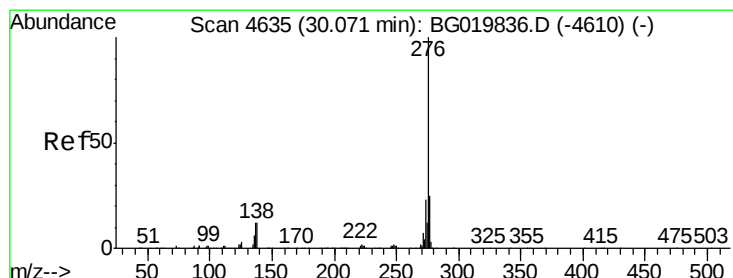
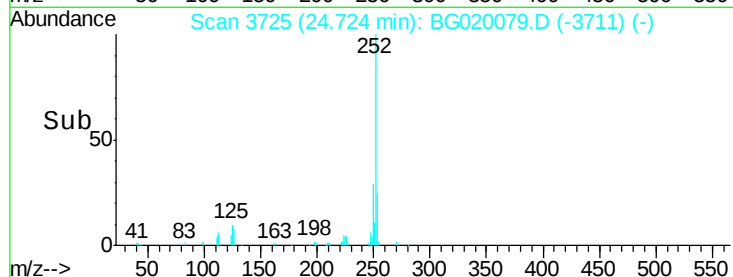
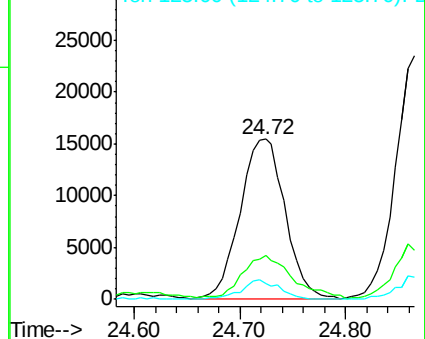
252 100

253 27.2 18.7 28.1

125 10.1 9.1 13.7



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: 4.19 ng

RT: 29.93 min Scan# 4611

Delta R.T. -0.14 min

Lab File: BG020079.D

Acq: 10 Dec 2015 17:17

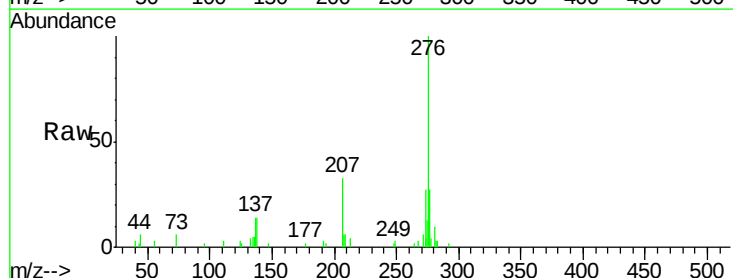
Tgt Ion:276 Resp: 37872

Ion Ratio Lower Upper

276 100

277 26.6 18.4 27.6

138 13.7 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

