

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051916\
 Data File : BF087189.D
 Acq On : 19 May 2016 16:13
 Operator : UM/SJ
 Sample : H3119-02 25X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-CLARK-ST-ESMI-8

Quant Time: May 19 18:34:46 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 19 18:14:51 2016
 Response via : Initial Calibration

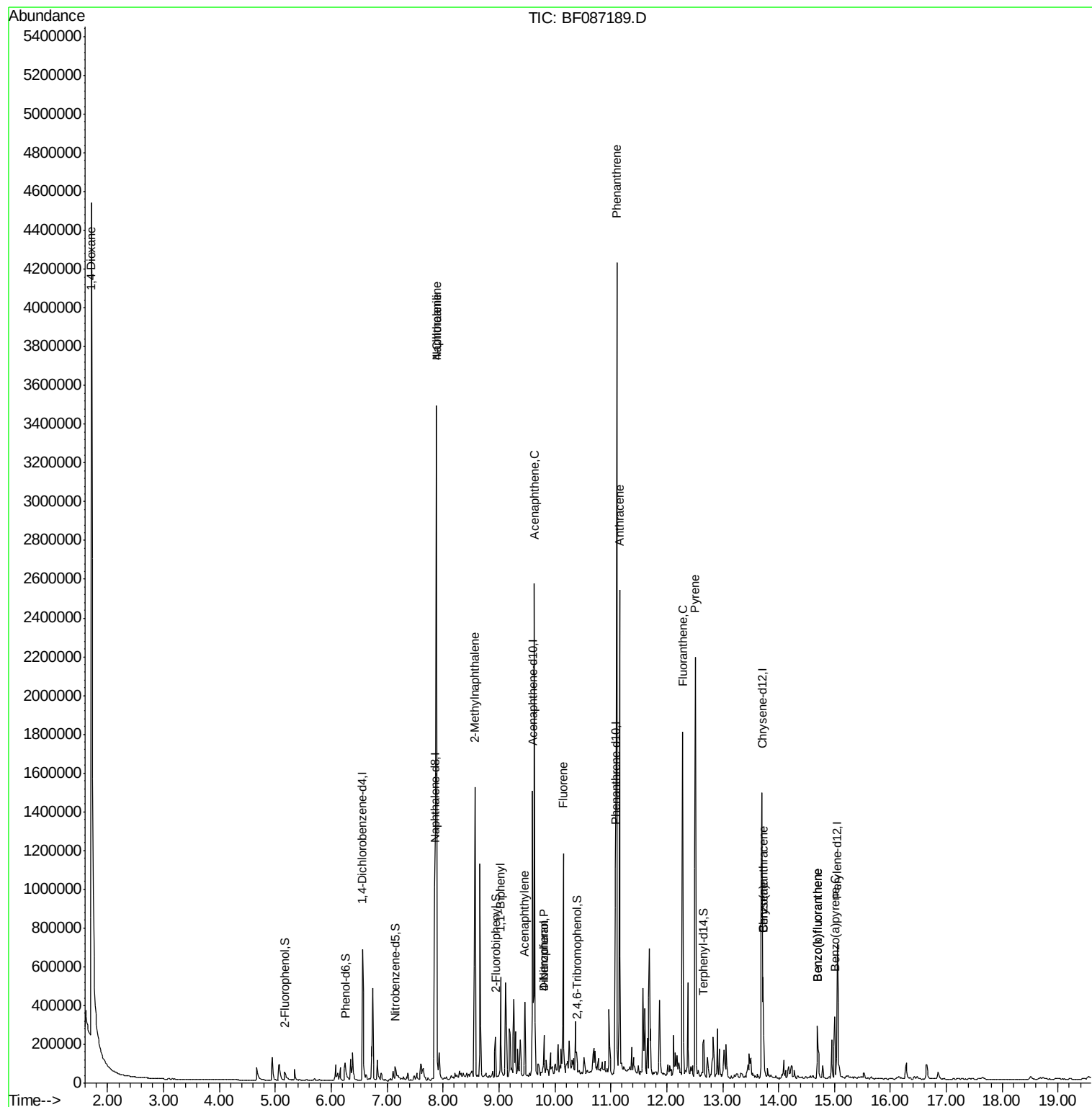
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	129138	20.00	ng	-0.01
21) Naphthalene-d8	7.85	136	531678	20.00	ng	-0.01
38) Acenaphthene-d10	9.60	164	271090	20.00	ng	0.00
63) Phenanthrene-d10	11.08	188	506415	20.00	ng	0.00
75) Chrysene-d12	13.70	240	384356	20.00	ng	-0.01
86) Perylene-d12	15.05	264	302886	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	30240	3.94	ng	0.02
7) Phenol-d6	6.25	99	58677	5.69	ng	0.01
23) Nitrobenzene-d5	7.14	82	43397	4.07	ng	-0.01
41) 2,4,6-Tribromophenol	10.40	330	8712	2.91	ng	0.00
44) 2-Fluorobiphenyl	8.94	172	82357	5.03	ng	0.00
78) Terphenyl-d14	12.66	244	76626	4.51	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	1.71	88	179123	45.32	ng	# 24
31) Naphthalene	7.88	128	2441802	93.99	ng	99
33) 4-Chloroaniline	7.88	127	339464	31.44	ng	# 37
37) 2-Methylnaphthalene	8.57	142	436466	26.27	ng	98
45) 1,1'-Biphenyl	9.03	154	164157	7.30	ng	96
48) Acenaphthylene	9.46	152	117916	4.47	ng	97
51) Acenaphthene	9.63	154	508804	30.91	ng	98
54) Dibenzofuran	9.80	168	46210	2.17	ng	# 87
55) 4-Nitrophenol	9.80	139	20697	13.44	ng	# 20
57) Fluorene	10.15	166	331638	19.39	ng	99
70) Phenanthrene	11.11	178	1589538	57.87	ng	99
71) Anthracene	11.15	178	970359	34.93	ng	100
74) Fluoranthene	12.28	202	685205	24.90	ng	95
77) Pyrene	12.51	202	987874	35.58	ng	99
80) Benzo(a)anthracene	13.73	228	179373	8.07	ng	96
82) Chrysene	13.73	228	179612	8.35	ng	99
87) Benzo(b)fluoranthene	14.70	252	175982	8.76	ng	98
88) Benzo(k)fluoranthene	14.70	252	175982	11.76	ng	99
89) Benzo(a)pyrene	15.01	252	154057	9.17	ng	98

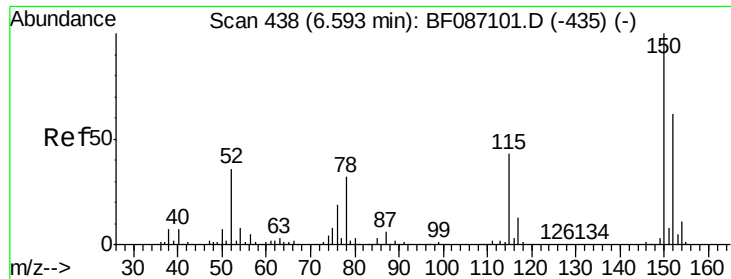
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051916\
Data File : BF087189.D
Acq On : 19 May 2016 16:13
Operator : UM/SJ
Sample : H3119-02 25X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NYSEG-CLARK-ST-ESMI-8

Quant Time: May 19 18:34:46 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 19 18:14:51 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.56 min Scan# 435

Delta R.T. -0.01 min

Lab File: BF087189.D

Acq: 19 May 2016 16:13

Instrument :

BNA_F

ClientSampleId :

NYSEG-CLARK-ST-ESMI-8

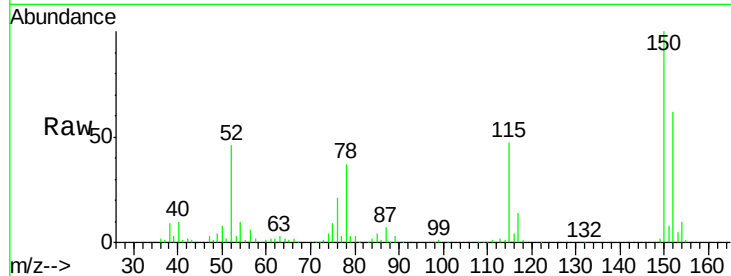
Tgt Ion:152 Resp: 129138

Ion Ratio Lower Upper

152 100

150 161.2 125.8 188.6

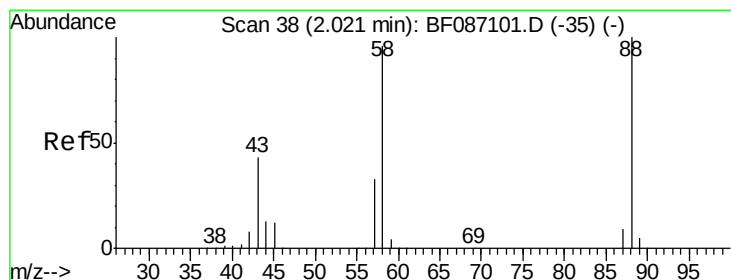
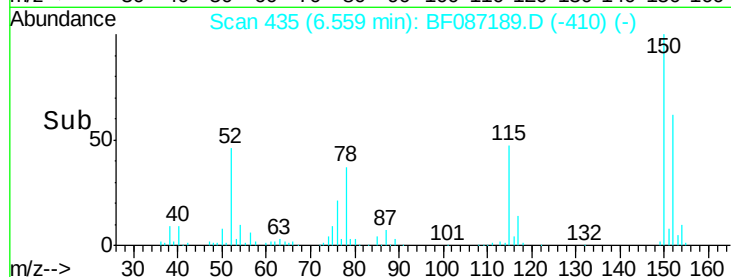
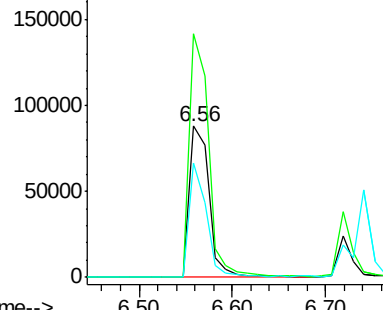
115 75.8 51.5 77.3



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



#2

1,4-Dioxane

Concen: 45.32 ng

RT: 1.71 min Scan# 11

Delta R.T. -0.26 min

Lab File: BF087189.D

Acq: 19 May 2016 16:13

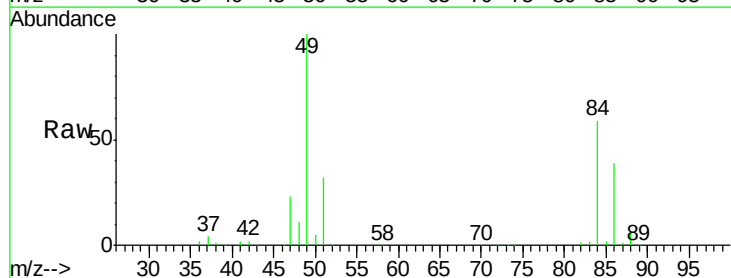
Tgt Ion: 88 Resp: 179123

Ion Ratio Lower Upper

88 100

58 0.0 59.6 89.4#

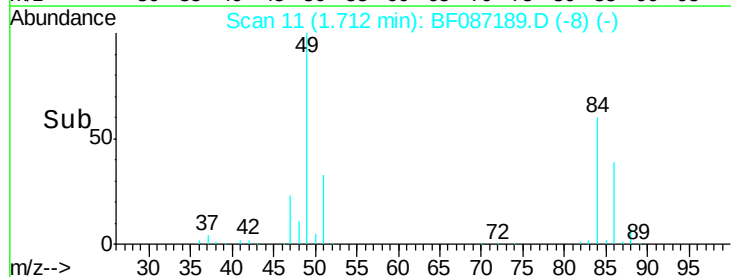
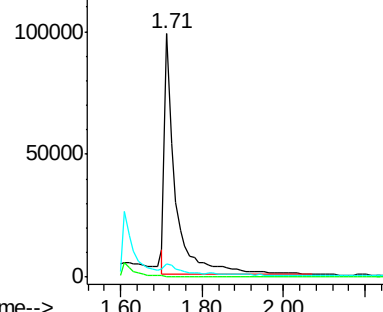
43 4.8 21.8 32.6#

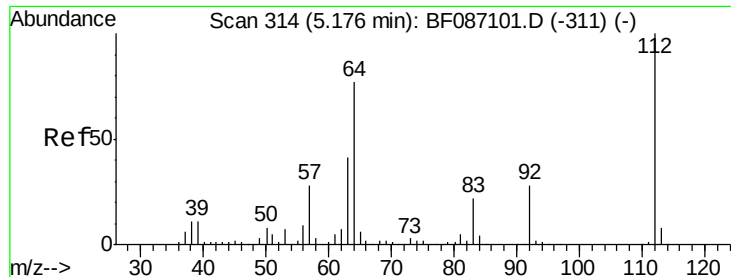


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 3.94 ng

RT: 5.16 min Scan# 313

Delta R.T. 0.02 min

Lab File: BF087189.D

Acq: 19 May 2016 16:13

Instrument :

BNA_F

ClientSampleId :

NYSEG-CLARK-ST-ESMI-8

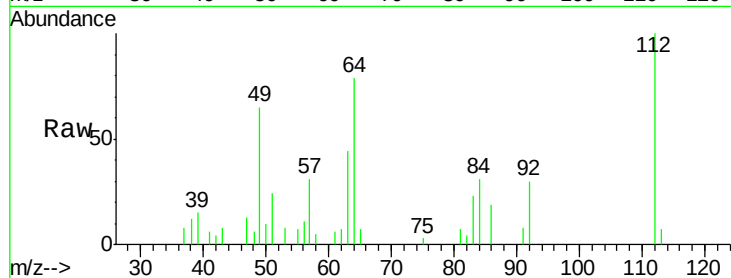
Tgt Ion: 112 Resp: 30240

Ion Ratio Lower Upper

112 100

64 79.0 52.1 78.1#

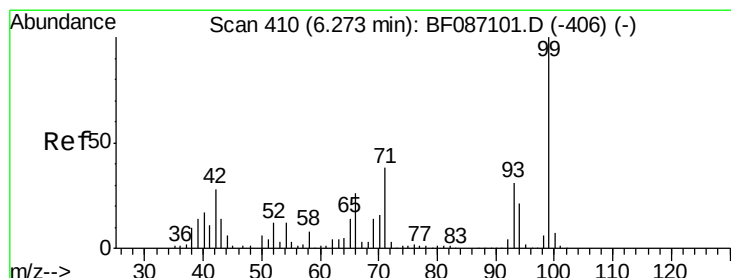
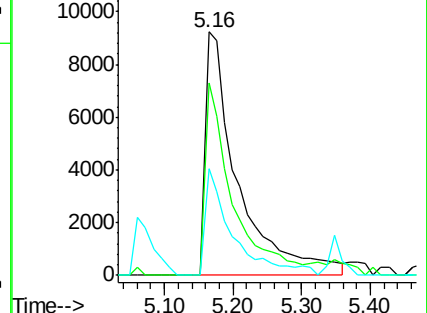
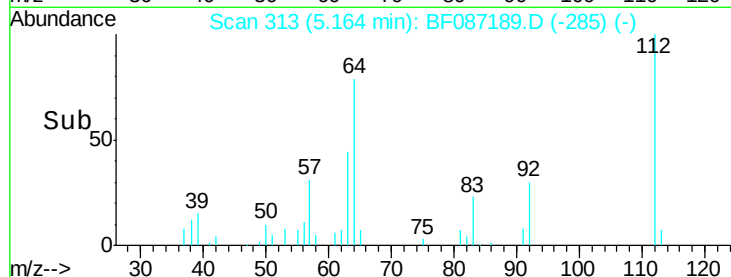
63 43.9 25.7 38.5#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 5.69 ng

RT: 6.25 min Scan# 408

Delta R.T. 0.01 min

Lab File: BF087189.D

Acq: 19 May 2016 16:13

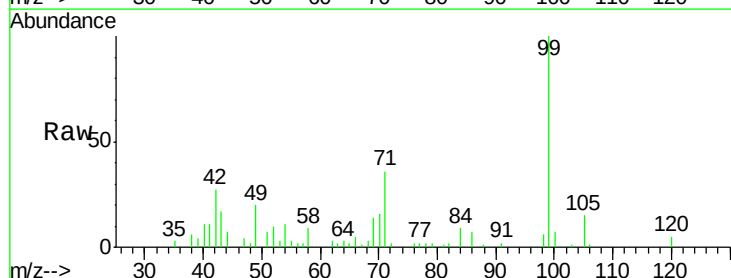
Tgt Ion: 99 Resp: 58677

Ion Ratio Lower Upper

99 100

42 27.4 13.6 20.4#

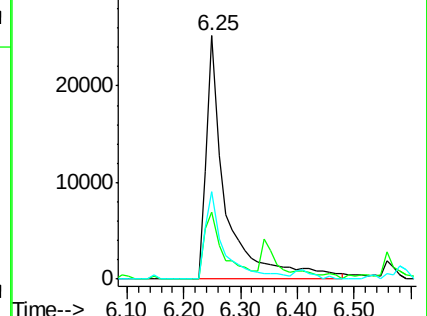
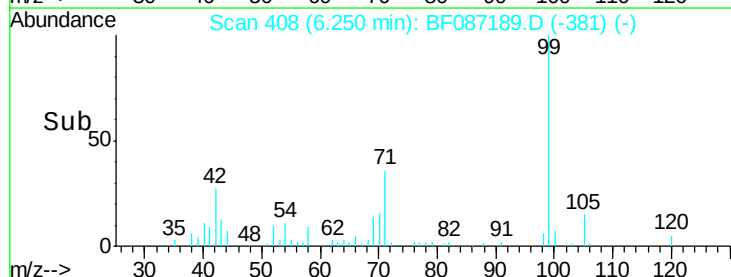
71 36.2 24.6 36.8

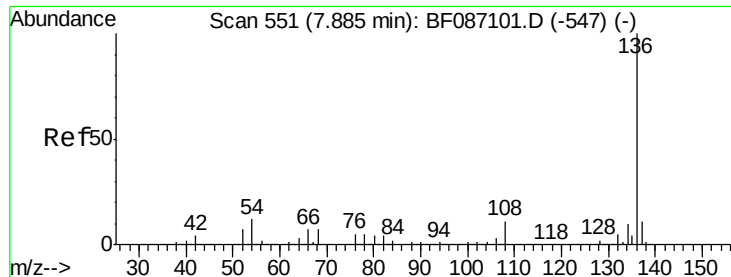


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.85 min Scan# 548

Delta R.T. -0.01 min

Lab File: BF087189.D

Acq: 19 May 2016 16:13

Instrument :

BNA_F

ClientSampleId :

NYSEG-CLARK-ST-ESMI-8

Tgt Ion:136 Resp: 531678

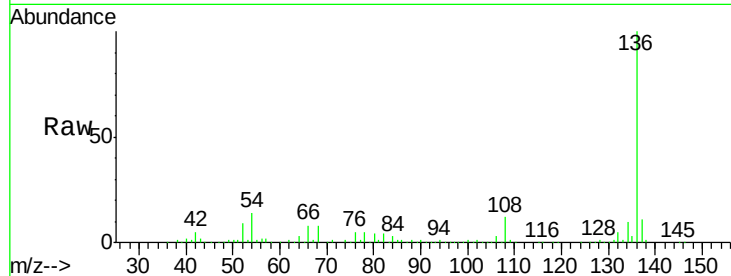
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 14.3 5.0 7.4#

68 7.6 4.4 6.6#

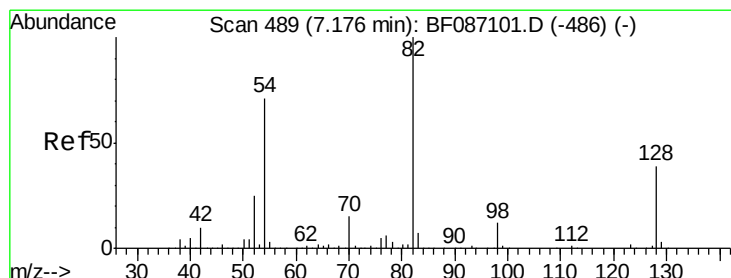
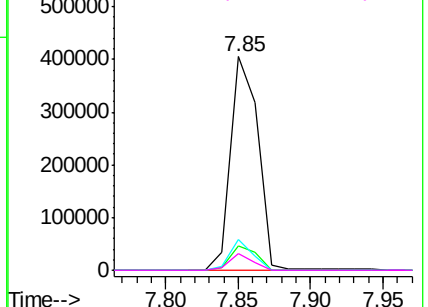
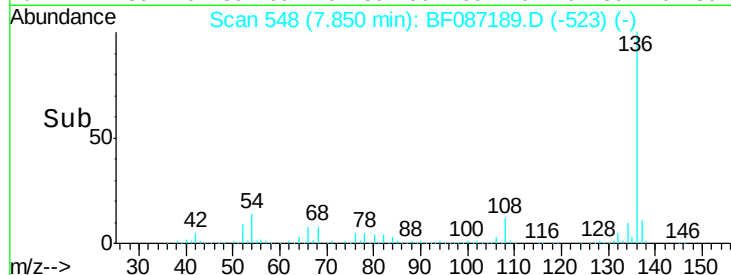


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 4.07 ng

RT: 7.14 min Scan# 486

Delta R.T. -0.01 min

Lab File: BF087189.D

Acq: 19 May 2016 16:13

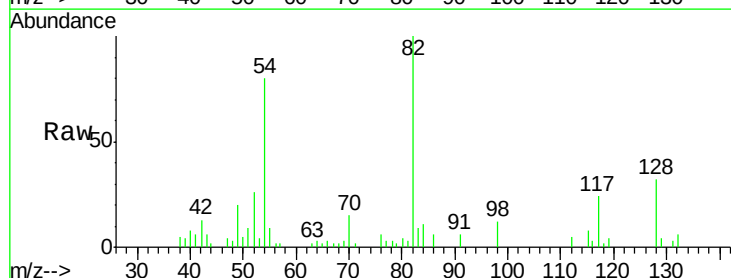
Tgt Ion: 82 Resp: 43397

Ion Ratio Lower Upper

82 100

128 32.5 40.6 61.0#

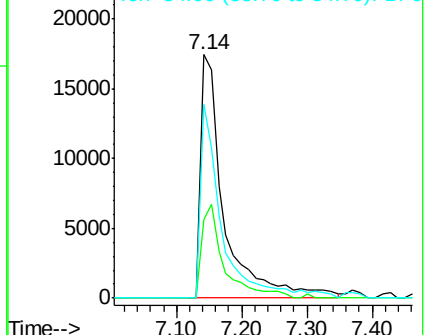
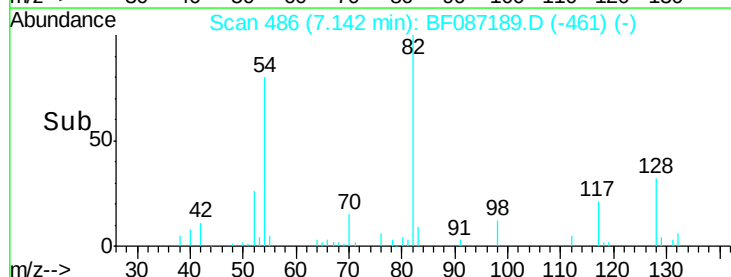
54 79.5 38.1 57.1#

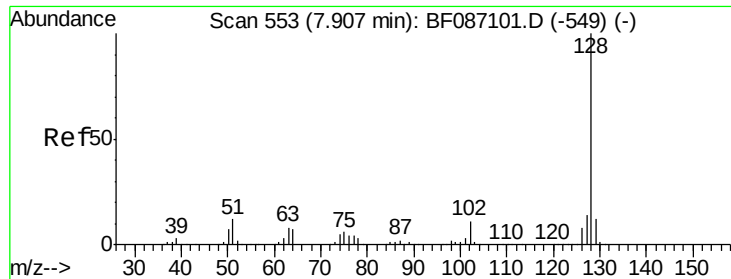


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

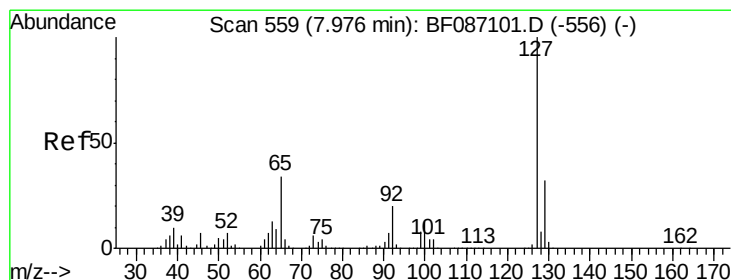
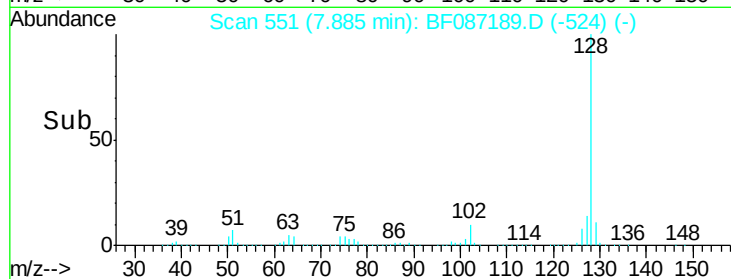
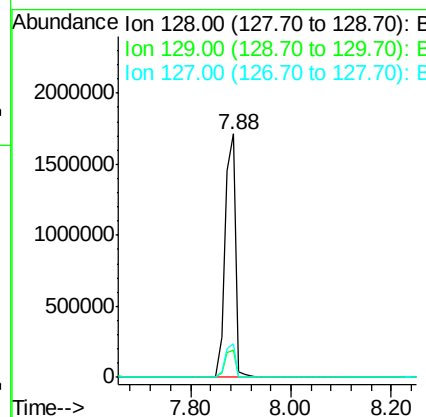
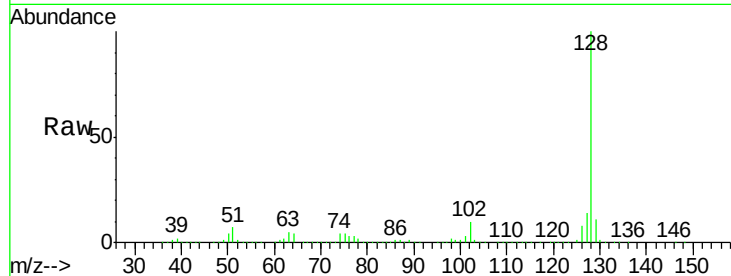




#31
Naphthalene
Concen: 93.99 ng
RT: 7.88 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF087189.D
Acq: 19 May 2016 16:13

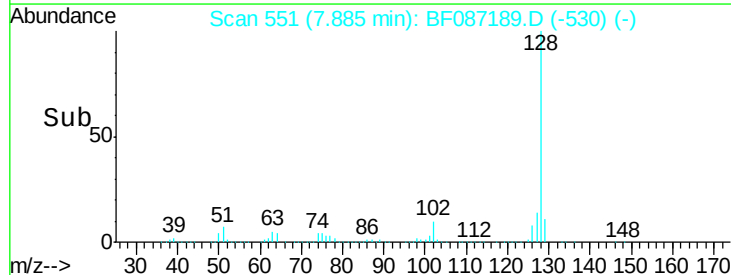
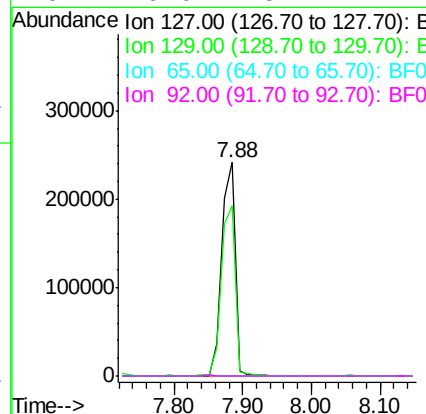
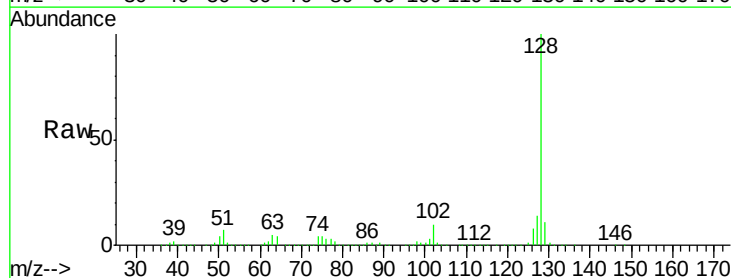
Instrument :
BNA_F
ClientSampleId :
NYSEG-CLARK-ST-ESMI-8

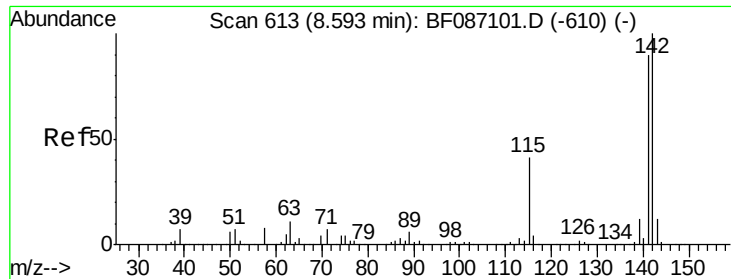
Tgt Ion:128 Resp: 2441802
Ion Ratio Lower Upper
128 100
129 11.2 8.6 13.0
127 14.1 10.8 16.2



#33
4-Chloroaniline
Concen: 31.44 ng
RT: 7.88 min Scan# 551
Delta R.T. -0.06 min
Lab File: BF087189.D
Acq: 19 May 2016 16:13

Tgt Ion:127 Resp: 339464
Ion Ratio Lower Upper
127 100
129 79.8 26.2 39.4#
65 0.0 23.0 34.4#
92 0.0 15.1 22.7#

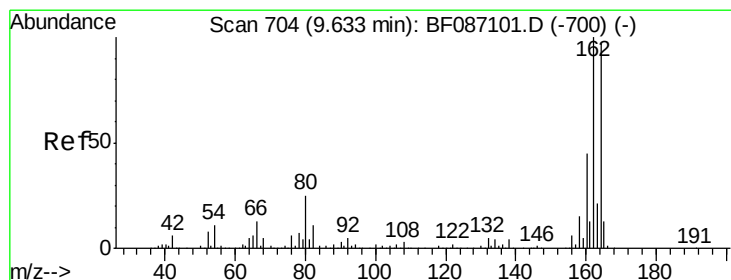
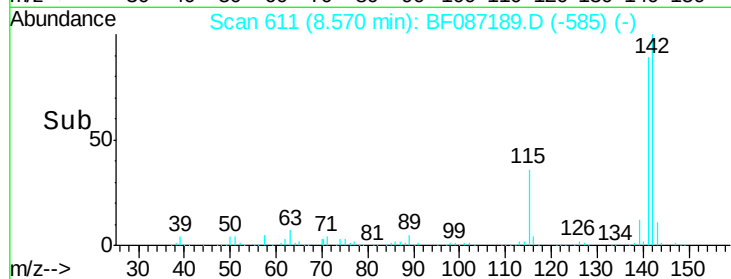
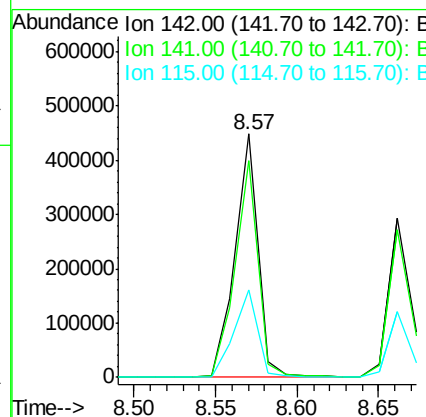
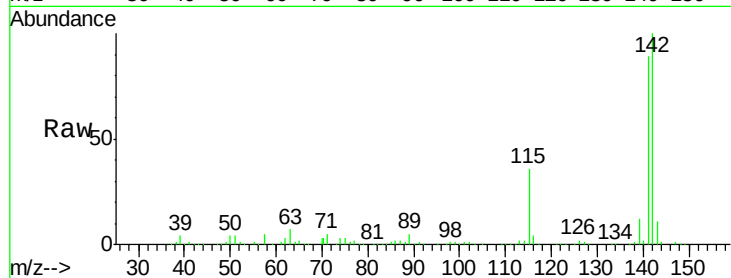




#37
2-Methylnaphthalene
Concen: 26.27 ng
RT: 8.57 min Scan# 611
Delta R.T. -0.00 min
Lab File: BF087189.D
Acq: 19 May 2016 16:13

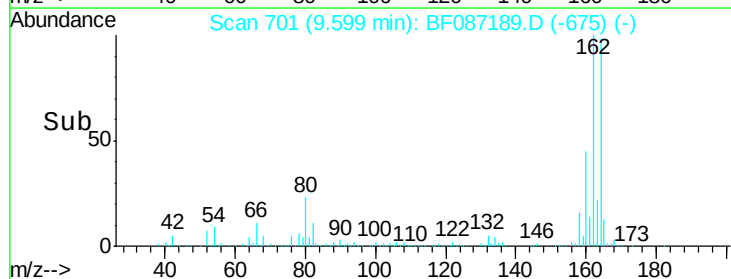
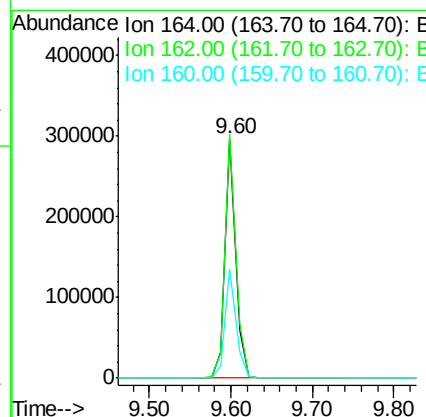
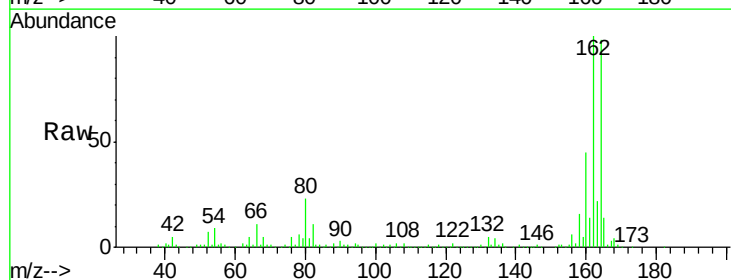
Instrument :
BNA_F
ClientSampleId :
NYSEG-CLARK-ST-ESMI-8

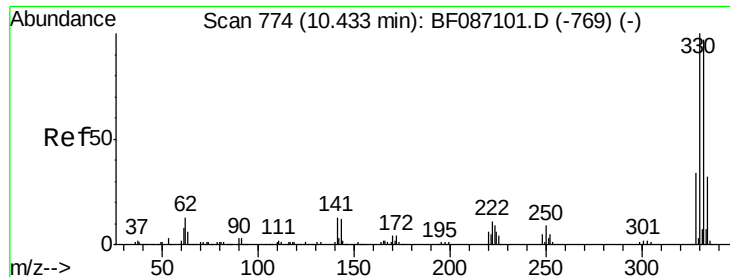
Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.3	71.0	106.6
115	36.1	26.6	39.8



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.60 min Scan# 701
Delta R.T. -0.00 min
Lab File: BF087189.D
Acq: 19 May 2016 16:13

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.9	82.8	124.2
160	45.9	36.9	55.3

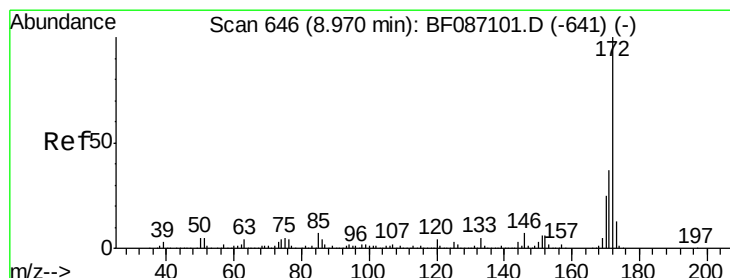
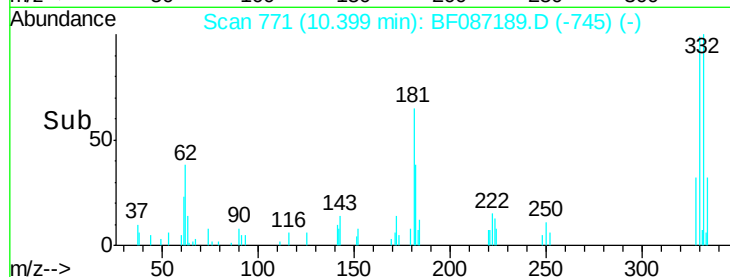
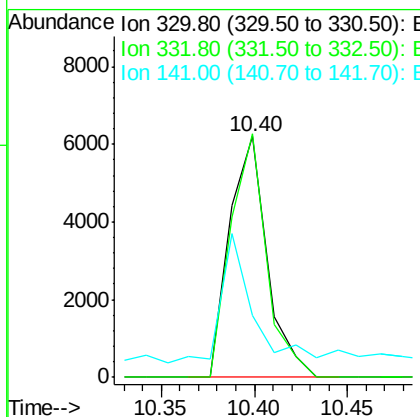
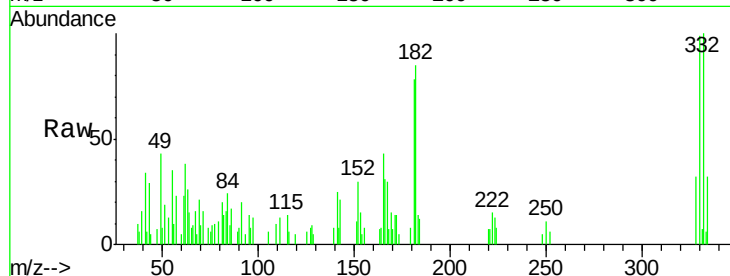




#41
 2,4,6-Tribromophenol
 Concen: 2.91 ng
 RT: 10.40 min Scan# 771
 Delta R.T. -0.00 min
 Lab File: BF087189.D
 Acq: 19 May 2016 16:13

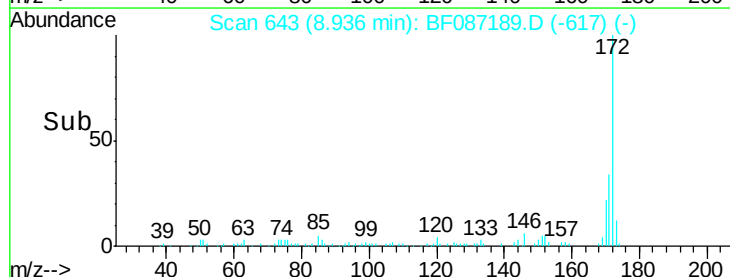
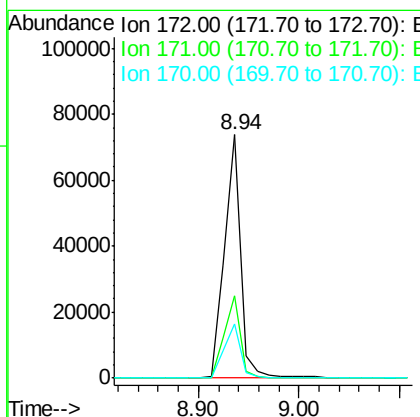
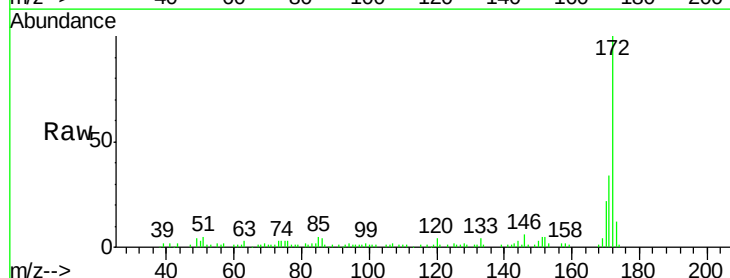
Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-CLARK-ST-ESMI-8

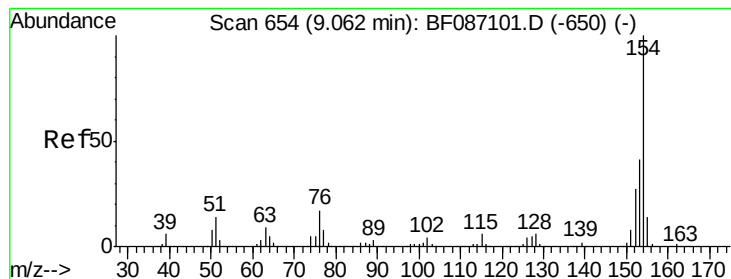
Tgt Ion: 330 Resp: 8712
 Ion Ratio Lower Upper
 330 100
 332 96.8 79.0 118.4
 141 51.3 31.2 46.8#



#44
 2-Fluorobiphenyl
 Concen: 5.03 ng
 RT: 8.94 min Scan# 643
 Delta R.T. -0.00 min
 Lab File: BF087189.D
 Acq: 19 May 2016 16:13

Tgt Ion: 172 Resp: 82357
 Ion Ratio Lower Upper
 172 100
 171 33.6 29.0 43.6
 170 22.3 19.8 29.8





#45

1,1'-Biphenyl

Concen: 7.30 ng

RT: 9.03 min Scan# 651

Delta R.T. -0.01 min

Lab File: BF087189.D

Acq: 19 May 2016 16:13

Instrument :

BNA_F

ClientSampleId :

NYSEG-CLARK-ST-ESMI-8

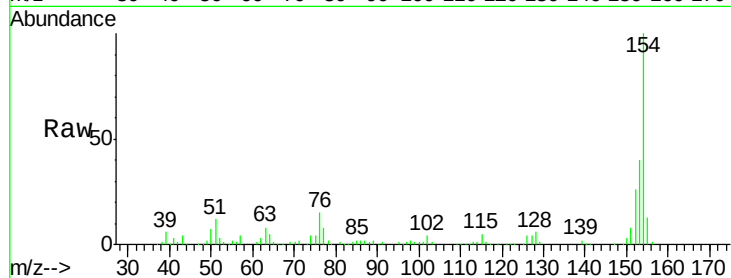
Tgt Ion:154 Resp: 164157

Ion Ratio Lower Upper

154 100

153 39.6 20.3 60.3

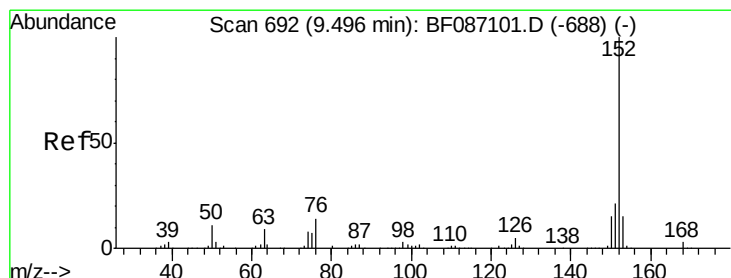
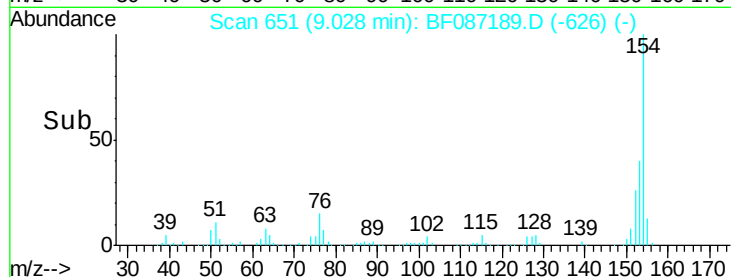
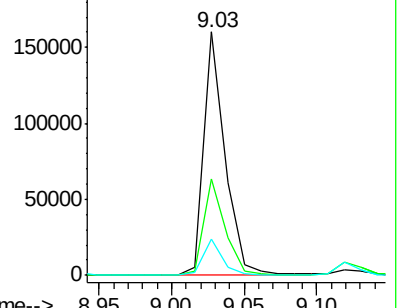
76 15.1 0.0 30.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#48

Acenaphthylene

Concen: 4.47 ng

RT: 9.46 min Scan# 689

Delta R.T. -0.00 min

Lab File: BF087189.D

Acq: 19 May 2016 16:13

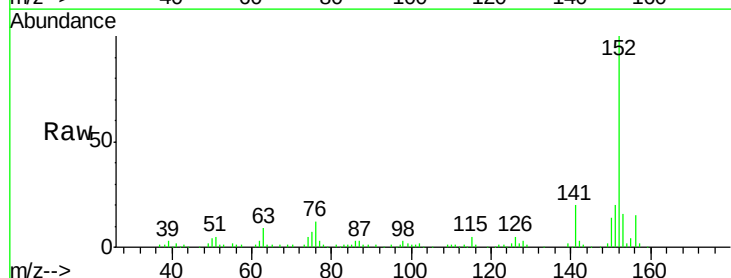
Tgt Ion:152 Resp: 117916

Ion Ratio Lower Upper

152 100

151 20.2 16.8 25.2

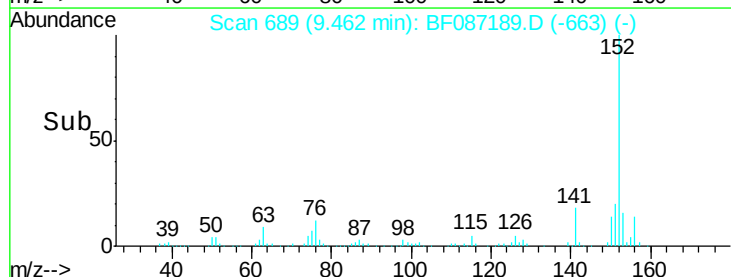
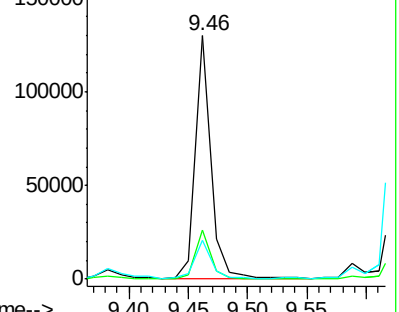
153 15.9 10.9 16.3

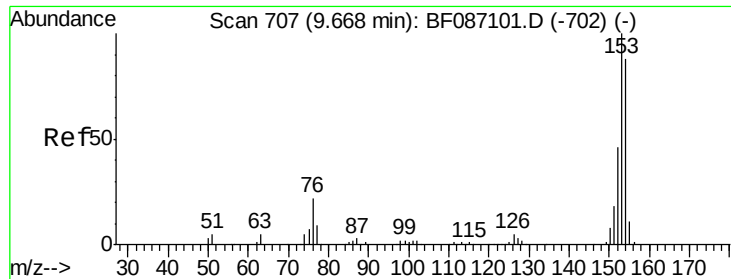


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#51

Acenaphthene

Concen: 30.91 ng

RT: 9.63 min Scan# 704

Delta R.T. -0.00 min

Lab File: BF087189.D

Acq: 19 May 2016 16:13

Instrument :

BNA_F

ClientSampleId :

NYSEG-CLARK-ST-ESMI-8

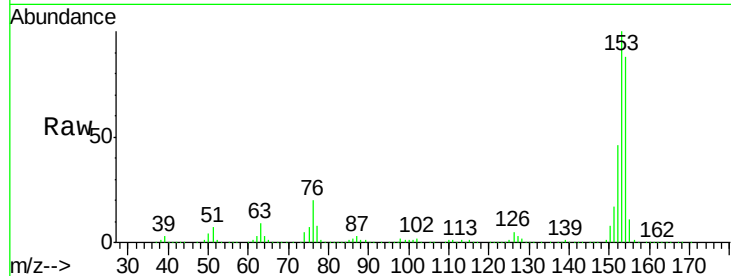
Tgt Ion:154 Resp: 508804

Ion Ratio Lower Upper

154 100

153 114.2 89.8 134.6

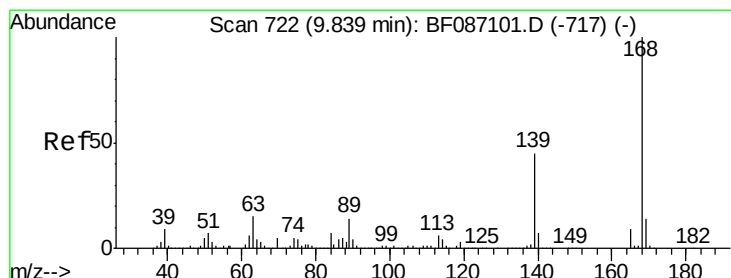
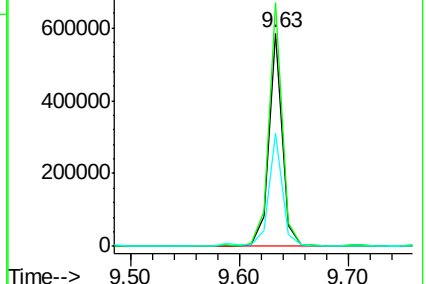
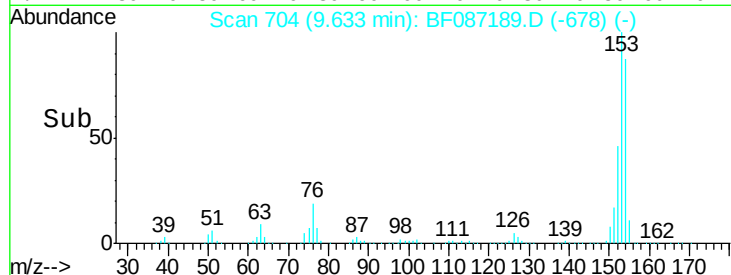
152 52.8 43.4 65.0



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



#54

Dibenzofuran

Concen: 2.17 ng

RT: 9.80 min Scan# 719

Delta R.T. -0.01 min

Lab File: BF087189.D

Acq: 19 May 2016 16:13

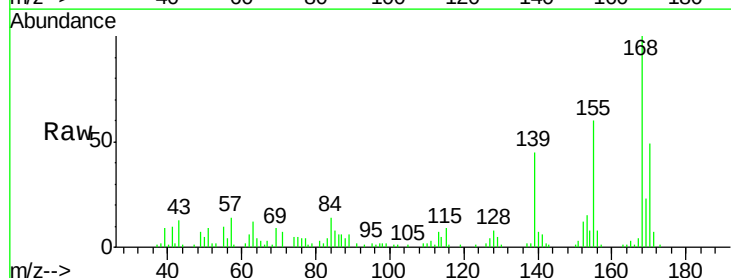
Tgt Ion:168 Resp: 46210

Ion Ratio Lower Upper

168 100

139 45.2 31.4 47.0

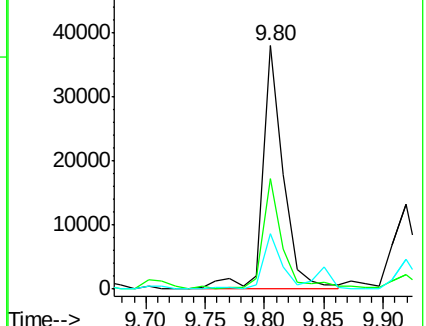
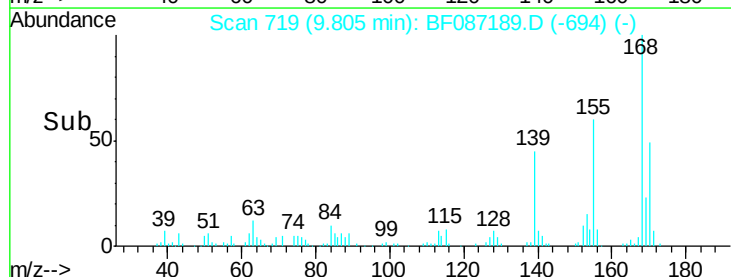
169 22.6 10.7 16.1#

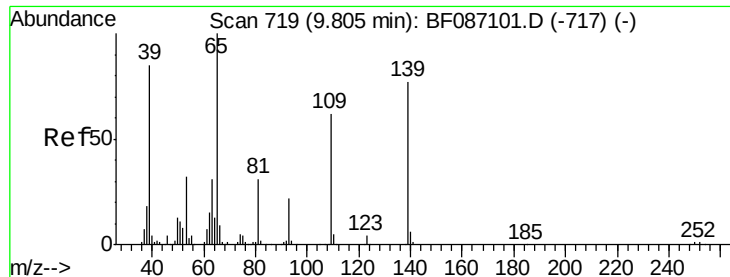


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 13.44 ng

RT: 9.80 min Scan# 719

Delta R.T. 0.02 min

Lab File: BF087189.D

Acq: 19 May 2016 16:13

Instrument :

BNA_F

ClientSampleId :

NYSEG-CLARK-ST-ESMI-8

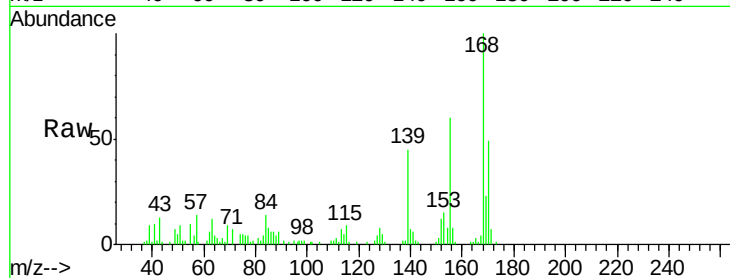
Tgt Ion:139 Resp: 20697

Ion Ratio Lower Upper

139 100

109 4.0 36.9 76.9#

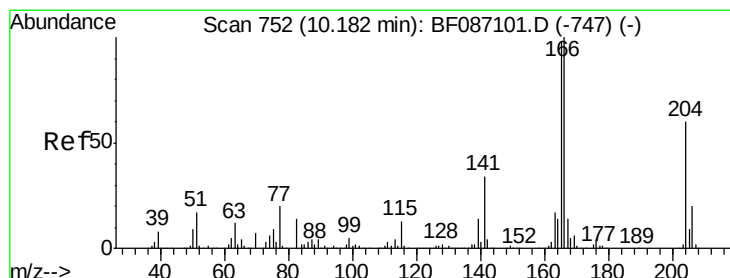
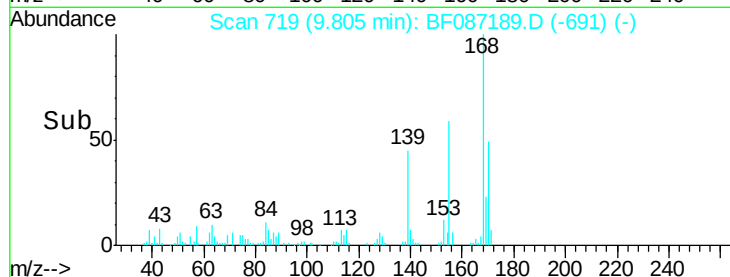
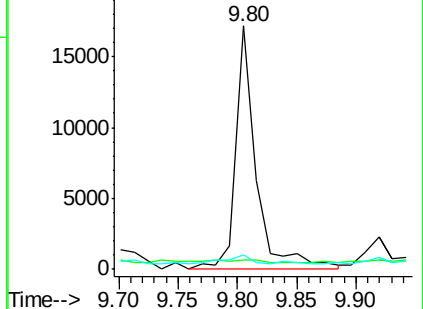
65 5.8 64.0 104.0#



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): BF0



#57

Fluorene

Concen: 19.39 ng

RT: 10.15 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF087189.D

Acq: 19 May 2016 16:13

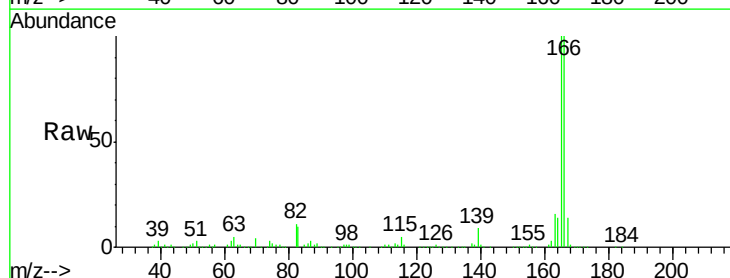
Tgt Ion:166 Resp: 331638

Ion Ratio Lower Upper

166 100

165 99.5 79.0 118.6

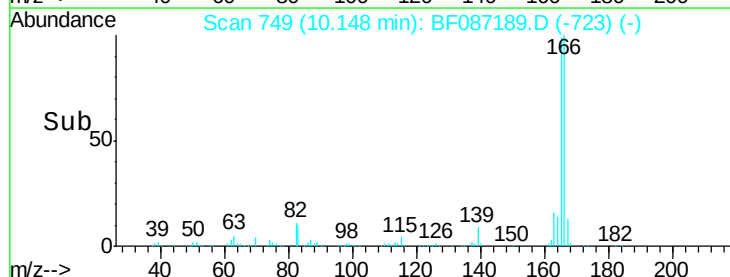
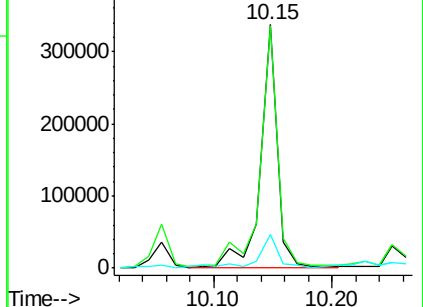
167 13.6 10.6 15.8

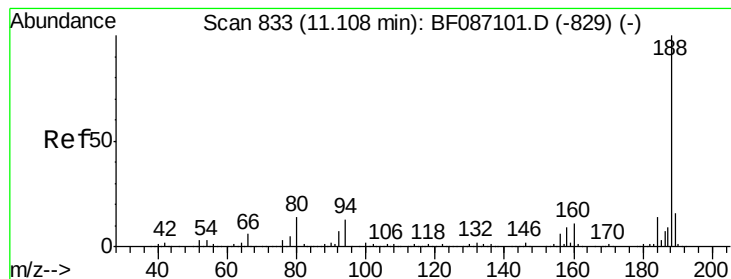


Abundance Ion 166.00 (165.70 to 166.70): E

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: 11.08 min Scan# 831

Delta R.T. -0.00 min

Lab File: BF087189.D

Acq: 19 May 2016 16:13

Instrument :

BNA_F

ClientSampleId :

NYSEG-CLARK-ST-ESMI-8

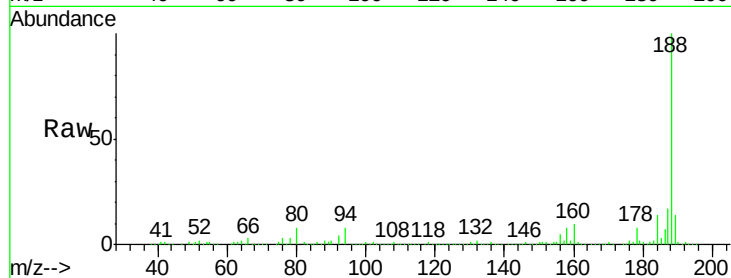
Tgt Ion:188 Resp: 506415

Ion Ratio Lower Upper

188 100

94 7.5 6.8 10.2

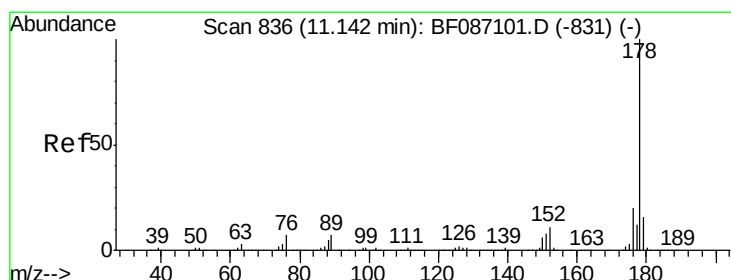
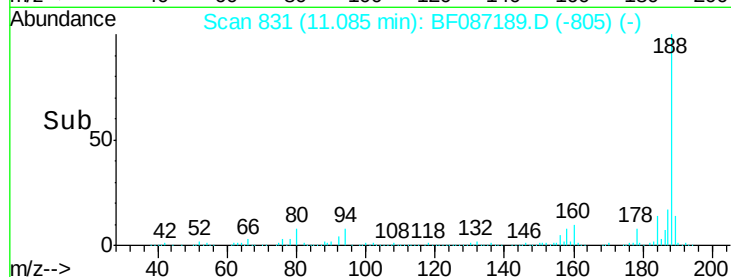
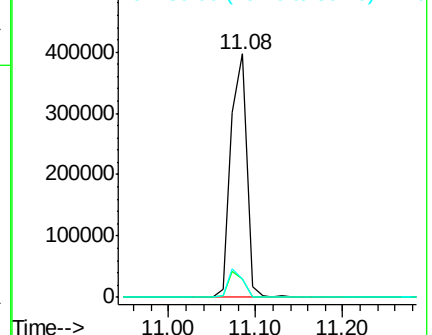
80 7.7 7.1 10.7



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 57.87 ng

RT: 11.11 min Scan# 833

Delta R.T. -0.00 min

Lab File: BF087189.D

Acq: 19 May 2016 16:13

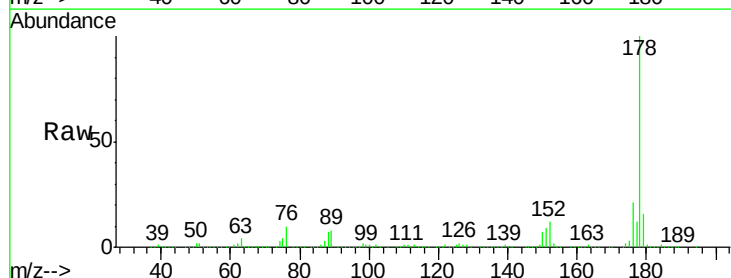
Tgt Ion:178 Resp: 1589538

Ion Ratio Lower Upper

178 100

176 20.7 16.0 24.0

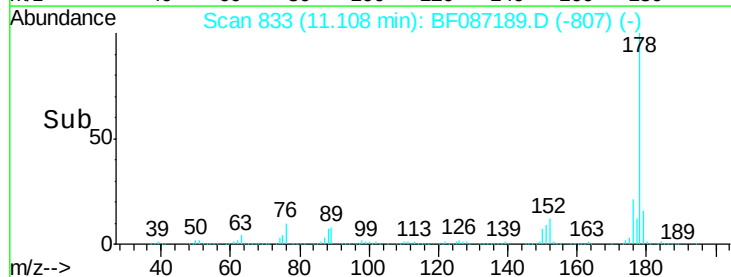
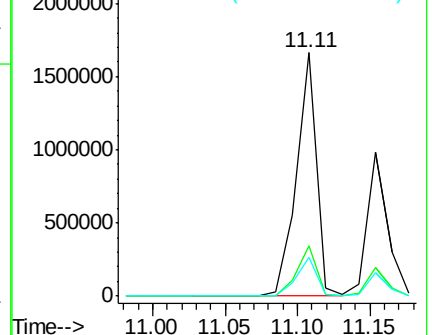
179 16.0 12.6 18.8

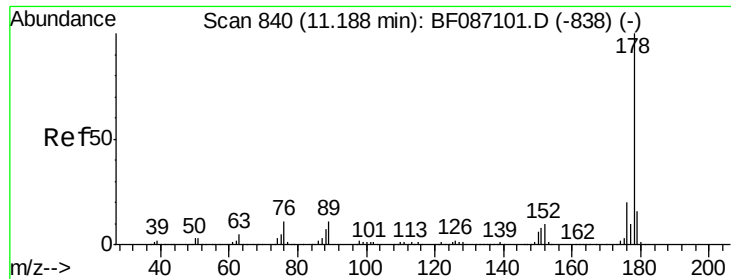


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

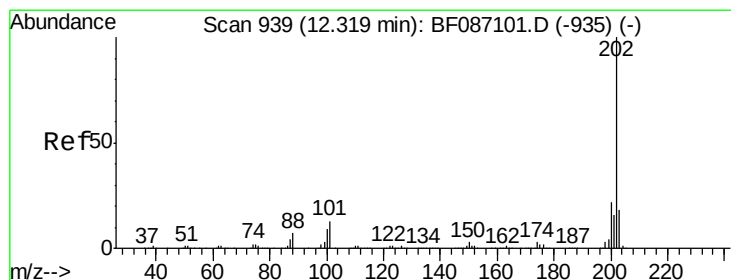
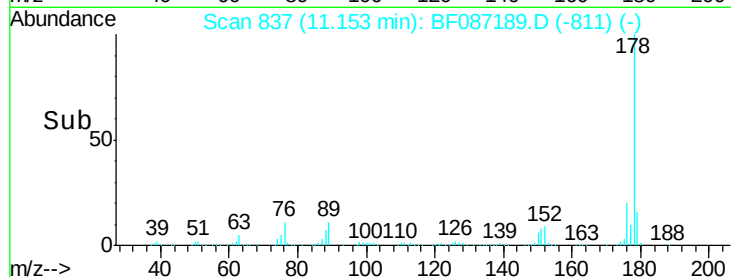
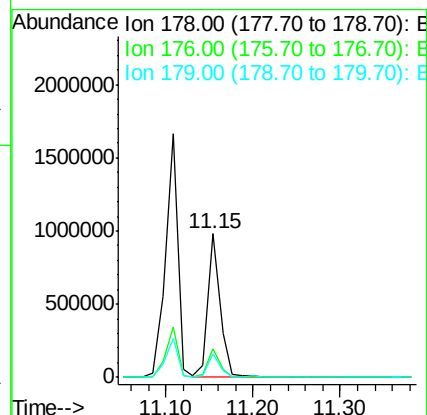
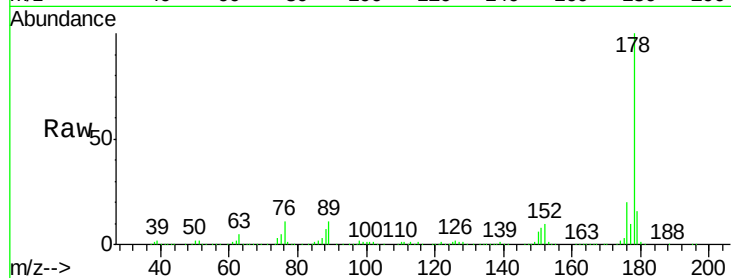




#71
 Anthracene
 Concen: 34.93 ng
 RT: 11.15 min Scan# 837
 Delta R.T. -0.00 min
 Lab File: BF087189.D
 Acq: 19 May 2016 16:13

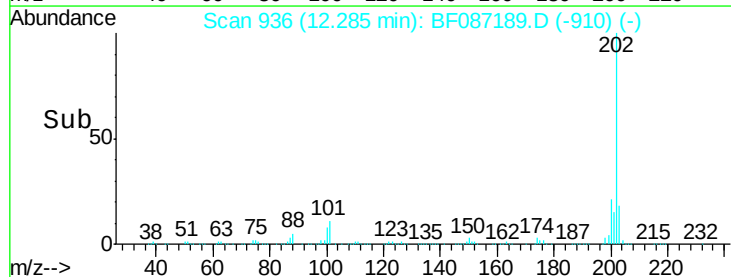
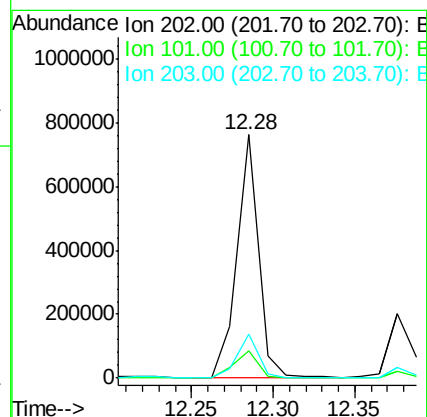
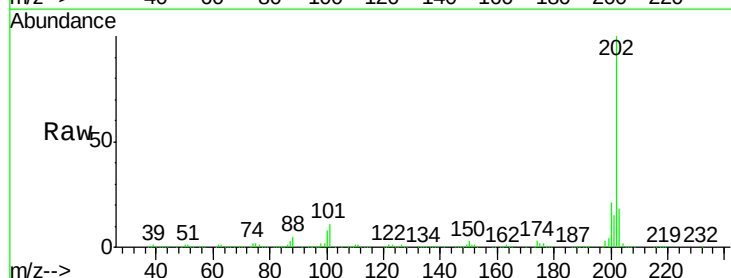
Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-CLARK-ST-ESMI-8

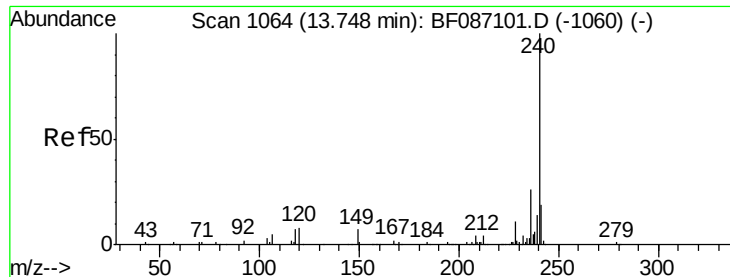
Tgt Ion:178 Resp: 970359
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.6 23.4
 179 16.1 12.7 19.1



#74
 Fluoranthene
 Concen: 24.90 ng
 RT: 12.28 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: BF087189.D
 Acq: 19 May 2016 16:13

Tgt Ion:202 Resp: 685205
 Ion Ratio Lower Upper
 202 100
 101 11.0 0.0 35.4
 203 17.8 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.70 min Scan# 1060

Delta R.T. -0.01 min

Lab File: BF087189.D

Acq: 19 May 2016 16:13

Instrument :

BNA_F

ClientSampleId :

NYSEG-CLARK-ST-ESMI-8

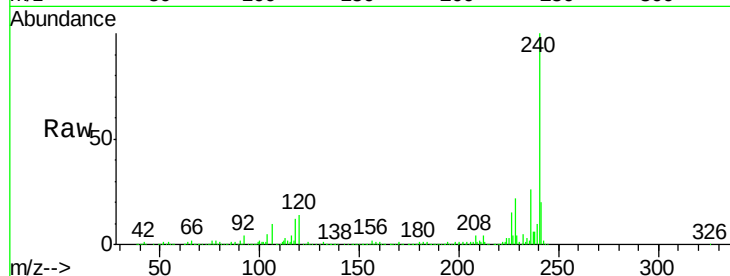
Tgt Ion:240 Resp: 384356

Ion Ratio Lower Upper

240 100

120 13.5 11.2 16.8

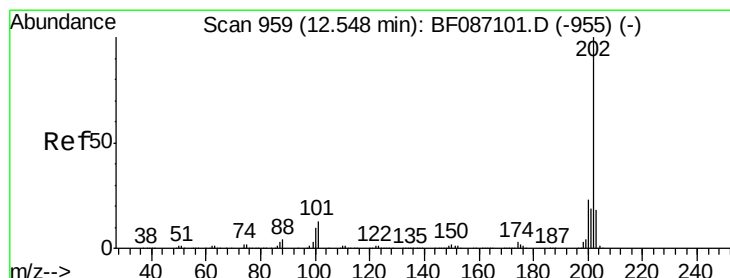
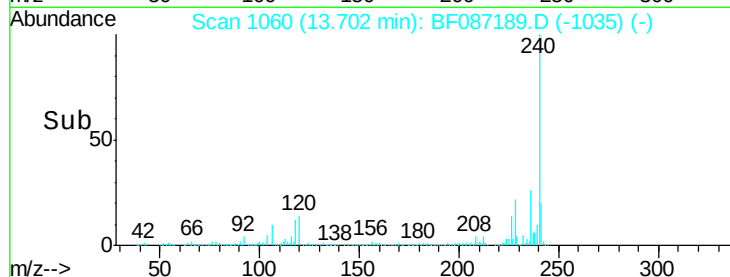
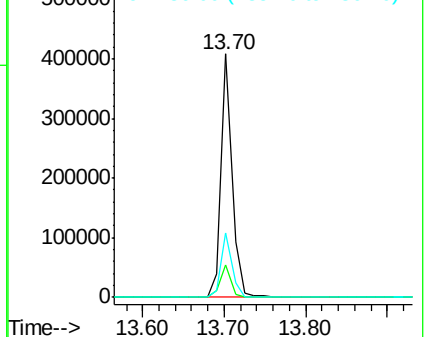
236 26.3 21.2 31.8



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: 35.58 ng

RT: 12.51 min Scan# 956

Delta R.T. -0.00 min

Lab File: BF087189.D

Acq: 19 May 2016 16:13

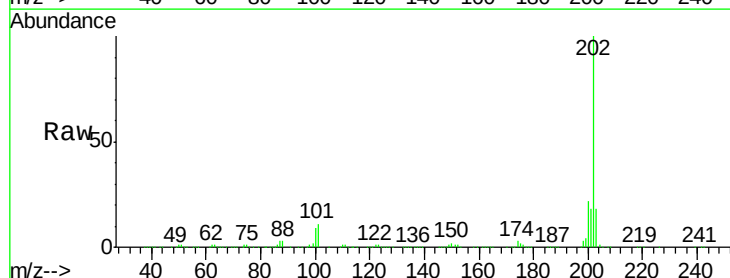
Tgt Ion:202 Resp: 987874

Ion Ratio Lower Upper

202 100

200 21.8 17.7 26.5

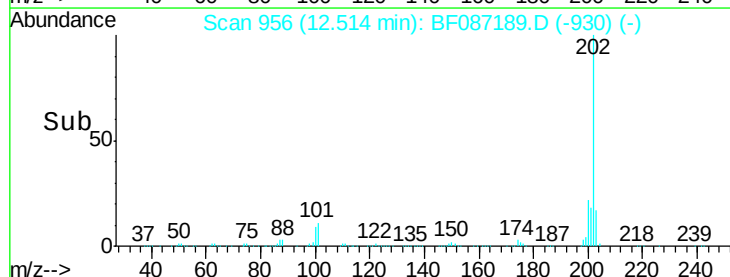
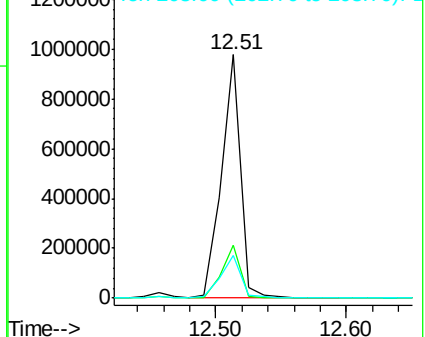
203 17.5 14.2 21.4

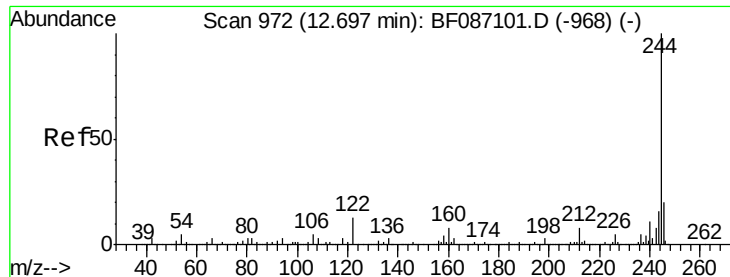


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

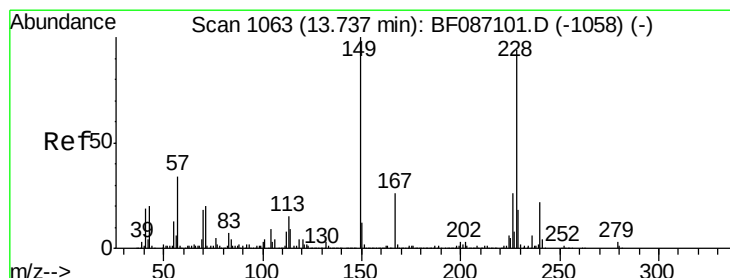
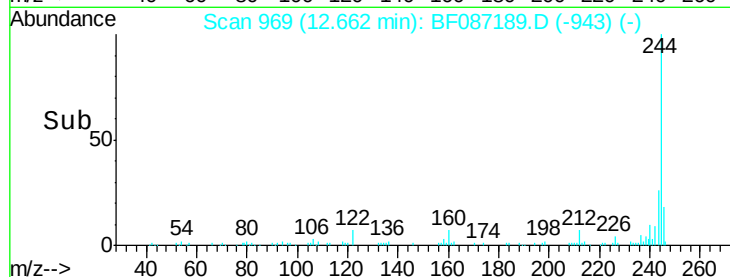
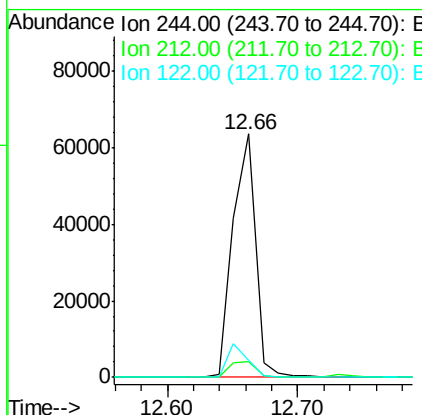
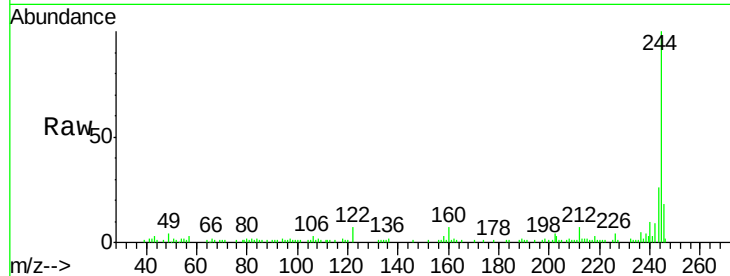




#78
 Terphenyl-d14
 Concen: 4.51 ng
 RT: 12.66 min Scan# 969
 Delta R.T. -0.00 min
 Lab File: BF087189.D
 Acq: 19 May 2016 16:13

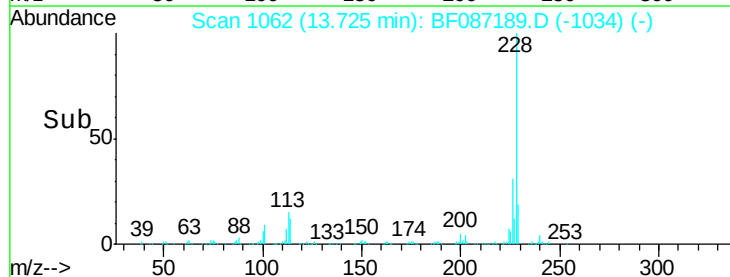
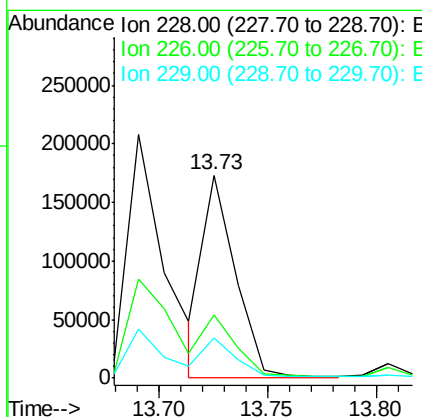
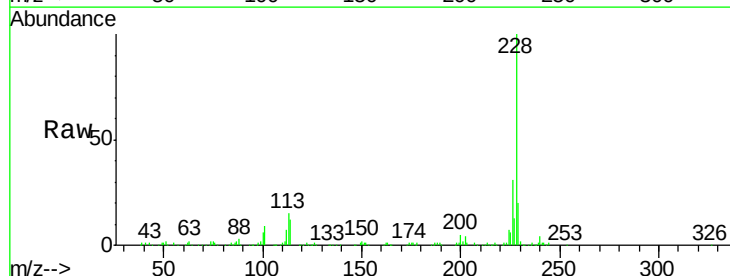
Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-CLARK-ST-ESMI-8

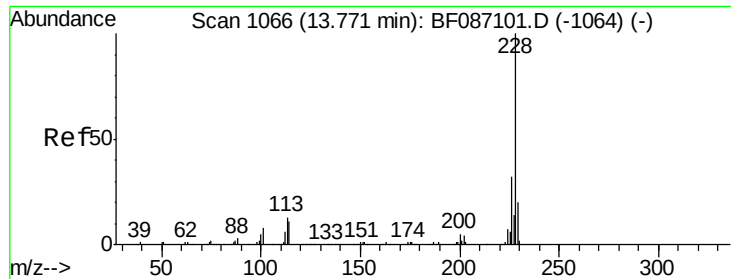
Tgt Ion:244 Resp: 76626
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.2 9.2
 122 7.2 12.0 18.0#



#80
 Benzo(a)anthracene
 Concen: 8.07 ng
 RT: 13.73 min Scan# 1062
 Delta R.T. 0.02 min
 Lab File: BF087189.D
 Acq: 19 May 2016 16:13

Tgt Ion:228 Resp: 179373
 Ion Ratio Lower Upper
 228 100
 226 31.3 22.5 33.7
 229 19.9 16.6 25.0

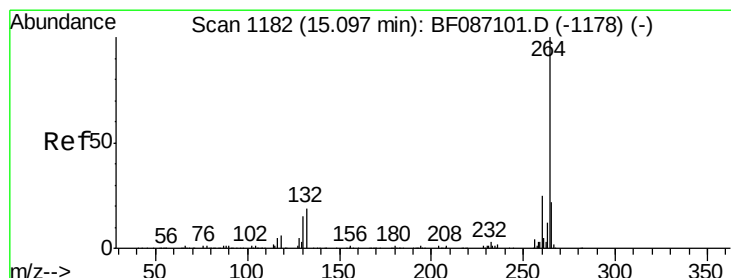
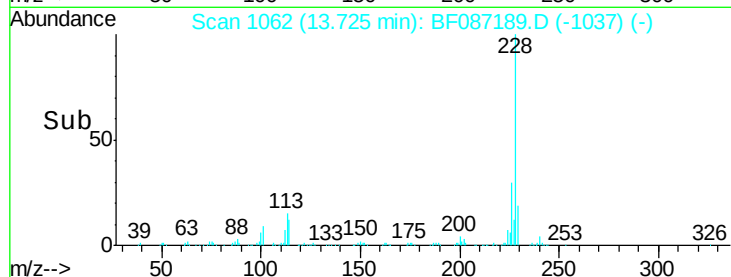
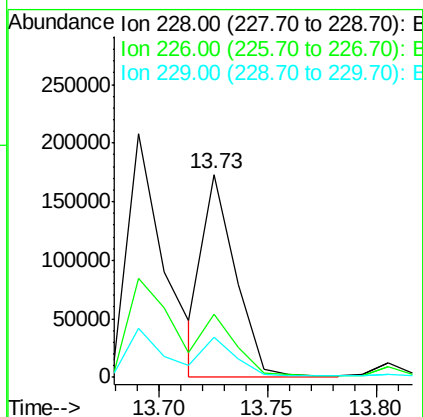
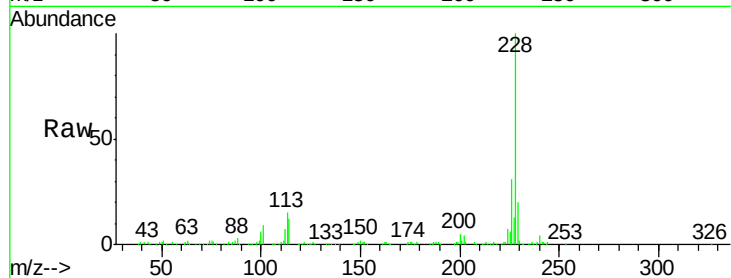




#82
Chrysene
Concen: 8.35 ng
RT: 13.73 min Scan# 1062
Delta R.T. -0.01 min
Lab File: BF087189.D
Acq: 19 May 2016 16:13

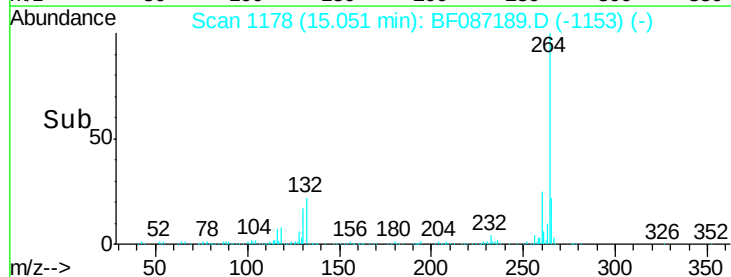
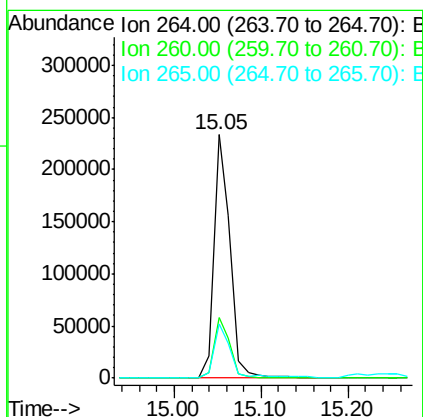
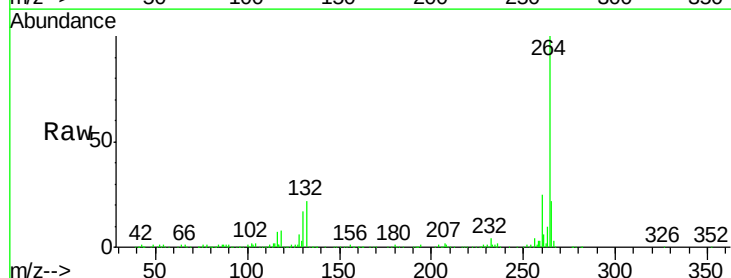
Instrument :
BNA_F
ClientSampleId :
NYSEG-CLARK-ST-ESMI-8

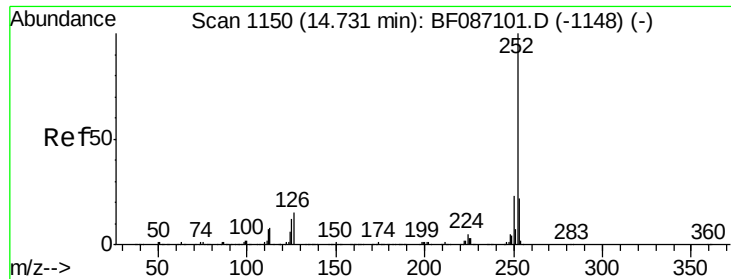
Tgt Ion: 228 Resp: 179612
Ion Ratio Lower Upper
228 100
226 31.3 24.4 36.6
229 19.9 15.8 23.8



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.05 min Scan# 1178
Delta R.T. -0.01 min
Lab File: BF087189.D
Acq: 19 May 2016 16:13

Tgt Ion: 264 Resp: 302886
Ion Ratio Lower Upper
264 100
260 24.7 19.5 29.3
265 22.5 17.3 25.9





#87

Benzo(b)fluoranthene

Concen: 8.76 ng

RT: 14.70 min Scan# 1147

Delta R.T. -0.00 min

Lab File: BF087189.D

Acq: 19 May 2016 16:13

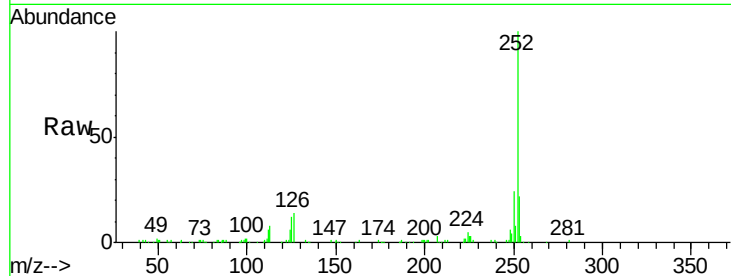
Instrument :

BNA_F

ClientSampleId :

NYSEG-CLARK-ST-ESMI-8

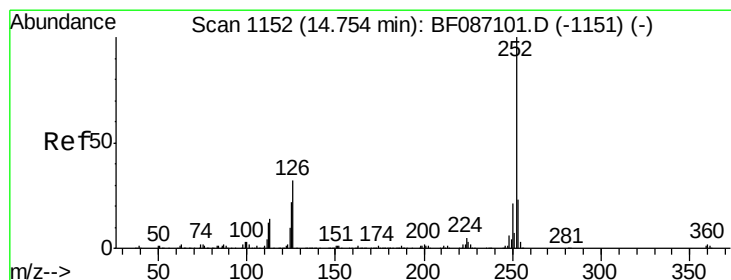
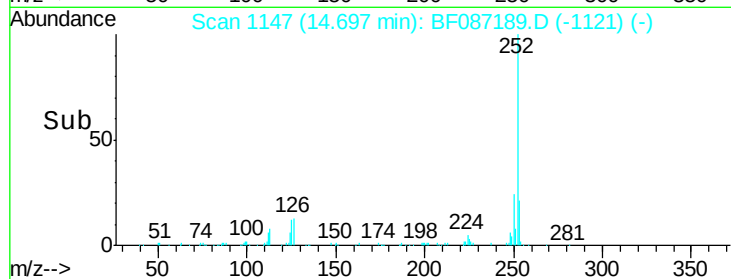
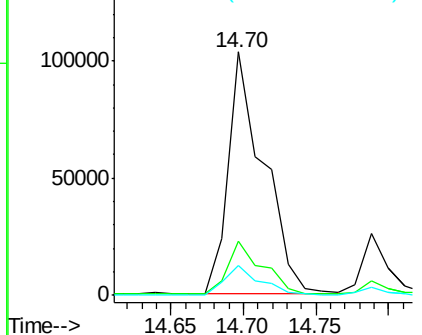
Tgt Ion:	252	Resp:	175982
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.8	26.6
125	12.1	11.4	17.0



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: 11.76 ng

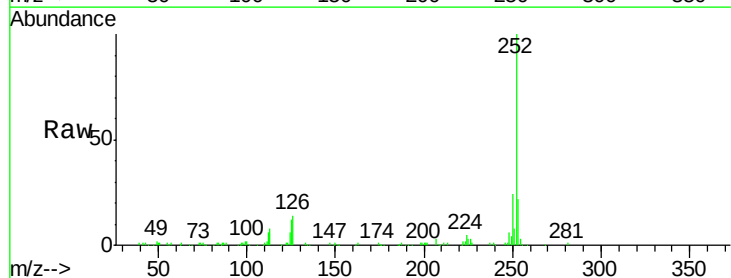
RT: 14.70 min Scan# 1147

Delta R.T. -0.02 min

Lab File: BF087189.D

Acq: 19 May 2016 16:13

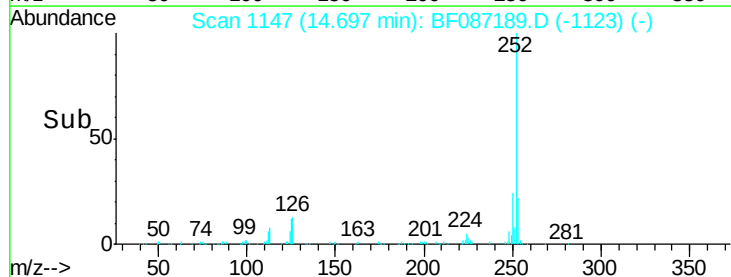
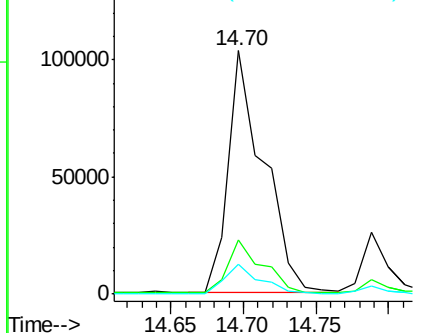
Tgt Ion:	252	Resp:	175982
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.8	26.6
125	12.1	9.1	13.7

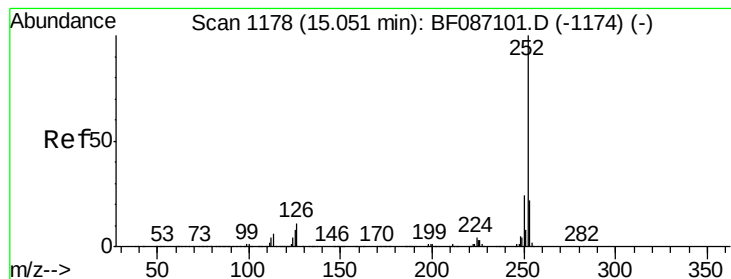


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 9.17 ng

RT: 15.01 min Scan# 1174

Delta R.T. -0.00 min

Lab File: BF087189.D

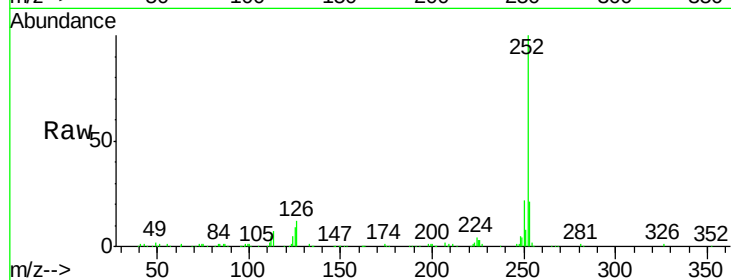
Acq: 19 May 2016 16:13

Instrument :

BNA_F

ClientSampleId :

NYSEG-CLARK-ST-ESMI-8



Tgt Ion:	252	Resp:	154057
Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.2	25.8
125	9.1	9.0	13.6

