

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092518\
 Data File : BF109287.D
 Acq On : 25 Sep 2018 15:59
 Operator : JU/SJ
 Sample : J5042-03 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-CLRK-PH4-A14-B2

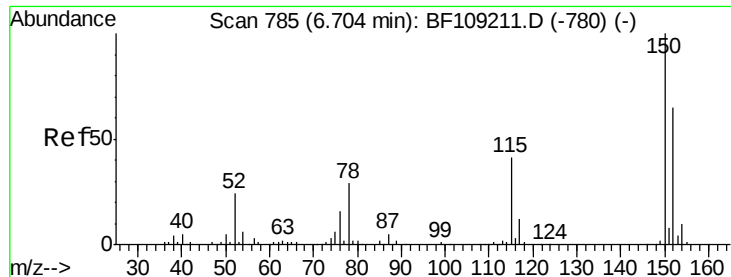
Quant Time: Sep 25 17:36:24 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	117295	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	469056	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	225085	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	391760	20.00	ng	0.00
75) Chrysene-d12	13.84	240	296464	20.00	ng	0.00
86) Perylene-d12	15.25	264	289755	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	199601	28.03	ng	0.00
7) Phenol-d6	6.34	99	258758	28.48	ng	-0.02
23) Nitrobenzene-d5	7.26	82	157951	19.88	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	58705	26.46	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	316190	21.19	ng	-0.01
78) Terphenyl-d14	12.80	244	245370	20.31	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	20999	3.527	ng	# 79
25) Isophorone	7.26	82	127329	8.899	ng	# 64
28) bis(2-Chloroethoxy)methane	8.01	93	20431	2.157	ng	# 58
32) Benzoic acid	8.01	122	3428	7.491	ng	# 28
49) Dimethylphthalate	9.46	163	85694	5.234	ng	99
50) 2,6-Dinitrotoluene	9.74	165	28879	8.907	ng	# 25
56) 2,4-Dinitrotoluene	9.74	165	28879	7.039	ng	# 23
68) Atrazine	11.03	200	16644	4.181	ng	# 37
70) Phenanthrene	11.24	178	218157	11.153	ng	99
71) Anthracene	11.29	178	58656	2.957	ng	99
74) Fluoranthene	12.43	202	338204	16.179	ng	93
77) Pyrene	12.65	202	327537	15.416	ng	99
80) Benzo(a)anthracene	13.87	228	132069	7.396	ng	97
82) Chrysene	13.87	228	132069	7.462	ng	97
85) Indeno(1,2,3-cd)pyrene	16.60	276	59775	4.167	ng	# 88
87) Benzo(b)fluoranthene	14.85	252	201744	12.671	ng	98
88) Benzo(k)fluoranthene	14.85	252	201744	13.353	ng	98
89) Benzo(a)pyrene	15.19	252	118770	8.278	ng	99
91) Benzo(a,h,i)perylene	17.00	276	54440	4.706	ng	93

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

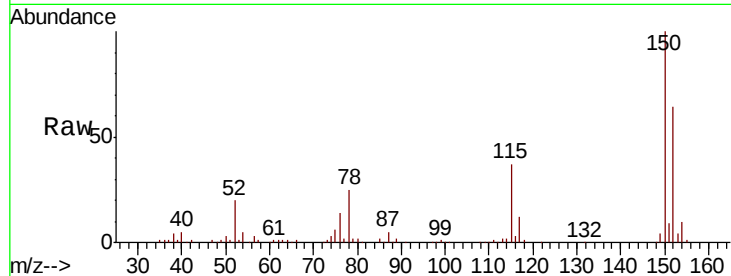


#1

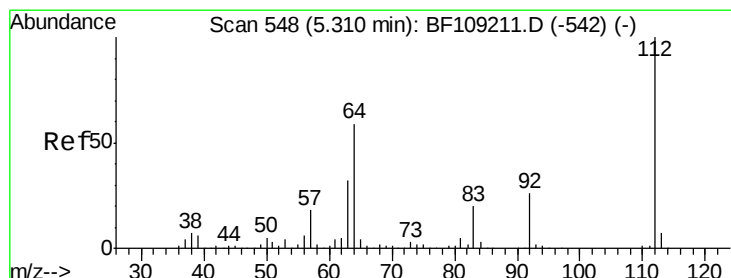
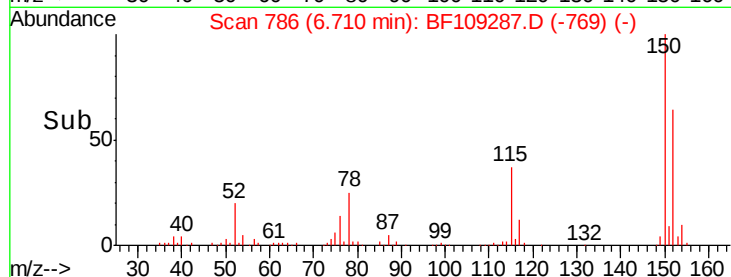
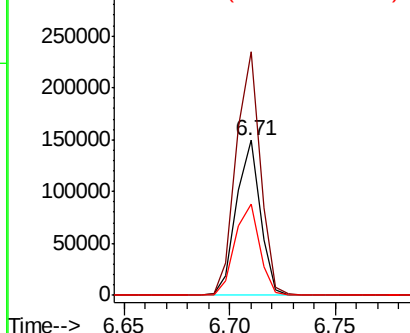
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF109287.D
Acq: 25 Sep 2018 15:59

Instrument :
BNA_F
ClientSampleId :
NYSEG-CLRK-PH4-A14-B2

Tot Ion:152 Resp: 117295
Ion Ratio Lower Upper
152 100
150 157.1 124.6 186.8
115 58.7 50.1 75.1



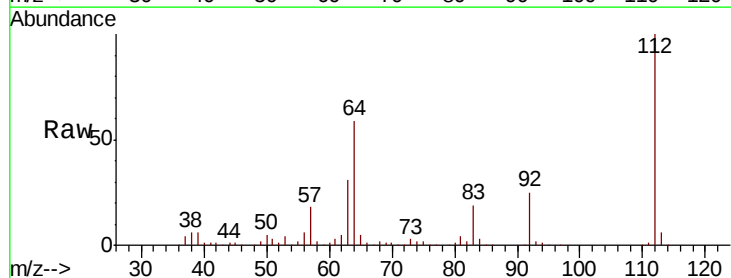
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



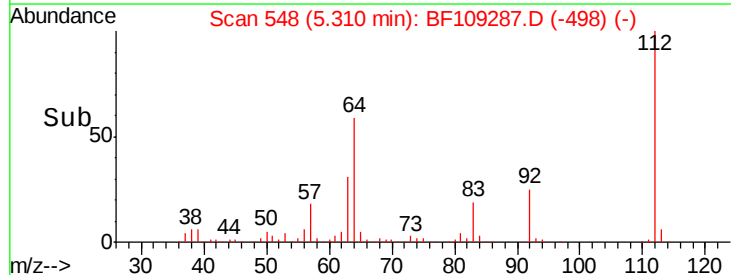
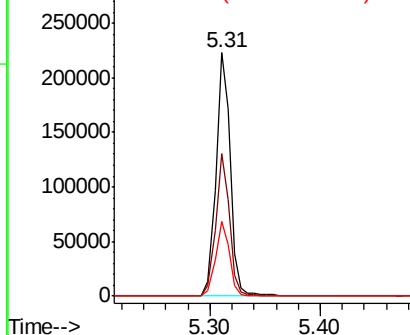
#5

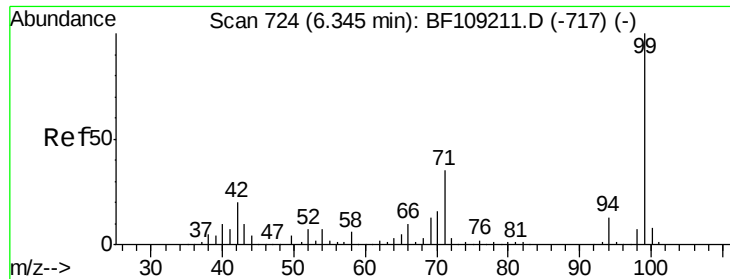
2-Fluorophenol
Concen: 28.028 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF109287.D
Acq: 25 Sep 2018 15:59

Tgt Ion:112 Resp: 199601
Ion Ratio Lower Upper
112 100
64 58.6 47.9 71.9
63 30.7 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 28.475 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109287.D

Acq: 25 Sep 2018 15:59

Instrument :

BNA_F

ClientSampleId :

NYSEG-CLRK-PH4-A14-B2

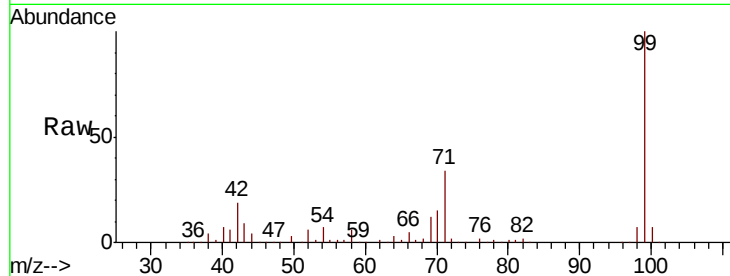
Tot Ion: 99 Resp: 258758

Ion Ratio Lower Upper

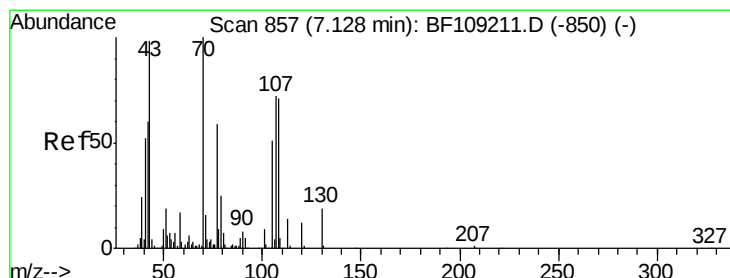
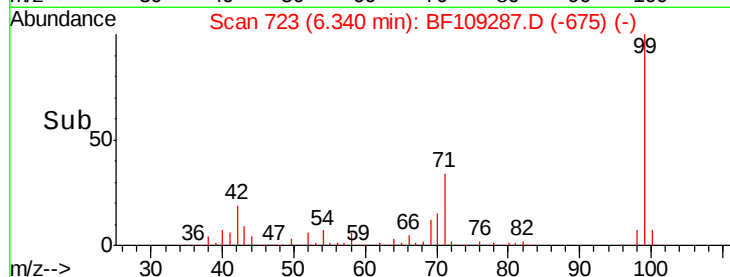
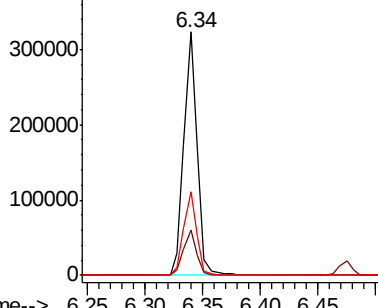
99 100

42 18.8 14.5 21.7

71 34.5 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 3.527 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.12 min

Lab File: BF109287.D

Acq: 25 Sep 2018 15:59

Tgt Ion: 70 Resp: 20999

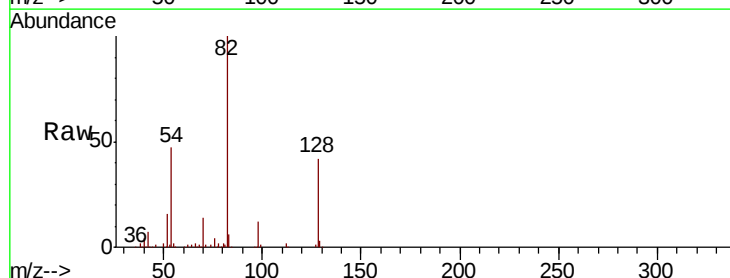
Ion Ratio Lower Upper

70 100

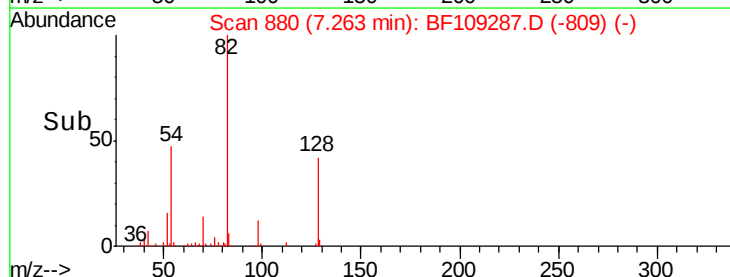
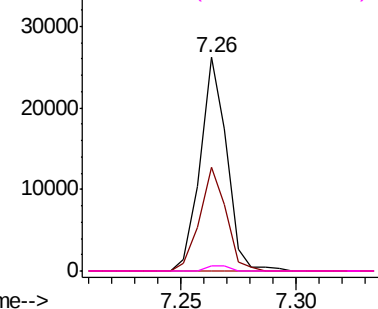
42 48.7 47.5 71.3

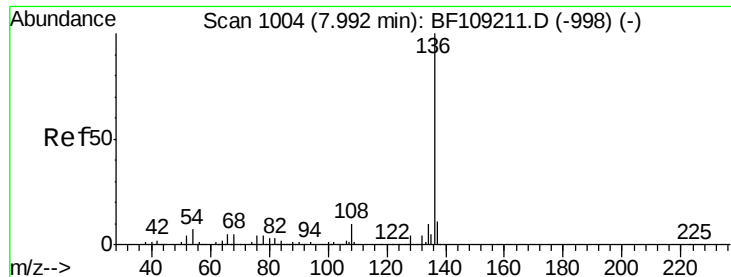
101 0.0 7.4 11.2#

130 2.1 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

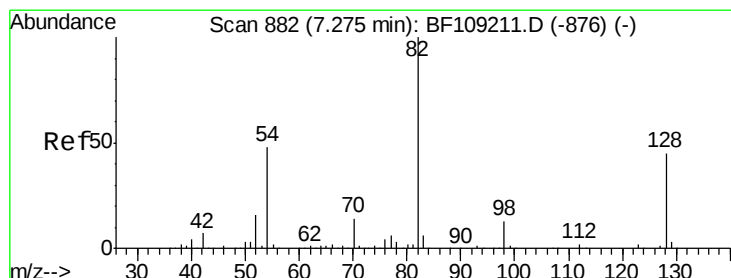
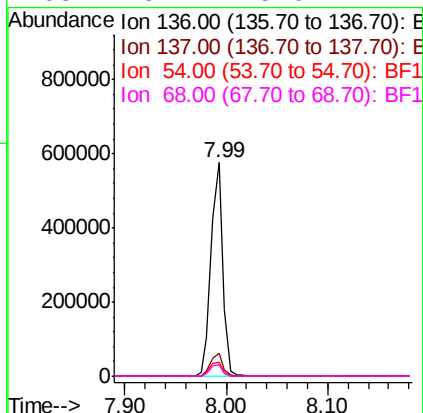
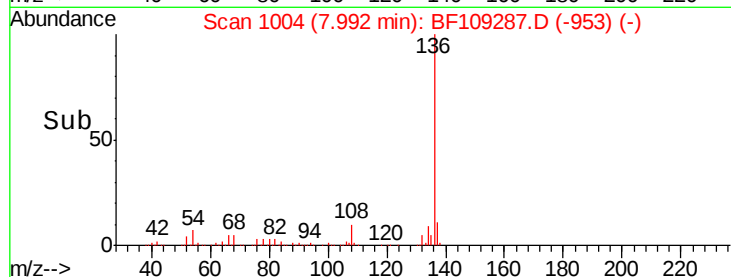
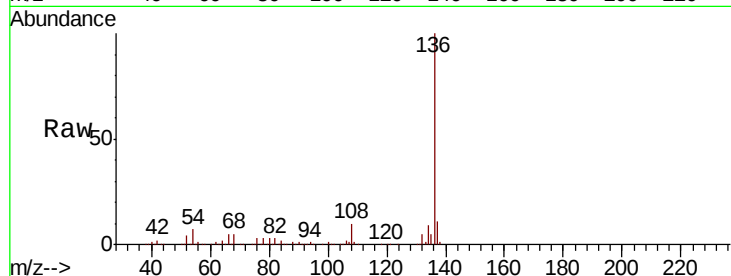




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1004
Delta R.T. 0.00 min
Lab File: BF109287.D
Acq: 25 Sep 2018 15:59

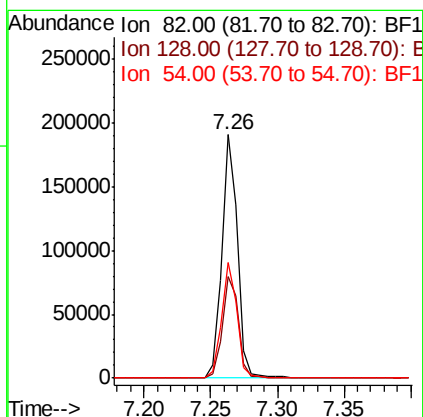
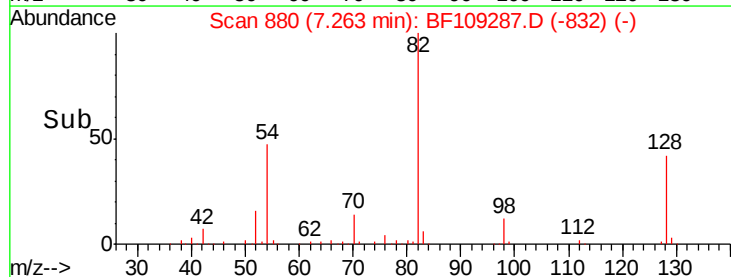
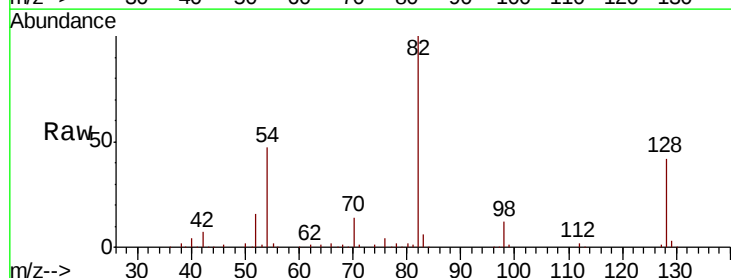
Instrument :
BNA_F
ClientSampleId :
NYSEG-CLRK-PH4-A14-B2

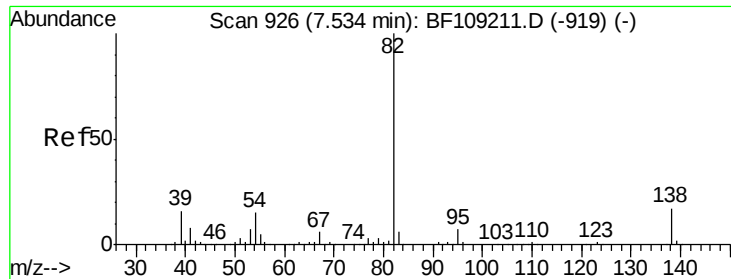
Tot Ion:136	Resp:	469056
Ion Ratio	Lower	Upper
136 100		
137 10.7	8.9	13.3
54 6.8	6.6	9.8
68 5.1	5.0	7.4



#23
Nitrobenzene-d5
Concen: 19.878 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF109287.D
Acq: 25 Sep 2018 15:59

Tgt Ion: 82	Resp: 157951
Ion Ratio	Lower Upper
82 100	
128 41.6	36.1 54.1
54 47.4	41.4 62.2





#25

Isophorone

Concen: 8.899 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF109287.D

Acq: 25 Sep 2018 15:59

Instrument :

BNA_F

ClientSampleId :

NYSEG-CLRK-PH4-A14-B2

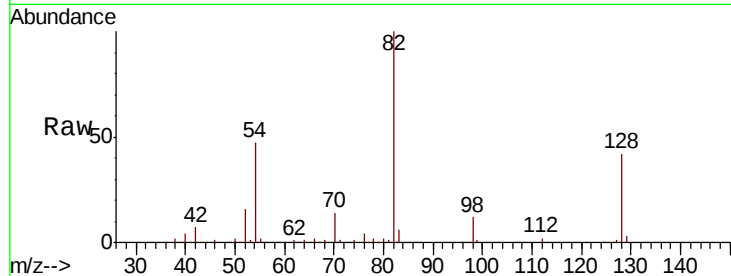
Tot Ion: 82 Resp: 127329

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

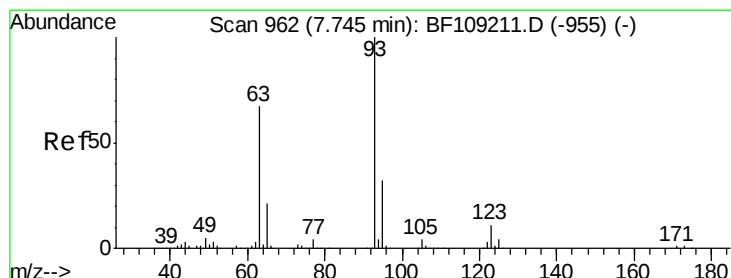
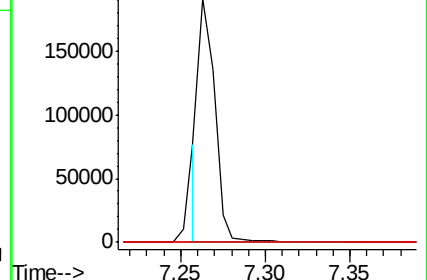
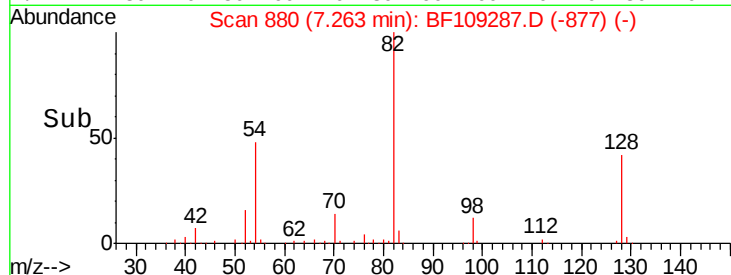
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#28

bis(2-Chloroethoxy)methane

Concen: 2.157 ng

RT: 8.01 min Scan# 1007

Delta R.T. 0.26 min

Lab File: BF109287.D

Acq: 25 Sep 2018 15:59

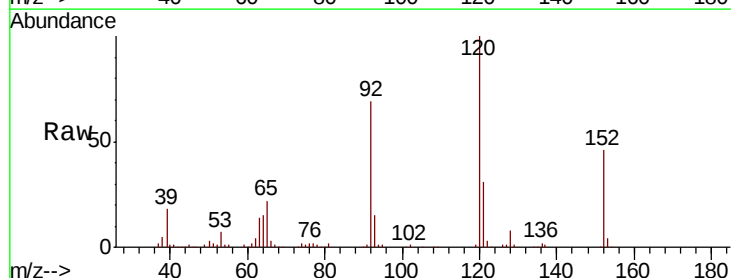
Tgt Ion: 93 Resp: 20431

Ion Ratio Lower Upper

93 100

95 5.3 26.3 39.5#

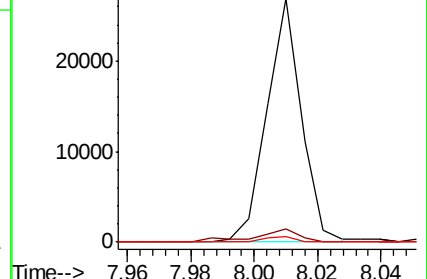
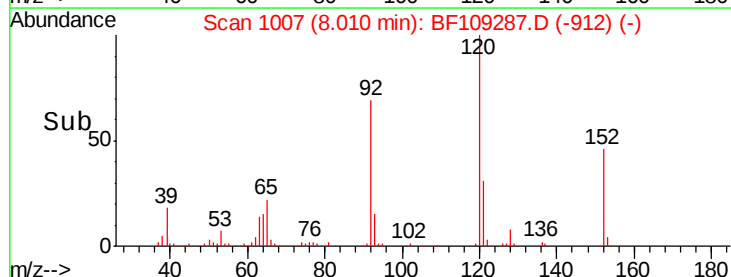
123 2.3 9.8 14.6#

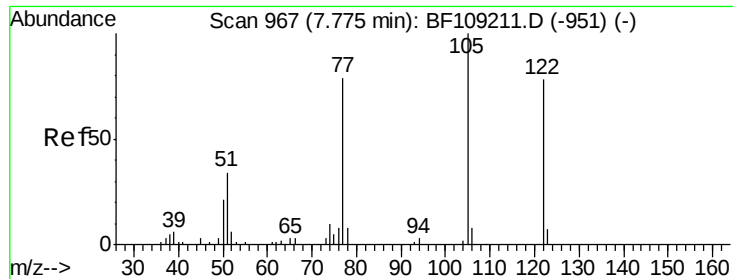


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

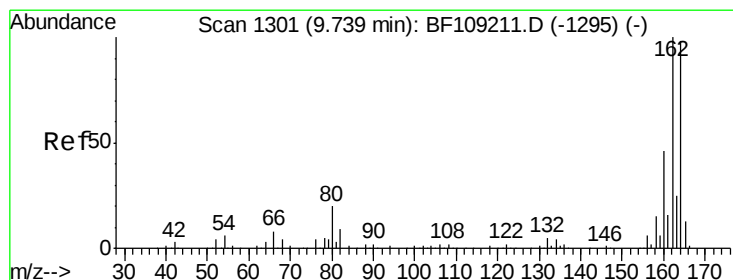
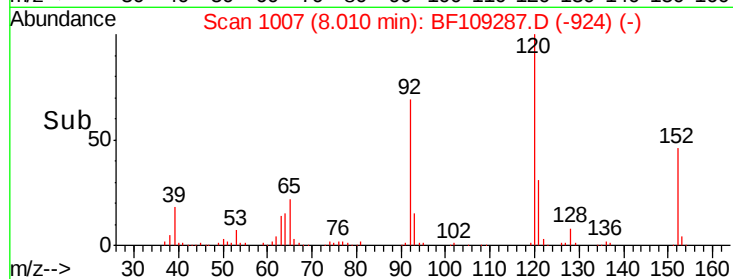
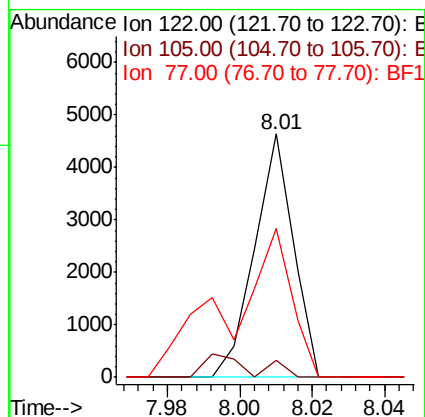
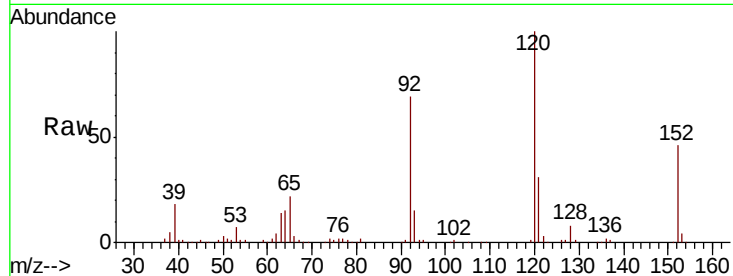




#32
Benzoic acid
Concen: 7.491 ng
RT: 8.01 min Scan# 1007
Delta R.T. 0.19 min
Lab File: BF109287.D
Acq: 25 Sep 2018 15:59

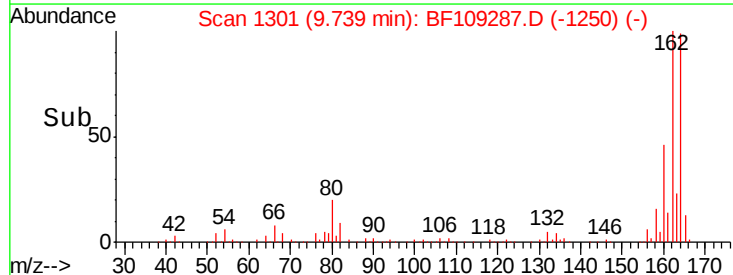
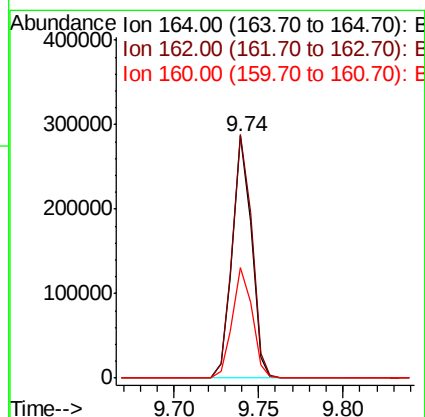
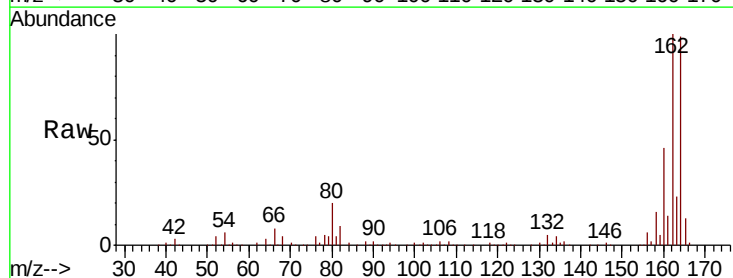
Instrument :
BNA_F
ClientSampleId :
NYSEG-CLRK-PH4-A14-B2

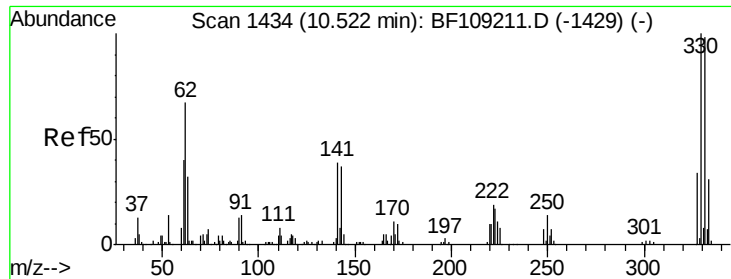
Tot Ion:122 Resp: 3428
Ion Ratio Lower Upper
122 100
105 7.2 101.1 141.1#
77 61.3 70.7 110.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.74 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BF109287.D
Acq: 25 Sep 2018 15:59

Tgt Ion:164 Resp: 225085
Ion Ratio Lower Upper
164 100
162 100.7 86.1 129.1
160 45.9 38.3 57.5

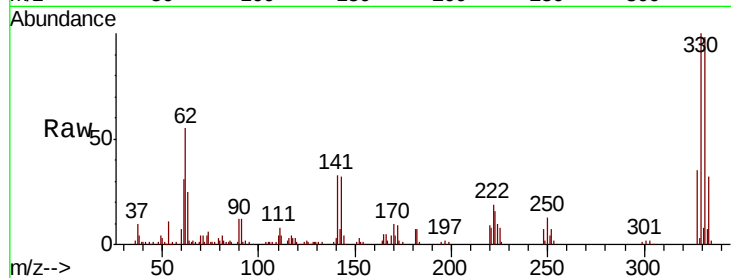




#41
 2,4,6-Tribromophenol
 Concen: 26.457 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109287.D
 Acq: 25 Sep 2018 15:59

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-CLRK-PH4-A14-B2

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.7	77.0	115.6
141	33.7	29.9	44.9

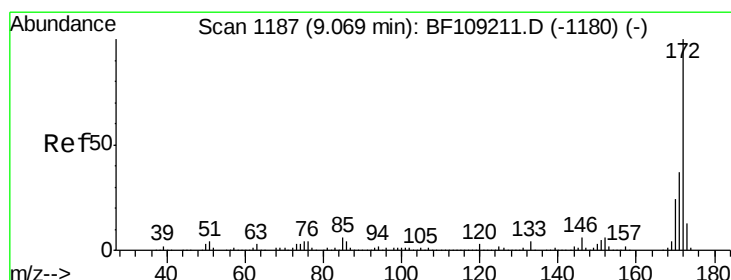
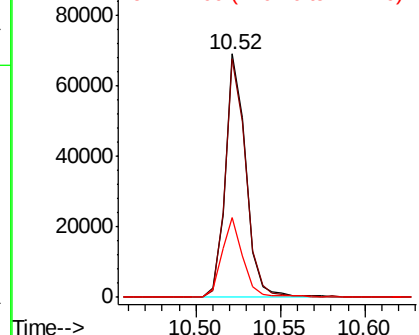
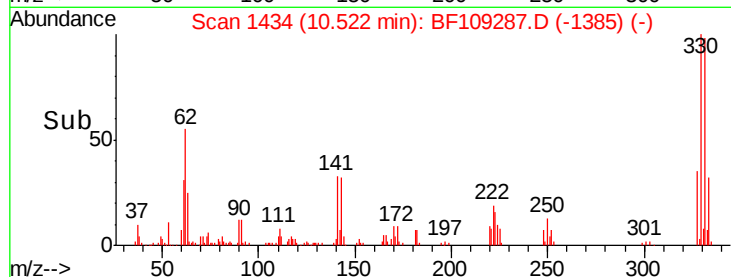


Abundance

Ion 329.80 (329.50 to 330.50): E

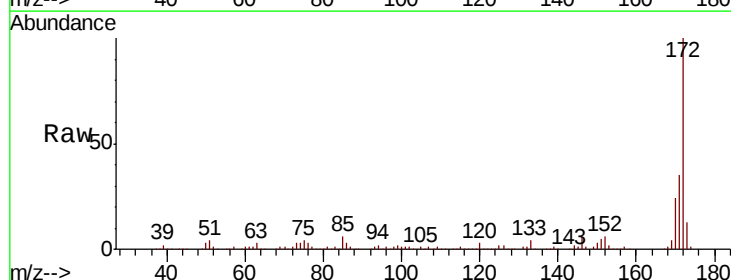
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 21.186 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109287.D
 Acq: 25 Sep 2018 15:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	23.7	19.6	29.4

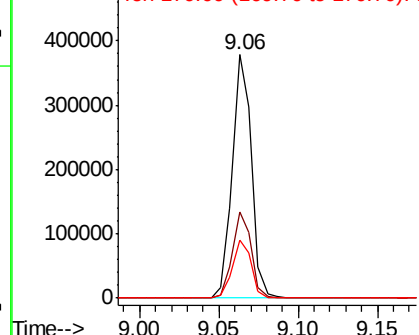
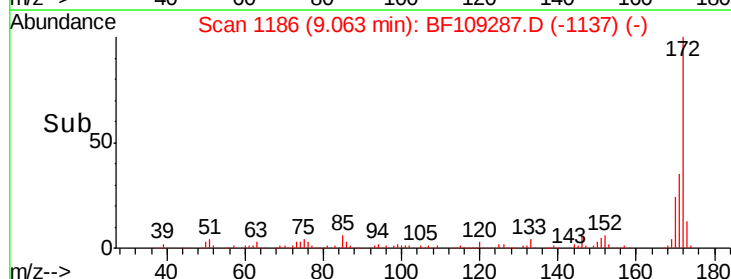


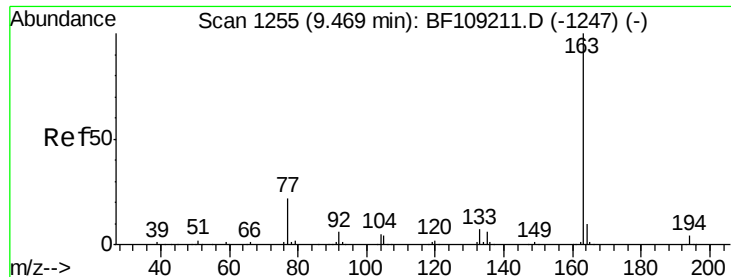
Abundance

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

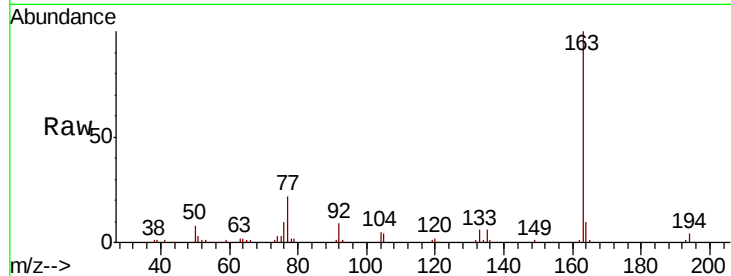




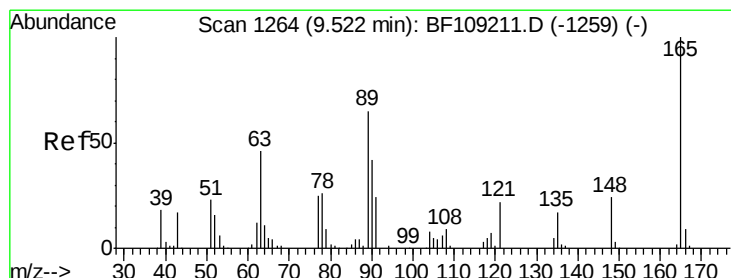
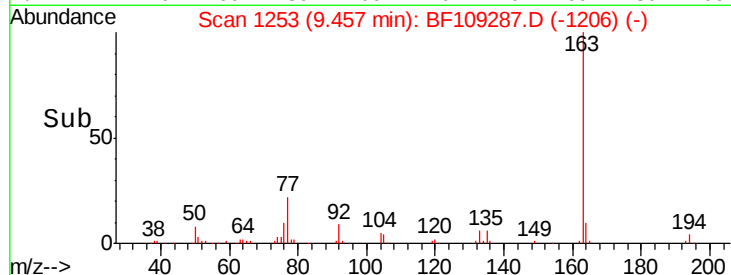
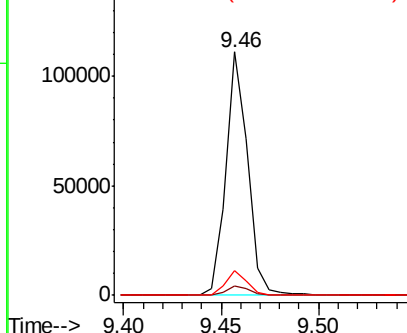
#49
Dimethylphthalate
Concen: 5.234 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF109287.D
Acq: 25 Sep 2018 15:59

Instrument :
BNA_F
ClientSampleId :
NYSEG-CLRK-PH4-A14-B2

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.0	2.7	4.1
164	10.1	8.2	12.2

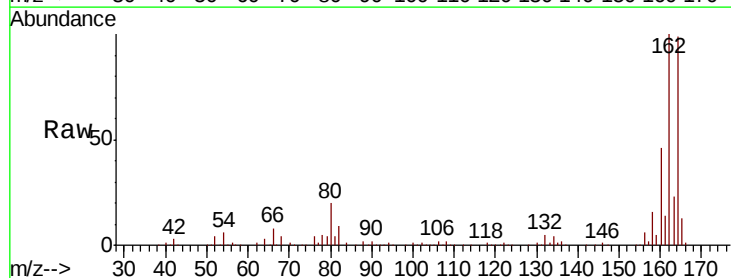


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

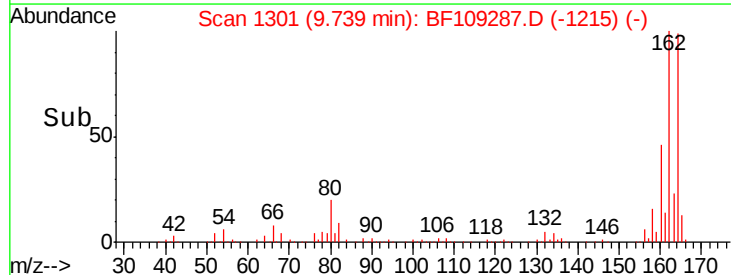
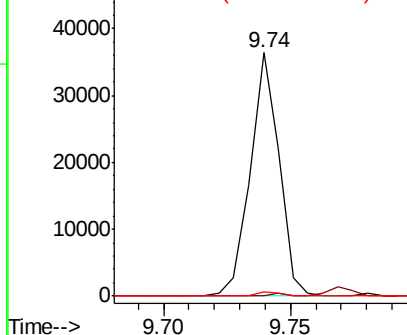


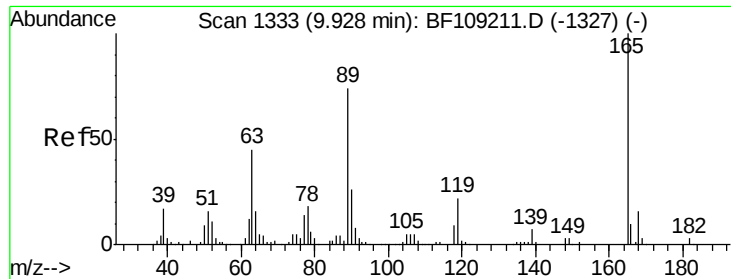
#50
2,6-Dinitrotoluene
Concen: 8.907 ng
RT: 9.74 min Scan# 1301
Delta R.T. 0.21 min
Lab File: BF109287.D
Acq: 25 Sep 2018 15:59

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	1.6	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

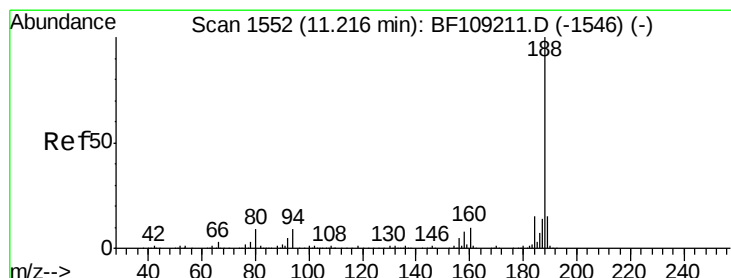
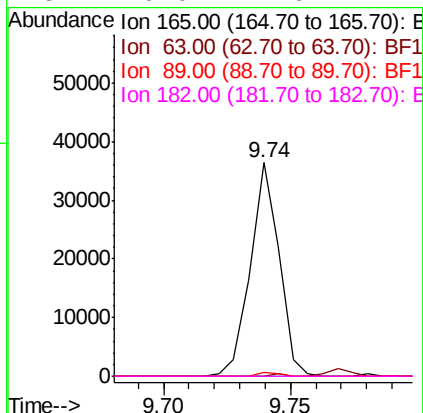
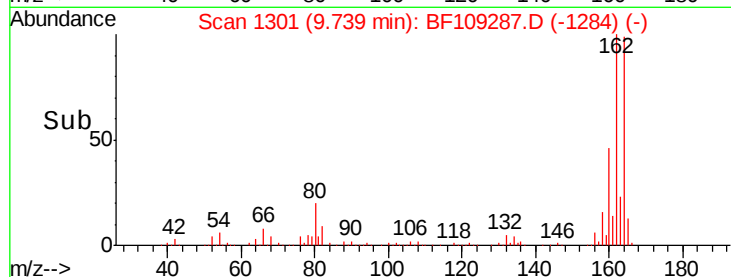
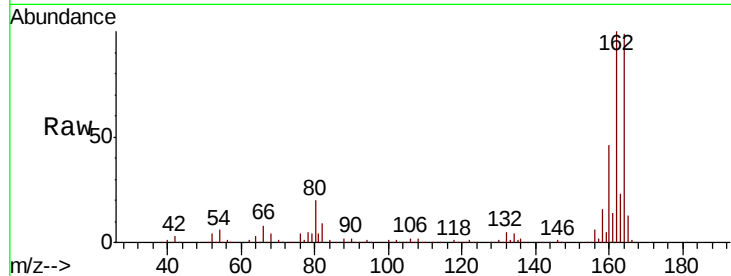




#56
 2,4-Dinitrotoluene
 Concen: 7.039 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. -0.20 min
 Lab File: BF109287.D
 Acq: 25 Sep 2018 15:59

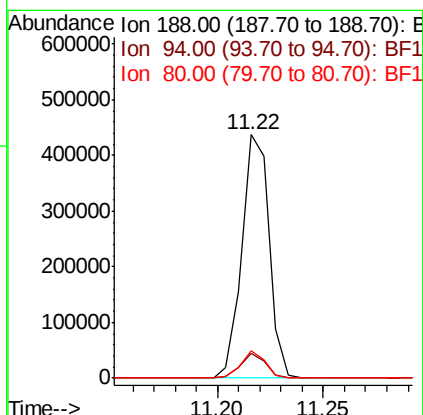
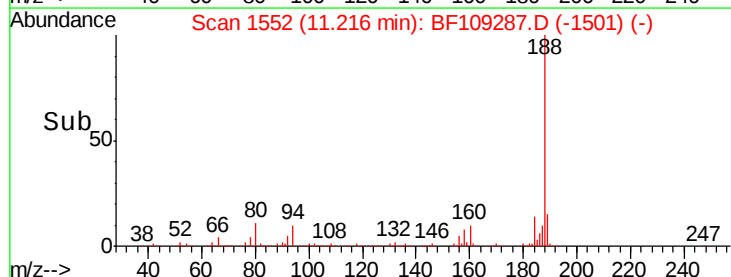
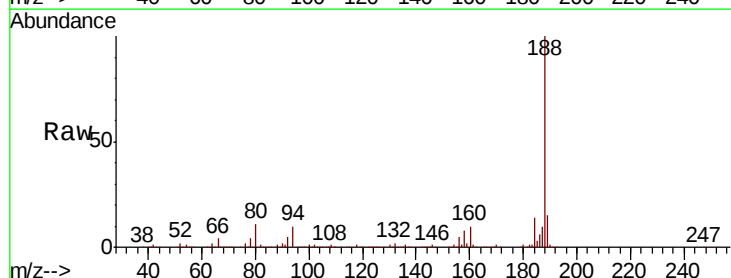
Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-CLRK-PH4-A14-B2

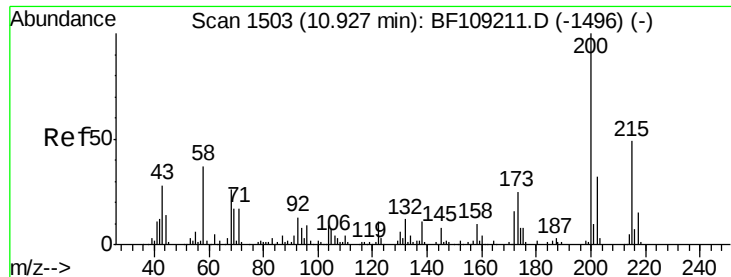
Tot	Ion:165	Resp:	28879
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. 0.00 min
 Lab File: BF109287.D
 Acq: 25 Sep 2018 15:59

Tgt Ion	188	Resp: Lower	391760 Upper
	Ratio		
188	100		
94	10.1	8.5	12.7
80	11.0	9.2	13.8

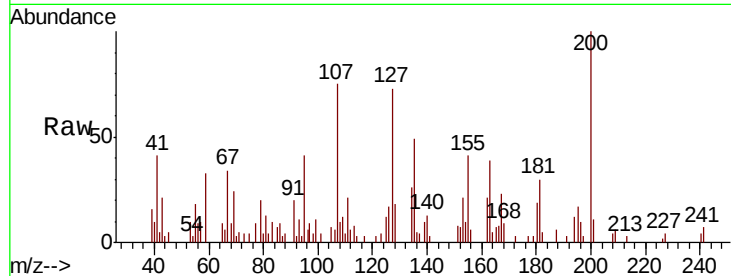




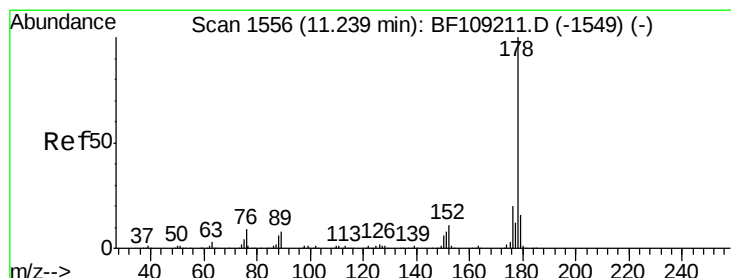
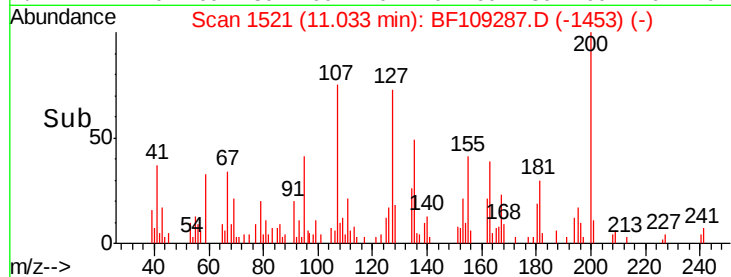
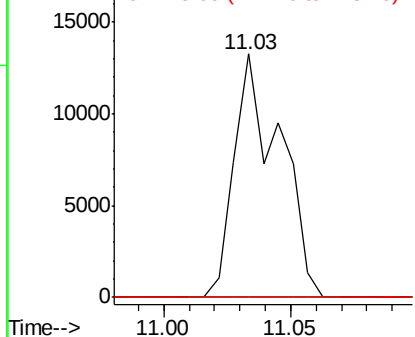
#68
Atrazine
Concen: 4.181 ng
RT: 11.03 min Scan# 1521
Delta R.T. 0.10 min
Lab File: BF109287.D
Acq: 25 Sep 2018 15:59

Instrument :
BNA_F
ClientSampleId :
NYSEG-CLRK-PH4-A14-B2

Tot Ion:200 Resp: 16644
Ion Ratio Lower Upper
200 100
173 0.0 8.6 48.6#
215 0.0 25.1 65.1#

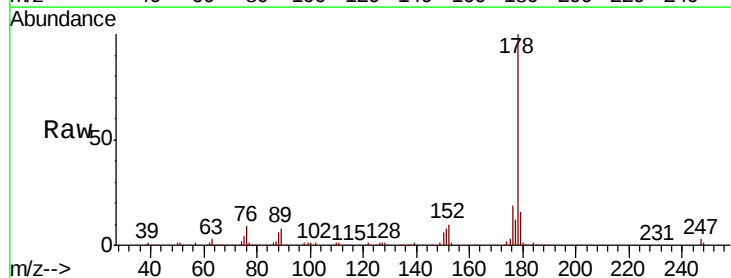


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

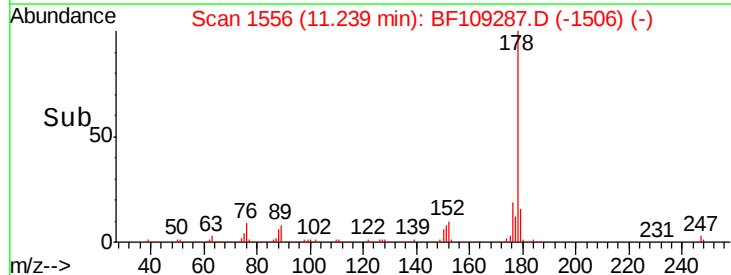
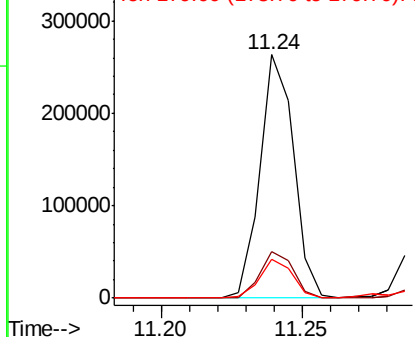


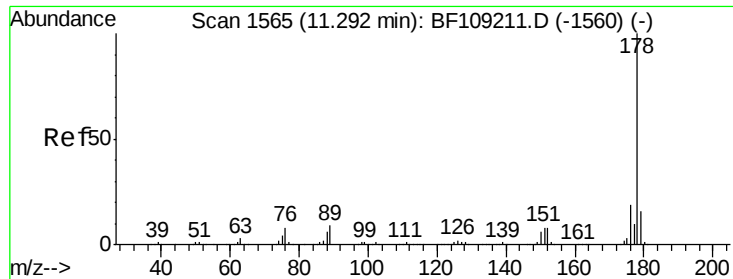
#70
Phenanthrene
Concen: 11.153 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF109287.D
Acq: 25 Sep 2018 15:59

Tgt Ion:178 Resp: 218157
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.8
179 15.8 13.0 19.6



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

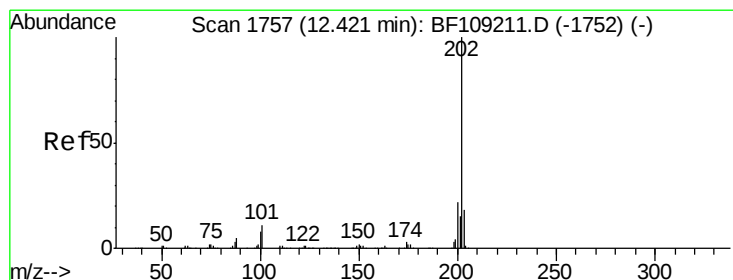
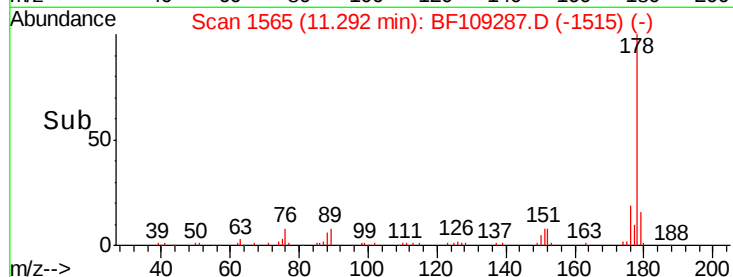
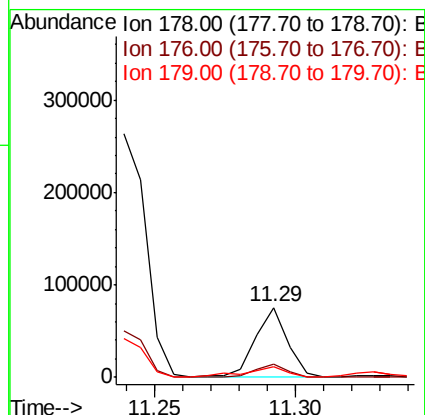
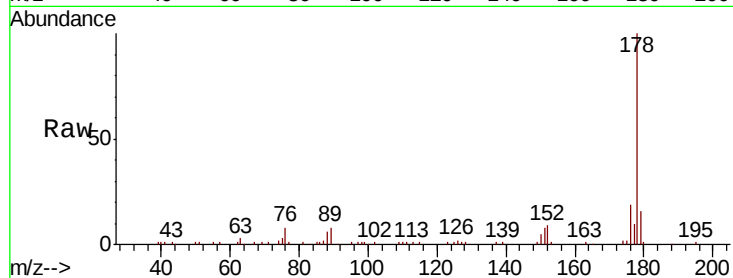




#71
 Anthracene
 Concen: 2.957 ng
 RT: 11.29 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: BF109287.D
 Acq: 25 Sep 2018 15:59

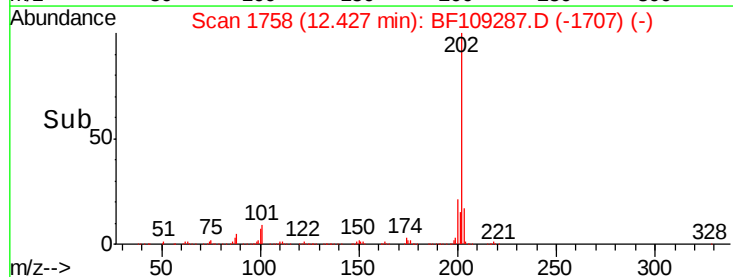
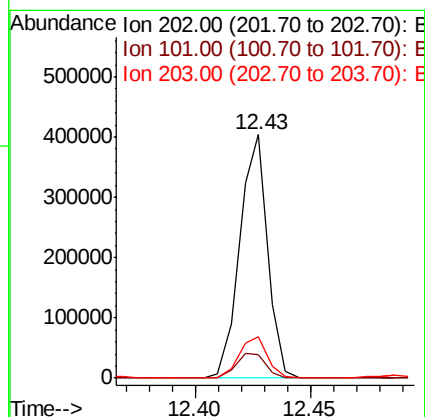
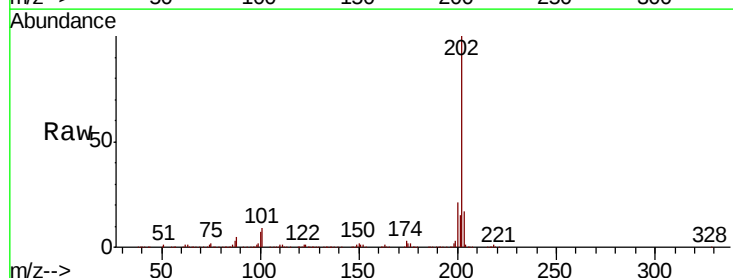
Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-CLRK-PH4-A14-B2

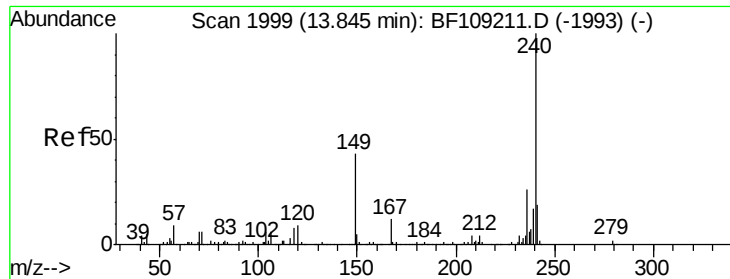
Tot Ion:178 Resp: 58656
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.4 23.2
 179 15.7 12.6 19.0



#74
 Fluoranthene
 Concen: 16.179 ng
 RT: 12.43 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: BF109287.D
 Acq: 25 Sep 2018 15:59

Tgt Ion:202 Resp: 338204
 Ion Ratio Lower Upper
 202 100
 101 9.5 0.0 34.1
 203 16.9 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.84 min Scan# 1999

Delta R.T. 0.00 min

Lab File: BF109287.D

Acq: 25 Sep 2018 15:59

Instrument :

BNA_F

ClientSampleId :

NYSEG-CLRK-PH4-A14-B2

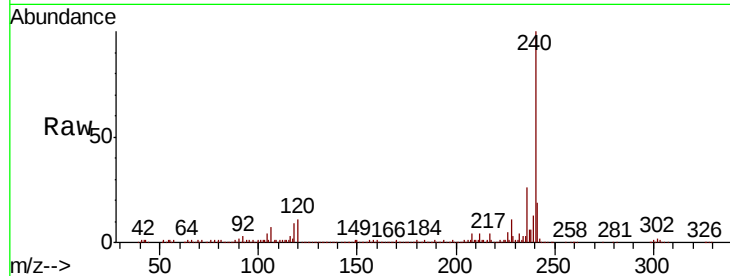
Tot Ion:240 Resp: 296464

Ion Ratio Lower Upper

240 100

120 10.8 9.5 14.3

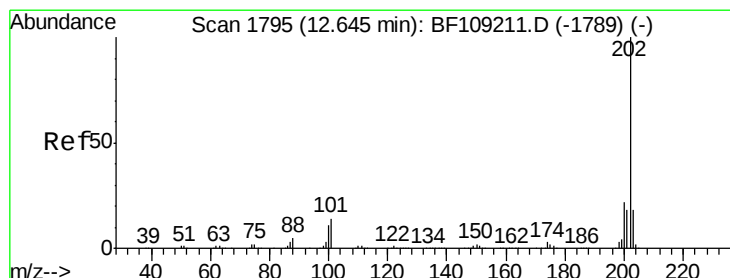
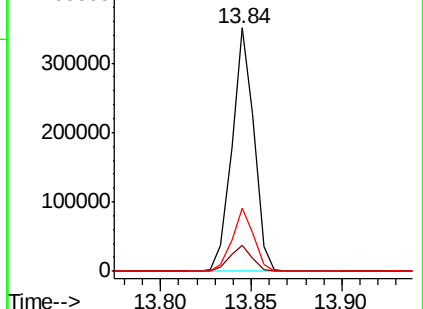
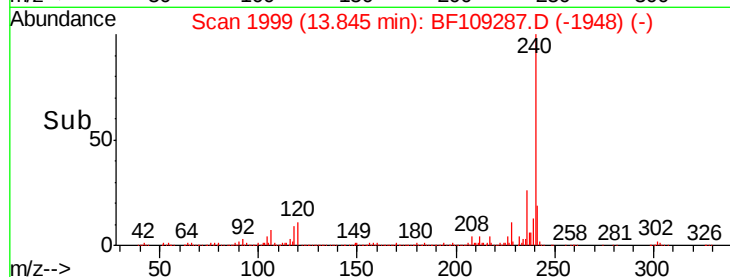
236 25.9 20.7 31.1



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: 15.416 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BF109287.D

Acq: 25 Sep 2018 15:59

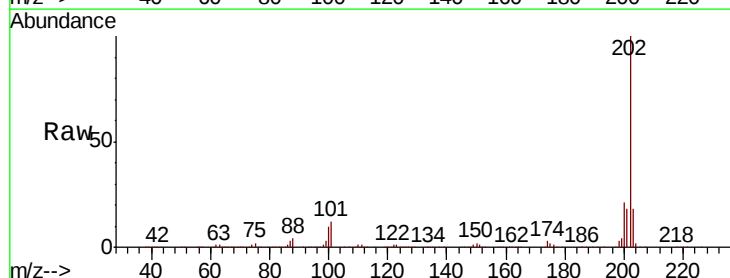
Tgt Ion:202 Resp: 327537

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

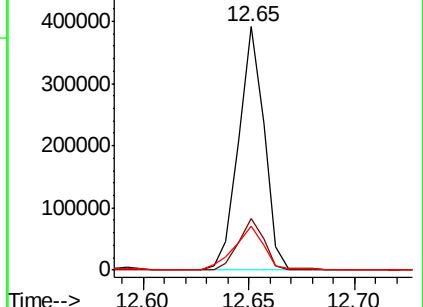
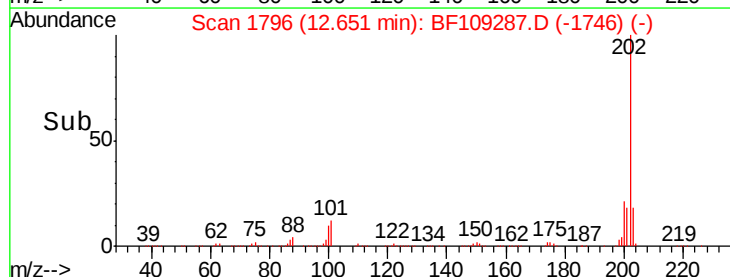
203 17.8 14.3 21.5

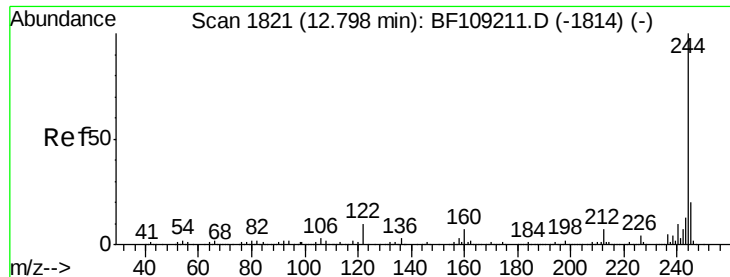


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 20.312 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF109287.D

Acq: 25 Sep 2018 15:59

Instrument :

BNA_F

ClientSampleId :

NYSEG-CLRK-PH4-A14-B2

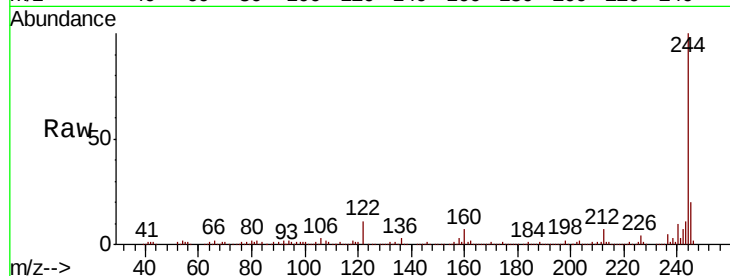
Tot Ion:244 Resp: 245370

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

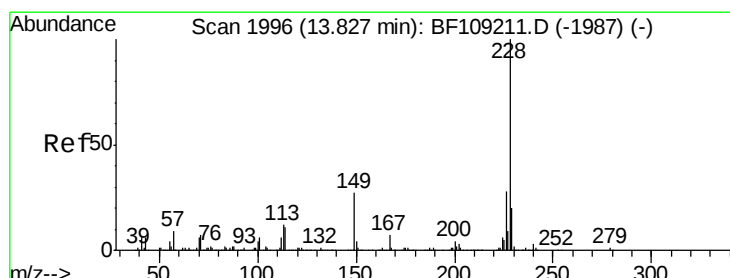
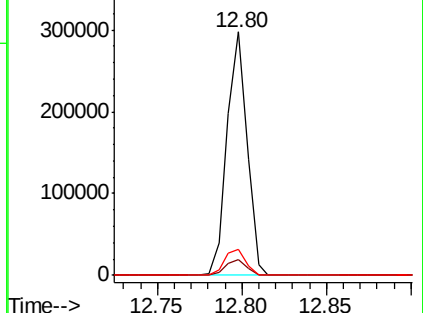
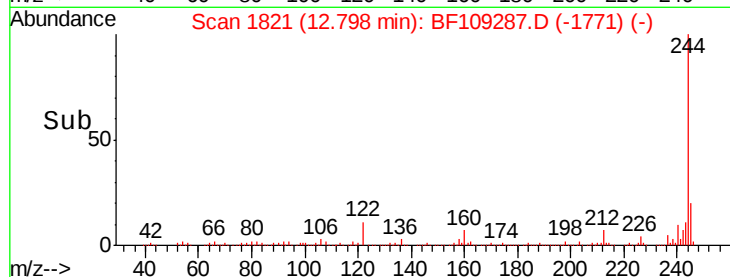
122 10.9 11.0 16.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 7.396 ng

RT: 13.87 min Scan# 2003

Delta R.T. 0.04 min

Lab File: BF109287.D

Acq: 25 Sep 2018 15:59

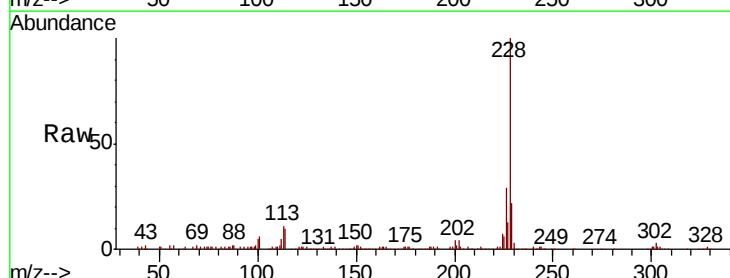
Tgt Ion:228 Resp: 132069

Ion Ratio Lower Upper

228 100

226 29.4 22.6 33.8

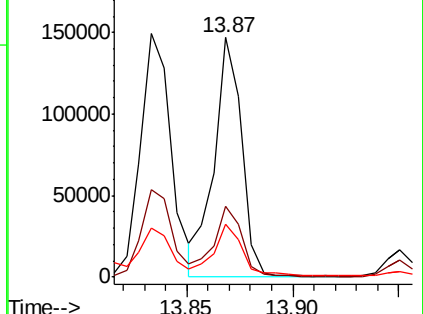
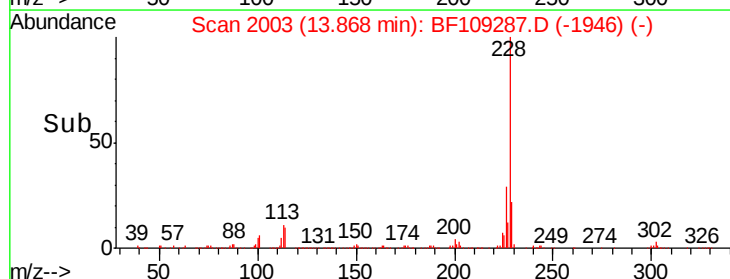
229 21.9 15.8 23.6

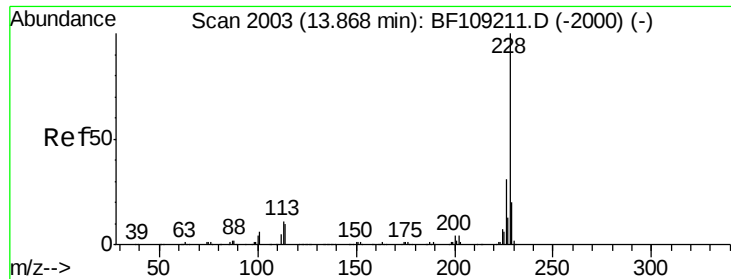


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

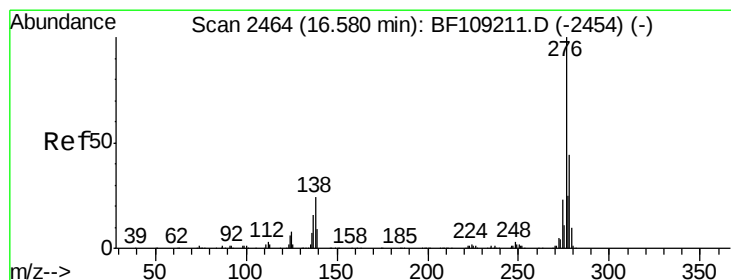
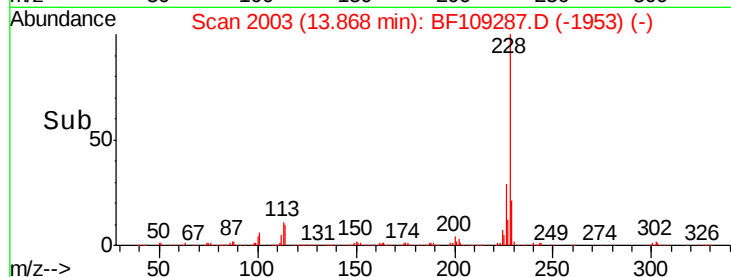
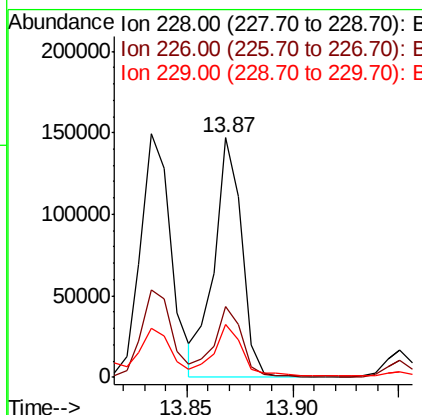
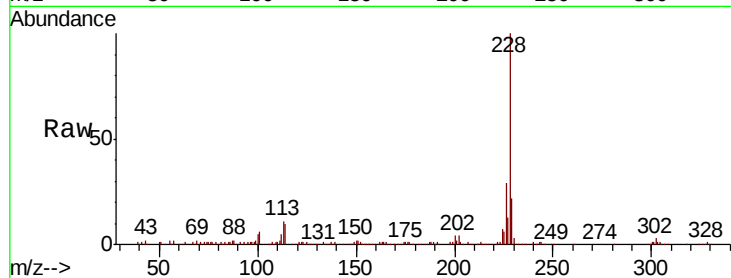




#82
Chrysene
Concen: 7.462 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BF109287.D
Acq: 25 Sep 2018 15:59

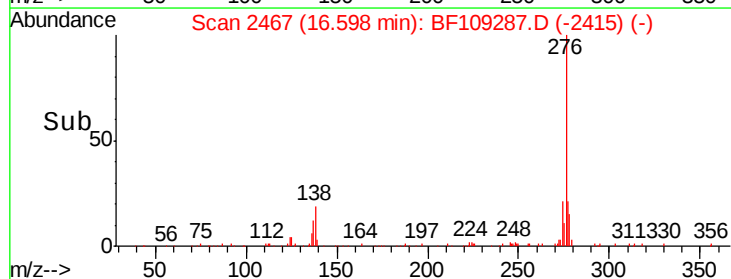
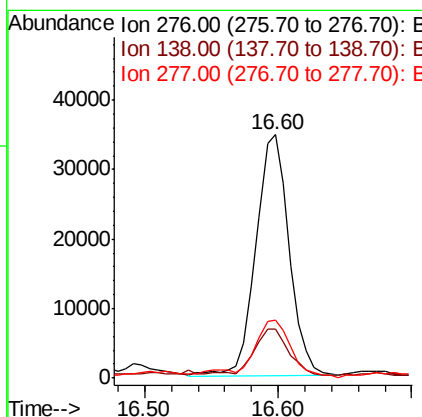
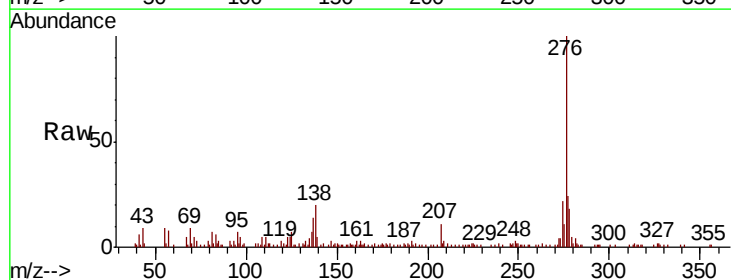
Instrument :
BNA_F
ClientSampleId :
NYSEG-CLRK-PH4-A14-B2

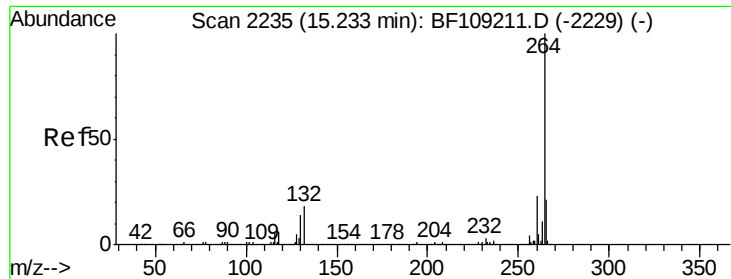
Tot Ion:228 Resp: 132069
Ion Ratio Lower Upper
228 100
226 29.4 25.0 37.6
229 21.9 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 4.167 ng
RT: 16.60 min Scan# 2467
Delta R.T. 0.01 min
Lab File: BF109287.D
Acq: 25 Sep 2018 15:59

Tgt Ion:276 Resp: 59775
Ion Ratio Lower Upper
276 100
138 19.4 25.0 37.6#
277 25.6 20.1 30.1

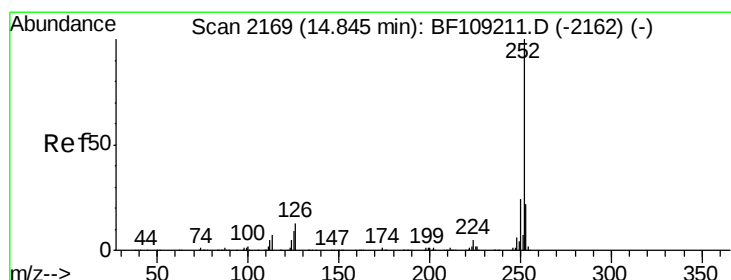
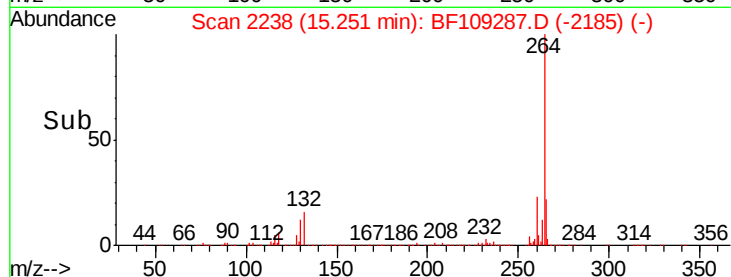
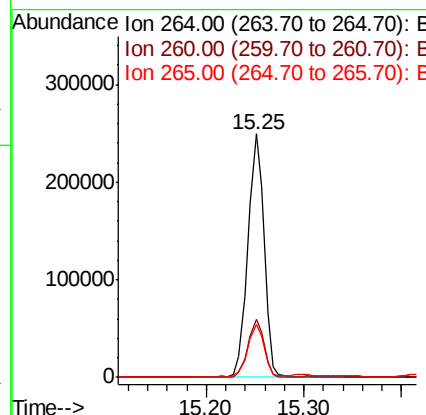
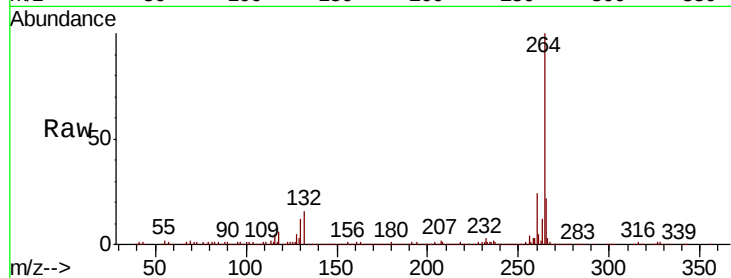




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.25 min Scan# 2238
Delta R.T. 0.01 min
Lab File: BF109287.D
Acq: 25 Sep 2018 15:59

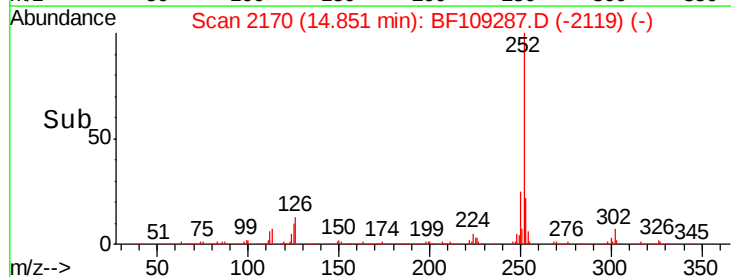
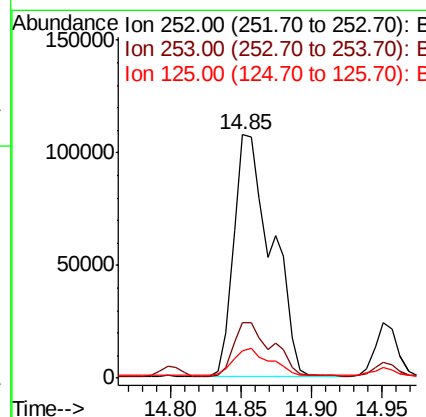
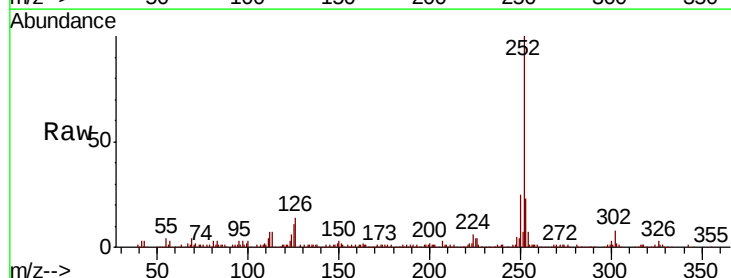
Instrument :
BNA_F
ClientSampleId :
NYSEG-CLRK-PH4-A14-B2

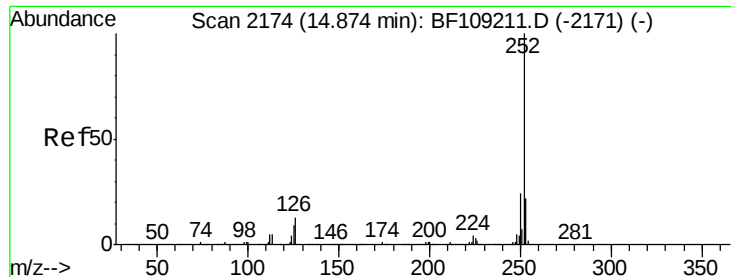
Tot Ion:264 Resp: 289755
Ion Ratio Lower Upper
264 100
260 23.6 19.2 28.8
265 21.9 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 12.671 ng
RT: 14.85 min Scan# 2170
Delta R.T. 0.00 min
Lab File: BF109287.D
Acq: 25 Sep 2018 15:59

Tgt Ion:252 Resp: 201744
Ion Ratio Lower Upper
252 100
253 22.9 17.0 25.6
125 11.1 9.0 13.6

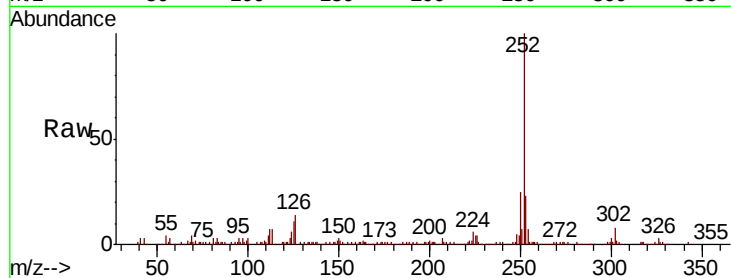




#88
Benzo(k)fluoranthene
Concen: 13.353 ng
RT: 14.85 min Scan# 2170
Delta R.T. -0.03 min
Lab File: BF109287.D
Acq: 25 Sep 2018 15:59

Instrument :
BNA_F
ClientSampleId :
NYSEG-CLRK-PH4-A14-B2

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	11.1	10.2	15.2

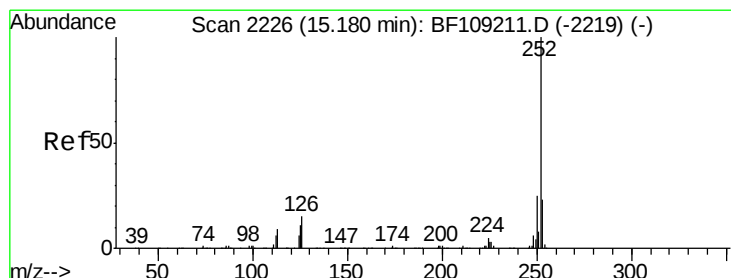
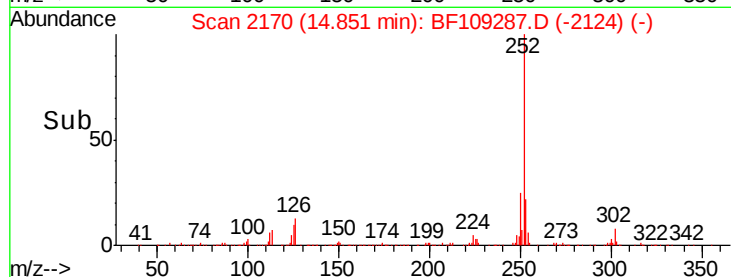
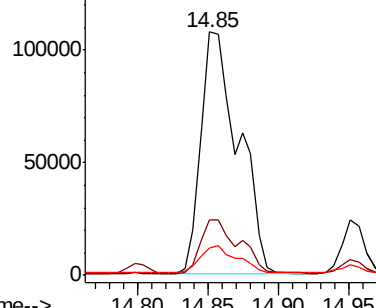


Abundance

Ion 252.00 (251.70 to 252.70): E

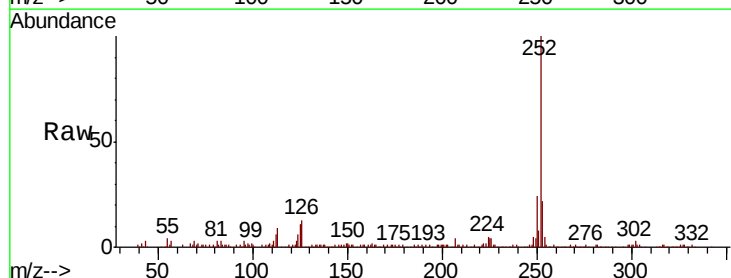
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 8.278 ng
RT: 15.19 min Scan# 2228
Delta R.T. 0.01 min
Lab File: BF109287.D
Acq: 25 Sep 2018 15:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.1	25.7
125	11.3	9.8	14.6

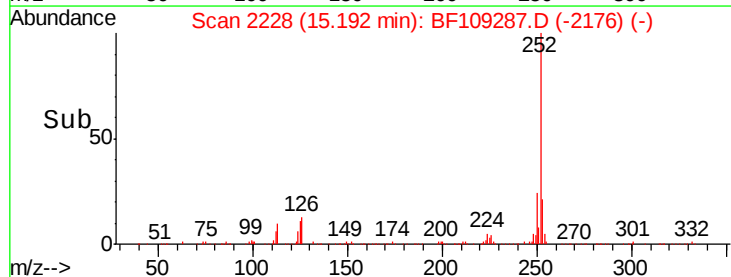
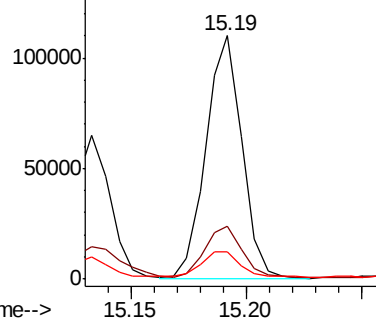


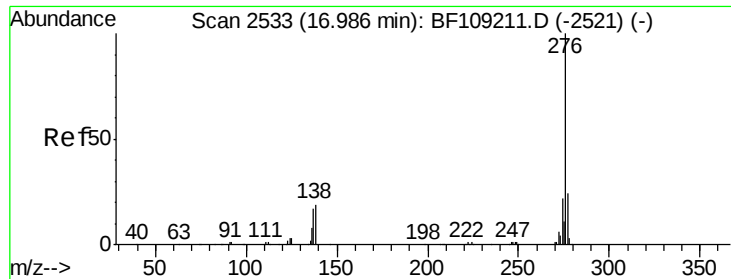
Abundance

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(a,h,i)perylene
 Concen: 4.706 ng
 RT: 17.00 min Scan# 2535
 Delta R.T. 0.00 min
 Lab File: BF109287.D
 Acq: 25 Sep 2018 15:59

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-CLRK-PH4-A14-B2

Tot Ion: 276 Resp: 54440
 Ion Ratio Lower Upper
 276 100
 277 26.1 17.9 26.9
 138 24.0 21.8 32.8

