

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121115\
 Data File : BG020083.D
 Acq On : 10 Dec 2015 19:54
 Operator : UM/SJ
 Sample : G4683-10
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S20-15

Quant Time: Dec 11 04:48:34 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

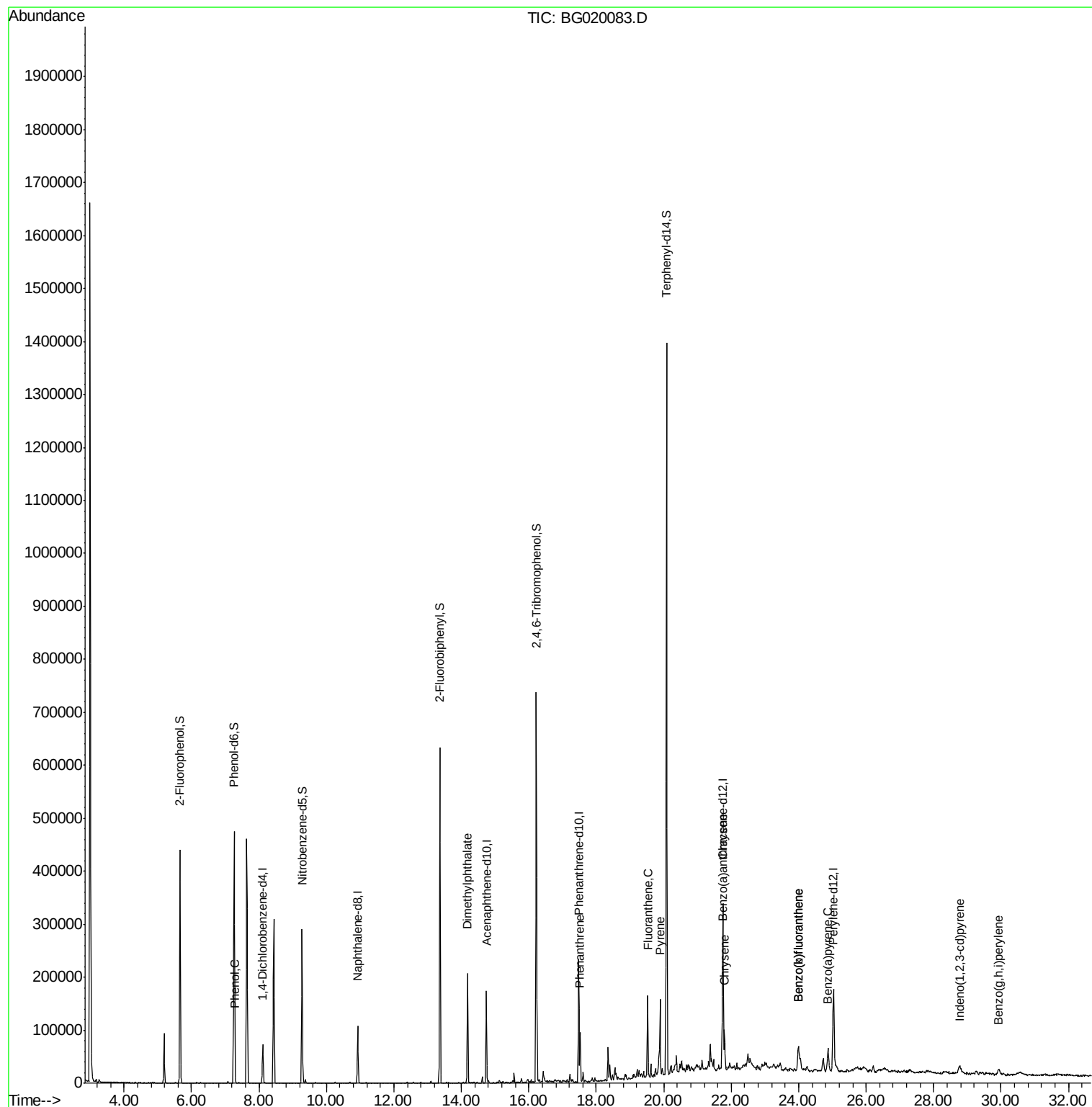
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	21239	20.00	ng	-0.03
21) Naphthalene-d8	10.93	136	90194	20.00	ng	-0.02
38) Acenaphthene-d10	14.74	164	60432	20.00	ng	-0.02
63) Phenanthrene-d10	17.48	188	146331	20.00	ng	-0.03
75) Chrysene-d12	21.75	240	177027	20.00	ng	-0.04
86) Perylene-d12	25.03	264	168313	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	182476	155.28	ng	-0.01
7) Phenol-d6	7.26	99	273767	154.30	ng	-0.01
23) Nitrobenzene-d5	9.28	82	183591	103.88	ng	-0.02
41) 2,4,6-Tribromophenol	16.22	330	135786	146.85	ng	-0.02
44) 2-Fluorobiphenyl	13.37	172	334846	75.66	ng	-0.02
78) Terphenyl-d14	20.08	244	587501	80.95	ng	-0.03
Target Compounds						
10) Phenol	7.29	94	4804	2.57	ng	Qvalue # 69
49) Dimethylphthalate	14.18	163	134701	24.78	ng	97
70) Phenanthrene	17.52	178	58982	7.12	ng	95
74) Fluoranthene	19.52	202	93757	8.85	ng	92
77) Pyrene	19.89	202	82956	7.97	ng	95
80) Benzo(a)anthracene	21.73	228	58138	5.37	ng	99
82) Chrysene	21.80	228	49719	4.83	ng	97
85) Indeno(1,2,3-cd)pyrene	28.77	276	24661	2.18	ng	# 100
87) Benzo(b)fluoranthene	23.99	252	57094	5.35	ng	# 95
88) Benzo(k)fluoranthene	23.99	252	57094	5.40	ng	# 95
89) Benzo(a)pyrene	24.87	252	44459	4.39	ng	# 97
91) Benzo(g,h,i)perylene	29.93	276	21449	2.18	ng	95

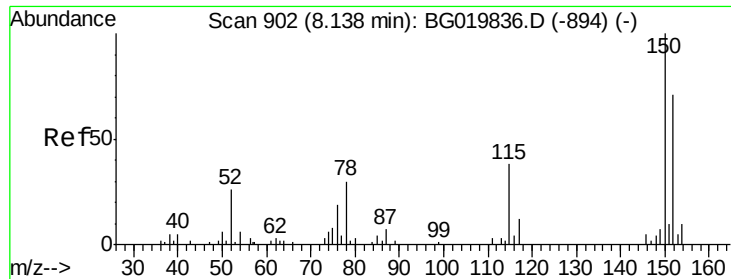
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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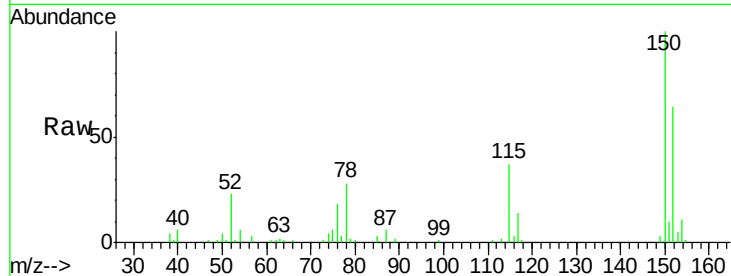




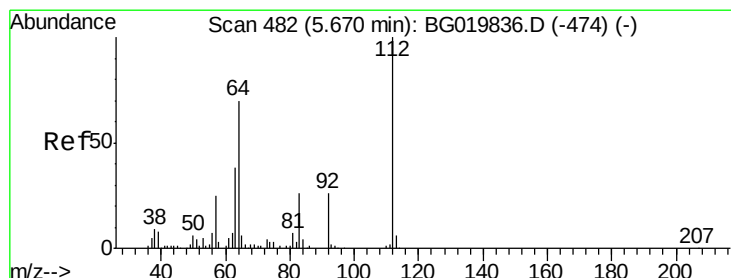
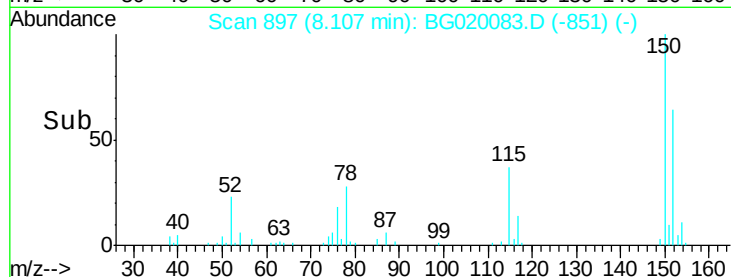
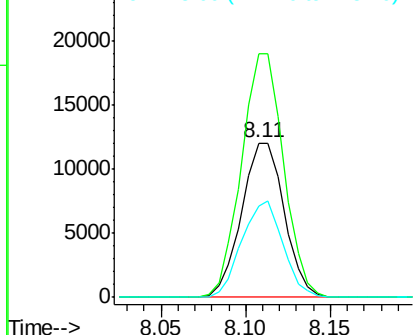
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 8.11 min Scan# 897
 Delta R.T. -0.03 min
 Lab File: BG020083.D
 Acq: 10 Dec 2015 19:54

Instrument :
 BNA_F
 ClientSampleId :
 S20-15

Tgt Ion:152 Resp: 21239
 Ion Ratio Lower Upper
 152 100
 150 157.3 115.0 172.4
 115 59.0 43.9 65.9

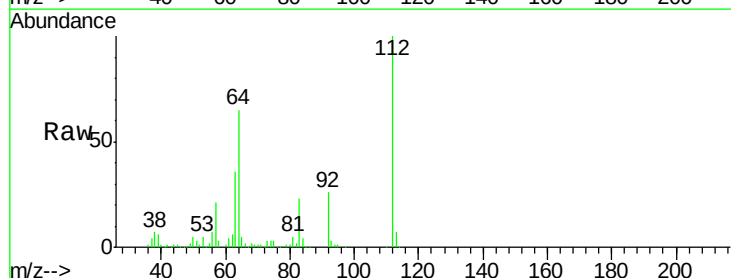


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

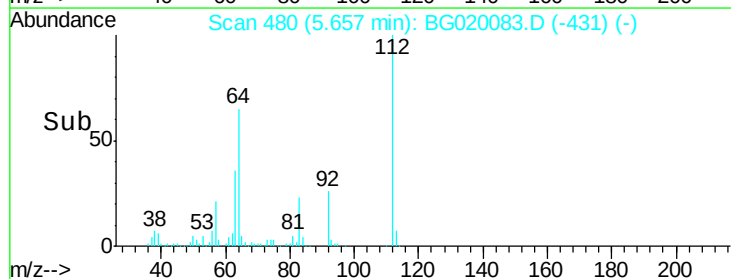
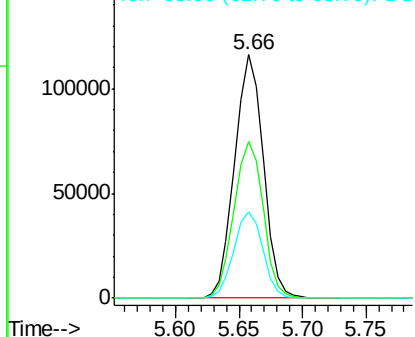


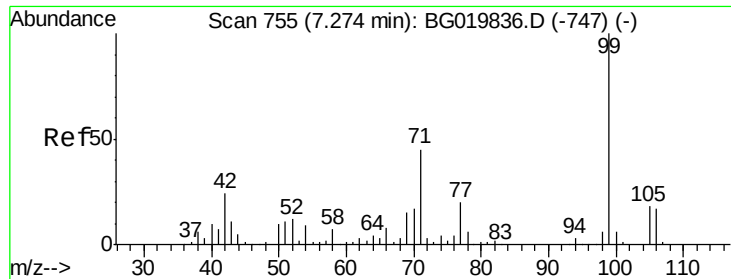
#5
 2-Fluorophenol
 Concen: 155.28 ng
 RT: 5.66 min Scan# 480
 Delta R.T. -0.01 min
 Lab File: BG020083.D
 Acq: 10 Dec 2015 19:54

Tgt Ion:112 Resp: 182476
 Ion Ratio Lower Upper
 112 100
 64 64.5 43.7 65.5
 63 35.5 24.0 36.0



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: 154.30 ng

RT: 7.26 min Scan# 753

Delta R.T. -0.01 min

Lab File: BG020083.D

Acq: 10 Dec 2015 19:54

Instrument :

BNA_F

ClientSampleId :

S20-15

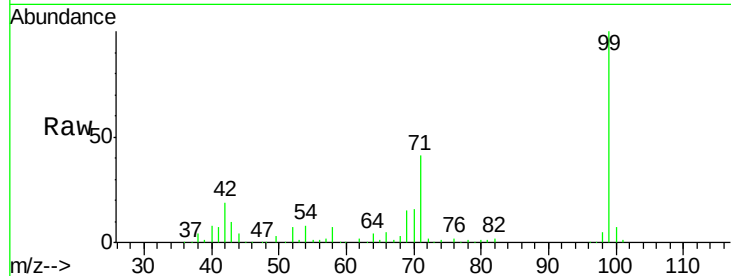
Tgt Ion: 99 Resp: 273767

Ion Ratio Lower Upper

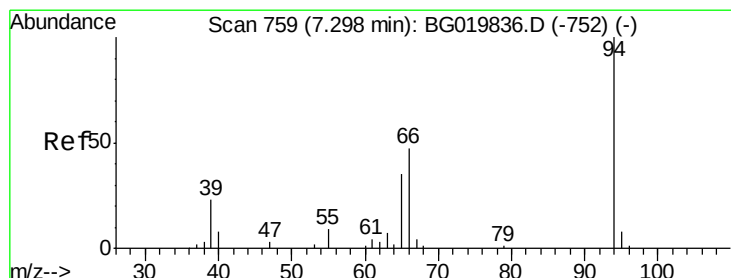
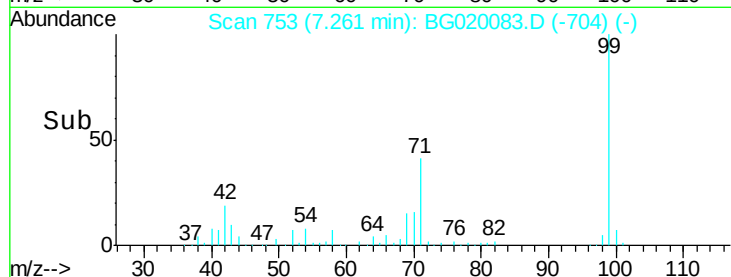
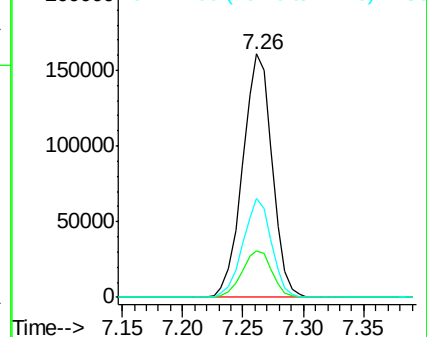
99 100

42 19.0 11.5 17.3#

71 40.8 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



#10

Phenol

Concen: 2.57 ng

RT: 7.29 min Scan# 758

Delta R.T. -0.01 min

Lab File: BG020083.D

Acq: 10 Dec 2015 19:54

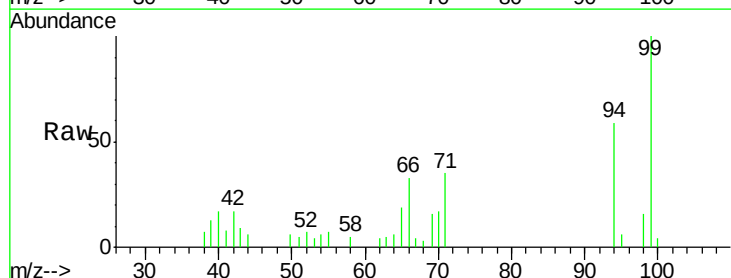
Tgt Ion: 94 Resp: 4804

Ion Ratio Lower Upper

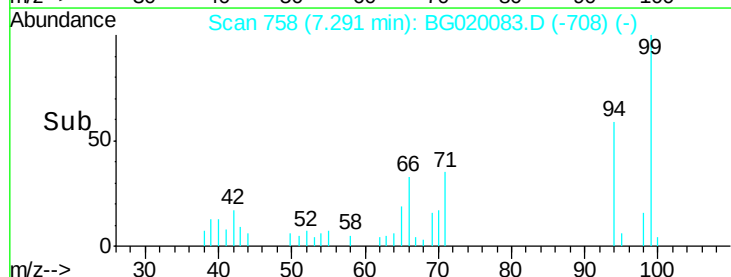
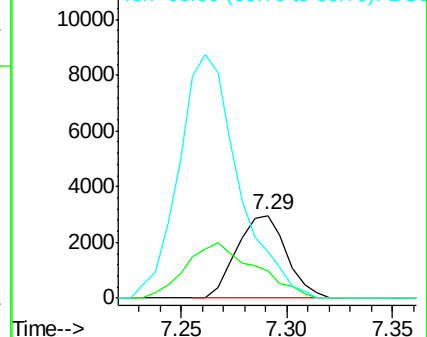
94 100

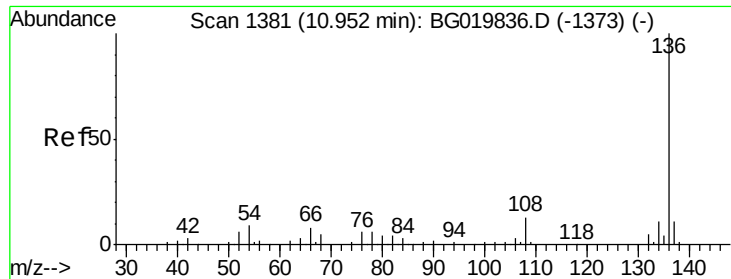
65 32.7 5.4 45.4

66 56.5 11.8 51.8#



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

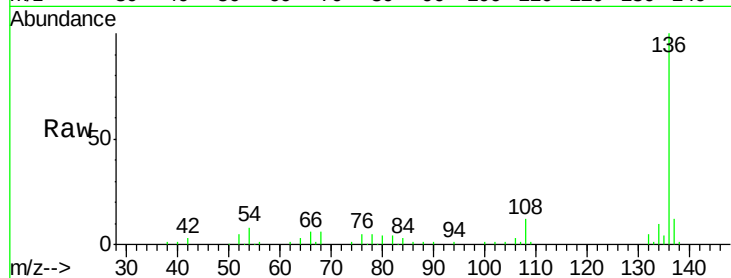




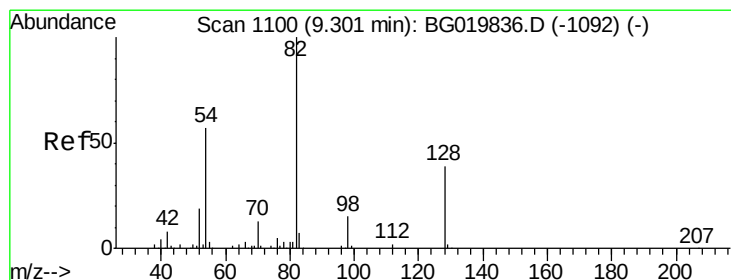
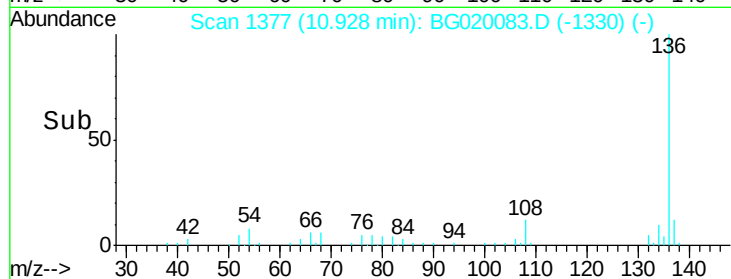
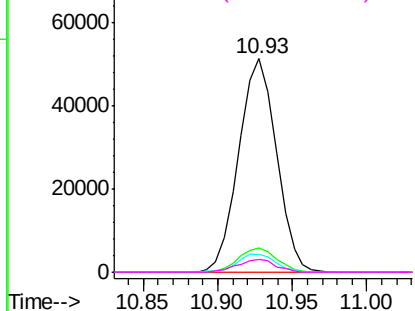
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.93 min Scan# 1377
Delta R.T. -0.02 min
Lab File: BG020083.D
Acq: 10 Dec 2015 19:54

Instrument :
BNA_F
ClientSampleId :
S20-15

Tgt Ion:	136	Resp:	90194
Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.6	12.8
54	8.2	5.4	8.2#
68	5.8	5.3	7.9

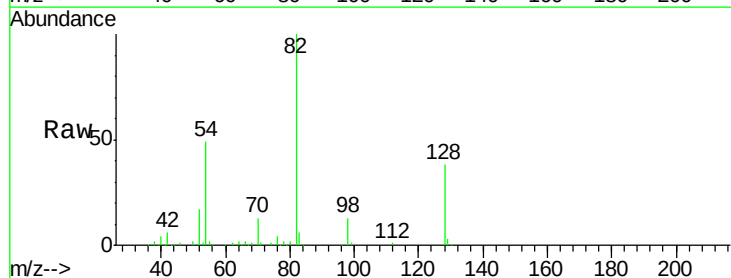


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

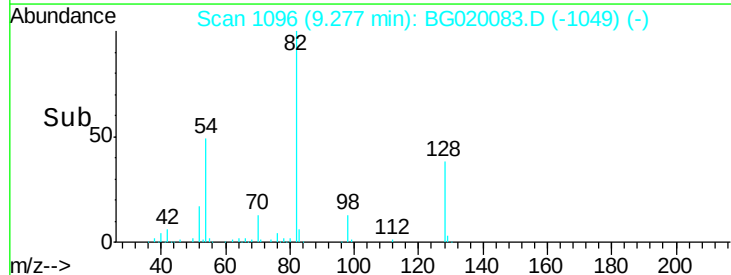
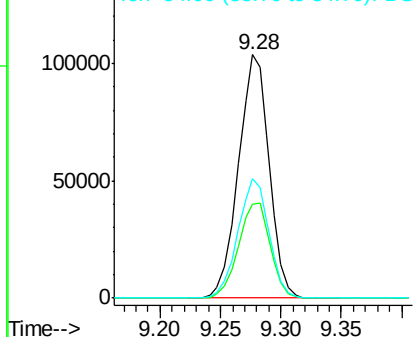


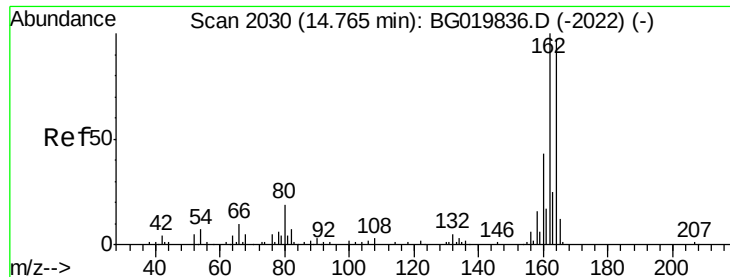
#23
Nitrobenzene-d5
Concen: 103.88 ng
RT: 9.28 min Scan# 1096
Delta R.T. -0.02 min
Lab File: BG020083.D
Acq: 10 Dec 2015 19:54

Tgt Ion:	82	Resp:	183591
Ion	Ratio	Lower	Upper
82	100		
128	38.5	36.7	55.1
54	48.9	33.8	50.8



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.74 min Scan# 2026

Delta R.T. -0.02 min

Lab File: BG020083.D

Acq: 10 Dec 2015 19:54

Instrument :

BNA_F

ClientSampleId :

S20-15

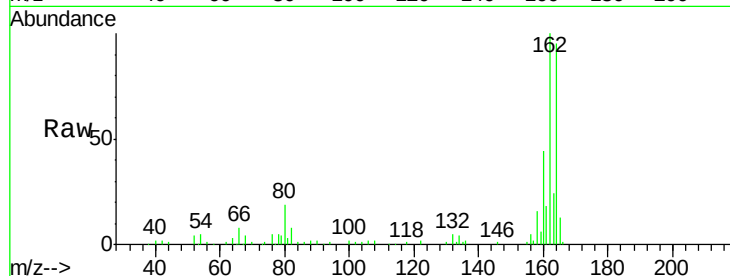
Tgt Ion:164 Resp: 60432

Ion Ratio Lower Upper

164 100

162 105.0 78.8 118.2

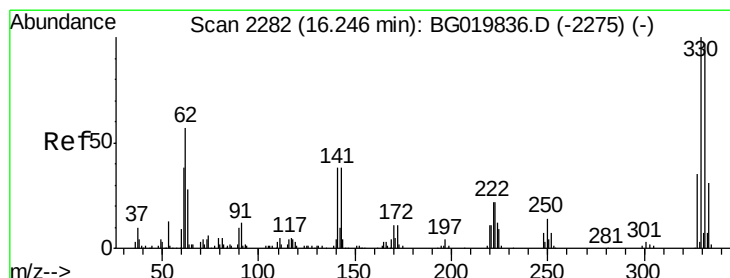
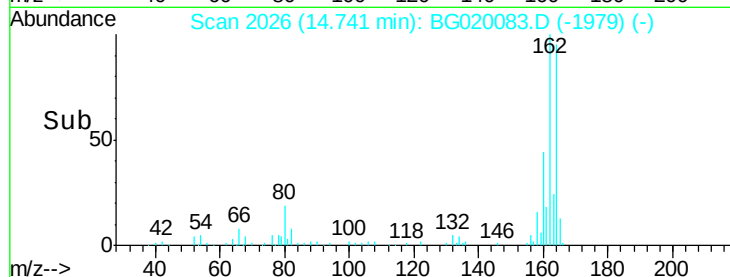
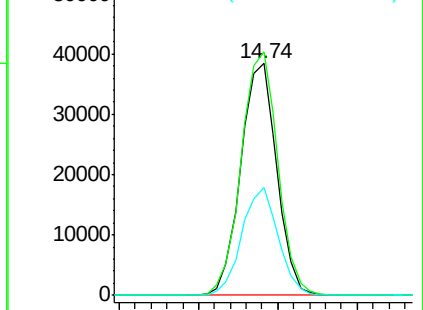
160 46.6 36.4 54.6



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: 146.85 ng

RT: 16.22 min Scan# 2278

Delta R.T. -0.02 min

Lab File: BG020083.D

Acq: 10 Dec 2015 19:54

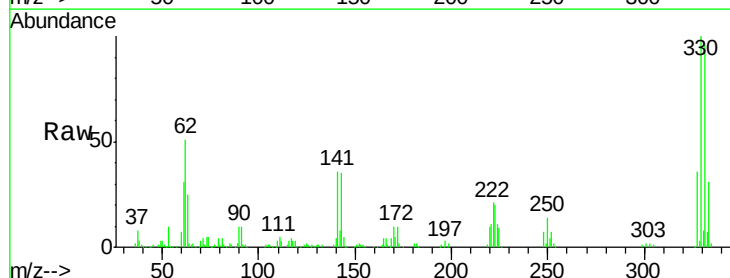
Tgt Ion:330 Resp: 135786

Ion Ratio Lower Upper

330 100

332 96.2 78.1 117.1

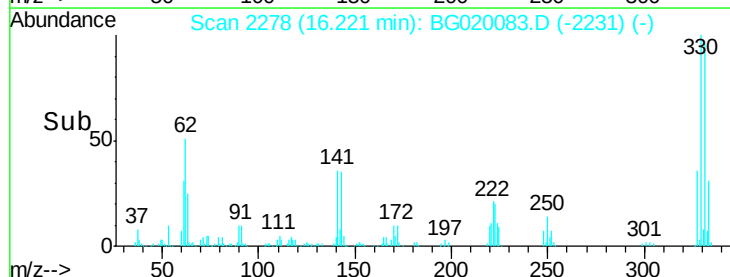
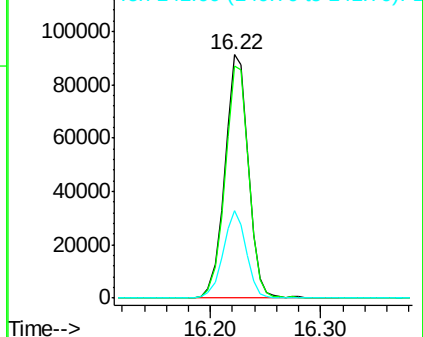
141 35.1 28.2 42.2

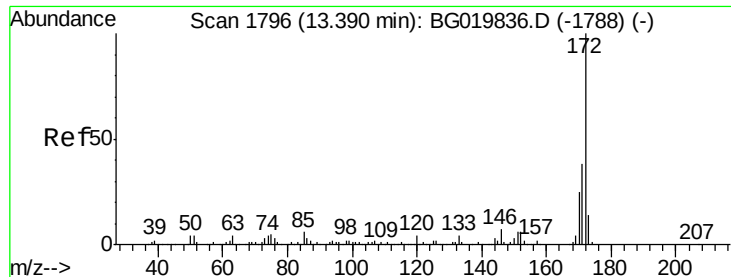


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

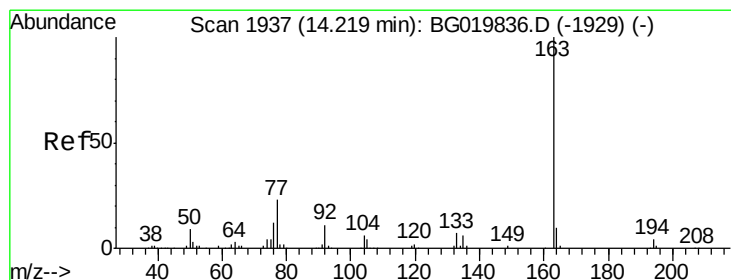
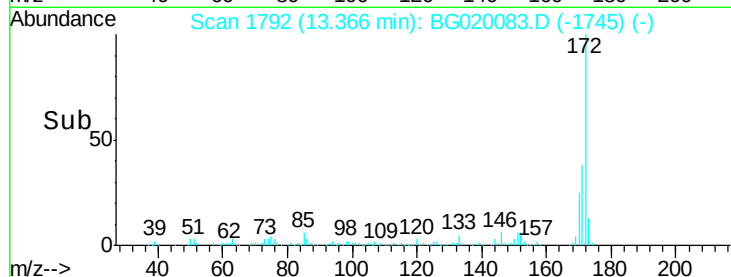
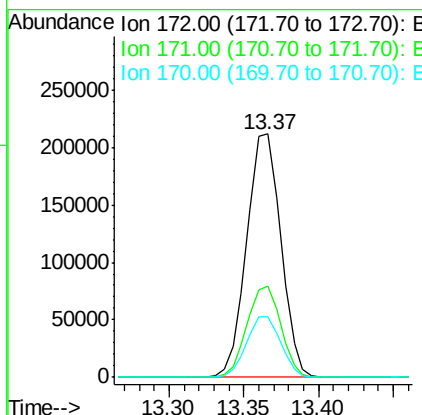
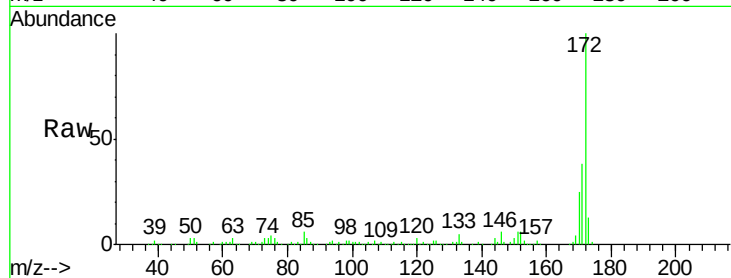




#44
2-Fluorobiphenyl
Concen: 75.66 ng
RT: 13.37 min Scan# 1792
Delta R.T. -0.02 min
Lab File: BG020083.D
Acq: 10 Dec 2015 19:54

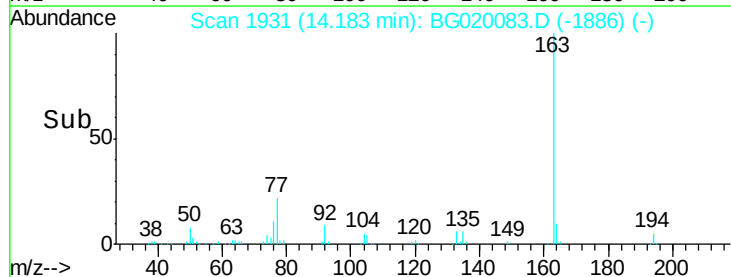
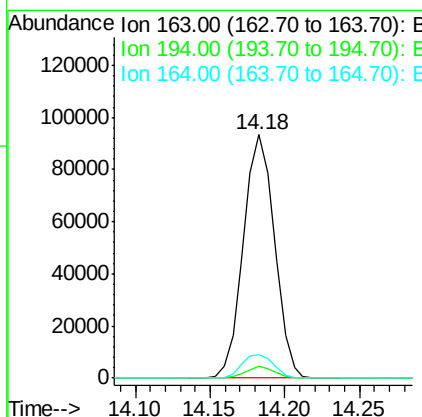
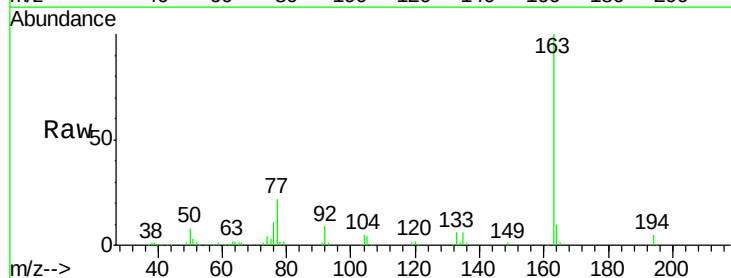
Instrument :
BNA_F
ClientSampled :
S20-15

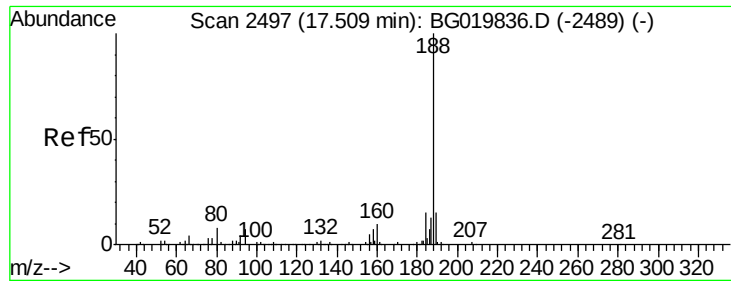
Tgt Ion:172 Resp: 334846
Ion Ratio Lower Upper
172 100
171 37.5 29.0 43.6
170 25.0 19.9 29.9



#49
Dimethylphthalate
Concen: 24.78 ng
RT: 14.18 min Scan# 1931
Delta R.T. -0.04 min
Lab File: BG020083.D
Acq: 10 Dec 2015 19:54

Tgt Ion:163 Resp: 134701
Ion Ratio Lower Upper
163 100
194 4.6 3.1 4.7
164 9.8 8.8 13.2

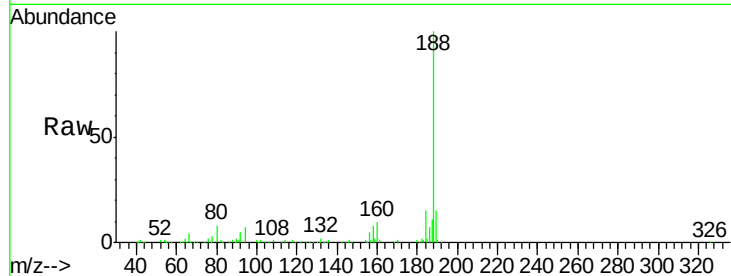




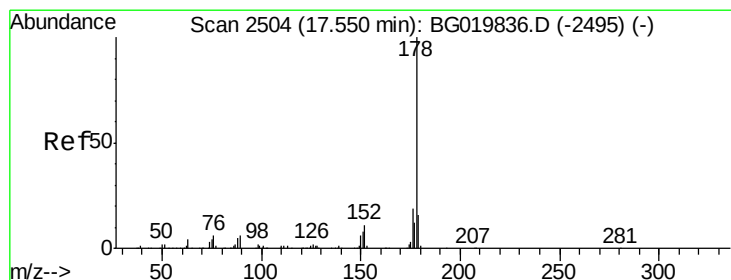
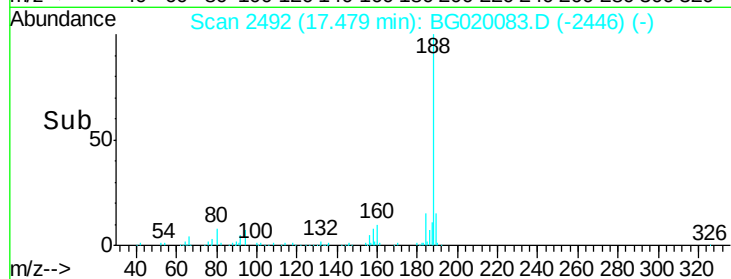
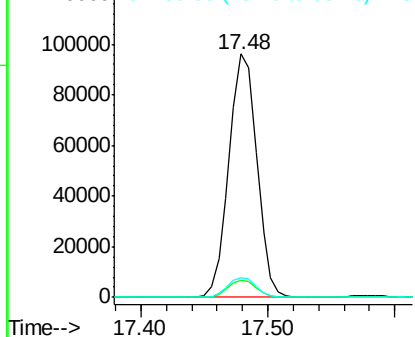
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.48 min Scan# 2492
Delta R.T. -0.03 min
Lab File: BG020083.D
Acq: 10 Dec 2015 19:54

Instrument :
BNA_F
ClientSampleId :
S20-15

Tgt Ion:188 Resp: 146331
Ion Ratio Lower Upper
188 100
94 6.8 7.7 11.5#
80 7.9 7.8 11.8

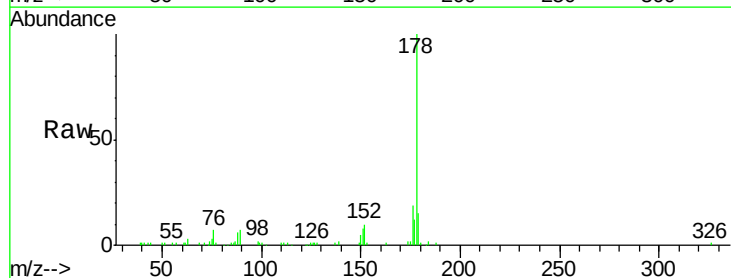


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

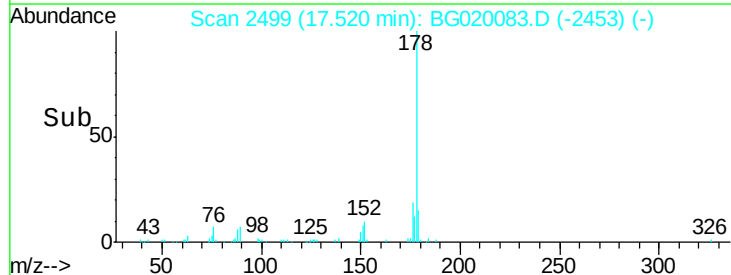
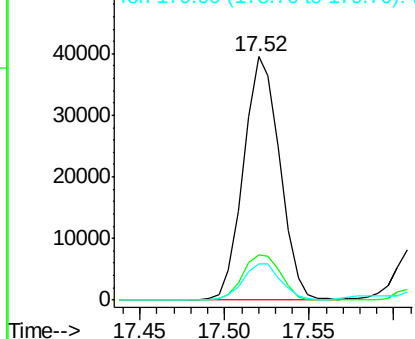


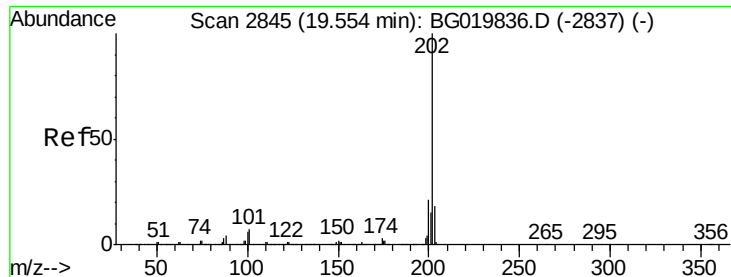
#70
Phenanthrene
Concen: 7.12 ng
RT: 17.52 min Scan# 2499
Delta R.T. -0.03 min
Lab File: BG020083.D
Acq: 10 Dec 2015 19:54

Tgt Ion:178 Resp: 58982
Ion Ratio Lower Upper
178 100
176 18.8 16.7 25.1
179 14.9 13.9 20.9



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: 8.85 ng

RT: 19.52 min Scan# 2840

Delta R.T. -0.03 min

Lab File: BG020083.D

Acq: 10 Dec 2015 19:54

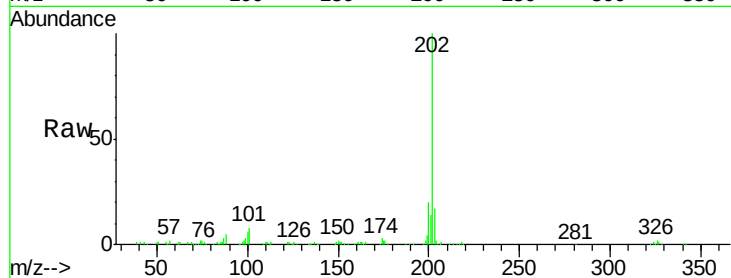
Instrument :

BNA_F

ClientSampleId :

S20-15

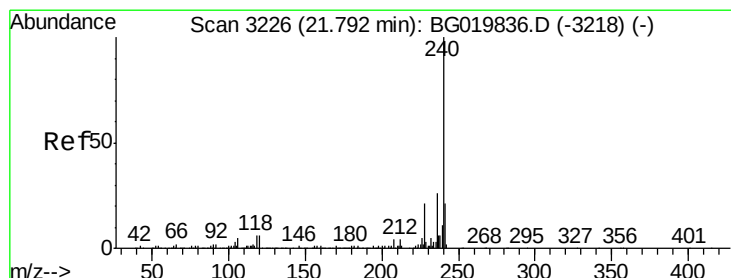
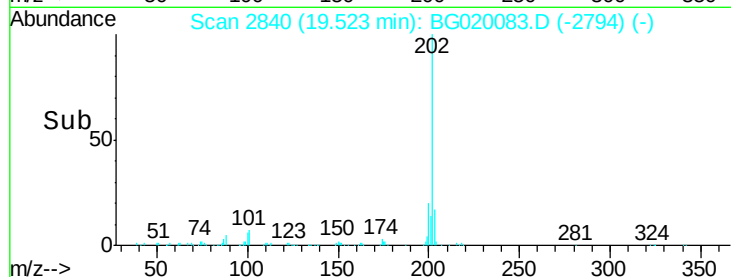
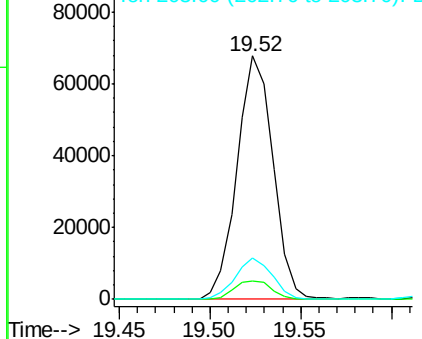
Tgt Ion:	202	Resp:	93757
Ion	Ratio	Lower	Upper
202	100		
101	7.7	0.0	32.4
203	16.9	0.0	39.5



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

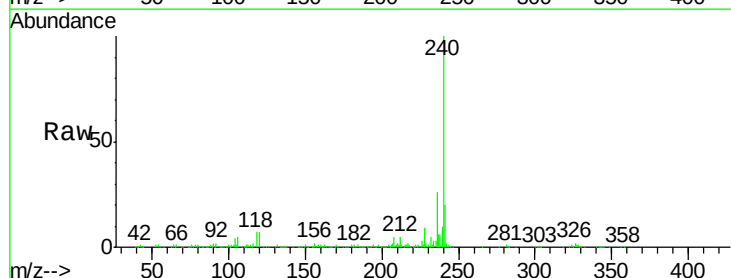
RT: 21.75 min Scan# 3219

Delta R.T. -0.04 min

Lab File: BG020083.D

Acq: 10 Dec 2015 19:54

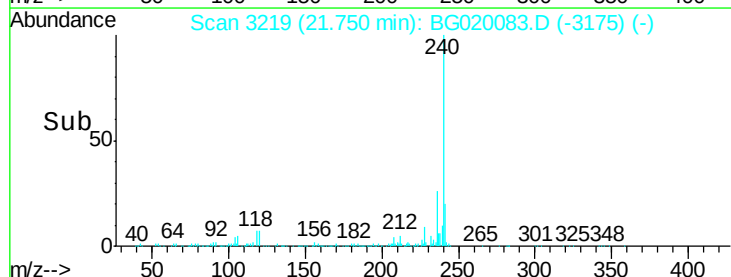
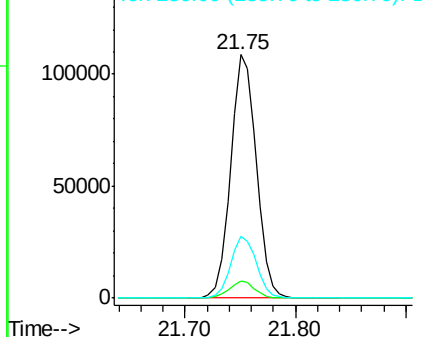
Tgt Ion:	240	Resp:	177027
Ion	Ratio	Lower	Upper
240	100		
120	7.1	7.4	11.0#
236	25.5	20.7	31.1

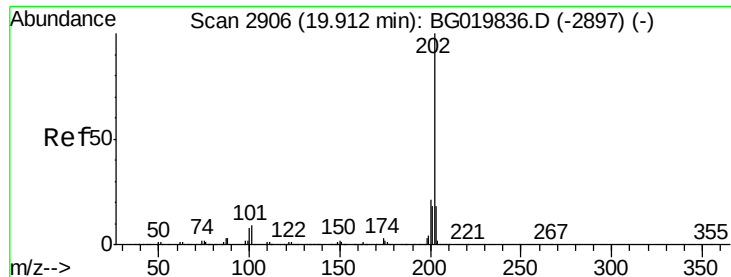


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

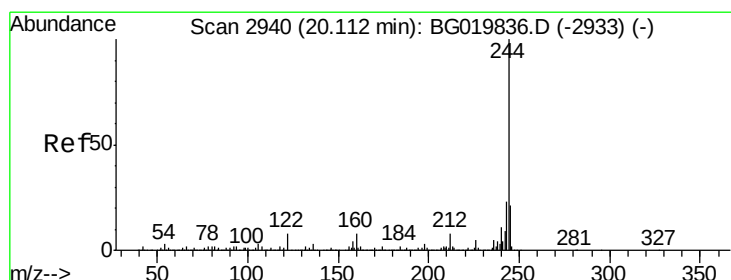
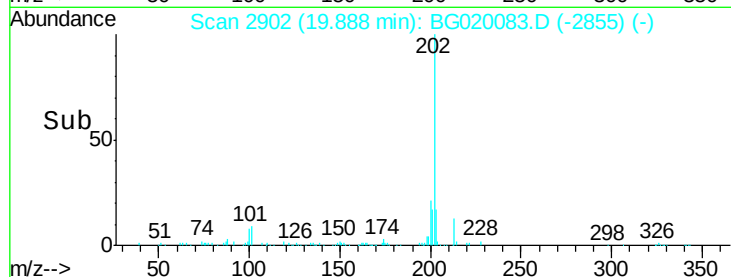
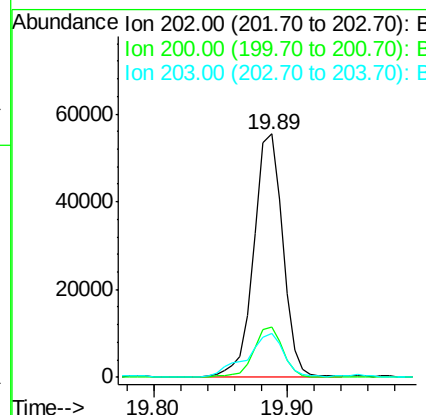
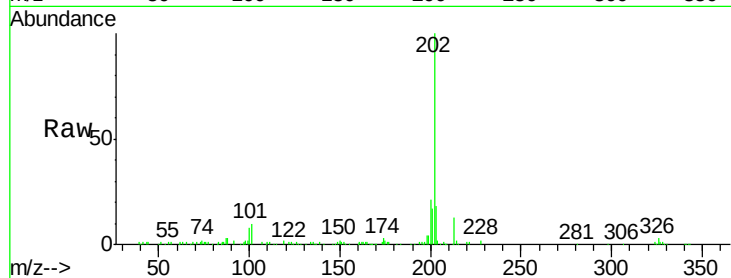




#77
 Pyrene
 Concen: 7.97 ng
 RT: 19.89 min Scan# 2902
 Delta R.T. -0.02 min
 Lab File: BG020083.D
 Acq: 10 Dec 2015 19:54

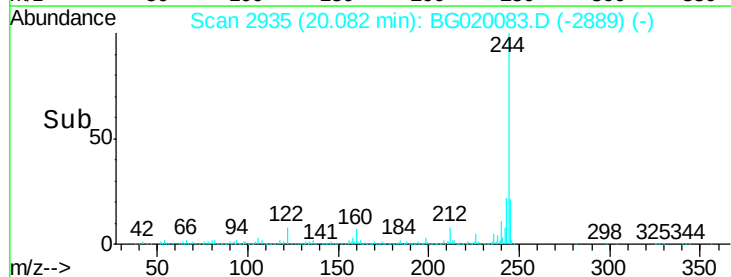
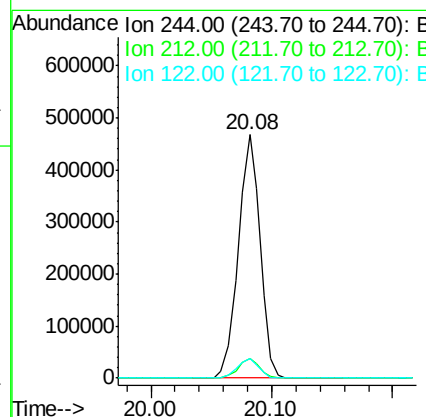
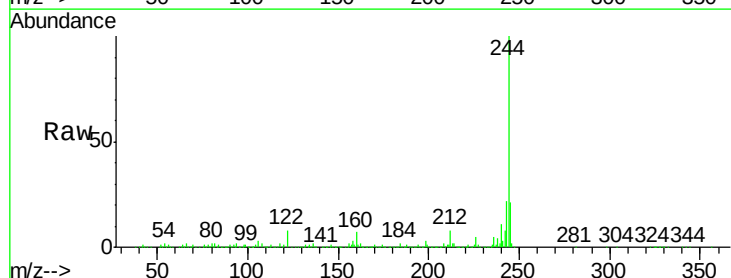
Instrument :
 BNA_F
 ClientSampleId :
 S20-15

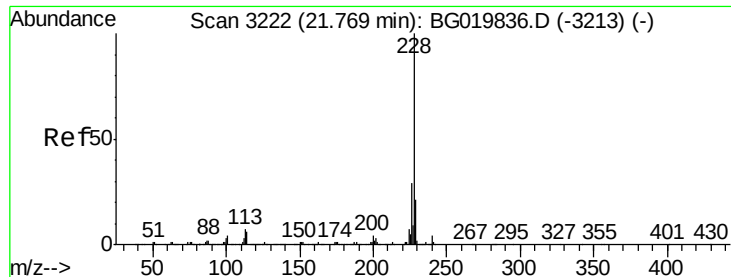
Tgt Ion:	202	Resp:	82956
Ion	Ratio	Lower	Upper
202	100		
200	20.7	19.4	29.0
203	18.3	15.5	23.3



#78
 Terphenyl-d14
 Concen: 80.95 ng
 RT: 20.08 min Scan# 2935
 Delta R.T. -0.03 min
 Lab File: BG020083.D
 Acq: 10 Dec 2015 19:54

Tgt Ion:	244	Resp:	587501
Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.9	10.3
122	8.1	10.2	15.2#





#80

Benzo(a)anthracene

Concen: 5.37 ng

RT: 21.73 min Scan# 3216

Delta R.T. -0.04 min

Lab File: BG020083.D

Acq: 10 Dec 2015 19:54

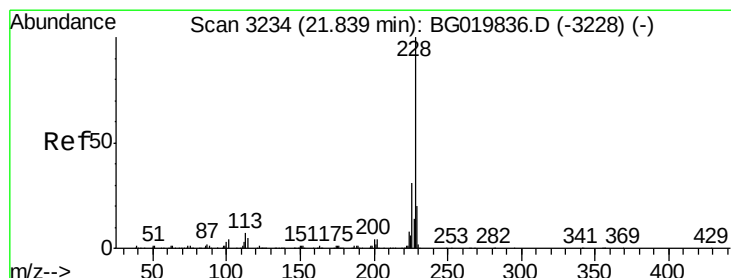
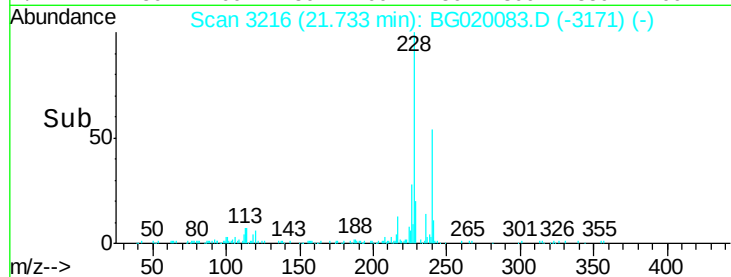
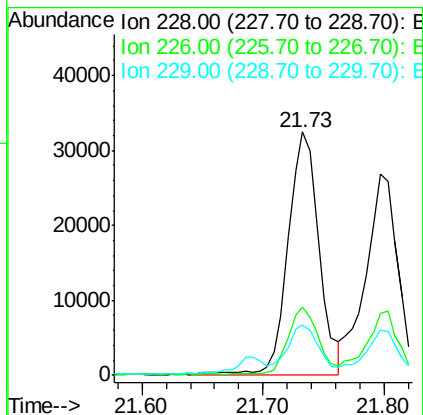
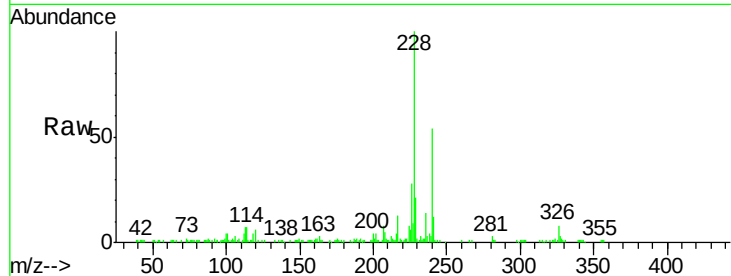
Instrument :

BNA_F

ClientSampleId :

S20-15

Tgt Ion:	228	Resp:	58138
Ion	Ratio	Lower	Upper
228	100		
226	28.2	23.4	35.0
229	20.7	16.6	25.0



#82

Chrysene

Concen: 4.83 ng

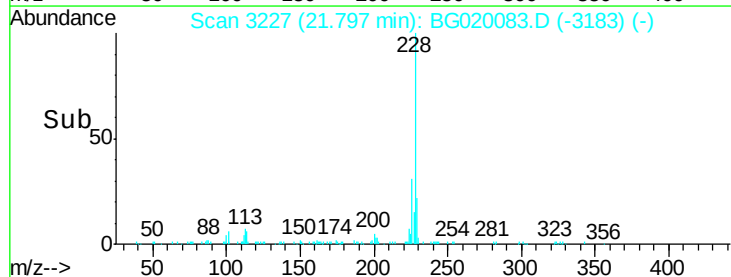
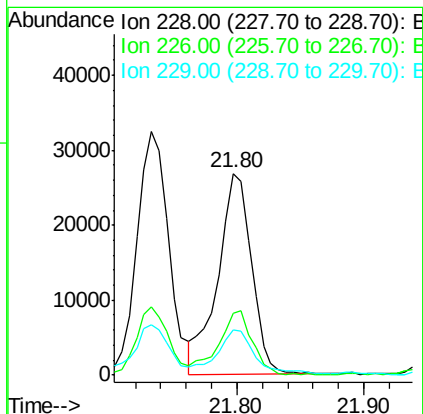
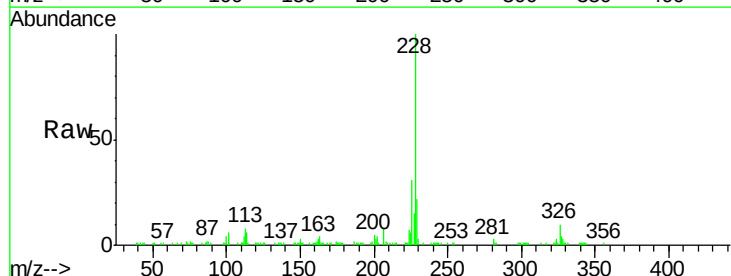
RT: 21.80 min Scan# 3227

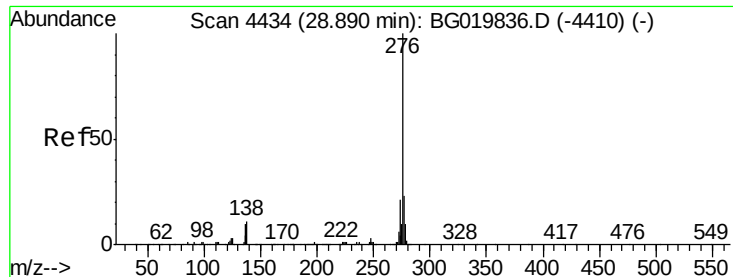
Delta R.T. -0.04 min

Lab File: BG020083.D

Acq: 10 Dec 2015 19:54

Tgt Ion:	228	Resp:	49719
Ion	Ratio	Lower	Upper
228	100		
226	30.9	26.7	40.1
229	22.2	17.0	25.6

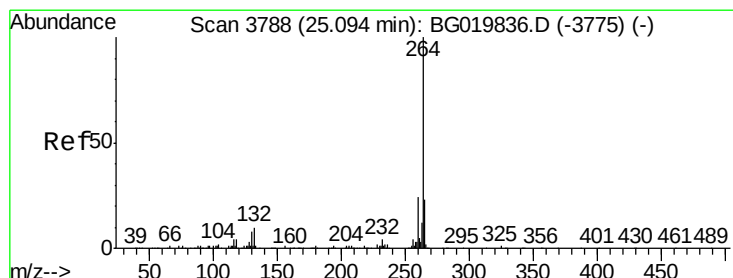
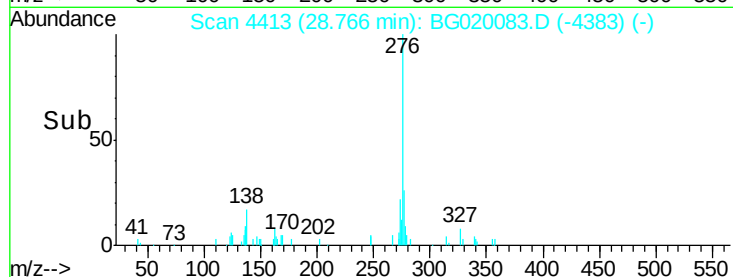
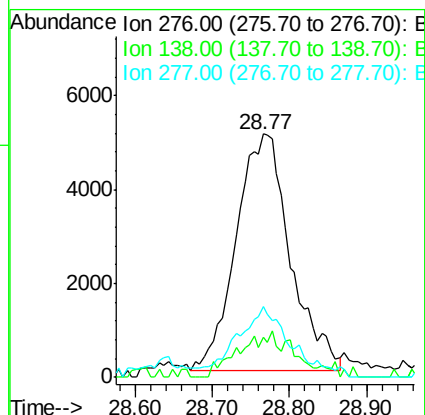
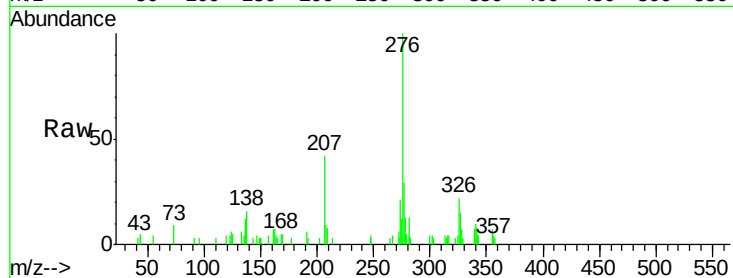




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.18 ng
 RT: 28.77 min Scan# 4413
 Delta R.T. -0.12 min
 Lab File: BG020083.D
 Acq: 10 Dec 2015 19:54

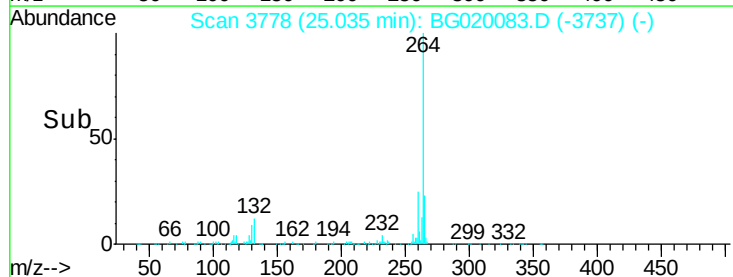
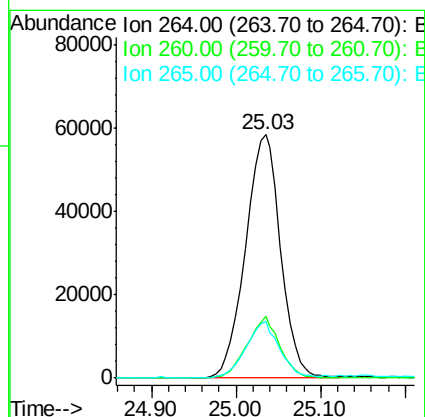
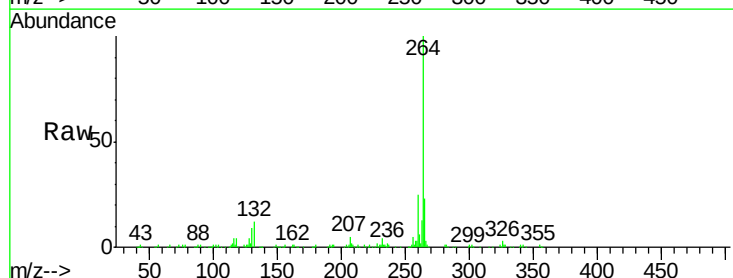
Instrument :
 BNA_F
 ClientSampleId :
 S20-15

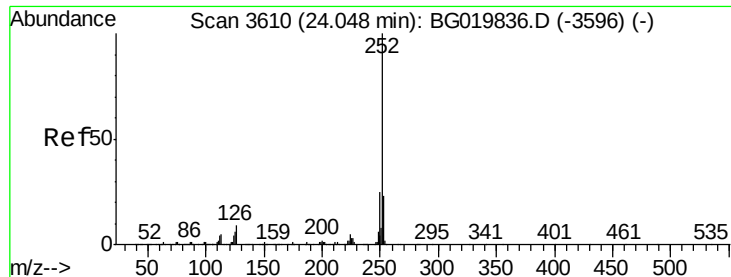
Tgt Ion: 276 Resp: 24661
 Ion Ratio Lower Upper
 276 100
 138 8.2 0.0 0.0#
 277 29.6 0.0 0.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.03 min Scan# 3778
 Delta R.T. -0.06 min
 Lab File: BG020083.D
 Acq: 10 Dec 2015 19:54

Tgt Ion: 264 Resp: 168313
 Ion Ratio Lower Upper
 264 100
 260 25.3 18.5 27.7
 265 23.1 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 5.35 ng

RT: 23.99 min Scan# 3600

Delta R.T. -0.06 min

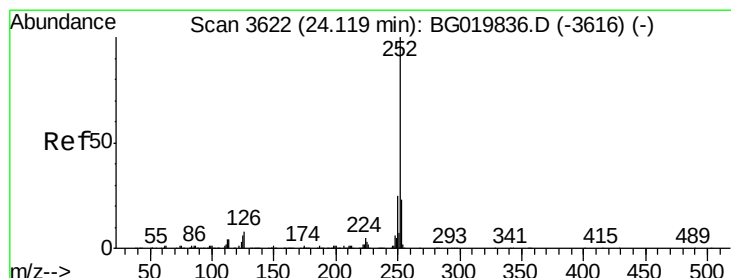
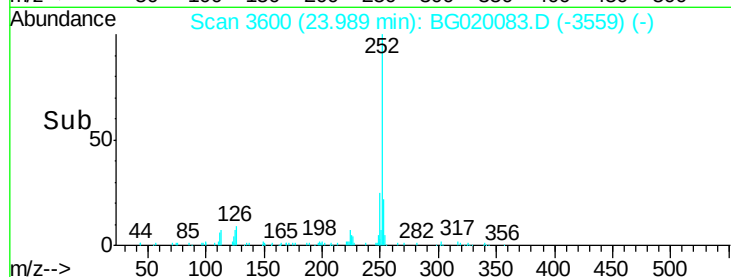
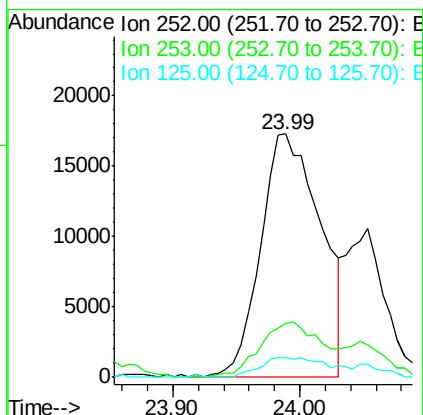
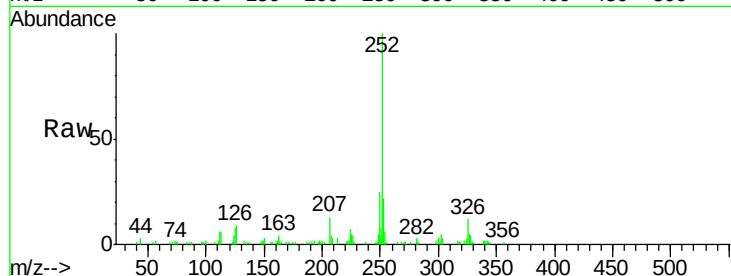
Lab File: BG020083.D

Acq: 10 Dec 2015 19:54

Instrument :
BNA_F
ClientSampleId :
S20-15

Tgt Ion:252 Resp: 57094

Ion	Ratio	Lower	Upper
252	100		
253	22.2	19.1	28.7
125	8.2	8.9	13.3#



#88

Benzo(k)fluoranthene

Concen: 5.40 ng

RT: 23.99 min Scan# 3600

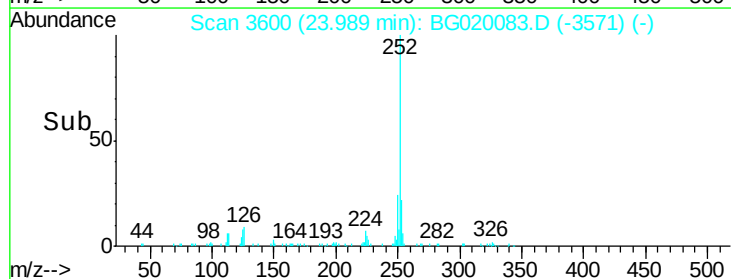
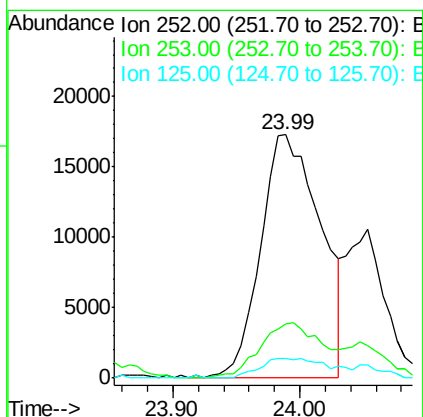
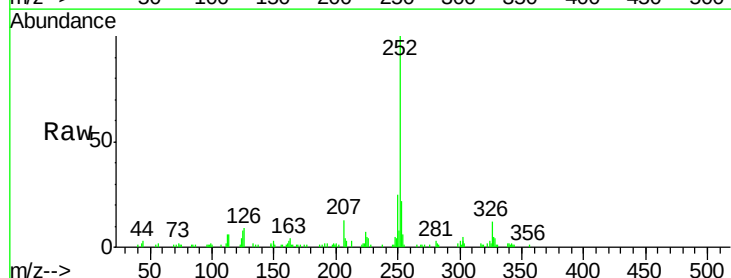
Delta R.T. -0.13 min

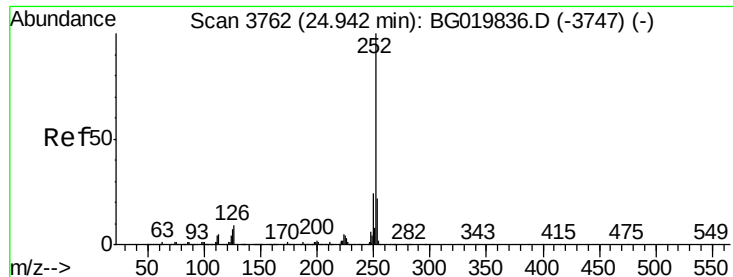
Lab File: BG020083.D

Acq: 10 Dec 2015 19:54

Tgt Ion:252 Resp: 57094

Ion	Ratio	Lower	Upper
252	100		
253	22.2	19.0	28.4
125	8.2	8.9	13.3#





#89

Benzo(a)pyrene

Concen: 4.39 ng

RT: 24.87 min Scan# 3750

Delta R.T. -0.07 min

Lab File: BG020083.D

Acq: 10 Dec 2015 19:54

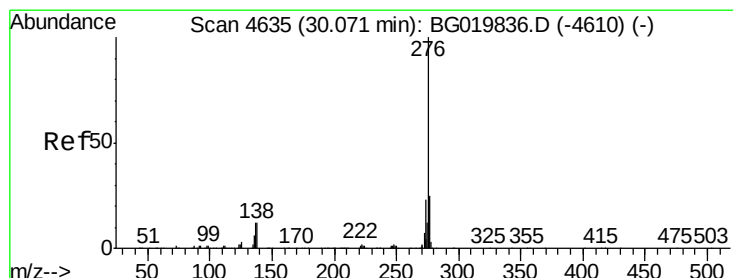
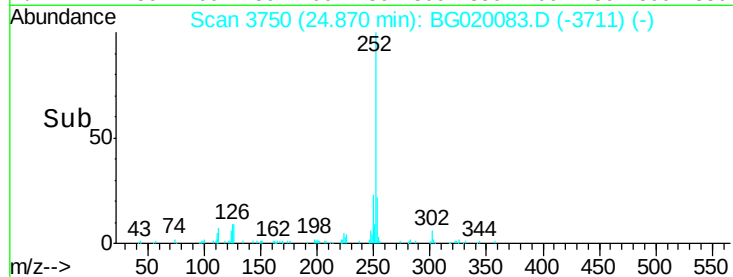
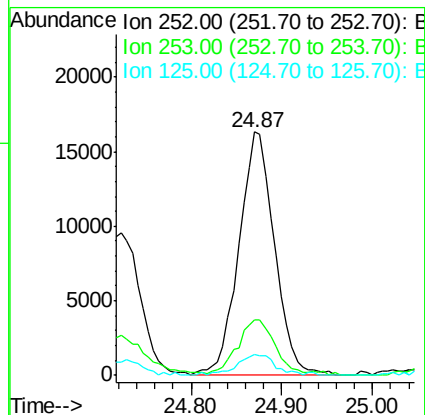
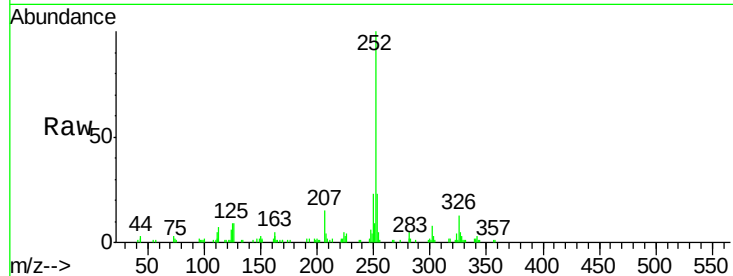
Instrument :

BNA_F

ClientSampleId :

S20-15

Tgt Ion:	252	Resp:	44459
Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.7	28.1
125	8.8	9.1	13.7#



#91

Benzo(g,h,i)perylene

Concen: 2.18 ng

RT: 29.93 min Scan# 4612

Delta R.T. -0.14 min

Lab File: BG020083.D

Acq: 10 Dec 2015 19:54

Tgt Ion:	276	Resp:	21449
Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.4	27.6
138	17.6	17.4	26.0

