

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091117\
 Data File : BF098439.D
 Acq On : 12 Sep 2017 8:51
 Operator : SJ/JU
 Sample : I5151-04DL 250X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI2-4DL

Manual Integrations
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 9/12/2017 6:02:25 PM

Quant Time: Sep 12 11:52:45 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	6.67	152	222459	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	904901	20.00	ng	0.00
38) Acenaphthene-d10	9.70	164	366217	20.00	ng	0.00
63) Phenanthrene-d10	11.18	188	534702	20.00	ng	0.00
75) Chrysene-d12	13.82	240	376940	20.00	ng	0.00
86) Perylene-d12	15.22	264	380107	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.30	112	5258	0.35	ng	0.02
7) Phenol-d6	6.34	99	8328	0.44	ng	0.02
23) Nitrobenzene-d5	7.24	82	4470	0.28	ng	0.00
41) 2,4,6-Tribromophenol	10.50	330	442	0.18	ng	0.00
44) 2-Fluorobiphenyl	9.02	172	9857	0.46	ng	-0.01
78) Terphenyl-d14	12.76	244	5686	0.33	ng	0.00

Target Compounds

						Qvalue
31) Naphthalene	7.97	128	2463222	55.063	ng	98
37) 2-Methylnaphthalene	8.66	142	407711	15.046	ng	99
45) 1,1'-Biphenyl	9.13	154	122391	3.734	ng	98
48) Acenaphthylene	9.56	152	87198	2.505	ng	96
51) Acenaphthene	9.73	154	449482	20.315	ng	98
54) Dibenzofuran	9.90	168	375753	12.891	ng	97
57) Fluorene	10.25	166	332378	13.777	ng	99
70) Phenanthrene	11.21	178	1402976	49.494	ng	99
71) Anthracene	11.26	178	505014	17.353	ng	98
72) Carbazole	11.42	167	139641	5.148	ng	97
74) Fluoranthene	12.39	202	852323	30.036	ng	98
77) Pyrene	12.62	202	716133	24.083	ng	98
80) Benzo(a)anthracene	13.80	228	257190m	11.638	ng	
82) Chrysene	13.84	228	207189	9.275	ng	96
85) Indeno(1,2,3-cd)pyrene	16.56	276	92024	5.872	ng	98
87) Benzo(b)fluoranthene	14.82	252	270802m	11.331	ng	
88) Benzo(k)fluoranthene	14.84	252	70351m	3.153	ng	
89) Benzo(a)pyrene	15.16	252	212646	9.987	ng	97
91) Benzo(a,h,i)perylene	16.96	276	86445	5.549	ng	95

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

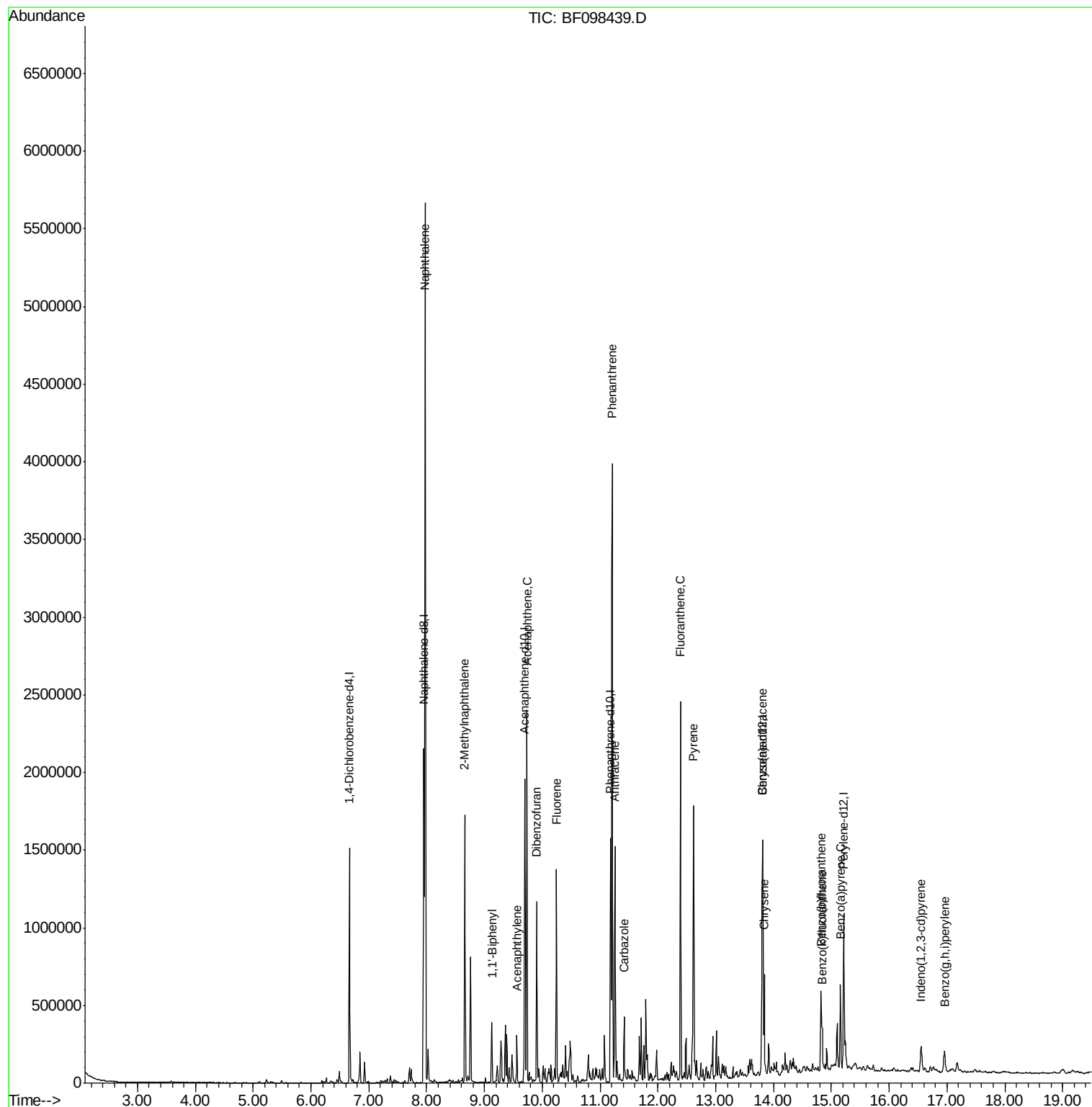
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF091117\
Data File : BF098439.D
Acq On : 12 Sep 2017 8:51
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ALS Vial : 27 Sample Multiplier: 1

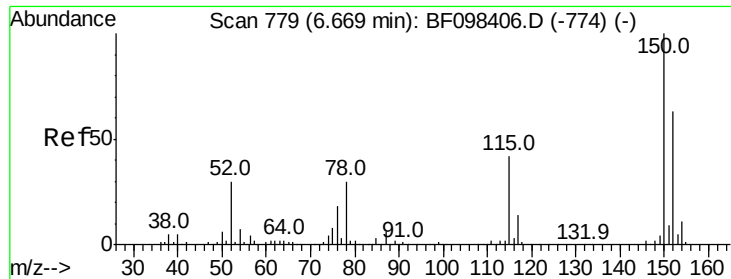
Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-4DL

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Quant Time: Sep 12 11:52:45 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

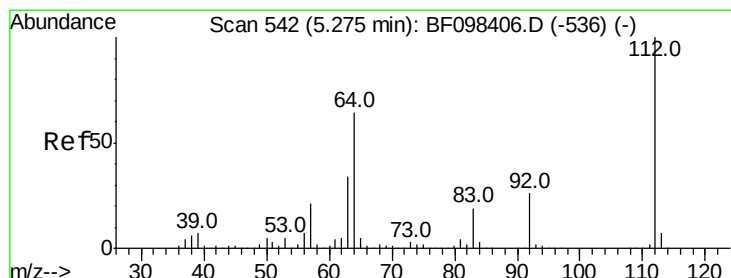
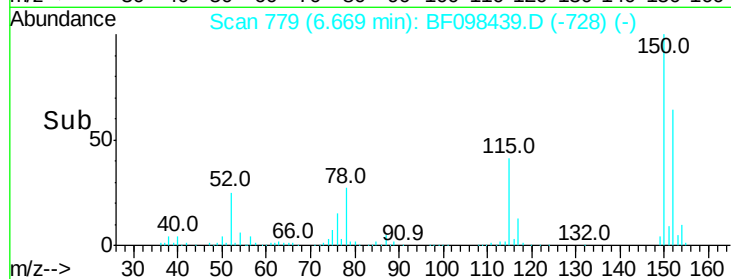
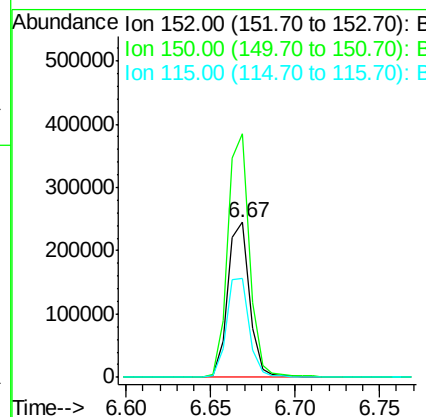
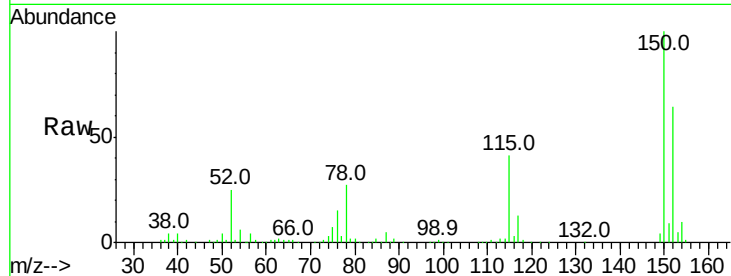
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. 0.00 min
Lab File: BF098439.D
Acq: 12 Sep 2017 8:51

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-4DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	126.2	189.2
115	64.2	52.2	78.2

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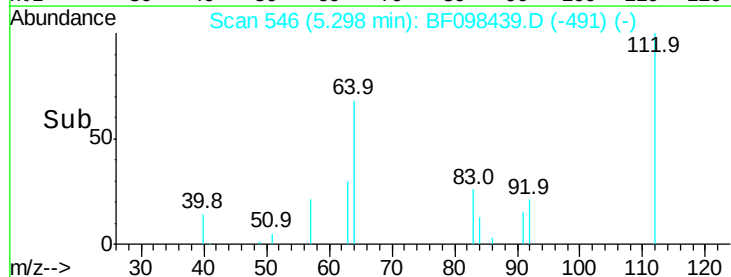
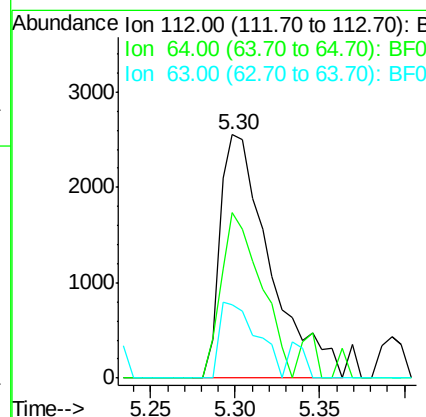
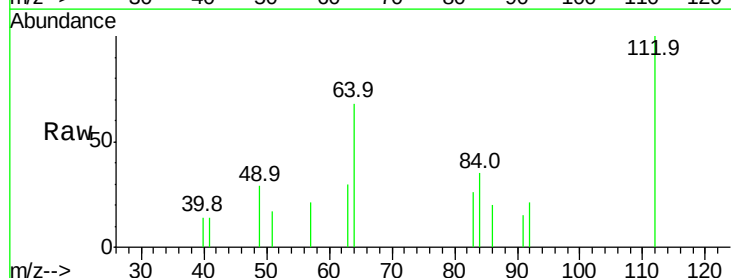
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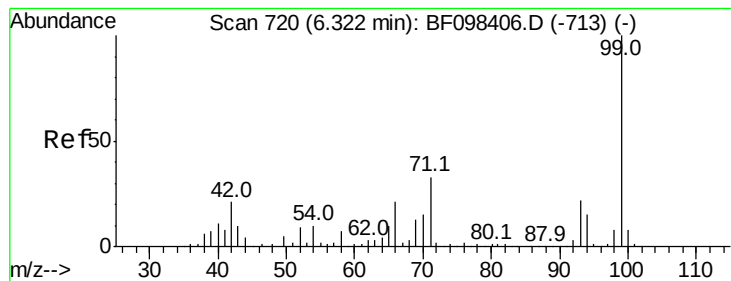


#5

2-Fluorophenol
Concen: 0.349 ng
RT: 5.30 min Scan# 546
Delta R.T. 0.02 min
Lab File: BF098439.D
Acq: 12 Sep 2017 8:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.1	46.0	69.0
63	30.1	23.4	35.0





#7

Phenol-d6

Concen: 0.436 ng

RT: 6.34 min Scan# 723

Delta R.T. 0.02 min

Lab File: BF098439.D

Acq: 12 Sep 2017 8:51

Instrument :

BNA_F

ClientSampleId :

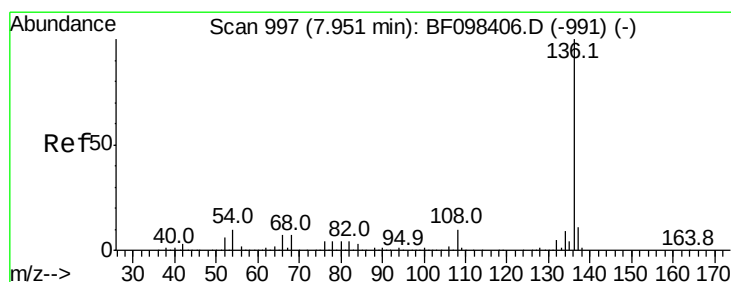
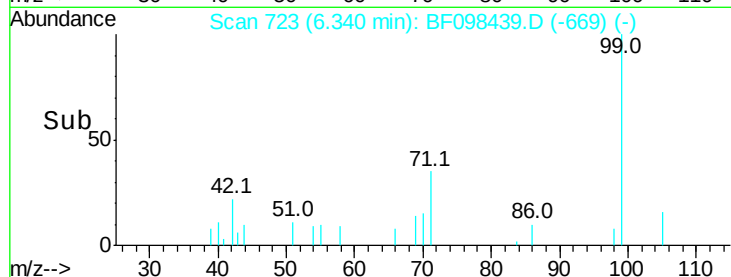
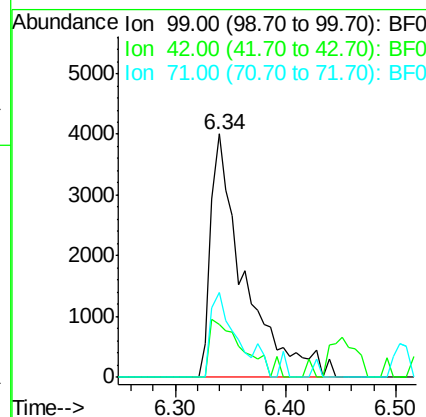
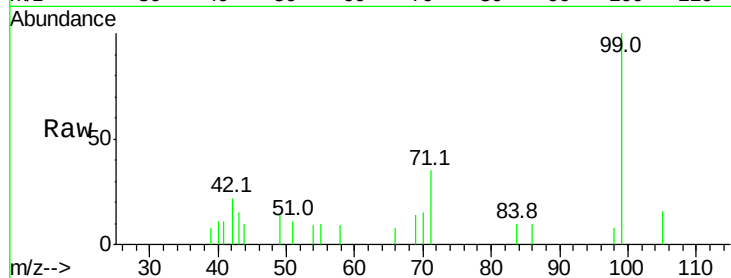
NYSEG-PH4-ESMI2-4DL

Tot Ion:	99	Resp:	8328
Ion Ratio	Lower	Upper	
99	100		
42	21.7	13.5	20.3#
71	34.8	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

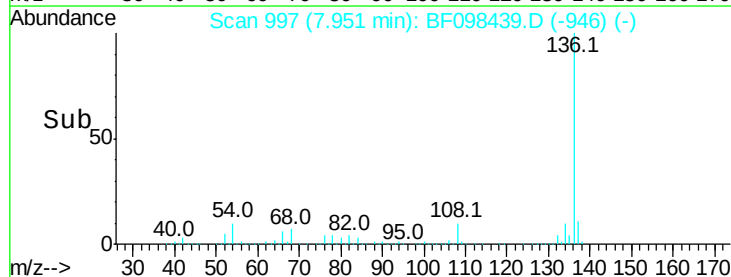
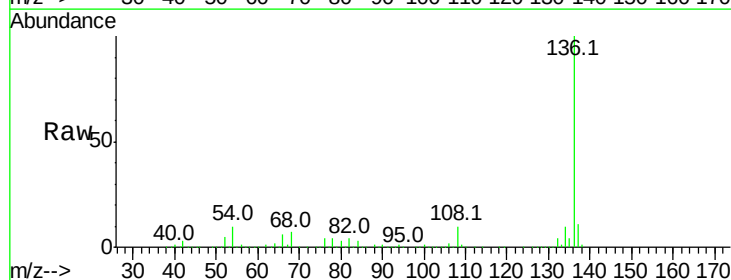
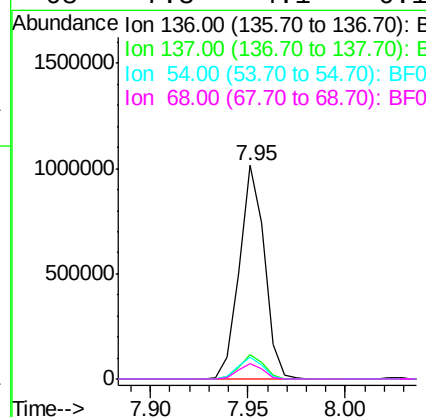
RT: 7.95 min Scan# 997

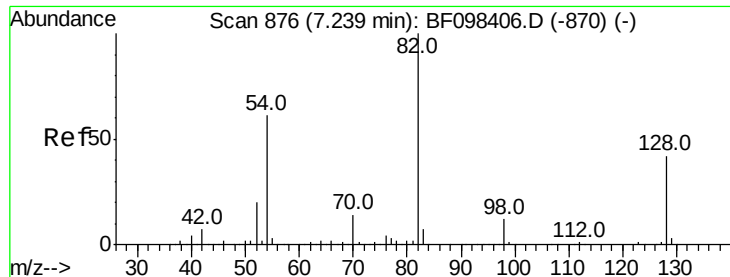
Delta R.T. 0.00 min

Lab File: BF098439.D

Acq: 12 Sep 2017 8:51

Tgt Ion:	136	Resp:	904901
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.5	12.7
54	10.4	4.9	7.3#
68	7.3	4.1	6.1#





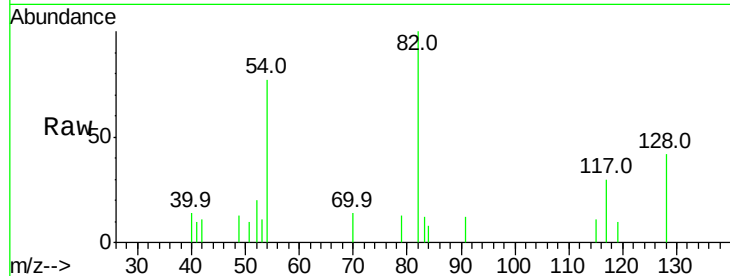
#23
Nitrobenzene-d5
Concen: 0.275 ng
RT: 7.24 min Scan# 876
Delta R.T. 0.00 min
Lab File: BF098439.D
Acq: 12 Sep 2017 8:51

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-4DL

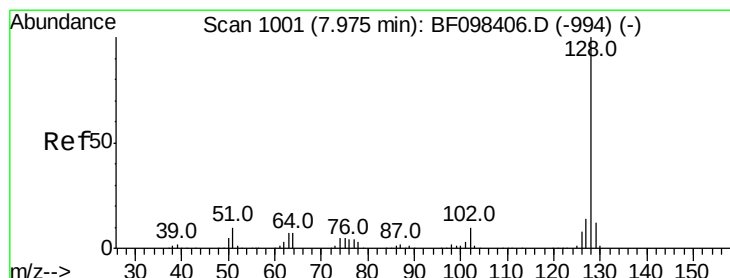
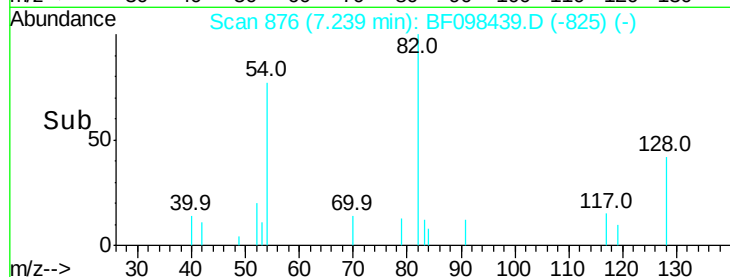
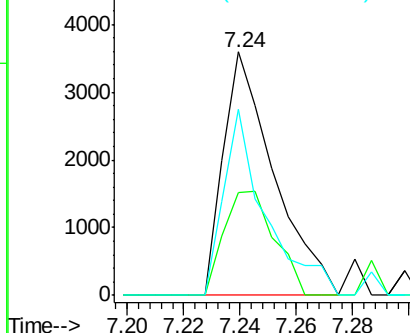
Tot Ion	Ratio	Lower	Upper
82	100		
128	42.1	34.0	51.0
54	76.5	42.2	63.2

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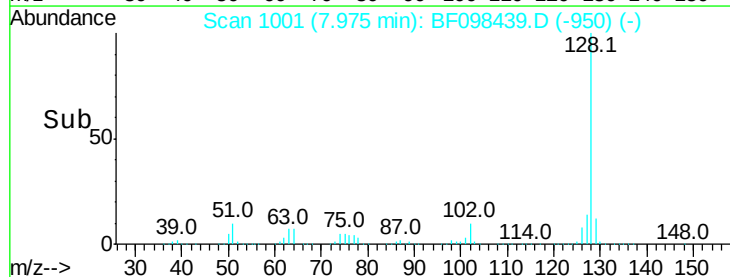
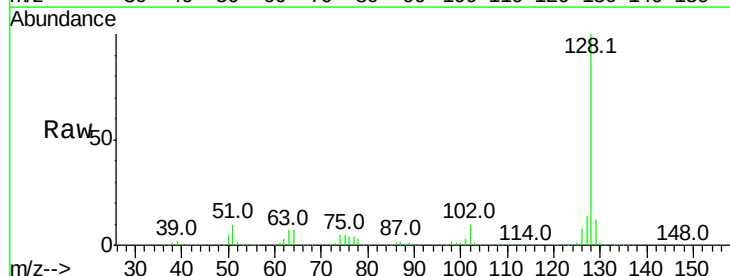
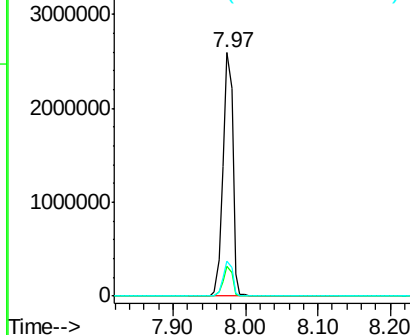
Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

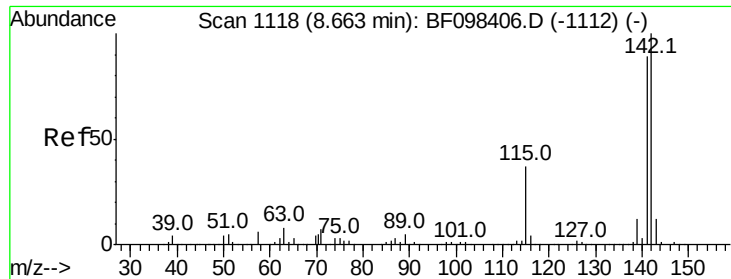


#31
Naphthalene
Concen: 55.063 ng
RT: 7.97 min Scan# 1001
Delta R.T. 0.00 min
Lab File: BF098439.D
Acq: 12 Sep 2017 8:51

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.0	9.0	13.6
127	14.2	10.8	16.2

Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





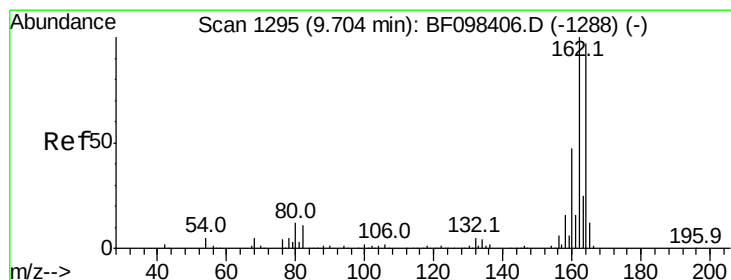
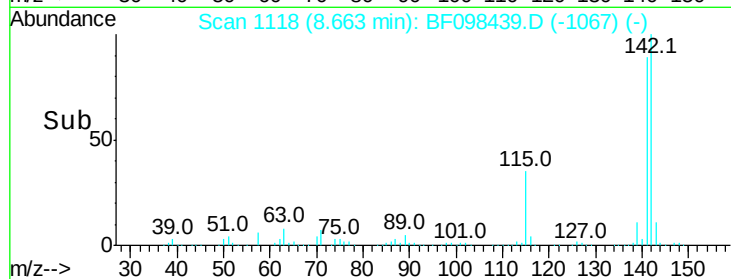
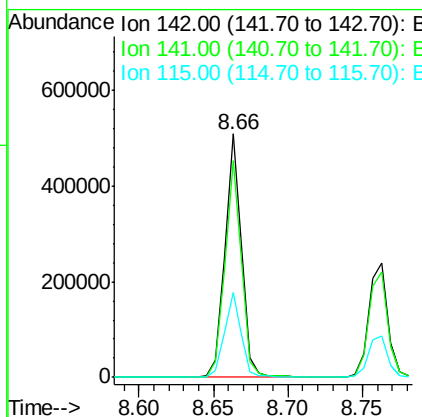
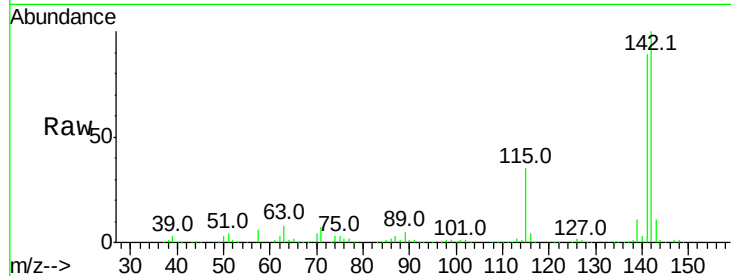
#37
2-Methylnaphthalene
Concen: 15.046 ng
RT: 8.66 min Scan# 1118
Delta R.T. 0.00 min
Lab File: BF098439.D
Acq: 12 Sep 2017 8:51

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-4DL

Tot Ion	Ratio	Resp	Lower	Upper
142	100	407711		
141	88.9	71.3	106.9	
115	35.1	27.1	40.7	

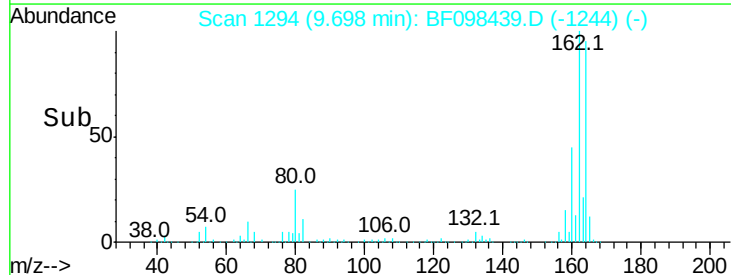
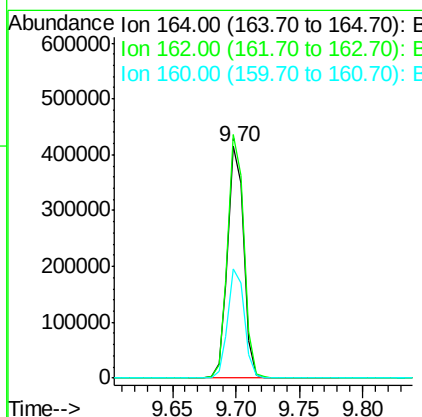
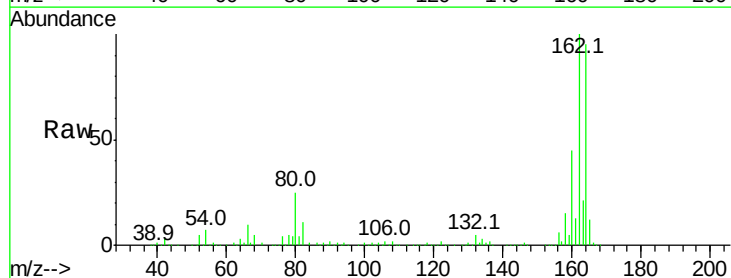
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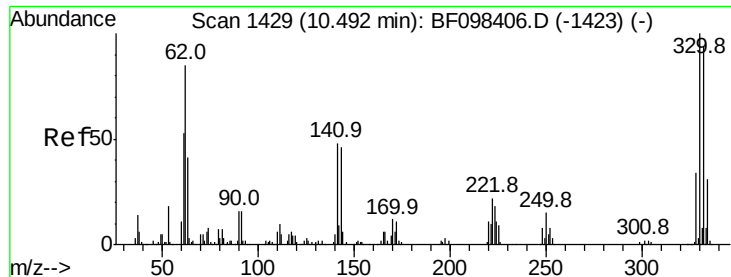
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BF098439.D
Acq: 12 Sep 2017 8:51

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	366217		
162	105.1	82.6	123.8	
160	47.0	36.2	54.2	





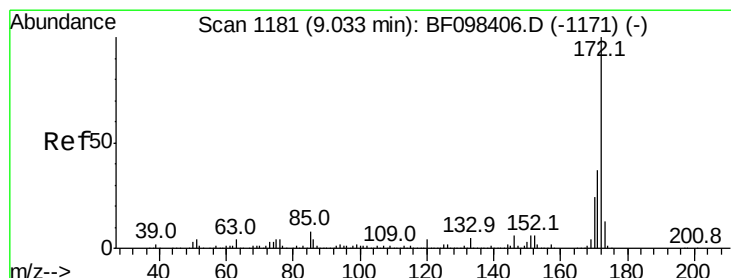
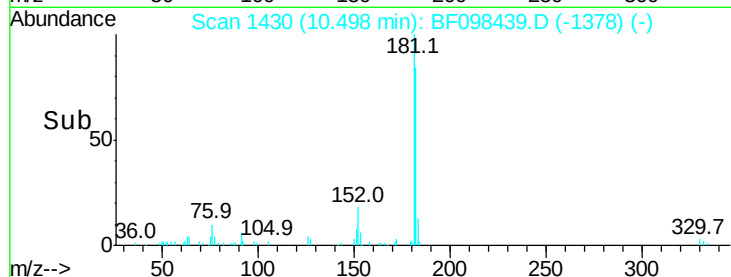
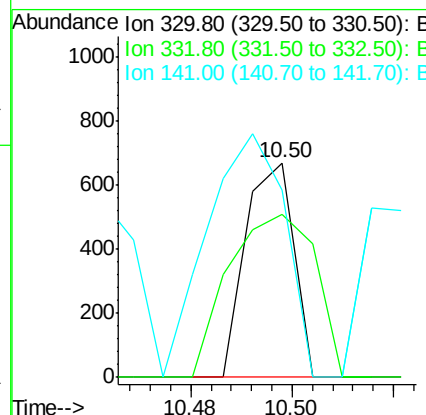
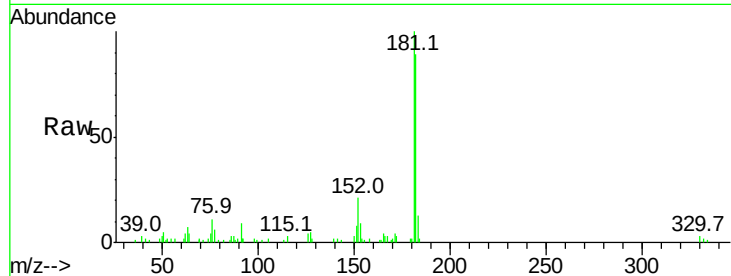
#41
 2,4,6-Tribromophenol
 Concen: 0.181 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. 0.01 min
 Lab File: BF098439.D
 Acq: 12 Sep 2017 8:51

Instrument :
 BNA_F
 ClientSampleID :
 NYSEG-PH4-ESMI2-4DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	136.4	76.6	115.0#
141	182.8	31.4	47.2#

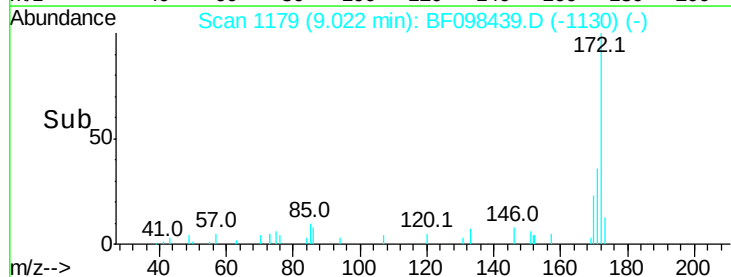
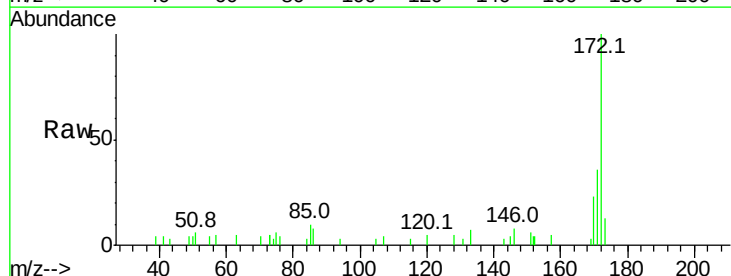
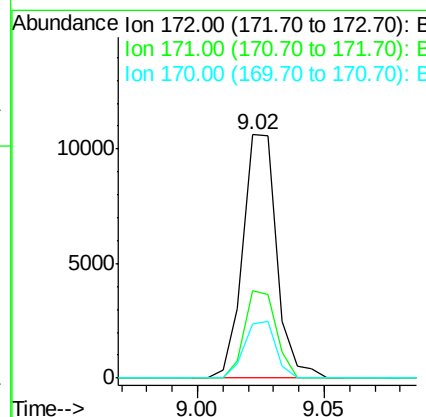
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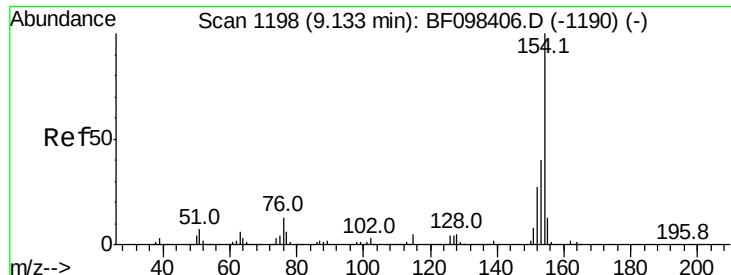
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#44
 2-Fluorobiphenyl
 Concen: 0.456 ng
 RT: 9.02 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: BF098439.D
 Acq: 12 Sep 2017 8:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	22.5	19.8	29.8





#45

1,1'-Biphenyl

Concen: 3.734 ng

RT: 9.13 min Scan# 1197

Delta R.T. -0.01 min

Lab File: BF098439.D

Acq: 12 Sep 2017 8:51

Instrument :

BNA_F

ClientSampleId :

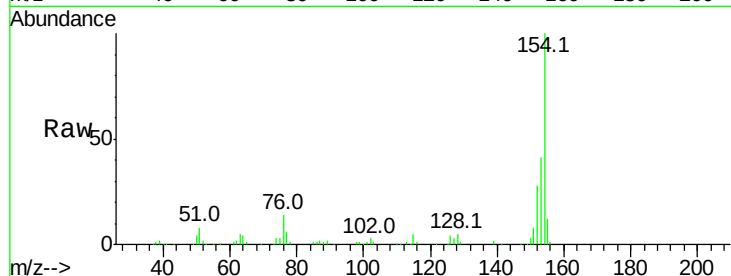
NYSEG-PH4-ESMI2-4DL

Tot Ion:	154	Resp:	122391
Ion Ratio	Lower	Upper	
154	100		
153	40.9	21.2	61.2
76	13.9	0.0	29.9

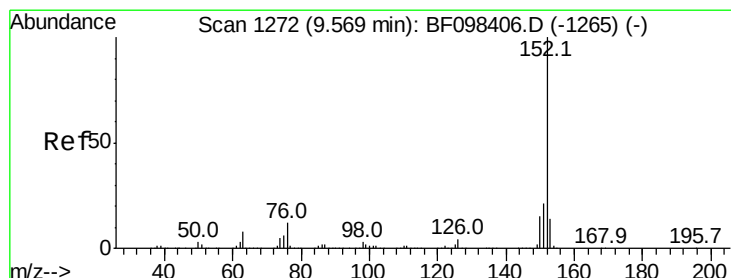
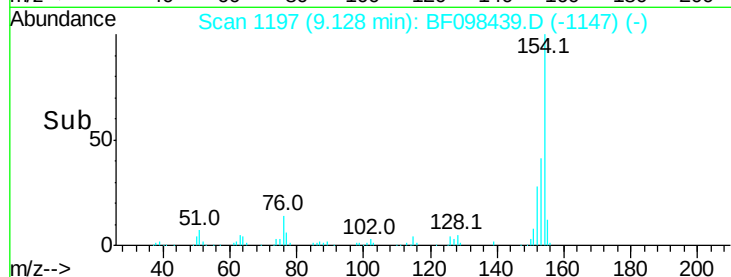
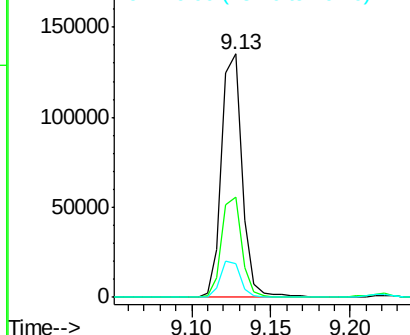
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0



#48

Acenaphthylene

Concen: 2.505 ng

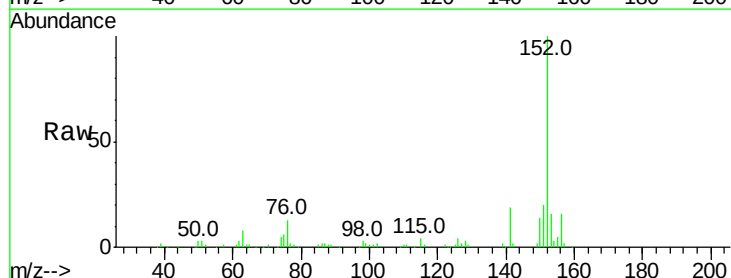
RT: 9.56 min Scan# 1271

Delta R.T. -0.01 min

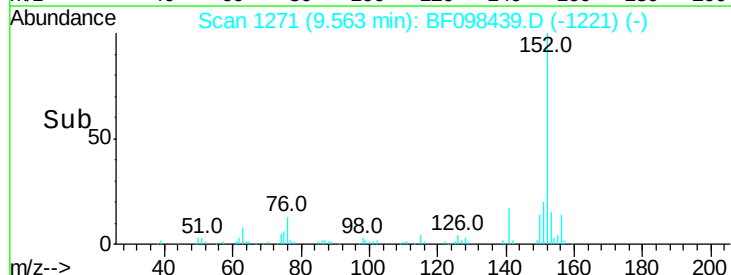
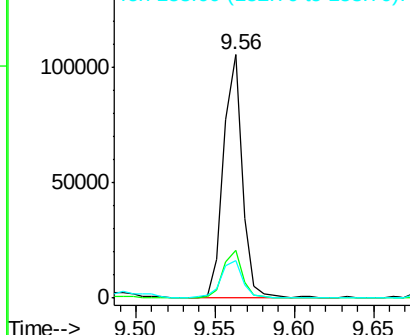
Lab File: BF098439.D

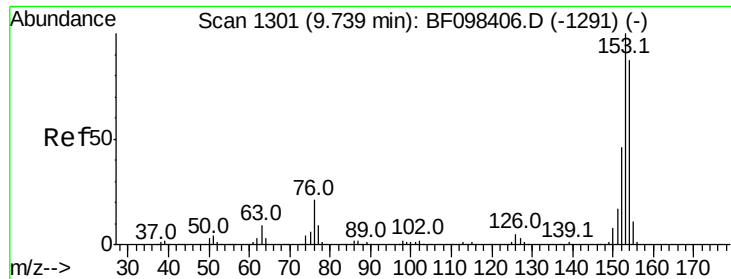
Acq: 12 Sep 2017 8:51

Tgt Ion:	152	Resp:	87198
Ion Ratio	Lower	Upper	
152	100		
151	19.7	16.8	25.2
153	15.7	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





#51

Acenaphthene

Concen: 20.315 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF098439.D

Acq: 12 Sep 2017 8:51

Instrument :

BNA_F

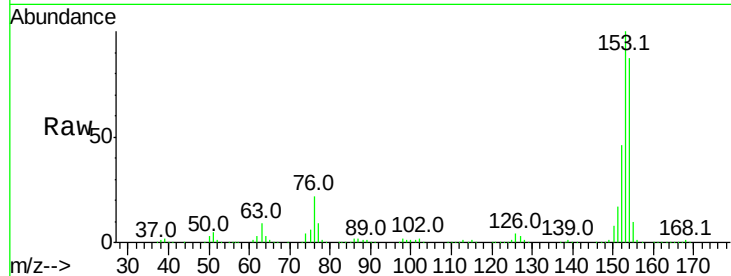
ClientSampleId :

NYSEG-PH4-ESMI2-4DL

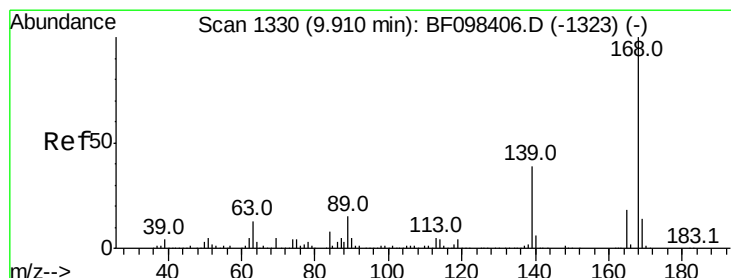
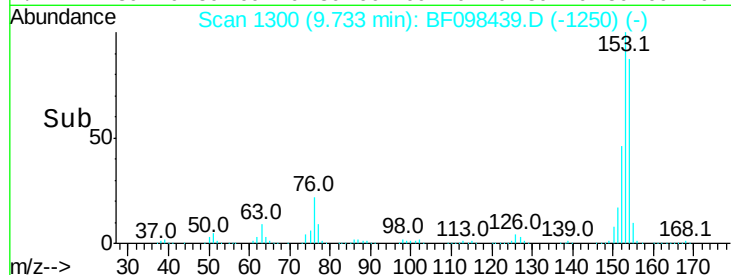
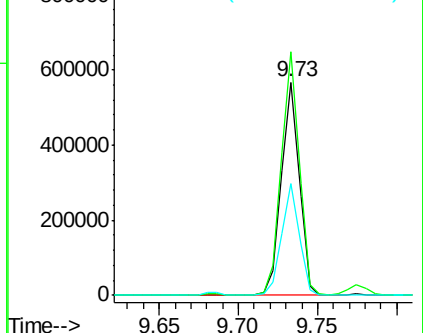
Tot Ion:	154	Resp:	449482
Ion Ratio	Lower	Upper	
154	100		
153	114.3	90.5	135.7
152	52.6	43.6	65.4

Manual Integrations
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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: 12.891 ng

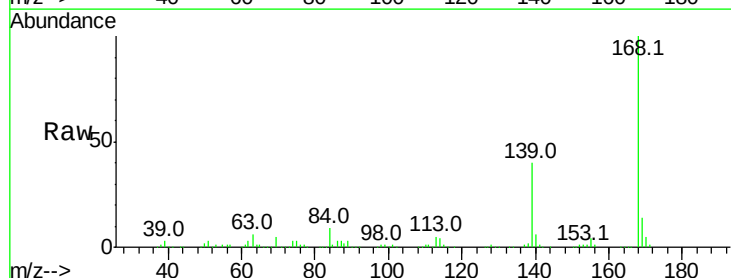
RT: 9.90 min Scan# 1329

Delta R.T. -0.01 min

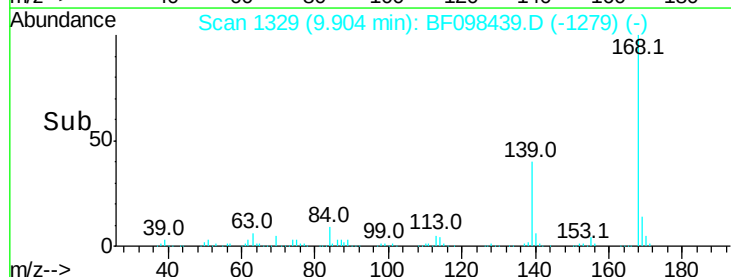
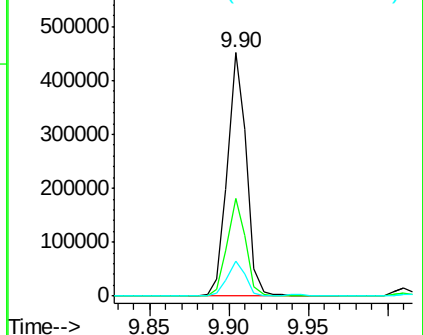
Lab File: BF098439.D

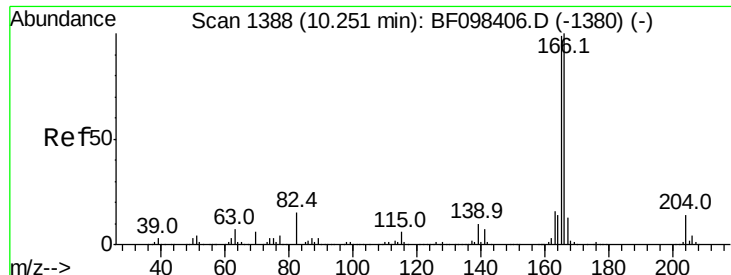
Acq: 12 Sep 2017 8:51

Tgt Ion:	168	Resp:	375753
Ion Ratio	Lower	Upper	
168	100		
139	40.0	30.6	45.8
169	14.4	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





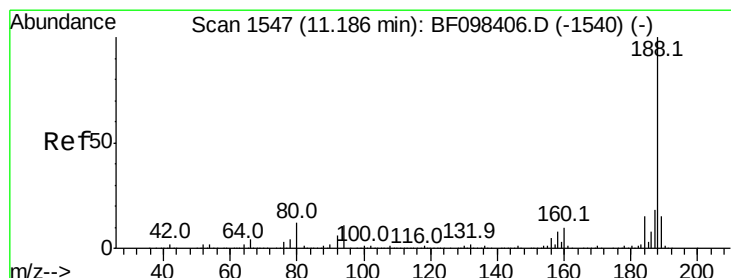
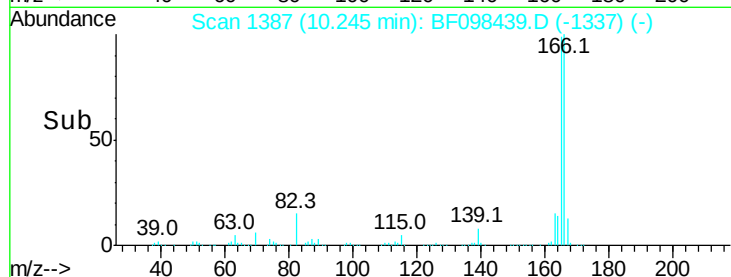
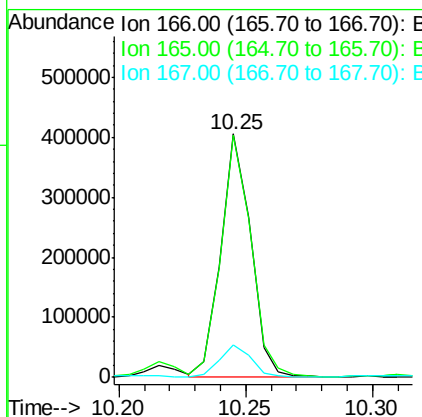
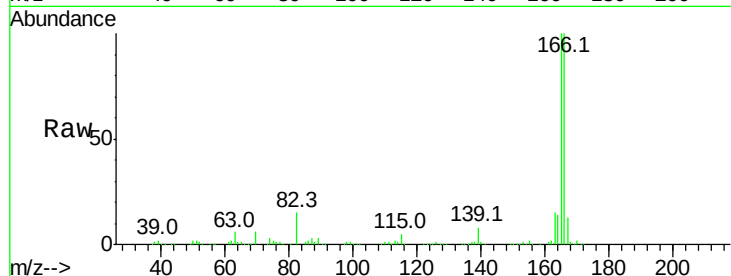
#57
Fluorene
 Concen: 13.777 ng
 RT: 10.25 min Scan# 1387
 Delta R.T. -0.01 min
 Lab File: BF098439.D
 Acq: 12 Sep 2017 8:51

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI2-4DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.5	78.8	118.2
167	13.4	10.6	16.0

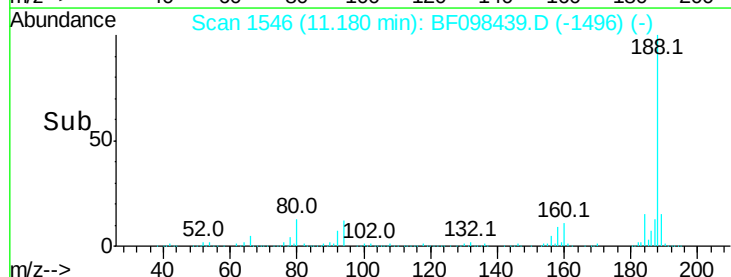
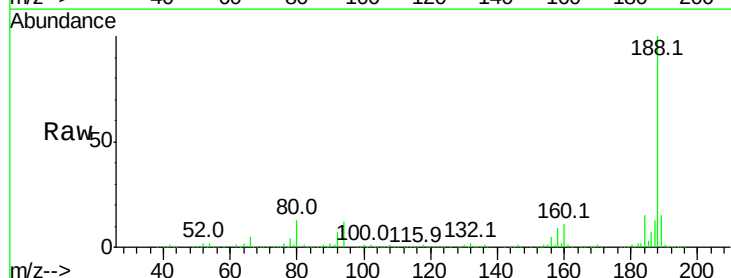
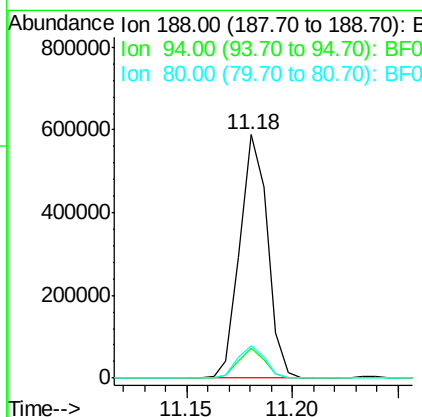
Manual Integrations
 APPROVED

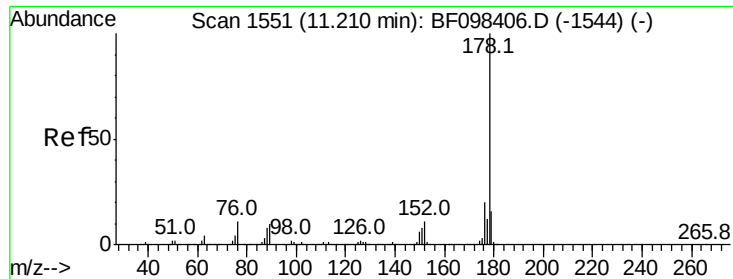
Sohil
 9/12/2017 6:02:25 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.18 min Scan# 1546
 Delta R.T. -0.01 min
 Lab File: BF098439.D
 Acq: 12 Sep 2017 8:51

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.3	9.4	14.2
80	13.3	10.2	15.2





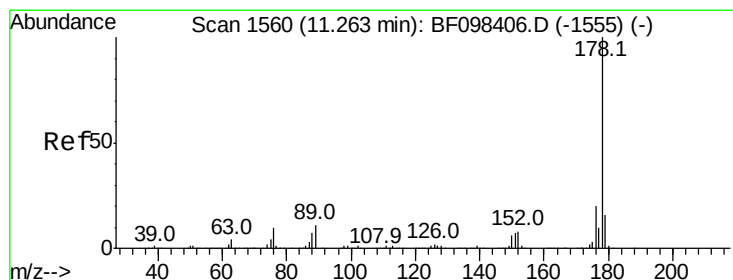
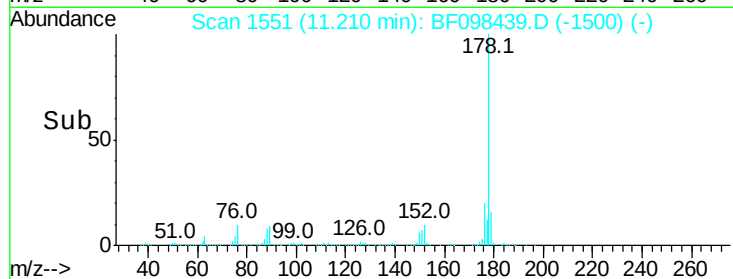
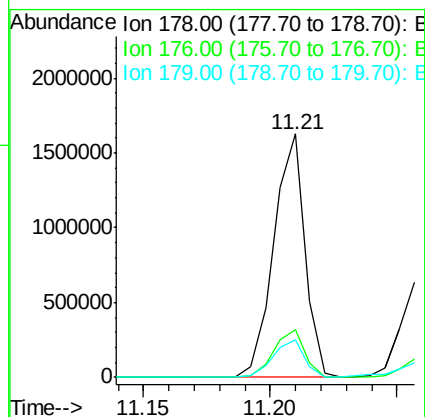
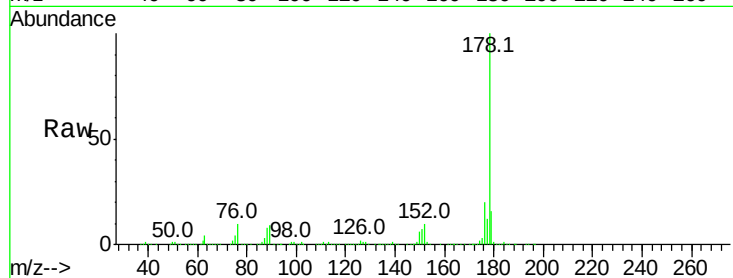
#70
Phenanthrene
Concen: 49.494 ng
RT: 11.21 min Scan# 1551
Delta R.T. 0.00 min
Lab File: BF098439.D
Acq: 12 Sep 2017 8:51

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-4DL

Tot Ion:178 Resp: 1402976
Ion Ratio Lower Upper
178 100
176 19.8 16.2 24.4
179 15.6 12.6 19.0

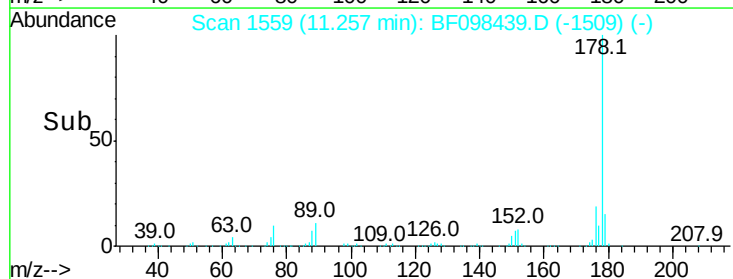
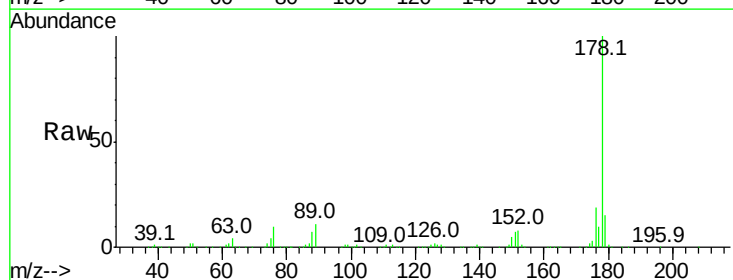
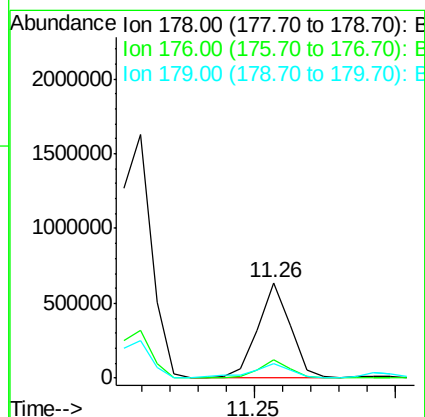
Manual Integrations
APPROVED

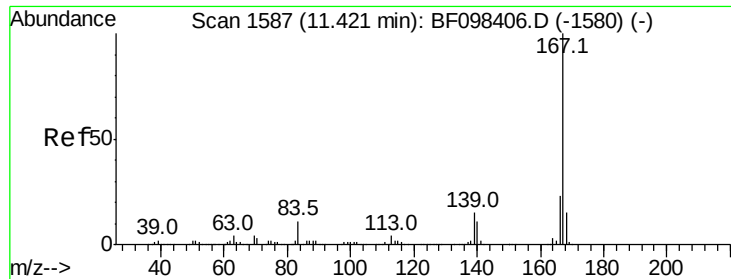
Sohil
9/12/2017 6:02:25 PM



#71
Anthracene
Concen: 17.353 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF098439.D
Acq: 12 Sep 2017 8:51

Tgt Ion:178 Resp: 505014
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.8
179 15.4 12.7 19.1





#72

Carbazole

Concen: 5.148 ng

RT: 11.42 min Scan# 1586

Delta R.T. -0.01 min

Lab File: BF098439.D

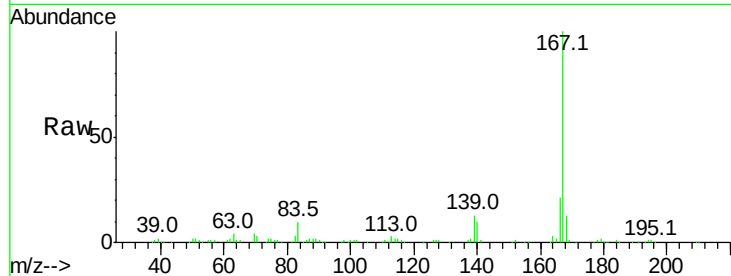
Acq: 12 Sep 2017 8:51

Instrument :

BNA_F

ClientSampleId :

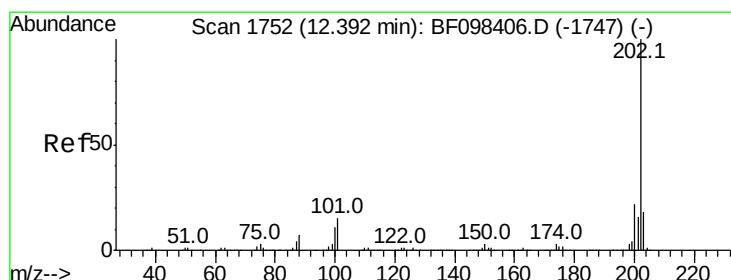
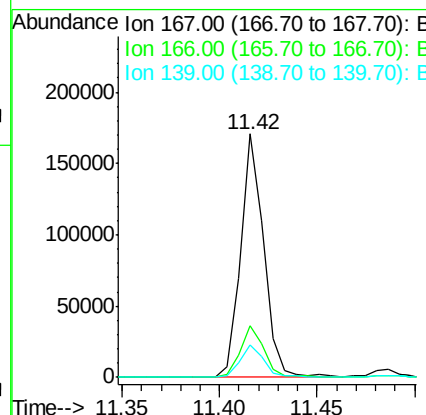
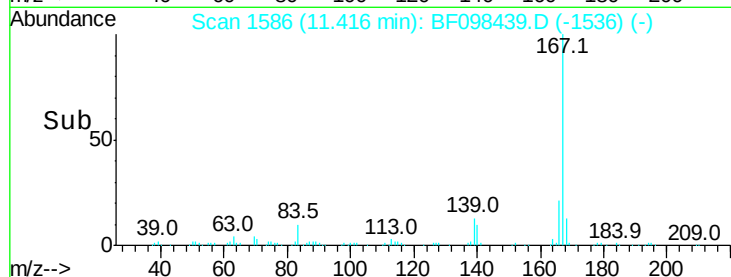
NYSEG-PH4-ESMI2-4DL



Tot Ion	Ratio	Lower	Upper
167	100		
166	21.0	18.1	27.1
139	13.4	11.7	17.5

Manual Integrations
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#74

Fluoranthene

Concen: 30.036 ng

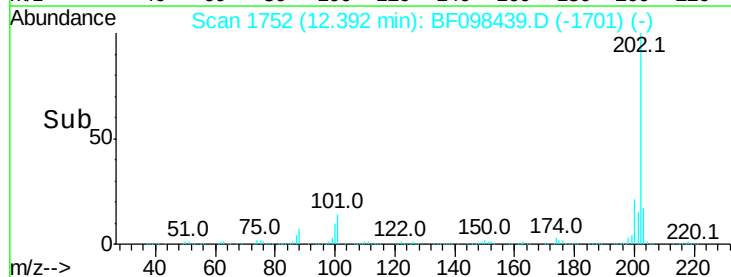
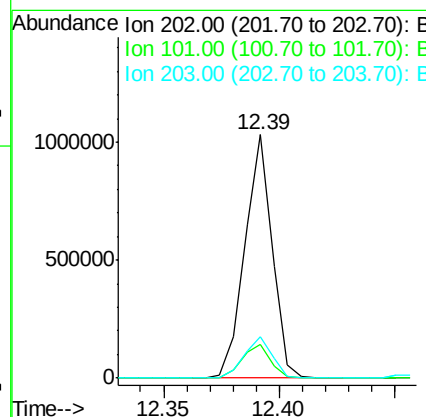
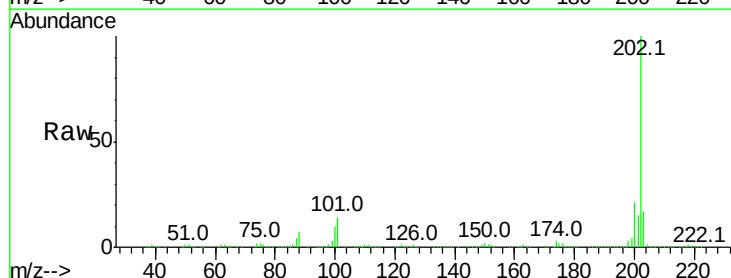
RT: 12.39 min Scan# 1752

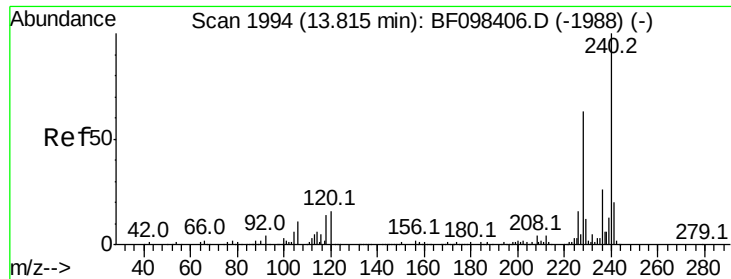
Delta R.T. 0.00 min

Lab File: BF098439.D

Acq: 12 Sep 2017 8:51

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.8	0.0	33.2
203	17.2	0.0	38.1





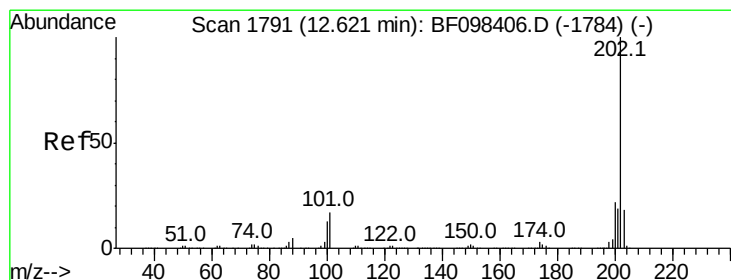
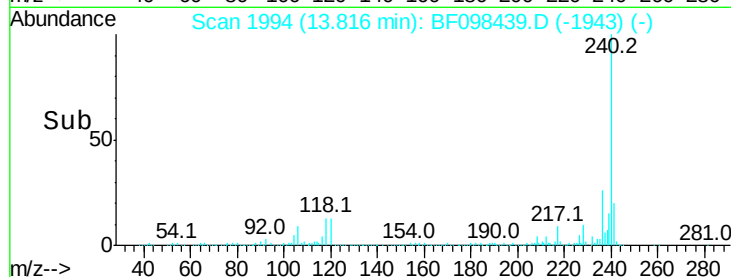
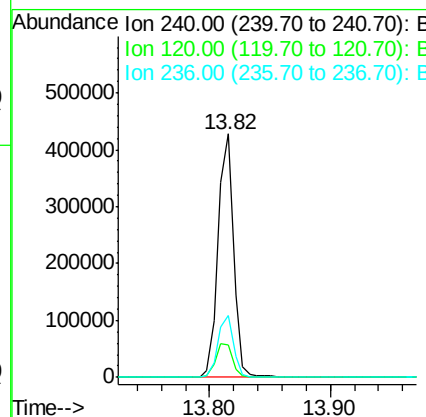
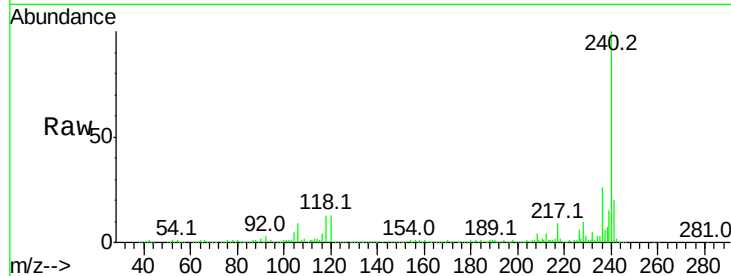
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.82 min Scan# 1994
Delta R.T. 0.00 min
Lab File: BF098439.D
Acq: 12 Sep 2017 8:51

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-4DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.4	5.8	8.8#
236	25.7	20.5	30.7

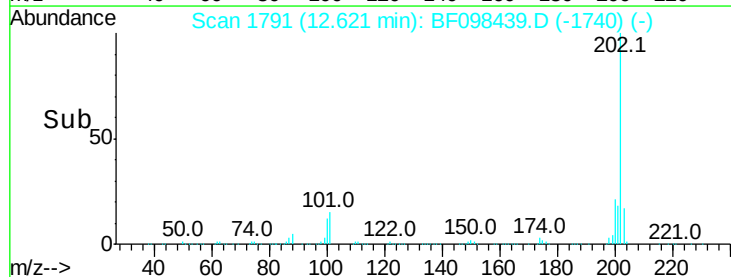
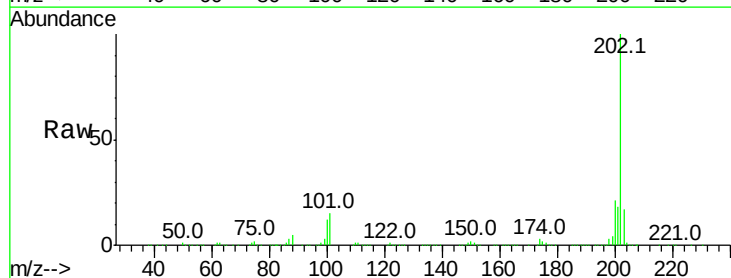
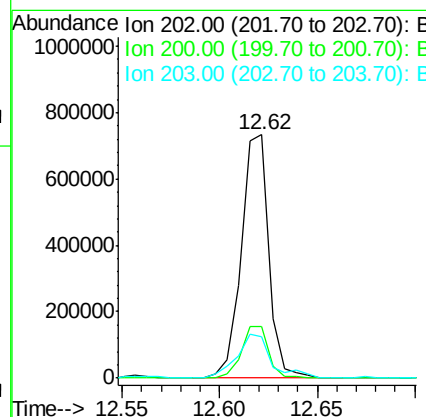
Manual Integrations
APPROVED

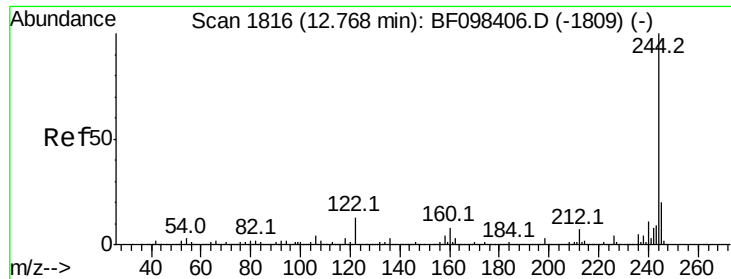
Sohil
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#77
Pyrene
Concen: 24.083 ng
RT: 12.62 min Scan# 1791
Delta R.T. 0.00 min
Lab File: BF098439.D
Acq: 12 Sep 2017 8:51

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.6	26.4
203	17.0	14.4	21.6





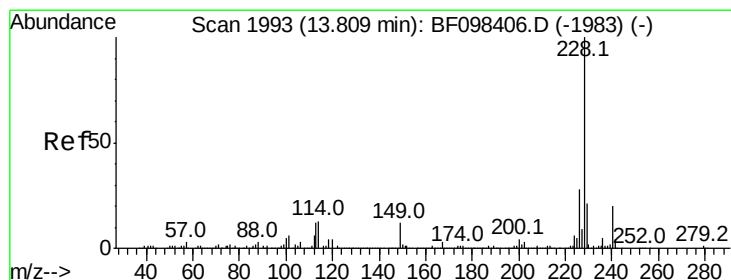
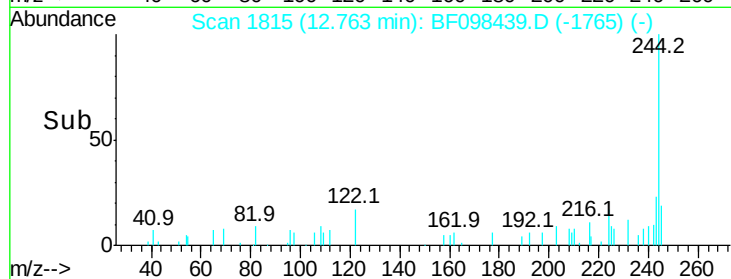
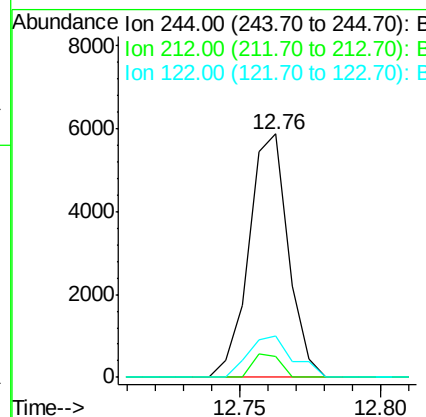
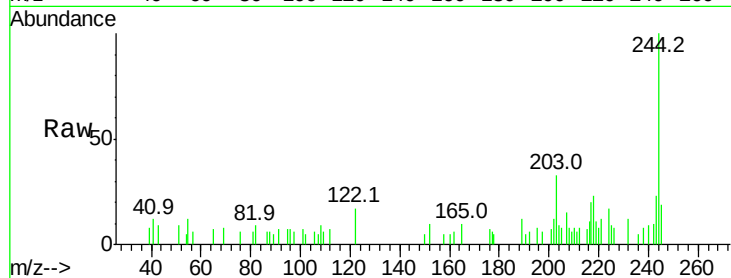
#78
 Terphenyl-d14
 Concen: 0.326 ng
 RT: 12.76 min Scan# 1815
 Delta R.T. -0.01 min
 Lab File: BF098439.D
 Acq: 12 Sep 2017 8:51

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI2-4DL

Tot Ion	Ratio	Resp Lower	Upper
244	100		
212	8.4	6.0	9.0
122	17.1	10.3	15.5

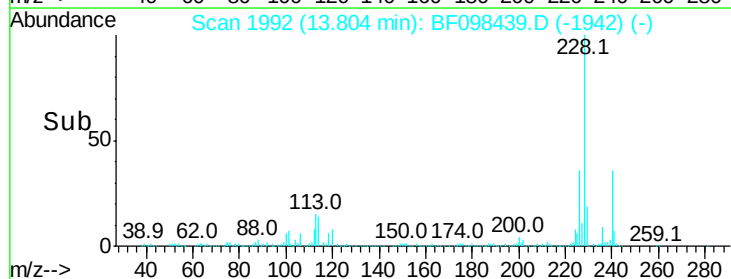
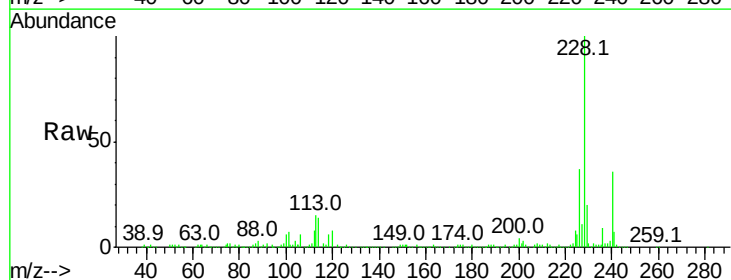
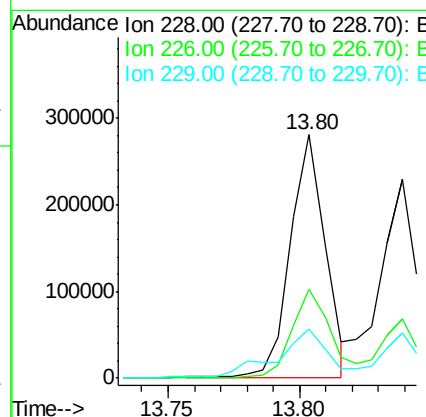
Manual Integrations
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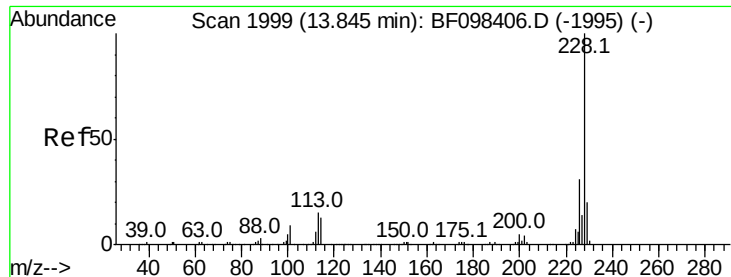
Sohil
 9/12/2017 6:02:25 PM



#80
 Benzo(a)anthracene
 Concen: 11.638 ng m
 RT: 13.80 min Scan# 1992
 Delta R.T. -0.01 min
 Lab File: BF098439.D
 Acq: 12 Sep 2017 8:51

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	36.6	22.6	33.8
229	19.9	16.3	24.5





#82

Chrysene

Concen: 9.275 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF098439.D

Acq: 12 Sep 2017 8:51

Instrument :

BNA_F

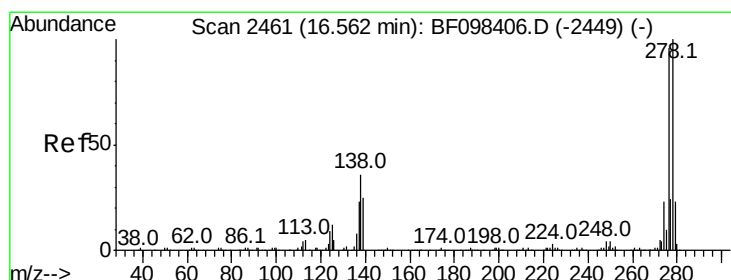
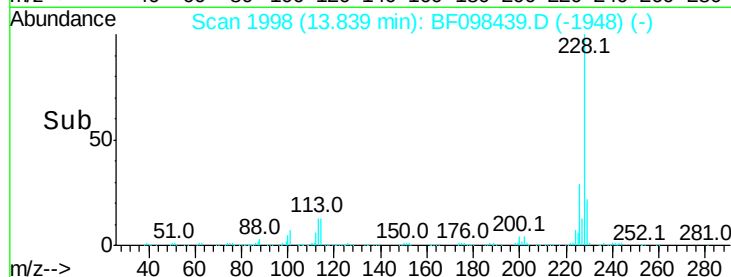
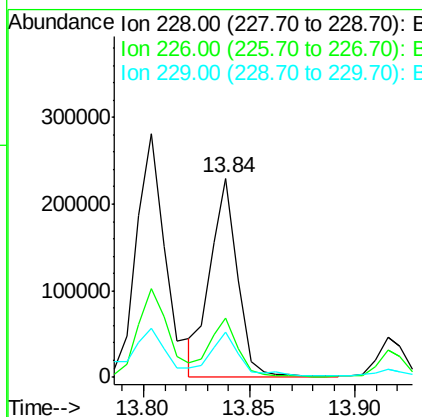
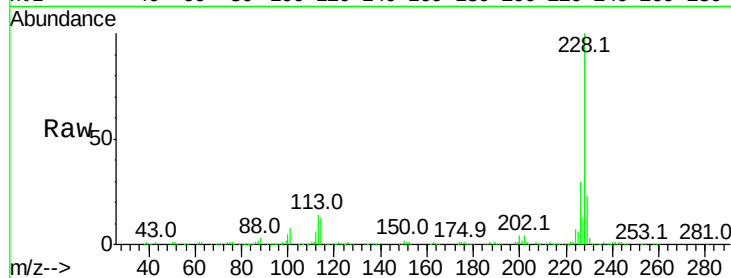
ClientSampleId :

NYSEG-PH4-ESMI2-4DL

Tot Ion:228	Resp:	207189
Ion Ratio	Lower	Upper
228 100		
226 29.8	24.9	37.3
229 22.6	15.8	23.6

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 5.872 ng

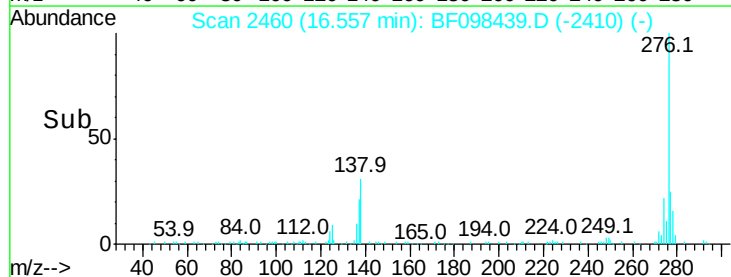
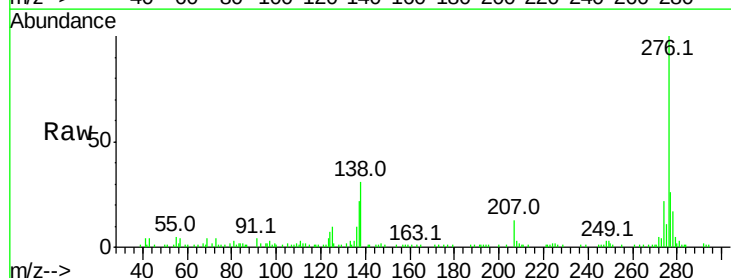
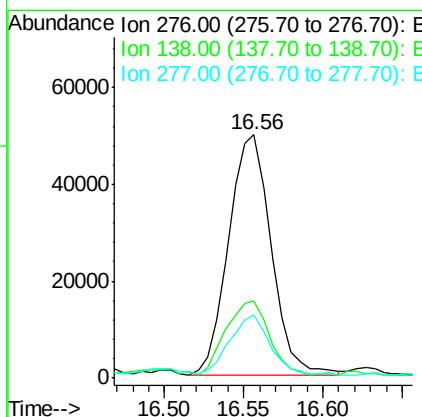
RT: 16.56 min Scan# 2460

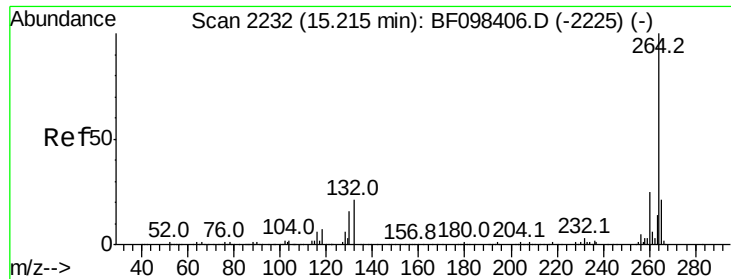
Delta R.T. -0.01 min

Lab File: BF098439.D

Acq: 12 Sep 2017 8:51

Tgt Ion:276	Resp:	92024
Ion Ratio	Lower	Upper
276 100		
138 33.5	27.8	41.6
277 23.8	20.2	30.4





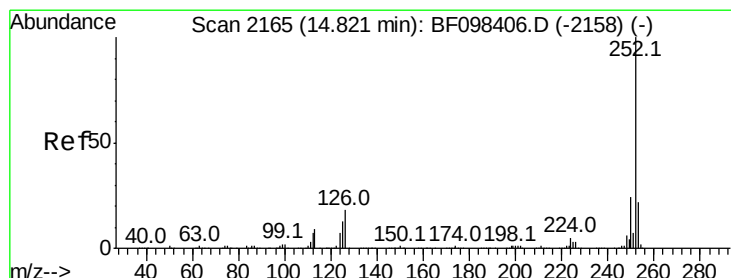
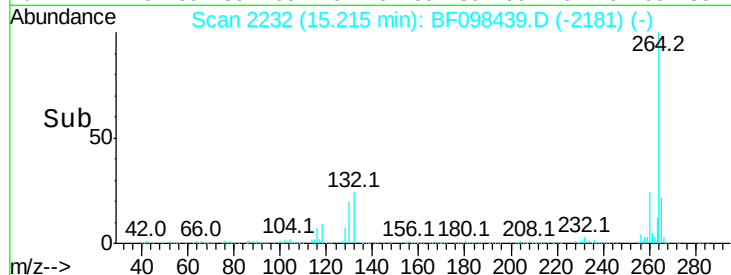
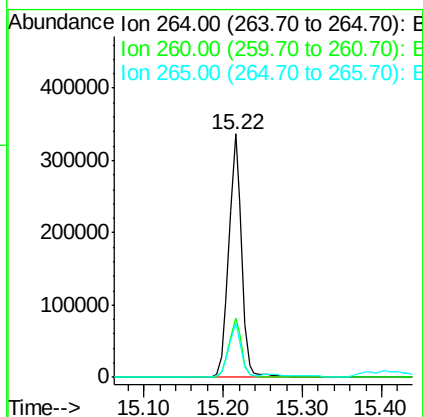
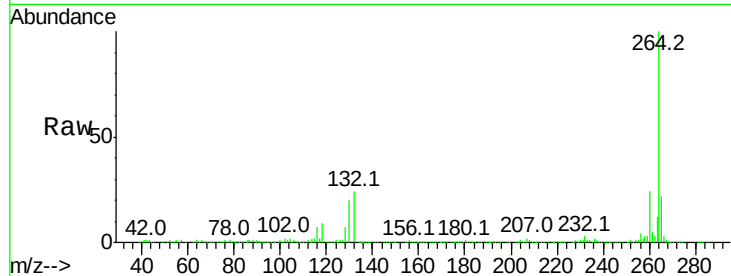
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.22 min Scan# 2232
Delta R.T. 0.00 min
Lab File: BF098439.D
Acq: 12 Sep 2017 8:51

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-4DL

Tot Ion:	264	Resp:	380107
Ion Ratio		Lower	Upper
264	100		
260	24.2	19.5	29.3
265	22.2	17.2	25.8

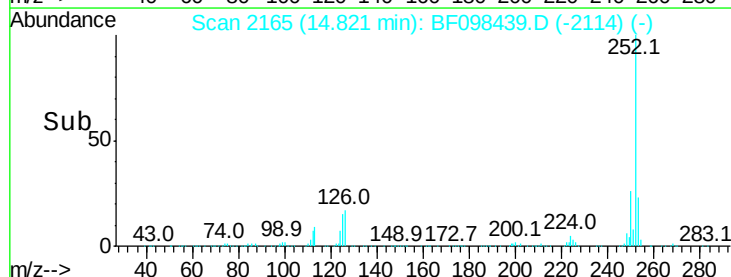
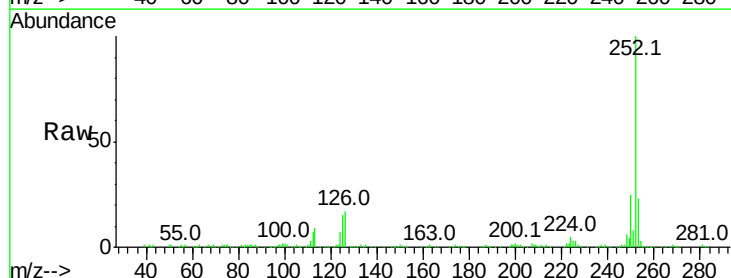
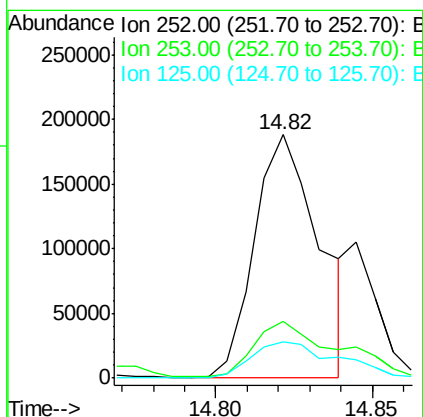
Manual Integrations
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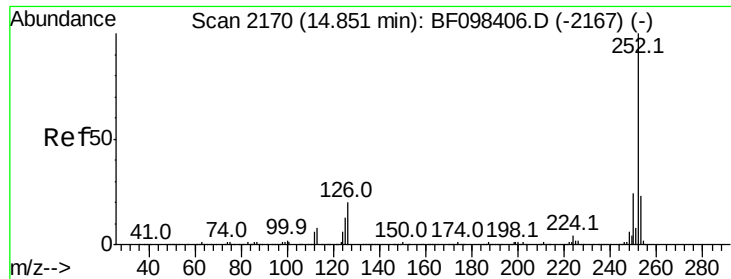
Sohil
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#87
Benzo(b)fluoranthene
Concen: 11.331 ng m
RT: 14.82 min Scan# 2165
Delta R.T. 0.00 min
Lab File: BF098439.D
Acq: 12 Sep 2017 8:51

Tgt Ion:	252	Resp:	270802
Ion Ratio		Lower	Upper
252	100		
253	23.1	18.1	27.1
125	15.1	9.8	14.8#





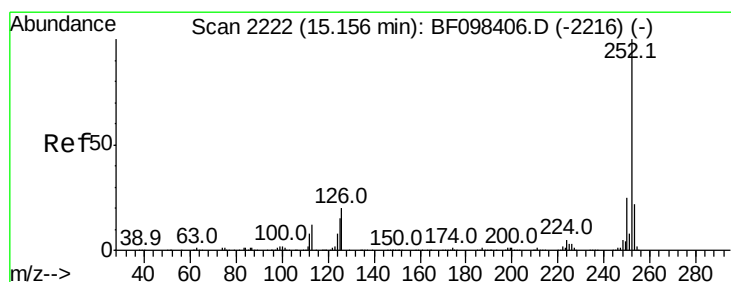
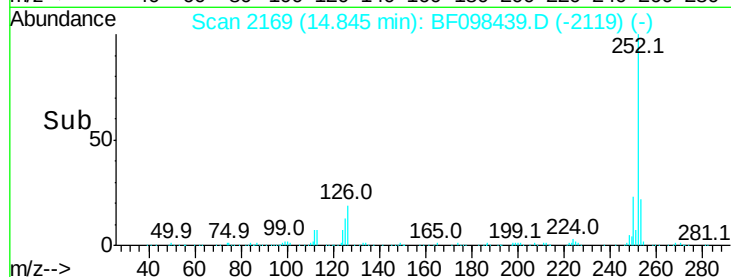
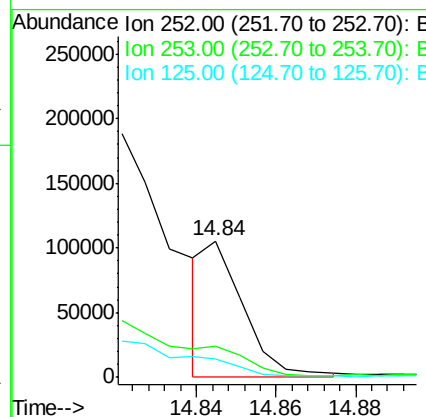
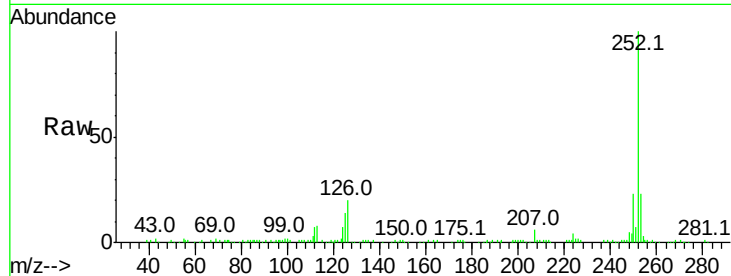
#88
 Benzo(k)fluoranthene
 Concen: 3.153 ng m
 RT: 14.84 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: BF098439.D
 Acq: 12 Sep 2017 8:51

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI2-4DL

Tot Ion:	252	Resp:	70351
Ion Ratio	Lower	Upper	
252	100		
253	22.6	18.4	27.6
125	13.8	13.1	19.7

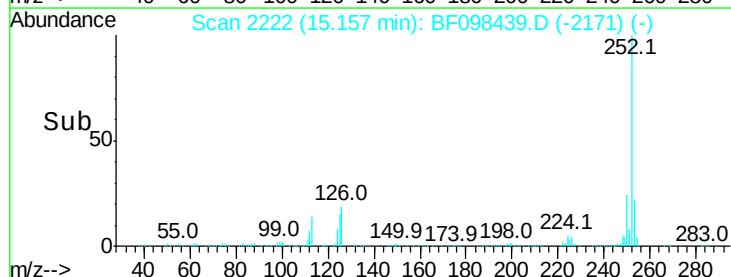
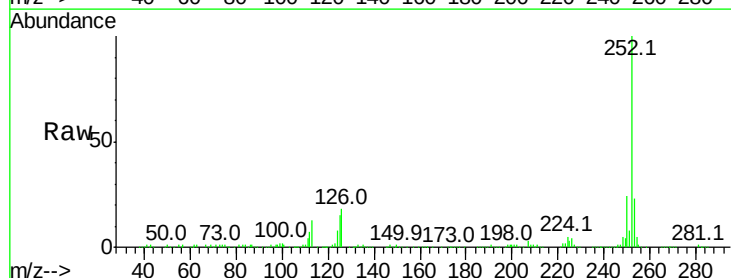
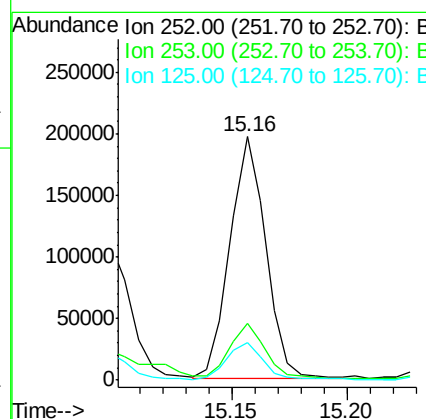
Manual Integrations
 APPROVED

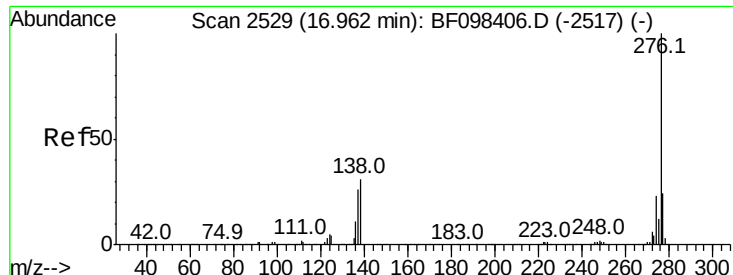
Sohil
 9/12/2017 6:02:25 PM



#89
 Benzo(a)pyrene
 Concen: 9.987 ng
 RT: 15.16 min Scan# 2222
 Delta R.T. 0.00 min
 Lab File: BF098439.D
 Acq: 12 Sep 2017 8:51

Tgt Ion:	252	Resp:	212646
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.5	26.3
125	15.2	11.0	16.4





#91

Benzo(a,h,i)perylene

Concen: 5.549 ng

RT: 16.96 min Scan# 2528

Delta R.T. -0.01 min

Lab File: BF098439.D

Acq: 12 Sep 2017 8:51

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI2-4DL

Tot Ion: 276 Resp: 86445

Ion Ratio Lower Upper

276 100

277 26.1 18.6 28.0

138 34.0 25.4 38.0

Manual Integrations

APPROVED

Sohil

9/12/2017 6:02:25 PM

