

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091217\
 Data File : BF098450.D
 Acq On : 12 Sep 2017 15:12
 Operator : SJ/JU
 Sample : I5151-06DL 250X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI2-6DL

Manual Integrations
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 9/13/2017 4:59:56 PM

Quant Time: Sep 12 15:44:22 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 02:14:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	214959	20.00	ng	-0.01
21) Naphthalene-d8	7.95	136	914637	20.00	ng	0.00
38) Acenaphthene-d10	9.69	164	417117	20.00	ng	-0.01
63) Phenanthrene-d10	11.17	188	756024	20.00	ng	-0.01
75) Chrysene-d12	13.81	240	448005	20.00	ng	0.00
86) Perylene-d12	15.20	264	418561	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.29	112	2406	0.17	ng	0.01
7) Phenol-d6	6.33	99	3833	0.21	ng	0.00
23) Nitrobenzene-d5	7.23	82	2394	0.15	ng	0.00
41) 2,4,6-Tribromophenol	10.49	330	351	0.13	ng	0.00
44) 2-Fluorobiphenyl	9.02	172	4372	0.18	ng	-0.02
78) Terphenyl-d14	12.76	244	4446	0.21	ng	-0.01

Target Compounds

						Qvalue
31) Naphthalene	7.97	128	2869996	63.474	ng	98
37) 2-Methylnaphthalene	8.66	142	478301	17.463	ng	100
45) 1,1'-Biphenyl	9.12	154	140008	3.750	ng	94
48) Acenaphthylene	9.56	152	126200	3.183	ng	96
51) Acenaphthene	9.73	154	513825	20.389	ng	98
54) Dibenzofuran	9.90	168	455425	13.718	ng	99
57) Fluorene	10.24	166	408646	14.871	ng	98
70) Phenanthrene	11.20	178	1904192	47.511	ng	99
71) Anthracene	11.25	178	632558	15.372	ng	99
72) Carbazole	11.41	167	204354	5.329	ng	98
74) Fluoranthene	12.39	202	1229864	30.653	ng	98
77) Pylene	12.62	202	1020090	28.864	ng	100
80) Benzo(a)anthracene	13.80	228	308920m	11.761	ng	
82) Chrysene	13.83	228	272066m	10.247	ng	
85) Indeno(1,2,3-cd)pyrene	16.54	276	120974	6.494	ng	94
87) Benzo(b)fluoranthene	14.82	252	269637m	10.245	ng	
88) Benzo(k)fluoranthene	14.83	252	105947m	4.312	ng	
89) Benzo(a)pyrene	15.15	252	236585	10.090	ng	98
91) Benzo(a,h,i)perylene	16.94	276	110854	6.462	ng	97

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

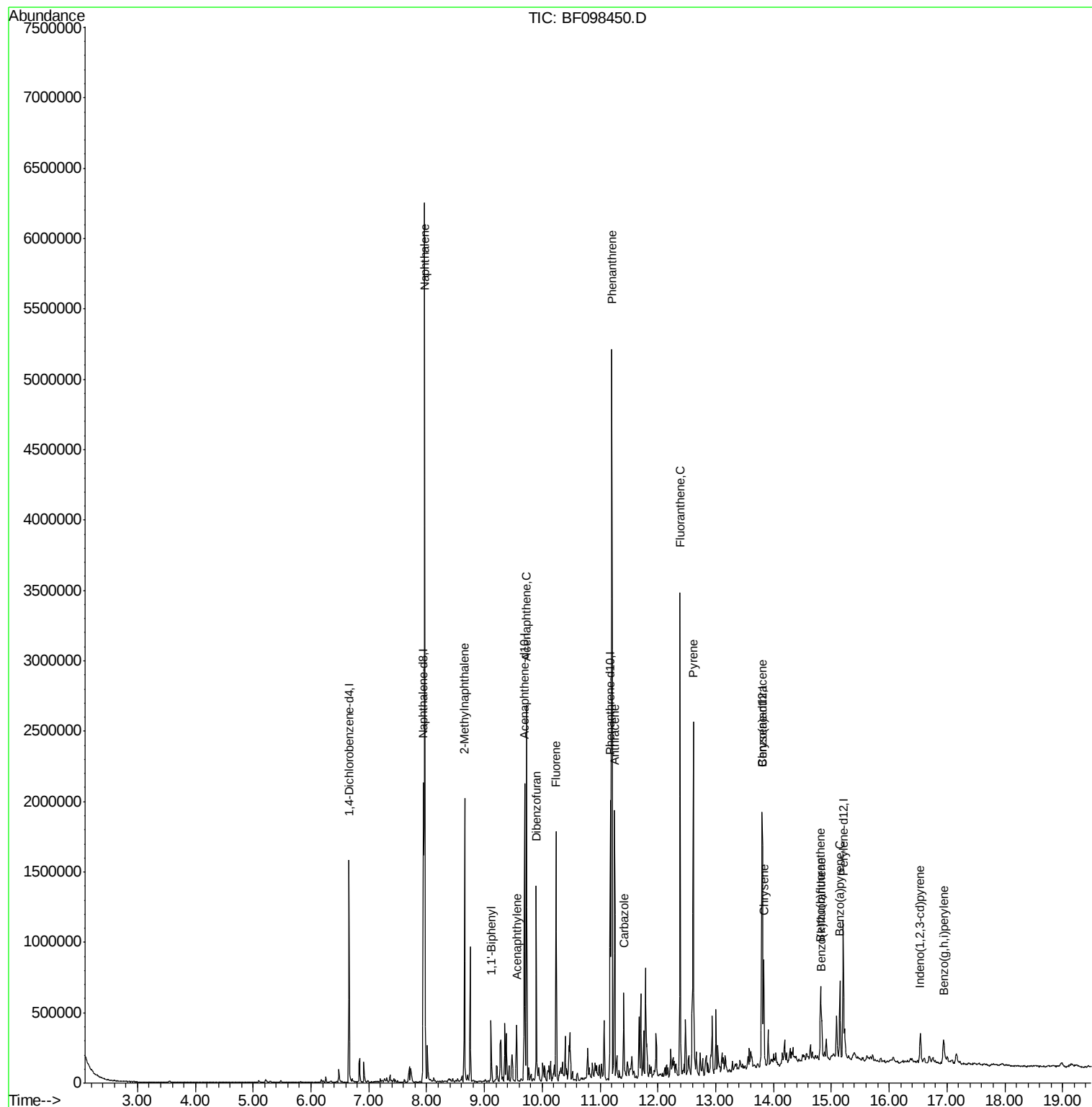
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF091217\
Data File : BF098450.D
Acq On : 12 Sep 2017 15:12
Operator : SJ/JU
Sample : I5151-06DL 250X
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ALS Vial : 5 Sample Multiplier: 1

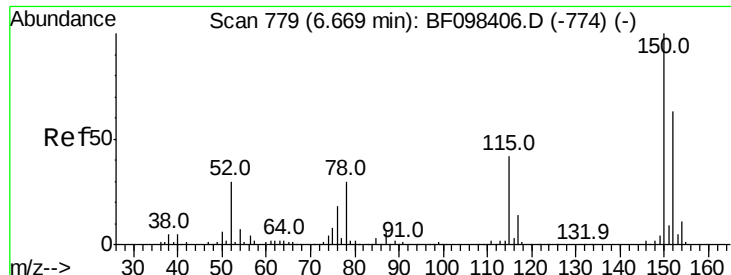
Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-6DL

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Quant Time: Sep 12 15:44:22 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 02:14:50 2017
Response via : Initial Calibration





#1

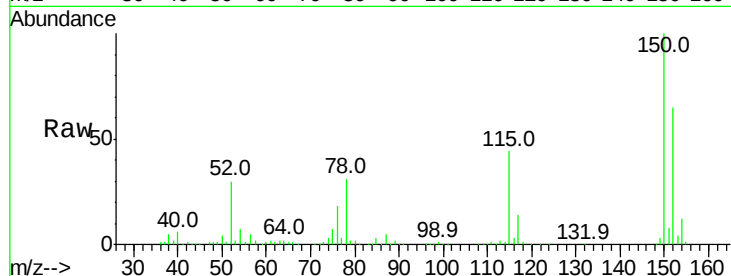
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 777
Delta R.T. -0.01 min
Lab File: BF098450.D
Acq: 12 Sep 2017 15:12

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-6DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.5	126.2	189.2
115	68.3	52.2	78.2

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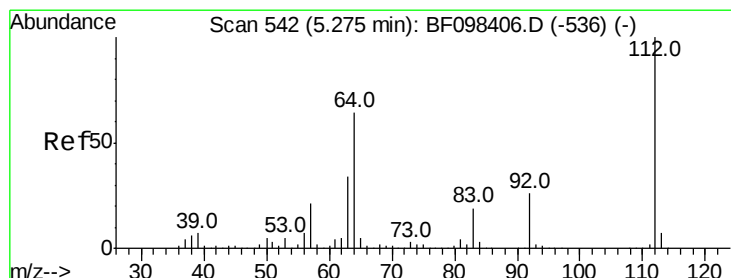
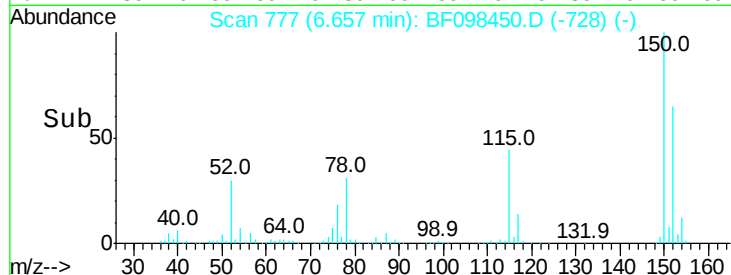
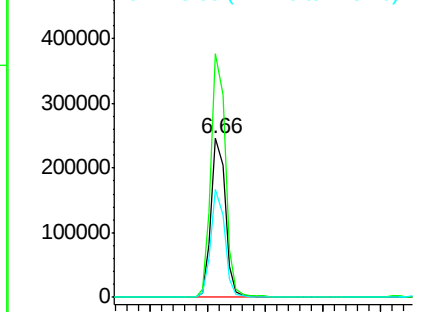


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

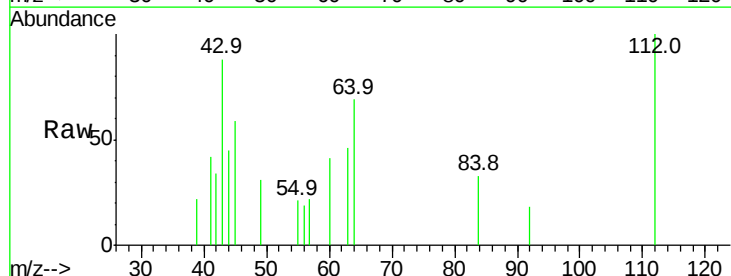
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 0.165 ng
RT: 5.29 min Scan# 544
Delta R.T. 0.01 min
Lab File: BF098450.D
Acq: 12 Sep 2017 15:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.1	46.0	69.0#
63	46.1	23.4	35.0#

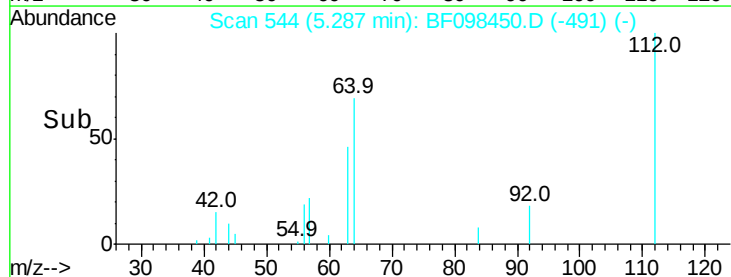
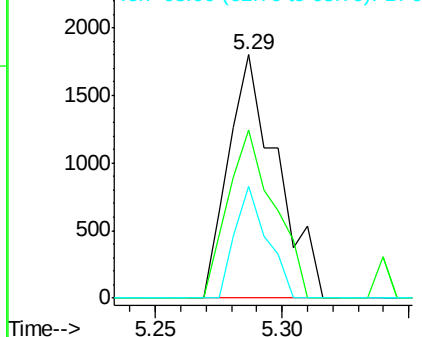


Abundance

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: 0.208 ng

RT: 6.33 min Scan# 721

Delta R.T. 0.01 min

Lab File: BF098450.D

Acq: 12 Sep 2017 15:12

Instrument :

BNA_F

ClientSampleId :

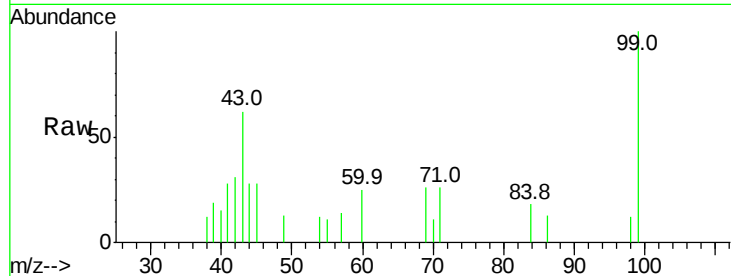
NYSEG-PH4-ESMI2-6DL

Tot Ion:	99	Resp:	3833
Ion Ratio	Lower	Upper	
99	100		
42	31.1	13.5	20.3#
71	26.3	24.5	36.7

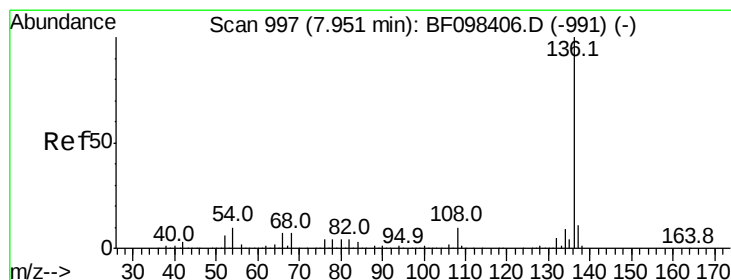
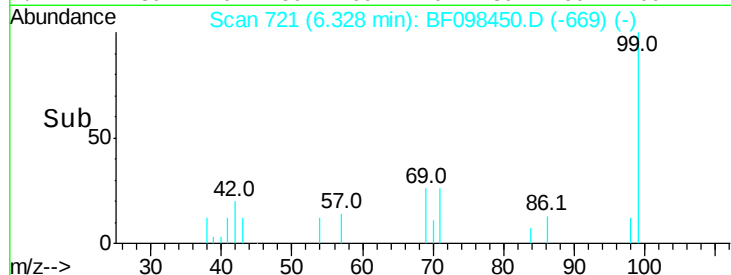
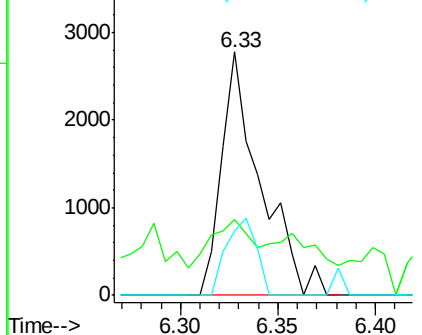
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.95 min Scan# 996

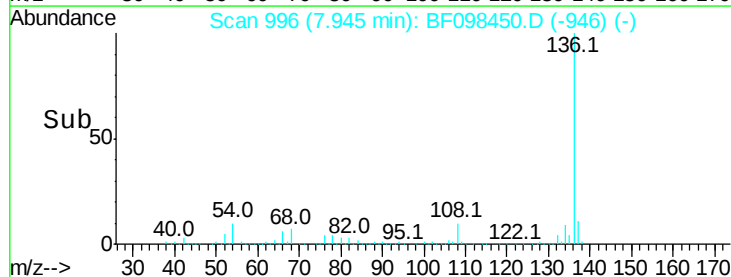
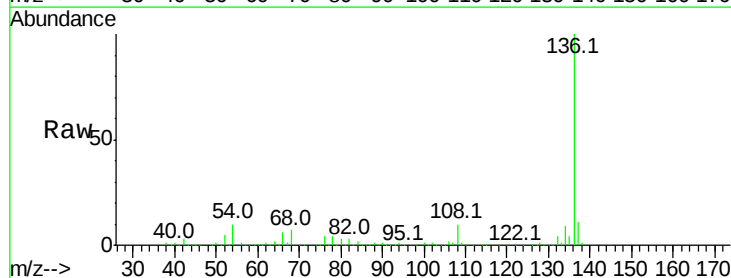
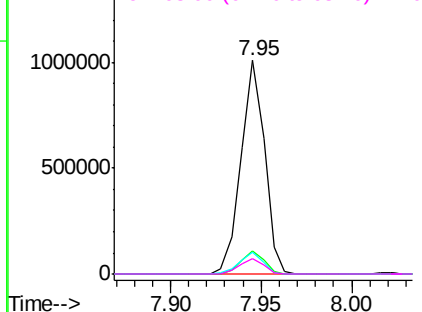
Delta R.T. -0.01 min

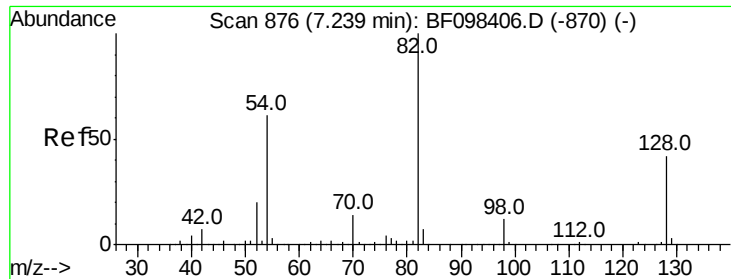
Lab File: BF098450.D

Acq: 12 Sep 2017 15:12

Tgt Ion:	136	Resp:	914637
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.5	12.7
54	10.2	4.9	7.3#
68	7.2	4.1	6.1#

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: 0.146 ng

RT: 7.23 min Scan# 875

Delta R.T. -0.01 min

Lab File: BF098450.D

Acq: 12 Sep 2017 15:12

Instrument :

BNA_F

ClientSampleId :

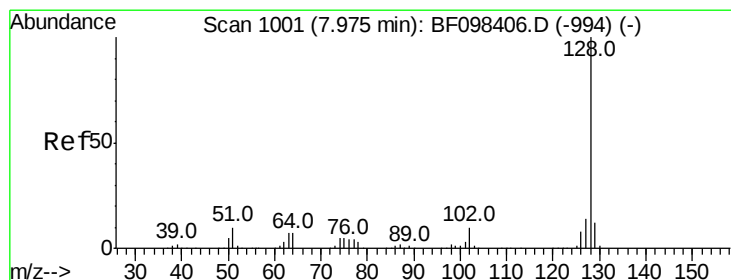
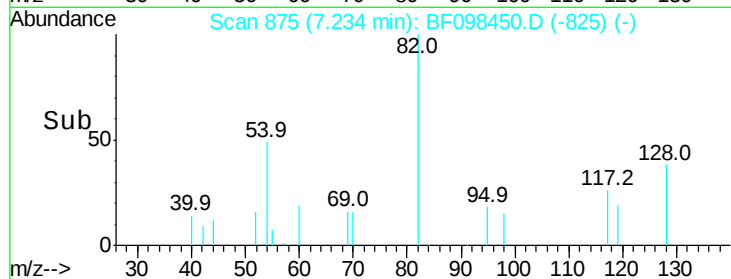
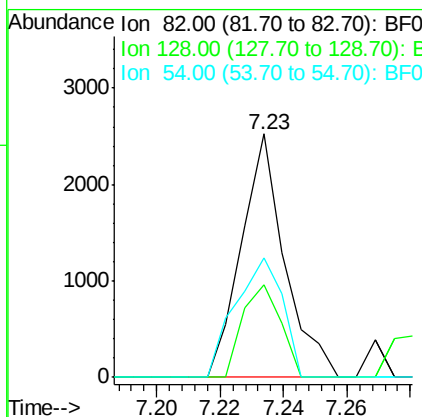
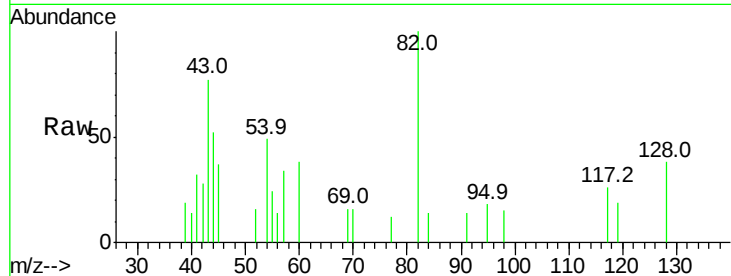
NYSEG-PH4-ESMI2-6DL

Tot Ion:	82	Resp:	2394
Ion Ratio	Lower	Upper	
82	100		
128	38.2	34.0	51.0
54	49.2	42.2	63.2

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#31

Naphthalene

Concen: 63.474 ng

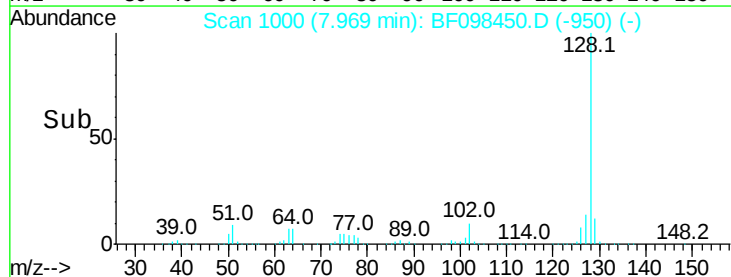
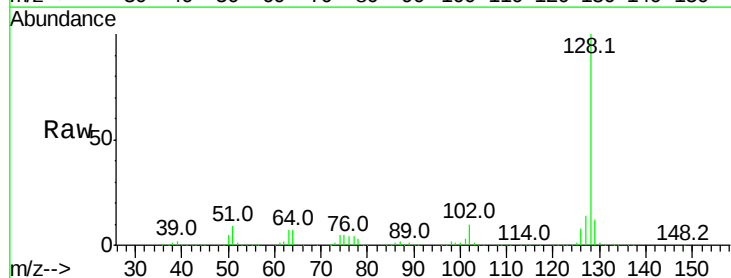
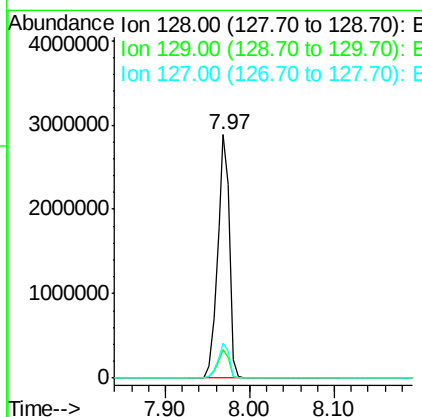
RT: 7.97 min Scan# 1000

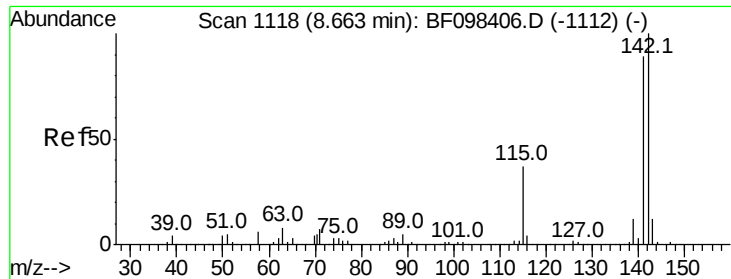
Delta R.T. -0.01 min

Lab File: BF098450.D

Acq: 12 Sep 2017 15:12

Tgt Ion:	128	Resp:	2869996
Ion Ratio	Lower	Upper	
128	100		
129	12.0	9.0	13.6
127	14.3	10.8	16.2





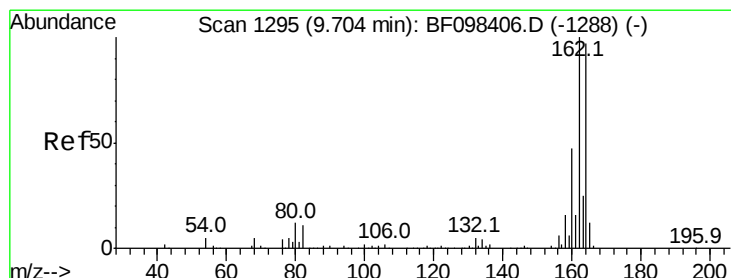
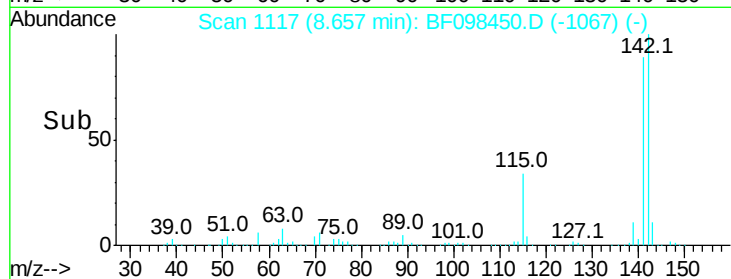
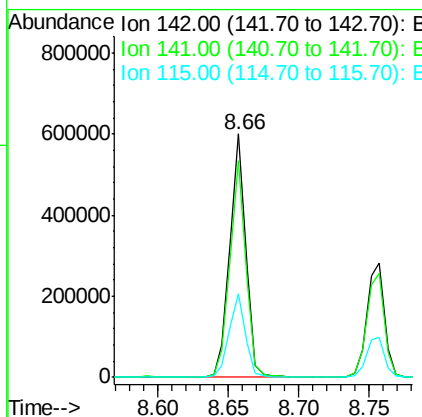
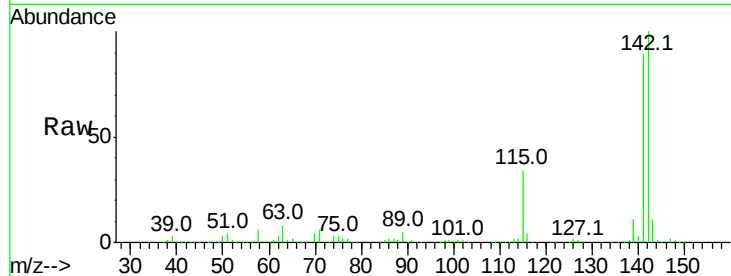
#37
2-Methylnaphthalene
Concen: 17.463 ng
RT: 8.66 min Scan# 1117
Delta R.T. -0.01 min
Lab File: BF098450.D
Acq: 12 Sep 2017 15:12

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-6DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.8	71.3	106.9
115	34.1	27.1	40.7

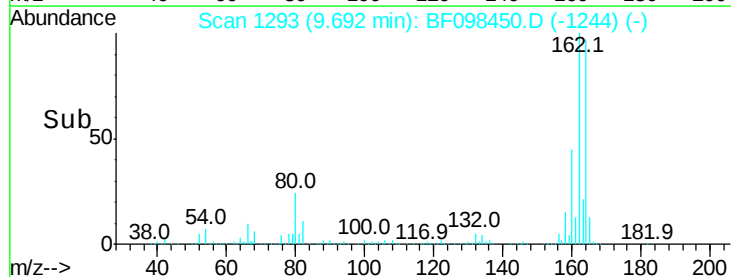
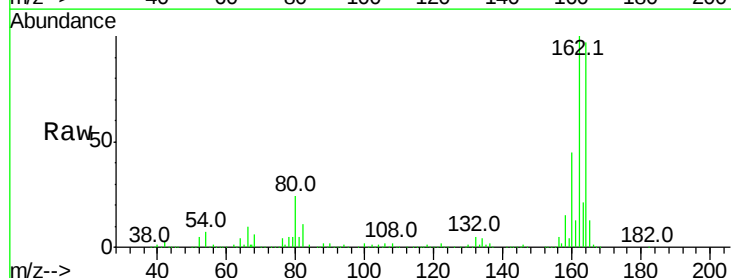
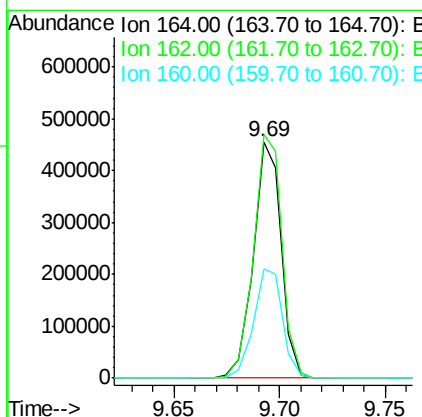
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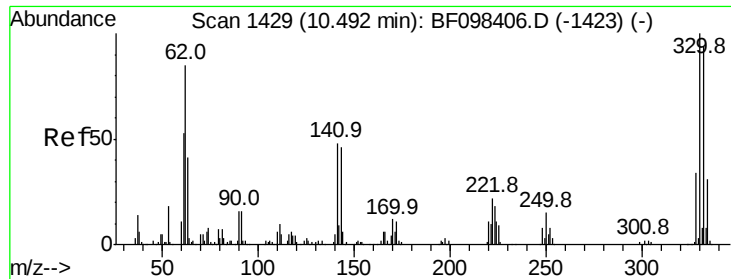
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF098450.D
Acq: 12 Sep 2017 15:12

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.0	82.6	123.8
160	46.3	36.2	54.2





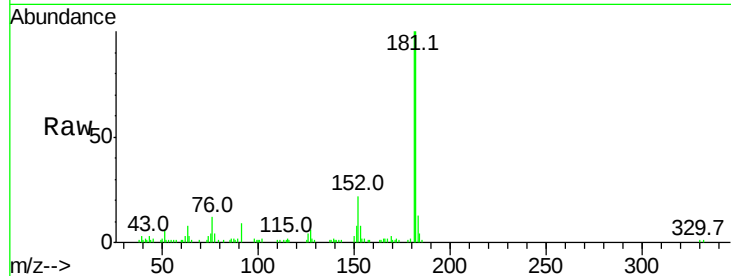
#41
 2,4,6-Tribromophenol
 Concen: 0.126 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. -0.01 min
 Lab File: BF098450.D
 Acq: 12 Sep 2017 15:12

Instrument :
 BNA_F
 ClientSampleID :
 NYSEG-PH4-ESMI2-6DL

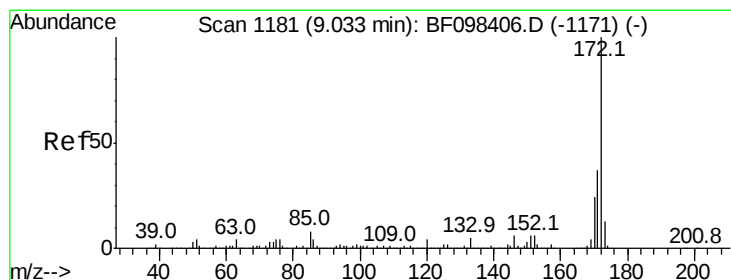
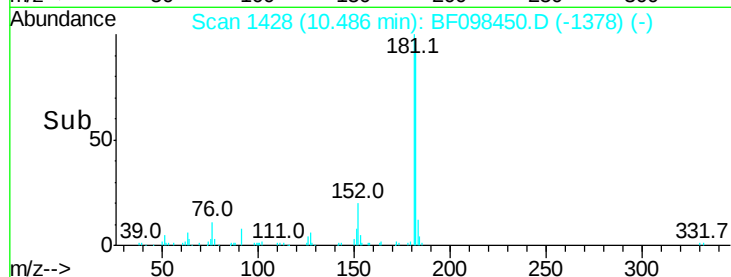
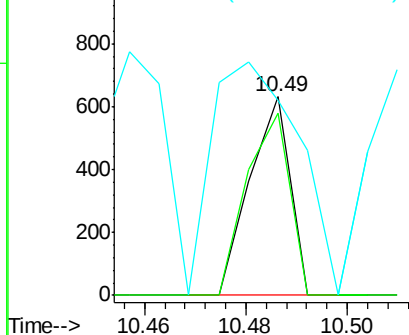
Tot Ion	Ratio	Lower	Upper
330	100		
332	98.6	76.6	115.0
141	251.6	31.4	47.2#

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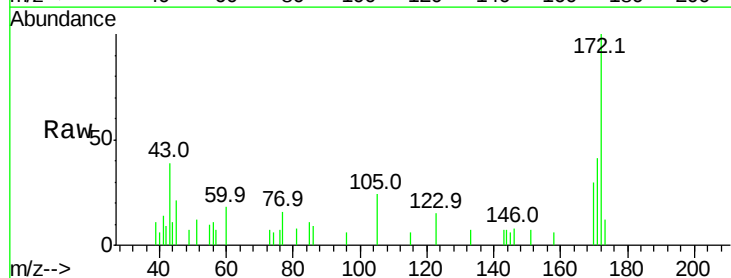


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

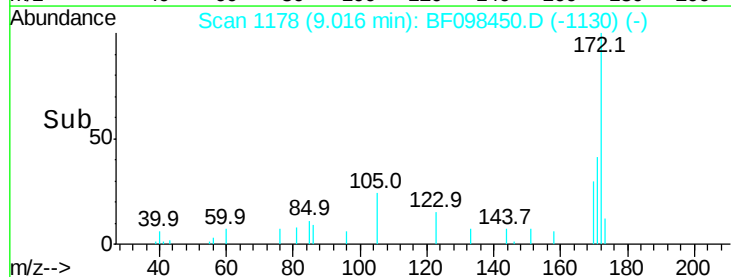
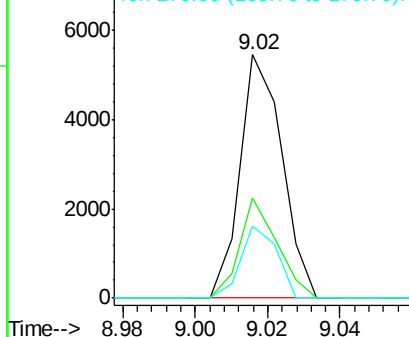


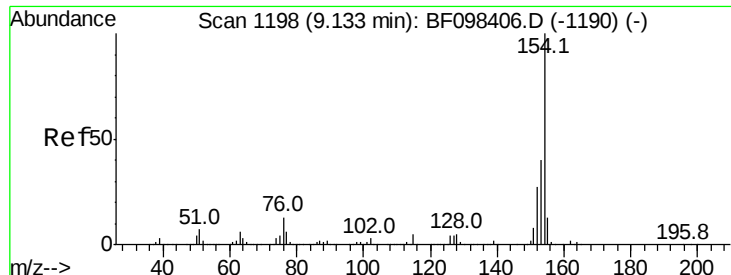
#44
 2-Fluorobiphenyl
 Concen: 0.178 ng
 RT: 9.02 min Scan# 1178
 Delta R.T. -0.02 min
 Lab File: BF098450.D
 Acq: 12 Sep 2017 15:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	41.3	29.6	44.4
170	29.9	19.8	29.8#



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





#45

1,1'-Biphenyl

Concen: 3.750 ng

RT: 9.12 min Scan# 1196

Delta R.T. -0.01 min

Lab File: BF098450.D

Acq: 12 Sep 2017 15:12

Instrument :

BNA_F

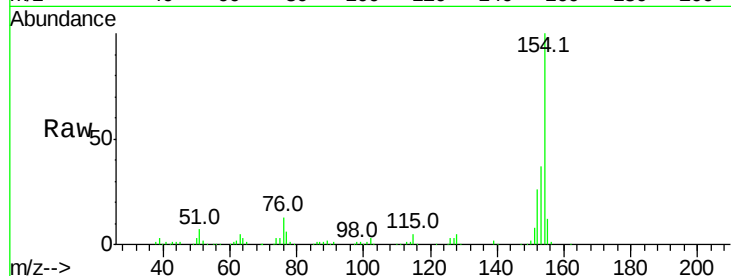
ClientSampleId :

NYSEG-PH4-ESMI2-6DL

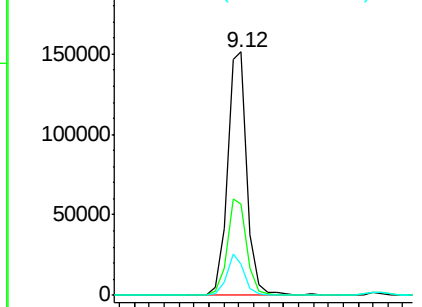
Tot Ion:	154	Resp:	140008
Ion Ratio	Lower	Upper	
154	100		
153	37.4	21.2	61.2
76	12.5	0.0	29.9

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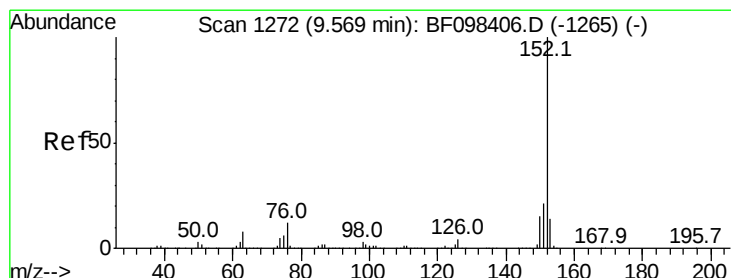
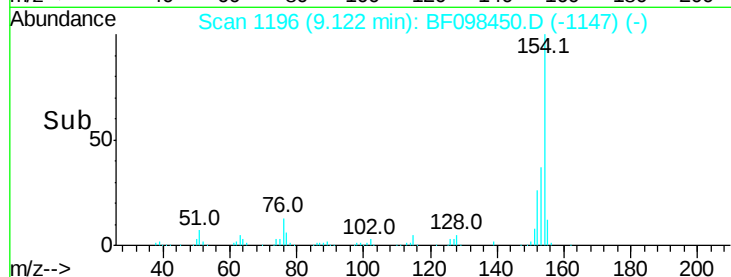
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0



Time-->



#48

Acenaphthylene

Concen: 3.183 ng

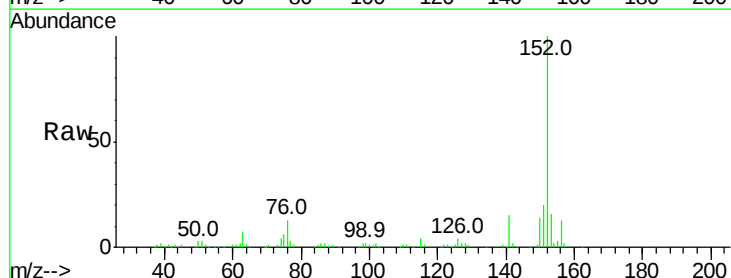
RT: 9.56 min Scan# 1270

Delta R.T. -0.01 min

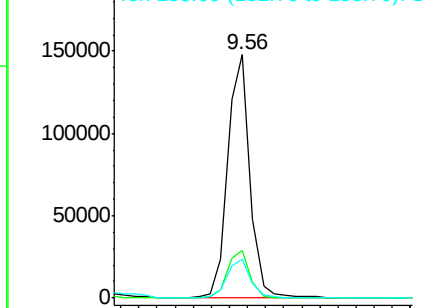
Lab File: BF098450.D

Acq: 12 Sep 2017 15:12

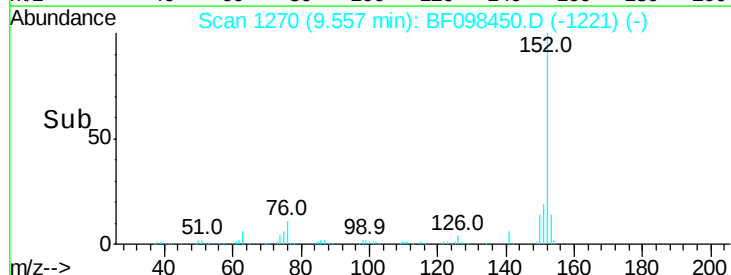
Tgt Ion:	152	Resp:	126200
Ion Ratio	Lower	Upper	
152	100		
151	19.7	16.8	25.2
153	16.0	10.8	16.2

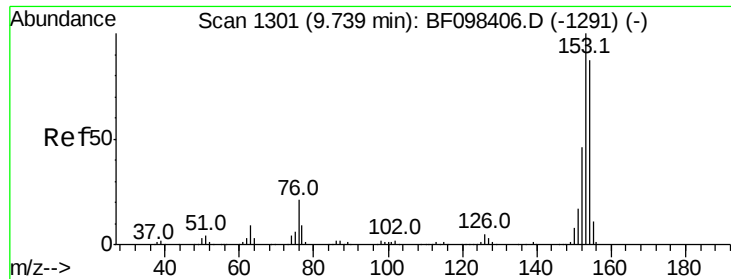


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



Time-->





#51

Acenaphthene

Concen: 20.389 ng

RT: 9.73 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF098450.D

Acq: 12 Sep 2017 15:12

Instrument :

BNA_F

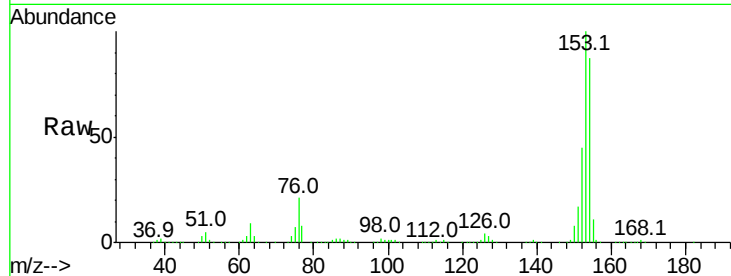
ClientSampleId :

NYSEG-PH4-ESMI2-6DL

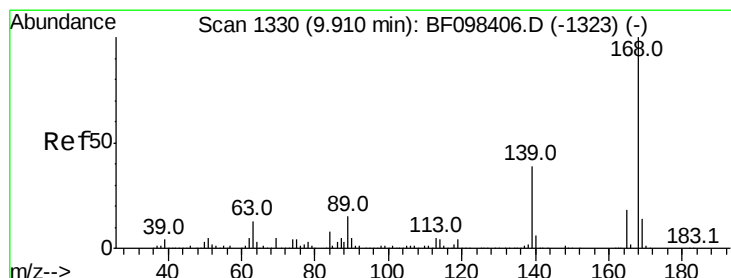
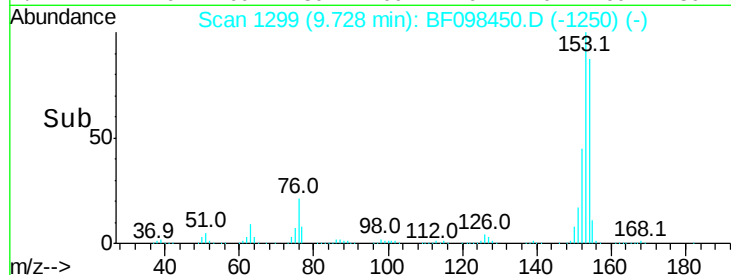
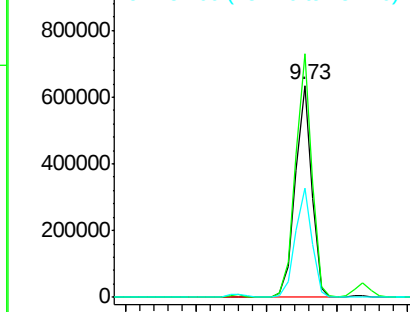
Tot Ion:	154	Resp:	513825
Ion Ratio	Lower	Upper	
154	100		
153	115.0	90.5	135.7
152	51.6	43.6	65.4

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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: 13.718 ng

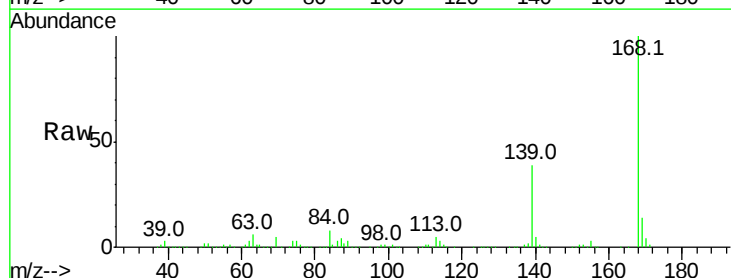
RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

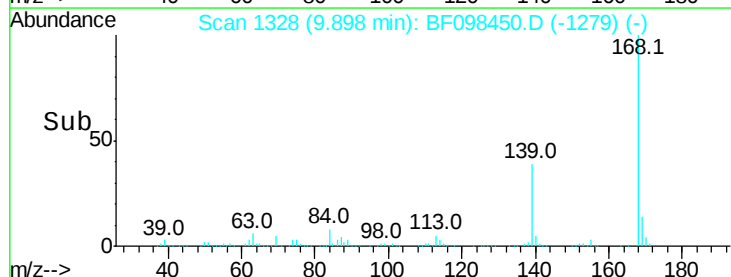
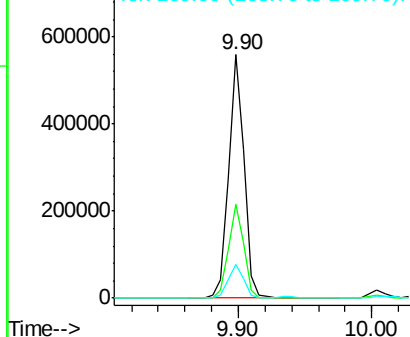
Lab File: BF098450.D

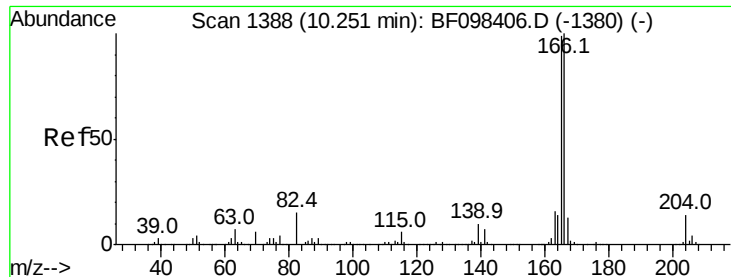
Acq: 12 Sep 2017 15:12

Tgt Ion:	168	Resp:	455425
Ion Ratio	Lower	Upper	
168	100		
139	38.6	30.6	45.8
169	13.8	10.8	16.2



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





#57

Fluorene

Concen: 14.871 ng

RT: 10.24 min Scan# 1386

Delta R.T. -0.01 min

Lab File: BF098450.D

Acq: 12 Sep 2017 15:12

Instrument :

BNA_F

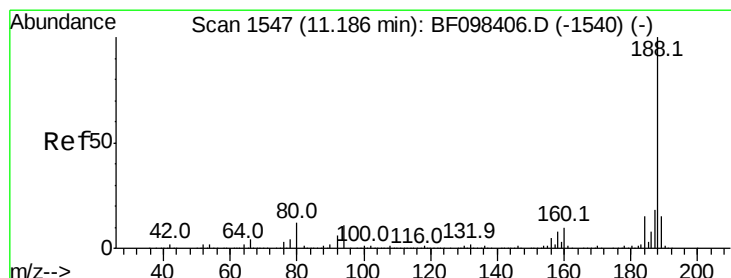
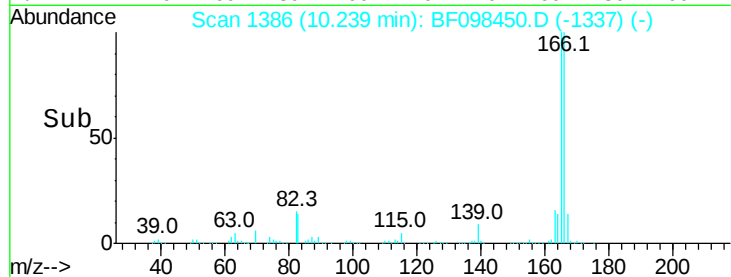
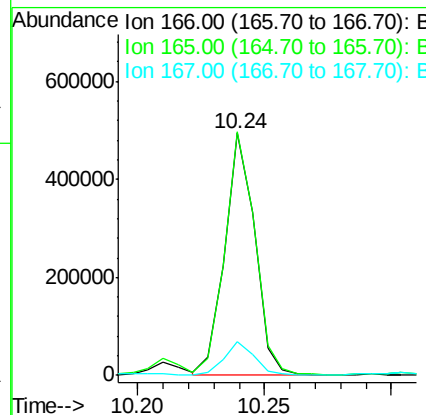
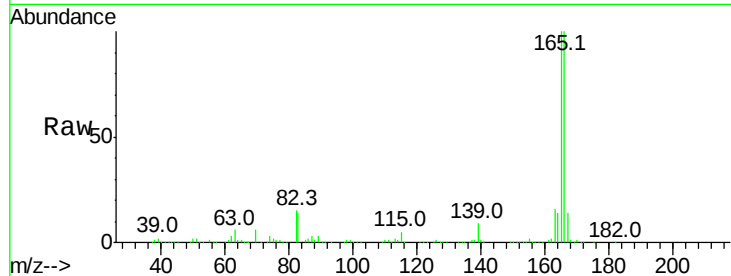
ClientSampleId :

NYSEG-PH4-ESMI2-6DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.5	78.8	118.2
167	13.9	10.6	16.0

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.000 ng

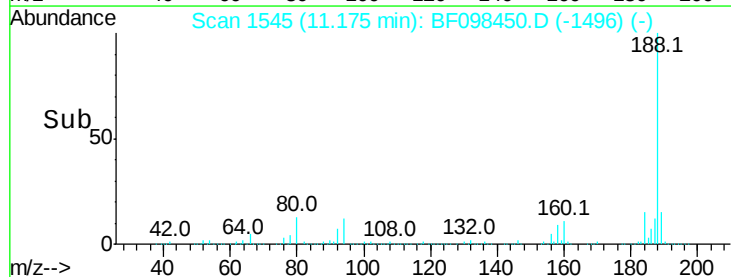
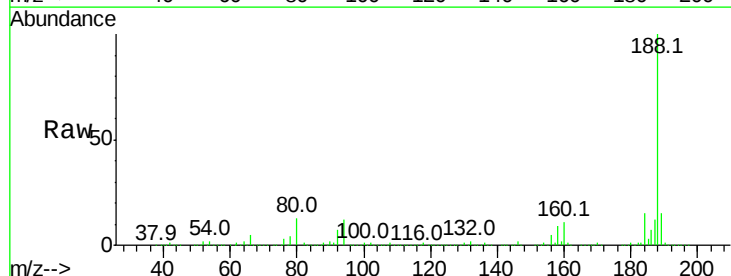
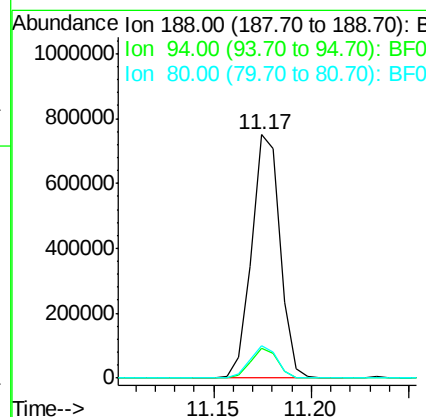
RT: 11.17 min Scan# 1545

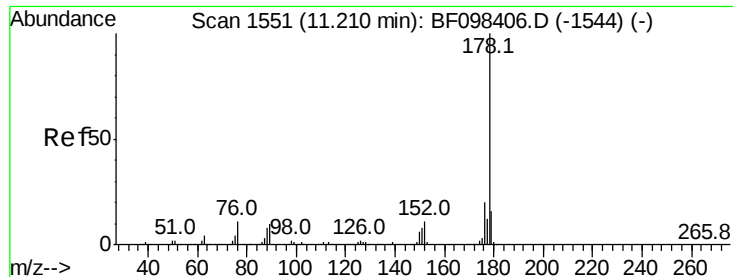
Delta R.T. -0.01 min

Lab File: BF098450.D

Acq: 12 Sep 2017 15:12

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.4	9.4	14.2
80	13.3	10.2	15.2





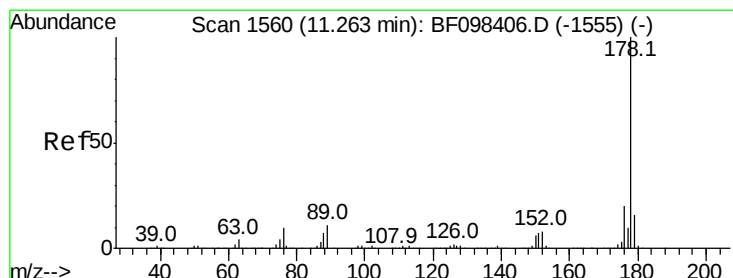
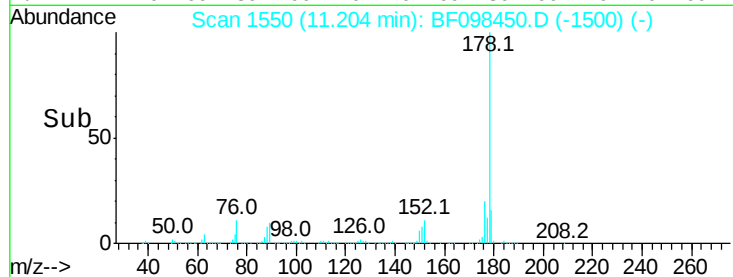
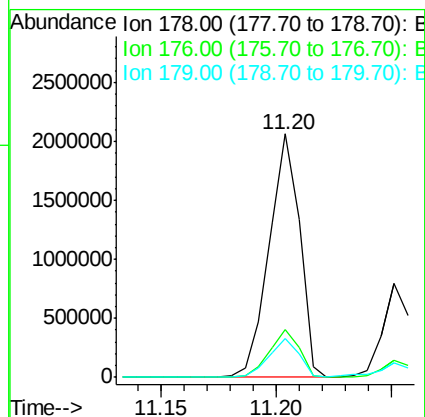
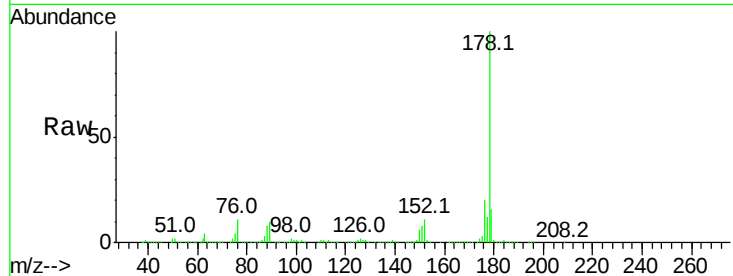
#70
Phenanthrene
Concen: 47.511 ng
RT: 11.20 min Scan# 1550
Delta R.T. -0.01 min
Lab File: BF098450.D
Acq: 12 Sep 2017 15:12

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-6DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.2	24.4
179	16.1	12.6	19.0

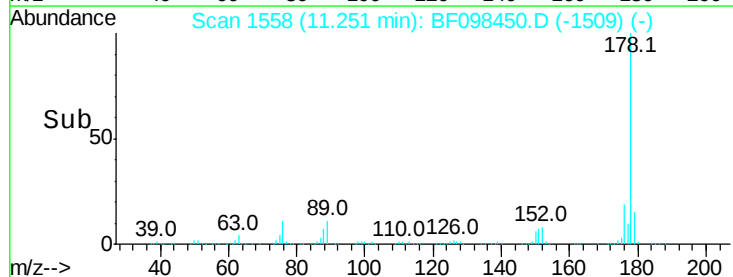
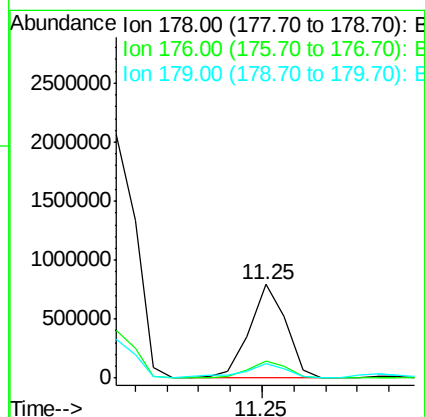
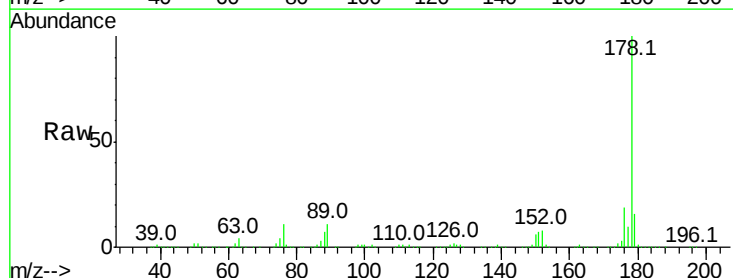
Manual Integrations
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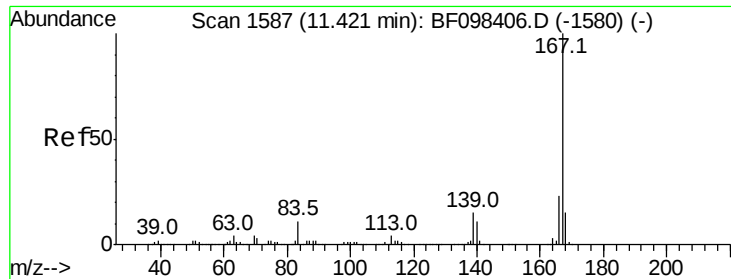
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#71
Anthracene
Concen: 15.372 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF098450.D
Acq: 12 Sep 2017 15:12

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	15.7	12.7	19.1





#72

Carbazole

Concen: 5.329 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF098450.D

Acq: 12 Sep 2017 15:12

Instrument :

BNA_F

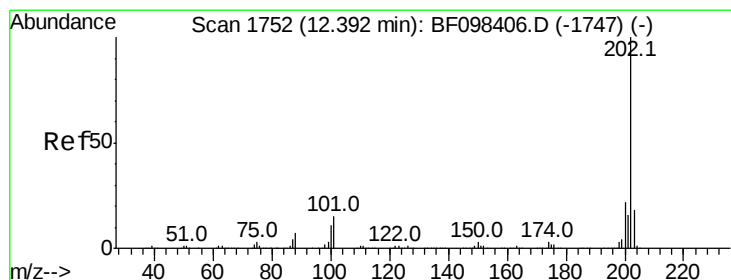
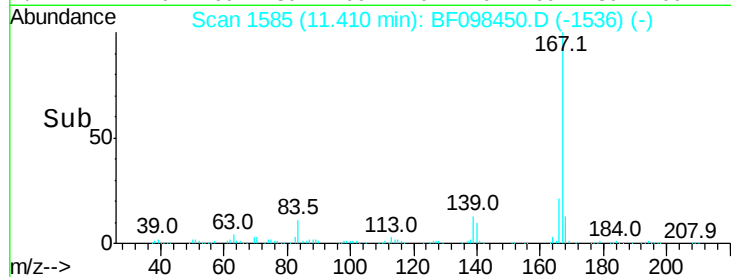
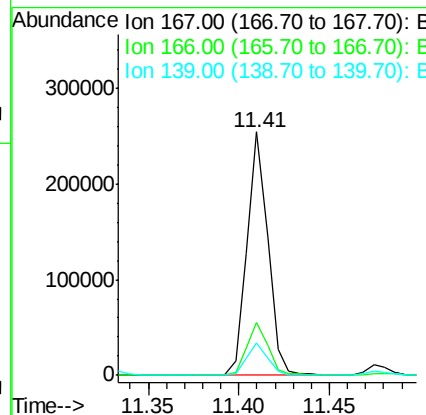
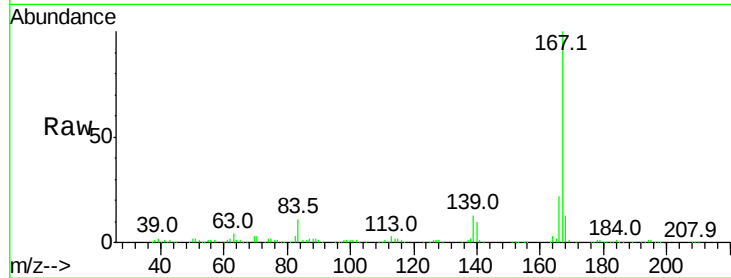
ClientSampleId :

NYSEG-PH4-ESMI2-6DL

Tot Ion:	167	Resp:	204354
Ion Ratio	Lower	Upper	
167	100		
166	21.6	18.1	27.1
139	13.4	11.7	17.5

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#74

Fluoranthene

Concen: 30.653 ng

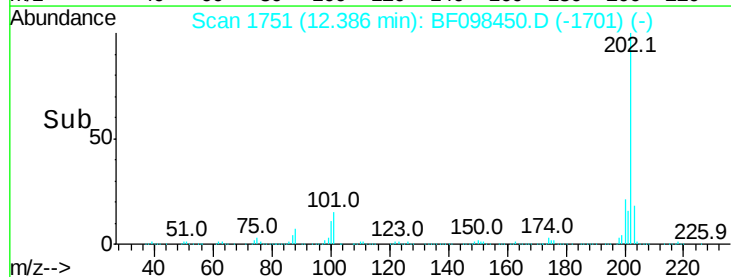
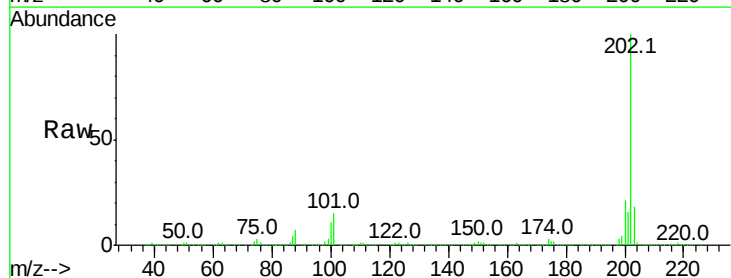
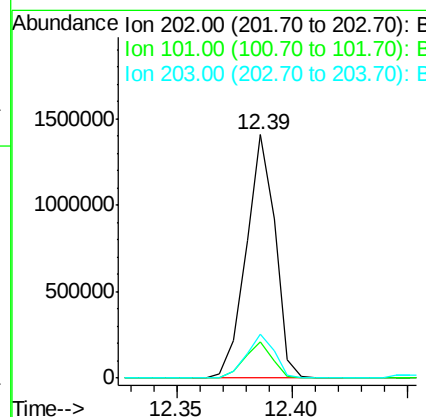
RT: 12.39 min Scan# 1751

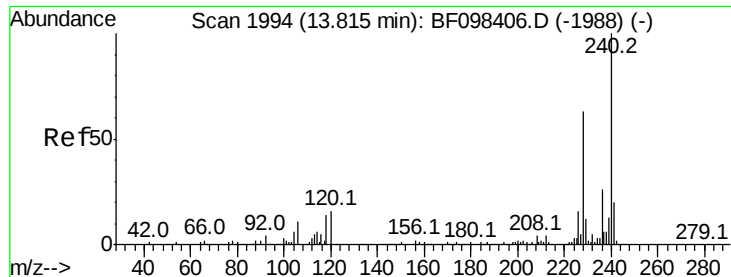
Delta R.T. -0.01 min

Lab File: BF098450.D

Acq: 12 Sep 2017 15:12

Tgt Ion:	202	Resp:	1229864
Ion Ratio	Lower	Upper	
202	100		
101	15.1	0.0	33.2
203	18.0	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.81 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BF098450.D

Acq: 12 Sep 2017 15:12

Instrument :

BNA_F

ClientSampleId :

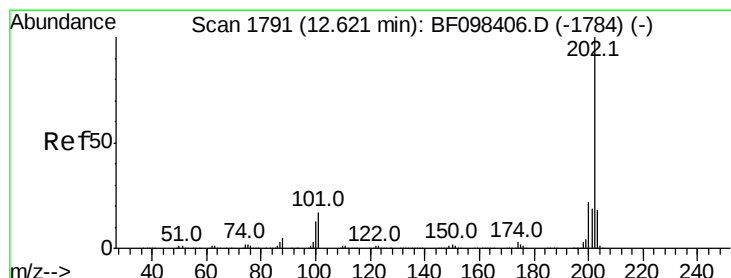
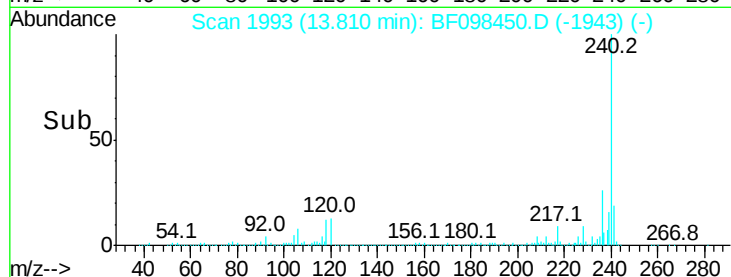
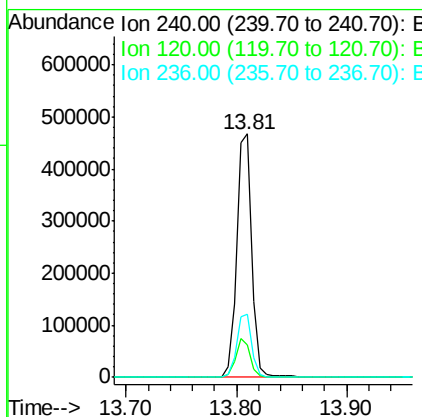
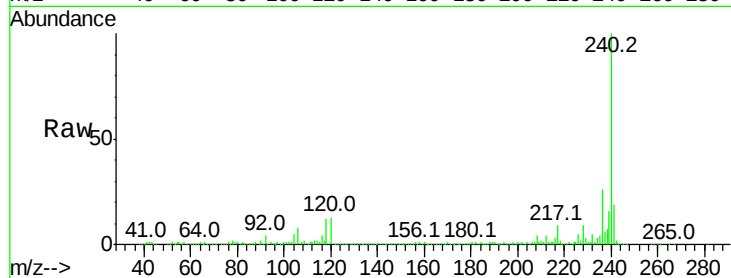
NYSEG-PH4-ESMI2-6DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.3	5.8	8.8#
236	25.9	20.5	30.7

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#77

Pyrene

Concen: 28.864 ng

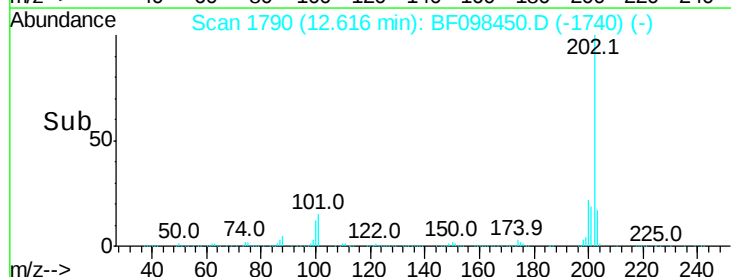
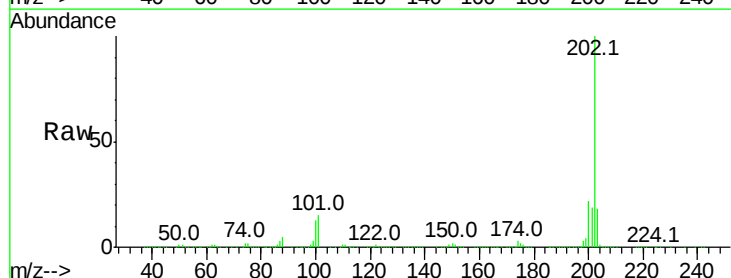
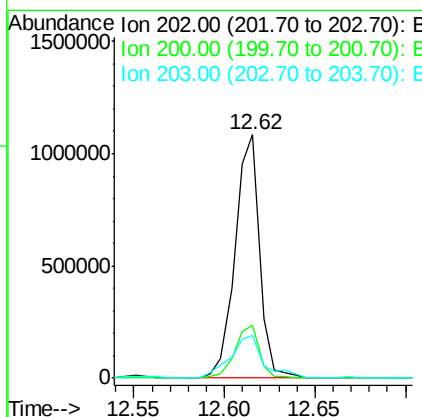
RT: 12.62 min Scan# 1790

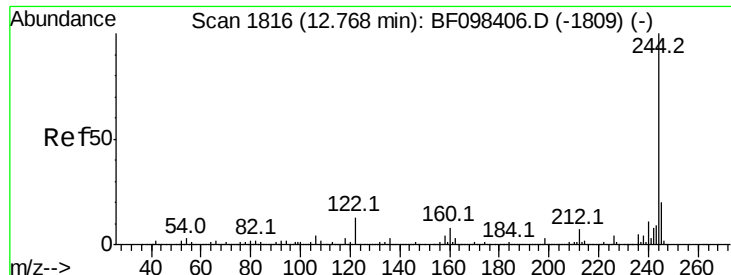
Delta R.T. -0.01 min

Lab File: BF098450.D

Acq: 12 Sep 2017 15:12

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.6	26.4
203	17.7	14.4	21.6





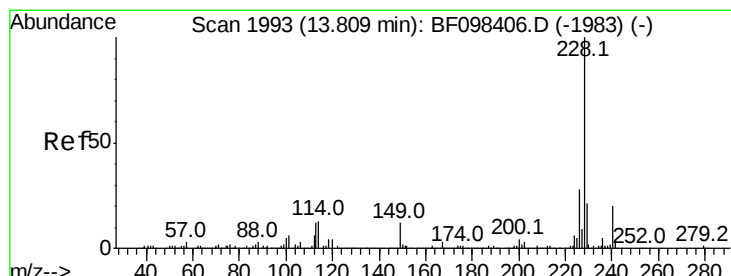
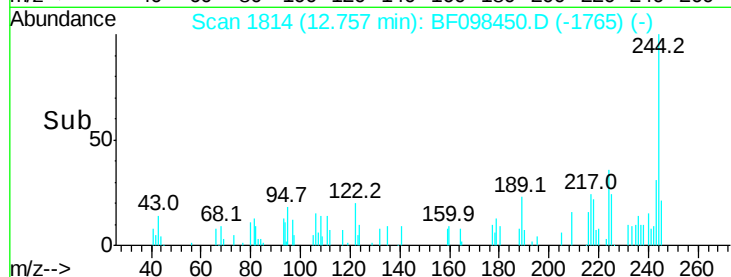
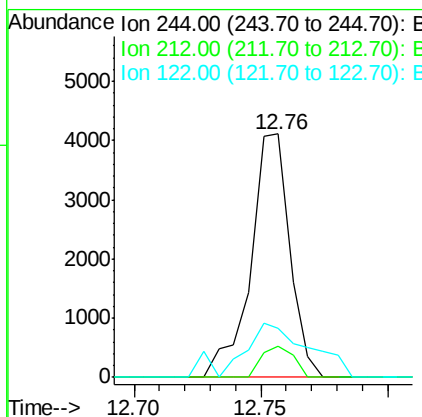
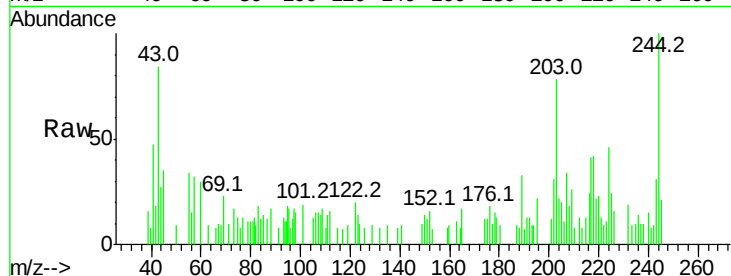
#78
 Terphenyl-d14
 Concen: 0.214 ng
 RT: 12.76 min Scan# 1814
 Delta R.T. -0.01 min
 Lab File: BF098450.D
 Acq: 12 Sep 2017 15:12

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI2-6DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	13.0	6.0	9.0#
122	19.9	10.3	15.5#

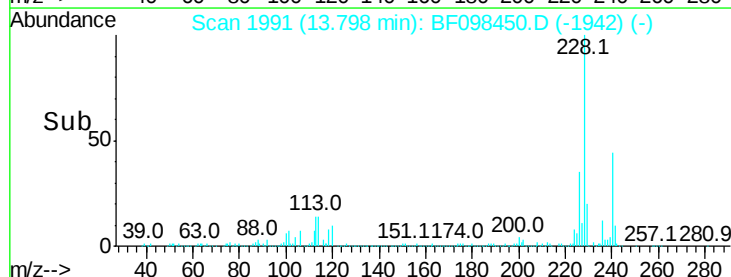
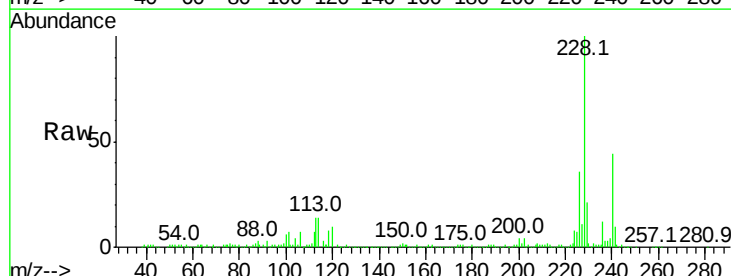
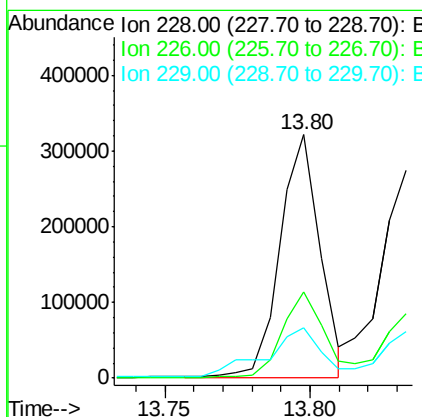
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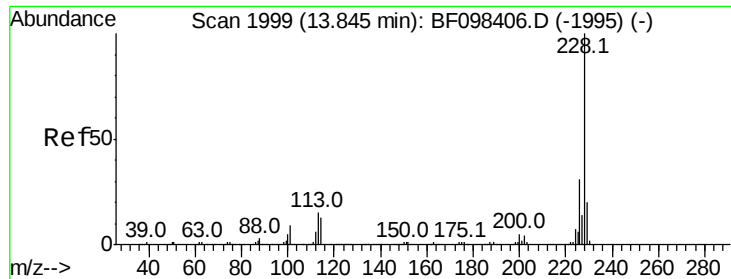
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#80
 Benzo(a)anthracene
 Concen: 11.761 ng m
 RT: 13.80 min Scan# 1991
 Delta R.T. -0.01 min
 Lab File: BF098450.D
 Acq: 12 Sep 2017 15:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.6	22.6	33.8#
229	20.5	16.3	24.5





#82

Chrysene

Concen: 10.247 ng

RT: 13.83 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BF098450.D

Acq: 12 Sep 2017 15:12

Instrument :

BNA_F

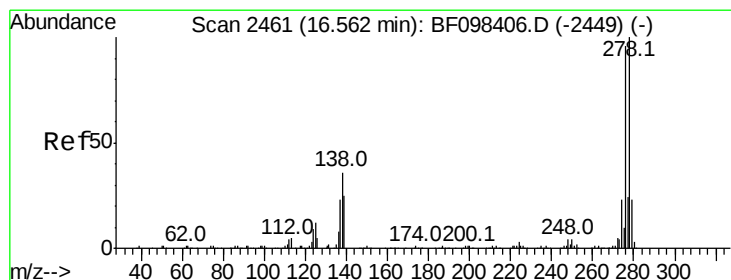
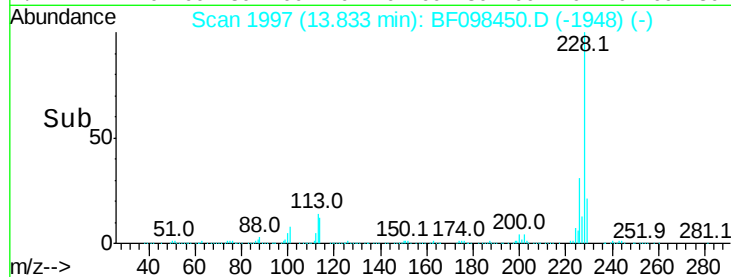
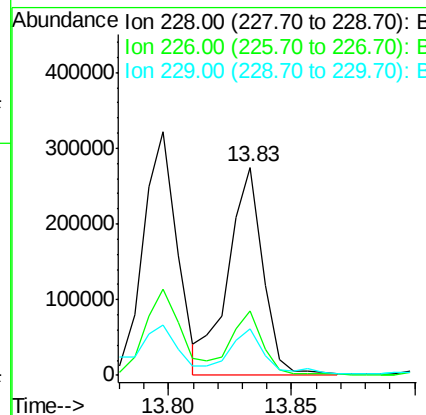
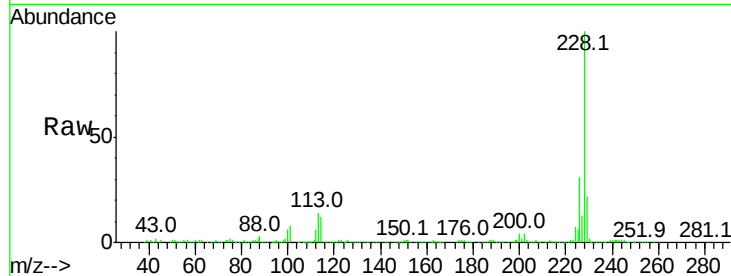
ClientSampleId :

NYSEG-PH4-ESMI2-6DL

Tot Ion:	228	Resp:	272066
Ion Ratio	Lower	Upper	
228	100		
226	31.0	24.9	37.3
229	22.2	15.8	23.6

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 6.494 ng

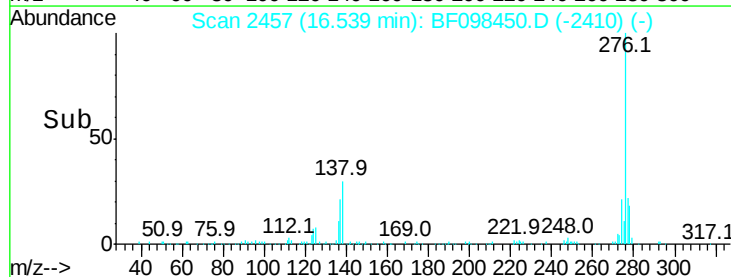
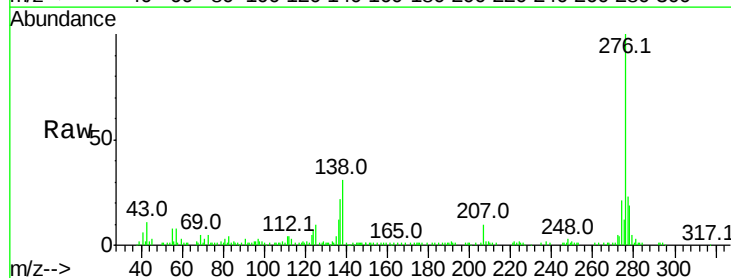
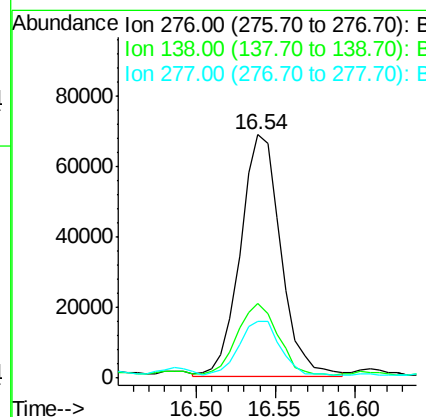
RT: 16.54 min Scan# 2457

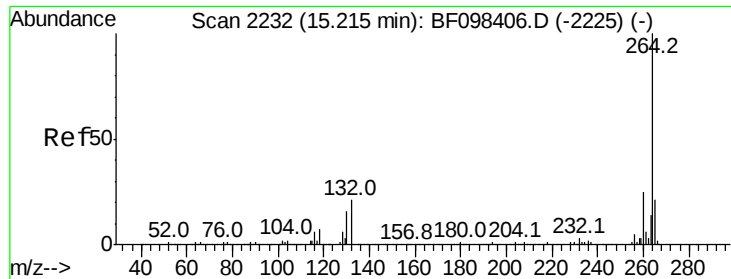
Delta R.T. -0.02 min

Lab File: BF098450.D

Acq: 12 Sep 2017 15:12

Tgt Ion:	276	Resp:	120974
Ion Ratio	Lower	Upper	
276	100		
138	30.1	27.8	41.6
277	23.6	20.2	30.4





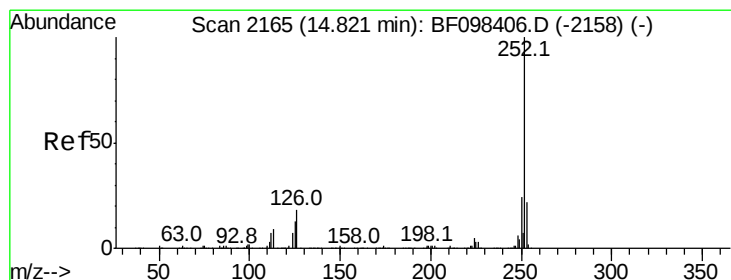
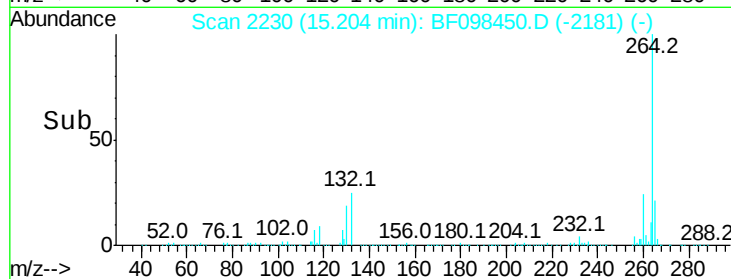
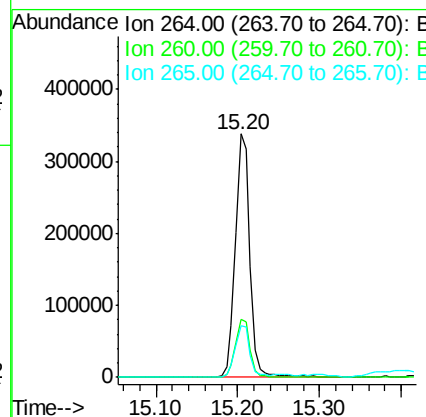
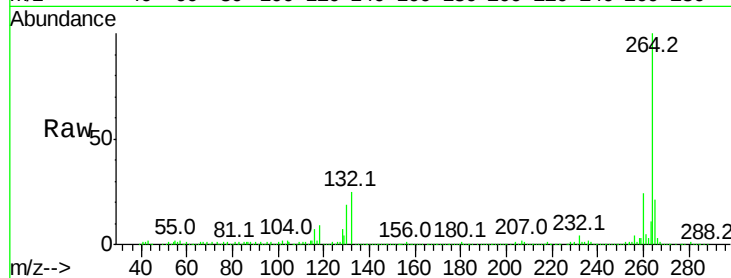
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF098450.D
Acq: 12 Sep 2017 15:12

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-6DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.5	29.3
265	21.4	17.2	25.8

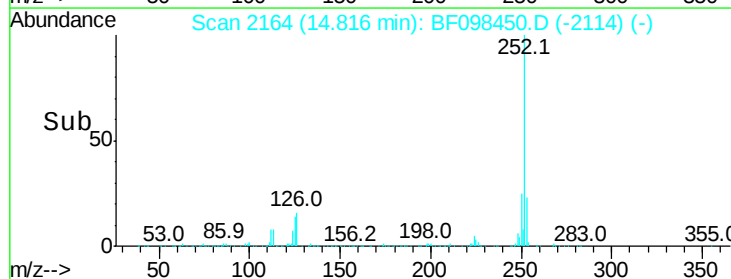
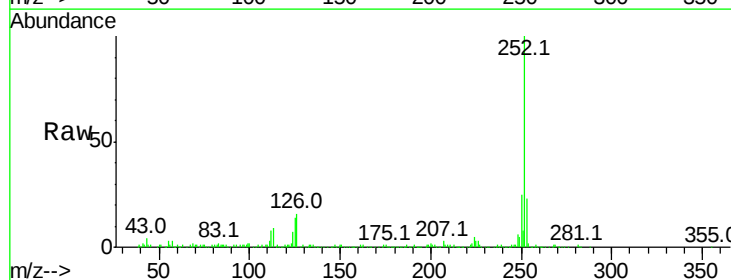
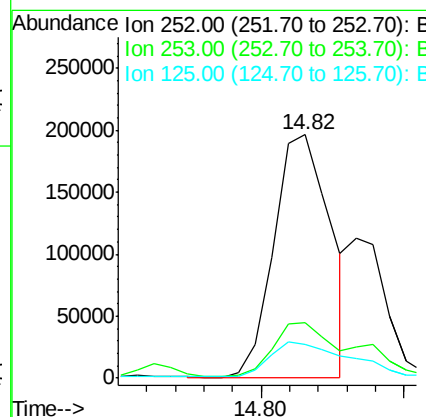
Manual Integrations
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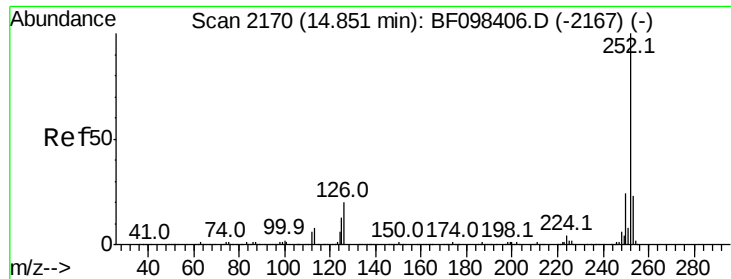
Sohil
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#87
Benzo(b)fluoranthene
Concen: 10.245 ng m
RT: 14.82 min Scan# 2164
Delta R.T. -0.01 min
Lab File: BF098450.D
Acq: 12 Sep 2017 15:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	14.0	9.8	14.8





#88

Benzo(k)fluoranthene

Concen: 4.312 ng

RT: 14.83 min Scan# 2167

Delta R.T. -0.02 min

Lab File: BF098450.D

Acq: 12 Sep 2017 15:12

Instrument :

BNA_F

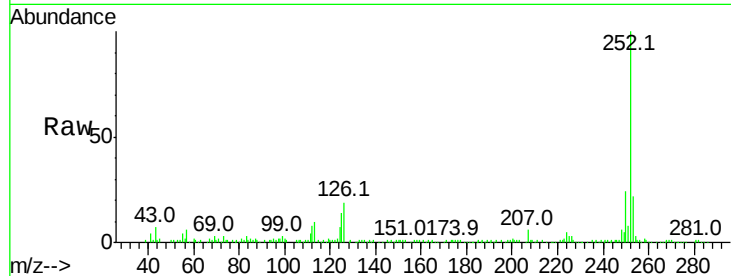
ClientSampleID :

NYSEG-PH4-ESMI2-6DL

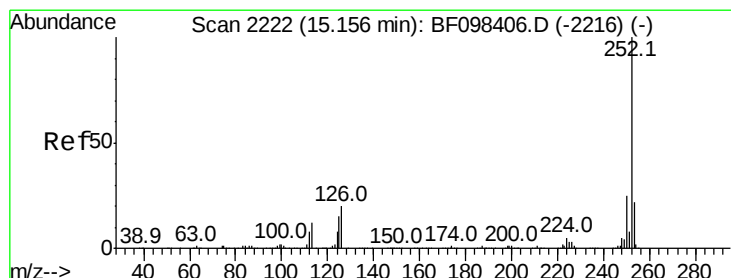
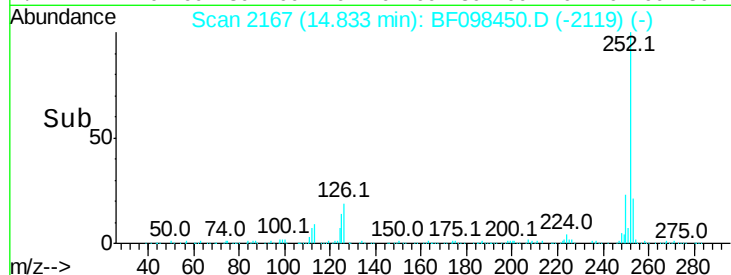
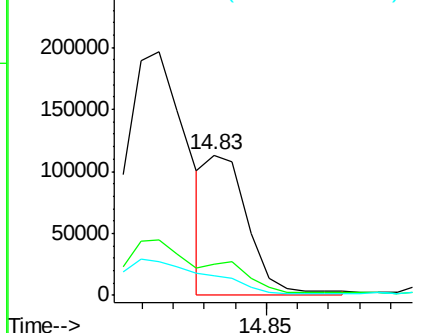
Tot Ion:	252	Resp:	105947
Ion Ratio	Lower	Upper	
252	100		
253	21.8	18.4	27.6
125	14.4	13.1	19.7

Manual Integrations
APPROVED

Sohil
9/13/2017 4:59:56 PM



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: 10.090 ng

RT: 15.15 min Scan# 2221

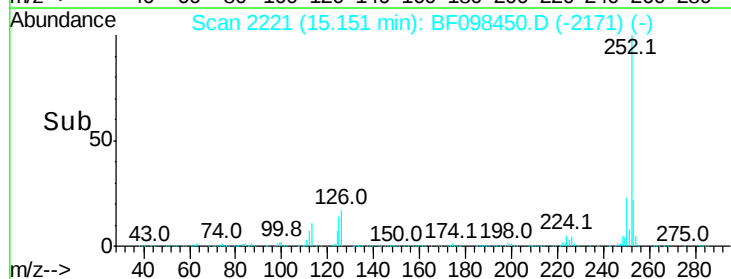
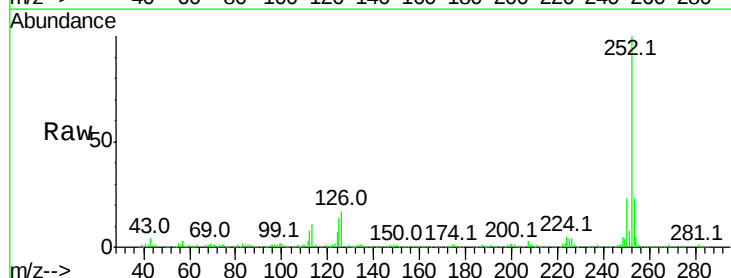
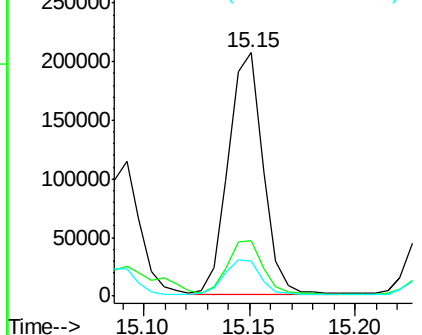
Delta R.T. -0.01 min

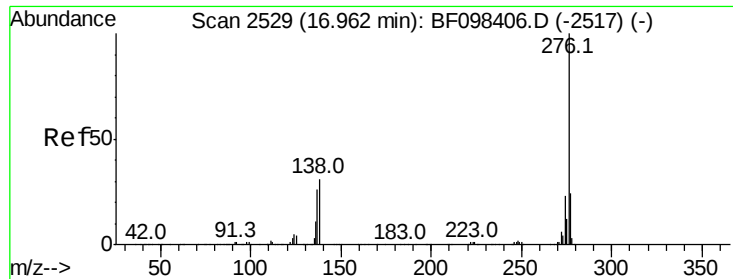
Lab File: BF098450.D

Acq: 12 Sep 2017 15:12

Tgt Ion:	252	Resp:	236585
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.5	26.3
125	14.2	11.0	16.4

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 6.462 ng

RT: 16.94 min Scan# 2526

Delta R.T. -0.02 min

Lab File: BF098450.D

Acq: 12 Sep 2017 15:12

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI2-6DL

Tot Ion:	276	Resp:	110854
Ion Ratio	Lower	Upper	
276	100		
277	24.4	18.6	28.0
138	33.8	25.4	38.0

Manual Integrations
APPROVED

Sohil

9/13/2017 4:59:56 PM

