

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF090917\
 Data File : BF098398.D
 Acq On : 9 Sep 2017 20:58
 Operator : SJ/JU
 Sample : I5151-04 50X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

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

Manual Integrations
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Sohil
 9/11/2017 2:42:54 PM

Quant Time: Sep 11 12:14:37 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 05 17:28:20 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	101114	20.00	ng	-0.03
21) Naphthalene-d8	7.96	136	386777	20.00	ng	-0.03
38) Acenaphthene-d10	9.70	164	167949	20.00	ng	-0.04
63) Phenanthrene-d10	11.19	188	270628	20.00	ng	-0.03
75) Chrysene-d12	13.83	240	209838	20.00	ng	-0.04
86) Perylene-d12	15.23	264	198342	20.00	ng	-0.04

System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	18333	2.76	ng	-0.02
7) Phenol-d6	6.33	99	26529	2.94	ng	-0.02
23) Nitrobenzene-d5	7.24	82	14319	2.01	ng	-0.04
41) 2,4,6-Tribromophenol	10.50	330	2893	1.99	ng	-0.04
44) 2-Fluorobiphenyl	9.03	172	25936	2.27	ng	-0.04
78) Terphenyl-d14	12.77	244	17025	1.69	ng	-0.04

Target Compounds				Qvalue		
31) Naphthalene	7.99	128	2411892	120.117	ng	99
37) 2-Methylnaphthalene	8.67	142	595430	48.367	ng	98
45) 1,1'-Biphenyl	9.13	154	199407	13.020	ng	95
48) Acenaphthylene	9.57	152	127628	7.182	ng	# 96
51) Acenaphthene	9.75	154	646692	57.701	ng	99
54) Dibenzofuran	9.92	168	595224	39.627	ng	96
57) Fluorene	10.26	166	513014	44.175	ng	96
70) Phenanthrene	11.23	178	1779877	123.423	ng	100
71) Anthracene	11.27	178	604234	41.310	ng	99
72) Carbazole	11.42	167	190331	13.709	ng	96
74) Fluoranthene	12.41	202	1252379	83.203	ng	98
77) Pyrene	12.63	202	1099520	64.066	ng	98
80) Benzo(a)anthracene	13.82	228	459869m	36.566	ng	
82) Chrysene	13.85	228	367010m	29.336	ng	
85) Indeno(1,2,3-cd)pyrene	16.57	276	161877m	17.589	ng	
87) Benzo(b)fluoranthene	14.83	252	484181m	38.728	ng	
88) Benzo(k)fluoranthene	14.86	252	121329m	10.330	ng	
89) Benzo(a)pyrene	15.17	252	364788	32.959	ng	98
90) Dibenzo(a,h)anthracene	16.57	278	36387m	4.038	ng	
91) Benzo(a,h,i)perylene	16.97	276	148360	15.780	ng	92

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

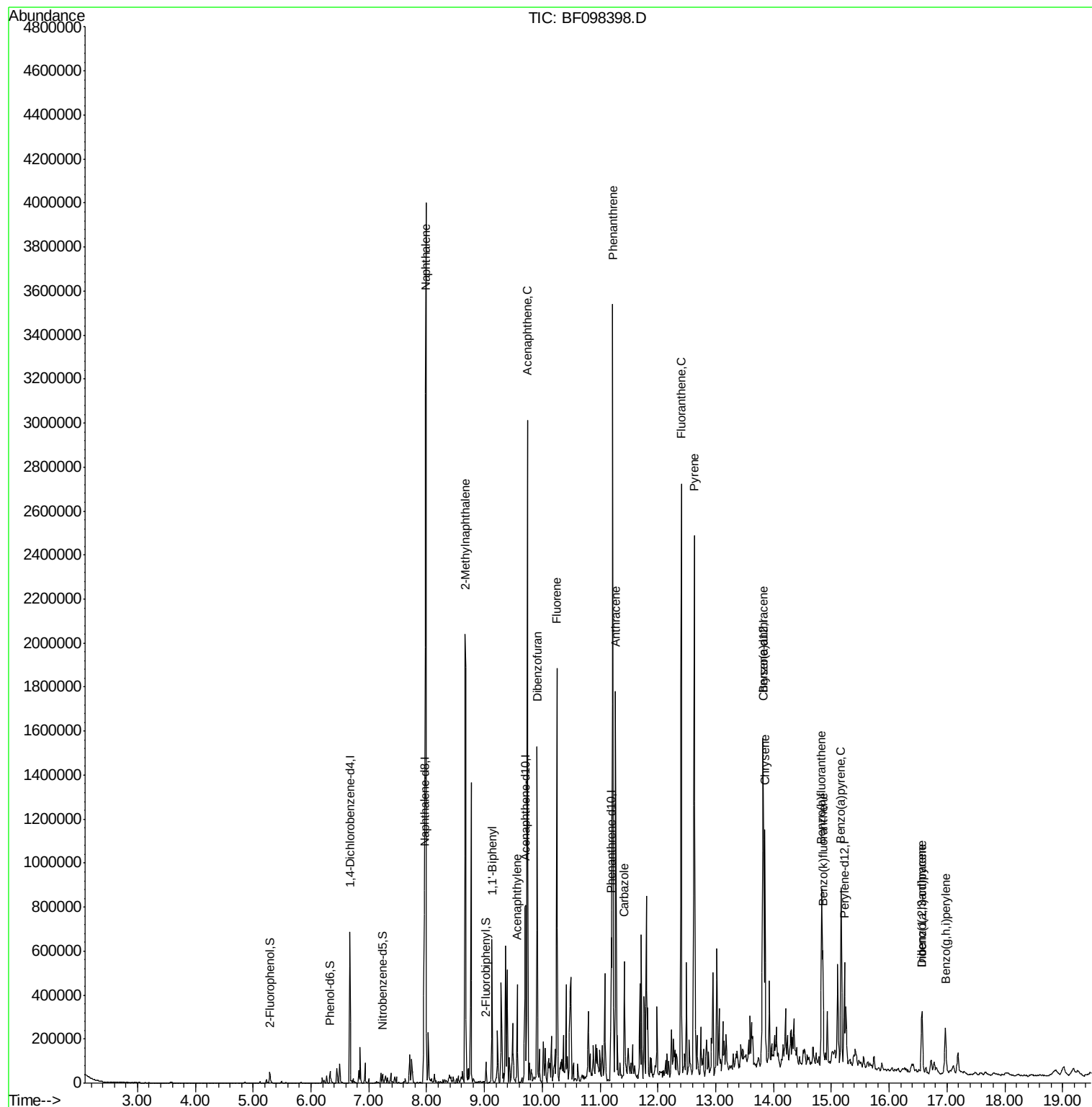
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF090917\
Data File : BF098398.D
Acq On : 9 Sep 2017 20:58
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Misc :
ALS Vial : 23 Sample Multiplier: 1

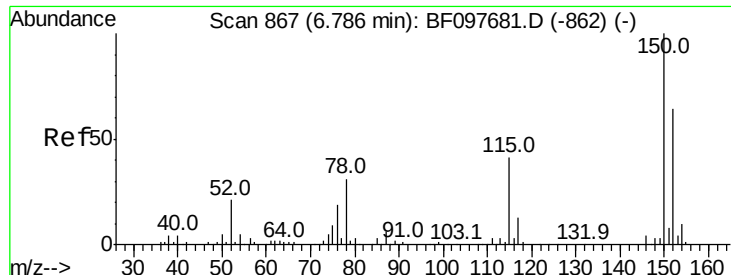
Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESM12-4

Manual Integrations
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9/11/2017 2:42:54 PM

Quant Time: Sep 11 12:14:37 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 05 17:28:20 2017
Response via : Initial Calibration





#1

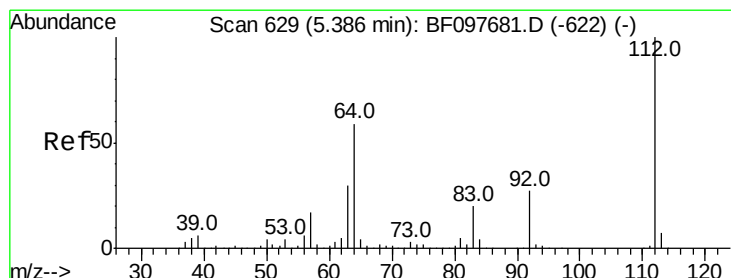
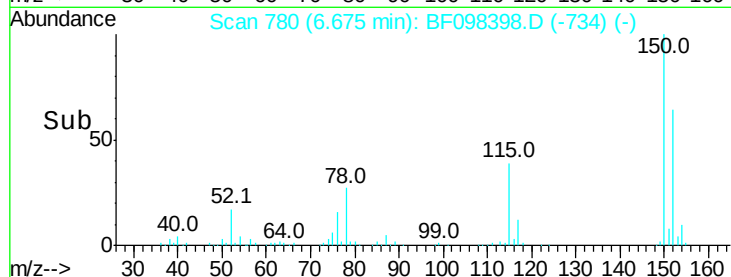
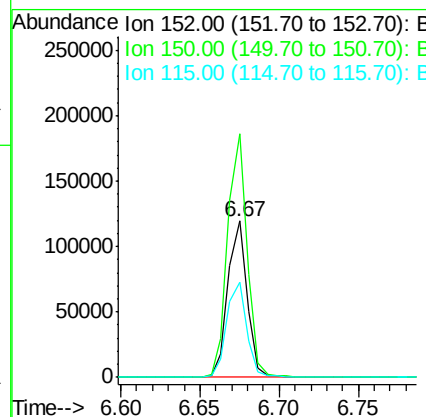
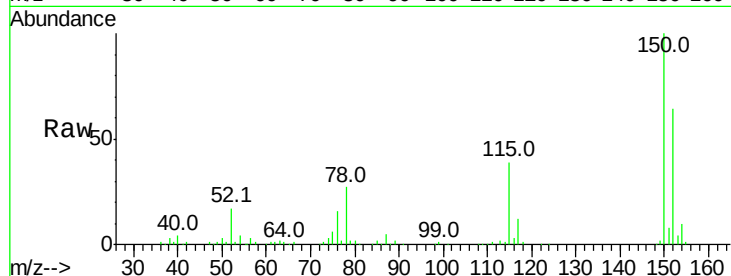
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 780
Delta R.T. -0.03 min
Lab File: BF098398.D
Acq: 9 Sep 2017 20:58

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	126.2	189.2
115	60.9	52.2	78.2

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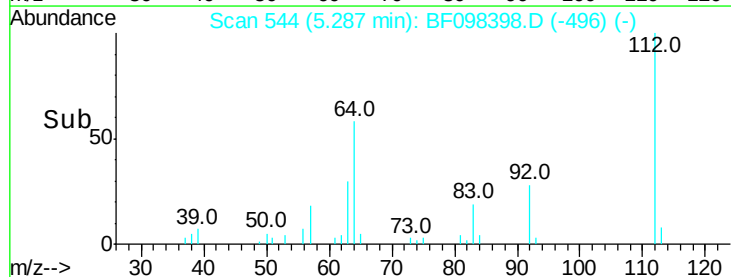
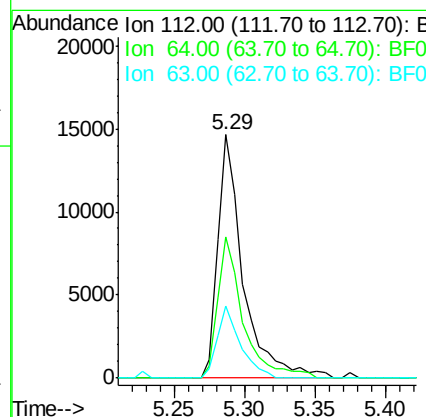
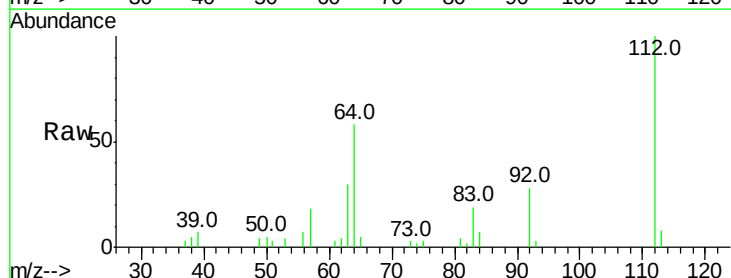
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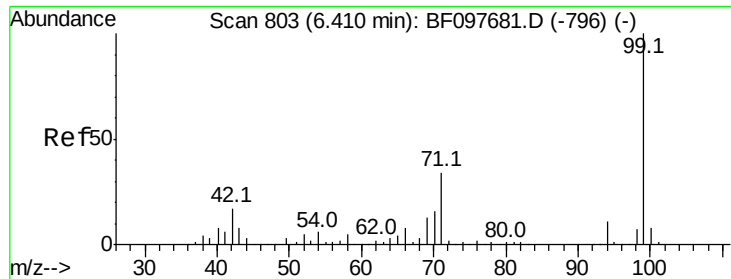


#5

2-Fluorophenol
Concen: 2.758 ng
RT: 5.29 min Scan# 544
Delta R.T. -0.02 min
Lab File: BF098398.D
Acq: 9 Sep 2017 20:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.2	46.0	69.0
63	29.8	23.4	35.0





#7

Phenol-d6

Concen: 2.937 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.02 min

Lab File: BF098398.D

Acq: 9 Sep 2017 20:58

Instrument :

BNA_F

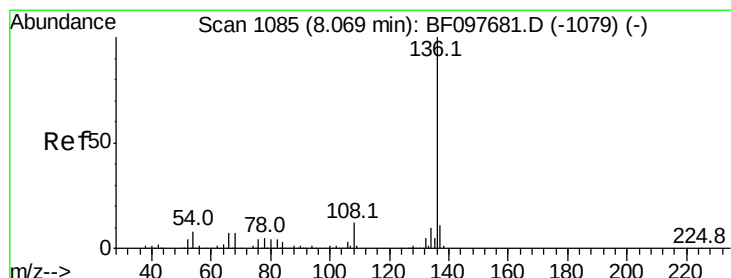
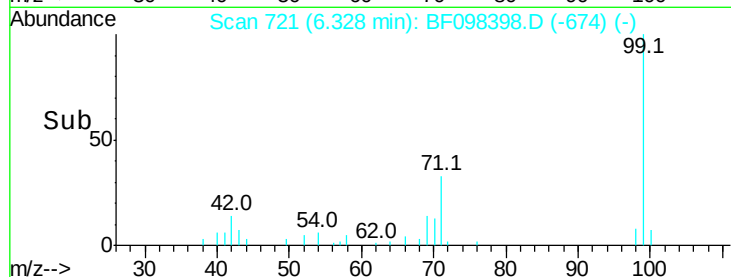
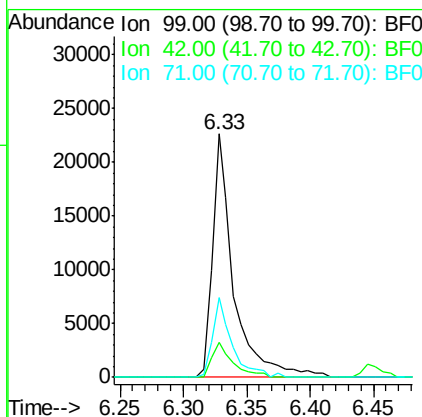
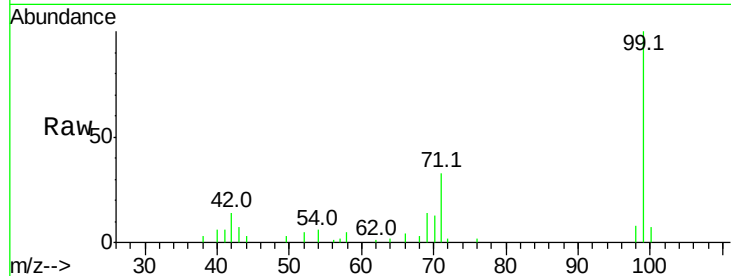
ClientSampleId :

NYSEG-PH4-ESMI2-4

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		26529		
42	14.2	13.5	20.3		
71	32.7	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

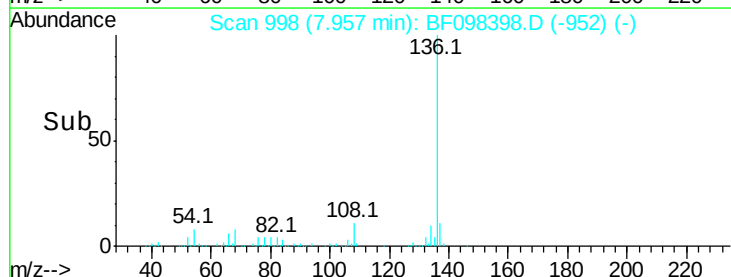
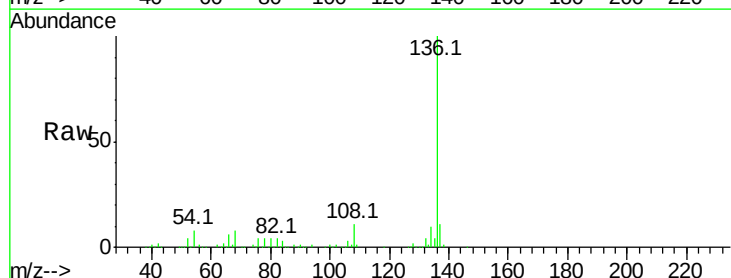
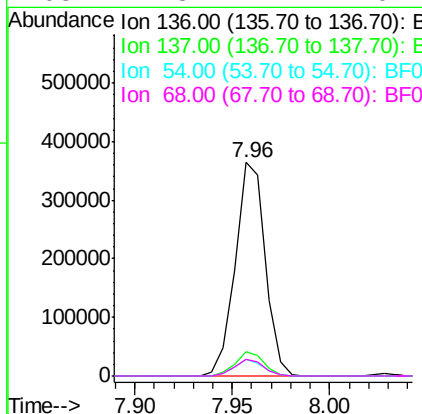
RT: 7.96 min Scan# 998

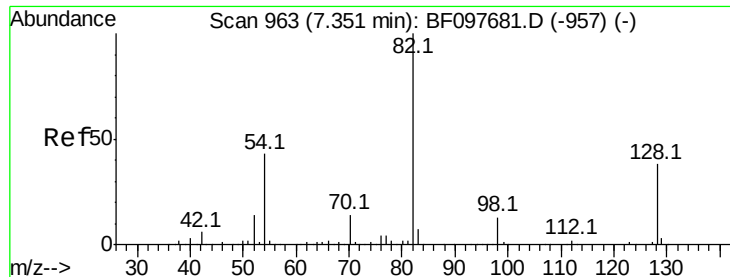
Delta R.T. -0.03 min

Lab File: BF098398.D

Acq: 9 Sep 2017 20:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		386777		
137	11.2	8.5	12.7		
54	7.6	4.9	7.3#		
68	7.8	4.1	6.1#		





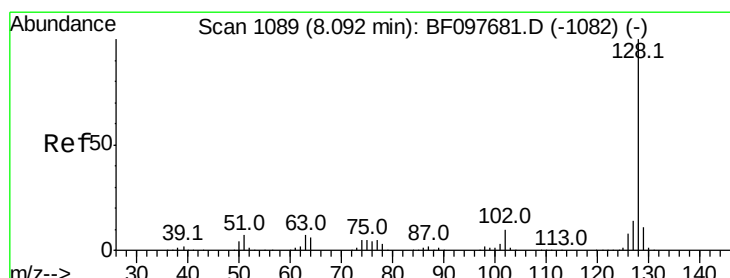
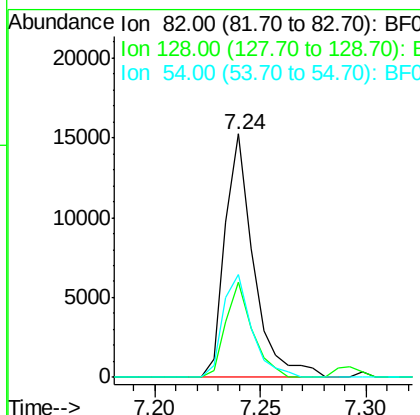
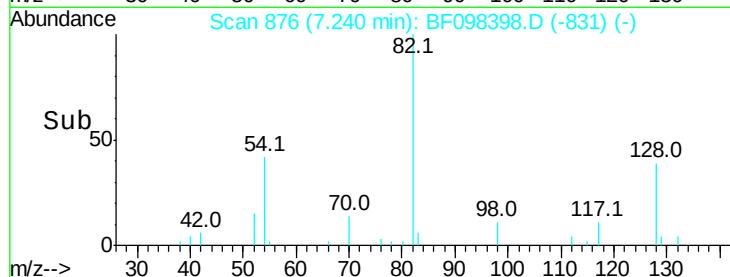
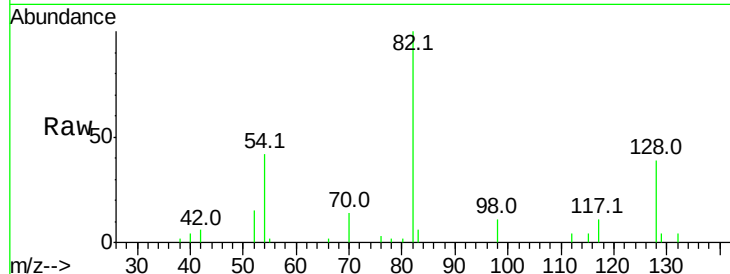
#23
 Nitrobenzene-d5
 Concen: 2.011 ng
 RT: 7.24 min Scan# 876
 Delta R.T. -0.04 min
 Lab File: BF098398.D
 Acq: 9 Sep 2017 20:58

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	39.3	34.0	51.0
54	42.4	42.2	63.2

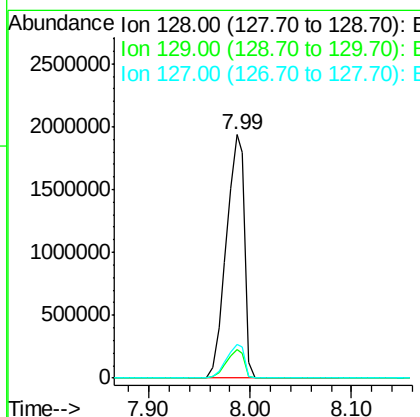
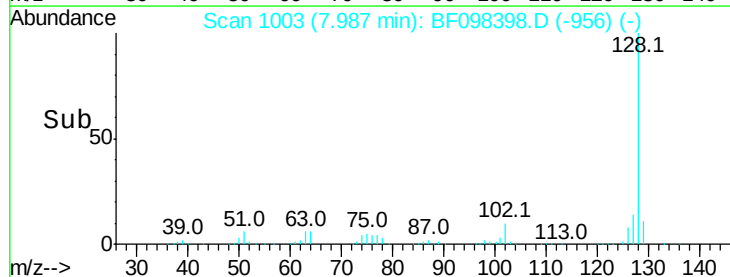
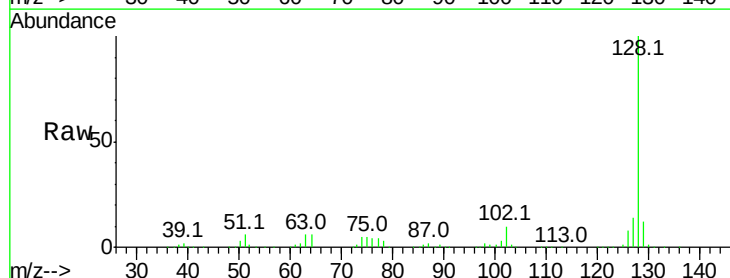
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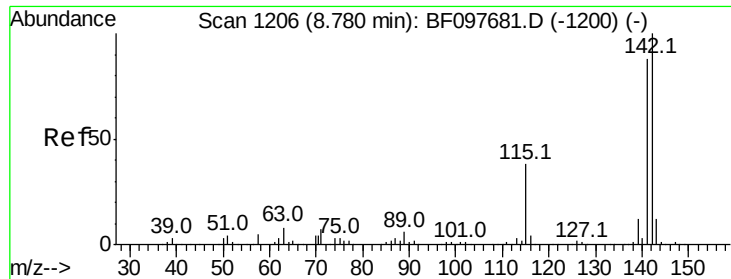
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#31
 Naphthalene
 Concen: 120.117 ng
 RT: 7.99 min Scan# 1003
 Delta R.T. -0.02 min
 Lab File: BF098398.D
 Acq: 9 Sep 2017 20:58

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.0	13.6
127	13.8	10.8	16.2





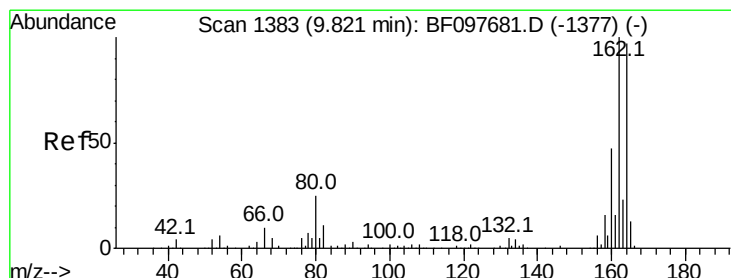
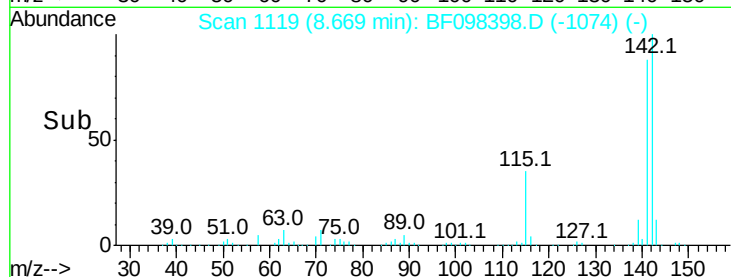
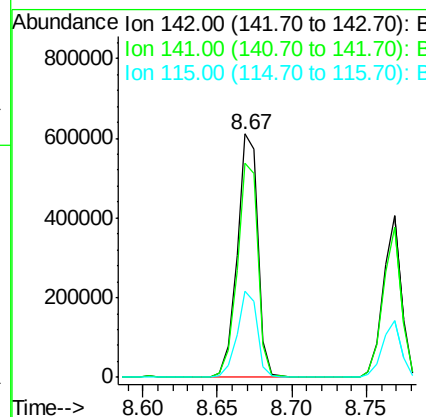
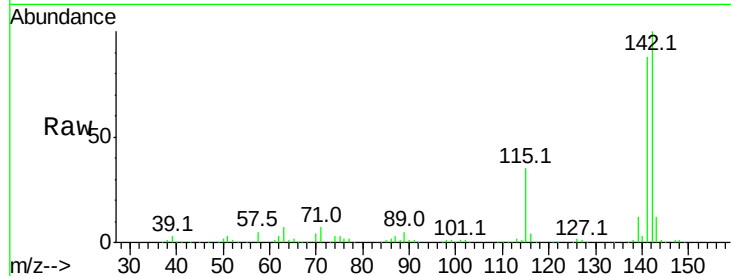
#37
2-Methylnaphthalene
Concen: 48.367 ng
RT: 8.67 min Scan# 1119
Delta R.T. -0.04 min
Lab File: BF098398.D
Acq: 9 Sep 2017 20:58

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

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.8	71.3	106.9
115	35.3	27.1	40.7

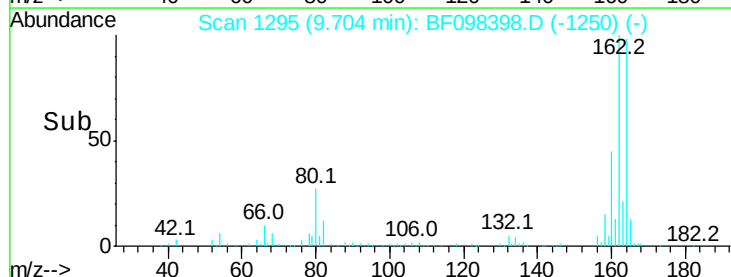
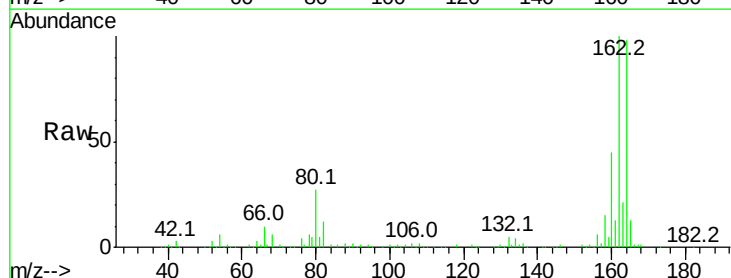
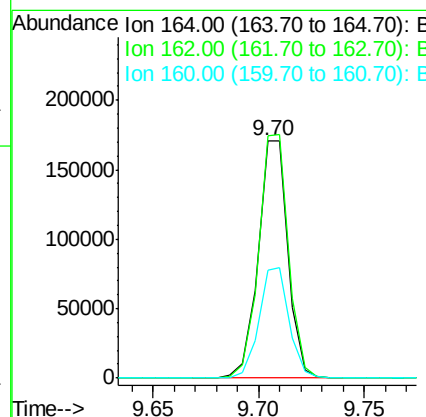
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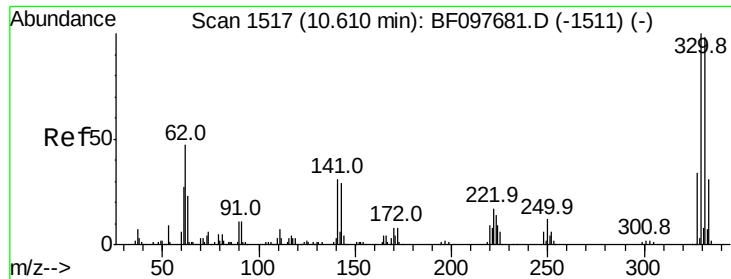
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.04 min
Lab File: BF098398.D
Acq: 9 Sep 2017 20:58

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.3	82.6	123.8
160	45.7	36.2	54.2





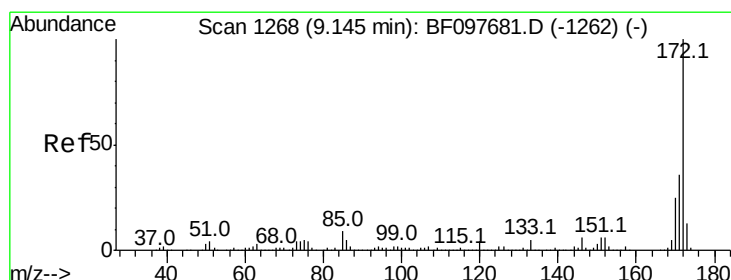
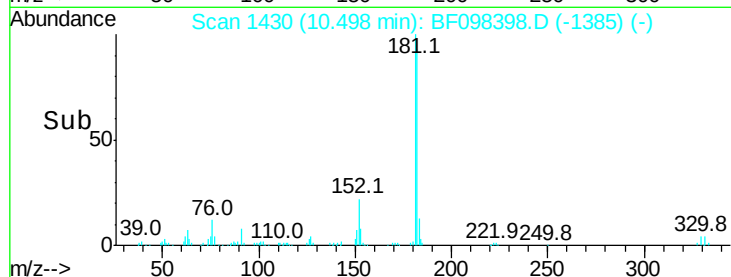
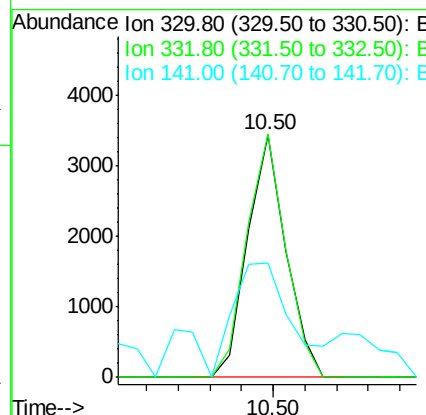
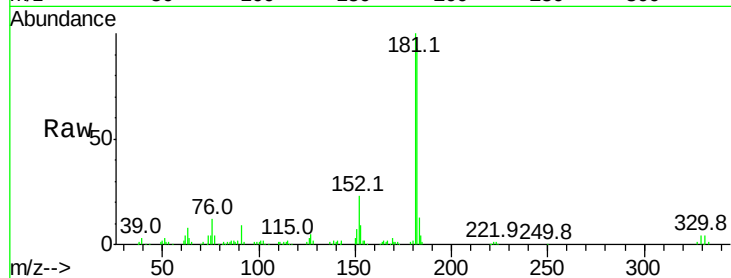
#41
 2,4,6-Tribromophenol
 Concen: 1.985 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.04 min
 Lab File: BF098398.D
 Acq: 9 Sep 2017 20:58

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	101.9	76.6	115.0
141	88.2	31.4	47.2

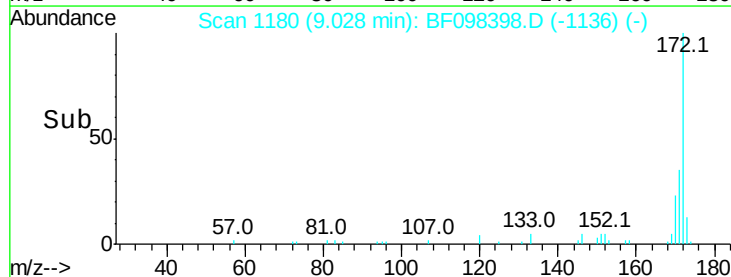
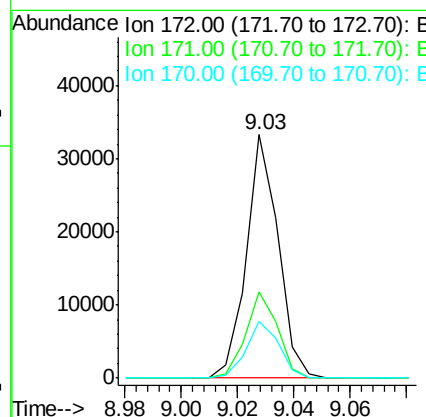
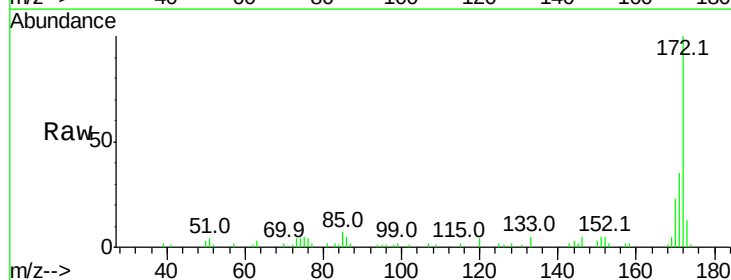
Manual Integrations
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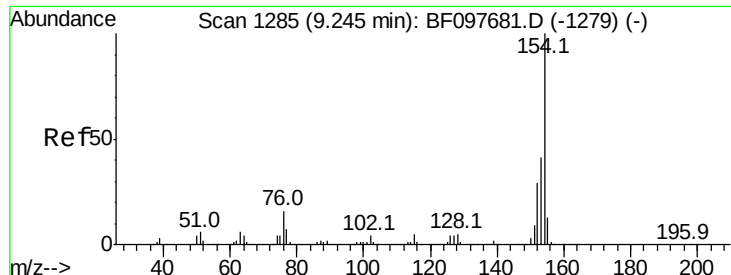
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#44
 2-Fluorobiphenyl
 Concen: 2.269 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.04 min
 Lab File: BF098398.D
 Acq: 9 Sep 2017 20:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.6	44.4
170	23.3	19.8	29.8





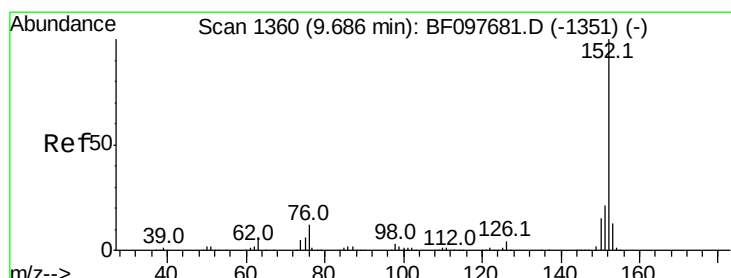
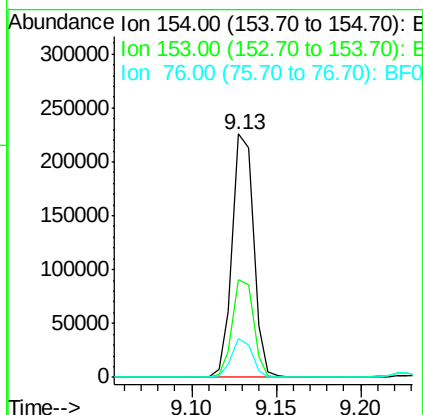
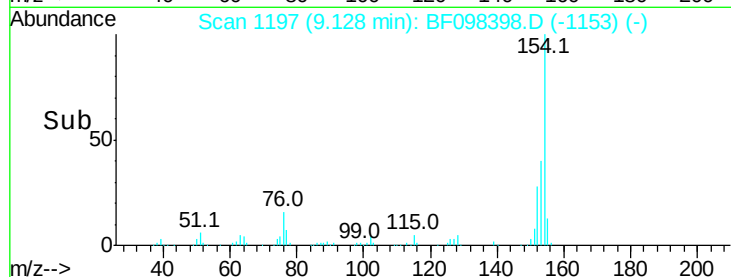
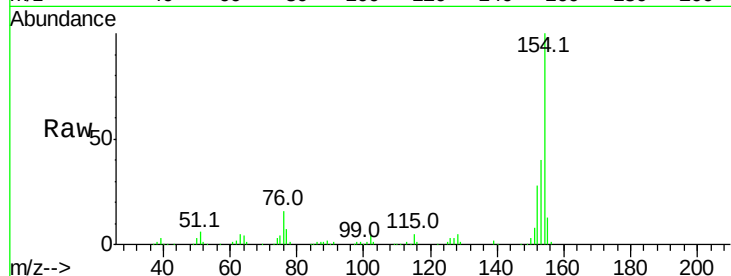
#45
 1,1'-Biphenyl
 Concen: 13.020 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.04 min
 Lab File: BF098398.D
 Acq: 9 Sep 2017 20:58

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

Tot Ion	154	Resp	199407
Ion Ratio	100	Lower	Upper
154	100		
153	40.0	21.2	61.2
76	16.1	0.0	29.9

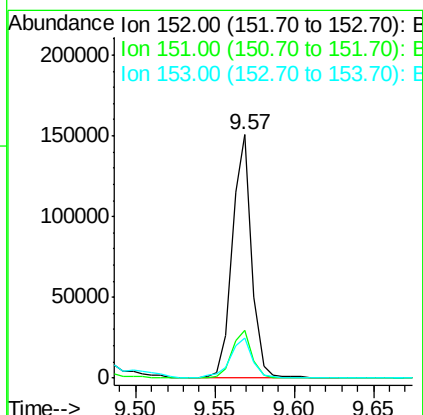
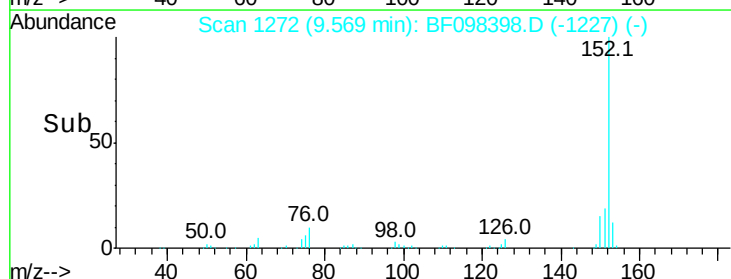
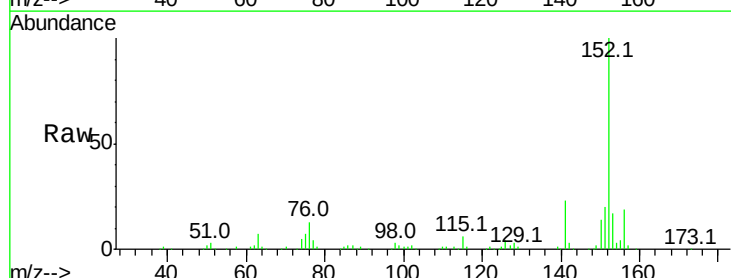
Manual Integrations
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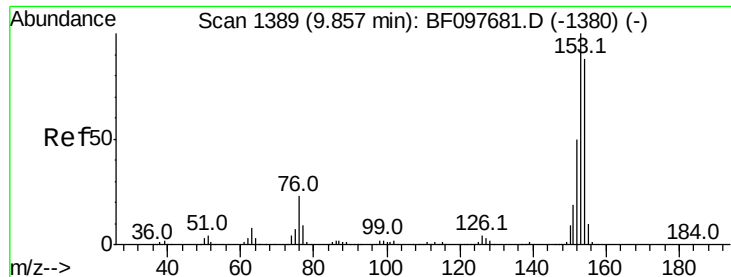
Sohil
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#48
 Acenaphthylene
 Concen: 7.182 ng
 RT: 9.57 min Scan# 1272
 Delta R.T. -0.04 min
 Lab File: BF098398.D
 Acq: 9 Sep 2017 20:58

Tgt Ion	152	Resp	127628
Ion Ratio	100	Lower	Upper
152	100		
151	19.8	16.8	25.2
153	16.5	10.8	16.2#





#51

Acenaphthene

Concen: 57.701 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.03 min

Lab File: BF098398.D

Acq: 9 Sep 2017 20:58

Instrument :

BNA_F

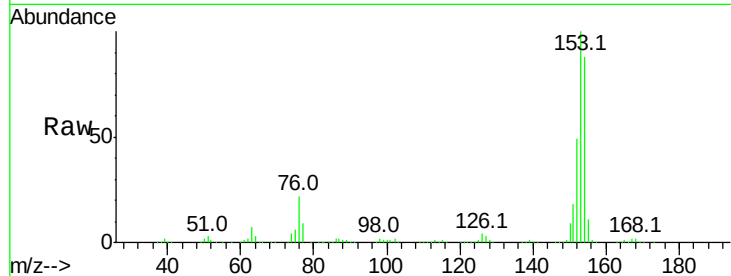
ClientSampleId :

NYSEG-PH4-ESMI2-4

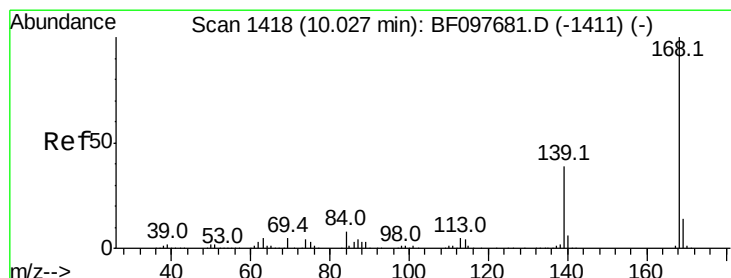
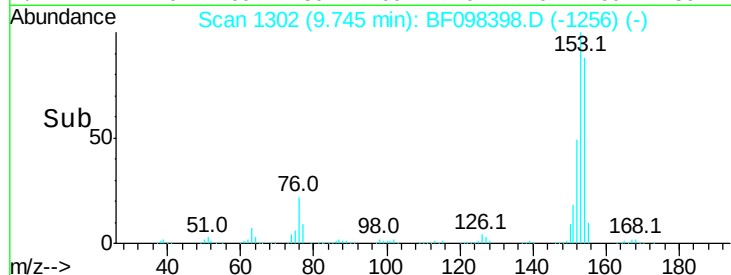
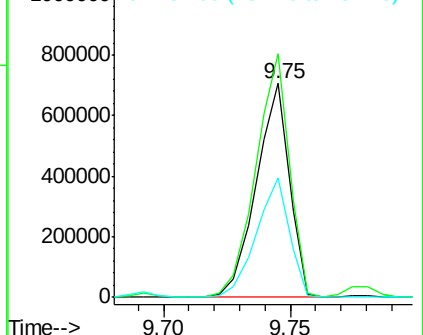
Tot Ion:	154	Resp:	646692
Ion Ratio	Lower	Upper	
154	100		
153	114.0	90.5	135.7
152	55.9	43.6	65.4

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: 39.627 ng

RT: 9.92 min Scan# 1331

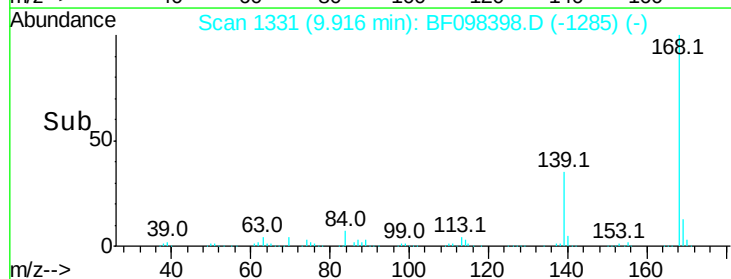
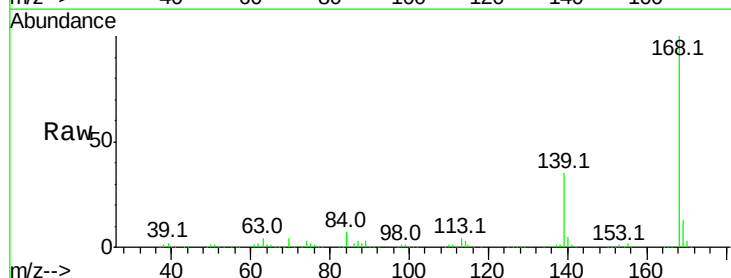
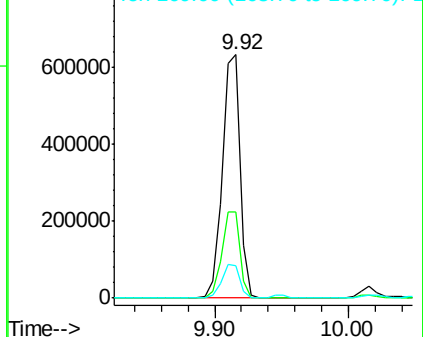
Delta R.T. -0.03 min

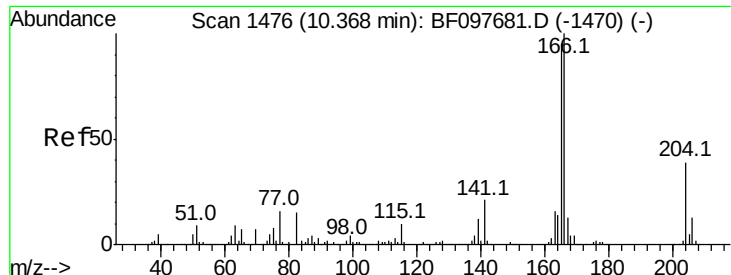
Lab File: BF098398.D

Acq: 9 Sep 2017 20:58

Tgt Ion:	168	Resp:	595224
Ion Ratio	Lower	Upper	
168	100		
139	35.4	30.6	45.8
169	13.3	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





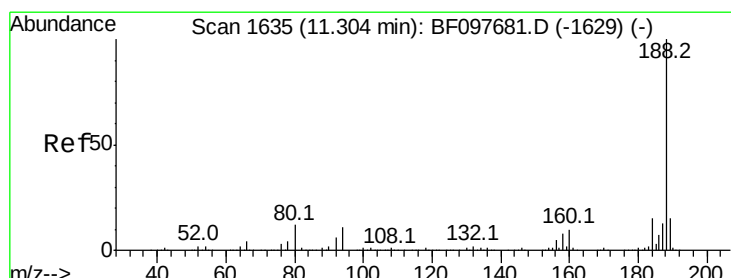
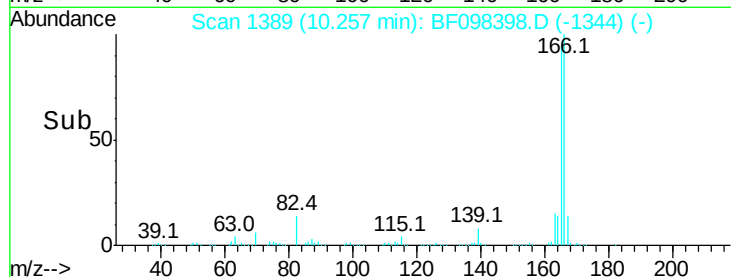
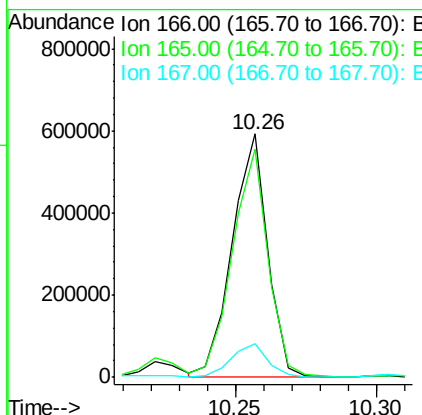
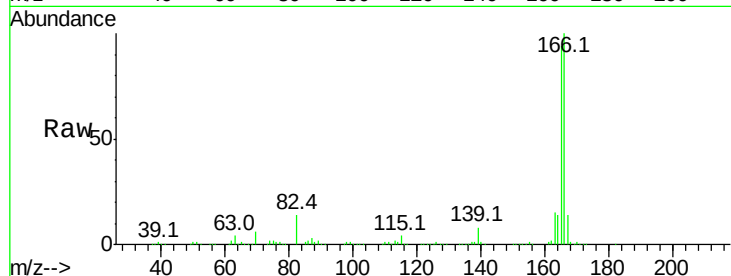
#57
Fluorene
 Concen: 44.175 ng
 RT: 10.26 min Scan# 1389
 Delta R.T. -0.04 min
 Lab File: BF098398.D
 Acq: 9 Sep 2017 20:58

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

Tot Ion	Ratio	Resp	Lower	Upper
166	100	513014		
165	93.8	78.8	118.2	
167	13.7	10.6	16.0	

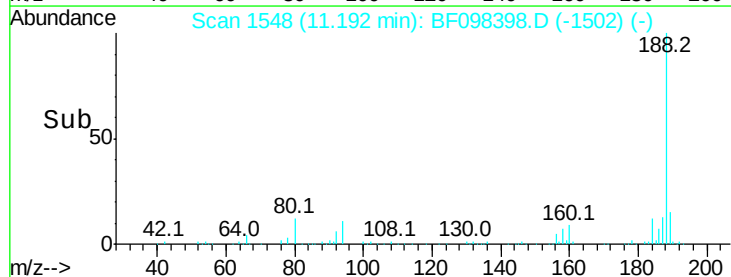
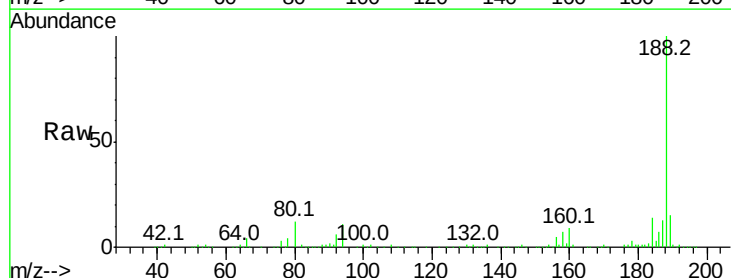
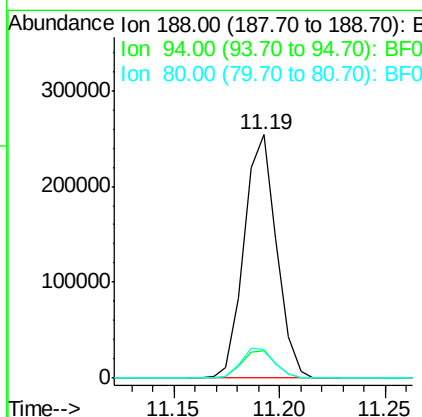
Manual Integrations
 APPROVED

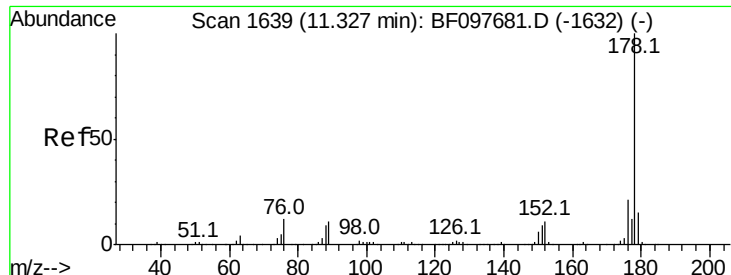
Sohil
 9/11/2017 2:42:54 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.19 min Scan# 1548
 Delta R.T. -0.03 min
 Lab File: BF098398.D
 Acq: 9 Sep 2017 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	270628		
94	11.0	9.4	14.2	
80	11.9	10.2	15.2	





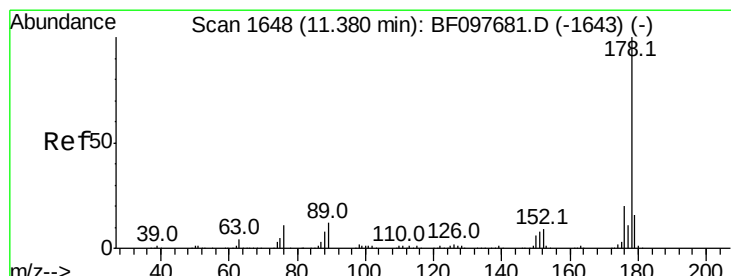
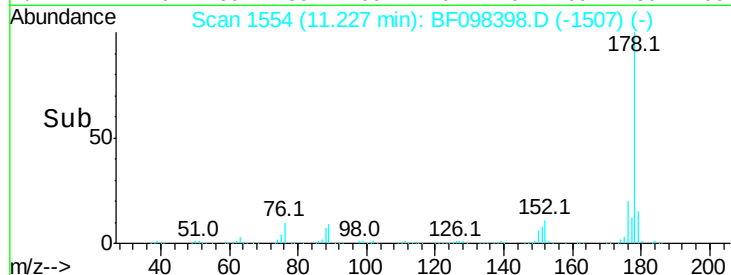
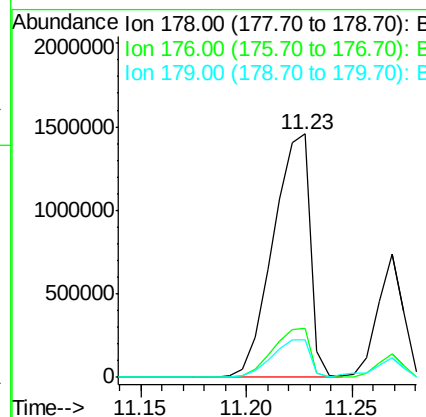
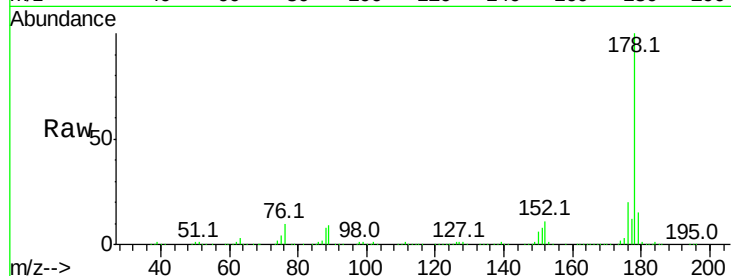
#70
Phenanthrene
Concen: 123.423 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.02 min
Lab File: BF098398.D
Acq: 9 Sep 2017 20:58

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.3	16.2	24.4
179	15.4	12.6	19.0

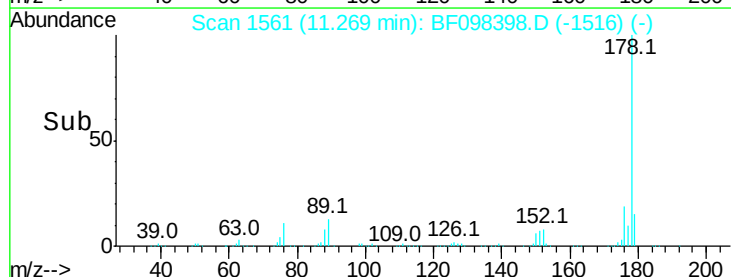
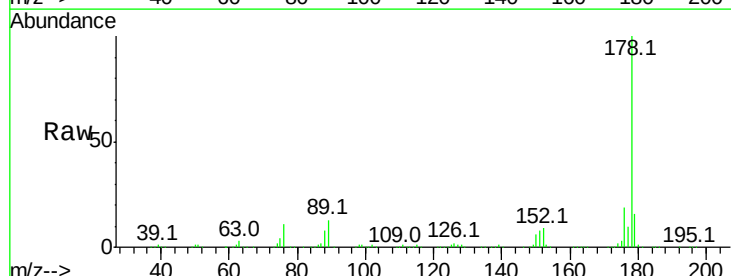
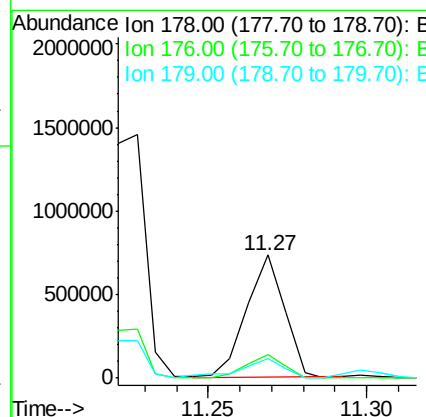
Manual Integrations
APPROVED

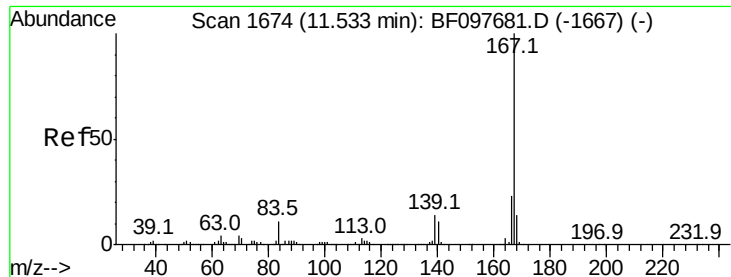
Sohil
9/11/2017 2:42:54 PM



#71
Anthracene
Concen: 41.310 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.04 min
Lab File: BF098398.D
Acq: 9 Sep 2017 20:58

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.6	12.7	19.1





#72

Carbazole

Concen: 13.709 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.04 min

Lab File: BF098398.D

Acq: 9 Sep 2017 20:58

Instrument :

BNA_F

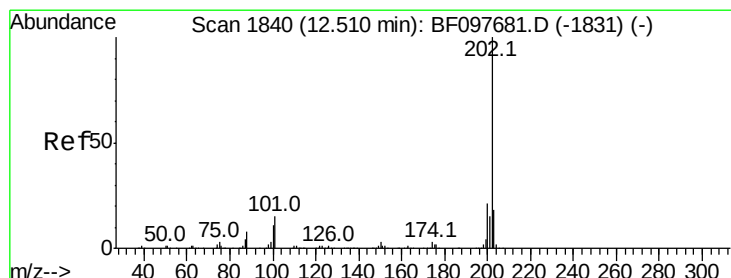
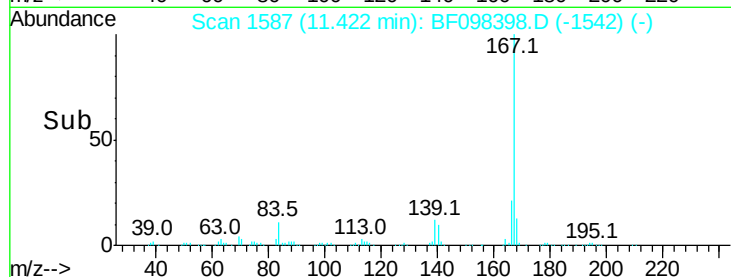
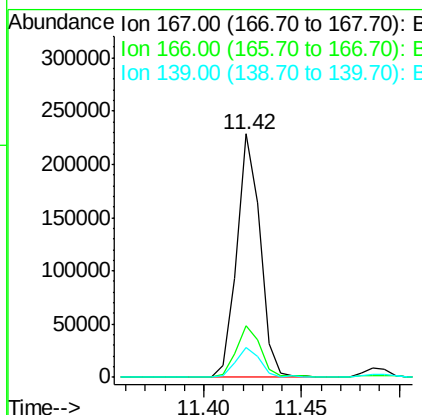
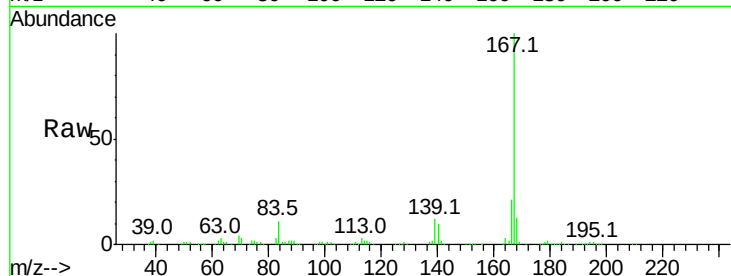
ClientSampleId :

NYSEG-PH4-ESMI2-4

Tot Ion:	167	Resp:	190331
Ion Ratio	Lower	Upper	
167	100		
166	21.2	18.1	27.1
139	12.5	11.7	17.5

Manual Integrations
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#74

Fluoranthene

Concen: 83.203 ng

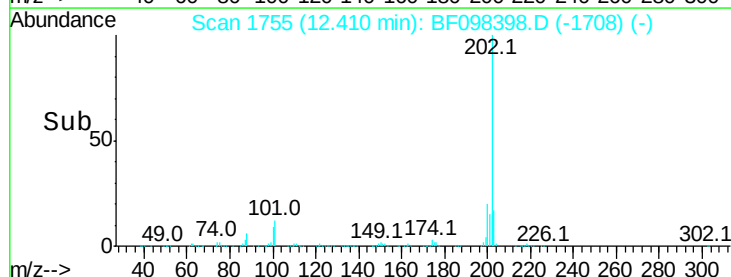
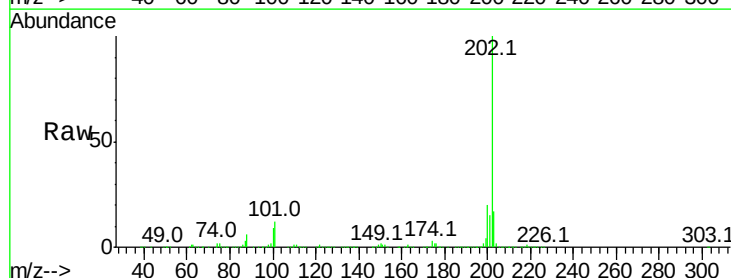
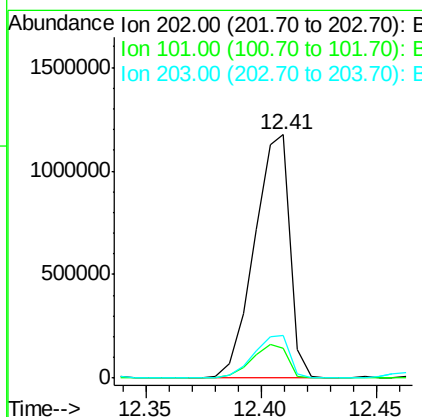
RT: 12.41 min Scan# 1755

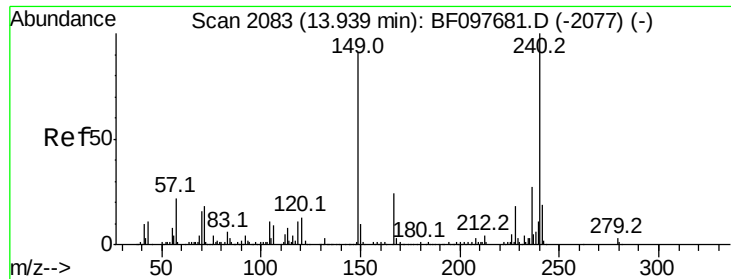
Delta R.T. -0.02 min

Lab File: BF098398.D

Acq: 9 Sep 2017 20:58

Tgt Ion:	202	Resp:	1252379
Ion Ratio	Lower	Upper	
202	100		
101	12.5	0.0	33.2
203	17.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.04 min

Lab File: BF098398.D

Acq: 9 Sep 2017 20:58

Instrument :

BNA_F

ClientSampleId :

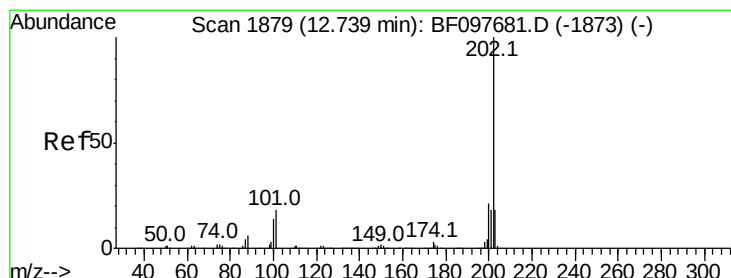
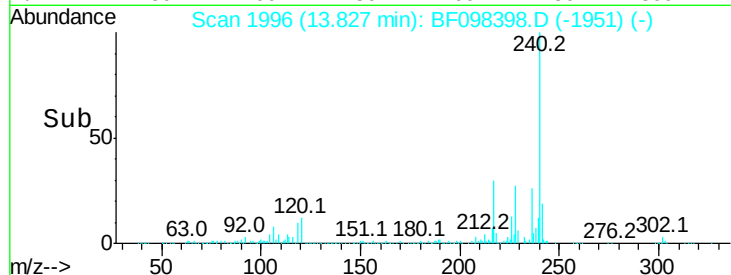
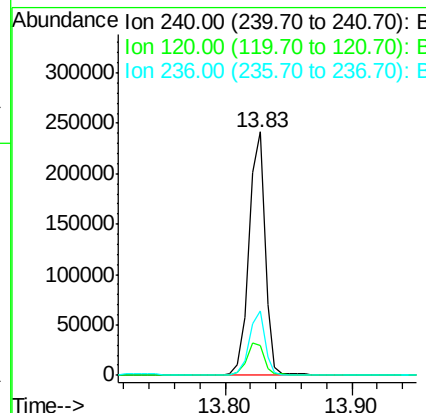
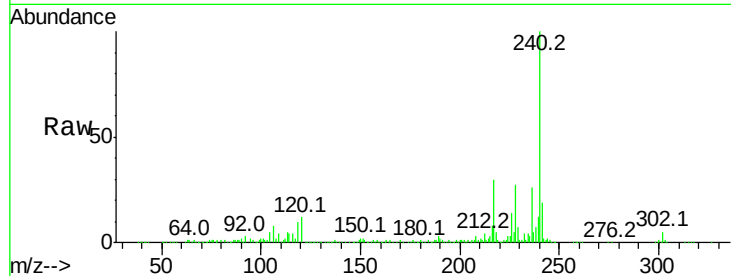
NYSEG-PH4-ESMI2-4

Tot Ion:	240	Resp:	209838
Ion Ratio	Lower	Upper	
240	100		
120	12.2	5.8	8.8#
236	26.4	20.5	30.7

Manual Integrations
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#77

Pyrene

Concen: 64.066 ng

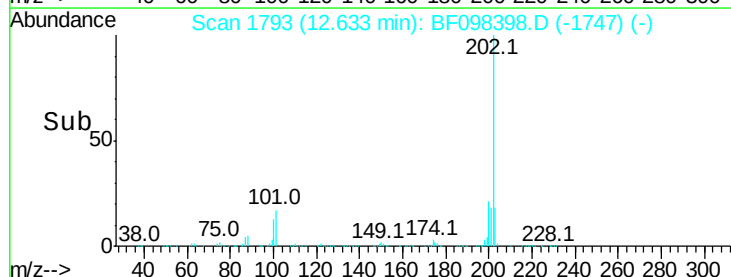
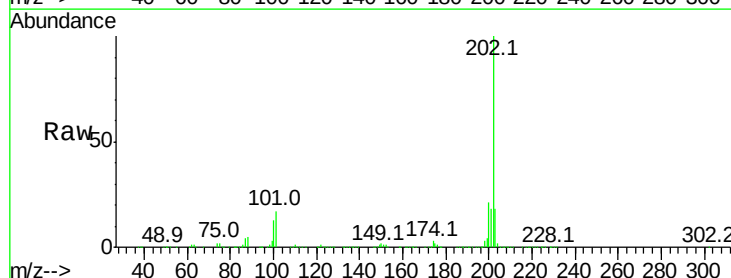
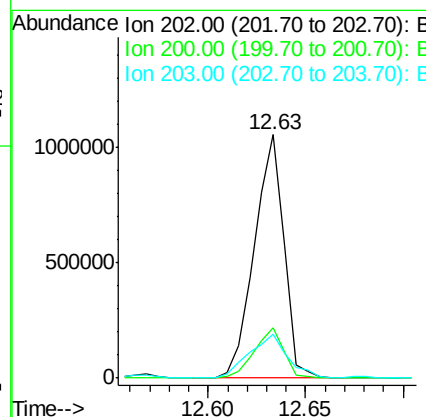
RT: 12.63 min Scan# 1793

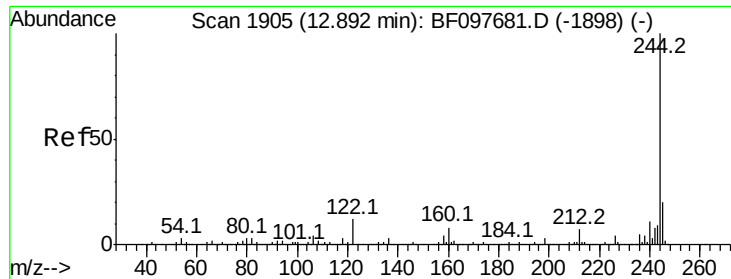
Delta R.T. -0.03 min

Lab File: BF098398.D

Acq: 9 Sep 2017 20:58

Tgt Ion:	202	Resp:	1099520
Ion Ratio	Lower	Upper	
202	100		
200	20.7	17.6	26.4
203	17.8	14.4	21.6





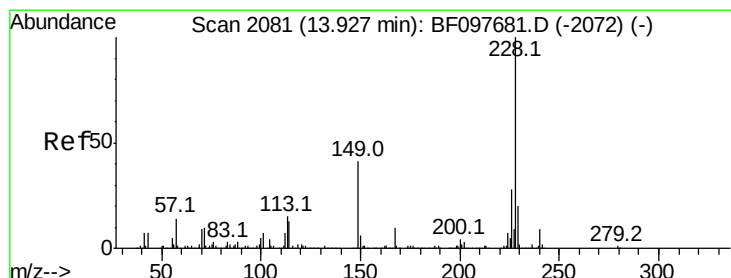
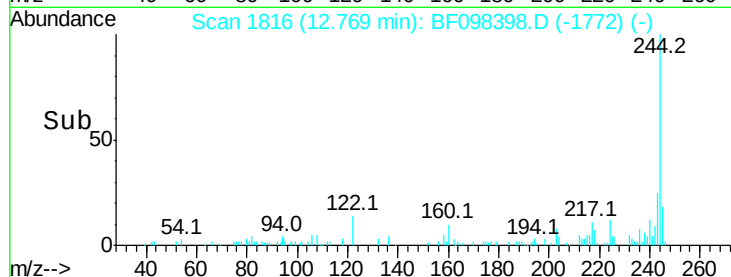
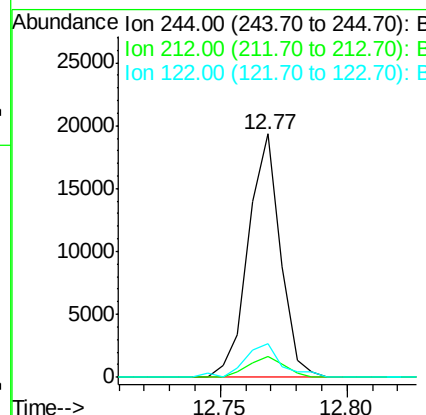
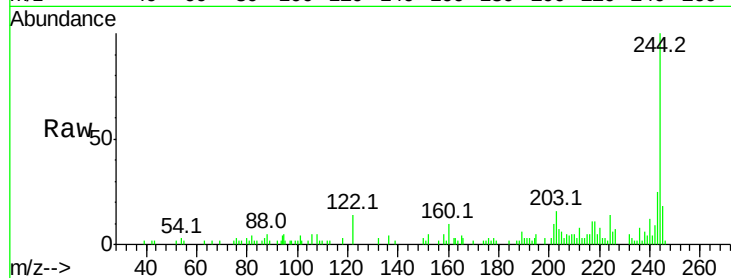
#78
 Terphenyl-d14
 Concen: 1.692 ng
 RT: 12.77 min Scan# 1816
 Delta R.T. -0.04 min
 Lab File: BF098398.D
 Acq: 9 Sep 2017 20:58

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

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.5	6.0	9.0
122	13.9	10.3	15.5

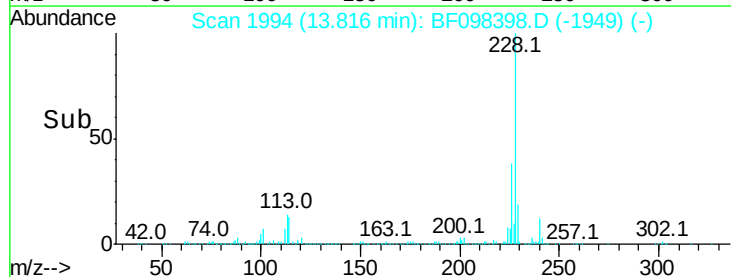
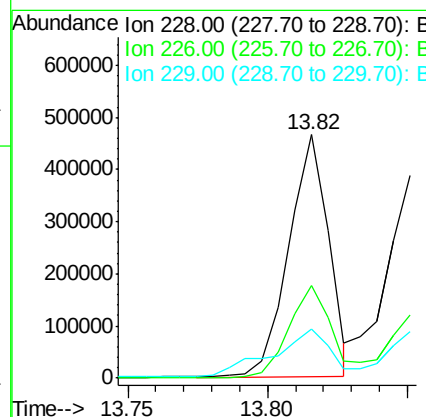
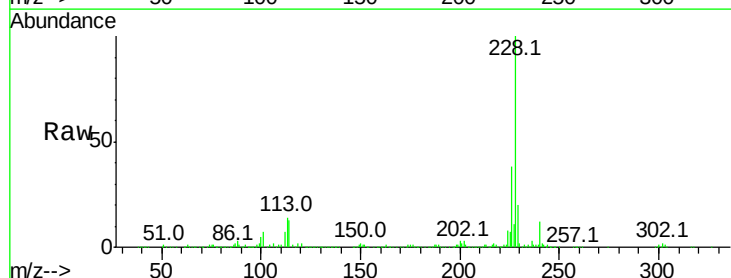
Manual Integrations
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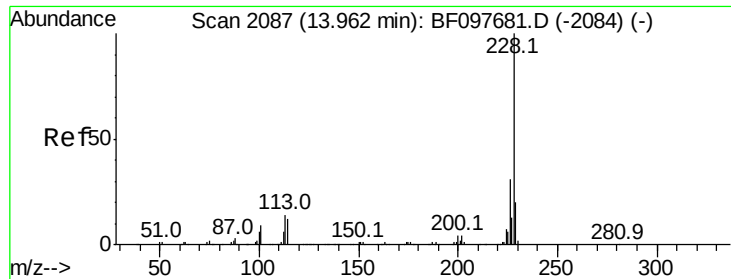
Sohil
 9/11/2017 2:42:54 PM



#80
 Benzo(a)anthracene
 Concen: 36.566 ng m
 RT: 13.82 min Scan# 1994
 Delta R.T. -0.04 min
 Lab File: BF098398.D
 Acq: 9 Sep 2017 20:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	37.9	22.6	33.8#
229	20.2	16.3	24.5





#82

Chrysene

Concen: 29.336 ng m

RT: 13.85 min Scan# 2000

Delta R.T. -0.04 min

Lab File: BF098398.D

Acq: 9 Sep 2017 20:58

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI2-4

Tot Ion:228 Resp: 367010

Ion Ratio Lower Upper

228 100

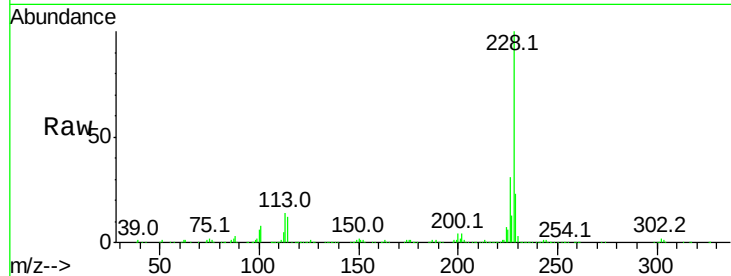
226 31.4 24.9 37.3

229 23.0 15.8 23.6

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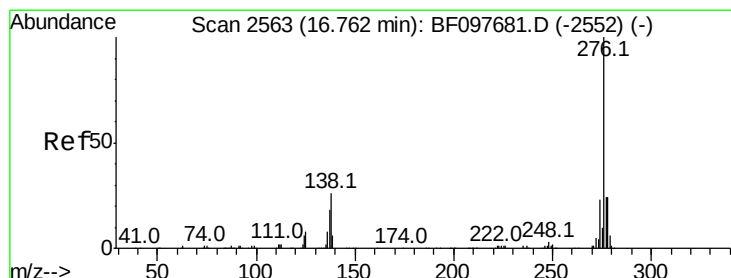
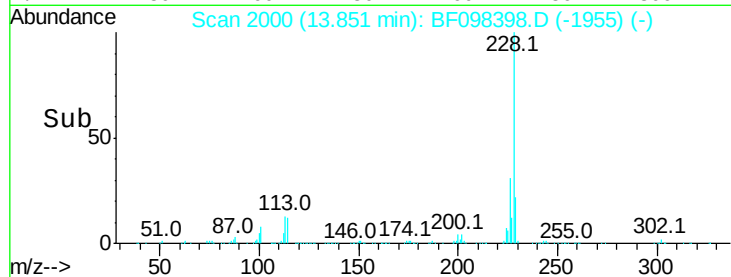
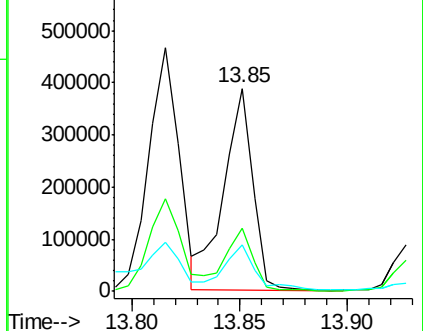
9/11/2017 2:42:54 PM



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: 17.589 ng m

RT: 16.57 min Scan# 2462

Delta R.T. -0.07 min

Lab File: BF098398.D

Acq: 9 Sep 2017 20:58

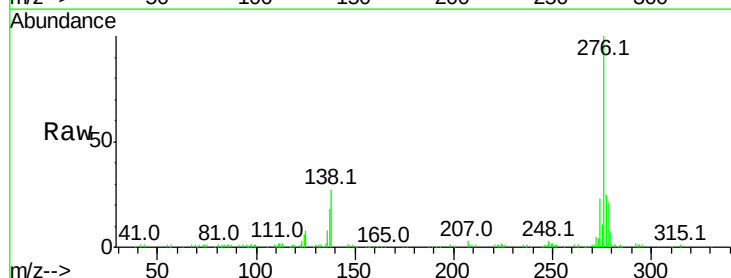
Tgt Ion:276 Resp: 161877

Ion Ratio Lower Upper

276 100

138 5.1 27.8 41.6#

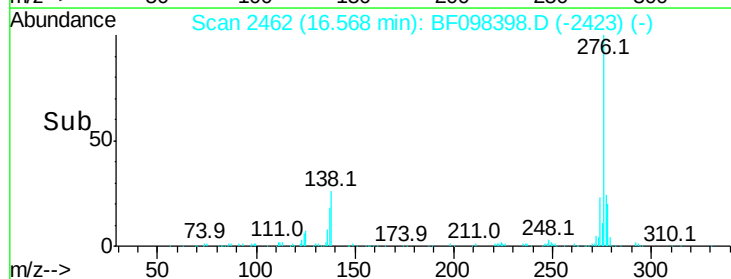
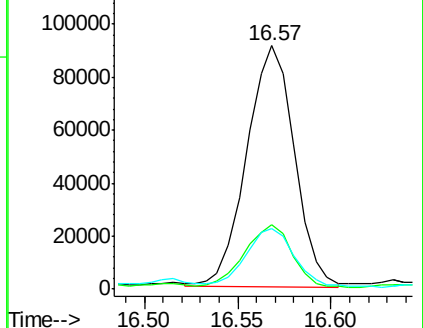
277 4.5 20.2 30.4#

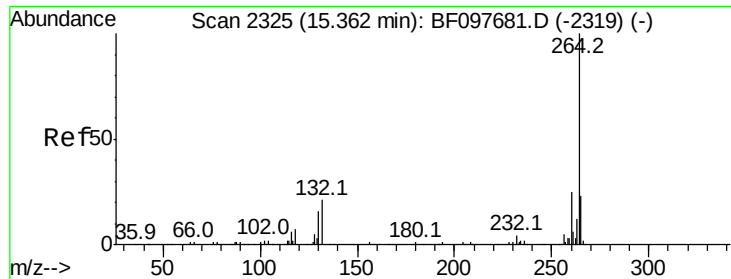


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





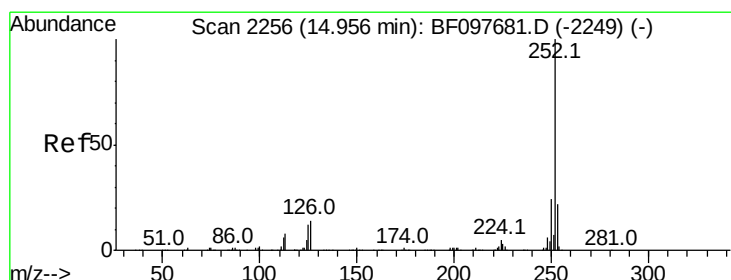
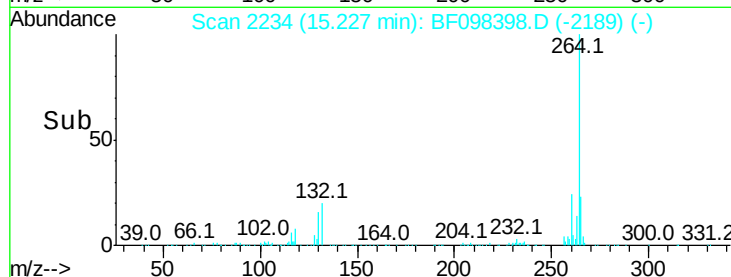
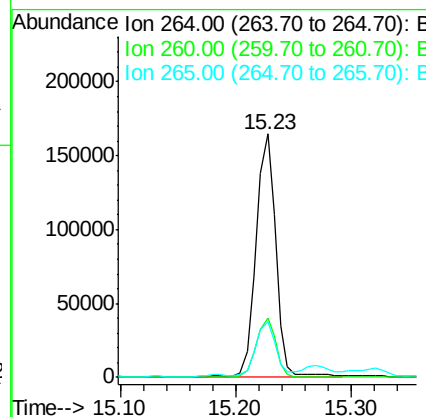
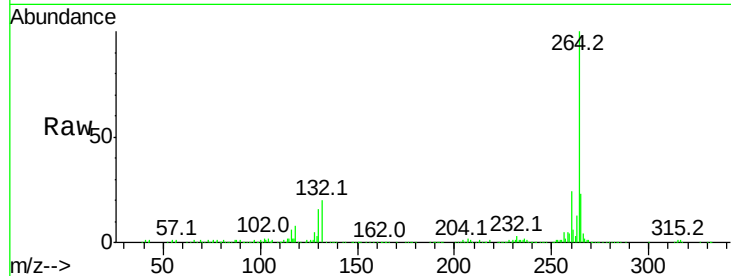
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.04 min
Lab File: BF098398.D
Acq: 9 Sep 2017 20:58

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	22.9	17.2	25.8

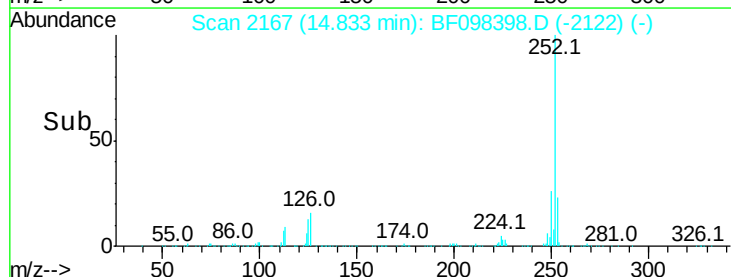
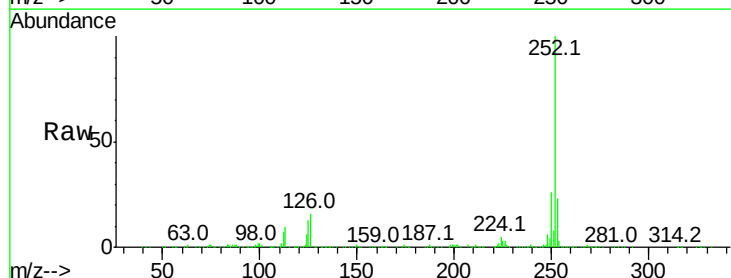
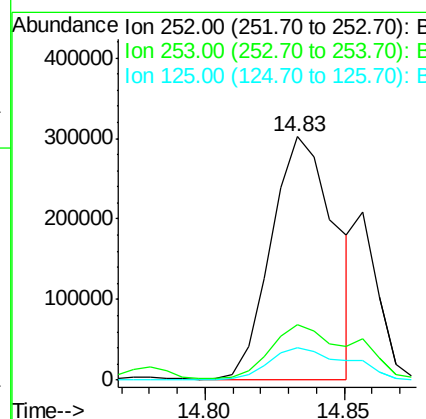
Manual Integrations
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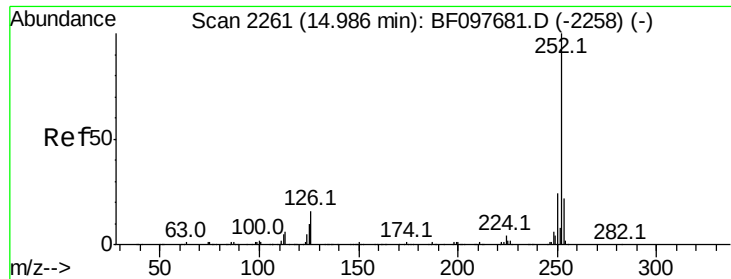
Sohil
9/11/2017 2:42:54 PM



#87
Benzo(b)fluoranthene
Concen: 38.728 ng m
RT: 14.83 min Scan# 2167
Delta R.T. -0.04 min
Lab File: BF098398.D
Acq: 9 Sep 2017 20:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	13.3	9.8	14.8





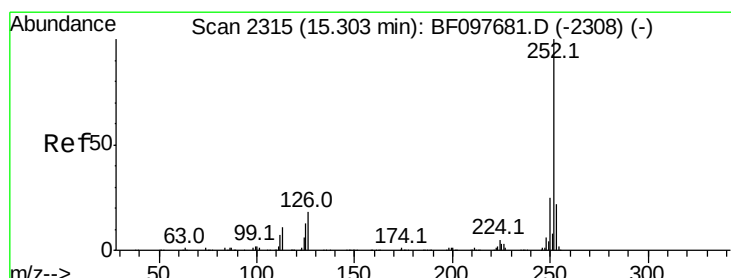
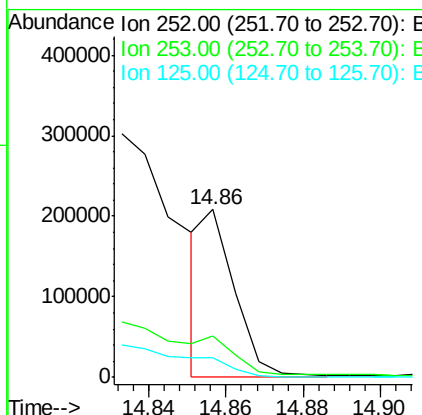
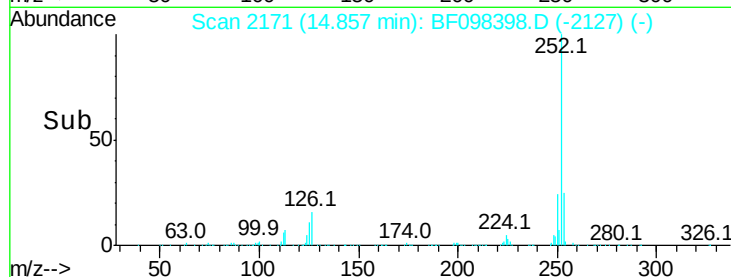
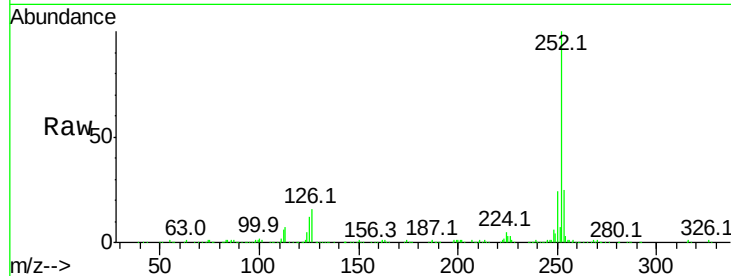
#88
Benzo(k)fluoranthene
Concen: 10.330 ng m
RT: 14.86 min Scan# 2171
Delta R.T. -0.04 min
Lab File: BF098398.D
Acq: 9 Sep 2017 20:58

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.4	27.6
125	11.6	13.1	19.7

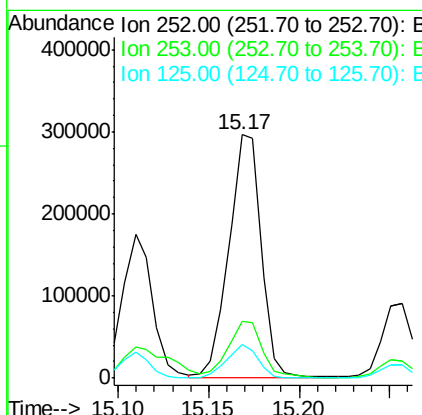
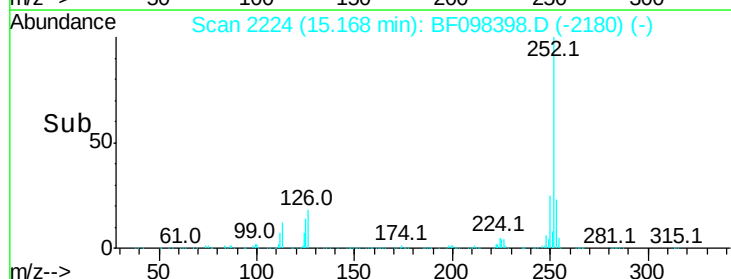
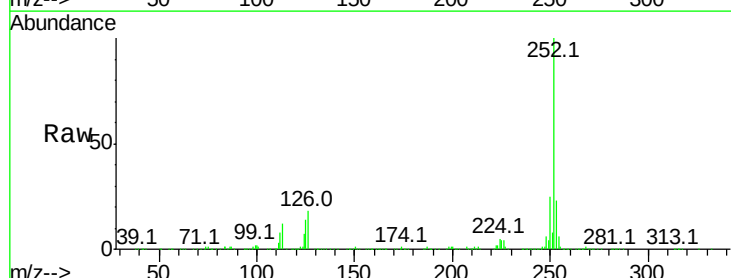
Manual Integrations
APPROVED

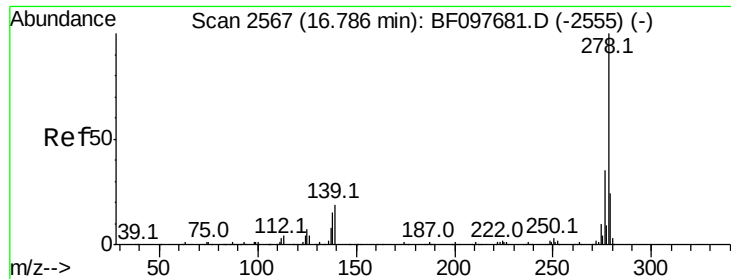
Sohil
9/11/2017 2:42:54 PM



#89
Benzo(a)pyrene
Concen: 32.959 ng
RT: 15.17 min Scan# 2224
Delta R.T. -0.04 min
Lab File: BF098398.D
Acq: 9 Sep 2017 20:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	13.8	11.0	16.4





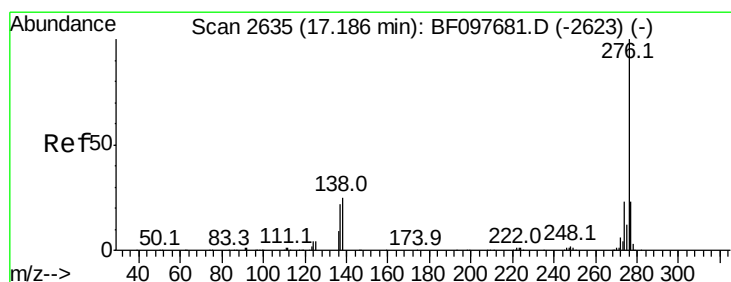
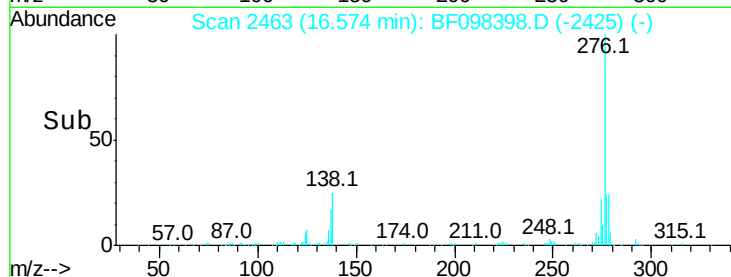
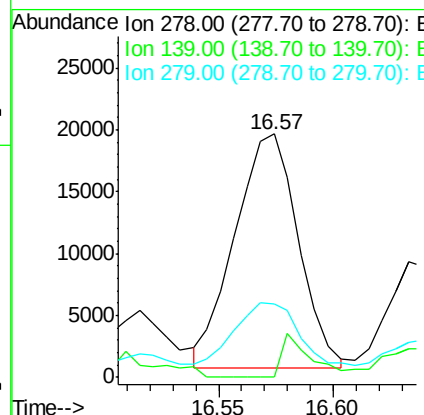
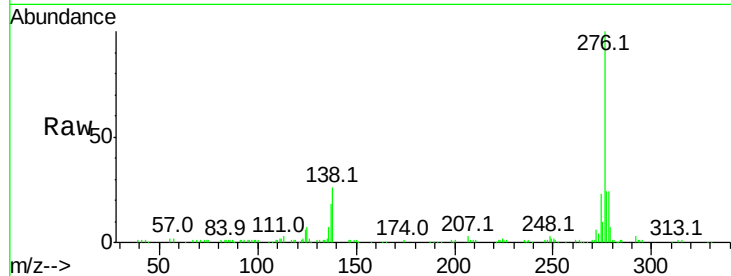
#90
Dibenzo(a,h)anthracene
Concen: 4.038 ng/mL
RT: 16.57 min Scan# 2463
Delta R.T. -0.08 min
Lab File: BF098398.D
Acq: 9 Sep 2017 20:58

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

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8#
279	30.3	19.3	28.9#

Manual Integrations
APPROVED

Sohil
9/11/2017 2:42:54 PM



#91
Benzo(g,h,i)perylene
Concen: 15.780 ng/mL
RT: 16.97 min Scan# 2531
Delta R.T. -0.08 min
Lab File: BF098398.D
Acq: 9 Sep 2017 20:58

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.6	28.0
138	25.8	25.4	38.0

