

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091117\
 Data File : BF098443.D
 Acq On : 12 Sep 2017 10:41
 Operator : SJ/JU
 Sample : I5151-06DL 100X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

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

Manual Integrations
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Sohil
 9/12/2017 6:02:32 PM

Quant Time: Sep 12 12:15:28 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	235938	20.00	ng	0.00
21) Naphthalene-d8	7.96	136	943671	20.00	ng	0.00
38) Acenaphthene-d10	9.70	164	393829	20.00	ng	0.00
63) Phenanthrene-d10	11.19	188	591535	20.00	ng	0.00
75) Chrysene-d12	13.82	240	397688	20.00	ng	0.00
86) Perylene-d12	15.22	264	413073	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	6358	0.40	ng	0.02
7) Phenol-d6	6.33	99	8883	0.44	ng	0.01
23) Nitrobenzene-d5	7.24	82	6311	0.37	ng	0.00
41) 2,4,6-Tribromophenol	10.49	330	796	0.30	ng	0.00
44) 2-Fluorobiphenyl	9.02	172	11276	0.49	ng	-0.01
78) Terphenyl-d14	12.76	244	7523	0.41	ng	0.00

Target Compounds				Qvalue		
31) Naphthalene	7.99	128	5803165	124.396	ng	97
37) 2-Methylnaphthalene	8.67	142	1110426	39.296	ng	100
45) 1,1'-Biphenyl	9.13	154	347996	9.872	ng	98
48) Acenaphthylene	9.56	152	294041	7.856	ng	# 97
51) Acenaphthene	9.74	154	1086360	45.658	ng	98
54) Dibenzofuran	9.90	168	988107	31.523	ng	97
57) Fluorene	10.25	166	860487	33.166	ng	99
70) Phenanthrene	11.22	178	3230167	103.006	ng	99
71) Anthracene	11.26	178	1169294	36.318	ng	98
72) Carbazole	11.42	167	374770	12.490	ng	99
74) Fluoranthene	12.40	202	2084486	66.400	ng	99
77) Pyrene	12.62	202	1788520	57.010	ng	100
80) Benzo(a)anthracene	13.80	228	706188m	30.288	ng	
82) Chrysene	13.84	228	580142	24.615	ng	97
85) Indeno(1,2,3-cd)pyrene	16.56	276	254371	15.384	ng	95
87) Benzo(b)fluoranthene	14.83	252	708134m	27.264	ng	
88) Benzo(k)fluoranthene	14.84	252	233302m	9.622	ng	
89) Benzo(a)pyrene	15.16	252	574759	24.839	ng	99
90) Dibenzo(a,h)anthracene	16.56	278	51233m	3.044	ng	
91) Benzo(a,h,i)perylene	16.96	276	236066	13.944	ng	99

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

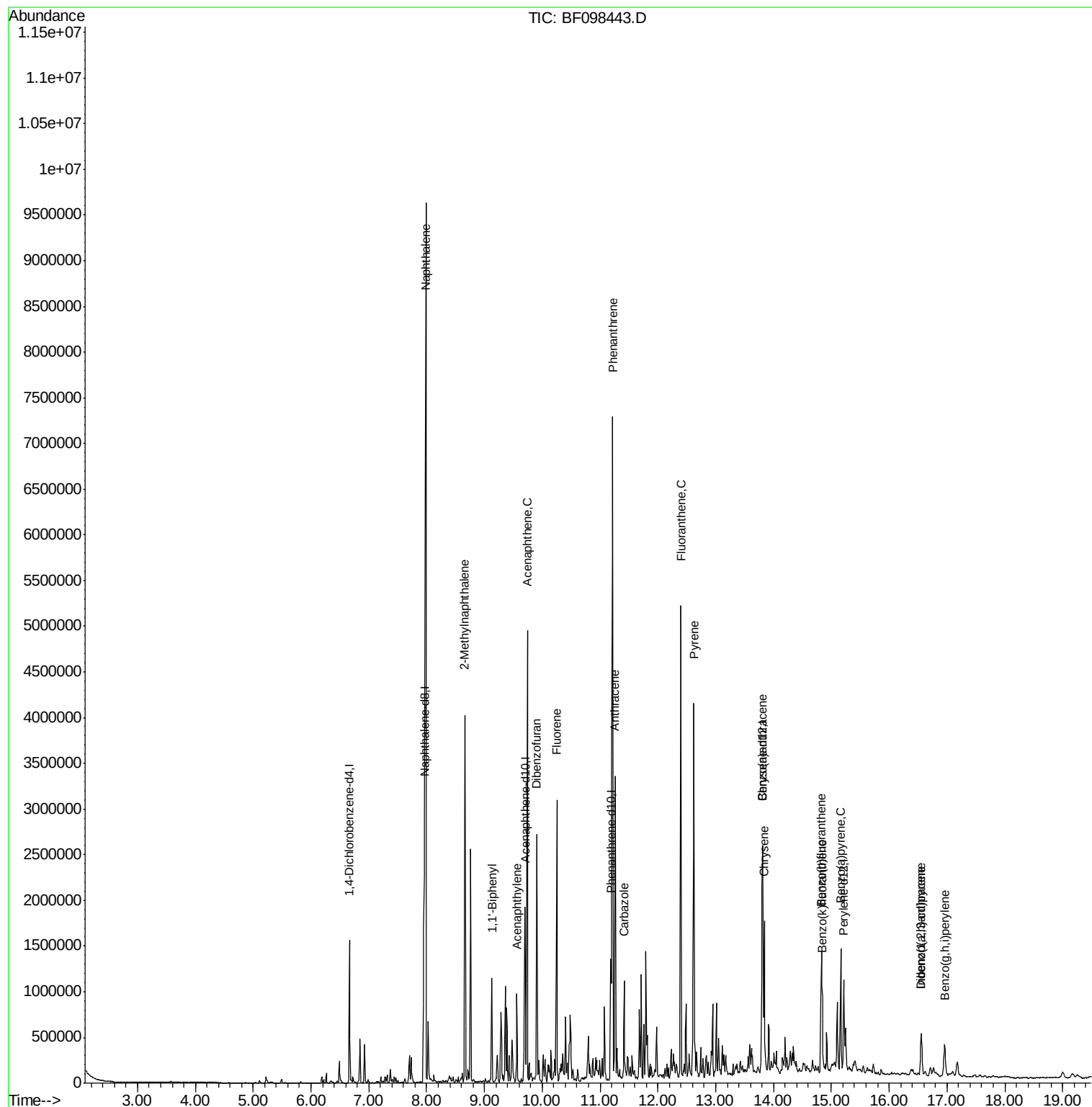
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF091117\
Data File : BF098443.D
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Operator : SJ/JU
Sample : I5151-06DL 100X
Misc :
ALS Vial : 31 Sample Multiplier: 1

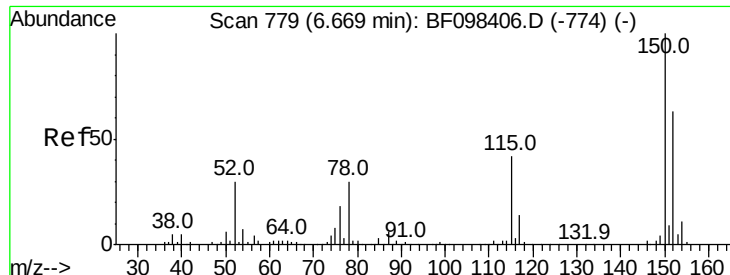
Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-6DL

Manual Integrations
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Quant Time: Sep 12 12:15:28 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

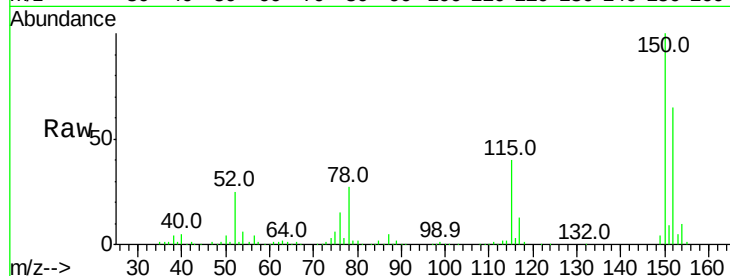
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. 0.00 min
Lab File: BF098443.D
Acq: 12 Sep 2017 10:41

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	126.2	189.2
115	62.4	52.2	78.2

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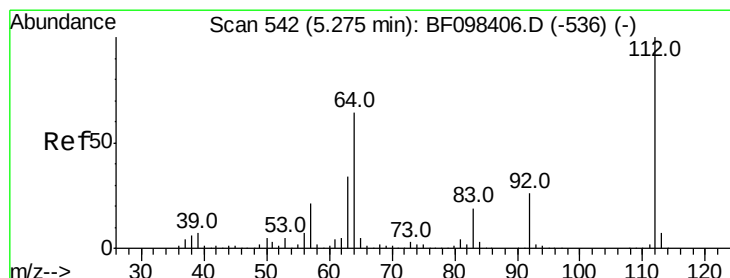
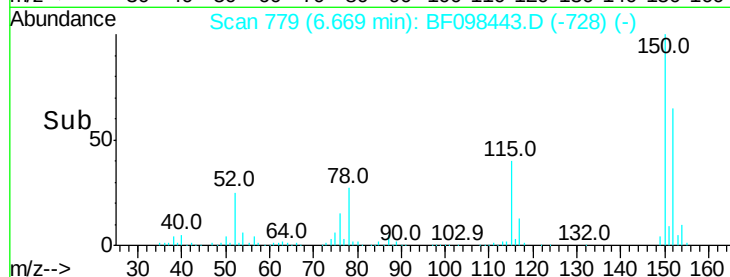
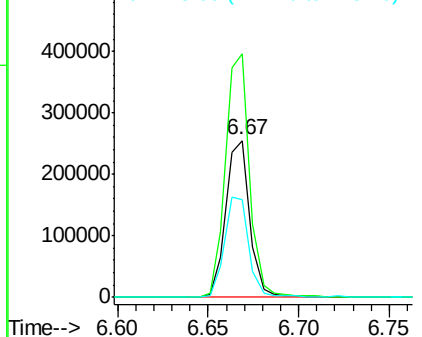


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

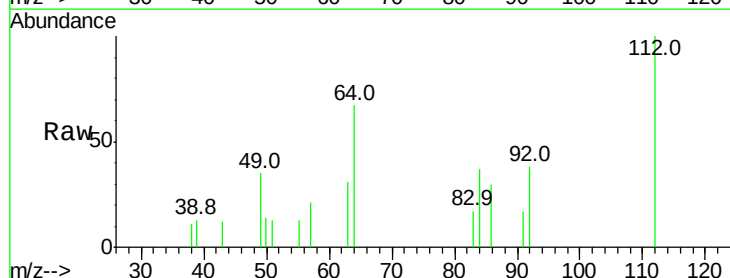
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 0.398 ng
RT: 5.30 min Scan# 546
Delta R.T. 0.02 min
Lab File: BF098443.D
Acq: 12 Sep 2017 10:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.0	46.0	69.0
63	31.4	23.4	35.0

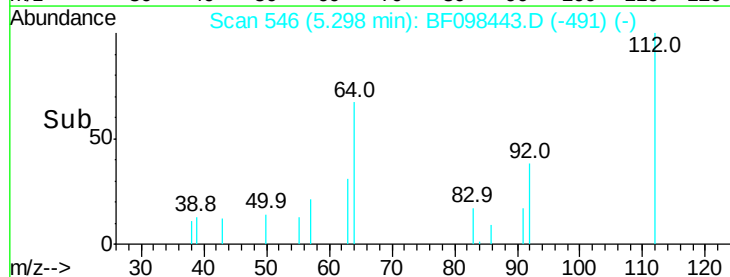
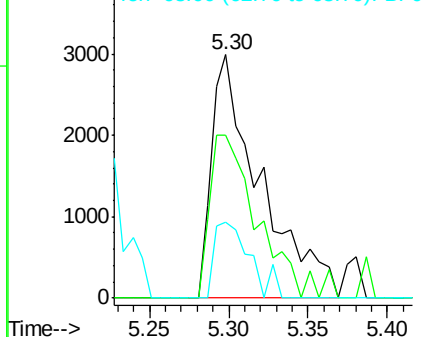


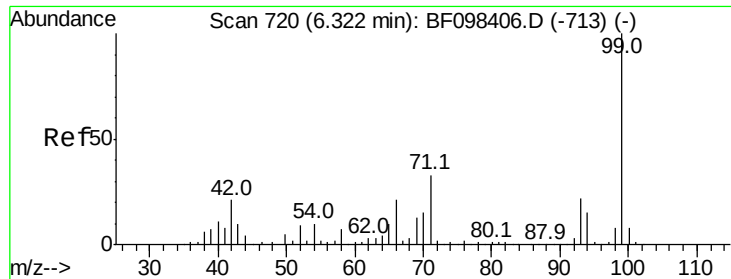
Abundance

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: 0.438 ng

RT: 6.33 min Scan# 722

Delta R.T. 0.01 min

Lab File: BF098443.D

Acq: 12 Sep 2017 10:41

Instrument :

BNA_F

ClientSampleId :

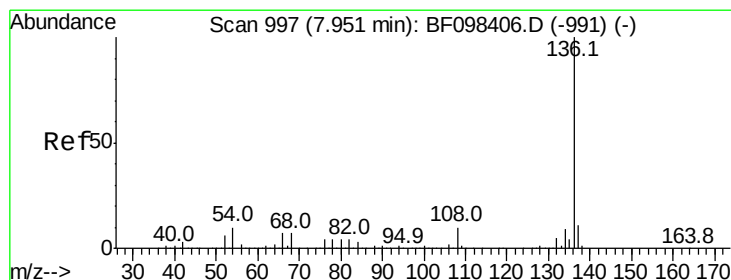
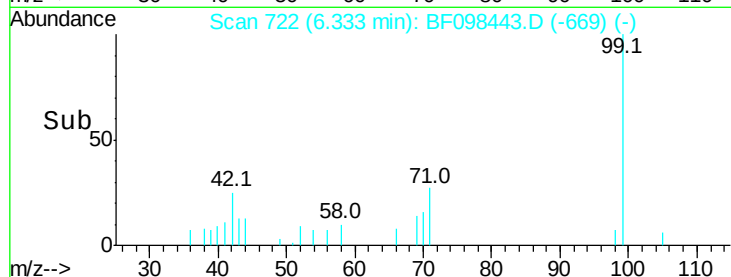
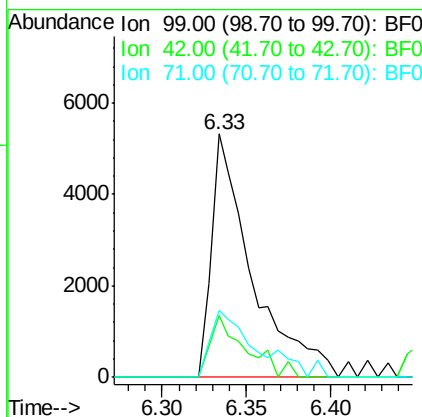
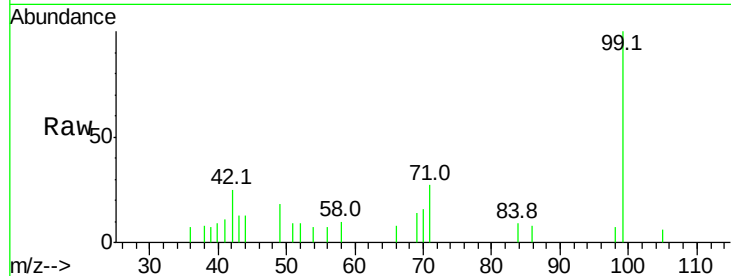
NYSEG-PH4-ESMI2-6DL

Tot Ion:	99	Resp:	8883
Ion Ratio	Lower	Upper	
99	100		
42	25.4	13.5	20.3#
71	27.3	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

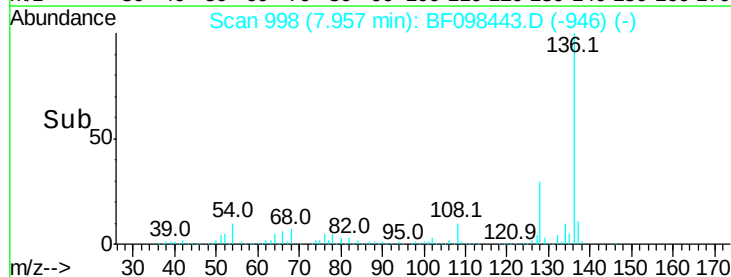
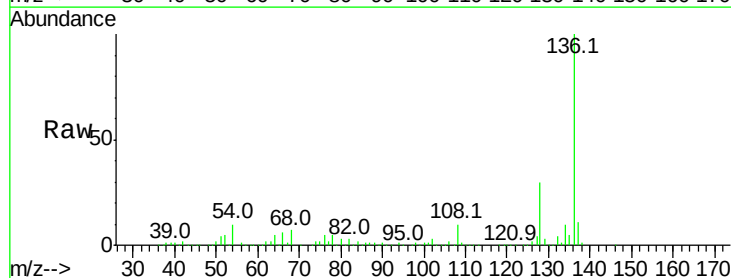
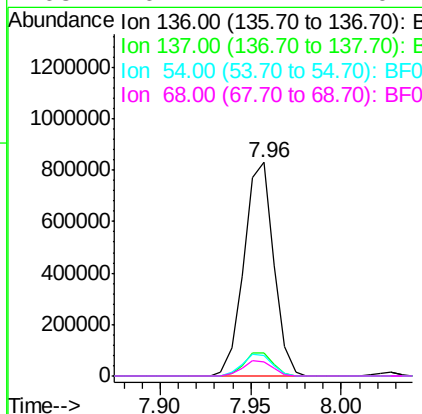
RT: 7.96 min Scan# 998

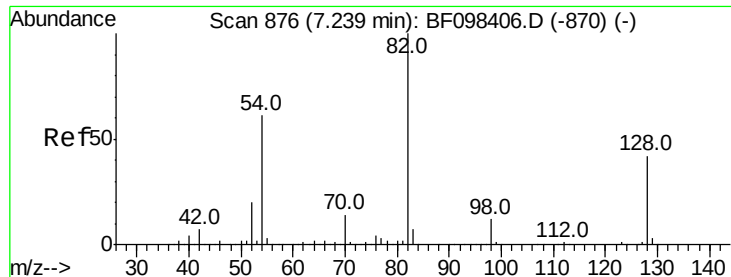
Delta R.T. 0.01 min

Lab File: BF098443.D

Acq: 12 Sep 2017 10:41

Tgt Ion:	136	Resp:	943671
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.5	12.7
54	9.7	4.9	7.3#
68	6.7	4.1	6.1#





#23

Nitrobenzene-d5

Concen: 0.373 ng

RT: 7.24 min Scan# 876

Delta R.T. 0.00 min

Lab File: BF098443.D

Acq: 12 Sep 2017 10:41

Instrument :

BNA_F

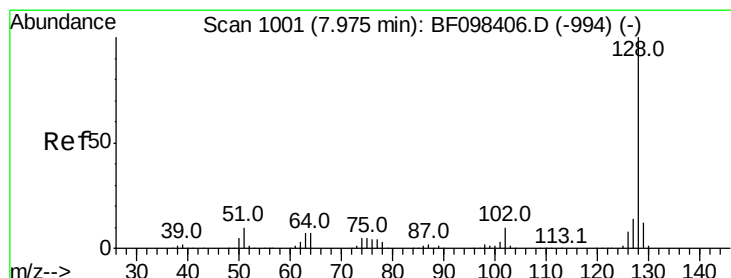
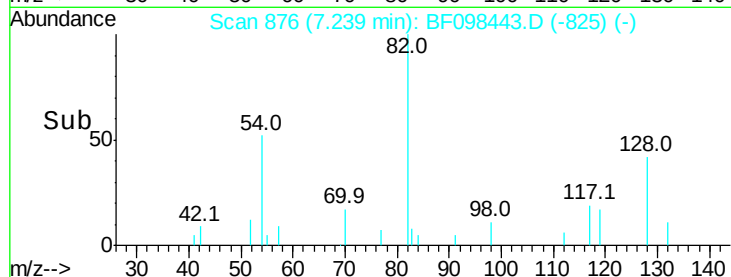
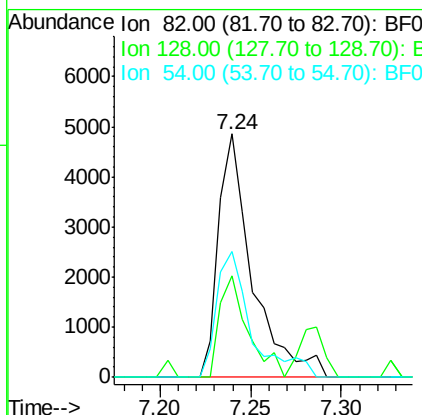
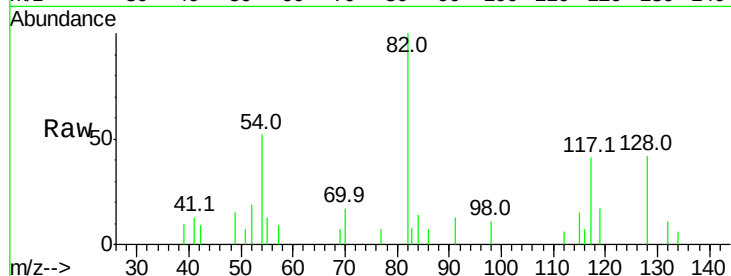
ClientSampleId :

NYSEG-PH4-ESMI2-6DL

Tot Ion:	82	Resp:	6311
Ion Ratio	Lower	Upper	
82	100		
128	41.8	34.0	51.0
54	51.9	42.2	63.2

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#31

Naphthalene

Concen: 124.396 ng

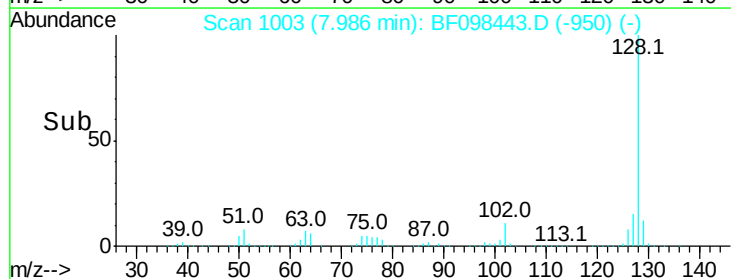
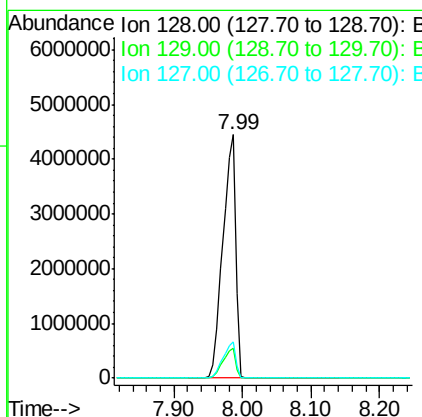
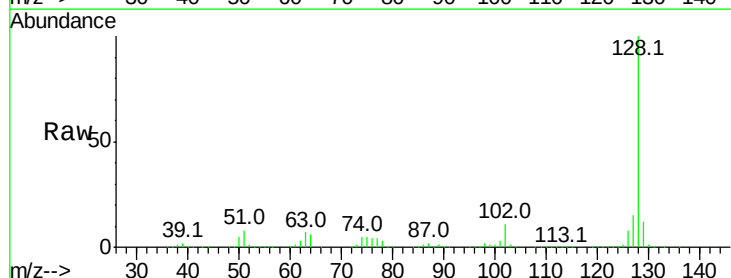
RT: 7.99 min Scan# 1003

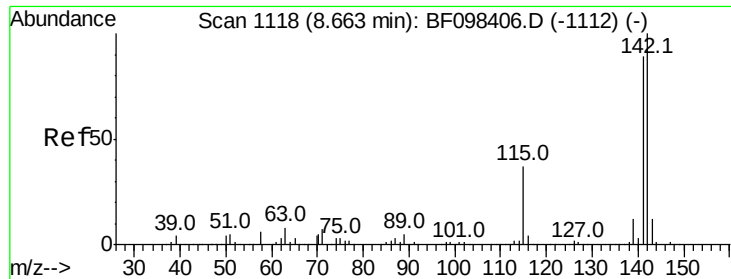
Delta R.T. 0.01 min

Lab File: BF098443.D

Acq: 12 Sep 2017 10:41

Tgt Ion:	128	Resp:	5803165
Ion Ratio	Lower	Upper	
128	100		
129	12.1	9.0	13.6
127	14.8	10.8	16.2





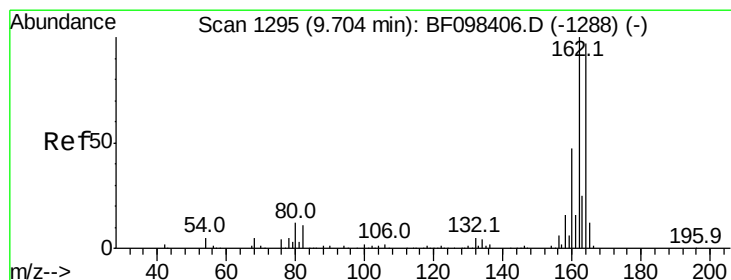
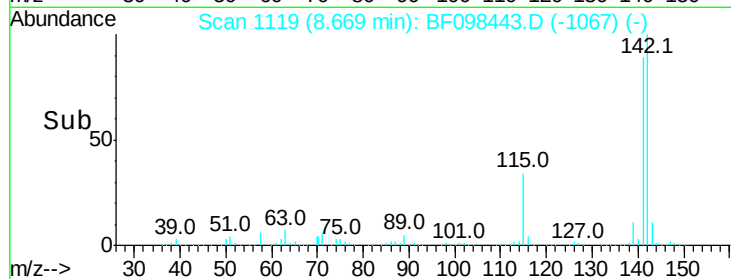
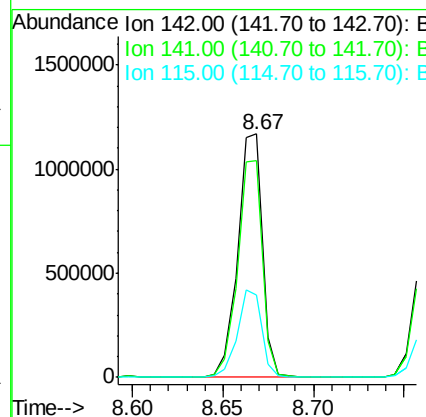
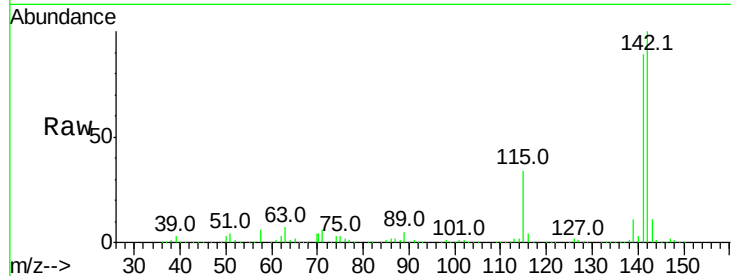
#37
 2-Methylnaphthalene
 Concen: 39.296 ng
 RT: 8.67 min Scan# 1119
 Delta R.T. 0.01 min
 Lab File: BF098443.D
 Acq: 12 Sep 2017 10:41

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

Tot Ion:142 Resp: 1110426
 Ion Ratio Lower Upper
 142 100
 141 89.2 71.3 106.9
 115 33.9 27.1 40.7

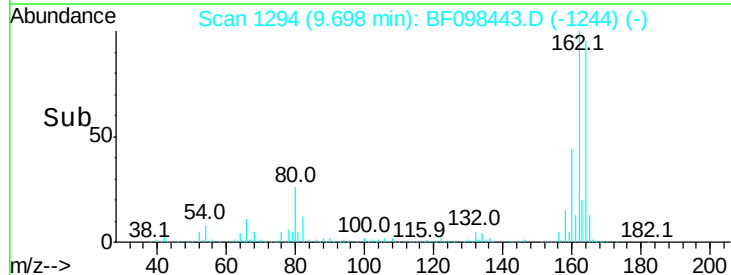
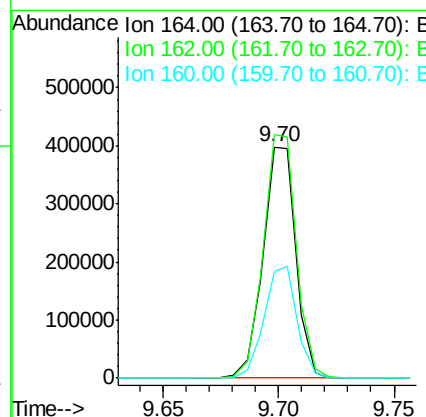
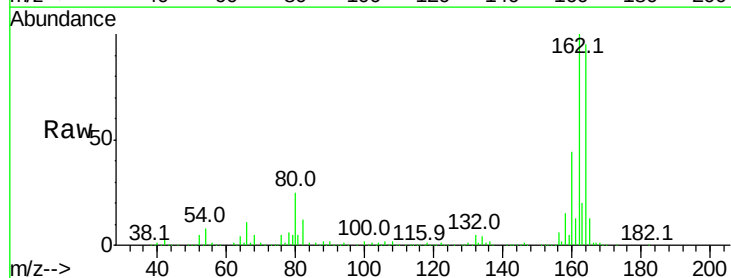
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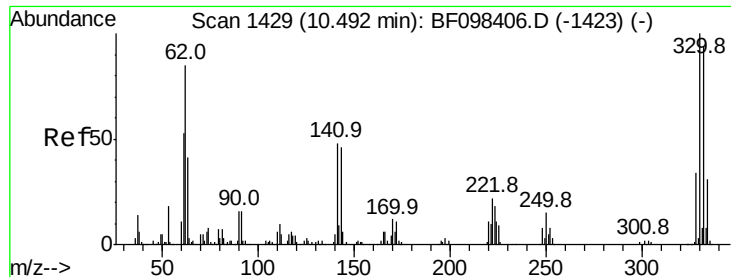
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.70 min Scan# 1294
 Delta R.T. -0.01 min
 Lab File: BF098443.D
 Acq: 12 Sep 2017 10:41

Tgt Ion:164 Resp: 393829
 Ion Ratio Lower Upper
 164 100
 162 105.2 82.6 123.8
 160 46.3 36.2 54.2





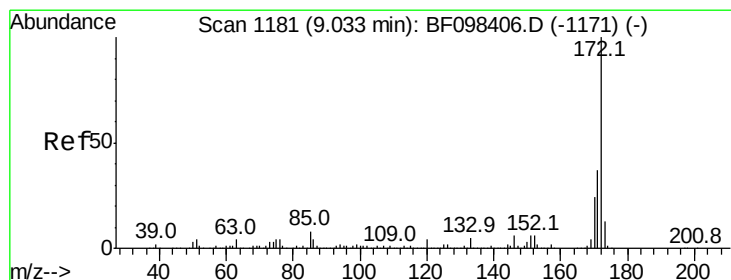
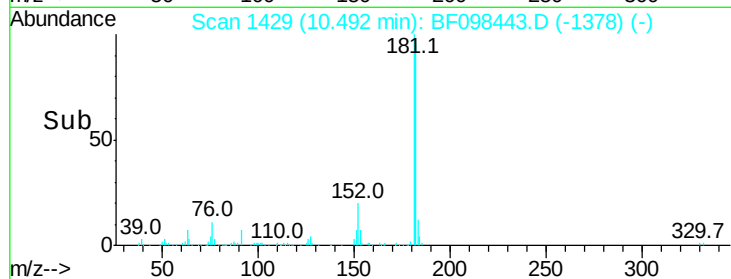
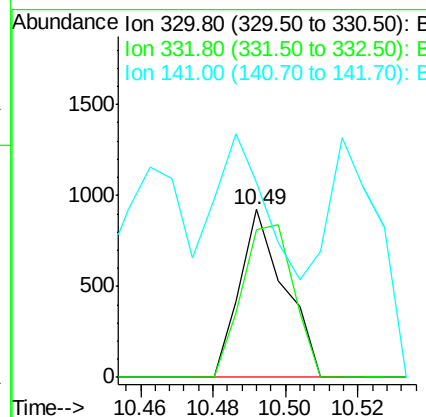
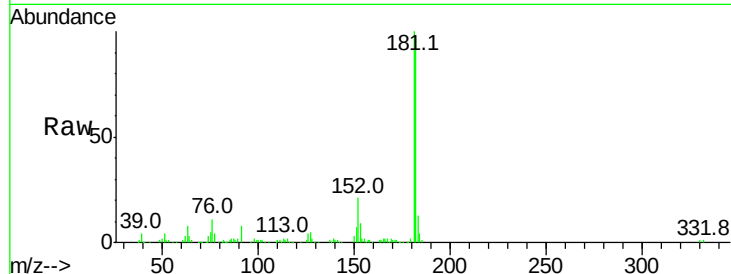
#41
 2,4,6-Tribromophenol
 Concen: 0.303 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. 0.00 min
 Lab File: BF098443.D
 Acq: 12 Sep 2017 10:41

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	104.5	76.6	115.0
141	123.1	31.4	47.2

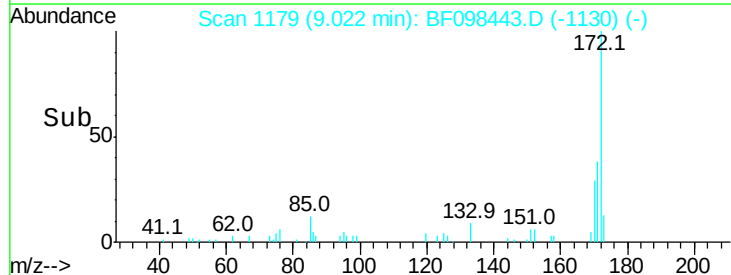
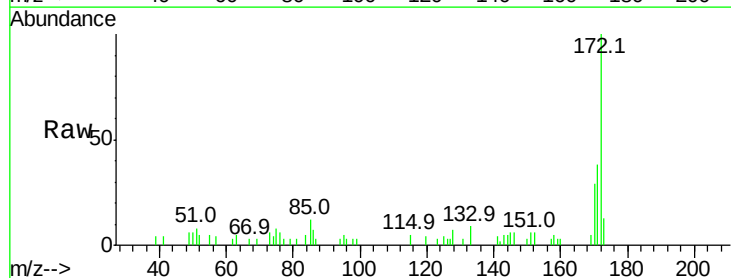
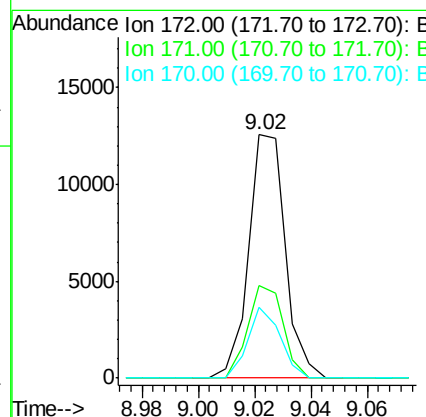
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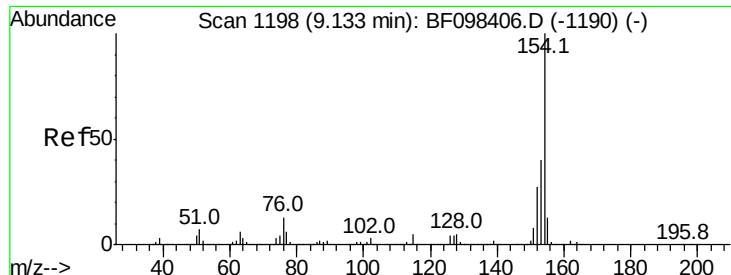
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#44
 2-Fluorobiphenyl
 Concen: 0.485 ng
 RT: 9.02 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: BF098443.D
 Acq: 12 Sep 2017 10:41

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.2	29.6	44.4
170	28.9	19.8	29.8





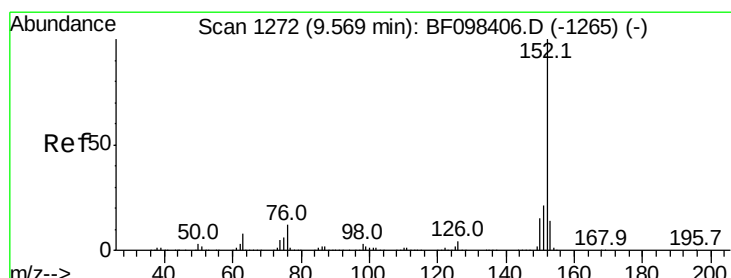
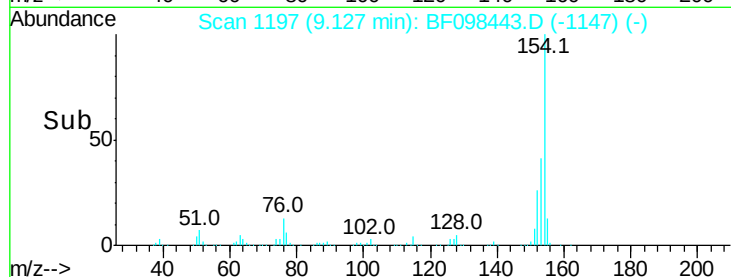
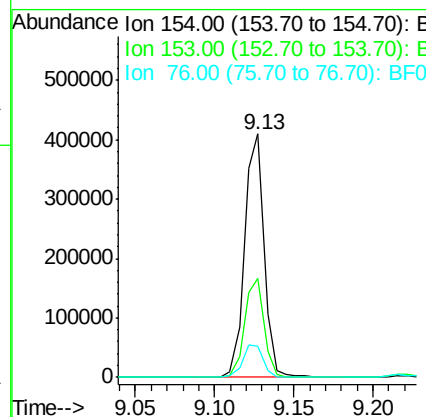
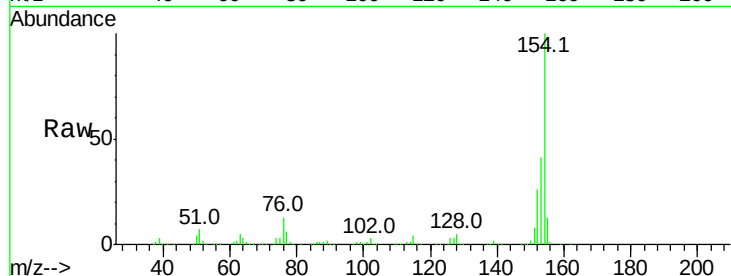
#45
 1,1'-Biphenyl
 Concen: 9.872 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: BF098443.D
 Acq: 12 Sep 2017 10:41

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

Tot Ion	Ratio	Resp	Lower	Upper
154	100			
153	40.7	21.2	61.2	
76	12.9	0.0	29.9	

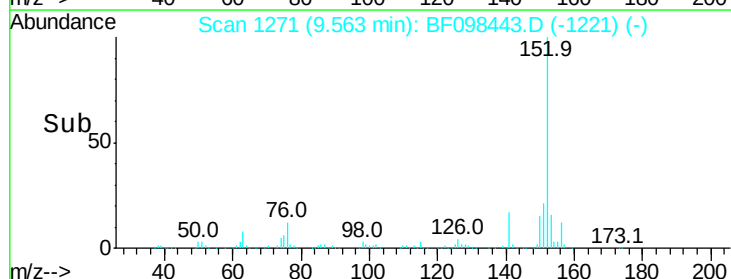
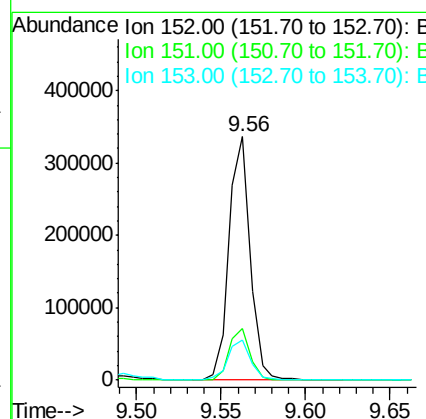
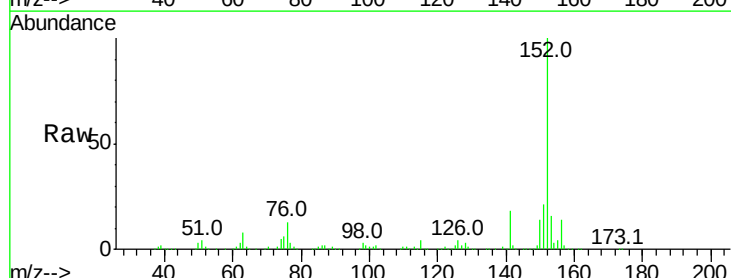
Manual Integrations
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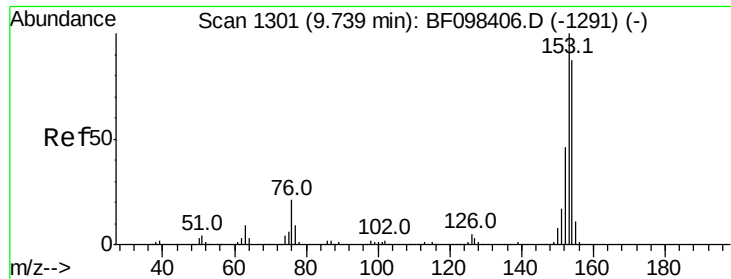
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#48
 Acenaphthylene
 Concen: 7.856 ng
 RT: 9.56 min Scan# 1271
 Delta R.T. -0.01 min
 Lab File: BF098443.D
 Acq: 12 Sep 2017 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
152	100			
151	21.0	16.8	25.2	
153	16.3	10.8	16.2#	





#51

Acenaphthene

Concen: 45.658 ng

RT: 9.74 min Scan# 1301

Delta R.T. 0.00 min

Lab File: BF098443.D

Acq: 12 Sep 2017 10:41

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI2-6DL

Tot Ion:154 Resp: 1086360

Ion Ratio Lower Upper

154 100

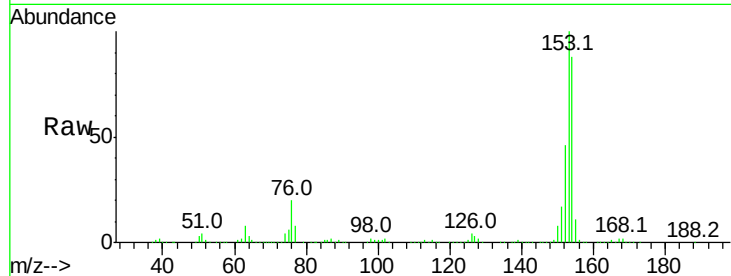
153 113.8 90.5 135.7

152 51.8 43.6 65.4

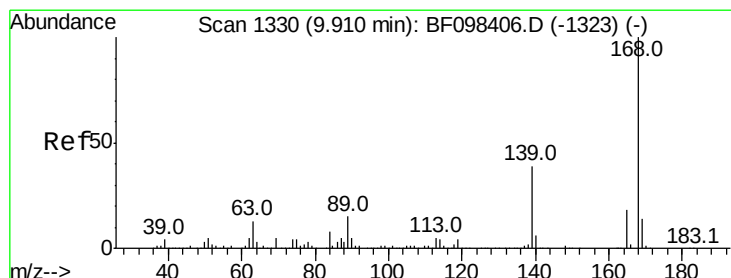
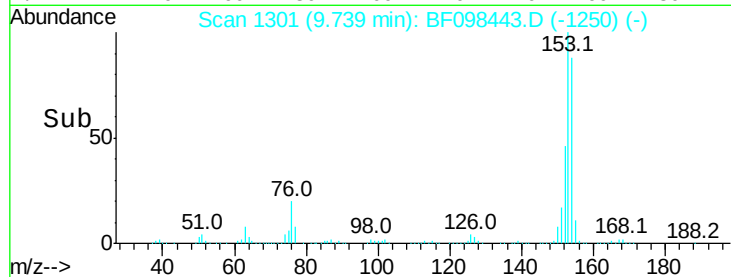
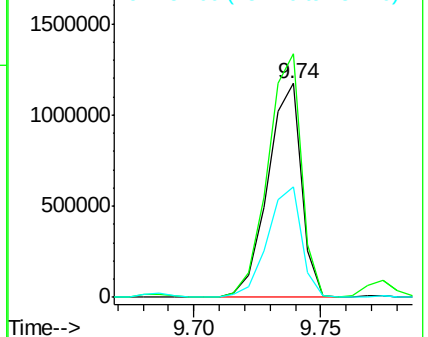
Manual Integrations
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 31.523 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.01 min

Lab File: BF098443.D

Acq: 12 Sep 2017 10:41

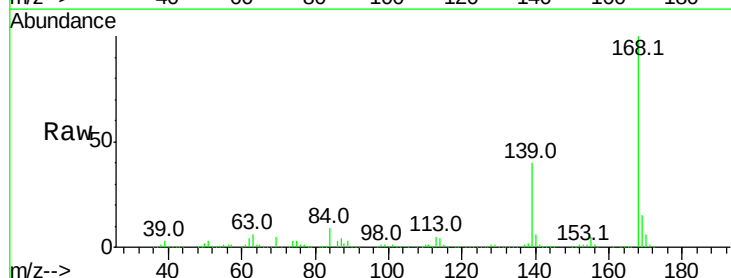
Tgt Ion:168 Resp: 988107

Ion Ratio Lower Upper

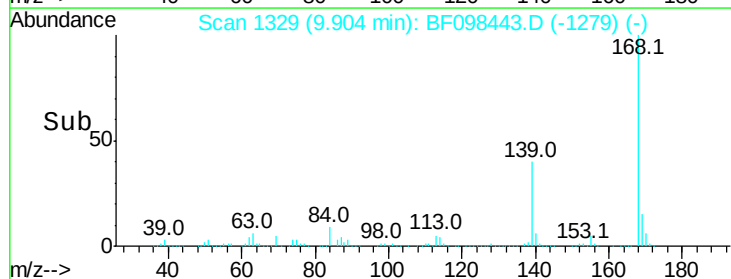
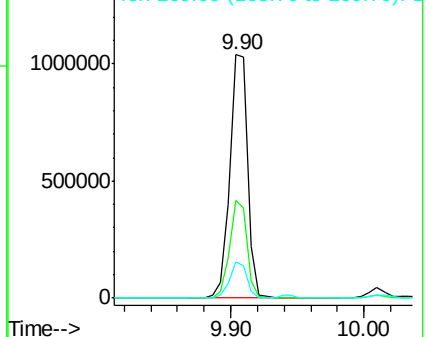
168 100

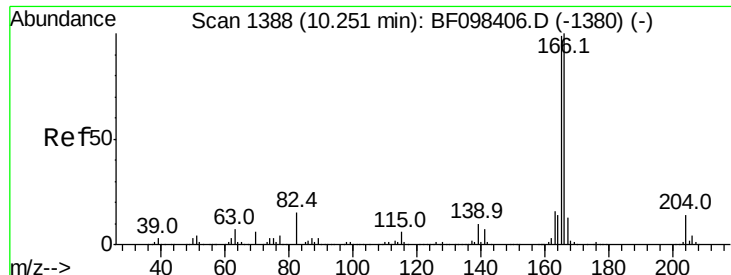
139 39.9 30.6 45.8

169 14.7 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: 33.166 ng

RT: 10.25 min Scan# 1388

Delta R.T. 0.00 min

Lab File: BF098443.D

Acq: 12 Sep 2017 10:41

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI2-6DL

Tot Ion:166 Resp: 860487

Ion Ratio Lower Upper

166 100

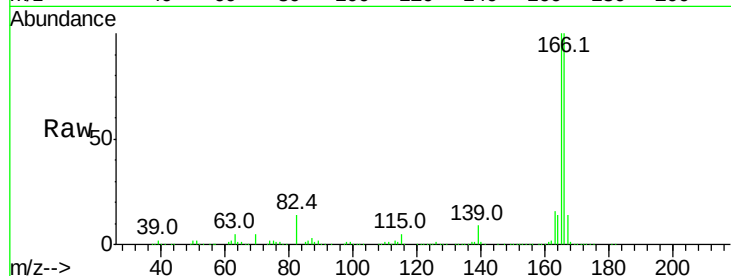
165 99.5 78.8 118.2

167 13.5 10.6 16.0

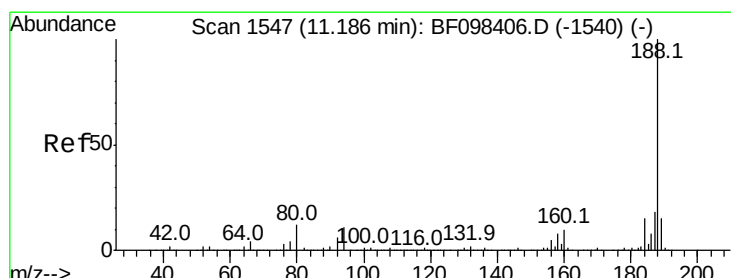
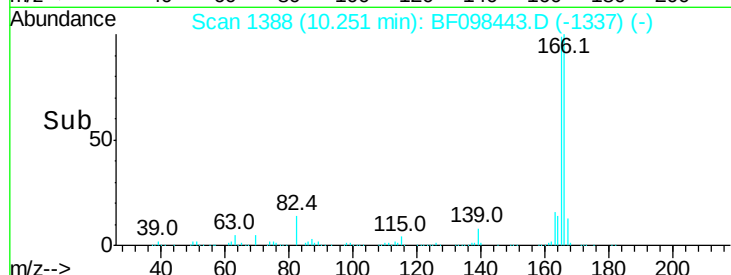
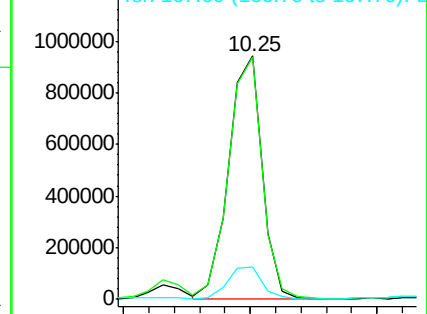
Manual Integrations
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Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.19 min Scan# 1547

Delta R.T. 0.00 min

Lab File: BF098443.D

Acq: 12 Sep 2017 10:41

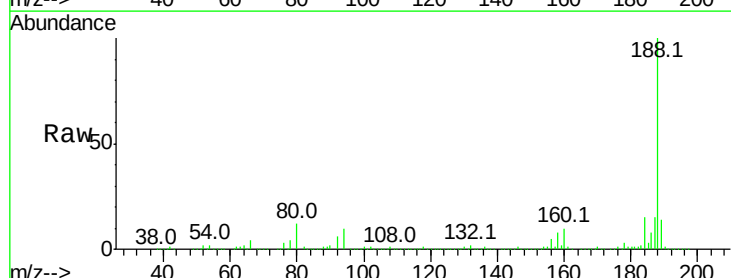
Tgt Ion:188 Resp: 591535

Ion Ratio Lower Upper

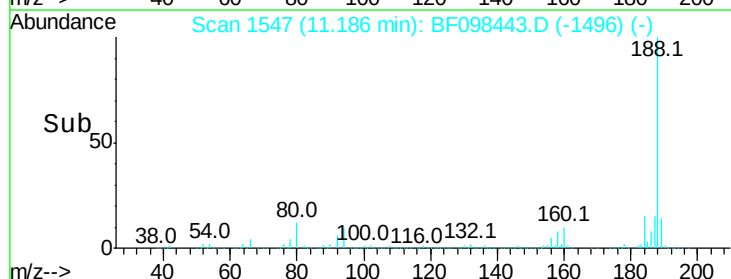
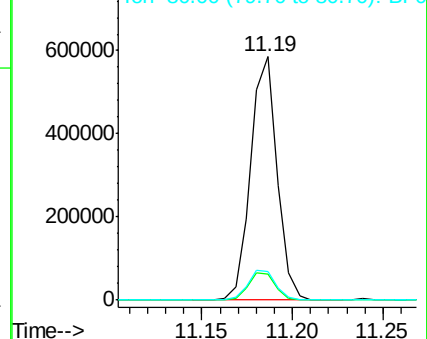
188 100

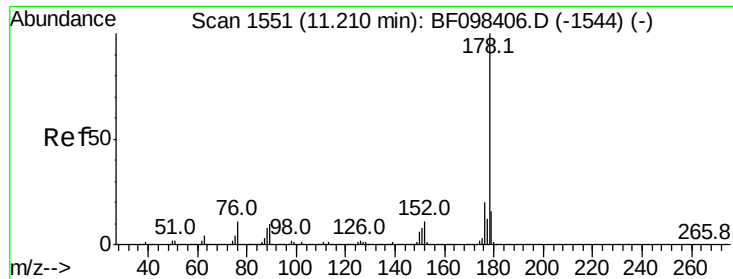
94 10.5 9.4 14.2

80 11.7 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





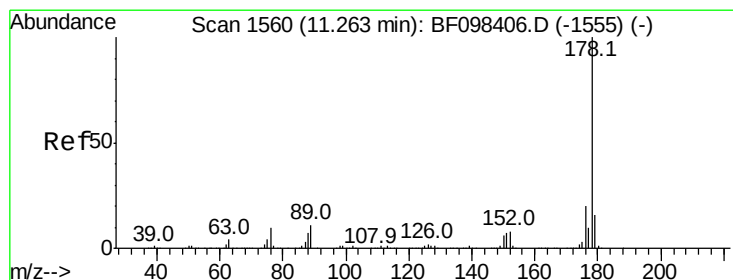
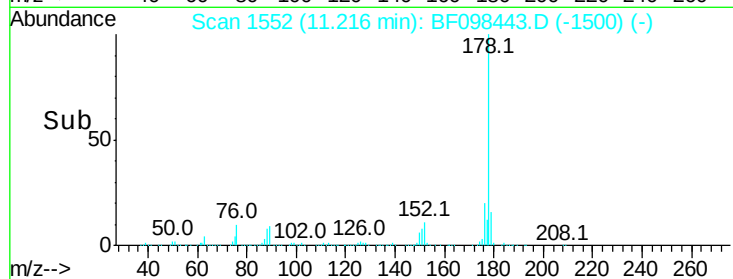
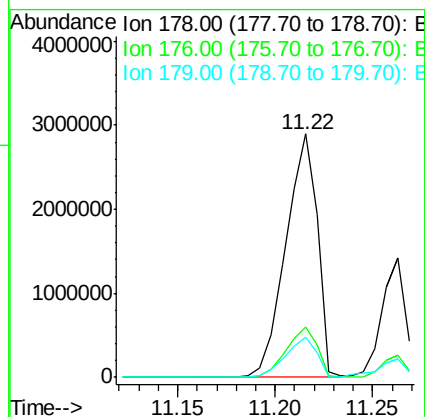
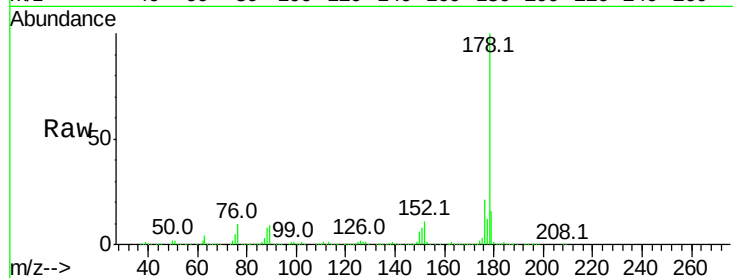
#70
Phenanthrene
Concen: 103.006 ng
RT: 11.22 min Scan# 1552
Delta R.T. 0.01 min
Lab File: BF098443.D
Acq: 12 Sep 2017 10:41

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

Tot Ion:178 Resp: 3230167
Ion Ratio Lower Upper
178 100
176 20.5 16.2 24.4
179 16.4 12.6 19.0

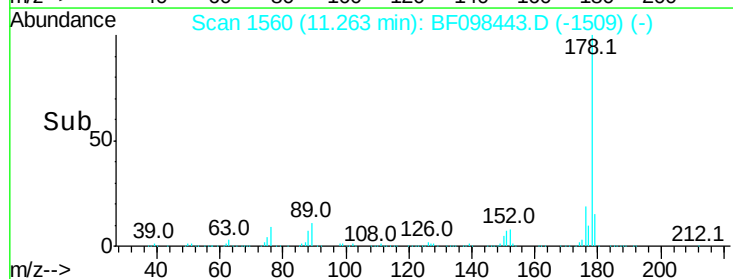
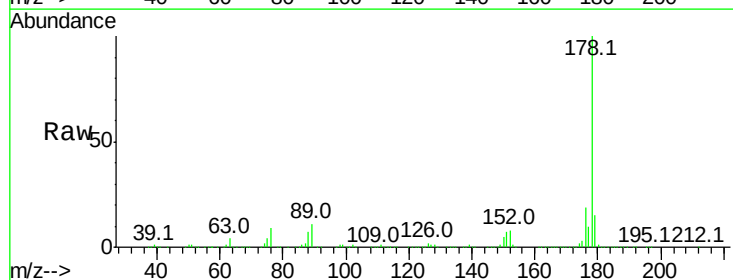
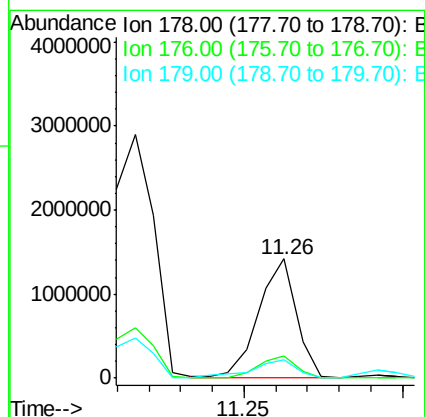
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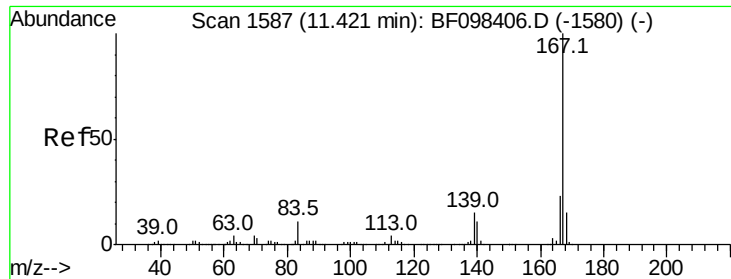
Sohil
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#71
Anthracene
Concen: 36.318 ng
RT: 11.26 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BF098443.D
Acq: 12 Sep 2017 10:41

Tgt Ion:178 Resp: 1169294
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.8
179 15.2 12.7 19.1





#72

Carbazole

Concen: 12.490 ng

RT: 11.42 min Scan# 1586

Delta R.T. -0.01 min

Lab File: BF098443.D

Acq: 12 Sep 2017 10:41

Instrument :

BNA_F

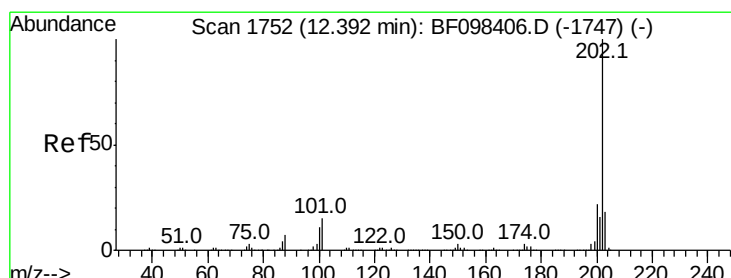
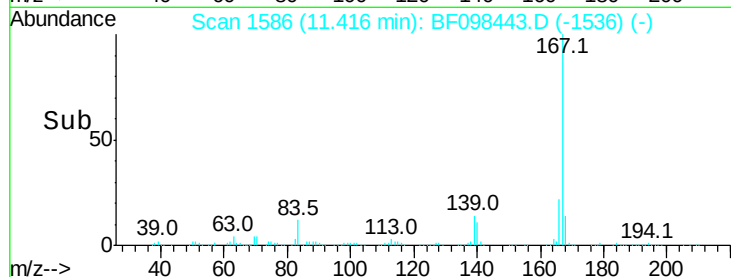
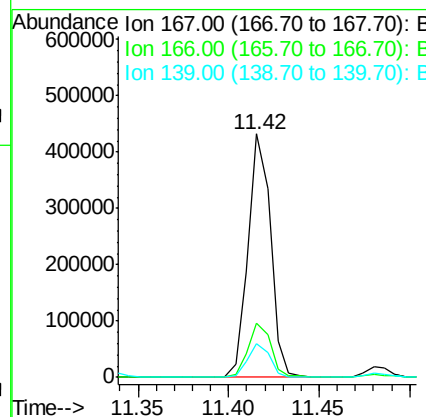
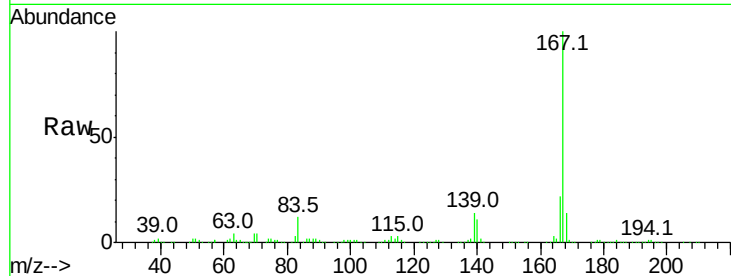
ClientSampleId :

NYSEG-PH4-ESMI2-6DL

Tot Ion:	167	Resp:	374770
Ion Ratio	Lower	Upper	
167	100		
166	22.3	18.1	27.1
139	13.7	11.7	17.5

Manual Integrations
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#74

Fluoranthene

Concen: 66.400 ng

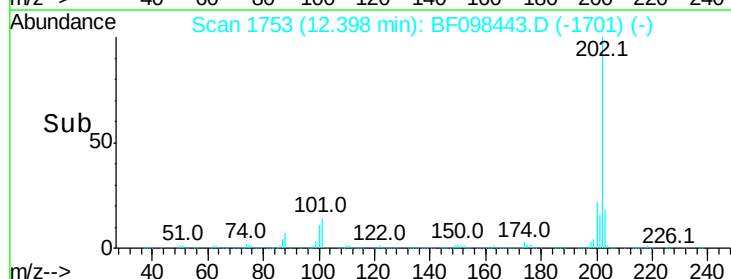
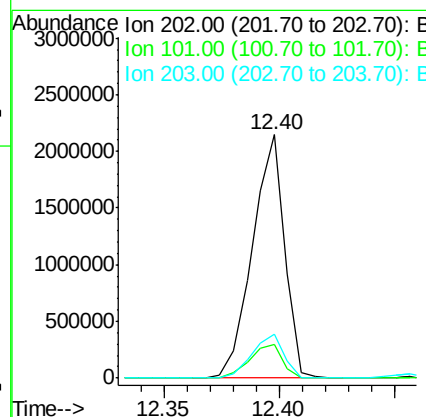
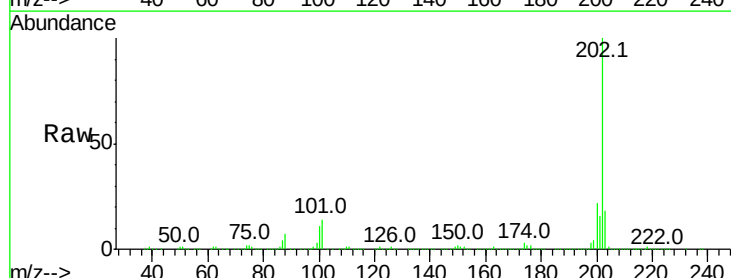
RT: 12.40 min Scan# 1753

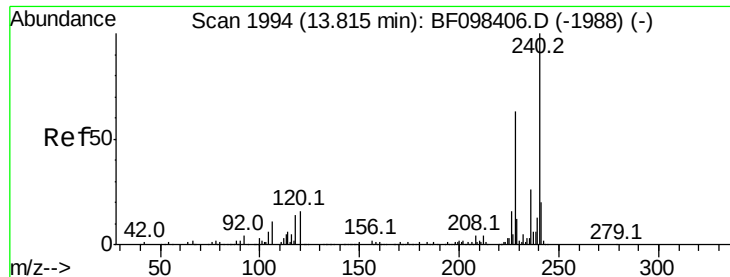
Delta R.T. 0.01 min

Lab File: BF098443.D

Acq: 12 Sep 2017 10:41

Tgt Ion:	202	Resp:	2084486
Ion Ratio	Lower	Upper	
202	100		
101	14.0	0.0	33.2
203	17.9	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: BF098443.D

Acq: 12 Sep 2017 10:41

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI2-6DL

Tot Ion:240 Resp: 397688

Ion Ratio Lower Upper

240 100

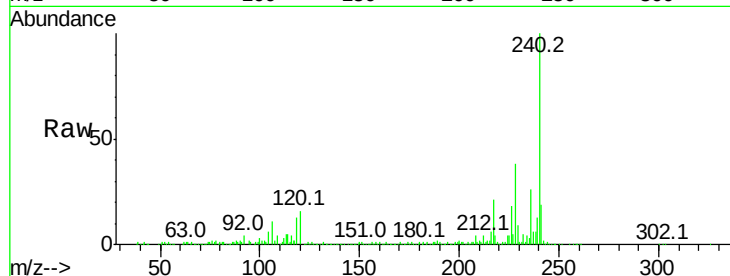
120 15.7 5.8 8.8#

236 26.2 20.5 30.7

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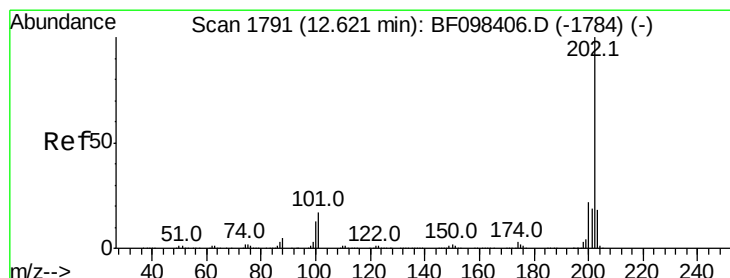
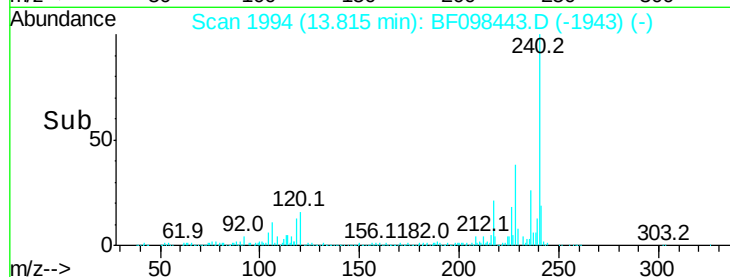
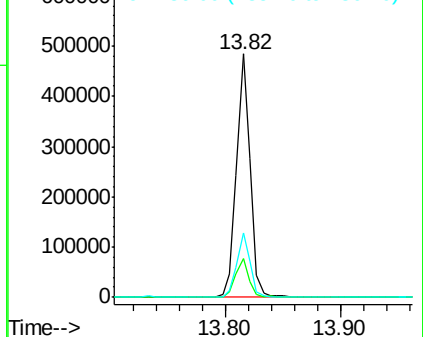
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 57.010 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BF098443.D

Acq: 12 Sep 2017 10:41

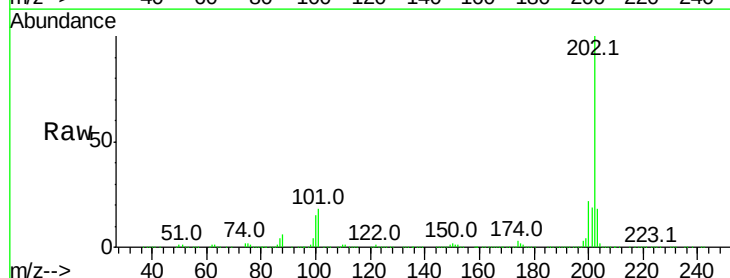
Tgt Ion:202 Resp: 1788520

Ion Ratio Lower Upper

202 100

200 22.0 17.6 26.4

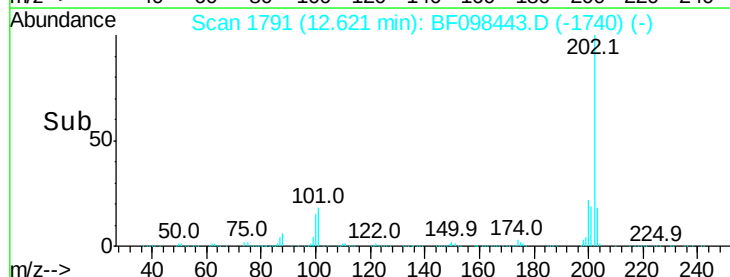
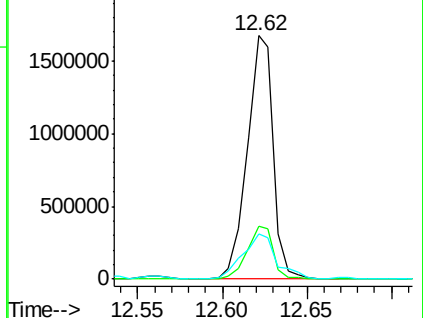
203 18.4 14.4 21.6

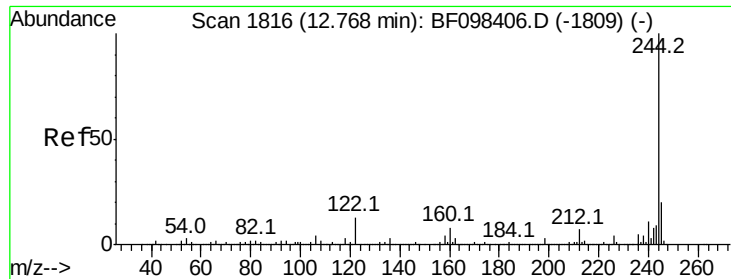


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 0.408 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BF098443.D

Acq: 12 Sep 2017 10:41

Instrument :

BNA_F

ClientSampleID :

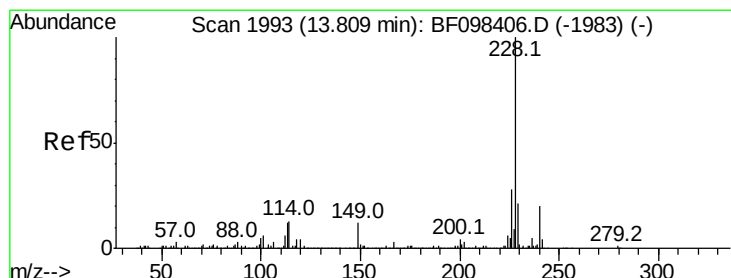
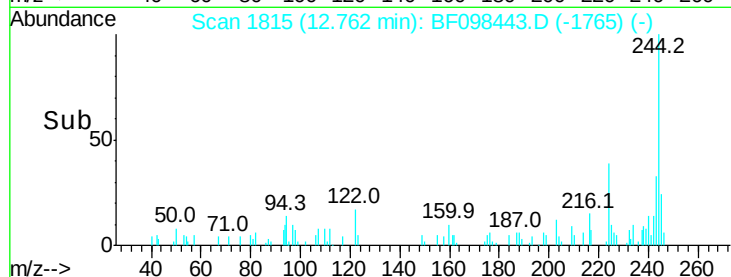
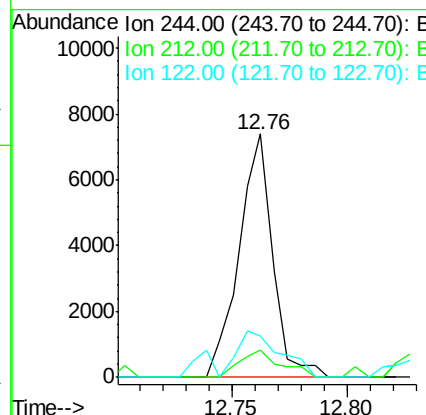
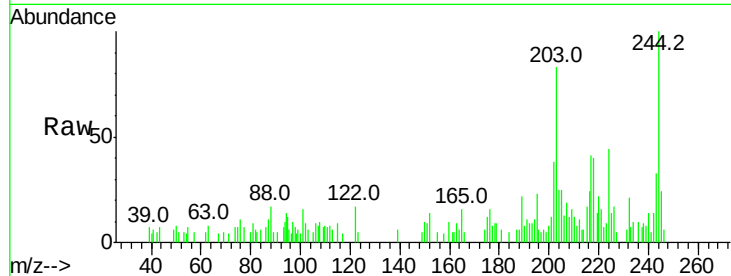
NYSEG-PH4-ESMI2-6DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	11.2	6.0	9.0#
122	17.0	10.3	15.5#

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#80

Benzo(a)anthracene

Concen: 30.288 ng m

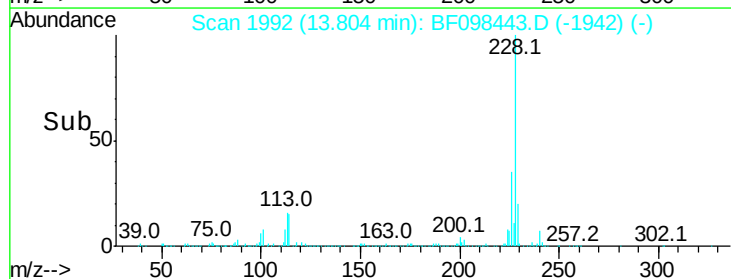
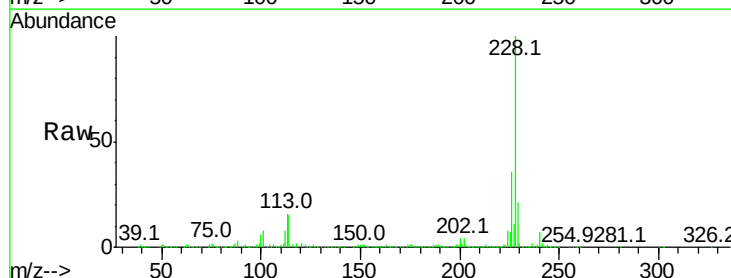
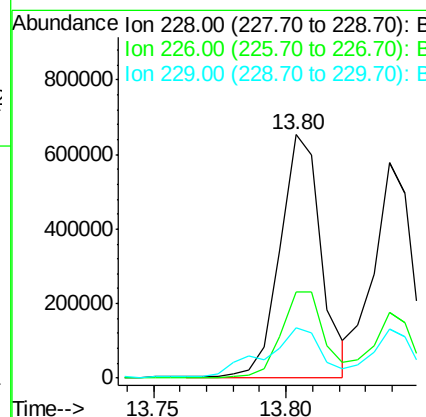
RT: 13.80 min Scan# 1992

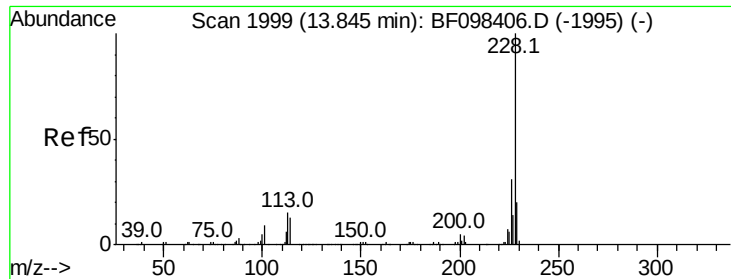
Delta R.T. -0.01 min

Lab File: BF098443.D

Acq: 12 Sep 2017 10:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.6	22.6	33.8#
229	20.9	16.3	24.5





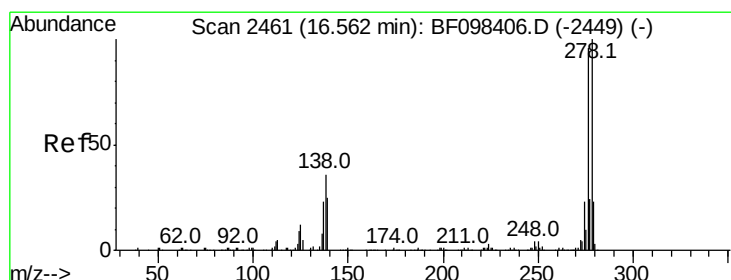
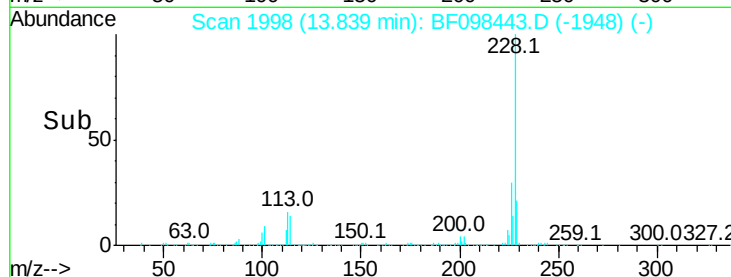
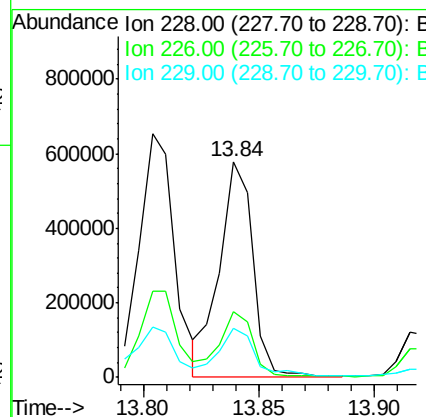
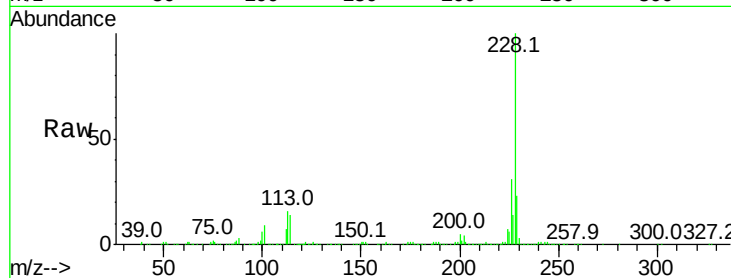
#82
Chrysene
Concen: 24.615 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF098443.D
Acq: 12 Sep 2017 10:41

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.9	37.3
229	22.5	15.8	23.6

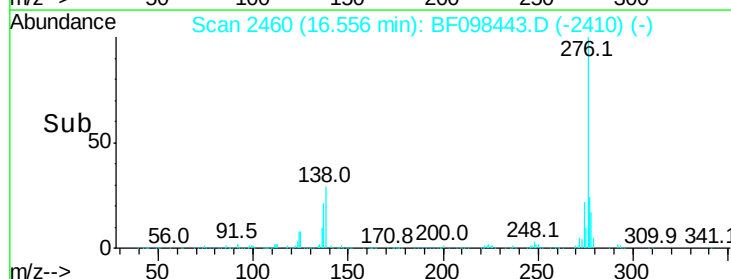
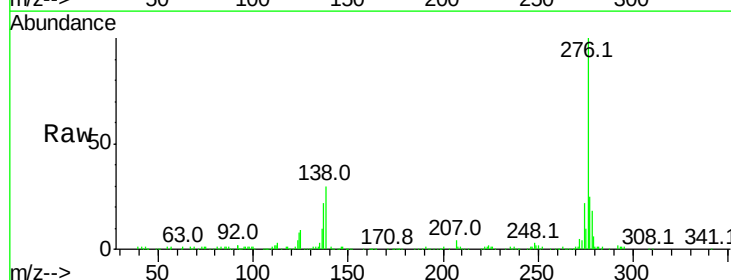
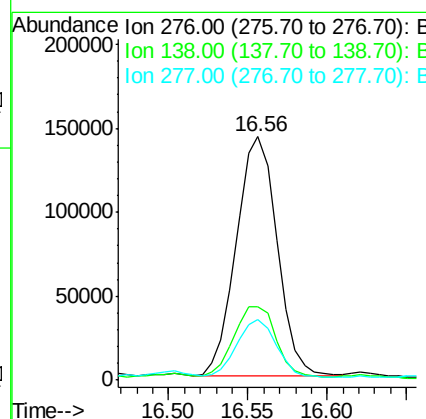
Manual Integrations
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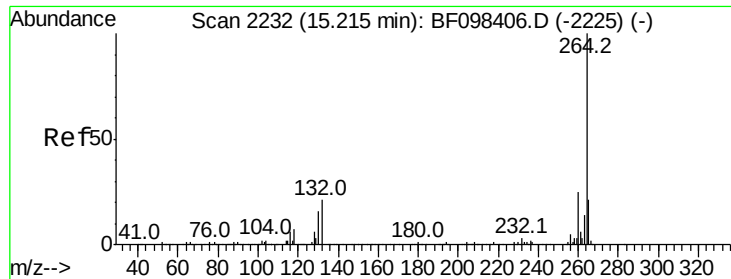
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#85
Indeno(1,2,3-cd)pyrene
Concen: 15.384 ng
RT: 16.56 min Scan# 2460
Delta R.T. -0.01 min
Lab File: BF098443.D
Acq: 12 Sep 2017 10:41

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.9	27.8	41.6
277	23.8	20.2	30.4





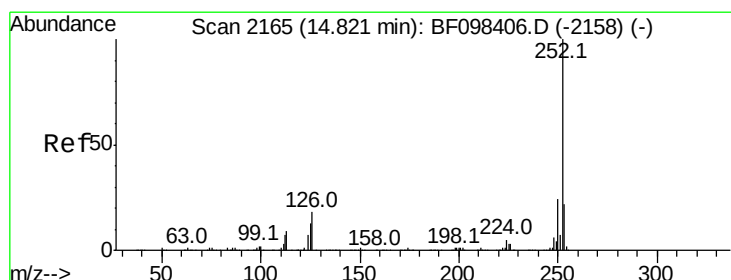
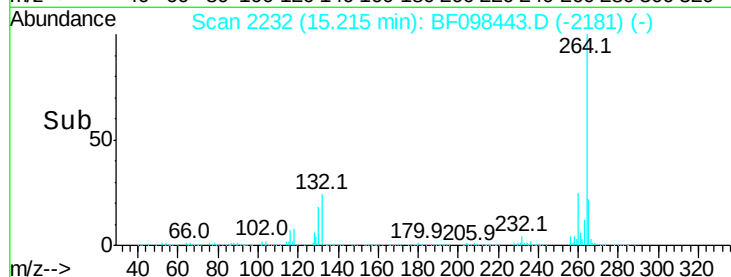
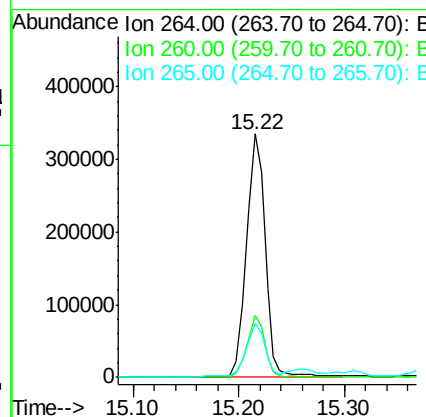
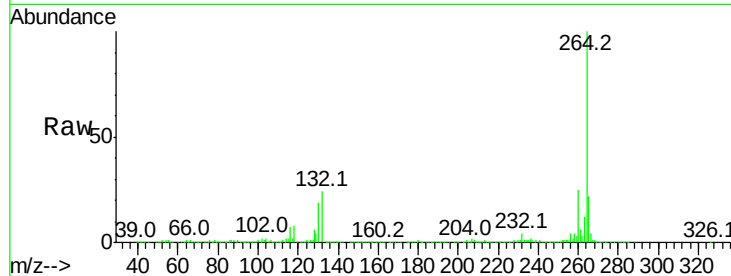
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.22 min Scan# 2232
Delta R.T. 0.00 min
Lab File: BF098443.D
Acq: 12 Sep 2017 10:41

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.5	29.3
265	22.3	17.2	25.8

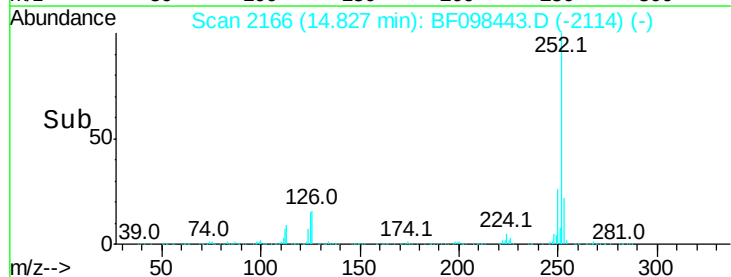
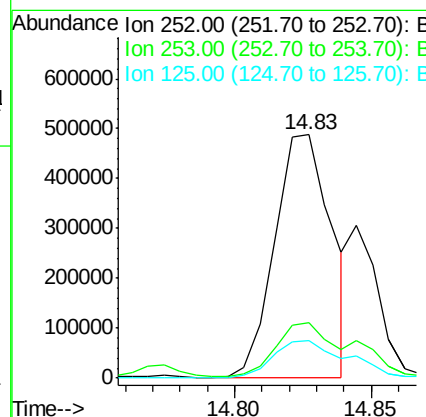
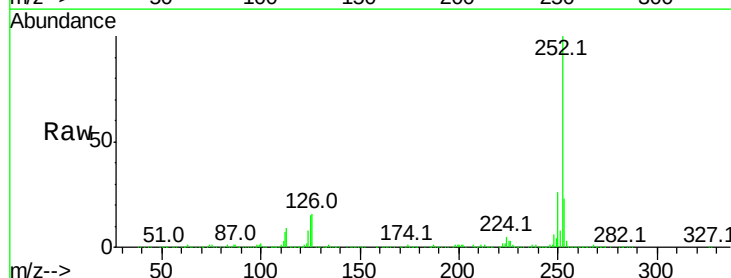
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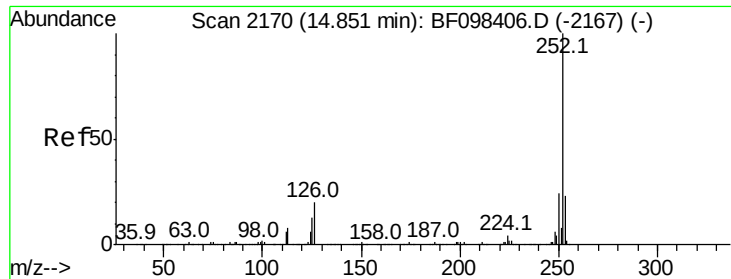
Sohil
9/12/2017 6:02:32 PM



#87
Benzo(b)fluoranthene
Concen: 27.264 ng m
RT: 14.83 min Scan# 2166
Delta R.T. 0.01 min
Lab File: BF098443.D
Acq: 12 Sep 2017 10:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	15.3	9.8	14.8#





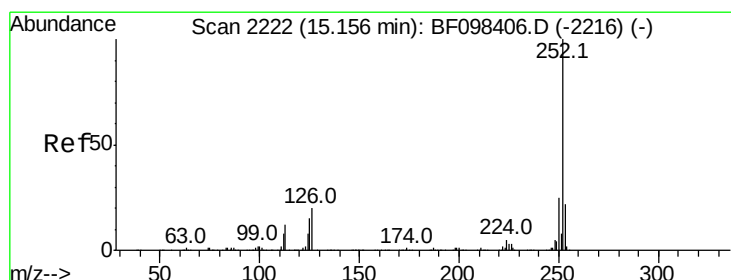
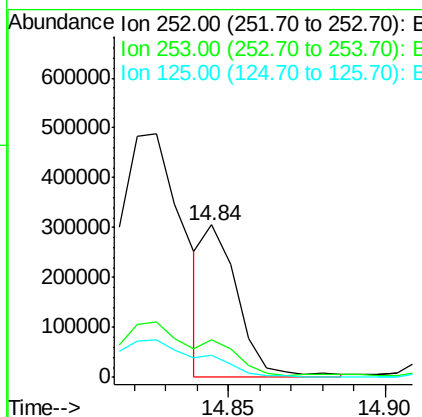
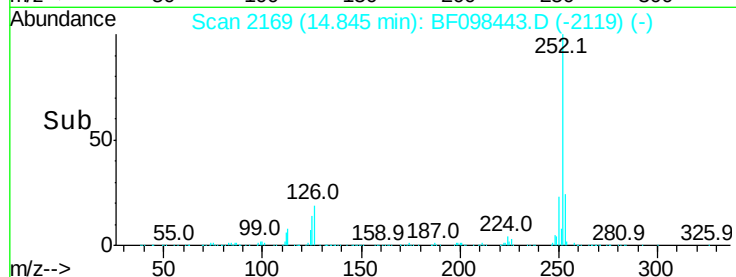
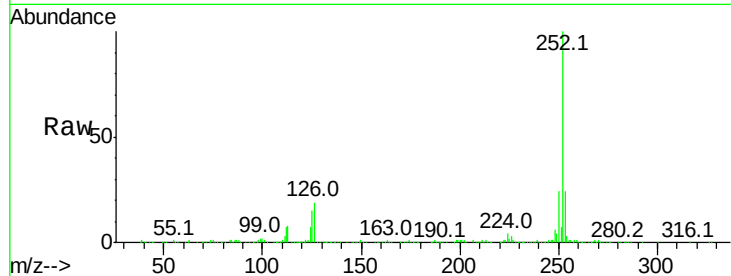
#88
Benzo(k)fluoranthene
Concen: 9.622 ng m
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF098443.D
Acq: 12 Sep 2017 10:41

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.4	27.6
125	14.8	13.1	19.7

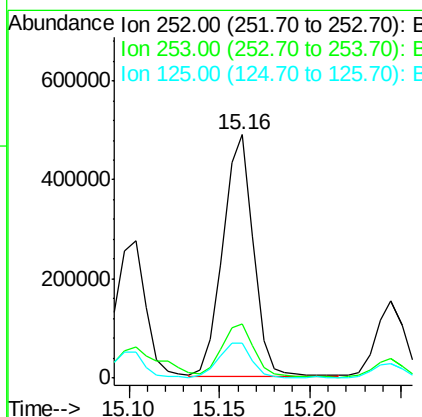
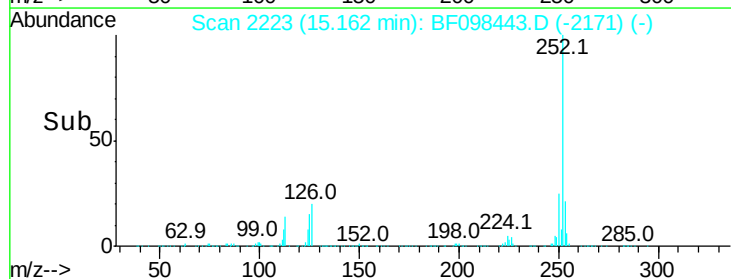
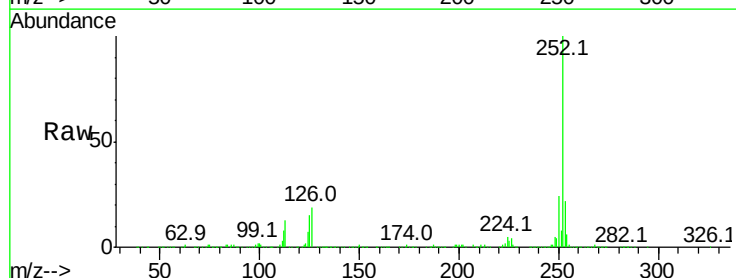
Manual Integrations
APPROVED

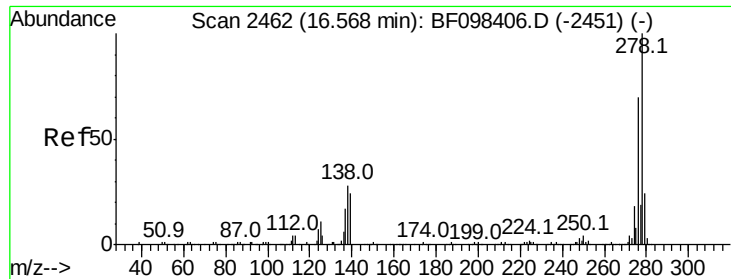
Sohil
9/12/2017 6:02:32 PM



#89
Benzo(a)pyrene
Concen: 24.839 ng
RT: 15.16 min Scan# 2223
Delta R.T. 0.01 min
Lab File: BF098443.D
Acq: 12 Sep 2017 10:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	14.5	11.0	16.4





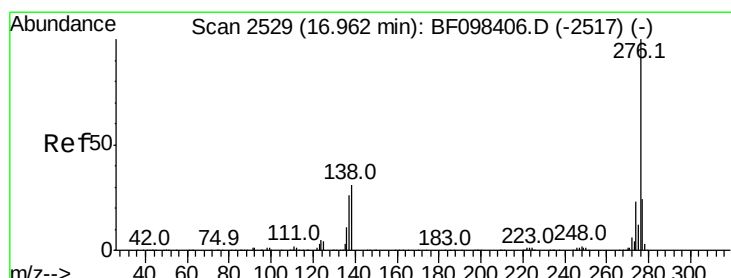
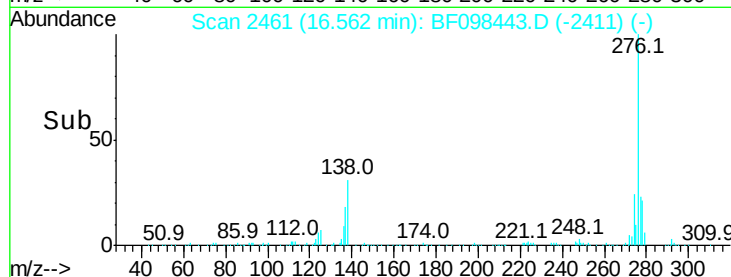
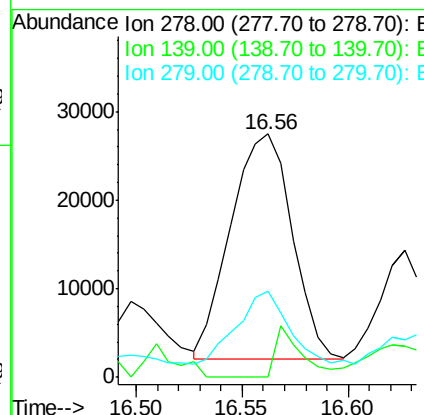
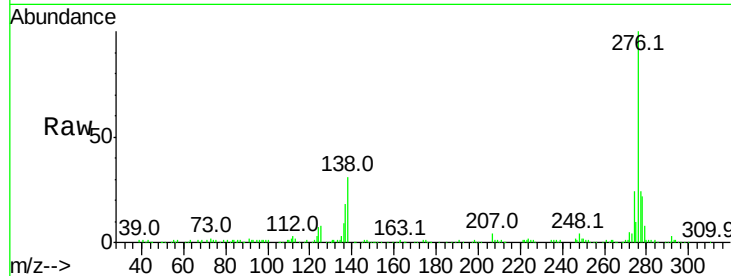
#90
Dibenzo(a,h)anthracene
Concen: 3.044 ng m
RT: 16.56 min Scan# 2461
Delta R.T. -0.01 min
Lab File: BF098443.D
Acq: 12 Sep 2017 10:41

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

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8#
279	35.2	19.3	28.9#

Manual Integrations
APPROVED

Sohil
9/12/2017 6:02:32 PM



#91
Benzo(g,h,i)perylene
Concen: 13.944 ng
RT: 16.96 min Scan# 2529
Delta R.T. 0.00 min
Lab File: BF098443.D
Acq: 12 Sep 2017 10:41

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.6	28.0
138	31.7	25.4	38.0

