

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091117\
 Data File : BF098441.D
 Acq On : 12 Sep 2017 9:46
 Operator : SJ/JU
 Sample : I5151-03DL 250X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI2-3DL

Manual Integrations
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Sohil
 9/12/2017 6:02:29 PM

Quant Time: Sep 12 12:02:59 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	230587	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	933019	20.00	ng	0.00
38) Acenaphthene-d10	9.70	164	378735	20.00	ng	0.00
63) Phenanthrene-d10	11.18	188	548716	20.00	ng	0.00
75) Chrysene-d12	13.82	240	375183	20.00	ng	0.00
86) Perylene-d12	15.22	264	380917	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	4882	0.31	ng	0.02
7) Phenol-d6	6.34	99	8062	0.41	ng	0.02
23) Nitrobenzene-d5	7.24	82	5099	0.30	ng	0.00
41) 2,4,6-Tribromophenol	10.49	330	418	0.17	ng	0.00
44) 2-Fluorobiphenyl	9.02	172	9371	0.42	ng	-0.01
78) Terphenyl-d14	12.76	244	5088	0.29	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	7.98	128	2890824	62.675	ng	99
37) 2-Methylnaphthalene	8.66	142	606207	21.697	ng	98
45) 1,1'-Biphenyl	9.13	154	186810	5.511	ng	98
48) Acenaphthylene	9.56	152	115212	3.201	ng	# 95
51) Acenaphthene	9.73	154	644222	28.155	ng	98
54) Dibenzofuran	9.90	168	542833	18.008	ng	98
57) Fluorene	10.25	166	463156	18.563	ng	99
70) Phenanthrene	11.21	178	1856753	63.830	ng	99
71) Anthracene	11.26	178	567296	18.995	ng	98
72) Carbazole	11.42	167	162771	5.848	ng	97
74) Fluoranthene	12.39	202	1119864	38.456	ng	98
77) Pyrene	12.62	202	951401	32.145	ng	99
80) Benzo(a)anthracene	13.80	228	356470m	16.206	ng	
82) Chrysene	13.84	228	288343m	12.968	ng	
85) Indeno(1,2,3-cd)pyrene	16.55	276	132141	8.471	ng	96
87) Benzo(b)fluoranthene	14.82	252	387558m	16.181	ng	
88) Benzo(k)fluoranthene	14.84	252	106825m	4.778	ng	
89) Benzo(a)pyrene	15.16	252	304893	14.289	ng	96
91) Benzo(a,h,i)perylene	16.96	276	121745	7.798	ng	99

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

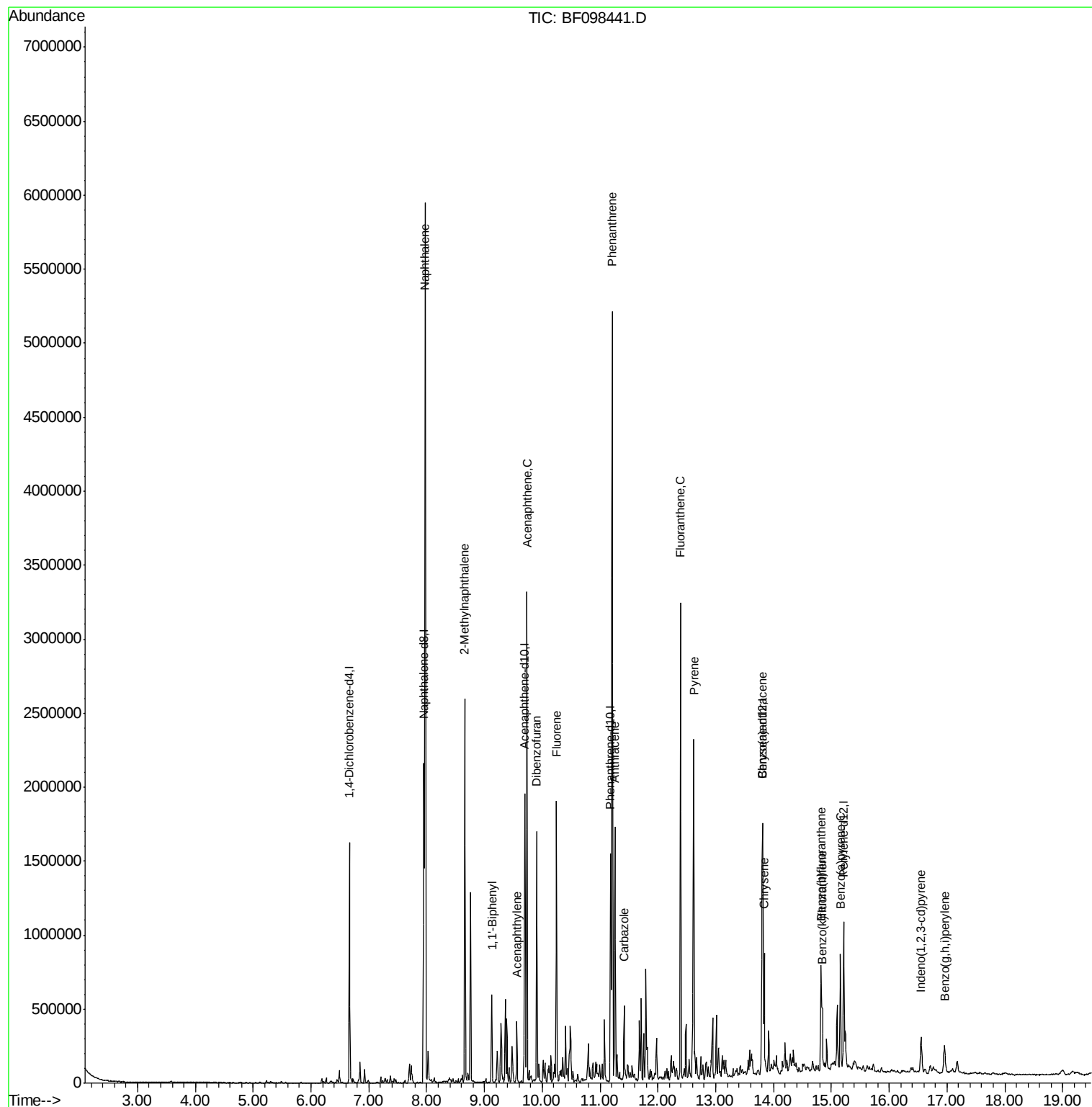
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF091117\
Data File : BF098441.D
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Misc :
ALS Vial : 29 Sample Multiplier: 1

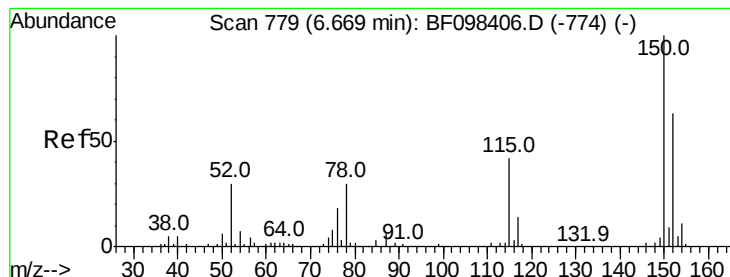
Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-3DL

Manual Integrations
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Quant Time: Sep 12 12:02:59 2017
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#1

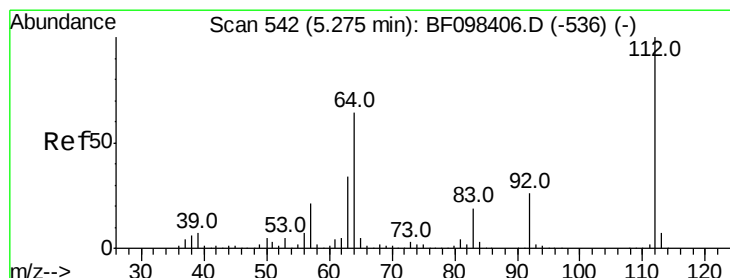
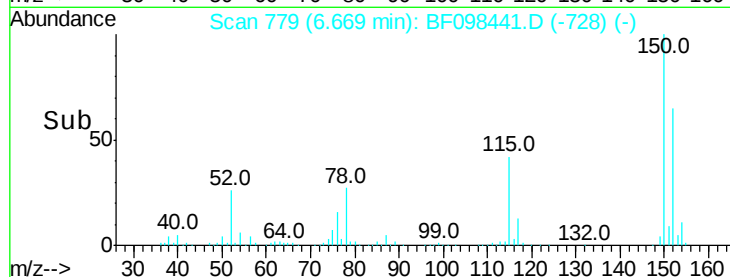
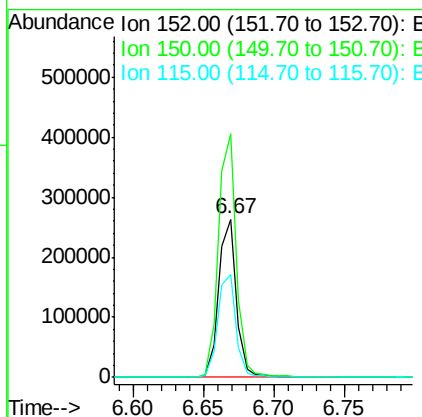
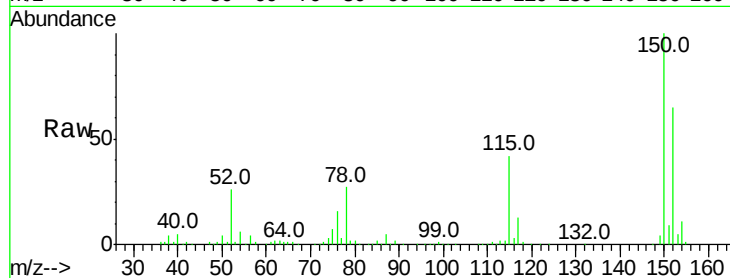
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. 0.00 min
Lab File: BF098441.D
Acq: 12 Sep 2017 9:46

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-3DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	126.2	189.2
115	64.8	52.2	78.2

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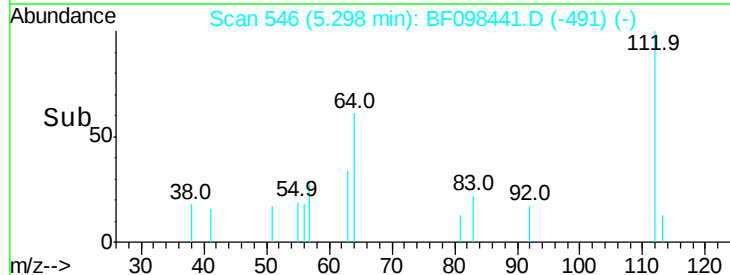
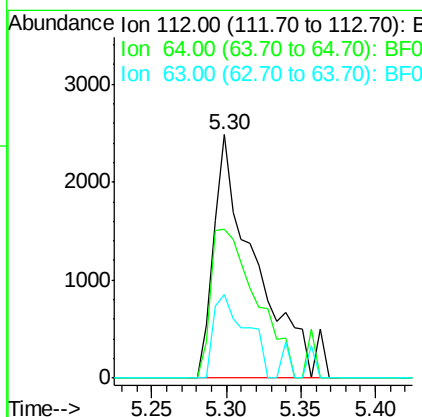
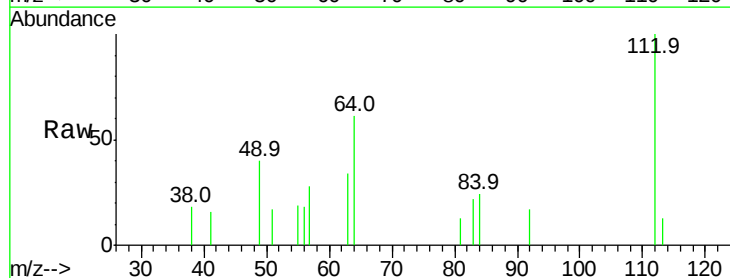
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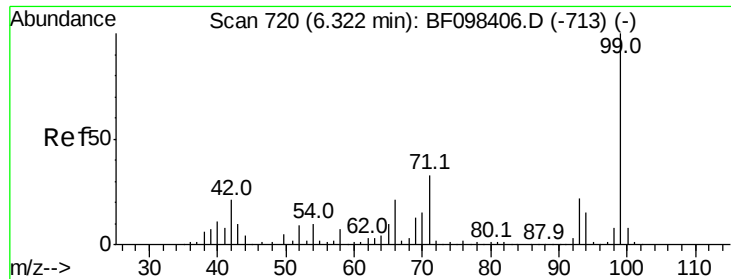


#5

2-Fluorophenol
Concen: 0.313 ng
RT: 5.30 min Scan# 546
Delta R.T. 0.02 min
Lab File: BF098441.D
Acq: 12 Sep 2017 9:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.3	46.0	69.0
63	34.1	23.4	35.0





#7

Phenol-d6

Concen: 0.407 ng

RT: 6.34 min Scan# 723

Delta R.T. 0.02 min

Lab File: BF098441.D

Acq: 12 Sep 2017 9:46

Instrument :

BNA_F

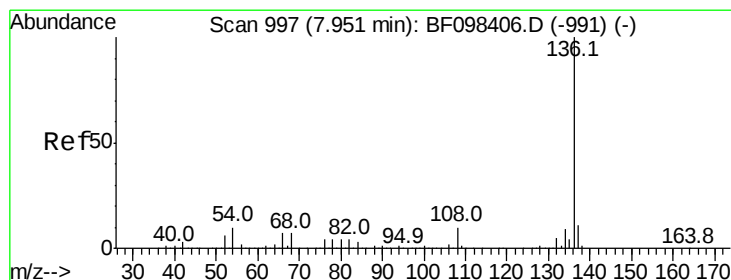
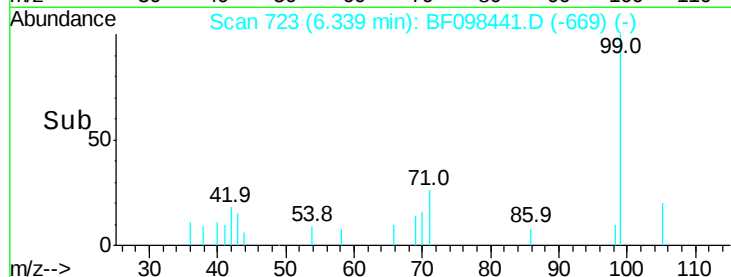
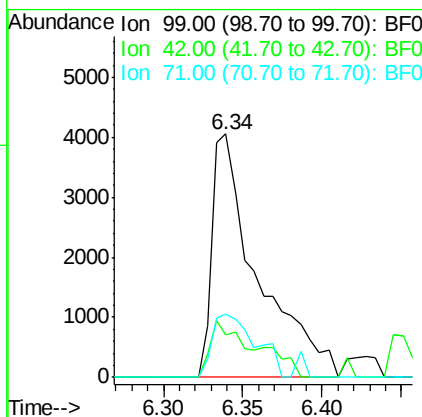
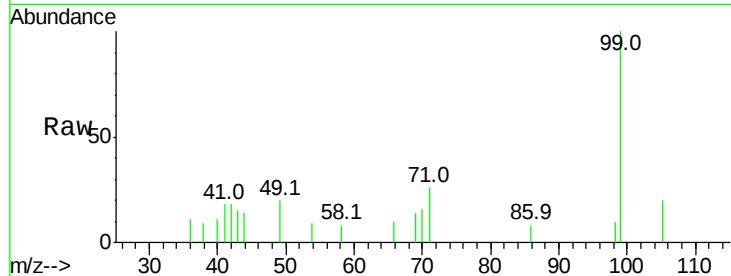
ClientSampleId :

NYSEG-PH4-ESMI2-3DL

Tot Ion:	99	Resp:	8062
Ion Ratio	Lower	Upper	
99	100		
42	17.7	13.5	20.3
71	26.2	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

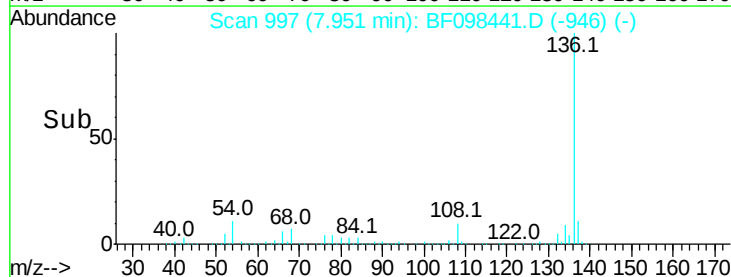
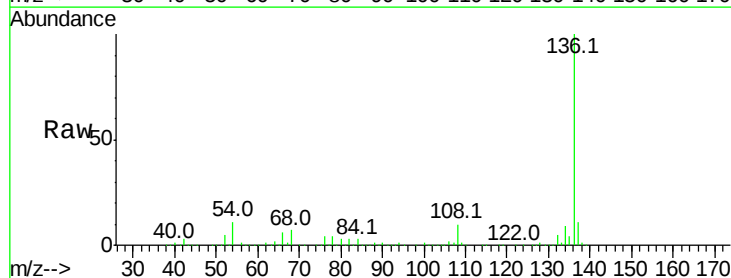
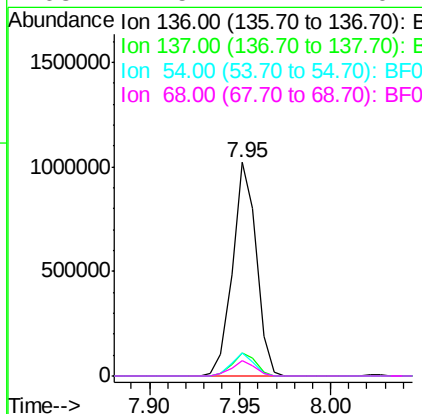
RT: 7.95 min Scan# 997

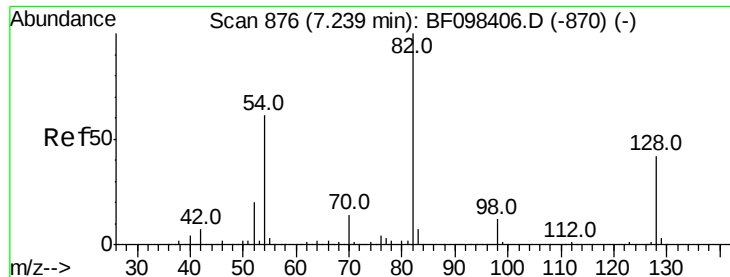
Delta R.T. 0.00 min

Lab File: BF098441.D

Acq: 12 Sep 2017 9:46

Tgt Ion:	136	Resp:	933019
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.5	12.7
54	10.8	4.9	7.3#
68	7.5	4.1	6.1#





#23

Nitrobenzene-d5

Concen: 0.305 ng

RT: 7.24 min Scan# 876

Delta R.T. 0.00 min

Lab File: BF098441.D

Acq: 12 Sep 2017 9:46

Instrument :

BNA_F

ClientSampleID :

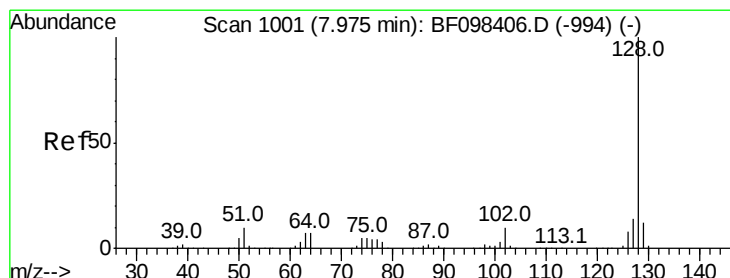
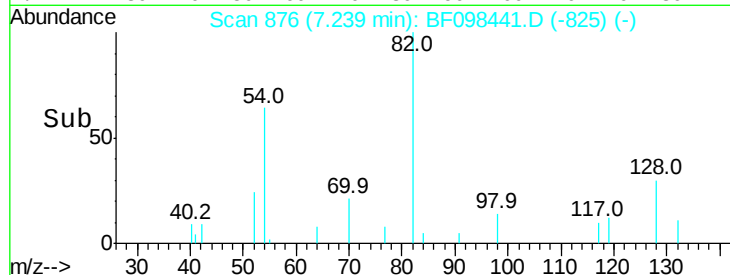
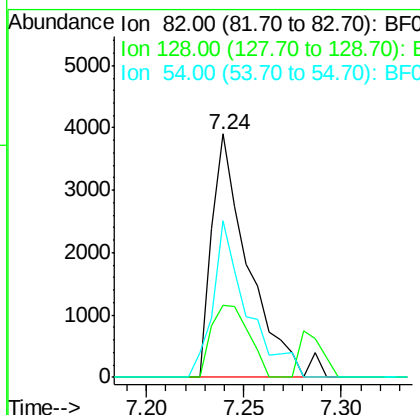
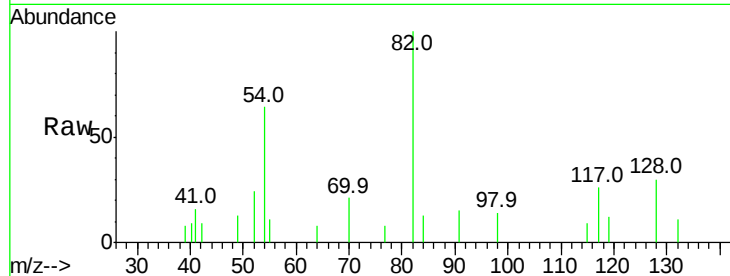
NYSEG-PH4-ESMI2-3DL

Tot Ion:	82	Resp:	5099
Ion Ratio	Lower	Upper	
82	100		
128	29.7	34.0	51.0#
54	64.4	42.2	63.2#

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#31

Naphthalene

Concen: 62.675 ng

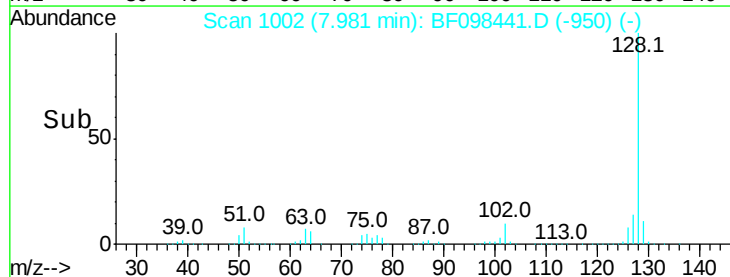
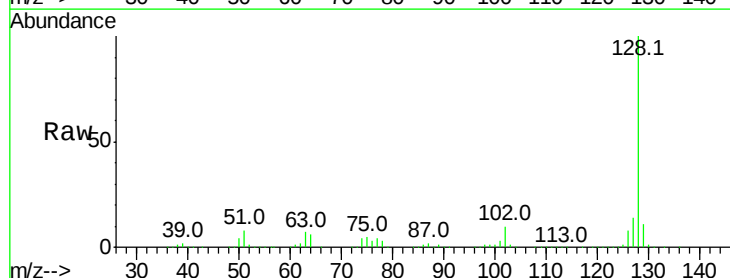
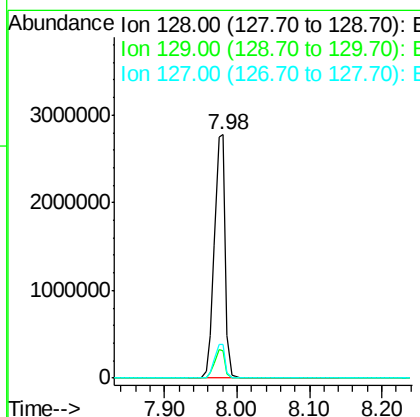
RT: 7.98 min Scan# 1002

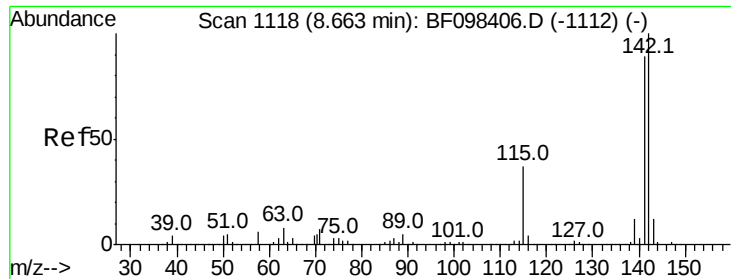
Delta R.T. 0.01 min

Lab File: BF098441.D

Acq: 12 Sep 2017 9:46

Tgt Ion:	128	Resp:	2890824
Ion Ratio	Lower	Upper	
128	100		
129	11.1	9.0	13.6
127	13.8	10.8	16.2





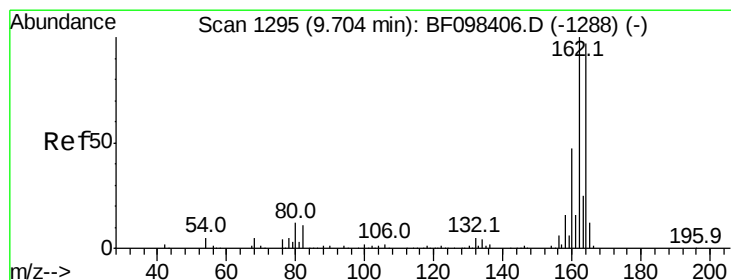
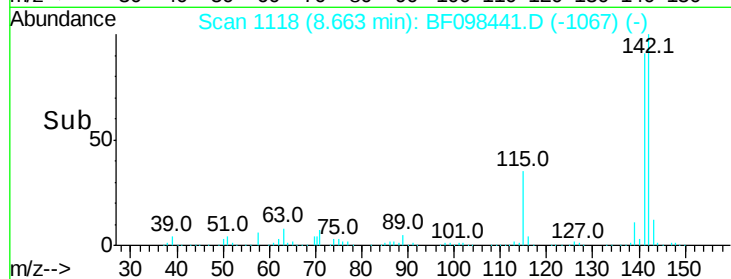
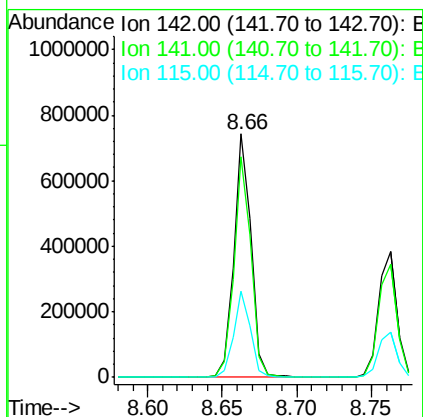
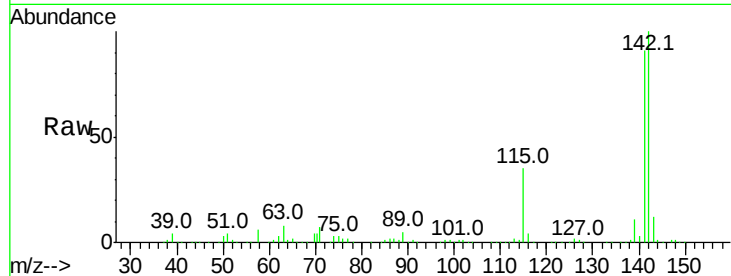
#37
2-Methylnaphthalene
Concen: 21.697 ng
RT: 8.66 min Scan# 1118
Delta R.T. 0.00 min
Lab File: BF098441.D
Acq: 12 Sep 2017 9:46

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-3DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.8	71.3	106.9
115	35.4	27.1	40.7

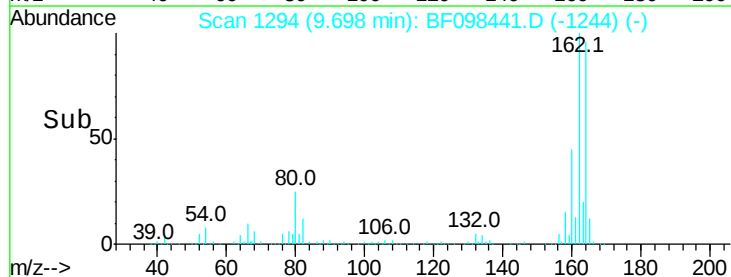
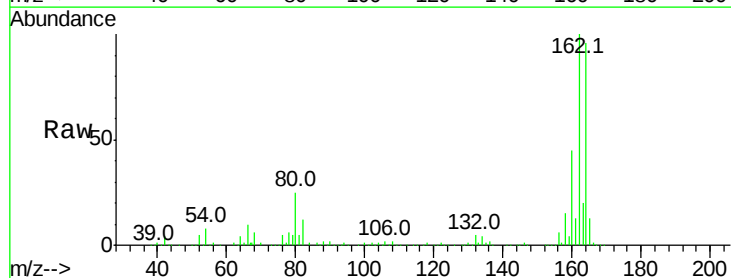
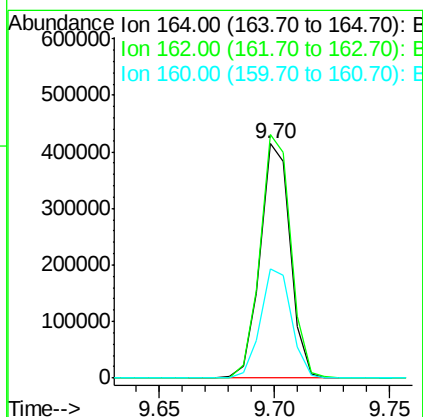
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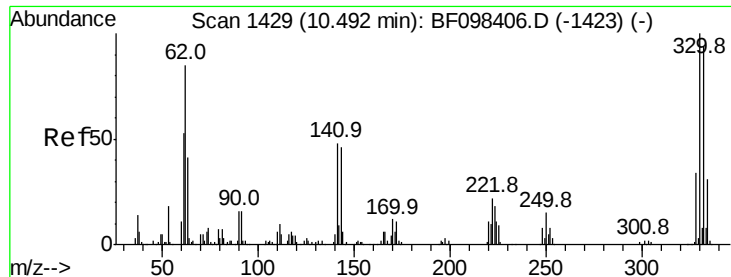
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BF098441.D
Acq: 12 Sep 2017 9:46

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.0	82.6	123.8
160	46.6	36.2	54.2





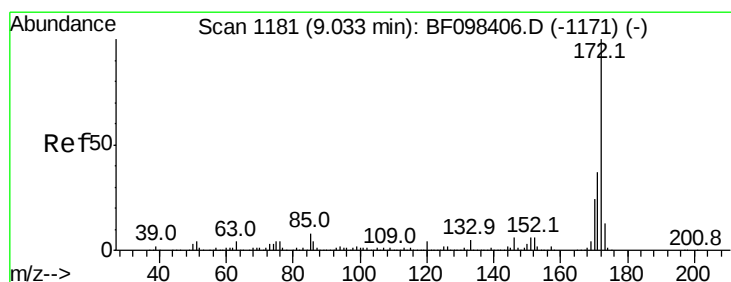
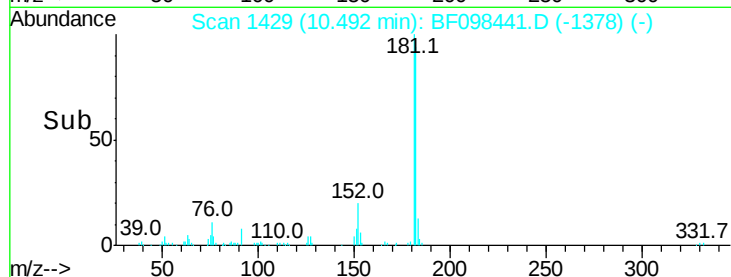
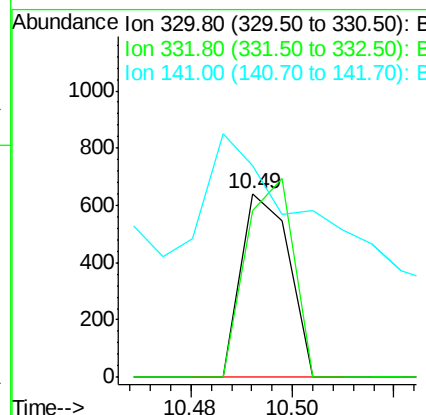
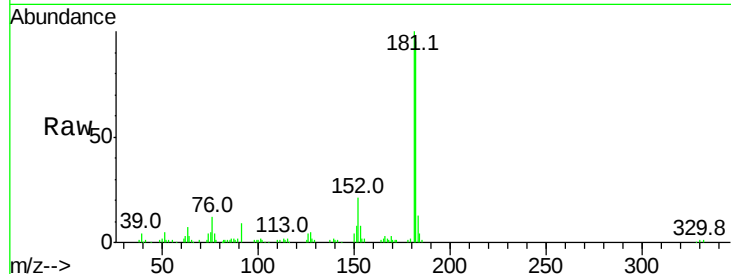
#41
 2,4,6-Tribromophenol
 Concen: 0.165 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. 0.00 min
 Lab File: BF098441.D
 Acq: 12 Sep 2017 9:46

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI2-3DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	107.7	76.6	115.0
141	552.6	31.4	47.2#

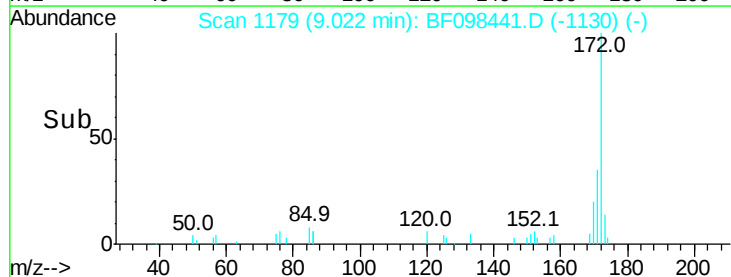
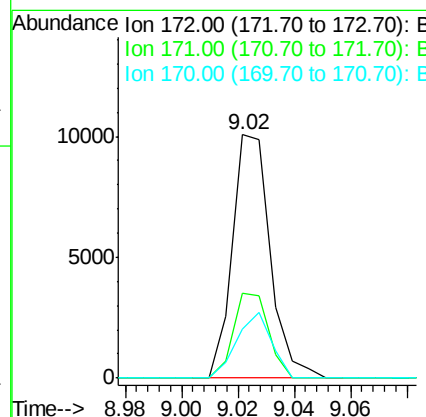
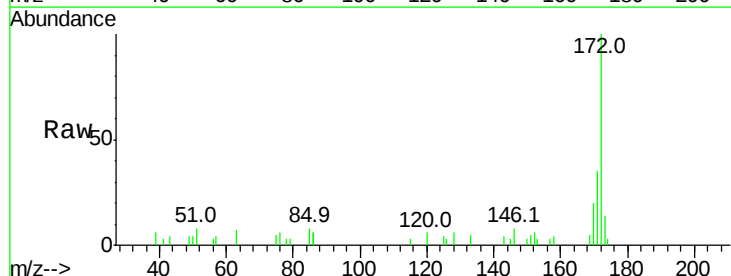
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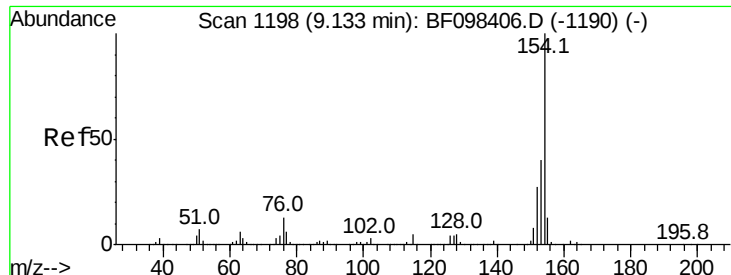
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#44
 2-Fluorobiphenyl
 Concen: 0.419 ng
 RT: 9.02 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: BF098441.D
 Acq: 12 Sep 2017 9:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.6	44.4
170	20.3	19.8	29.8





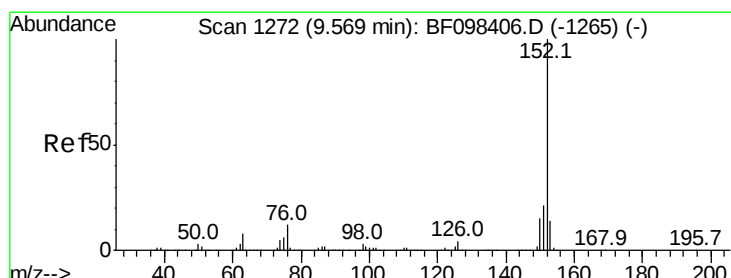
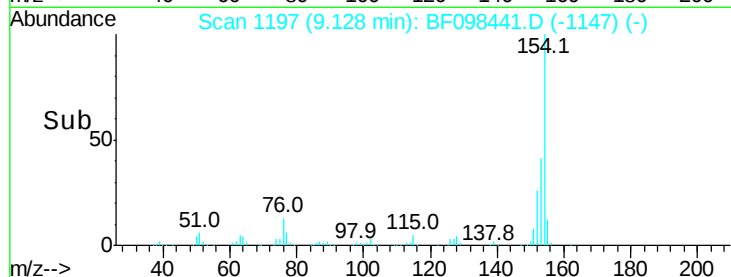
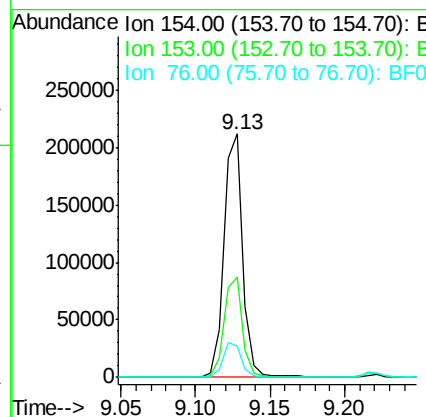
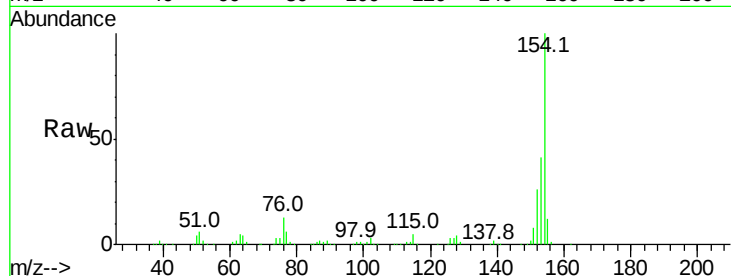
#45
 1,1'-Biphenyl
 Concen: 5.511 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: BF098441.D
 Acq: 12 Sep 2017 9:46

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI2-3DL

Tot Ion:	154	Resp:	186810
Ion Ratio	Lower	Upper	
154	100		
153	41.2	21.2	61.2
76	12.9	0.0	29.9

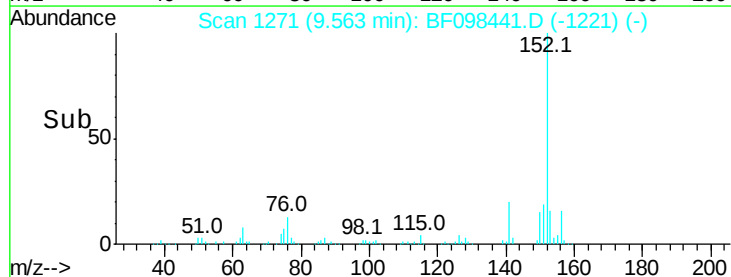
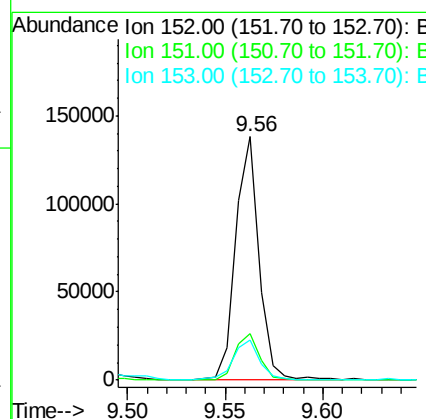
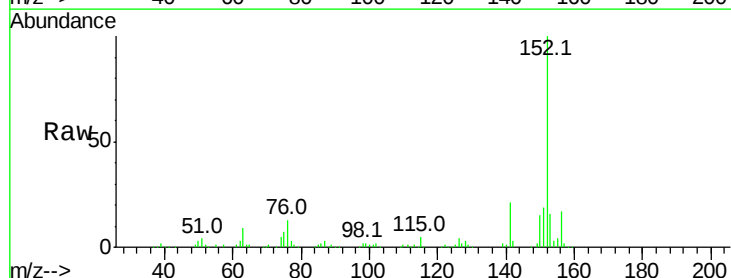
Manual Integrations
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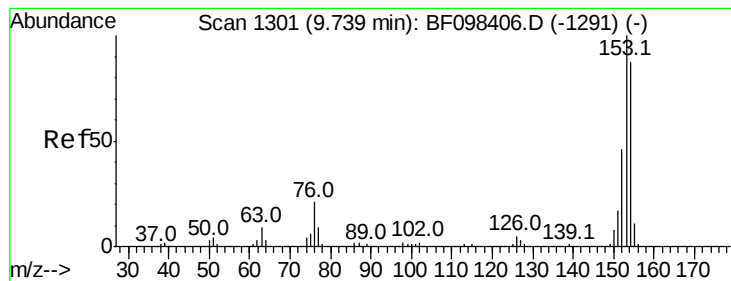
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#48
 Acenaphthylene
 Concen: 3.201 ng
 RT: 9.56 min Scan# 1271
 Delta R.T. -0.01 min
 Lab File: BF098441.D
 Acq: 12 Sep 2017 9:46

Tgt Ion:	152	Resp:	115212
Ion Ratio	Lower	Upper	
152	100		
151	19.3	16.8	25.2
153	16.4	10.8	16.2#





#51

Acenaphthene

Concen: 28.155 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF098441.D

Acq: 12 Sep 2017 9:46

Instrument :

BNA_F

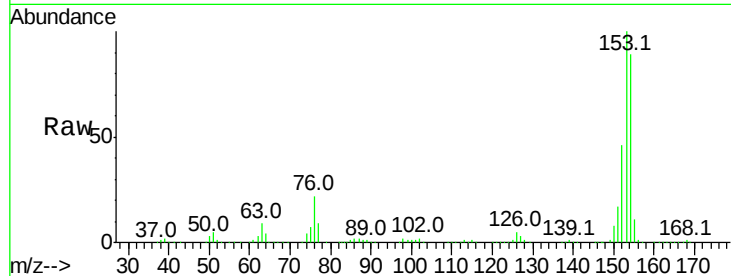
ClientSampleId :

NYSEG-PH4-ESMI2-3DL

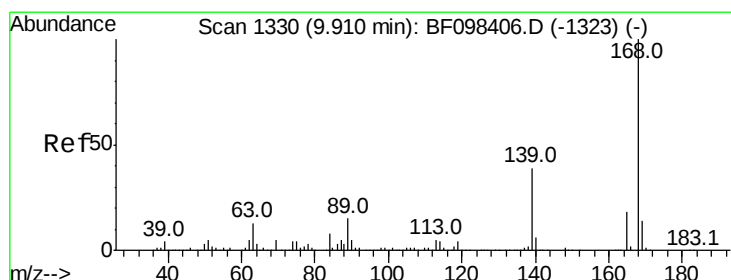
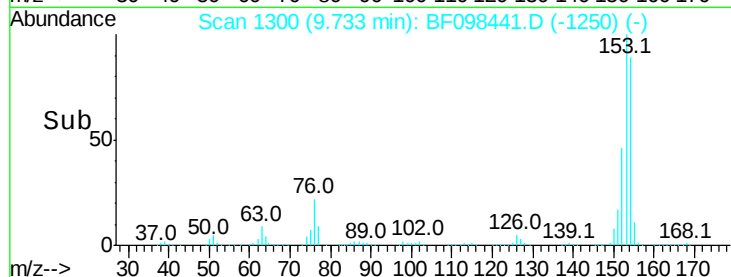
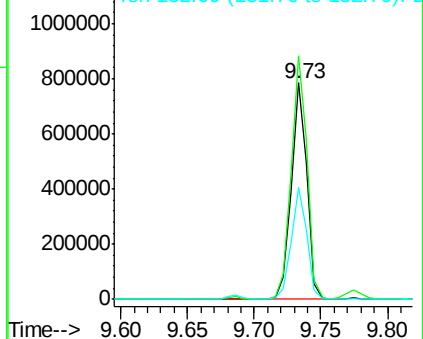
Tot Ion:	154	Resp:	644222
Ion Ratio	Lower	Upper	
154	100		
153	112.4	90.5	135.7
152	51.8	43.6	65.4

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: 18.008 ng

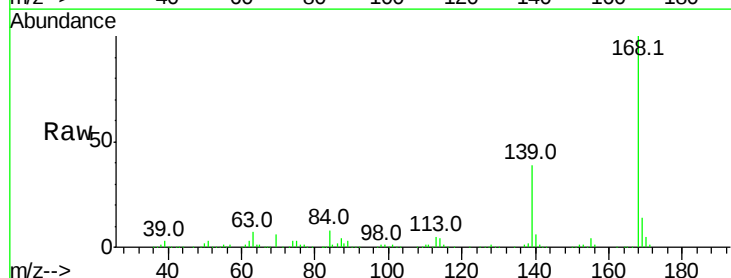
RT: 9.90 min Scan# 1329

Delta R.T. -0.01 min

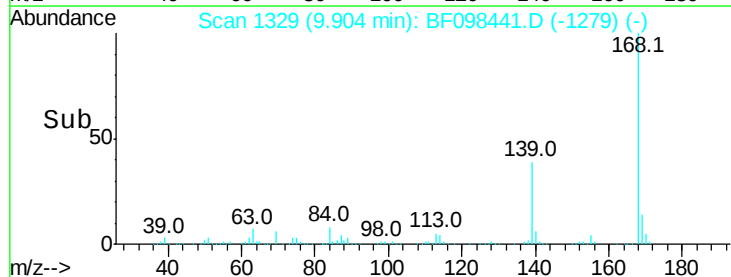
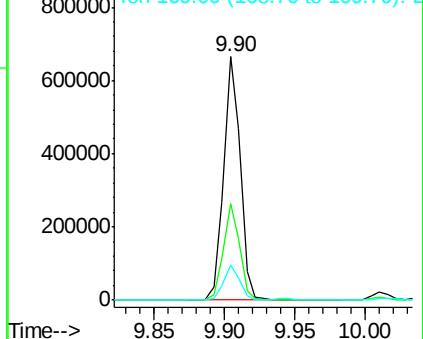
Lab File: BF098441.D

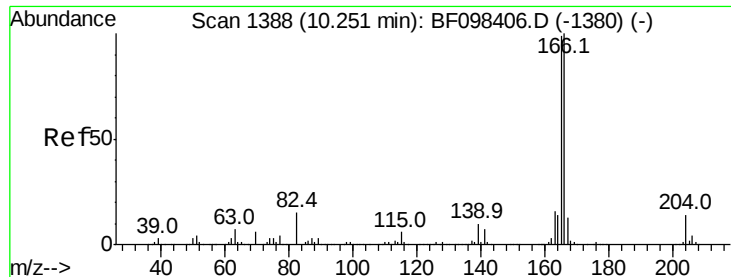
Acq: 12 Sep 2017 9:46

Tgt Ion:	168	Resp:	542833
Ion Ratio	Lower	Upper	
168	100		
139	39.5	30.6	45.8
169	14.5	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: 18.563 ng

RT: 10.25 min Scan# 1387

Delta R.T. -0.01 min

Lab File: BF098441.D

Acq: 12 Sep 2017 9:46

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI2-3DL

Tot Ion:166 Resp: 463156

Ion Ratio Lower Upper

166 100

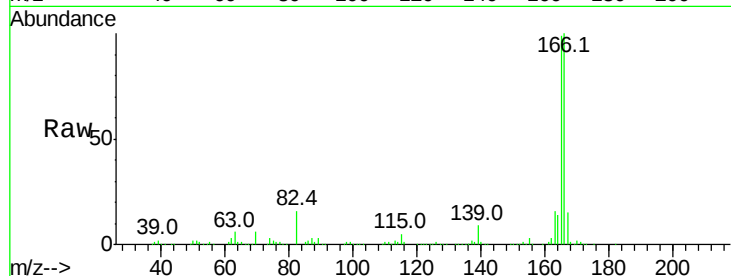
165 98.9 78.8 118.2

167 14.6 10.6 16.0

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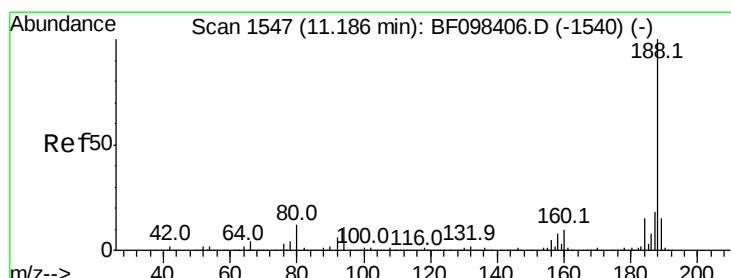
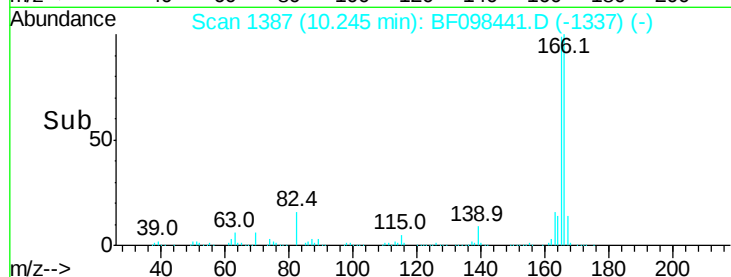
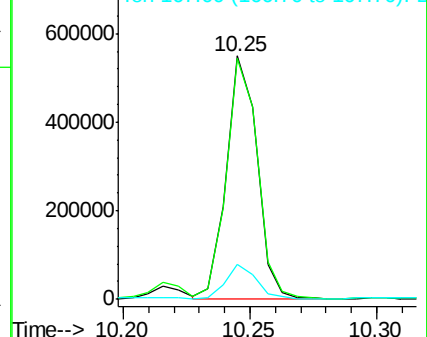
9/12/2017 6:02:29 PM



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: 11.18 min Scan# 1546

Delta R.T. -0.01 min

Lab File: BF098441.D

Acq: 12 Sep 2017 9:46

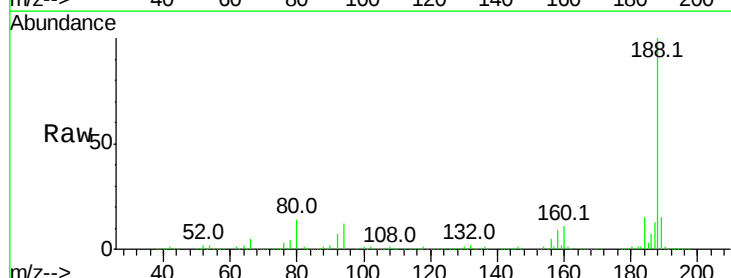
Tgt Ion:188 Resp: 548716

Ion Ratio Lower Upper

188 100

94 12.3 9.4 14.2

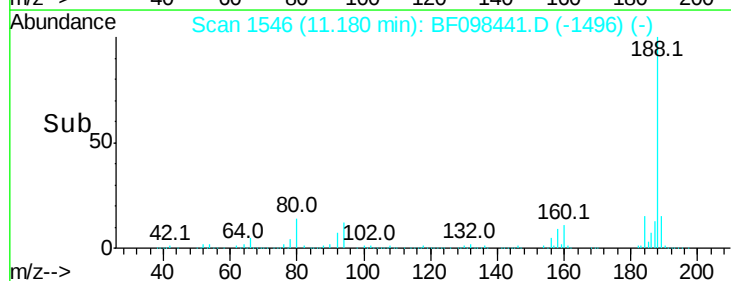
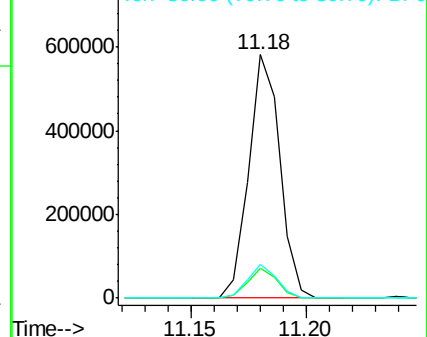
80 13.6 10.2 15.2

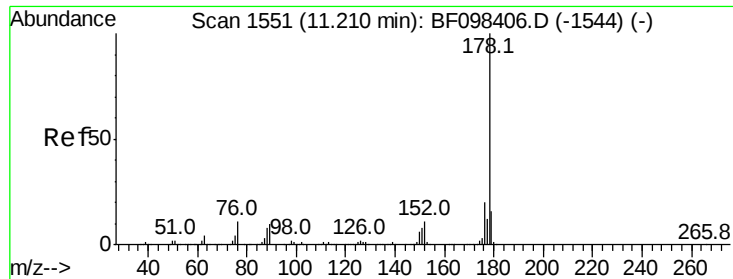


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





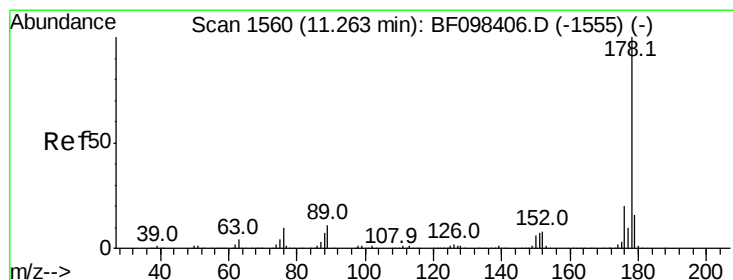
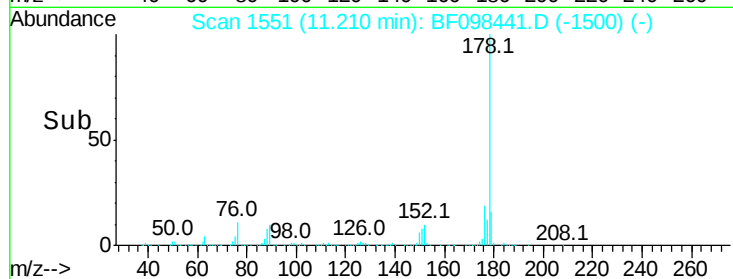
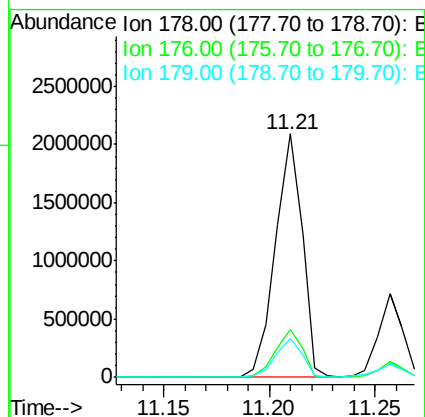
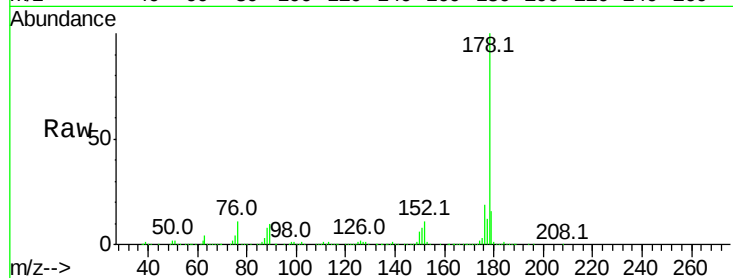
#70
Phenanthrene
Concen: 63.830 ng
RT: 11.21 min Scan# 1551
Delta R.T. 0.00 min
Lab File: BF098441.D
Acq: 12 Sep 2017 9:46

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-3DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.2	24.4
179	15.9	12.6	19.0

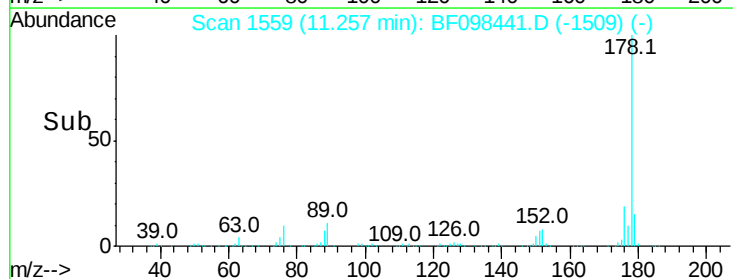
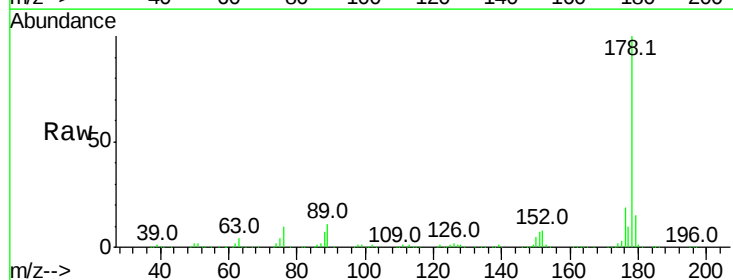
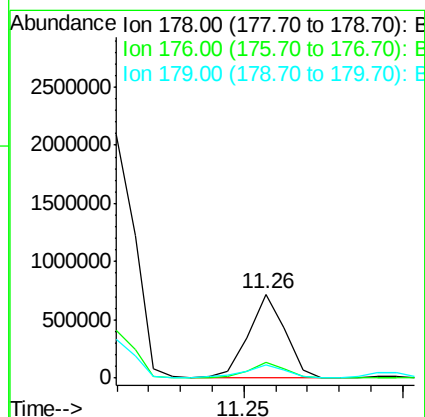
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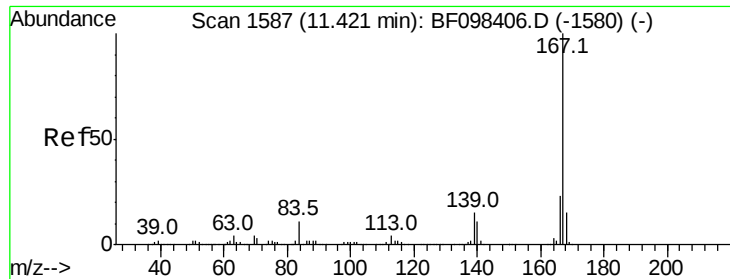
Sohil
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#71
Anthracene
Concen: 18.995 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF098441.D
Acq: 12 Sep 2017 9:46

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	15.2	12.7	19.1





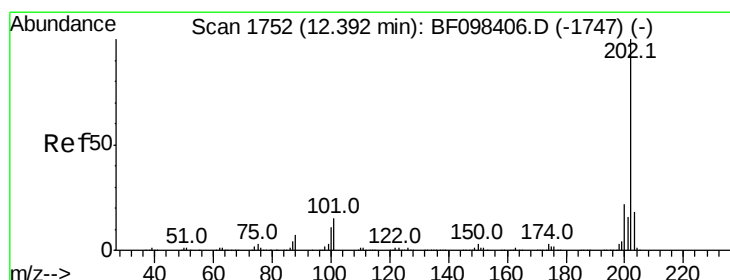
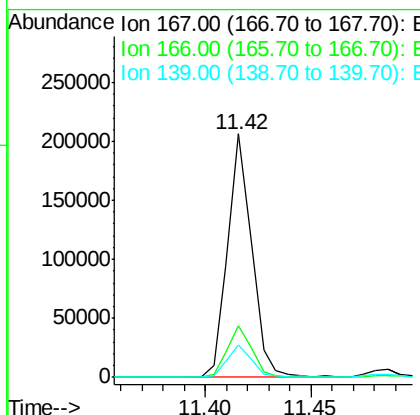
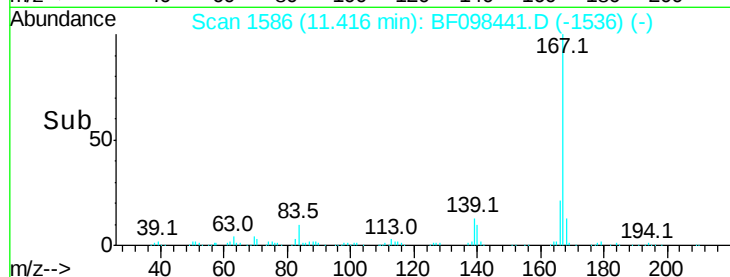
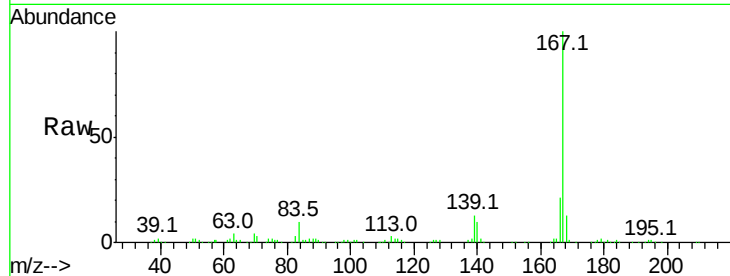
#72
 Carbazole
 Concen: 5.848 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: BF098441.D
 Acq: 12 Sep 2017 9:46

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI2-3DL

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.0	18.1	27.1
139	13.3	11.7	17.5

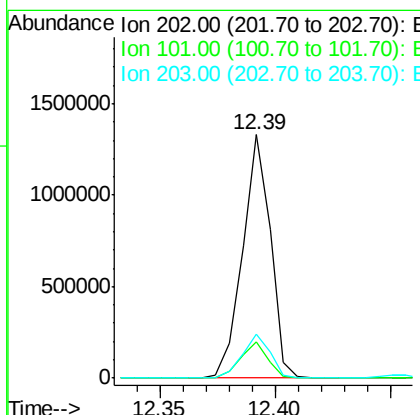
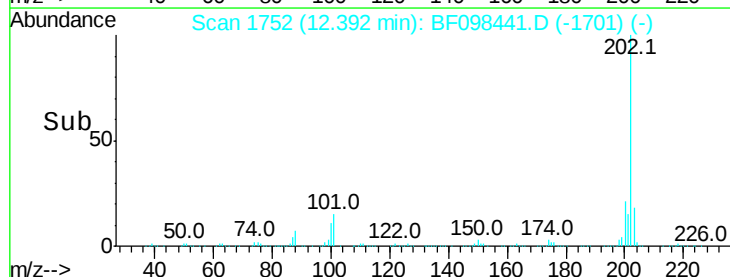
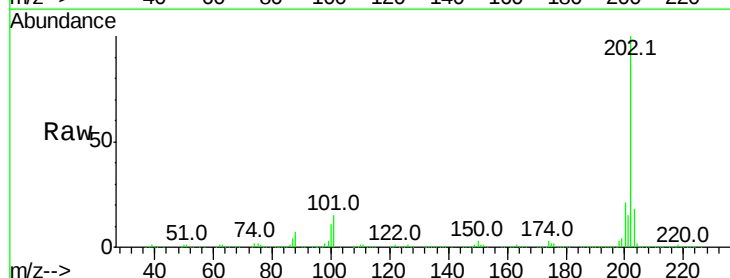
Manual Integrations
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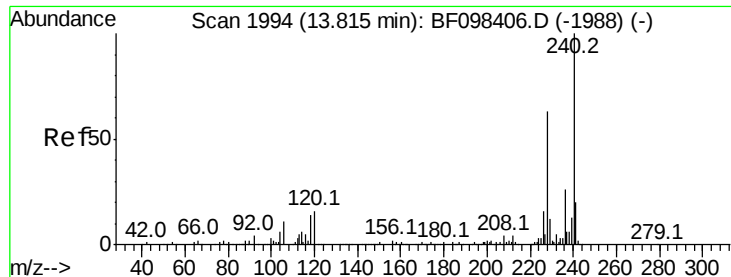
Sohil
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#74
 Fluoranthene
 Concen: 38.456 ng
 RT: 12.39 min Scan# 1752
 Delta R.T. 0.00 min
 Lab File: BF098441.D
 Acq: 12 Sep 2017 9:46

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.7	0.0	33.2
203	18.0	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: BF098441.D

Acq: 12 Sep 2017 9:46

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI2-3DL

Tot Ion:240 Resp: 375183

Ion Ratio Lower Upper

240 100

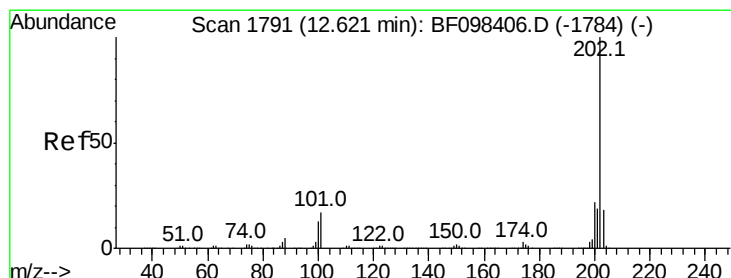
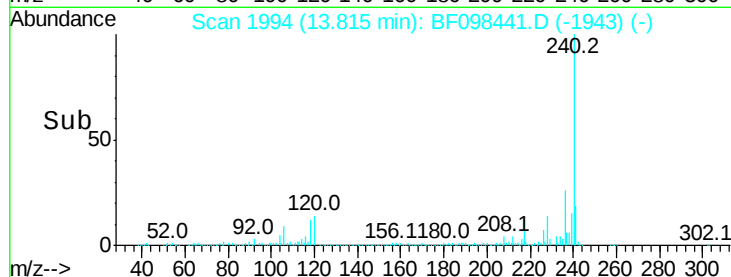
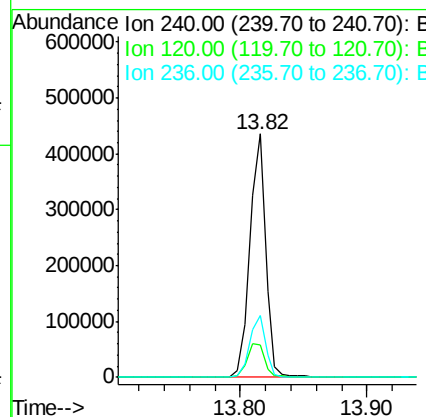
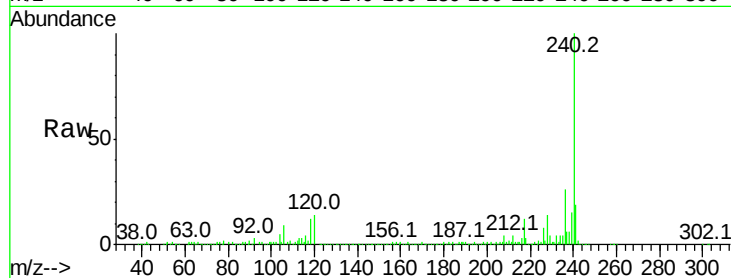
120 13.5 5.8 8.8#

236 25.6 20.5 30.7

Manual Integrations
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#77

Pyrene

Concen: 32.145 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BF098441.D

Acq: 12 Sep 2017 9:46

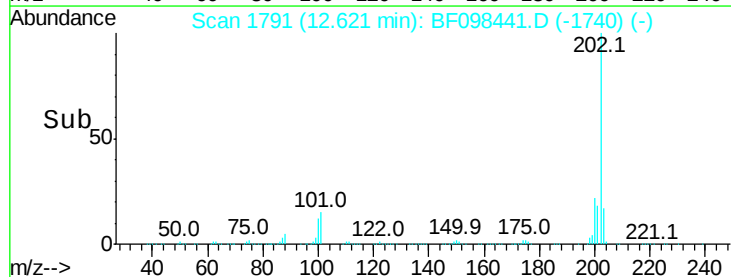
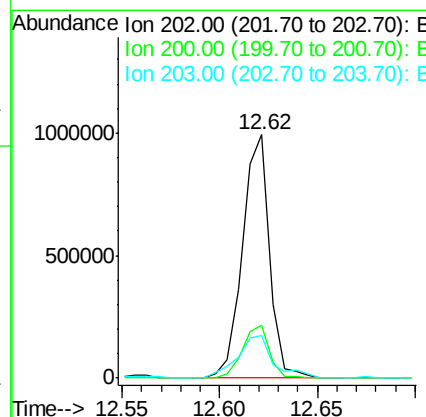
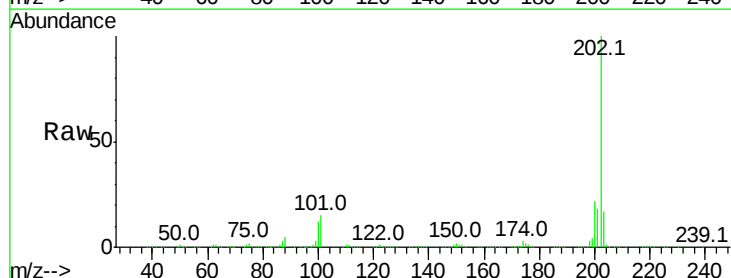
Tgt Ion:202 Resp: 951401

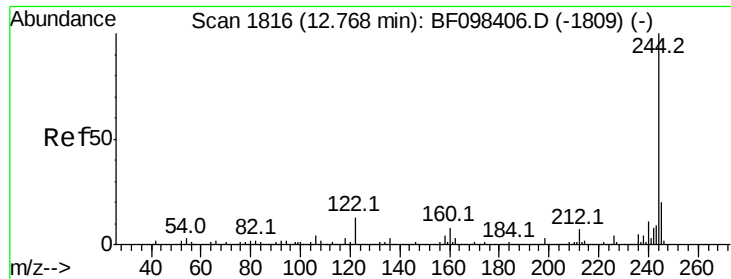
Ion Ratio Lower Upper

202 100

200 21.6 17.6 26.4

203 17.4 14.4 21.6





#78

Terphenyl-d14

Concen: 0.293 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BF098441.D

Acq: 12 Sep 2017 9:46

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI2-3DL

Tot Ion:244 Resp: 5088

Ion Ratio Lower Upper

244 100

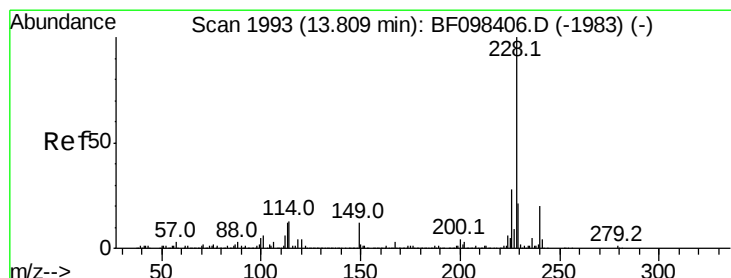
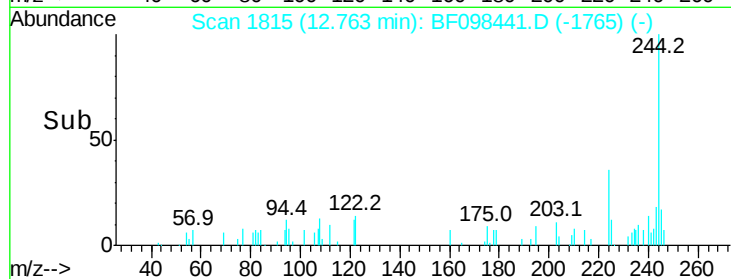
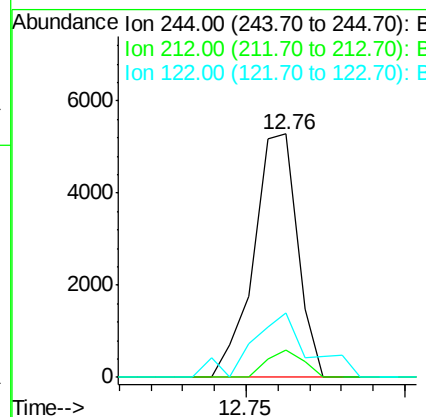
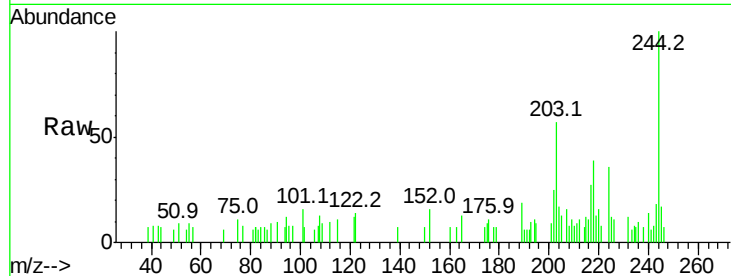
212 11.0 6.0 9.0#

122 26.4 10.3 15.5#

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 16.206 ng m

RT: 13.80 min Scan# 1992

Delta R.T. -0.01 min

Lab File: BF098441.D

Acq: 12 Sep 2017 9:46

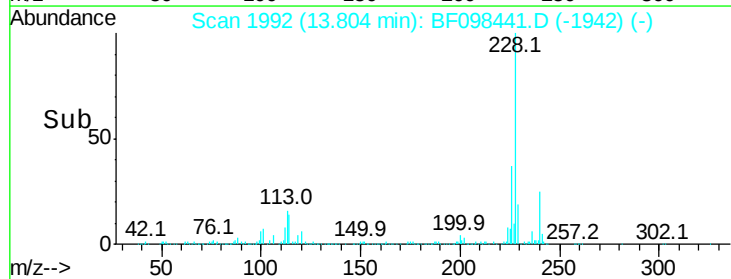
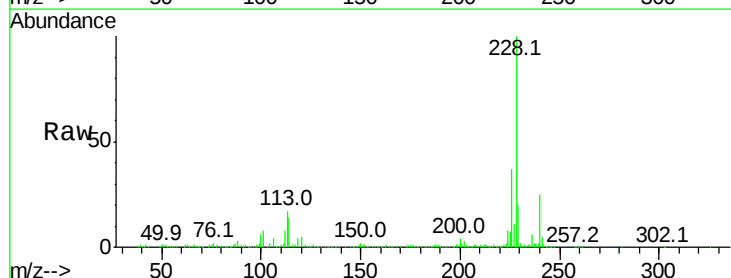
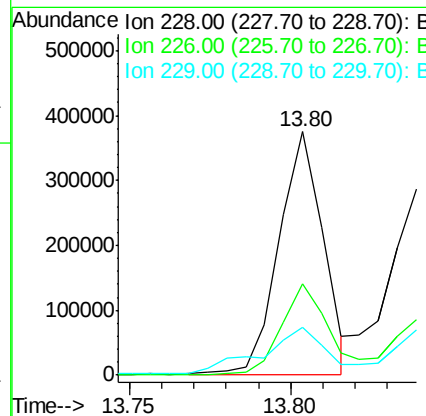
Tgt Ion:228 Resp: 356470

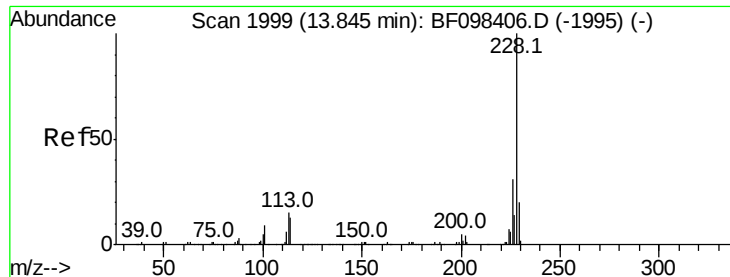
Ion Ratio Lower Upper

228 100

226 37.3 22.6 33.8#

229 19.8 16.3 24.5





#82

Chrysene

Concen: 12.968 ng/mL

RT: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF098441.D

Acq: 12 Sep 2017 9:46

Instrument :

BNA_F

ClientSampleID :

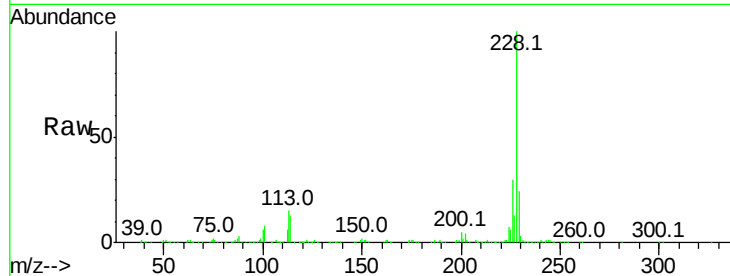
NYSEG-PH4-ESMI2-3DL

Tot Ion:	228	Resp:	288343
Ion Ratio	Lower	Upper	
228	100		
226	30.0	24.9	37.3
229	24.2	15.8	23.6

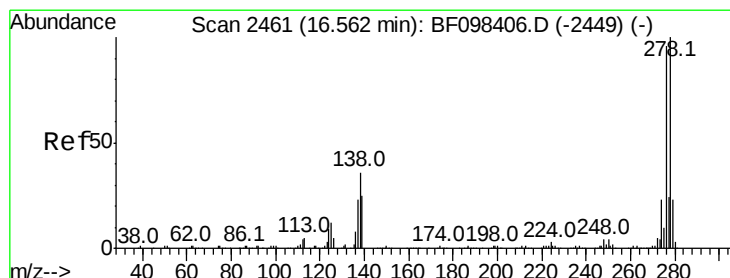
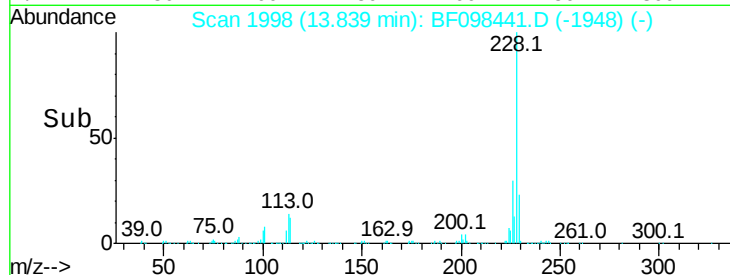
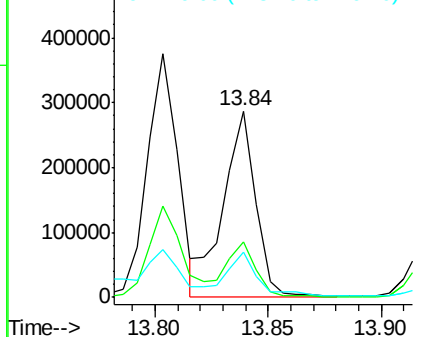
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 8.471 ng/mL

RT: 16.55 min Scan# 2459

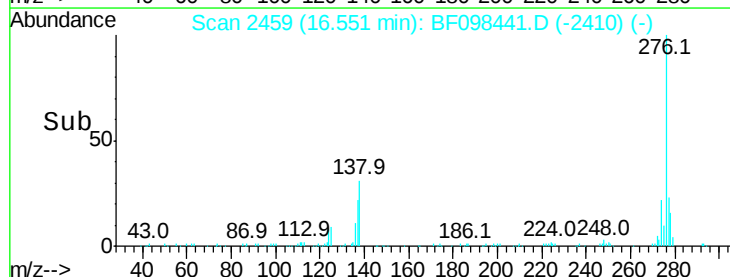
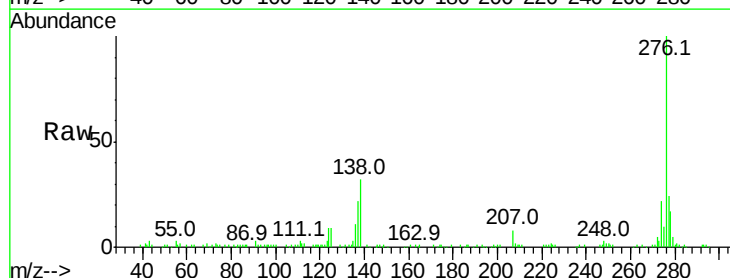
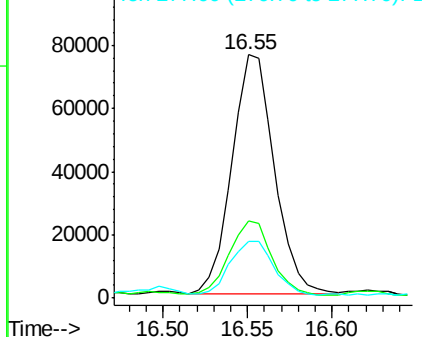
Delta R.T. -0.01 min

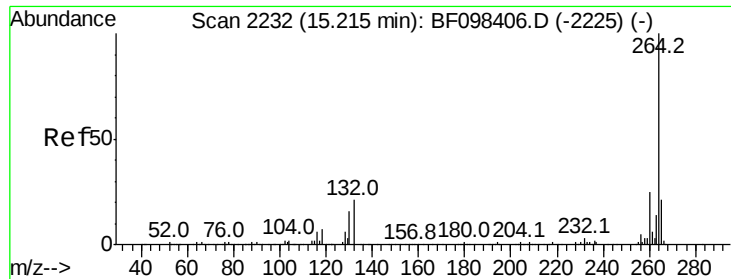
Lab File: BF098441.D

Acq: 12 Sep 2017 9:46

Tgt Ion:	276	Resp:	132141
Ion Ratio	Lower	Upper	
276	100		
138	31.8	27.8	41.6
277	24.4	20.2	30.4

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





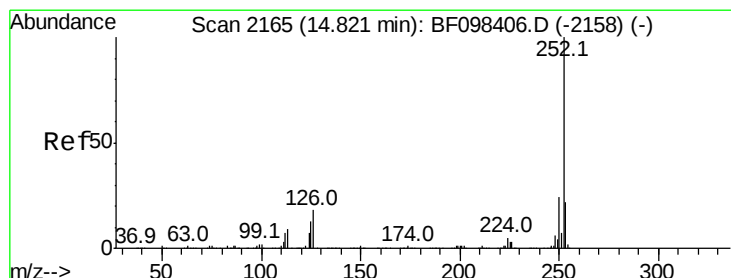
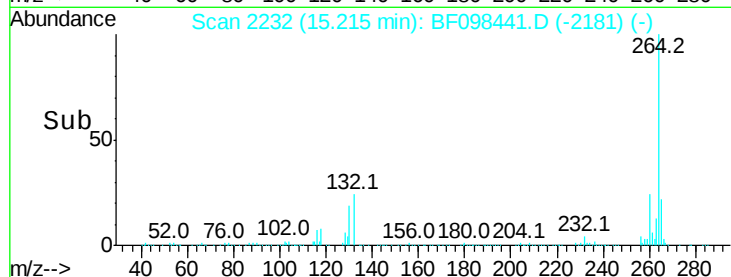
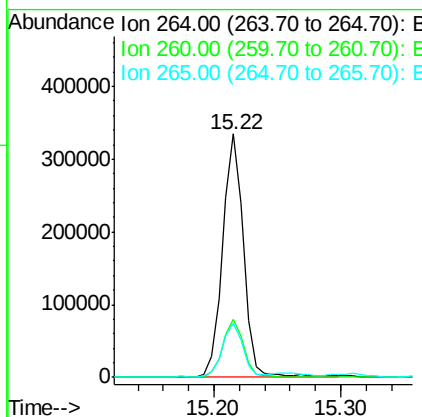
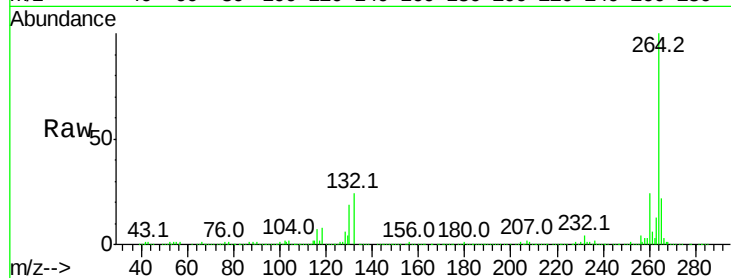
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.22 min Scan# 2232
Delta R.T. 0.00 min
Lab File: BF098441.D
Acq: 12 Sep 2017 9:46

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-3DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.5	29.3
265	22.4	17.2	25.8

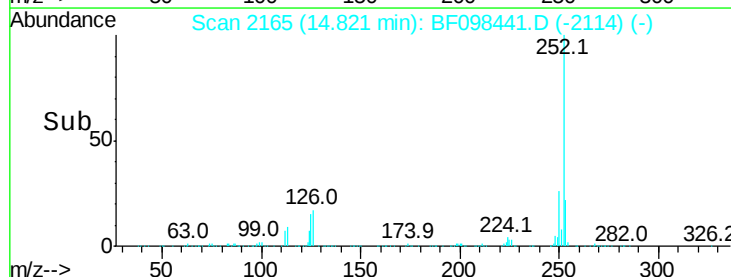
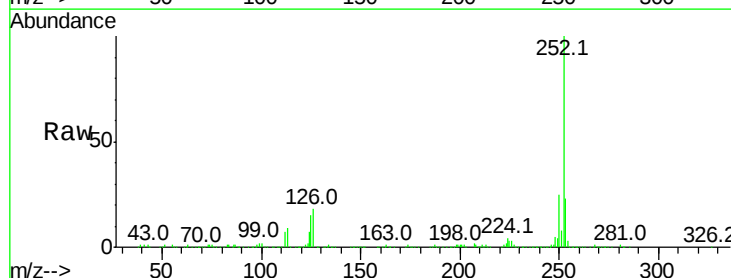
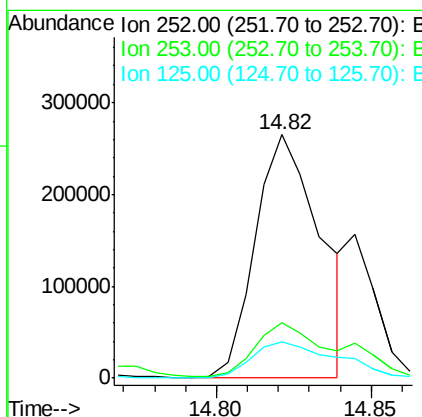
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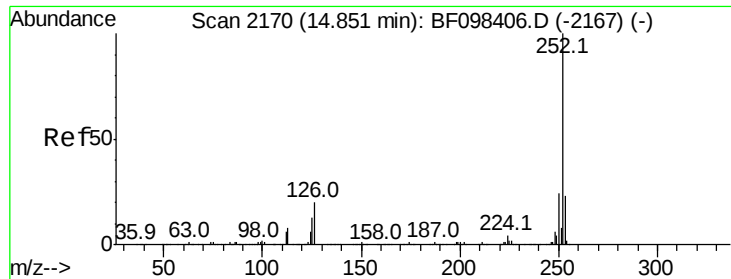
Sohil
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#87
Benzo(b)fluoranthene
Concen: 16.181 ng m
RT: 14.82 min Scan# 2165
Delta R.T. 0.00 min
Lab File: BF098441.D
Acq: 12 Sep 2017 9:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	14.7	9.8	14.8





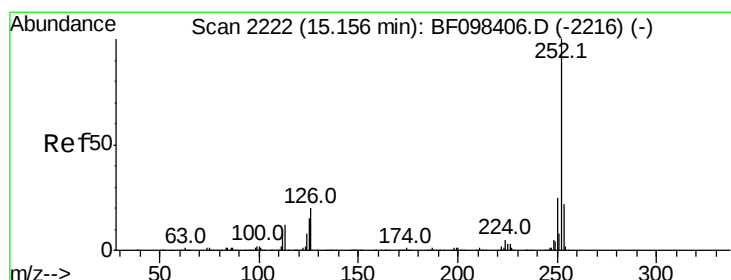
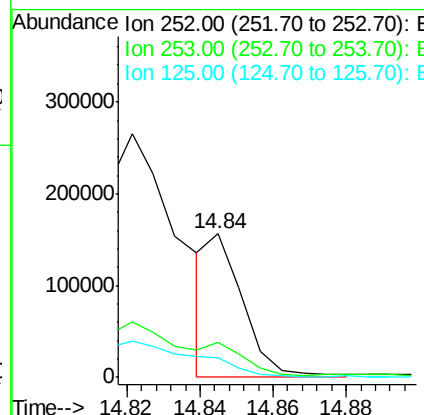
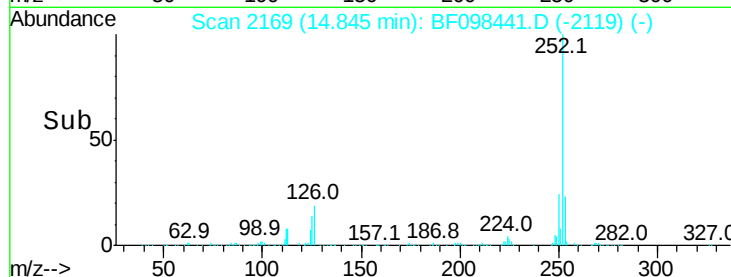
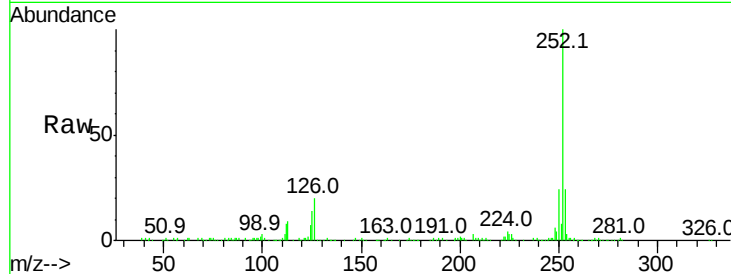
#88
Benzo(k)fluoranthene
Concen: 4.778 ng m
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF098441.D
Acq: 12 Sep 2017 9:46

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-3DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.4	27.6
125	13.9	13.1	19.7

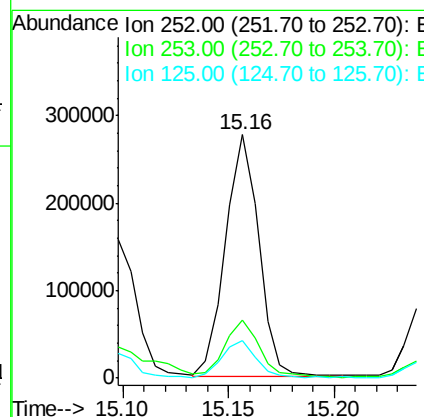
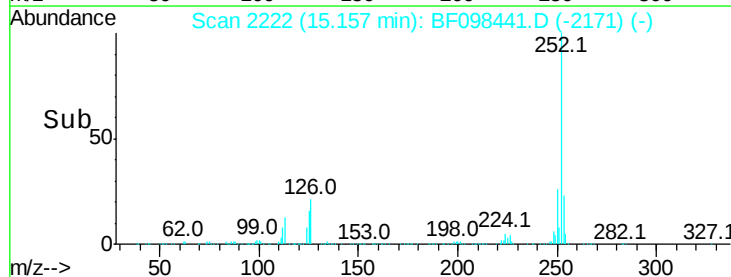
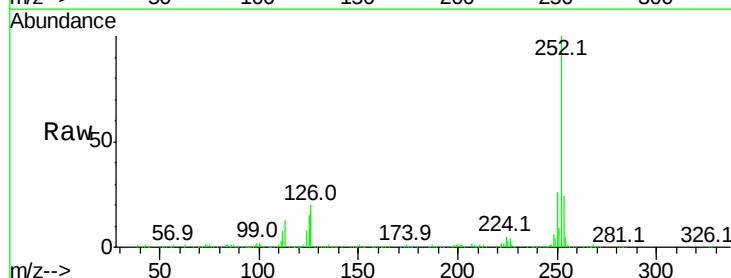
Manual Integrations
APPROVED

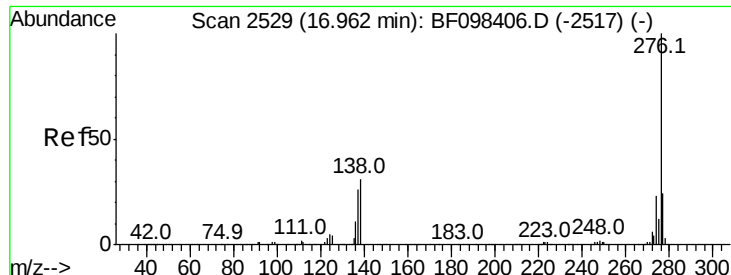
Sohil
9/12/2017 6:02:29 PM



#89
Benzo(a)pyrene
Concen: 14.289 ng
RT: 15.16 min Scan# 2222
Delta R.T. 0.00 min
Lab File: BF098441.D
Acq: 12 Sep 2017 9:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	15.2	11.0	16.4





#91

Benzo(a,h,i)perylene

Concen: 7.798 ng

RT: 16.96 min Scan# 2528

Delta R.T. -0.01 min

Lab File: BF098441.D

Acq: 12 Sep 2017 9:46

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI2-3DL

Tot Ion: 276 Resp: 121745

Ion Ratio Lower Upper

276 100

277 23.1 18.6 28.0

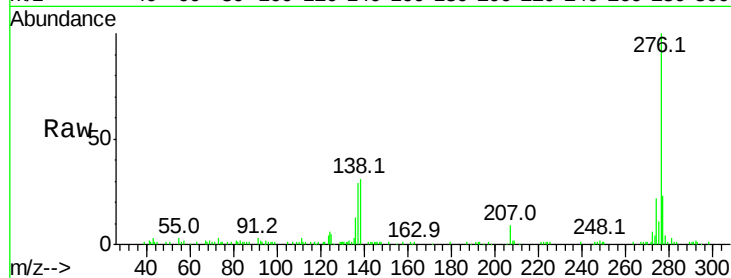
138 31.3 25.4 38.0

Manual Integrations

APPROVED

Sohil

9/12/2017 6:02:29 PM



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

