

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF090917\
 Data File : BF098397.D
 Acq On : 9 Sep 2017 20:30
 Operator : SJ/JU
 Sample : I5151-03 50X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

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

Manual Integrations
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Sohil
 9/11/2017 2:42:52 PM

Quant Time: Sep 11 12:12:40 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	99381	20.00	ng	-0.03
21) Naphthalene-d8	7.96	136	368572	20.00	ng	-0.02
38) Acenaphthene-d10	9.71	164	169402	20.00	ng	-0.03
63) Phenanthrene-d10	11.19	188	268934	20.00	ng	-0.03
75) Chrysene-d12	13.83	240	192303	20.00	ng	-0.04
86) Perylene-d12	15.23	264	196243	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	14611	2.24	ng	-0.02
7) Phenol-d6	6.33	99	22082	2.49	ng	-0.02
23) Nitrobenzene-d5	7.24	82	12426	1.83	ng	-0.04
41) 2,4,6-Tribromophenol	10.50	330	2657	1.81	ng	-0.04
44) 2-Fluorobiphenyl	9.03	172	22205	1.93	ng	-0.04
78) Terphenyl-d14	12.77	244	15113	1.64	ng	-0.04

Target Compounds					Qvalue
31) Naphthalene	8.00	128	3986350	208.334	ng 99
37) 2-Methylnaphthalene	8.67	142	1048042	89.338	ng 99
45) 1,1'-Biphenyl	9.13	154	375109	24.282	ng 97
48) Acenaphthylene	9.57	152	278687	15.548	ng # 96
51) Acenaphthene	9.75	154	1056832	93.488	ng 99
54) Dibenzofuran	9.92	168	1056058	69.704	ng 99
57) Fluorene	10.26	166	892621	76.204	ng 98
70) Phenanthrene	11.23	178	2955016	206.201	ng 99
71) Anthracene	11.27	178	1118329	76.939	ng 100
72) Carbazole	11.43	167	390701	28.318	ng 97
74) Fluoranthene	12.42	202	2155012	144.072	ng 100
77) Pylene	12.65	202	1894811	120.472	ng 98
80) Benzo(a)anthracene	13.82	228	836050m	72.539	ng
82) Chrysene	13.86	228	670086m	58.445	ng
85) Indeno(1,2,3-cd)pyrene	16.58	276	337788m	40.050	ng
87) Benzo(b)fluoranthene	14.84	252	892097m	72.119	ng
88) Benzo(k)fluoranthene	14.86	252	272641m	23.460	ng
89) Benzo(a)pyrene	15.18	252	702903	64.188	ng 97
90) Dibenzo(a,h)anthracene	16.59	278	69360m	7.780	ng
91) Benzo(a,h,i)perylene	16.99	276	310423	33.371	ng 94

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

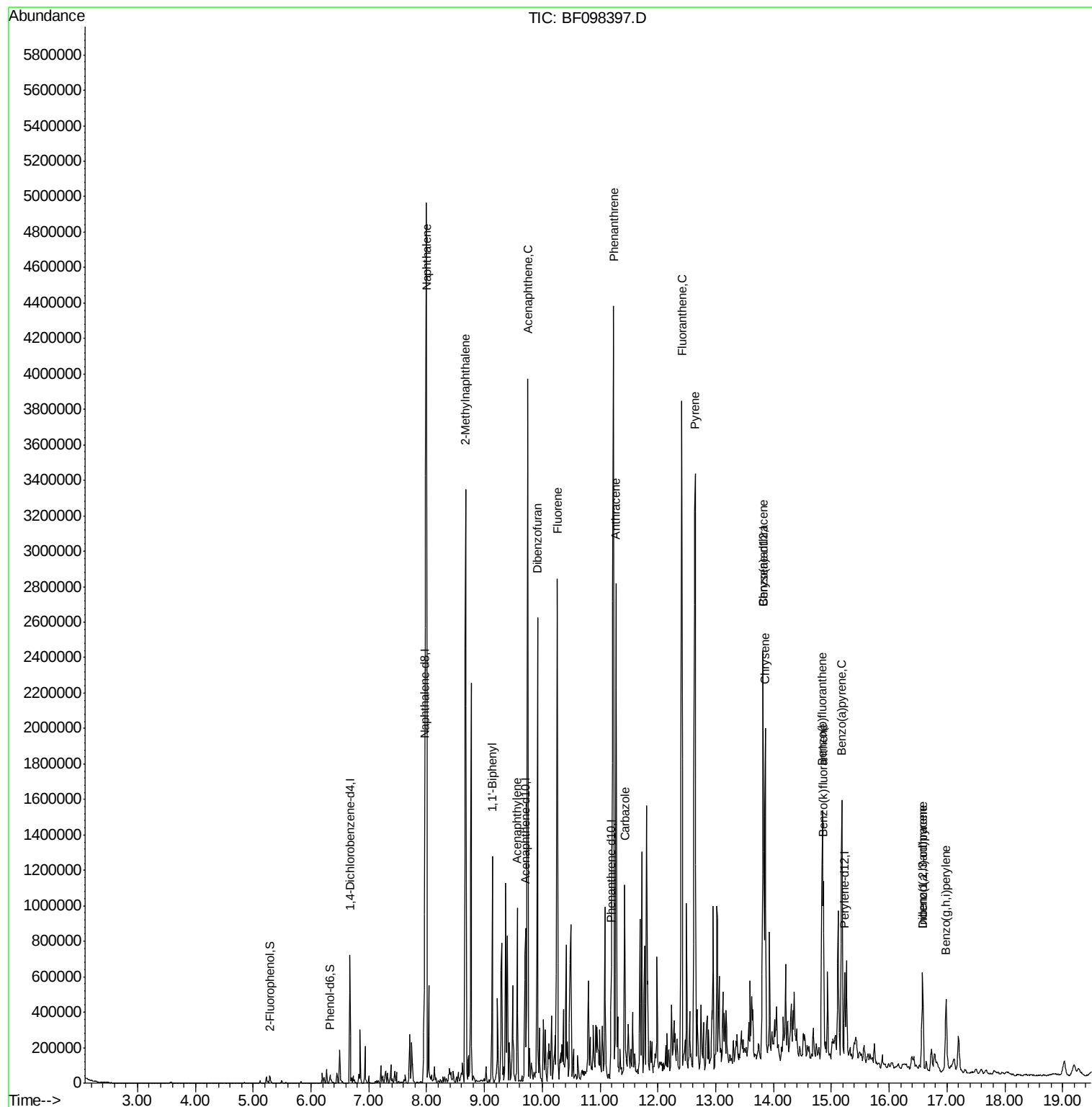
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090917\
Data File : BF098397.D
Acq On : 9 Sep 2017 20:30
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ALS Vial : 22 Sample Multiplier: 1

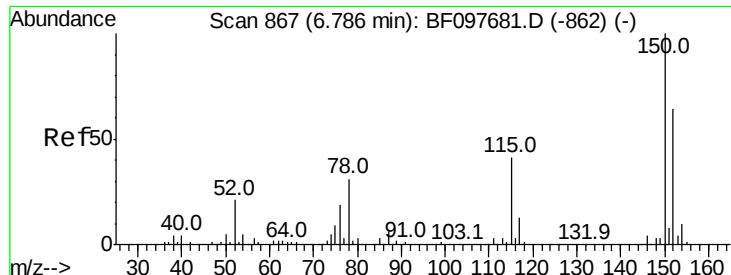
Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-3

Manual Integrations
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9/11/2017 2:42:52 PM

Quant Time: Sep 11 12:12:40 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

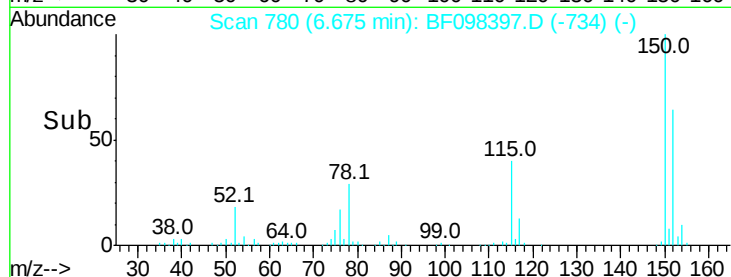
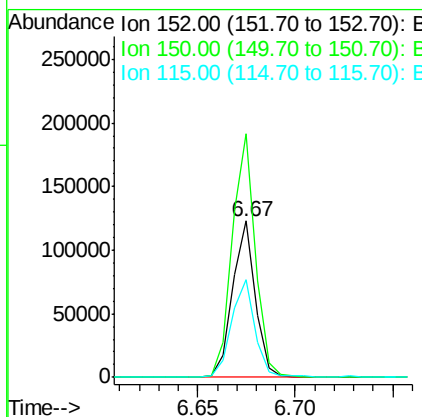
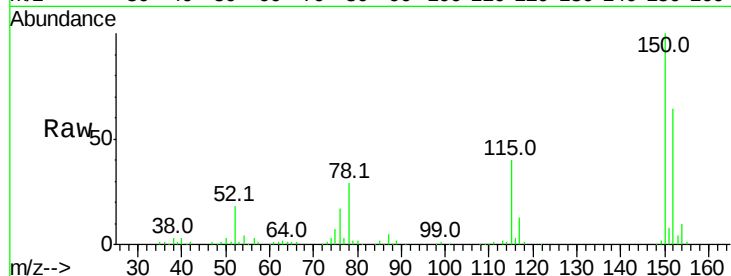
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 780
Delta R.T. -0.03 min
Lab File: BF098397.D
Acq: 9 Sep 2017 20:30

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	126.2	189.2
115	62.9	52.2	78.2

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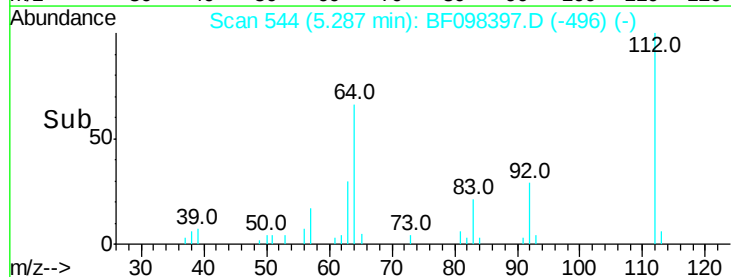
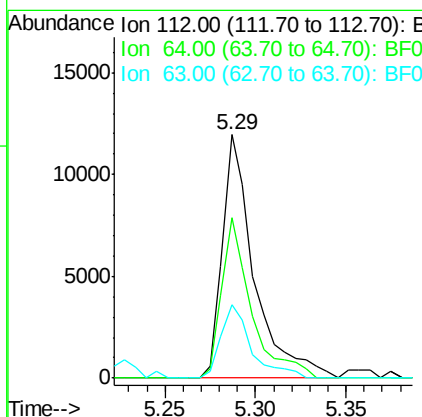
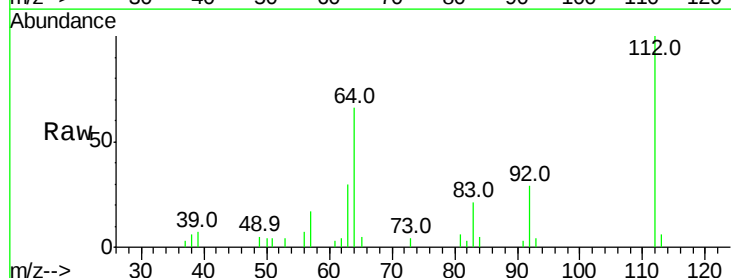
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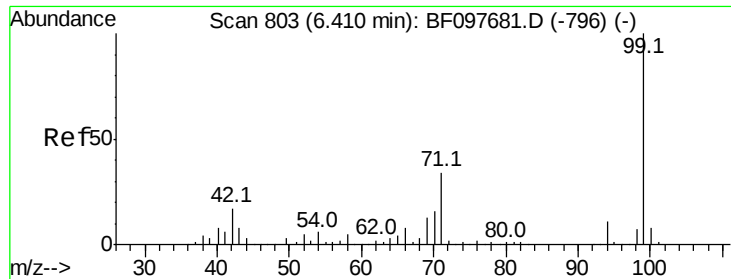


#5

2-Fluorophenol
Concen: 2.236 ng
RT: 5.29 min Scan# 544
Delta R.T. -0.02 min
Lab File: BF098397.D
Acq: 9 Sep 2017 20:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.8	46.0	69.0
63	29.9	23.4	35.0





#7

Phenol-d6

Concen: 2.487 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.02 min

Lab File: BF098397.D

Acq: 9 Sep 2017 20:30

Instrument :

BNA_F

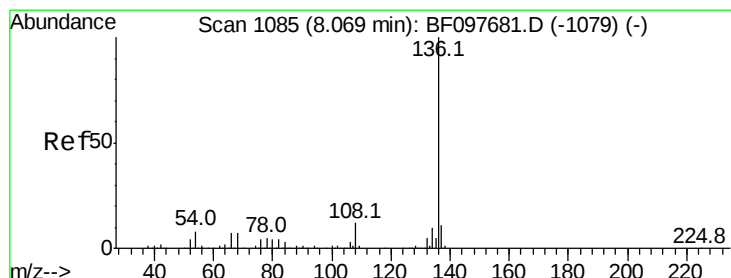
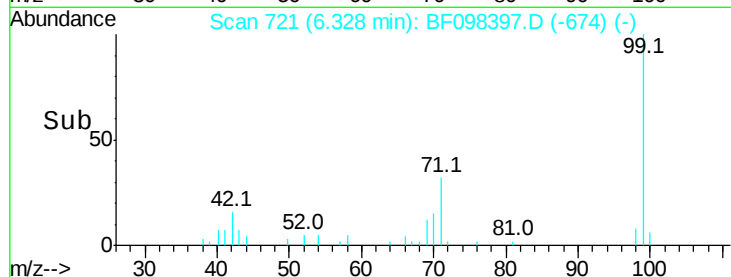
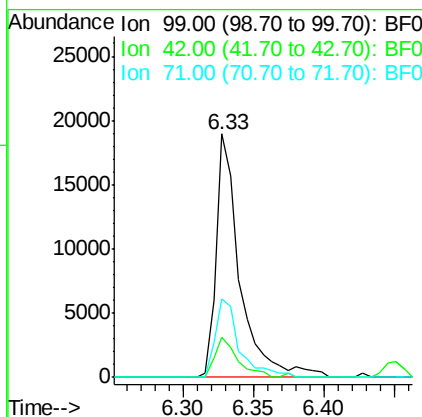
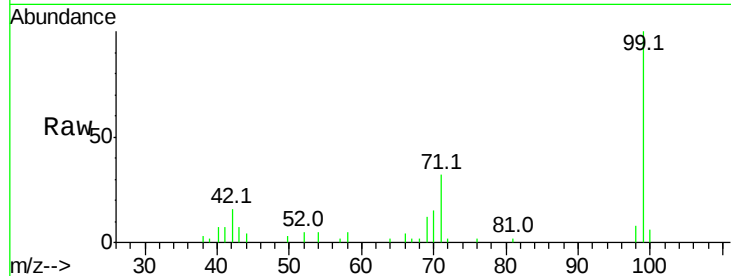
ClientSampleId :

NYSEG-PH4-ESMI2-3

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		22082		
42	16.3	13.5	20.3		
71	32.4	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

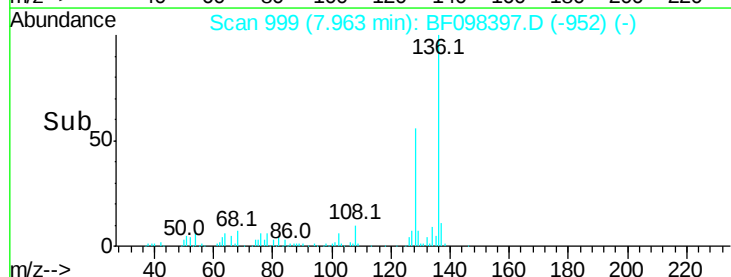
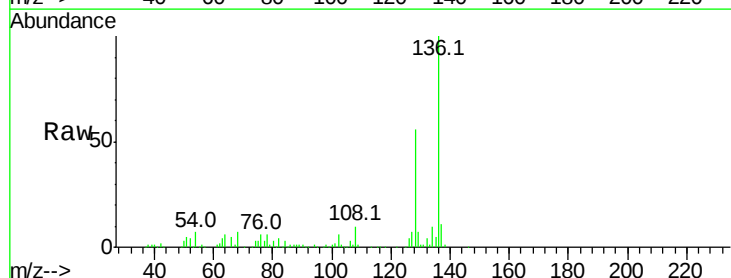
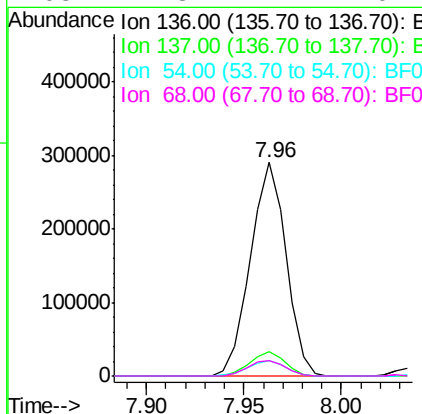
RT: 7.96 min Scan# 999

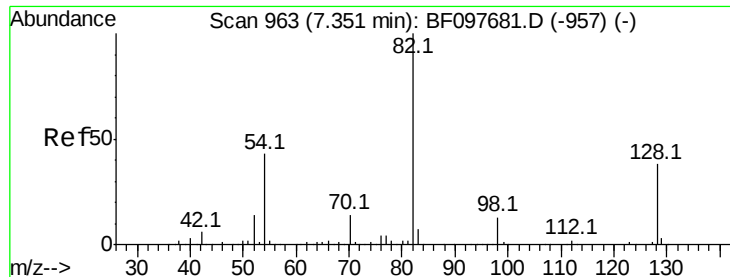
Delta R.T. -0.02 min

Lab File: BF098397.D

Acq: 9 Sep 2017 20:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		368572		
137	11.4	8.5	12.7		
54	7.1	4.9	7.3		
68	7.3	4.1	6.1#		





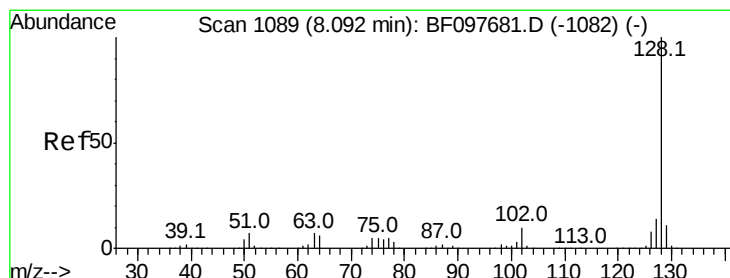
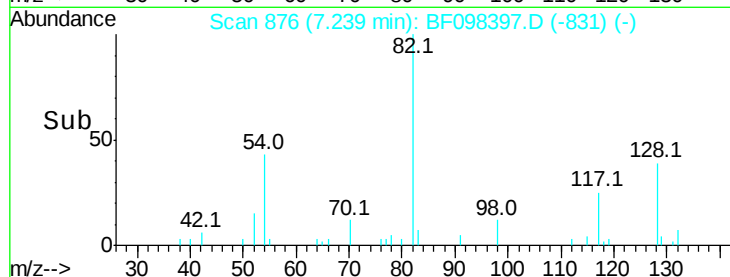
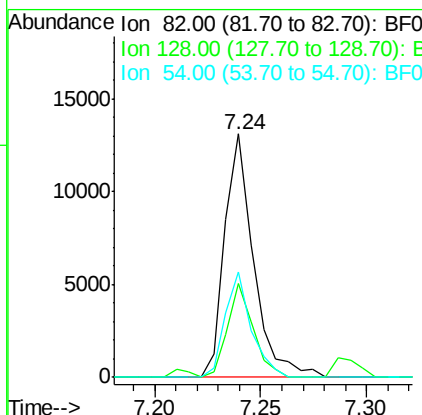
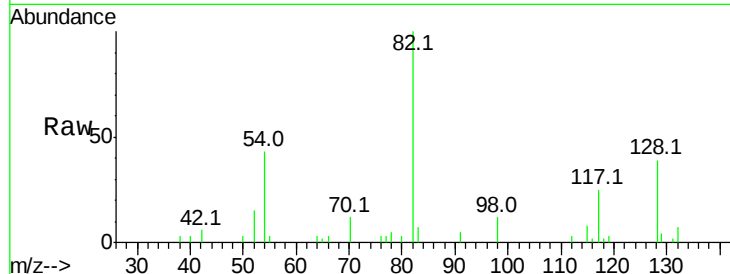
#23
Nitrobenzene-d5
Concen: 1.831 ng
RT: 7.24 min Scan# 876
Delta R.T. -0.04 min
Lab File: BF098397.D
Acq: 9 Sep 2017 20:30

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	38.7	34.0	51.0
54	43.4	42.2	63.2

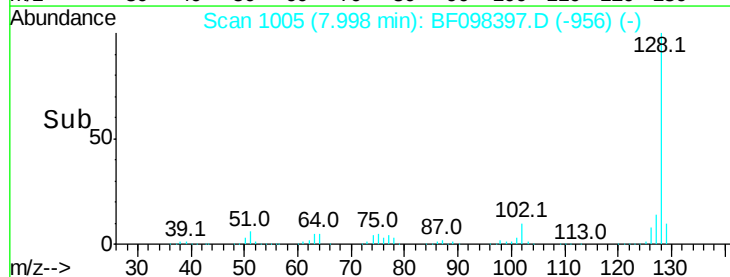
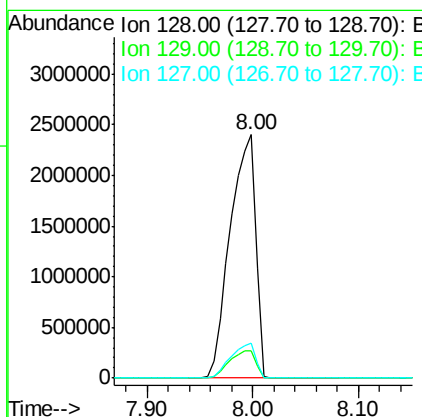
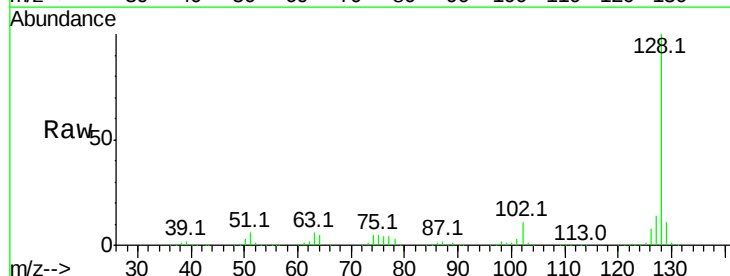
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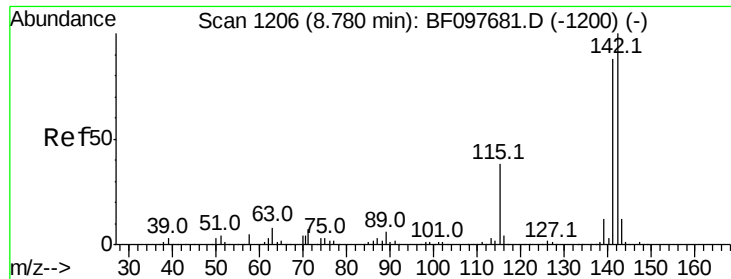
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#31
Naphthalene
Concen: 208.334 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF098397.D
Acq: 9 Sep 2017 20:30

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.0	13.6
127	14.4	10.8	16.2





#37

2-Methylnaphthalene

Concen: 89.338 ng

RT: 8.67 min Scan# 1120

Delta R.T. -0.03 min

Lab File: BF098397.D

Acq: 9 Sep 2017 20:30

Instrument :

BNA_F

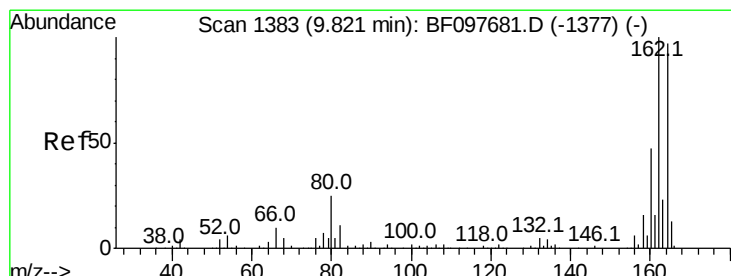
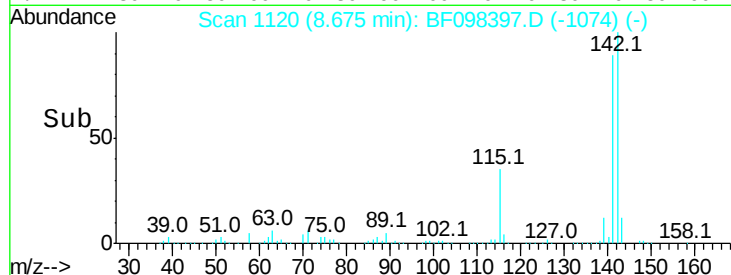
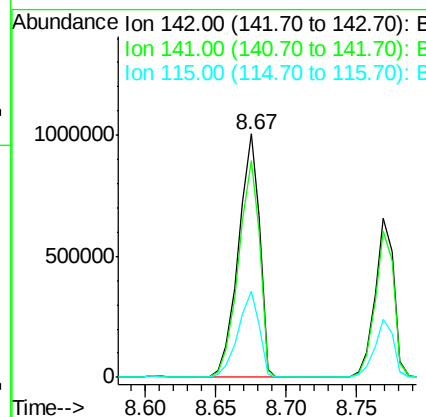
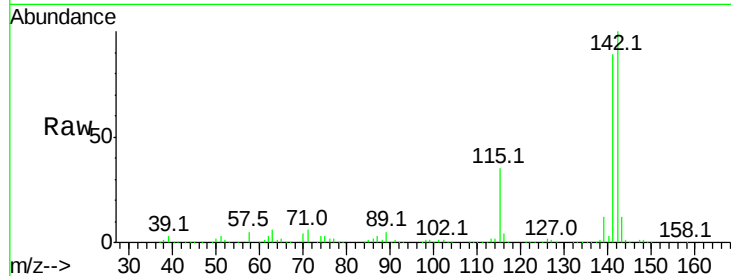
ClientSampleId :

NYSEG-PH4-ESMI2-3

Tot Ion:	142	Resp:	1048042
Ion	Ratio	Lower	Upper
142	100		
141	88.9	71.3	106.9
115	35.3	27.1	40.7

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#38

Acenaphthene-d10

Concen: 20.000 ng

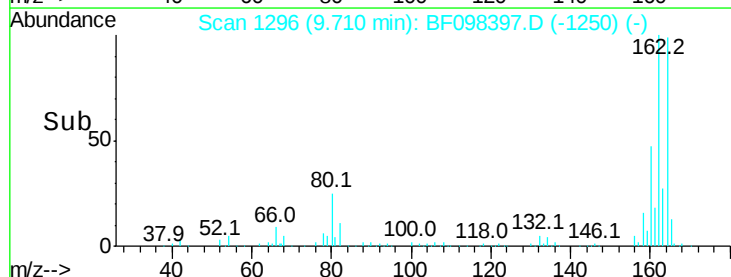
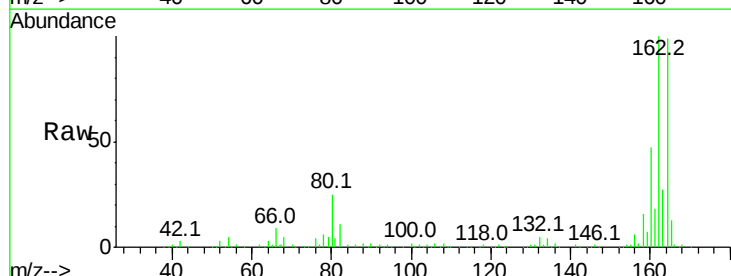
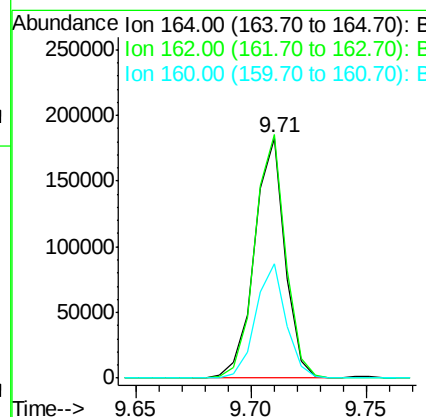
RT: 9.71 min Scan# 1296

Delta R.T. -0.03 min

Lab File: BF098397.D

Acq: 9 Sep 2017 20:30

Tgt Ion:	164	Resp:	169402
Ion	Ratio	Lower	Upper
164	100		
162	101.4	82.6	123.8
160	47.4	36.2	54.2





#41

2,4,6-Tribromophenol

Concen: 1.808 ng

RT: 10.50 min Scan# 1430

Delta R.T. -0.04 min

Lab File: BF098397.D

Acq: 9 Sep 2017 20:30

Instrument :

BNA_F

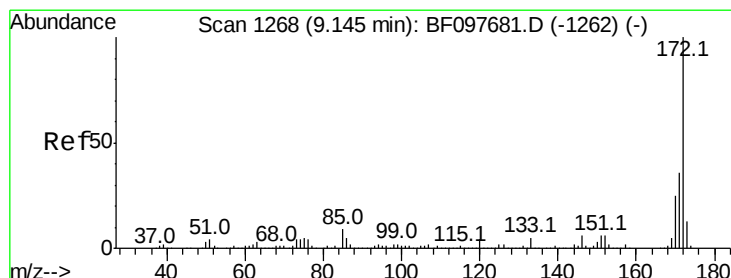
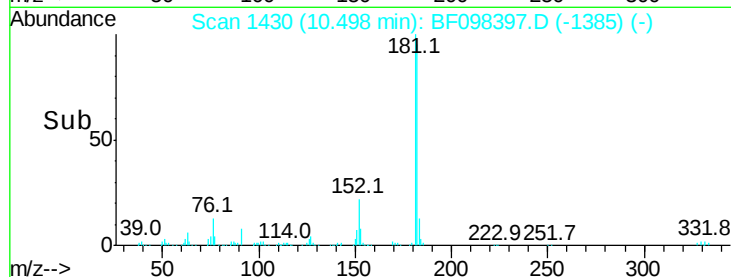
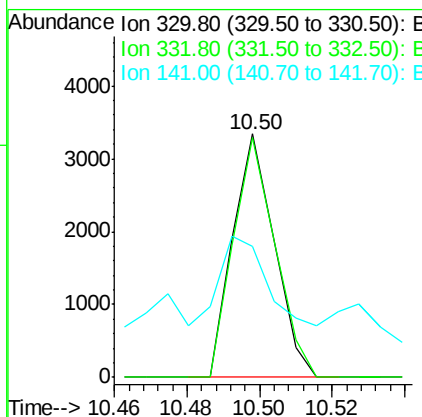
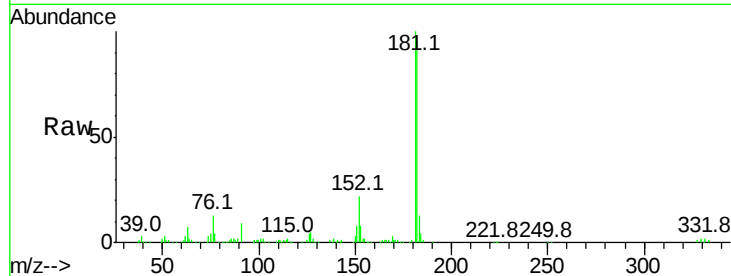
ClientSampleId :

NYSEG-PH4-ESMI2-3

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.4	76.6	115.0
141	53.1	31.4	47.2#

Manual Integrations
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#44

2-Fluorobiphenyl

Concen: 1.926 ng

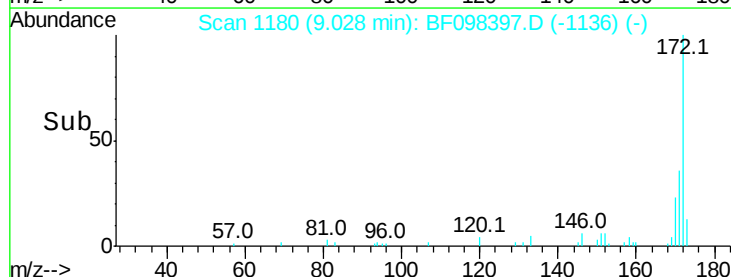
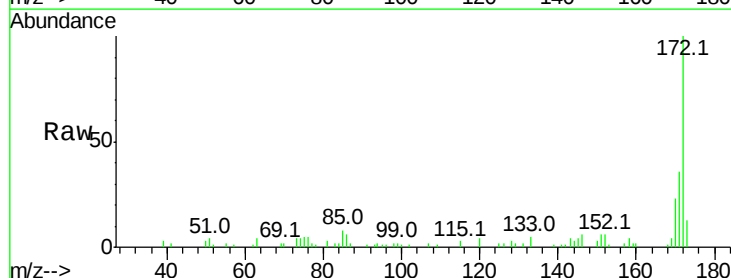
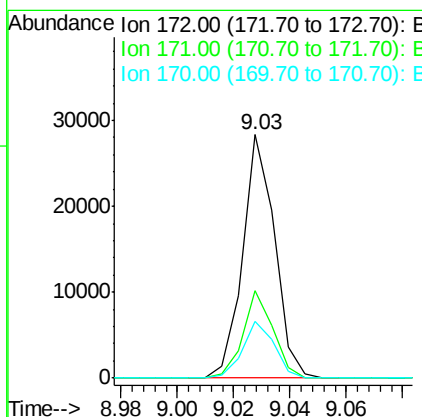
RT: 9.03 min Scan# 1180

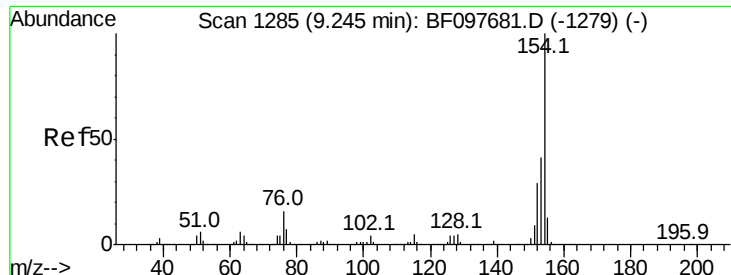
Delta R.T. -0.04 min

Lab File: BF098397.D

Acq: 9 Sep 2017 20:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.6	44.4
170	23.5	19.8	29.8





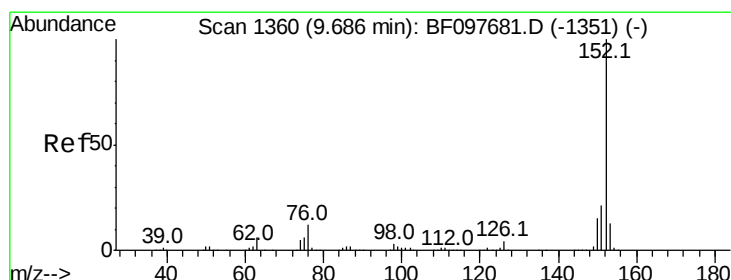
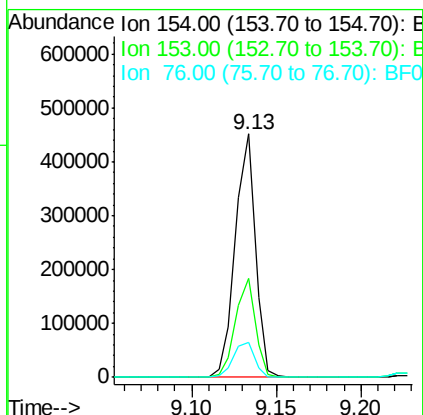
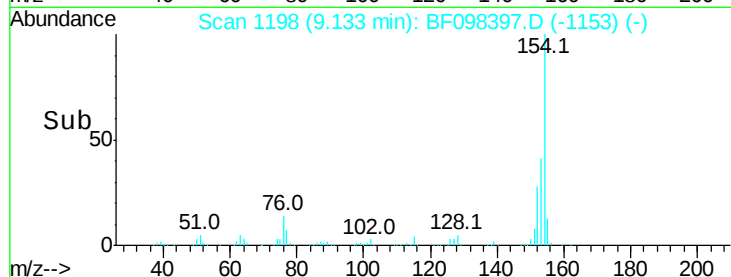
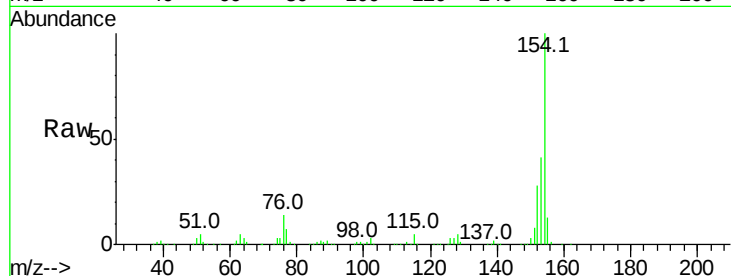
#45
 1,1'-Biphenyl
 Concen: 24.282 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.04 min
 Lab File: BF098397.D
 Acq: 9 Sep 2017 20:30

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

Tot Ion	Ratio	Resp	Lower	Upper
154	100			
153	40.8	21.2	61.2	
76	14.2	0.0	29.9	

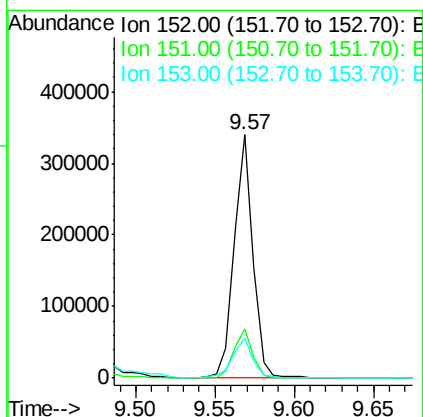
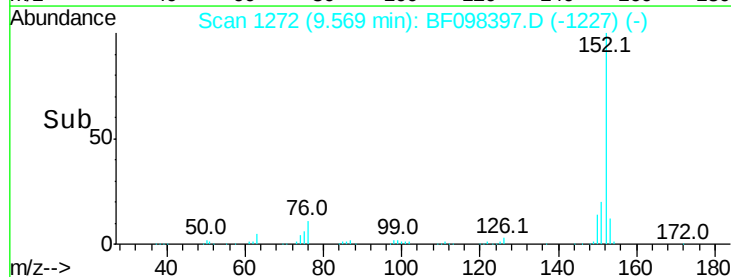
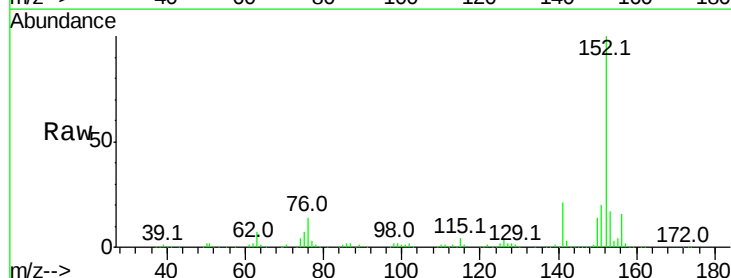
Manual Integrations
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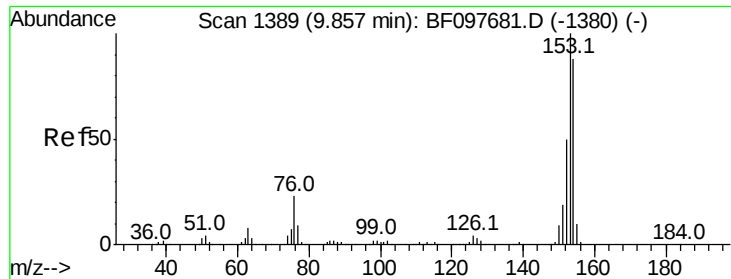
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#48
 Acenaphthylene
 Concen: 15.548 ng
 RT: 9.57 min Scan# 1272
 Delta R.T. -0.04 min
 Lab File: BF098397.D
 Acq: 9 Sep 2017 20:30

Tgt Ion	Ratio	Resp	Lower	Upper
152	100			
151	20.2	16.8	25.2	
153	16.5	10.8	16.2#	





#51

Acenaphthene

Concen: 93.488 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.02 min

Lab File: BF098397.D

Acq: 9 Sep 2017 20:30

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI2-3

Tot Ion:154 Resp: 1056832

Ion Ratio Lower Upper

154 100

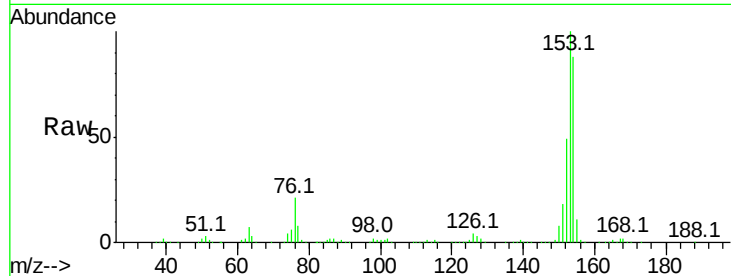
153 113.6 90.5 135.7

152 55.1 43.6 65.4

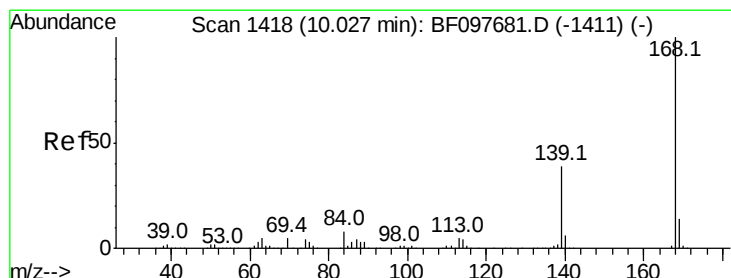
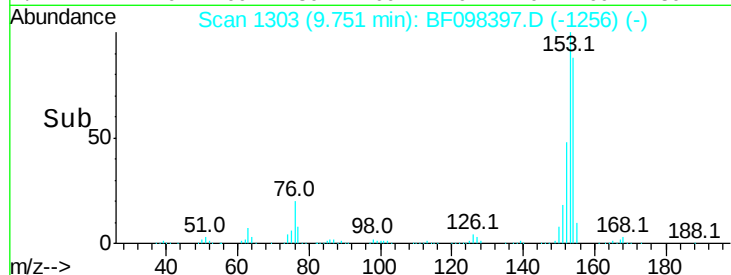
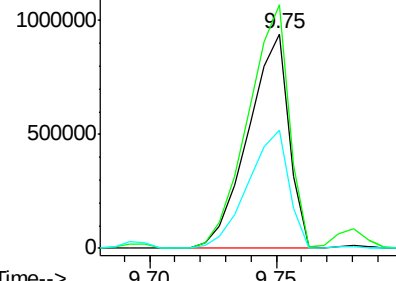
Manual Integrations
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 69.704 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.03 min

Lab File: BF098397.D

Acq: 9 Sep 2017 20:30

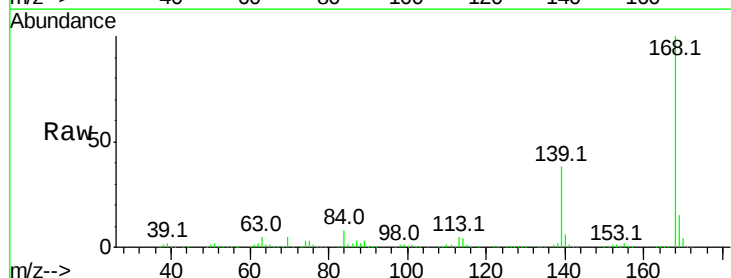
Tgt Ion:168 Resp: 1056058

Ion Ratio Lower Upper

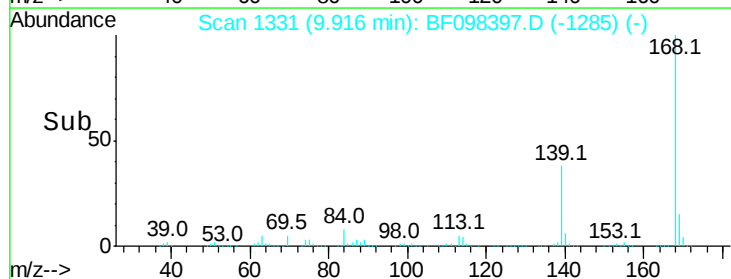
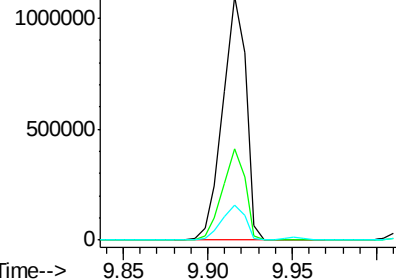
168 100

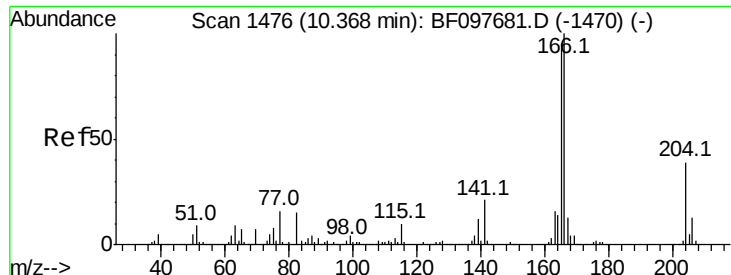
139 37.6 30.6 45.8

169 14.6 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





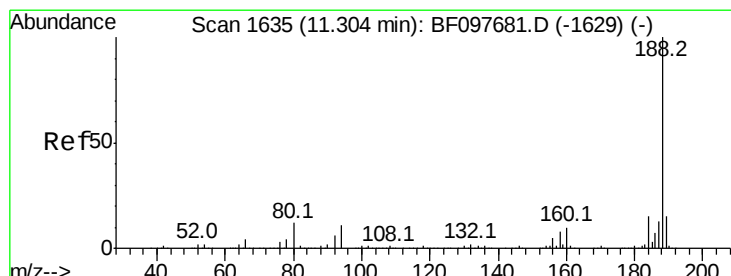
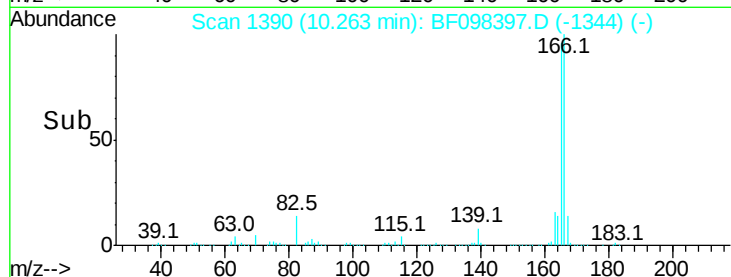
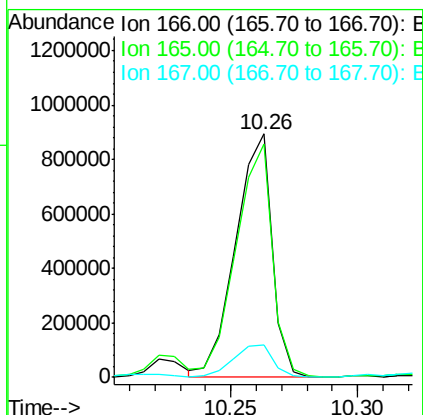
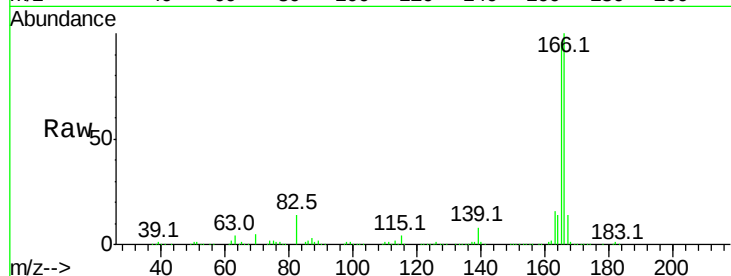
#57
Fluorene
 Concen: 76.204 ng
 RT: 10.26 min Scan# 1390
 Delta R.T. -0.03 min
 Lab File: BF098397.D
 Acq: 9 Sep 2017 20:30

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

Tot Ion	Ratio	Resp	Lower	Upper
166	100	892621		
165	96.0		78.8	118.2
167	13.6		10.6	16.0

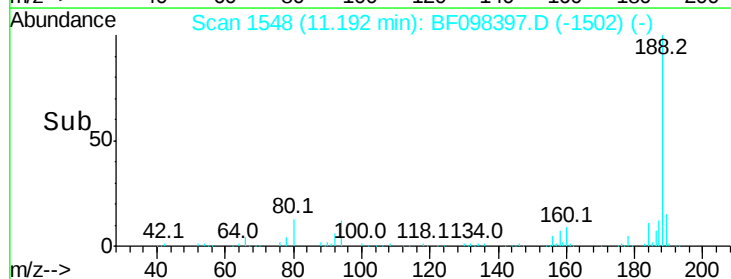
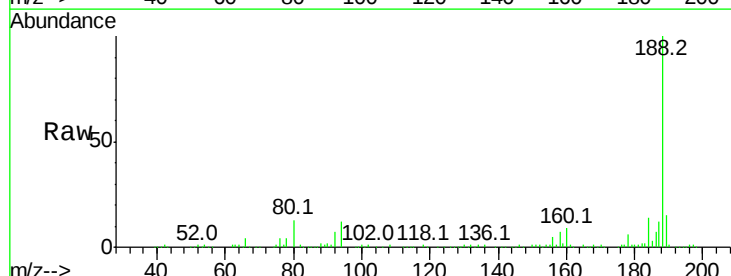
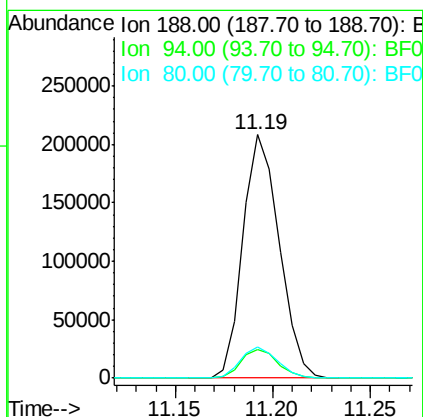
Manual Integrations
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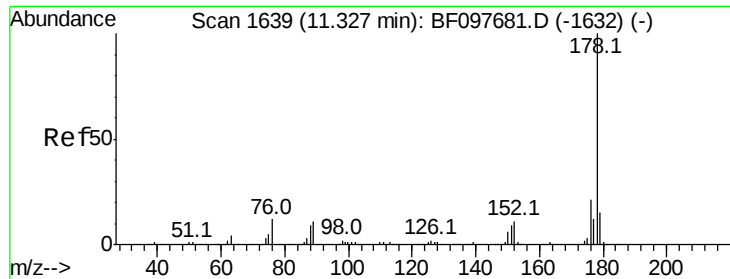
Sohil
 9/11/2017 2:42:52 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.19 min Scan# 1548
 Delta R.T. -0.03 min
 Lab File: BF098397.D
 Acq: 9 Sep 2017 20:30

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	268934		
94	11.8		9.4	14.2
80	13.1		10.2	15.2





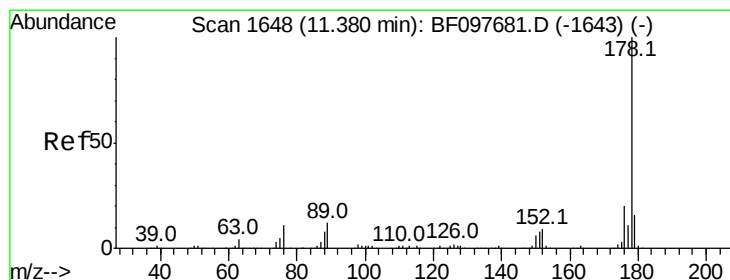
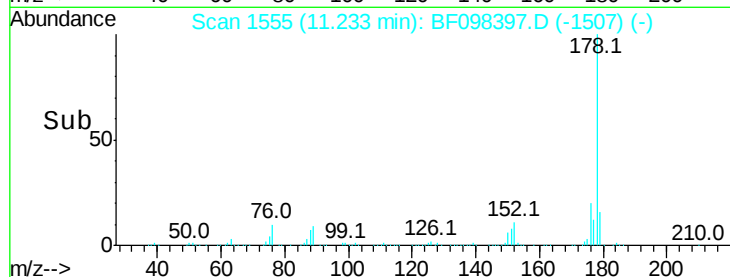
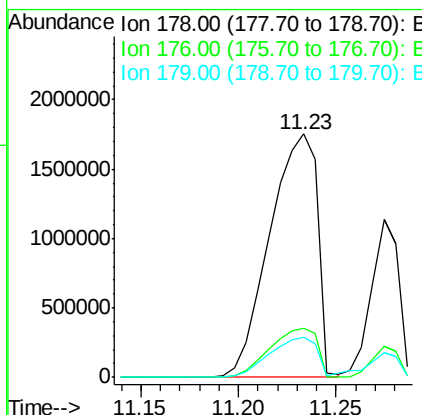
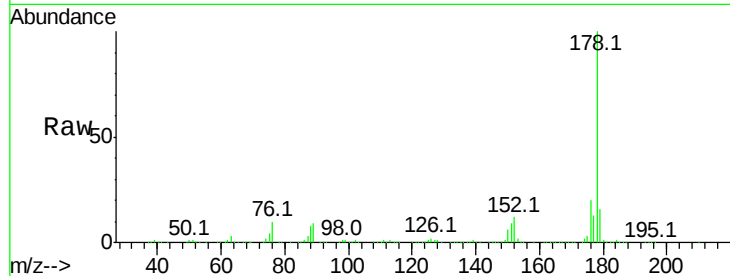
#70
Phenanthrene
Concen: 206.201 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.02 min
Lab File: BF098397.D
Acq: 9 Sep 2017 20:30

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

Tot Ion:178 Resp: 2955016
Ion Ratio Lower Upper
178 100
176 20.2 16.2 24.4
179 16.2 12.6 19.0

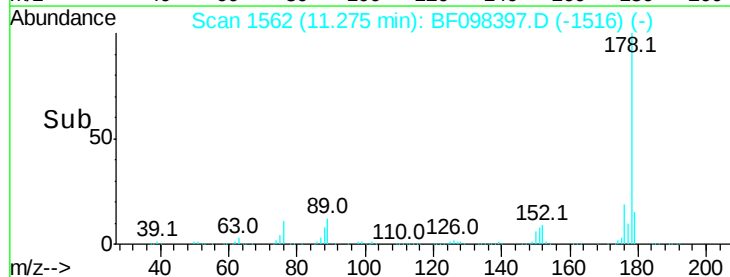
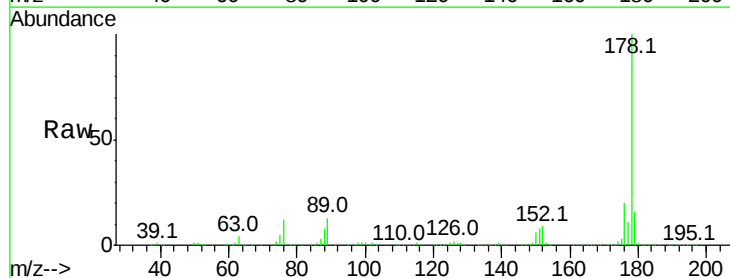
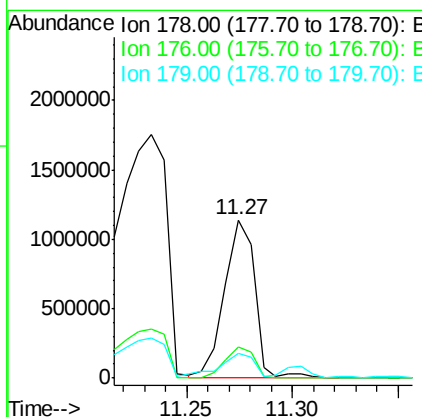
Manual Integrations
APPROVED

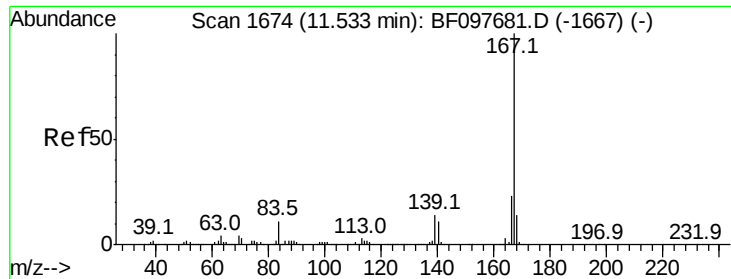
Sohil
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#71
Anthracene
Concen: 76.939 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.03 min
Lab File: BF098397.D
Acq: 9 Sep 2017 20:30

Tgt Ion:178 Resp: 1118329
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.8
179 15.9 12.7 19.1





#72

Carbazole

Concen: 28.318 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.03 min

Lab File: BF098397.D

Acq: 9 Sep 2017 20:30

Instrument :

BNA_F

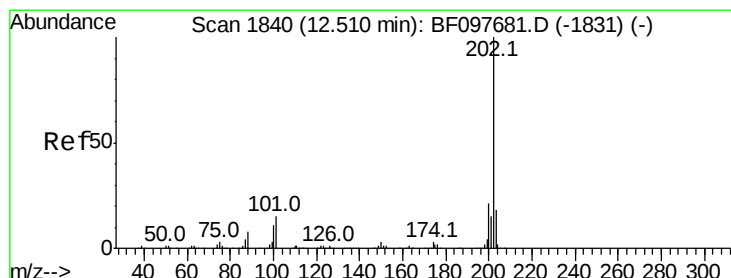
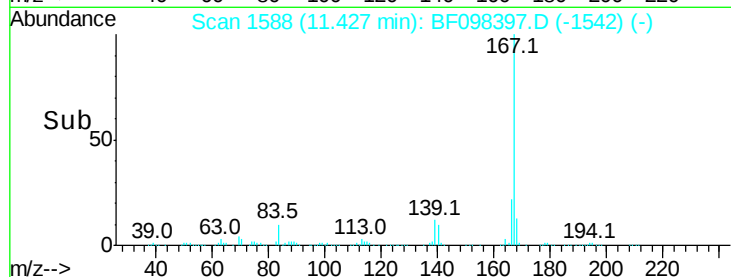
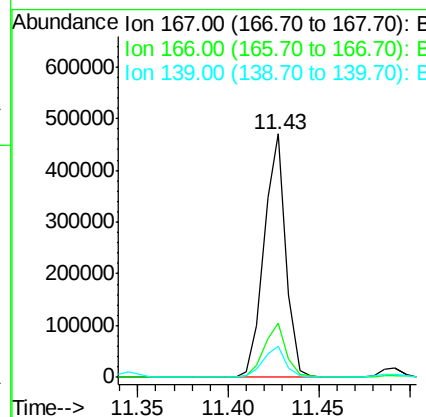
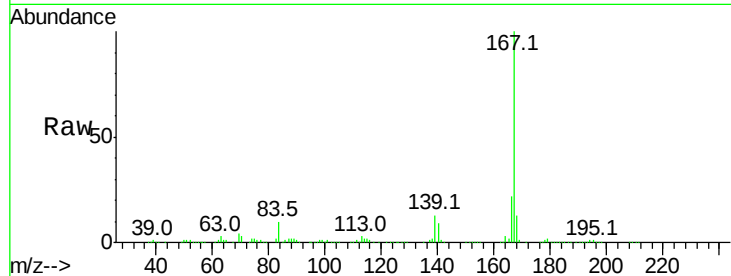
ClientSampleId :

NYSEG-PH4-ESMI2-3

Tot Ion:	167	Resp:	390701
Ion Ratio	Lower	Upper	
167	100		
166	22.1	18.1	27.1
139	12.6	11.7	17.5

Manual Integrations
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#74

Fluoranthene

Concen: 144.072 ng

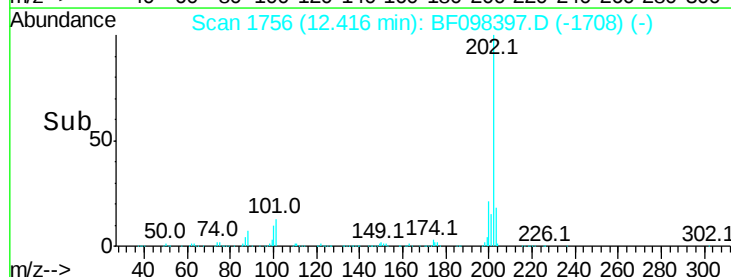
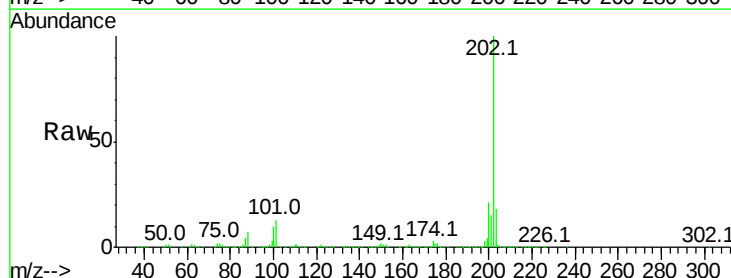
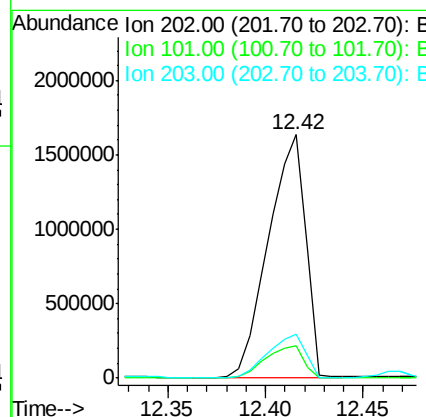
RT: 12.42 min Scan# 1756

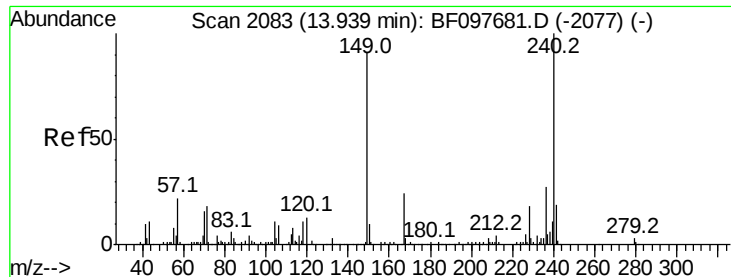
Delta R.T. -0.02 min

Lab File: BF098397.D

Acq: 9 Sep 2017 20:30

Tgt Ion:	202	Resp:	2155012
Ion Ratio	Lower	Upper	
202	100		
101	13.3	0.0	33.2
203	17.9	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: BF098397.D

Acq: 9 Sep 2017 20:30

Instrument :

BNA_F

ClientSampleId :

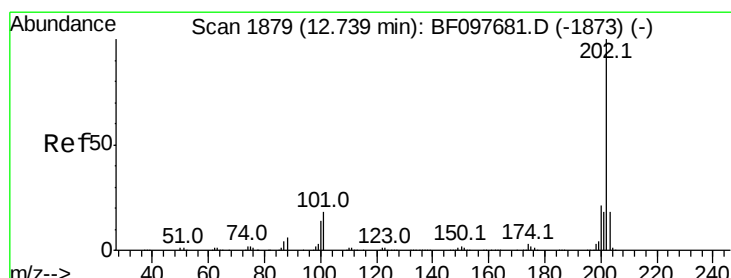
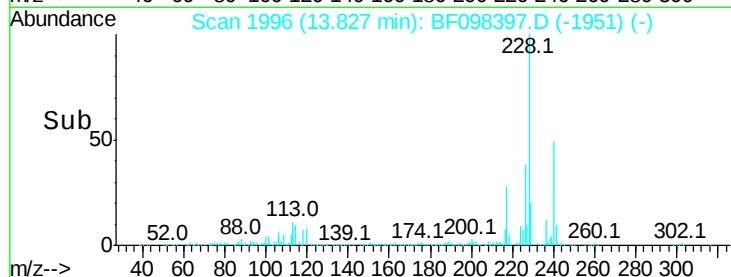
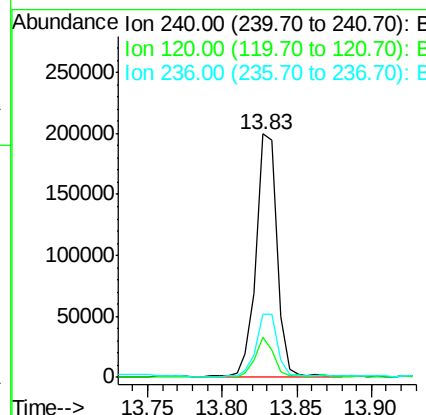
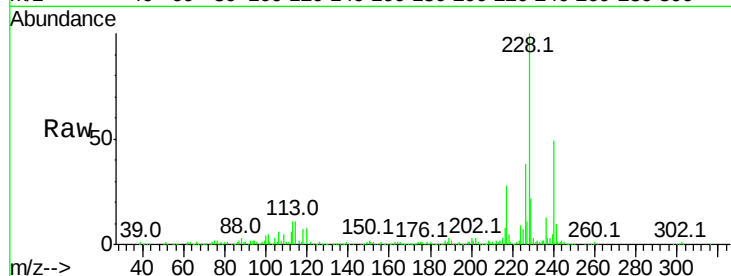
NYSEG-PH4-ESMI2-3

Tot Ion	Ratio	Lower	Upper
240	100		
120	16.3	5.8	8.8#
236	25.7	20.5	30.7

Manual Integrations
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#77

Pyrene

Concen: 120.472 ng

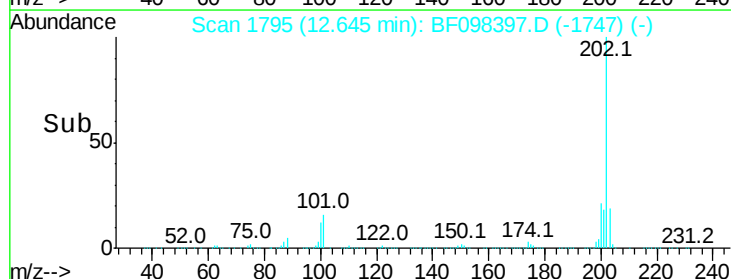
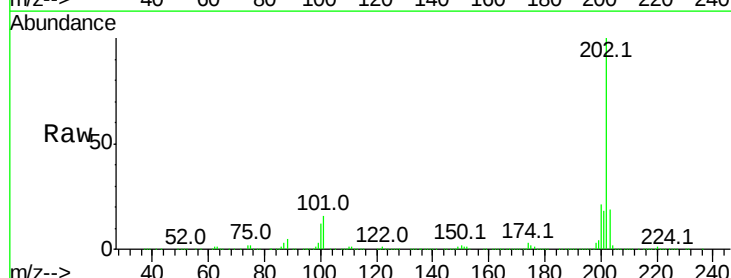
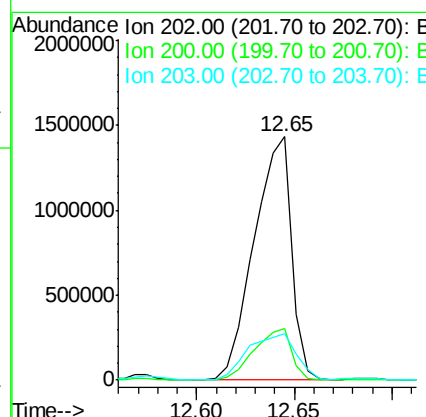
RT: 12.65 min Scan# 1795

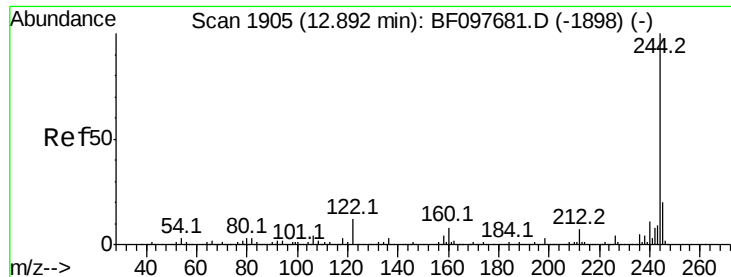
Delta R.T. -0.02 min

Lab File: BF098397.D

Acq: 9 Sep 2017 20:30

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.6	26.4
203	19.3	14.4	21.6





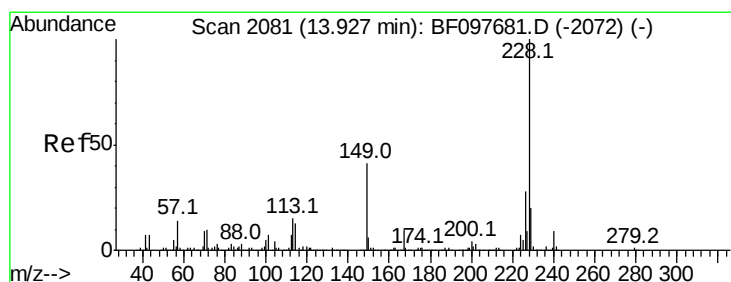
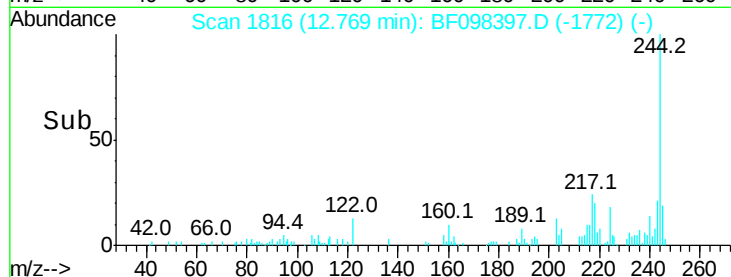
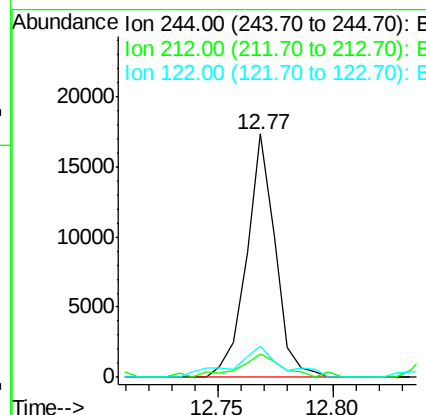
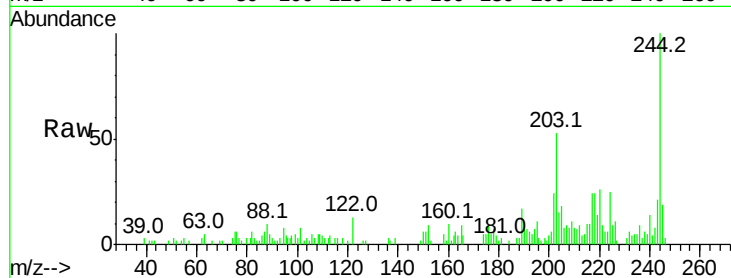
#78
 Terphenyl-d14
 Concen: 1.639 ng
 RT: 12.77 min Scan# 1816
 Delta R.T. -0.04 min
 Lab File: BF098397.D
 Acq: 9 Sep 2017 20:30

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

Tot Ion	Ratio	Lower	Upper
244	100		
212	9.4	6.0	9.0#
122	12.8	10.3	15.5

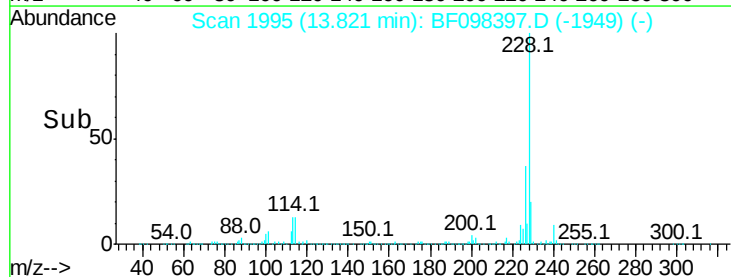
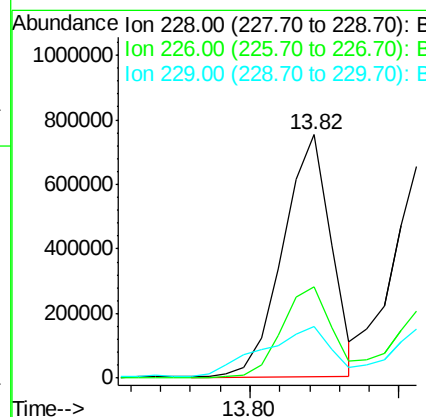
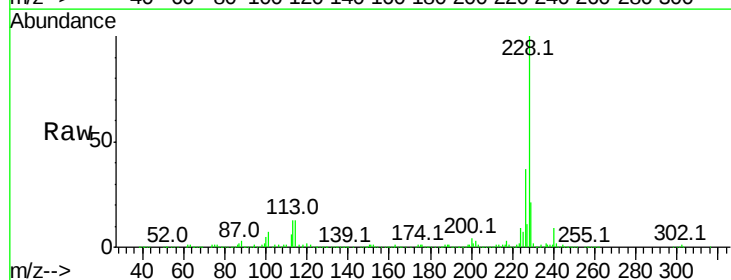
Manual Integrations
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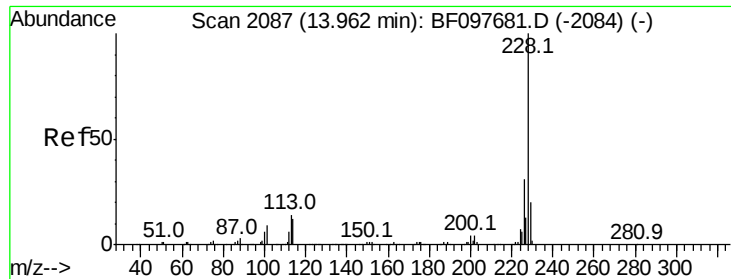
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#80
 Benzo(a)anthracene
 Concen: 72.539 ng m
 RT: 13.82 min Scan# 1995
 Delta R.T. -0.03 min
 Lab File: BF098397.D
 Acq: 9 Sep 2017 20:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	37.4	22.6	33.8#
229	21.0	16.3	24.5





#82

Chrysene

Concen: 58.445 ng m

RT: 13.86 min Scan# 2001

Delta R.T. -0.03 min

Lab File: BF098397.D

Acq: 9 Sep 2017 20:30

Instrument :

BNA_F

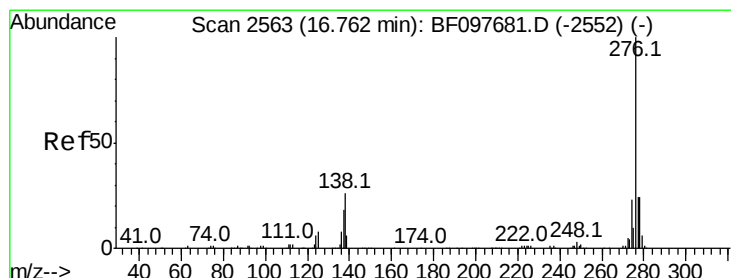
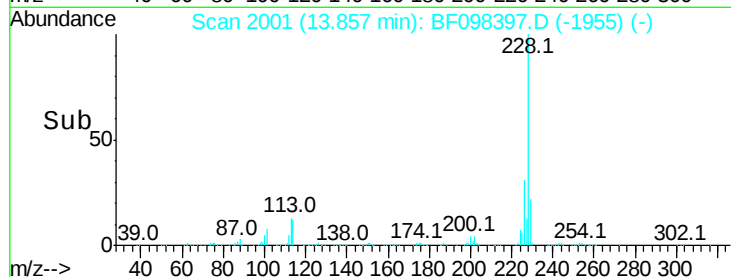
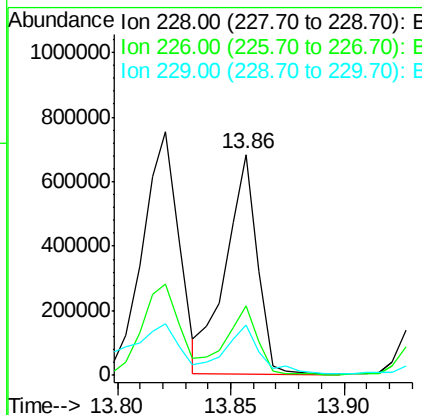
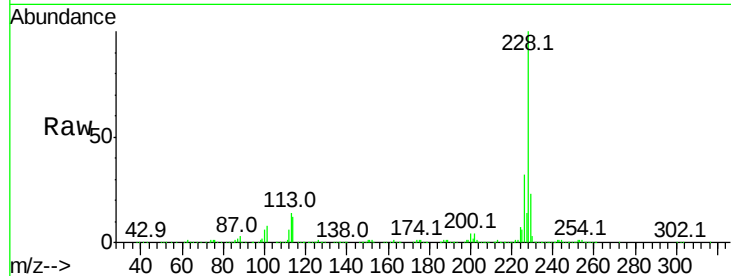
ClientSampleID :

NYSEG-PH4-ESMI2-3

Tot Ion:	228	Resp:	670086
Ion Ratio	Lower	Upper	
228	100		
226	31.7	24.9	37.3
229	23.1	15.8	23.6

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 40.050 ng m

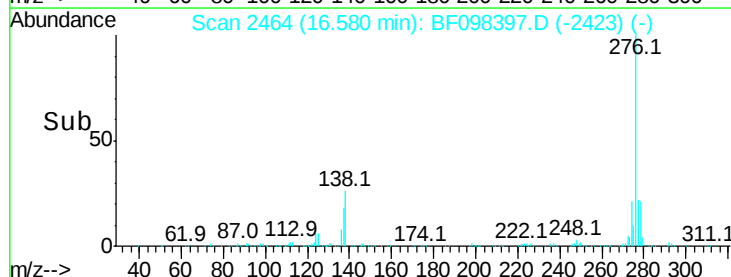
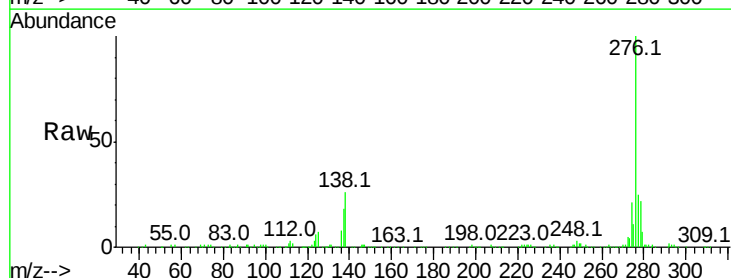
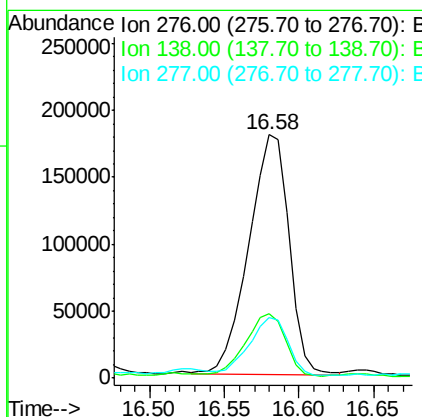
RT: 16.58 min Scan# 2464

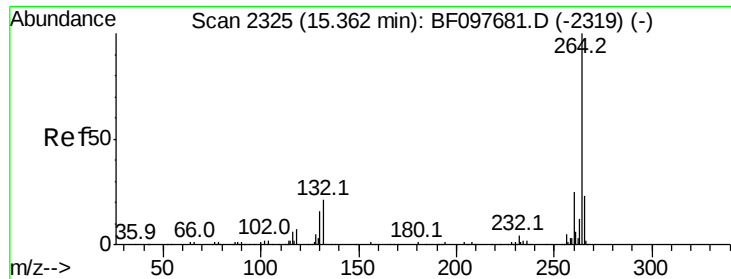
Delta R.T. -0.06 min

Lab File: BF098397.D

Acq: 9 Sep 2017 20:30

Tgt Ion:	276	Resp:	337788
Ion Ratio	Lower	Upper	
276	100		
138	4.7	27.8	41.6#
277	4.5	20.2	30.4#





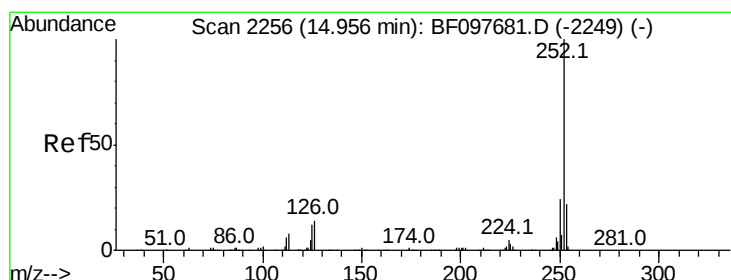
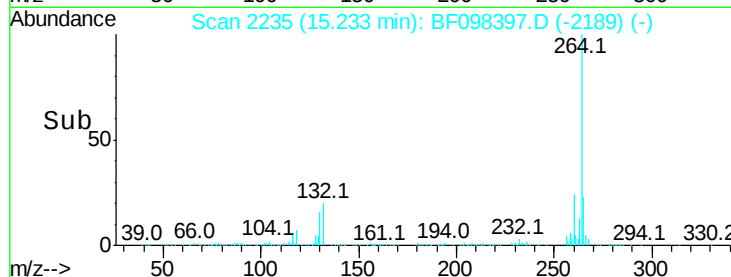
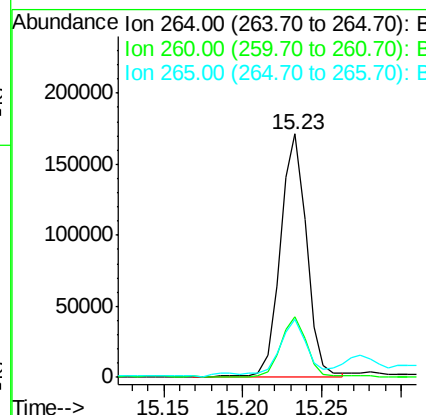
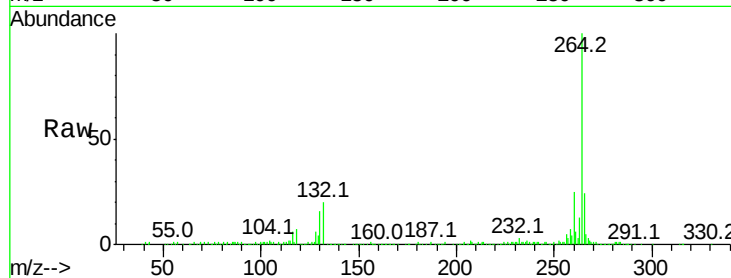
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.03 min
Lab File: BF098397.D
Acq: 9 Sep 2017 20:30

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	23.6	17.2	25.8

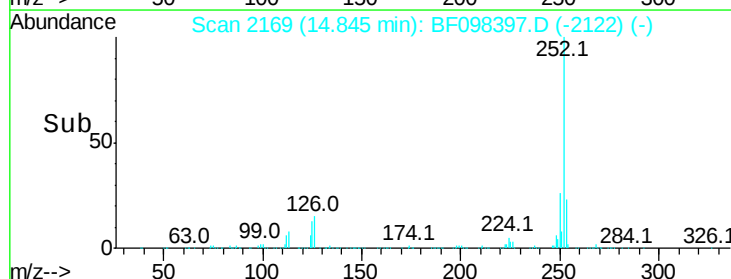
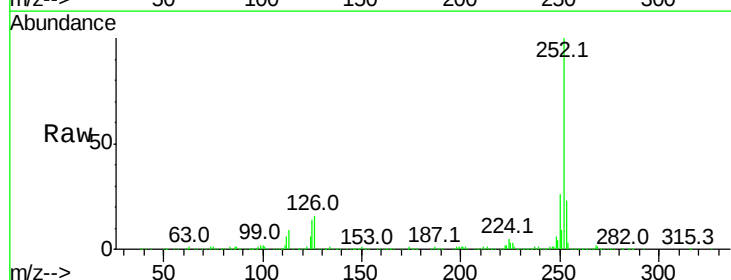
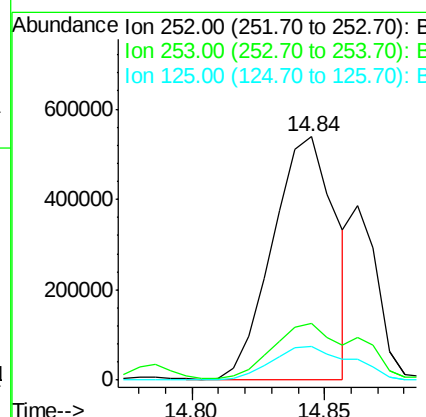
Manual Integrations
APPROVED

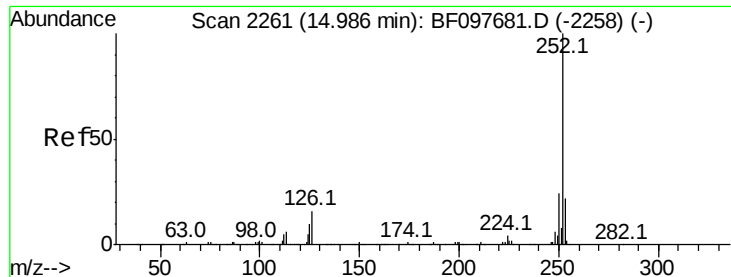
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#87
Benzo(b)fluoranthene
Concen: 72.119 ng m
RT: 14.84 min Scan# 2169
Delta R.T. -0.02 min
Lab File: BF098397.D
Acq: 9 Sep 2017 20:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	13.7	9.8	14.8





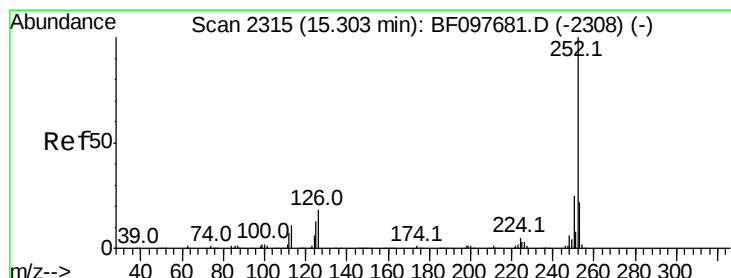
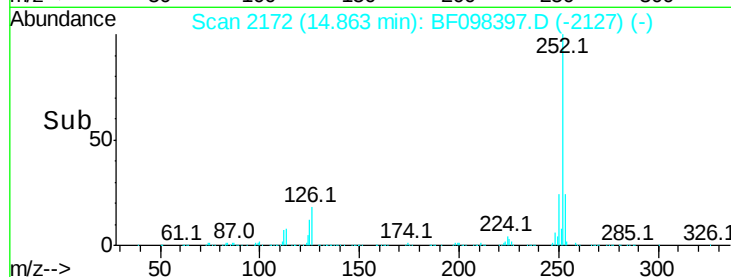
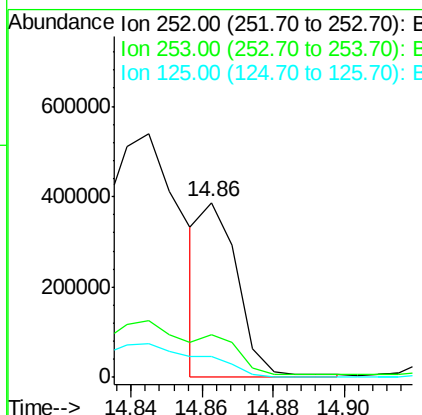
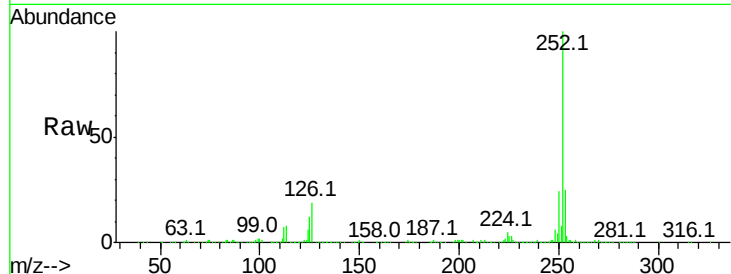
#88
Benzo(k)fluoranthene
Concen: 23.460 ng m
RT: 14.86 min Scan# 2172
Delta R.T. -0.04 min
Lab File: BF098397.D
Acq: 9 Sep 2017 20:30

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.4	27.6
125	12.3	13.1	19.7

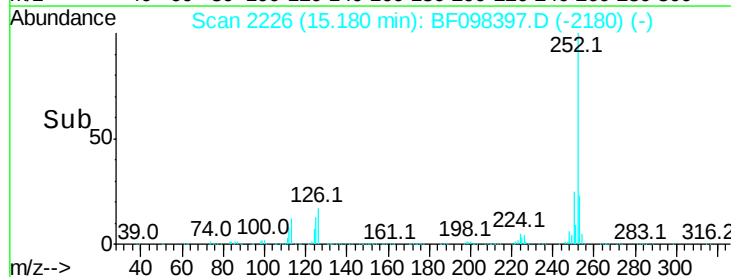
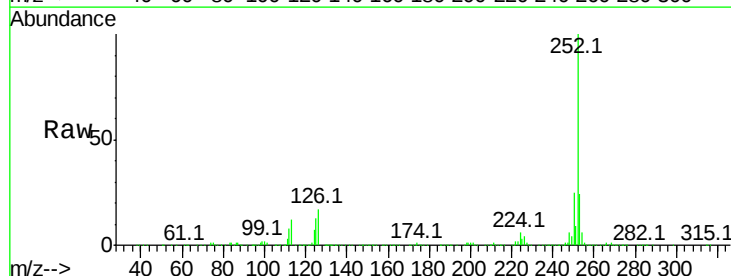
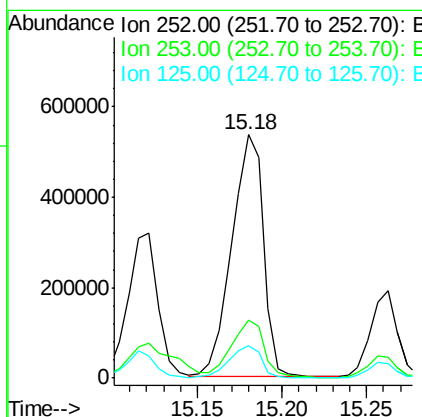
Manual Integrations
APPROVED

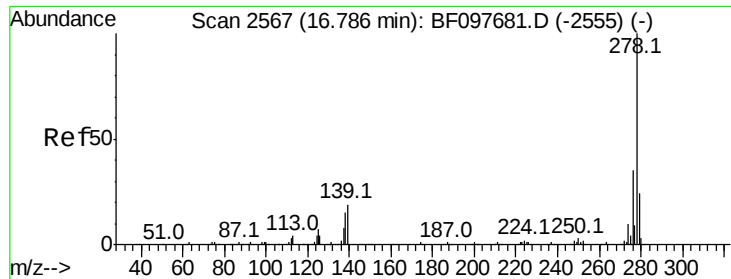
Sohil
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#89
Benzo(a)pyrene
Concen: 64.188 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.03 min
Lab File: BF098397.D
Acq: 9 Sep 2017 20:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	13.5	11.0	16.4





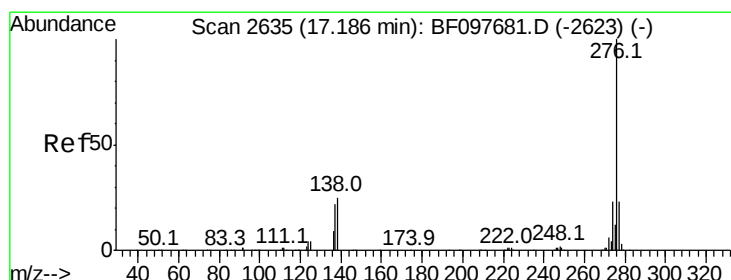
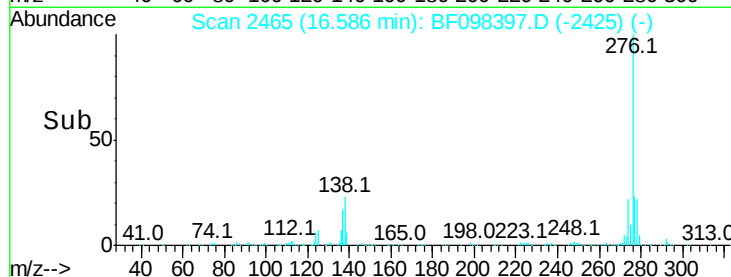
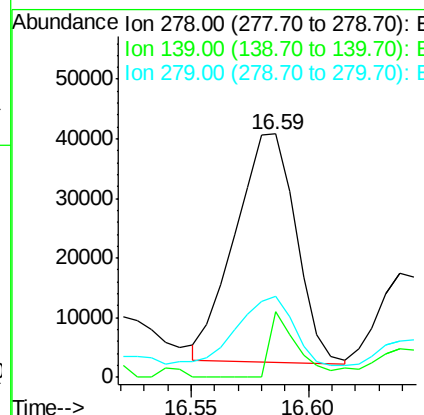
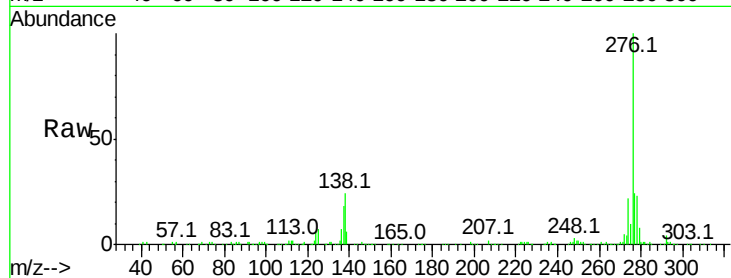
#90
Dibenzo(a,h)anthracene
Concen: 7.780 ng m
RT: 16.59 min Scan# 2465
Delta R.T. -0.06 min
Lab File: BF098397.D
Acq: 9 Sep 2017 20:30

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

Tot Ion:278 Resp: 69360
Ion Ratio Lower Upper
278 100
139 27.0 16.6 24.8#
279 33.1 19.3 28.9#

Manual Integrations
APPROVED

Sohil
9/11/2017 2:42:52 PM



#91
Benzo(g,h,i)perylene
Concen: 33.371 ng
RT: 16.99 min Scan# 2533
Delta R.T. -0.06 min
Lab File: BF098397.D
Acq: 9 Sep 2017 20:30

Tgt Ion:276 Resp: 310423
Ion Ratio Lower Upper
276 100
277 24.2 18.6 28.0
138 26.8 25.4 38.0

