

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF090917\
 Data File : BF098396.D
 Acq On : 9 Sep 2017 20:02
 Operator : SJ/JU
 Sample : I5151-02 50X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI2-2

Manual Integrations
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Sohil
 9/11/2017 2:42:50 PM

Quant Time: Sep 11 12:07:34 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	101094	20.00	ng	-0.03
21) Naphthalene-d8	7.96	136	379026	20.00	ng	-0.02
38) Acenaphthene-d10	9.71	164	165336	20.00	ng	-0.03
63) Phenanthrene-d10	11.19	188	274684	20.00	ng	-0.03
75) Chrysene-d12	13.83	240	210726	20.00	ng	-0.04
86) Perylene-d12	15.23	264	201823	20.00	ng	-0.04

System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	17576	2.64	ng	-0.02
7) Phenol-d6	6.33	99	26135	2.89	ng	-0.02
23) Nitrobenzene-d5	7.24	82	14171	2.03	ng	-0.04
41) 2,4,6-Tribromophenol	10.50	330	2990	2.08	ng	-0.04
44) 2-Fluorobiphenyl	9.03	172	25427	2.26	ng	-0.04
78) Terphenyl-d14	12.77	244	17332	1.72	ng	-0.04

Target Compounds					Qvalue
31) Naphthalene	7.99	128	2785994	141.585	ng 98
37) 2-Methylnaphthalene	8.67	142	606221	50.251	ng 99
45) 1,1'-Biphenyl	9.13	154	196994	13.066	ng 97
48) Acenaphthylene	9.57	152	156542	8.948	ng 97
51) Acenaphthene	9.75	154	619713	56.168	ng 99
54) Dibenzofuran	9.92	168	591455	39.998	ng 97
57) Fluorene	10.26	166	503751	44.063	ng 97
70) Phenanthrene	11.23	178	1776154	121.346	ng 99
71) Anthracene	11.27	178	585993	39.472	ng 99
72) Carbazole	11.42	167	210106	14.910	ng 99
74) Fluoranthene	12.41	202	1261520	82.572	ng 99
77) Pyrene	12.63	202	1109994	64.404	ng 98
80) Benzo(a)anthracene	13.82	228	472121m	37.382	ng
82) Chrysene	13.85	228	379372m	30.196	ng
85) Indeno(1,2,3-cd)pyrene	16.57	276	171766m	18.585	ng
87) Benzo(b)fluoranthene	14.83	252	507607m	39.901	ng
88) Benzo(k)fluoranthene	14.86	252	128170m	10.724	ng
89) Benzo(a)pyrene	15.17	252	381881	33.909	ng 97
90) Dibenzo(a,h)anthracene	16.57	278	36038m	3.931	ng
91) Benzo(a,h,i)perylene	16.97	276	157008	16.412	ng 94

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

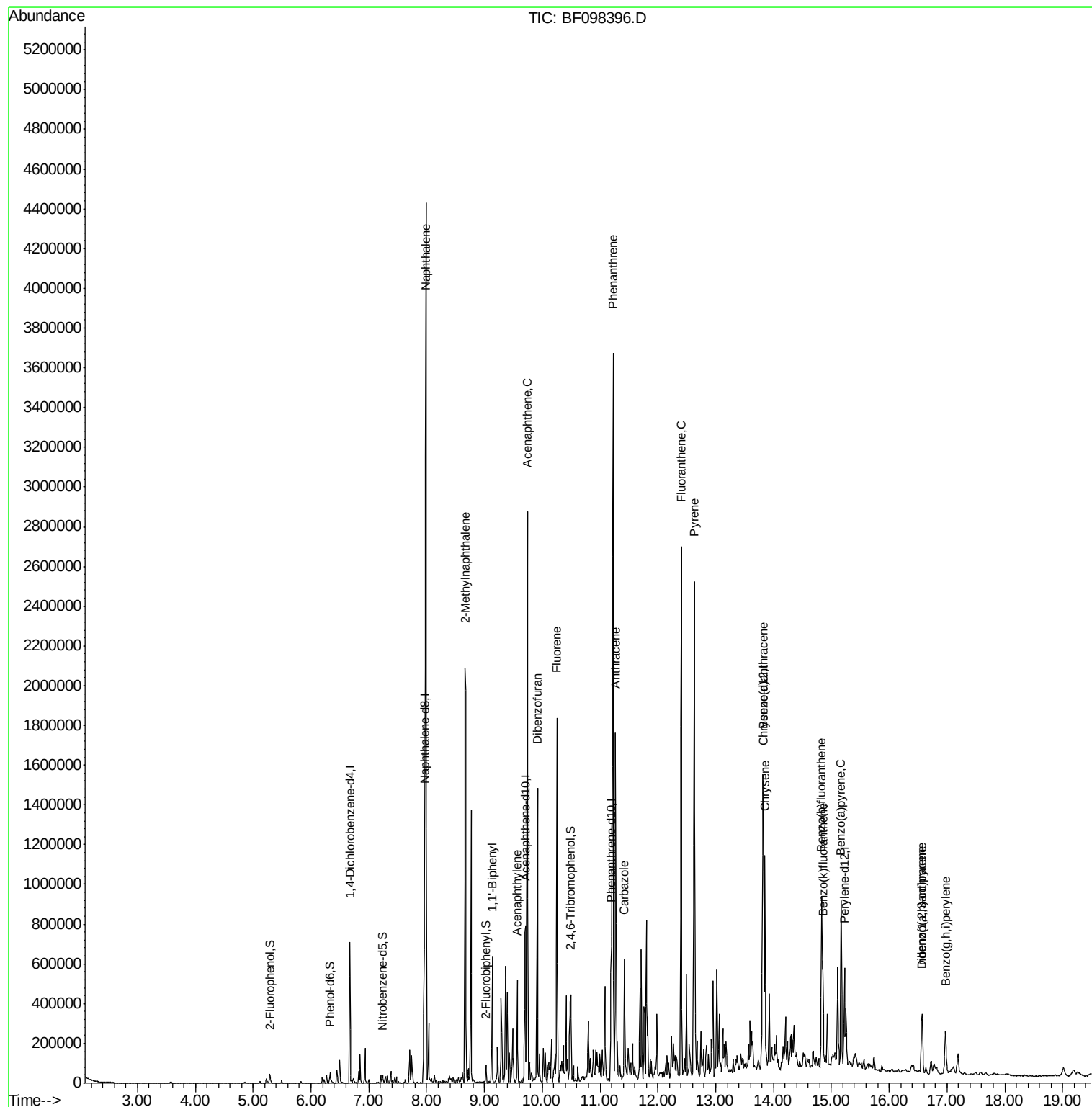
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF090917\
Data File : BF098396.D
Acq On : 9 Sep 2017 20:02
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Misc :
ALS Vial : 21 Sample Multiplier: 1

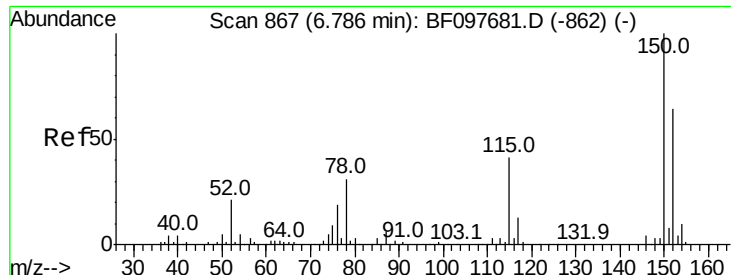
Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-2

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Quant Time: Sep 11 12:07:34 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

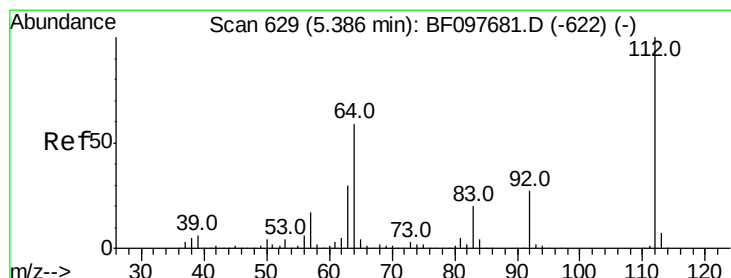
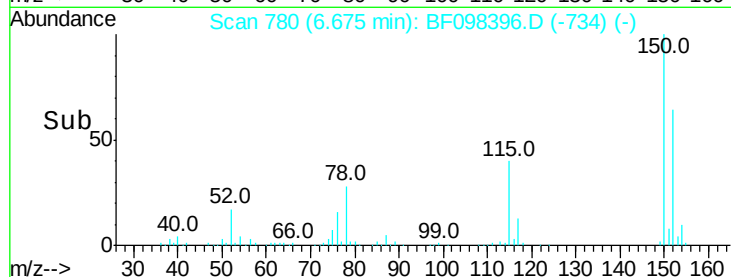
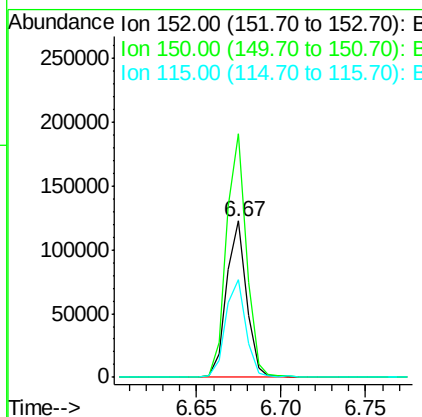
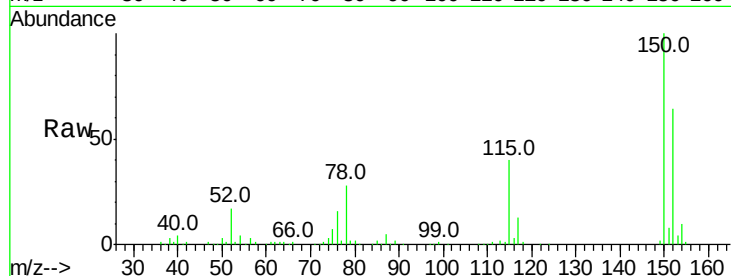
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 780
Delta R.T. -0.03 min
Lab File: BF098396.D
Acq: 9 Sep 2017 20:02

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	126.2	189.2
115	62.4	52.2	78.2

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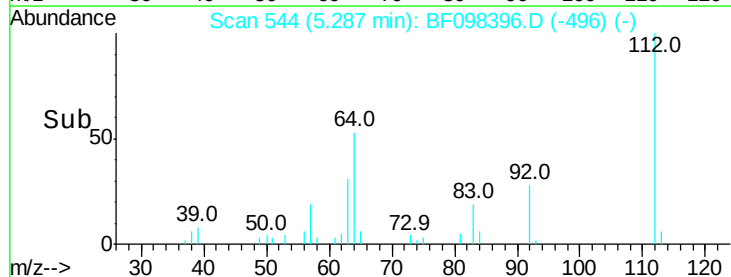
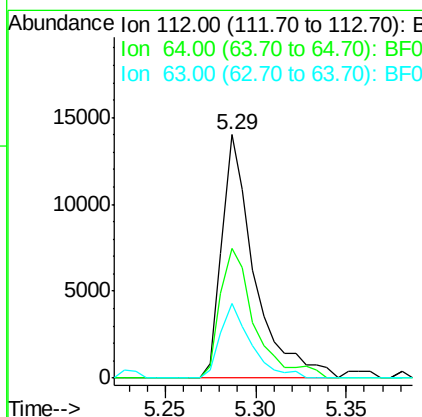
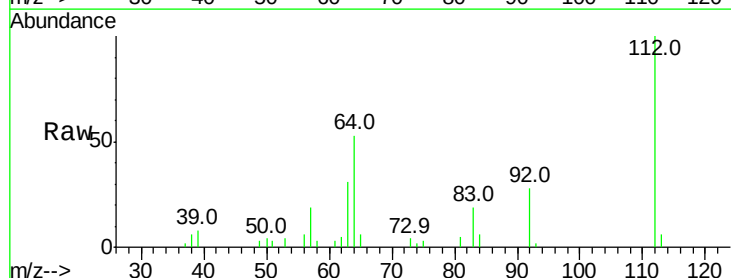
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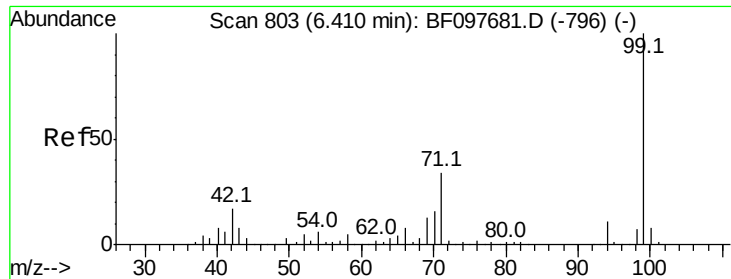


#5

2-Fluorophenol
Concen: 2.645 ng
RT: 5.29 min Scan# 544
Delta R.T. -0.02 min
Lab File: BF098396.D
Acq: 9 Sep 2017 20:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.1	46.0	69.0
63	30.5	23.4	35.0





#7

Phenol-d6

Concen: 2.894 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.02 min

Lab File: BF098396.D

Acq: 9 Sep 2017 20:02

Instrument :

BNA_F

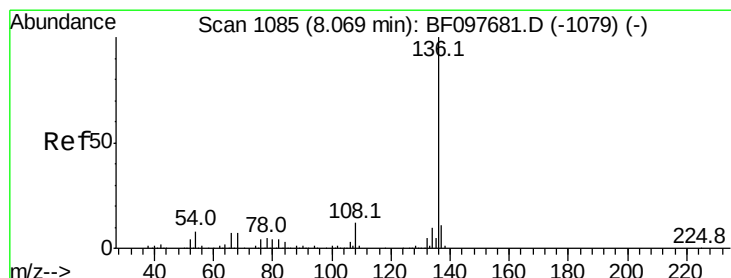
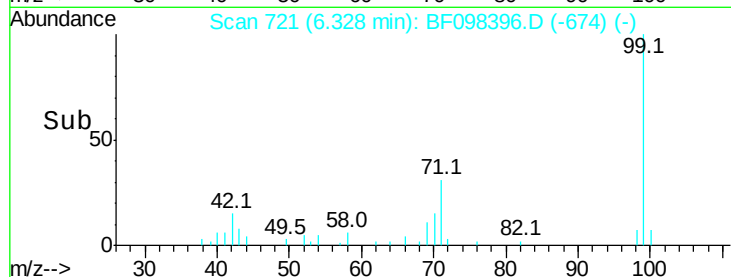
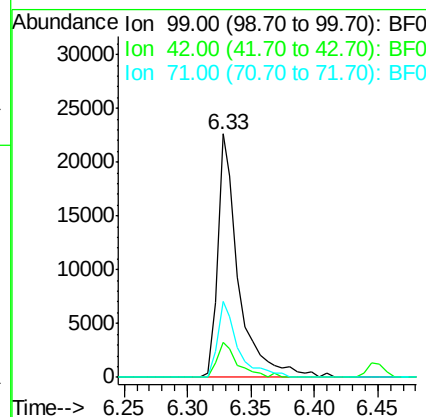
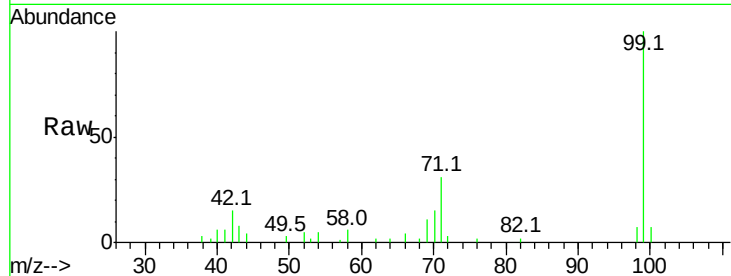
ClientSampleId :

NYSEG-PH4-ESMI2-2

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		26135		
42	14.6	13.5	20.3		
71	31.2	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

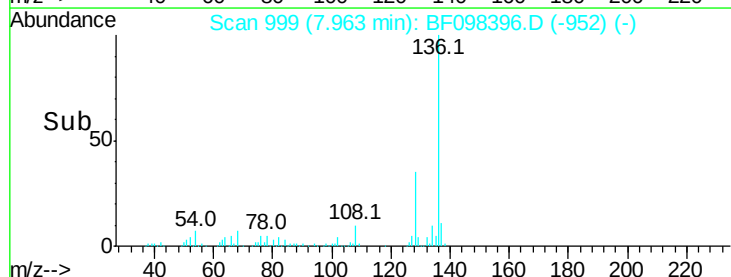
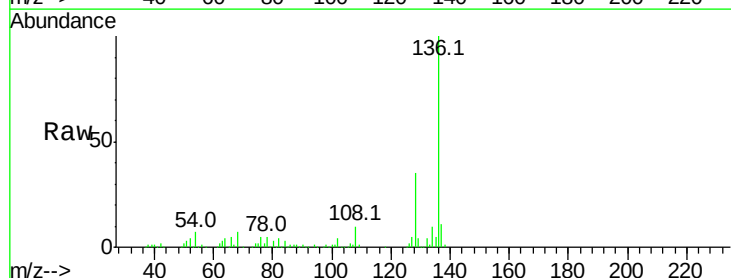
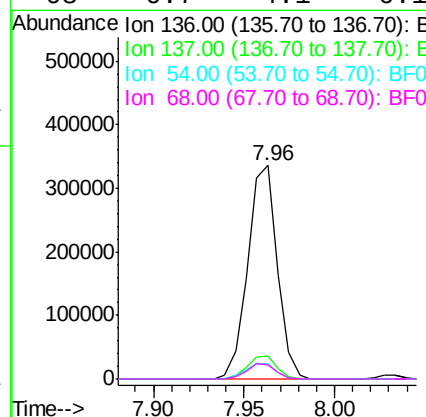
RT: 7.96 min Scan# 999

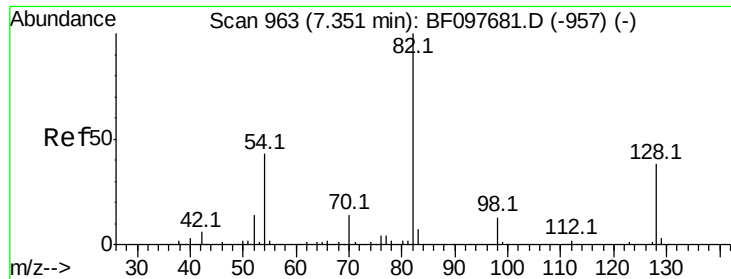
Delta R.T. -0.02 min

Lab File: BF098396.D

Acq: 9 Sep 2017 20:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		379026		
137	11.0	8.5	12.7		
54	7.1	4.9	7.3		
68	6.7	4.1	6.1#		





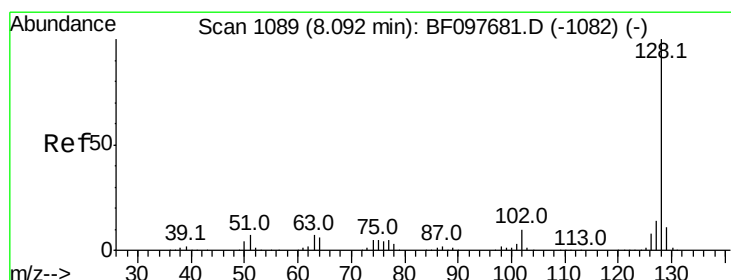
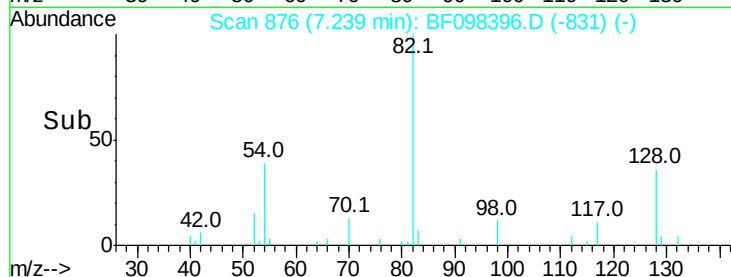
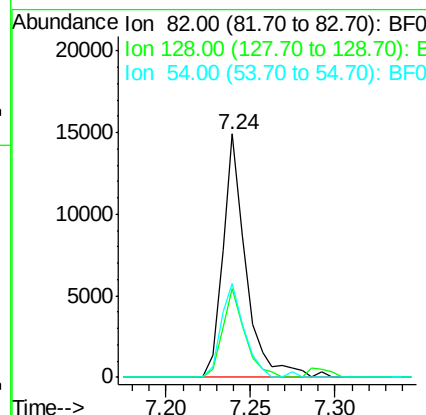
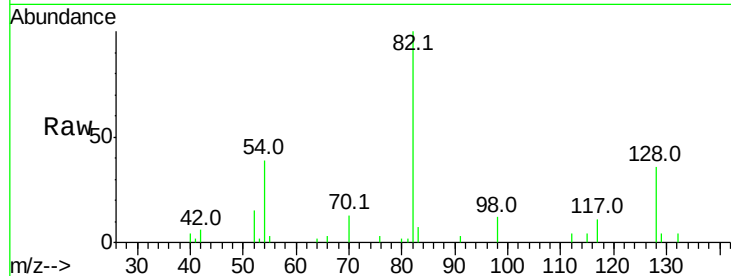
#23
 Nitrobenzene-d5
 Concen: 2.031 ng
 RT: 7.24 min Scan# 876
 Delta R.T. -0.04 min
 Lab File: BF098396.D
 Acq: 9 Sep 2017 20:02

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI2-2

Tot Ion	Ratio	Lower	Upper
82	100		
128	36.3	34.0	51.0
54	38.6	42.2	63.2

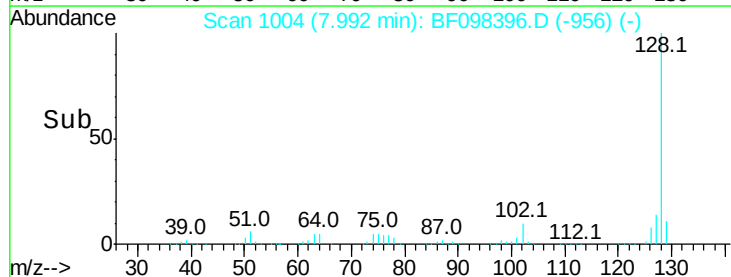
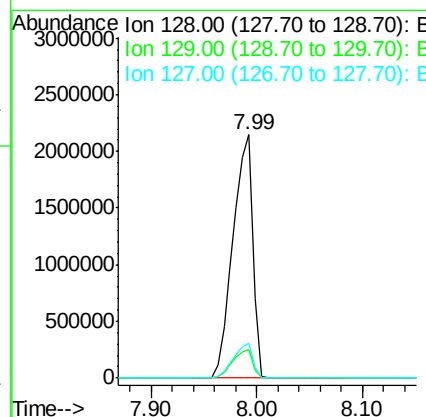
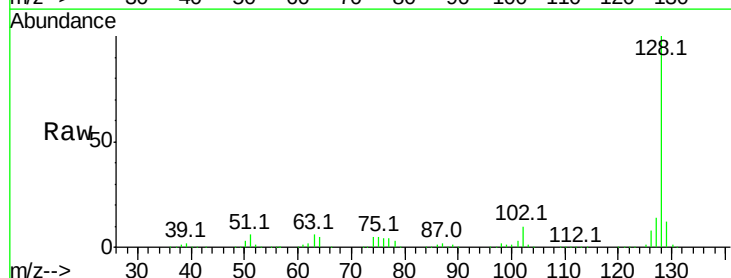
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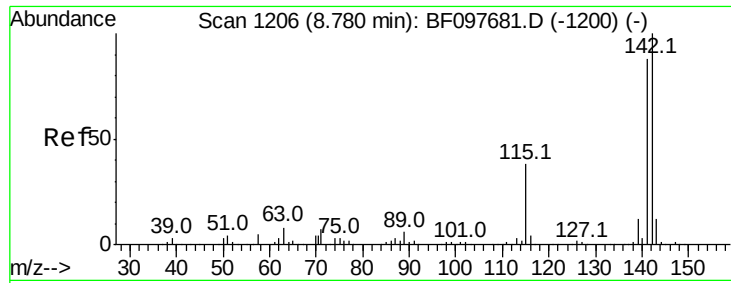
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#31
 Naphthalene
 Concen: 141.585 ng
 RT: 7.99 min Scan# 1004
 Delta R.T. -0.02 min
 Lab File: BF098396.D
 Acq: 9 Sep 2017 20:02

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.0	13.6
127	14.4	10.8	16.2





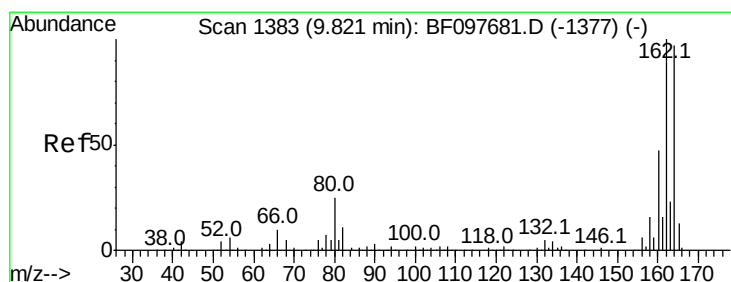
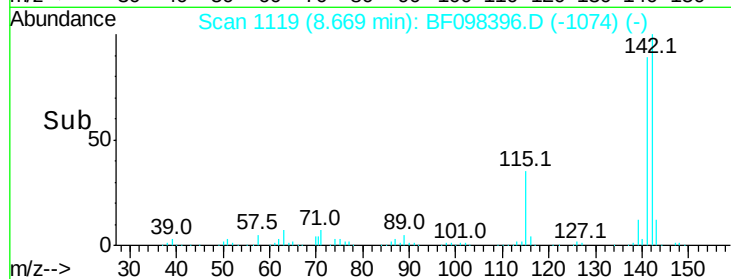
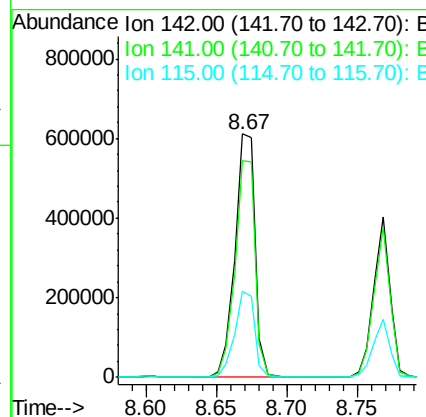
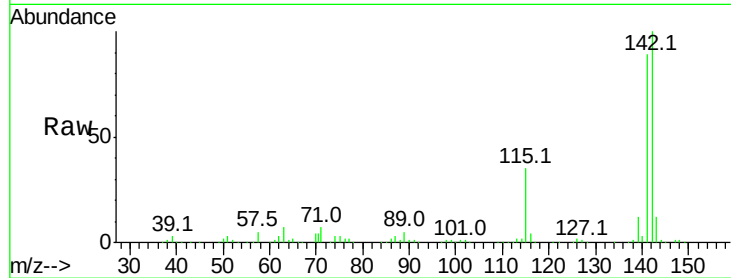
#37
 2-Methylnaphthalene
 Concen: 50.251 ng
 RT: 8.67 min Scan# 1119
 Delta R.T. -0.04 min
 Lab File: BF098396.D
 Acq: 9 Sep 2017 20:02

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI2-2

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.3	106.9
115	35.4	27.1	40.7

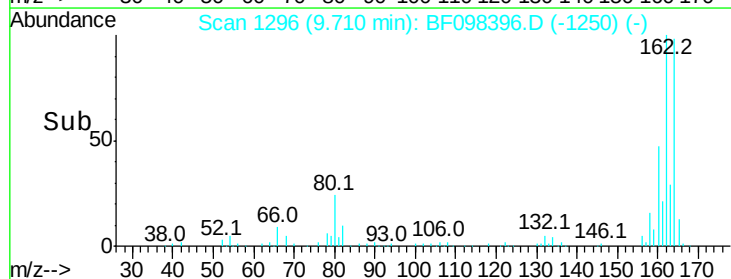
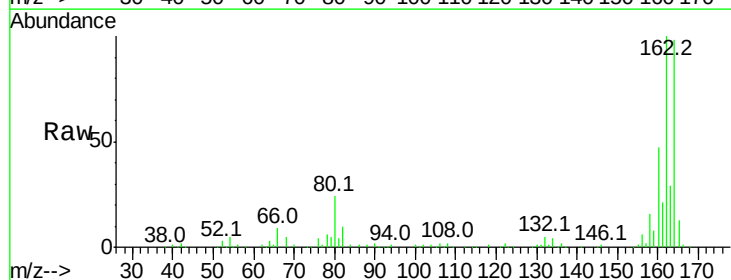
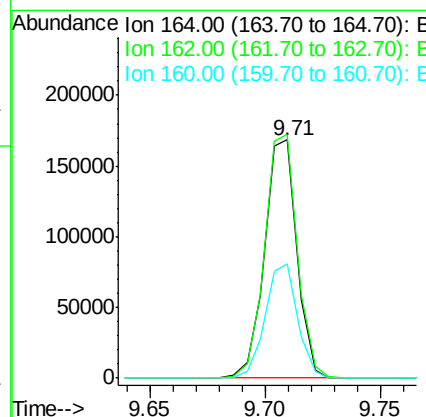
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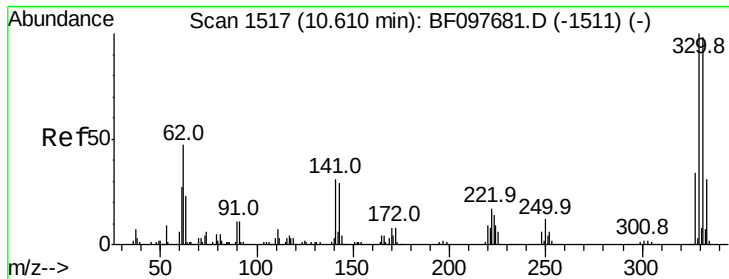
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.71 min Scan# 1296
 Delta R.T. -0.03 min
 Lab File: BF098396.D
 Acq: 9 Sep 2017 20:02

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.2	82.6	123.8
160	47.7	36.2	54.2





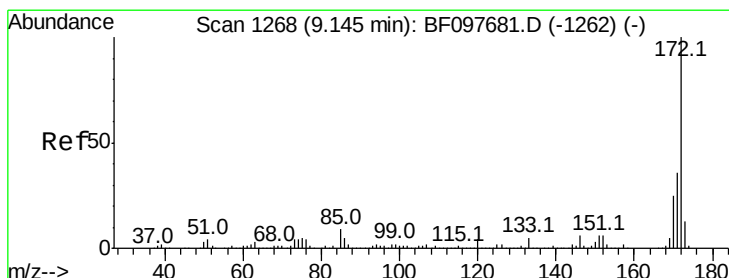
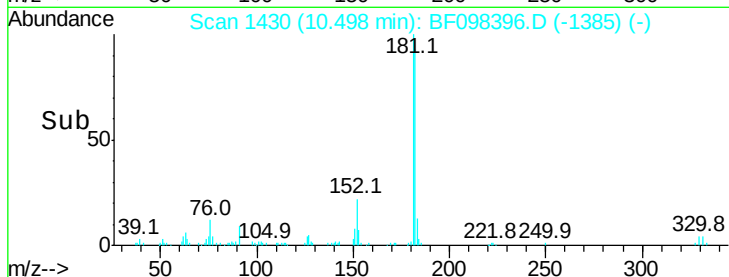
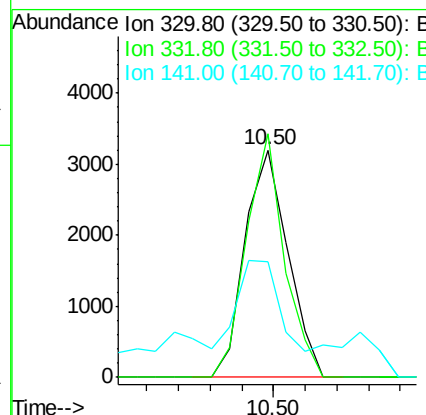
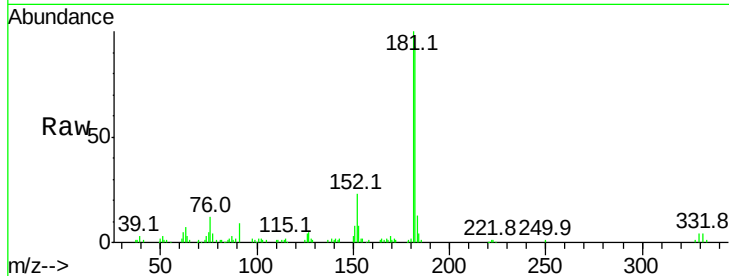
#41
 2,4,6-Tribromophenol
 Concen: 2.084 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.04 min
 Lab File: BF098396.D
 Acq: 9 Sep 2017 20:02

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI2-2

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.9	76.6	115.0
141	61.9	31.4	47.2

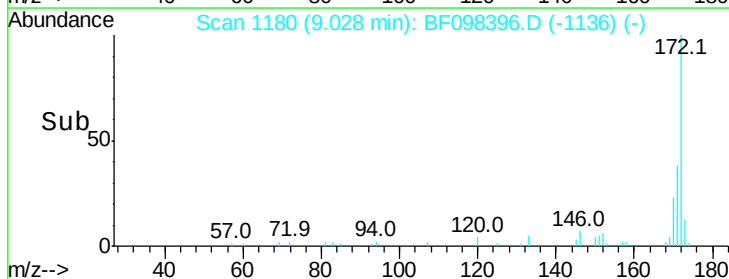
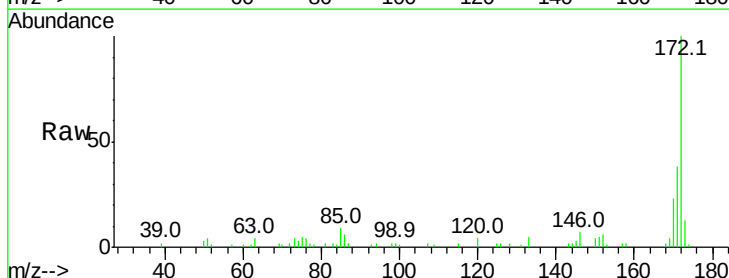
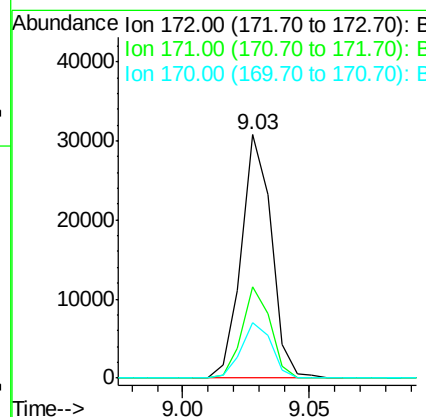
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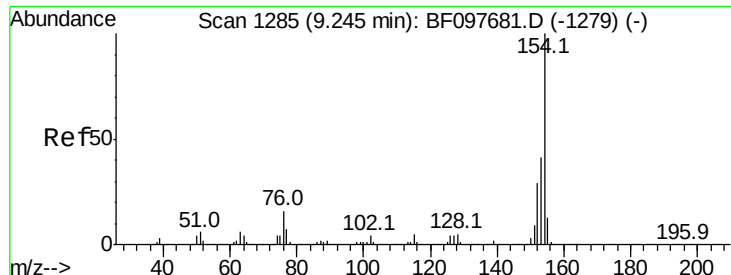
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#44
 2-Fluorobiphenyl
 Concen: 2.259 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.04 min
 Lab File: BF098396.D
 Acq: 9 Sep 2017 20:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.5	29.6	44.4
170	22.8	19.8	29.8





#45

1,1'-Biphenyl

Concen: 13.066 ng

RT: 9.13 min Scan# 1198

Delta R.T. -0.04 min

Lab File: BF098396.D

Acq: 9 Sep 2017 20:02

Instrument :

BNA_F

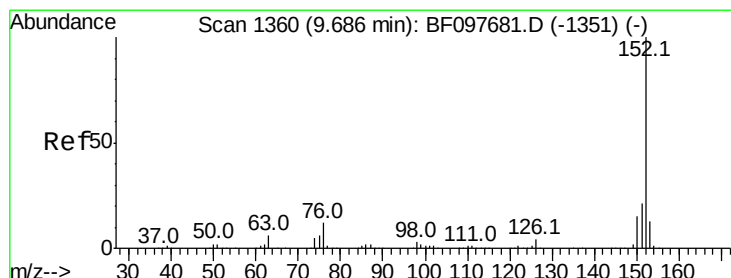
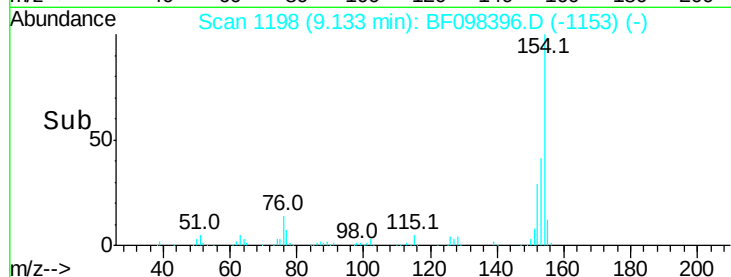
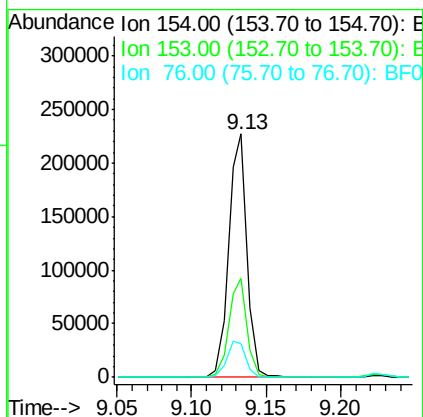
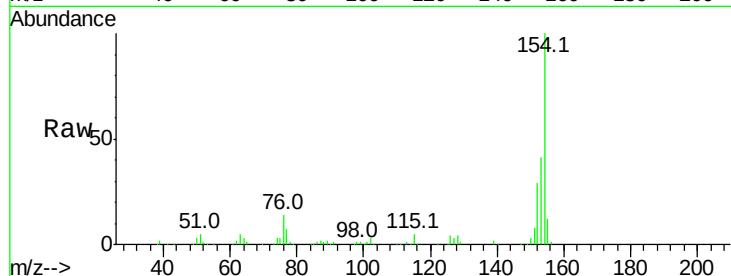
ClientSampleId :

NYSEG-PH4-ESMI2-2

Tot Ion:	154	Resp:	196994
Ion Ratio	Lower	Upper	
154	100		
153	40.5	21.2	61.2
76	13.8	0.0	29.9

Manual Integrations
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#48

Acenaphthylene

Concen: 8.948 ng

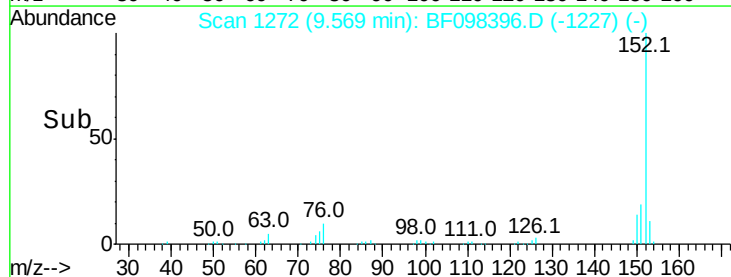
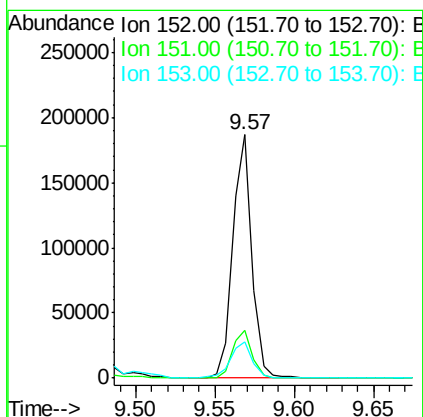
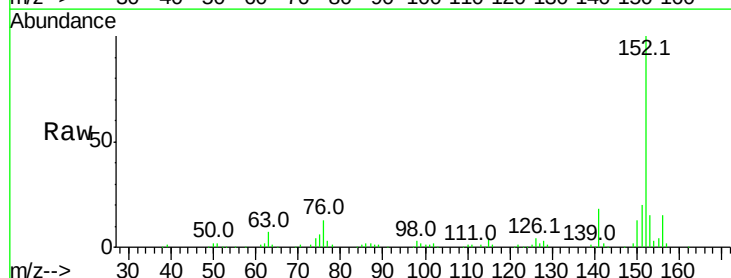
RT: 9.57 min Scan# 1272

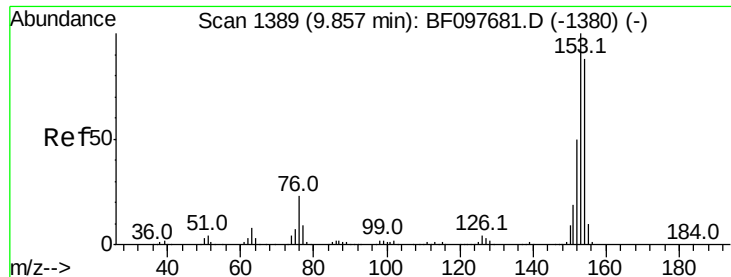
Delta R.T. -0.04 min

Lab File: BF098396.D

Acq: 9 Sep 2017 20:02

Tgt Ion:	152	Resp:	156542
Ion Ratio	Lower	Upper	
152	100		
151	19.9	16.8	25.2
153	14.9	10.8	16.2





#51

Acenaphthene

Concen: 56.168 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.03 min

Lab File: BF098396.D

Acq: 9 Sep 2017 20:02

Instrument :

BNA_F

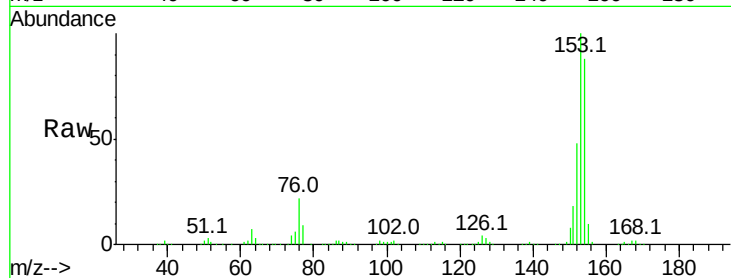
ClientSampleId :

NYSEG-PH4-ESMI2-2

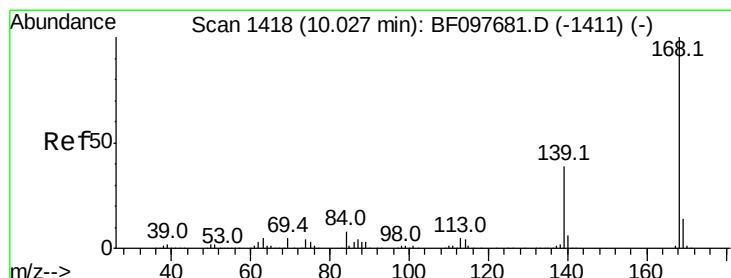
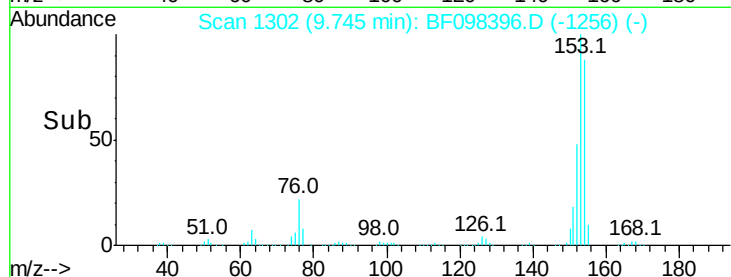
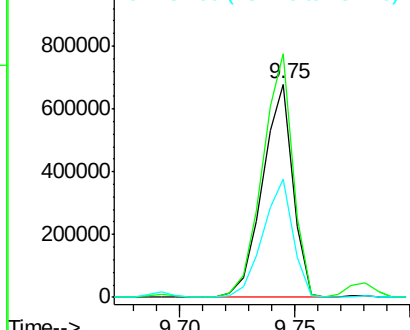
Tot Ion:	154	Resp:	619713
Ion Ratio	Lower	Upper	
154	100		
153	114.0	90.5	135.7
152	55.1	43.6	65.4

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: 39.998 ng

RT: 9.92 min Scan# 1331

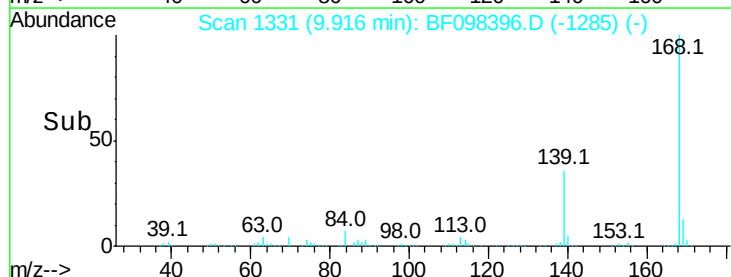
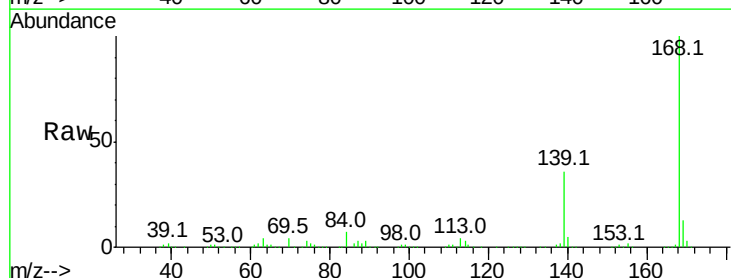
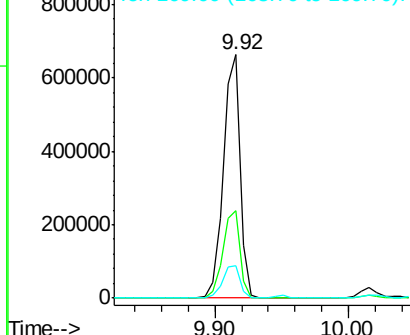
Delta R.T. -0.03 min

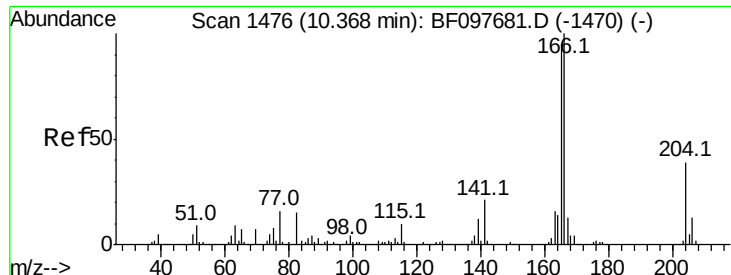
Lab File: BF098396.D

Acq: 9 Sep 2017 20:02

Tgt Ion:	168	Resp:	591455
Ion Ratio	Lower	Upper	
168	100		
139	35.9	30.6	45.8
169	13.4	10.8	16.2

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





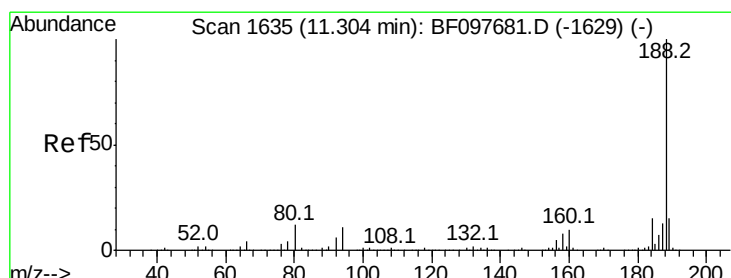
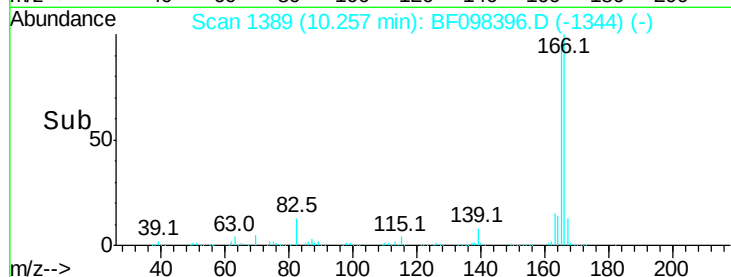
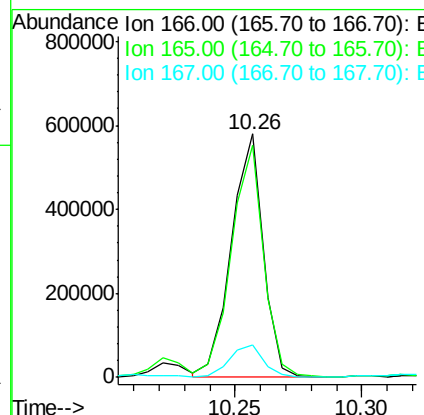
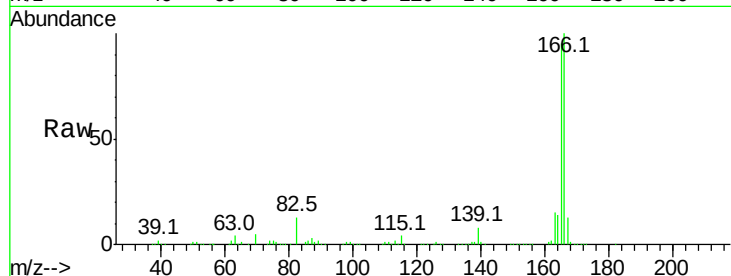
#57
Fluorene
 Concen: 44.063 ng
 RT: 10.26 min Scan# 1389
 Delta R.T. -0.04 min
 Lab File: BF098396.D
 Acq: 9 Sep 2017 20:02

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI2-2

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	95.1	78.8	118.2	
167	13.5	10.6	16.0	

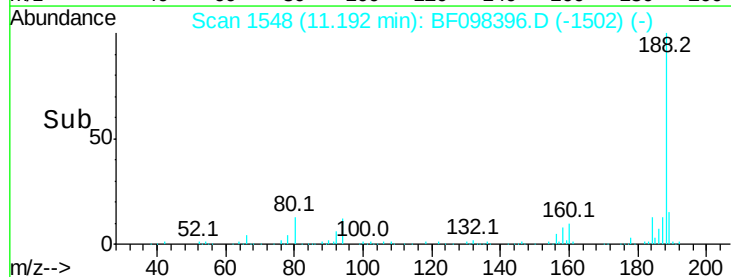
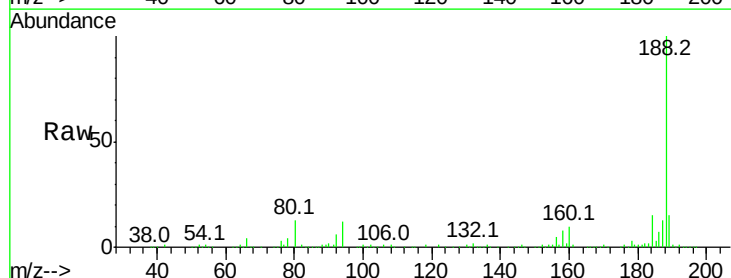
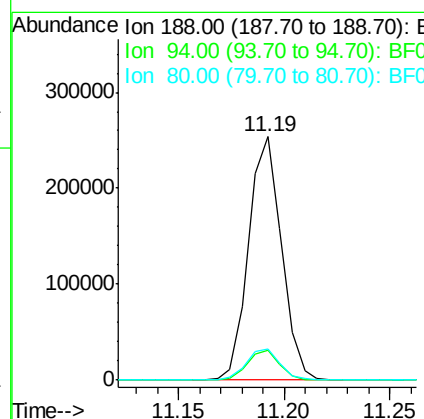
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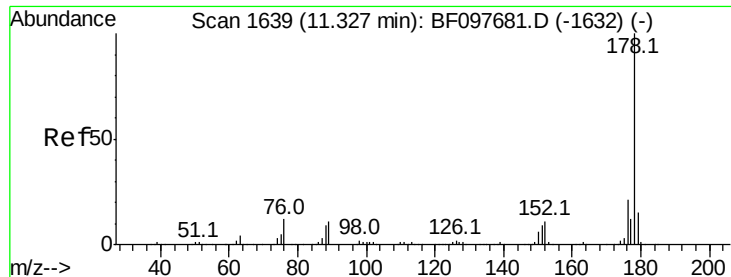
Sohil
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.19 min Scan# 1548
 Delta R.T. -0.03 min
 Lab File: BF098396.D
 Acq: 9 Sep 2017 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	12.1	9.4	14.2	
80	12.9	10.2	15.2	





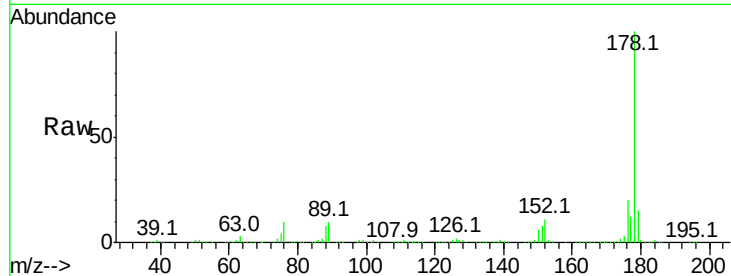
#70
Phenanthrene
Concen: 121.346 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.02 min
Lab File: BF098396.D
Acq: 9 Sep 2017 20:02

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-2

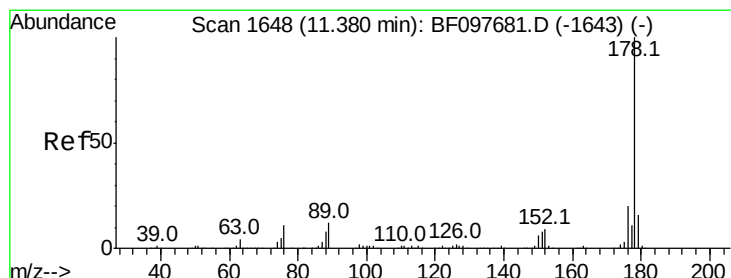
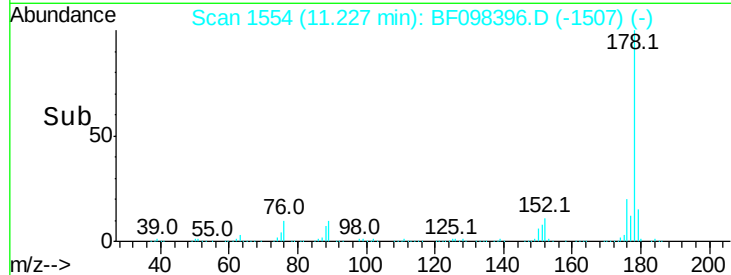
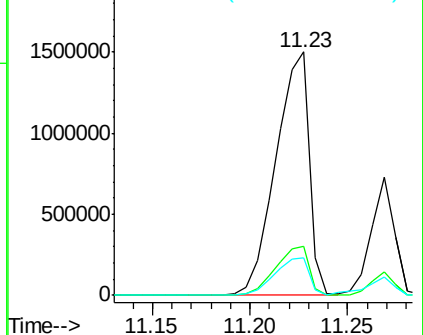
Tot Ion	Ratio	Lower	Upper
178	100		
176	20.2	16.2	24.4
179	15.5	12.6	19.0

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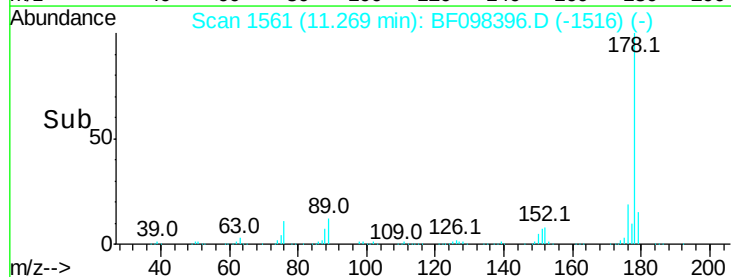
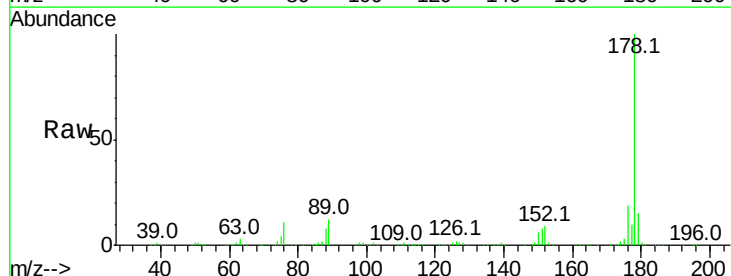
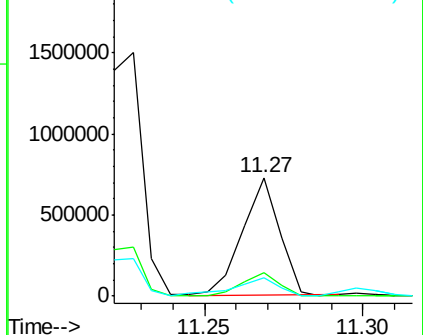
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

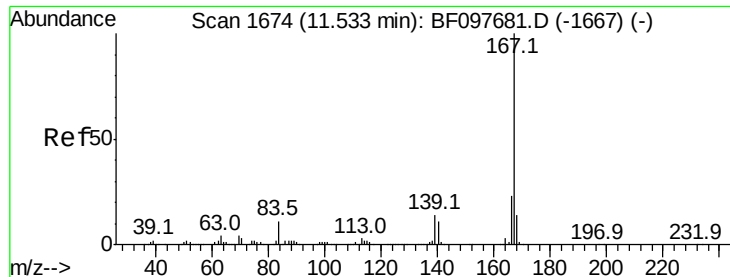


#71
Anthracene
Concen: 39.472 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.04 min
Lab File: BF098396.D
Acq: 9 Sep 2017 20:02

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.4	12.7	19.1

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





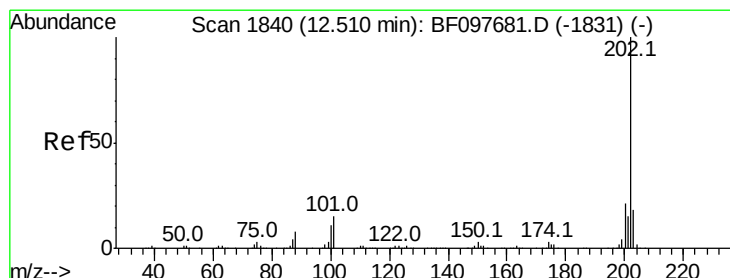
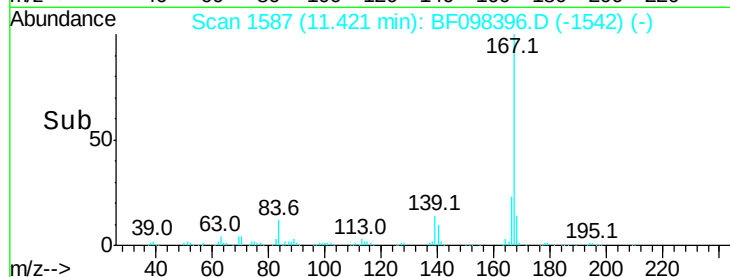
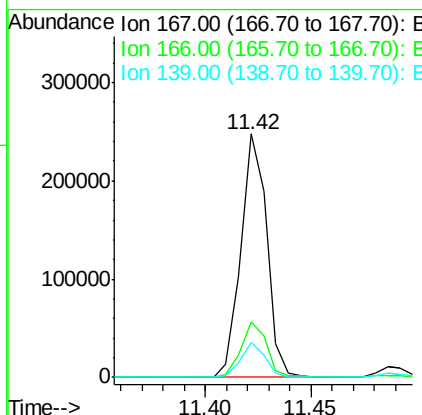
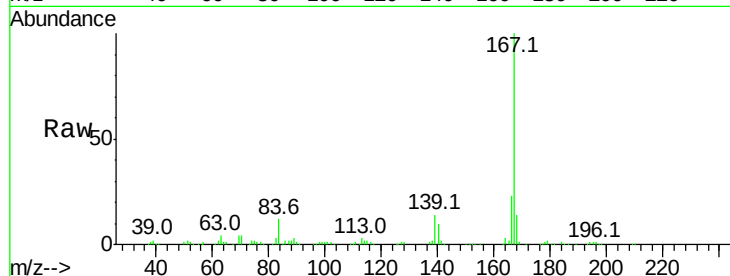
#72
 Carbazole
 Concen: 14.910 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.04 min
 Lab File: BF098396.D
 Acq: 9 Sep 2017 20:02

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI2-2

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.8	18.1	27.1
139	14.3	11.7	17.5

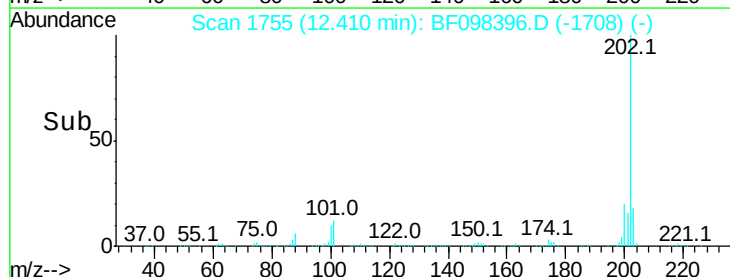
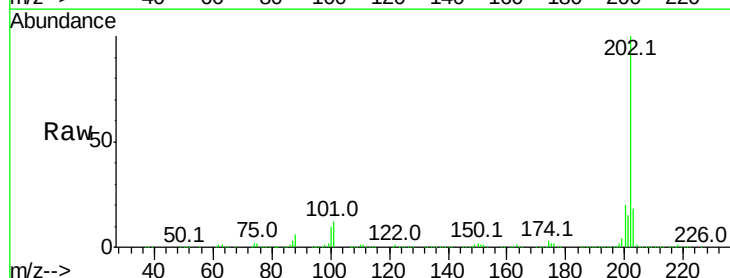
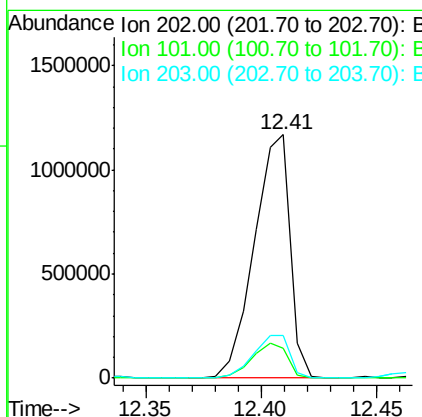
Manual Integrations
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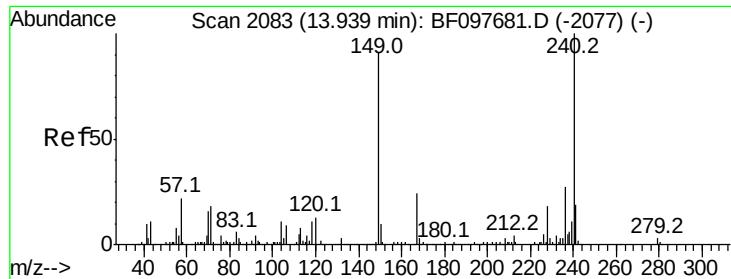
Sohil
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#74
 Fluoranthene
 Concen: 82.572 ng
 RT: 12.41 min Scan# 1755
 Delta R.T. -0.02 min
 Lab File: BF098396.D
 Acq: 9 Sep 2017 20:02

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	33.2
203	17.7	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: BF098396.D

Acq: 9 Sep 2017 20:02

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI2-2

Tot Ion:240 Resp: 210726

Ion Ratio Lower Upper

240 100

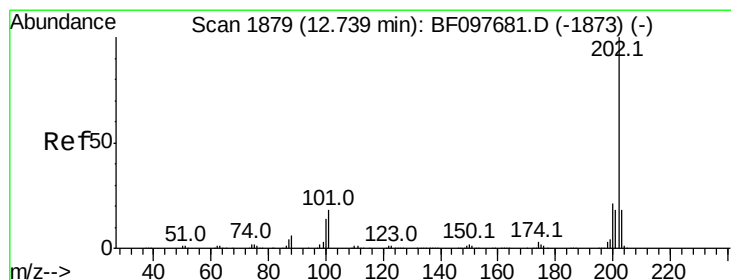
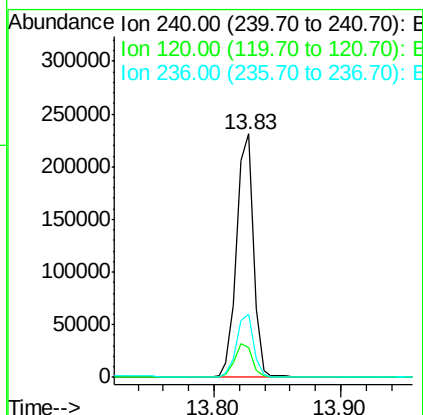
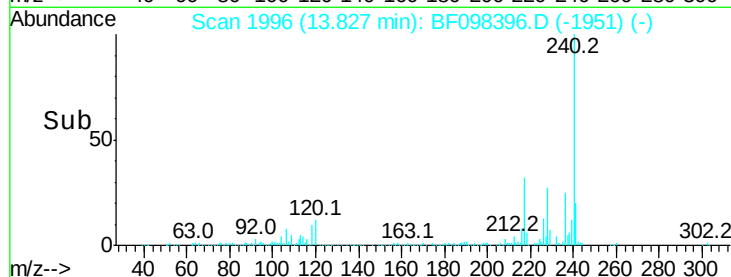
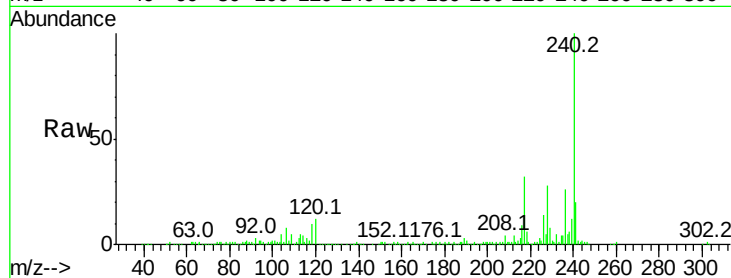
120 12.1 5.8 8.8#

236 25.9 20.5 30.7

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#77

Pyrene

Concen: 64.404 ng

RT: 12.63 min Scan# 1793

Delta R.T. -0.03 min

Lab File: BF098396.D

Acq: 9 Sep 2017 20:02

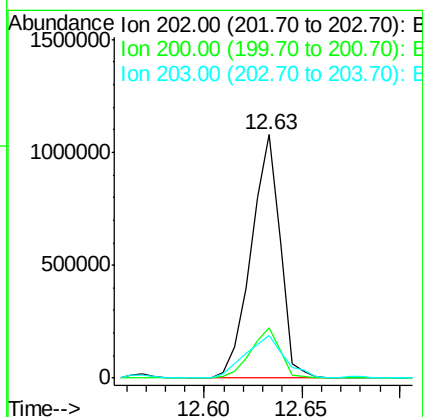
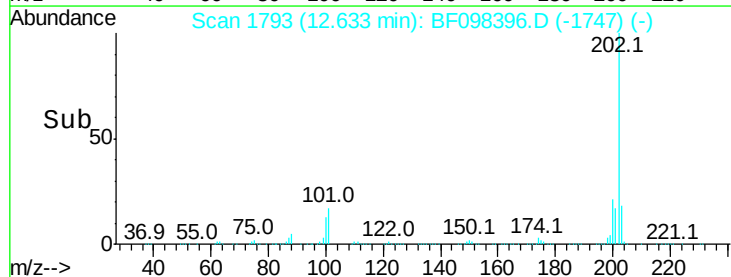
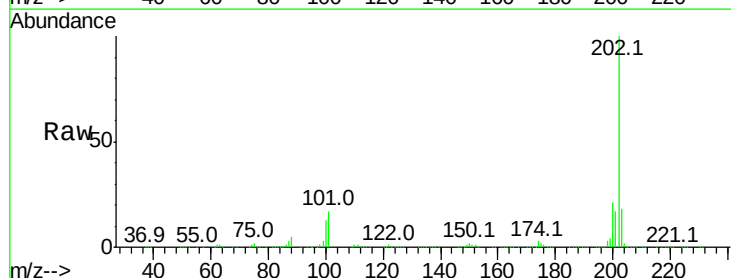
Tgt Ion:202 Resp: 1109994

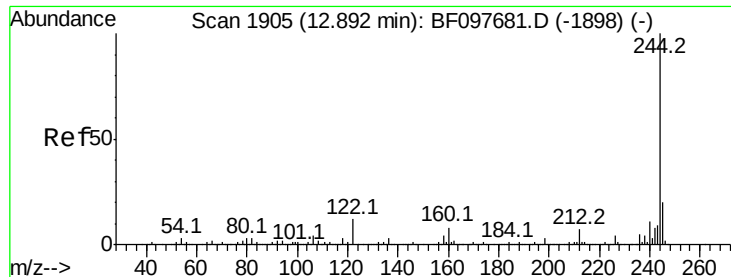
Ion Ratio Lower Upper

202 100

200 20.8 17.6 26.4

203 17.7 14.4 21.6





#78

Terphenyl-d14

Concen: 1.715 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.04 min

Lab File: BF098396.D

Acq: 9 Sep 2017 20:02

Instrument :

BNA_F

ClientSampleId :

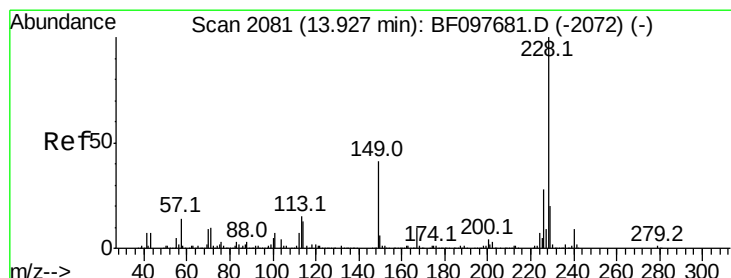
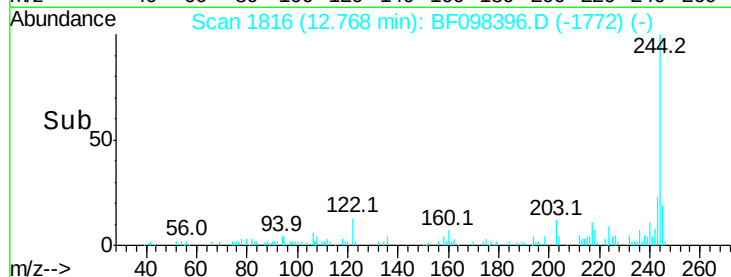
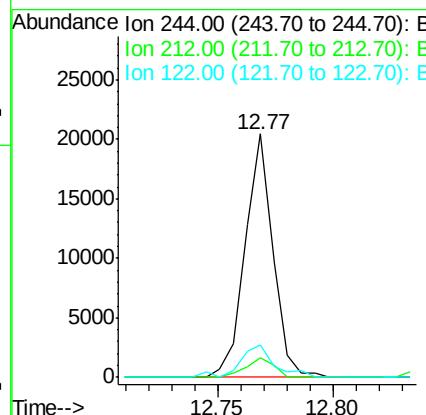
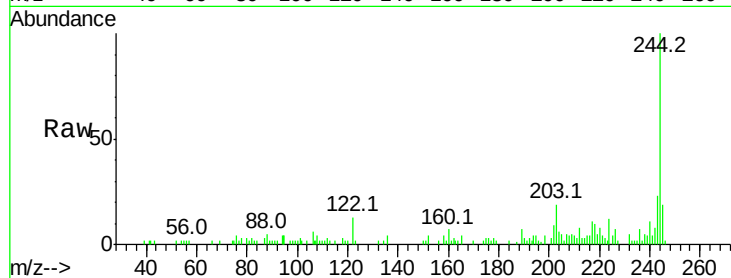
NYSEG-PH4-ESMI2-2

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.0	9.0
122	13.3	10.3	15.5

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#80

Benzo(a)anthracene

Concen: 37.382 ng m

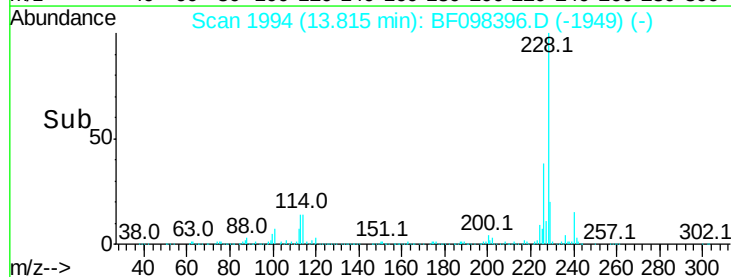
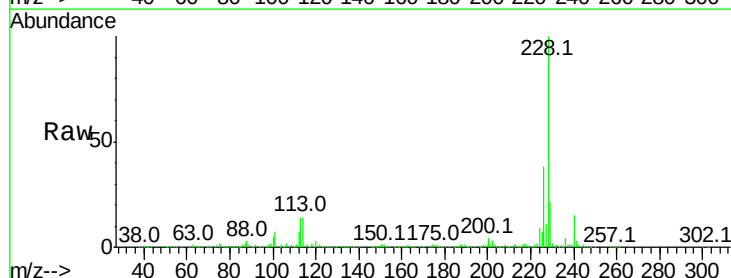
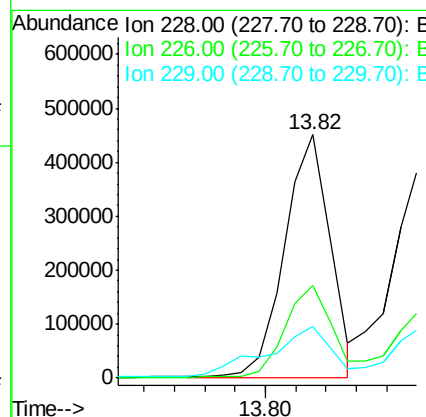
RT: 13.82 min Scan# 1994

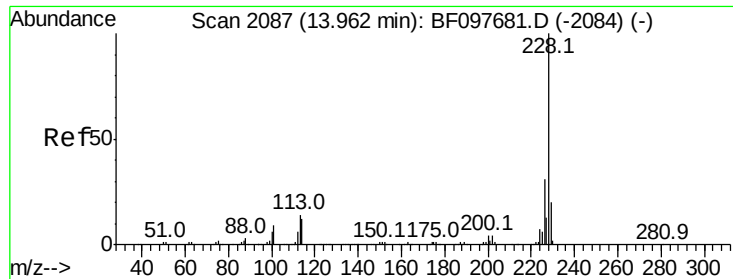
Delta R.T. -0.04 min

Lab File: BF098396.D

Acq: 9 Sep 2017 20:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	38.3	22.6	33.8#
229	21.2	16.3	24.5





#82

Chrysene

Concen: 30.196 ng m

RT: 13.85 min Scan# 2000

Delta R.T. -0.04 min

Lab File: BF098396.D

Acq: 9 Sep 2017 20:02

Instrument :

BNA_F

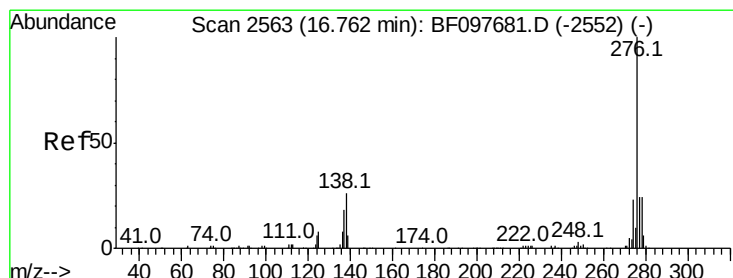
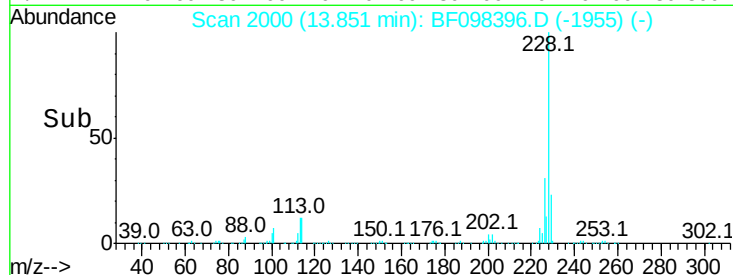
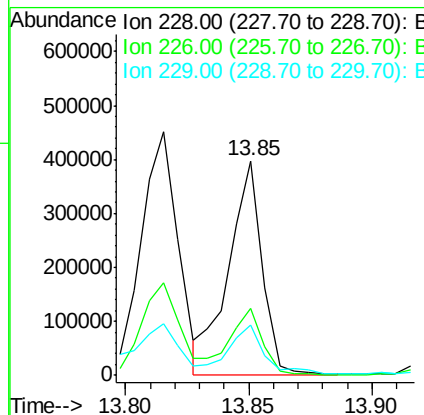
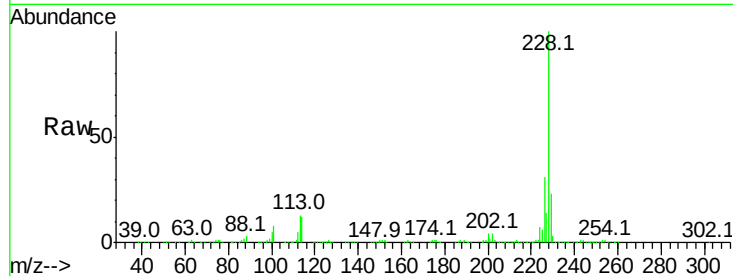
ClientSampleId :

NYSEG-PH4-ESMI2-2

Tot Ion:	228	Resp:	379372
Ion Ratio	Lower	Upper	
228	100		
226	31.5	24.9	37.3
229	23.4	15.8	23.6

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#85

Indeno(1,2,3-cd)pyrene

Concen: 18.585 ng m

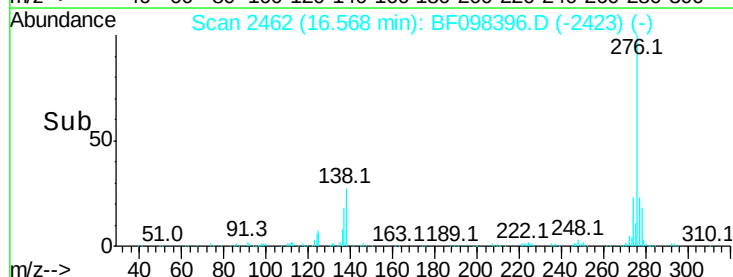
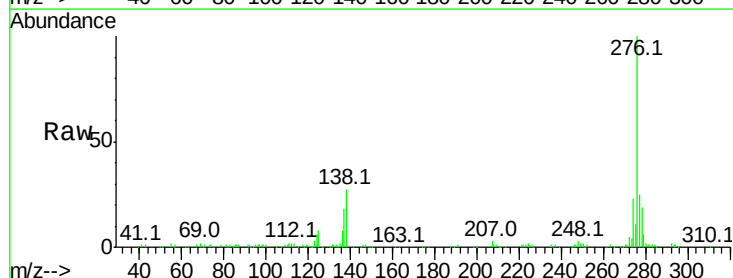
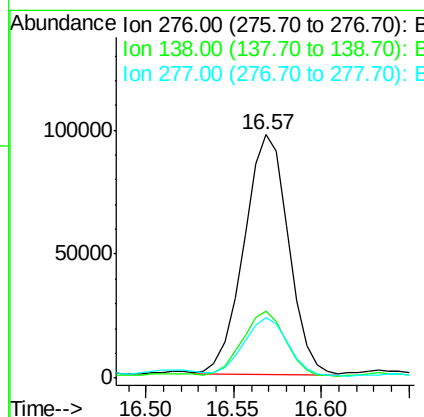
RT: 16.57 min Scan# 2462

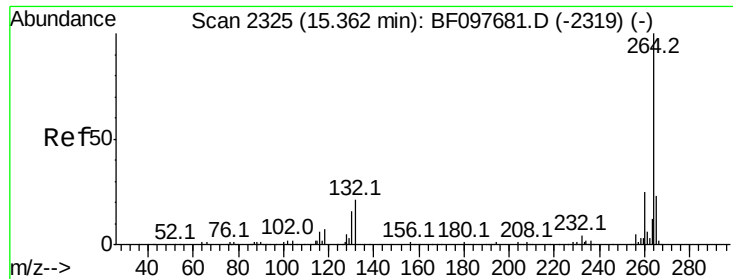
Delta R.T. -0.07 min

Lab File: BF098396.D

Acq: 9 Sep 2017 20:02

Tgt Ion:	276	Resp:	171766
Ion Ratio	Lower	Upper	
276	100		
138	5.0	27.8	41.6#
277	4.4	20.2	30.4#





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.23 min Scan# 2234

Delta R.T. -0.04 min

Lab File: BF098396.D

Acq: 9 Sep 2017 20:02

Instrument :

BNA_F

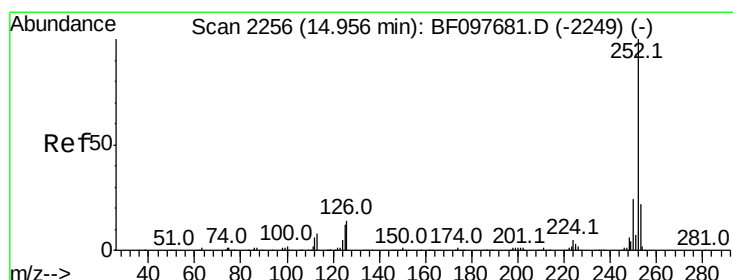
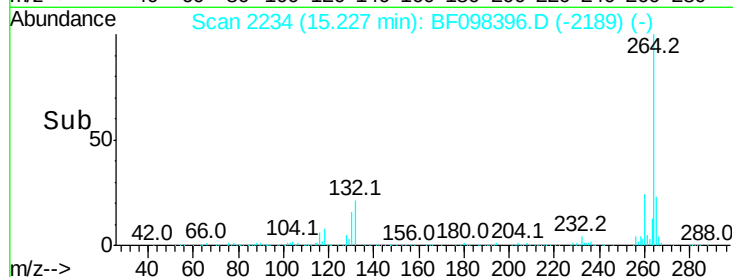
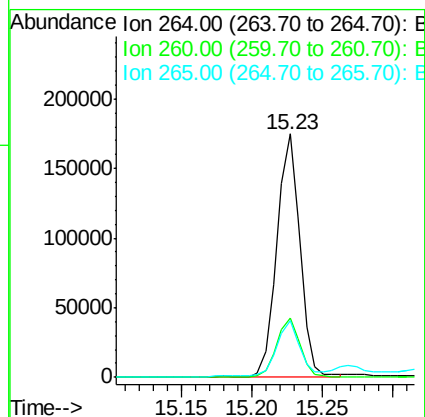
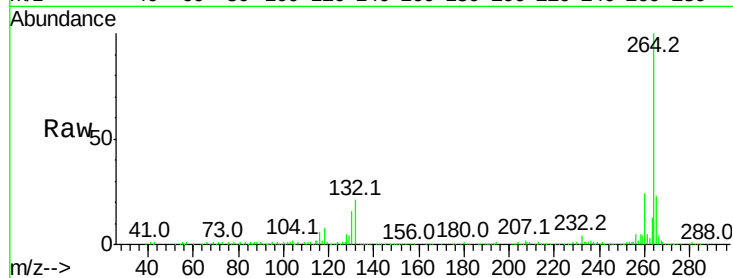
ClientSampleId :

NYSEG-PH4-ESMI2-2

Tot Ion:	264	Resp:	201823
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.5	29.3
265	23.2	17.2	25.8

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#87

Benzo(b)fluoranthene

Concen: 39.901 ng m

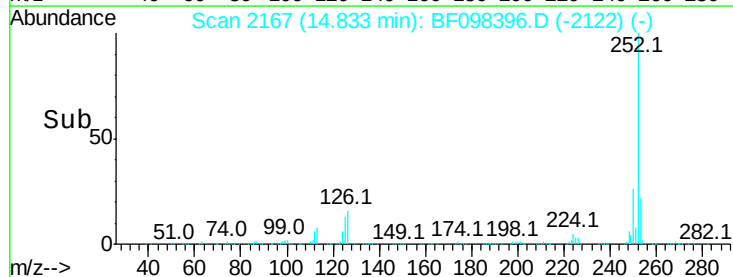
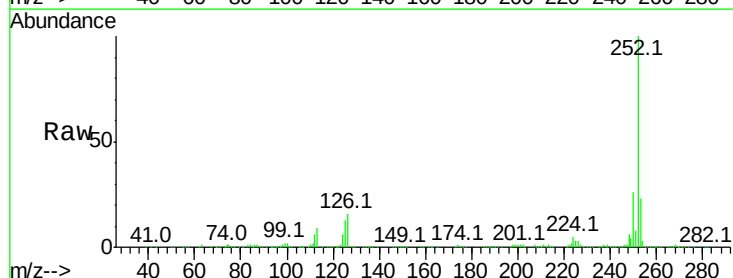
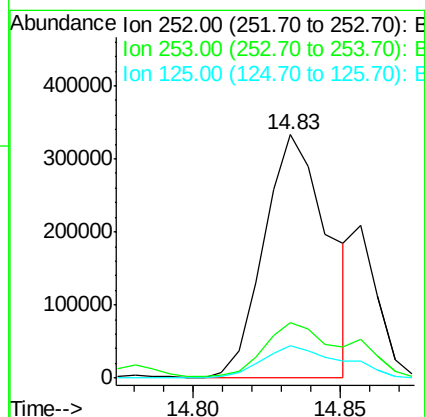
RT: 14.83 min Scan# 2167

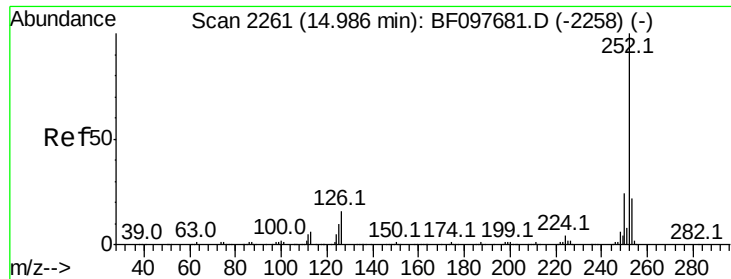
Delta R.T. -0.04 min

Lab File: BF098396.D

Acq: 9 Sep 2017 20:02

Tgt Ion:	252	Resp:	507607
Ion Ratio	Lower	Upper	
252	100		
253	22.6	18.1	27.1
125	13.3	9.8	14.8





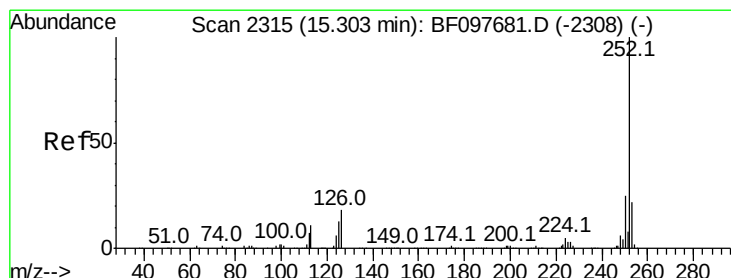
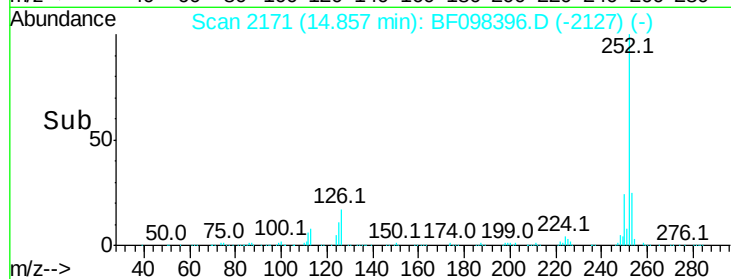
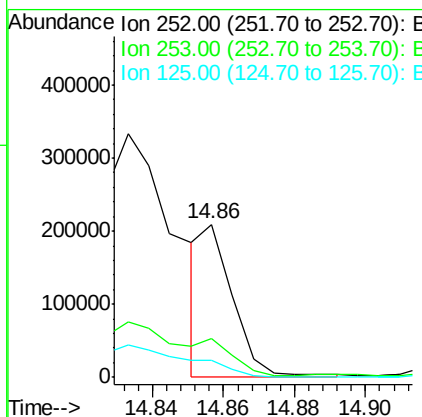
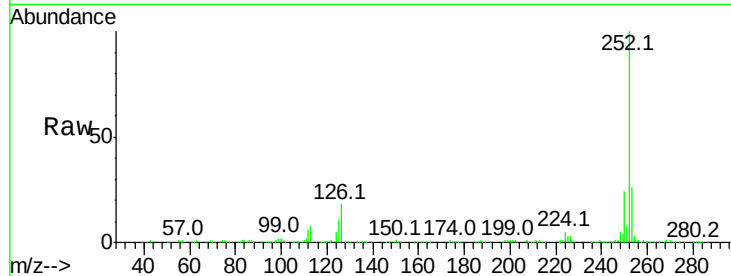
#88
Benzo(k)fluoranthene
Concen: 10.724 ng m
RT: 14.86 min Scan# 2171
Delta R.T. -0.04 min
Lab File: BF098396.D
Acq: 9 Sep 2017 20:02

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.6	18.4	27.6
125	11.2	13.1	19.7

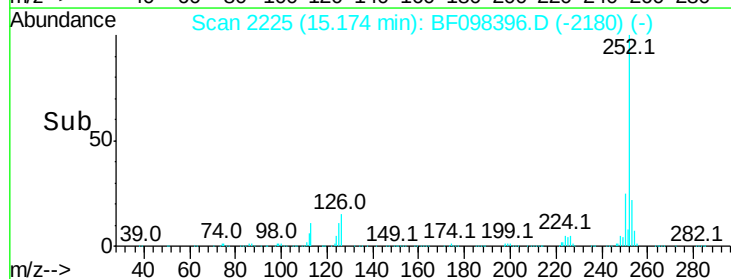
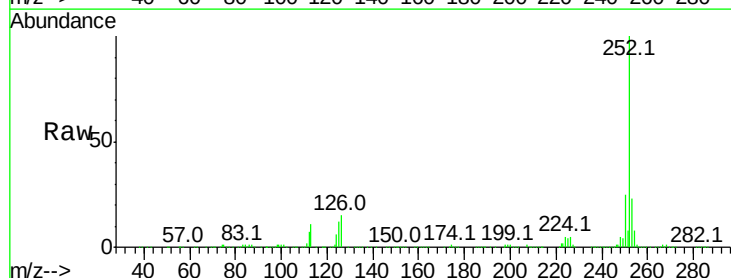
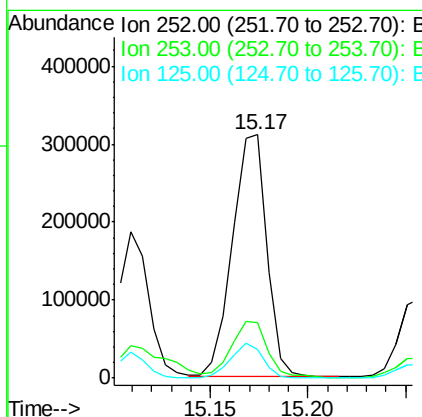
Manual Integrations
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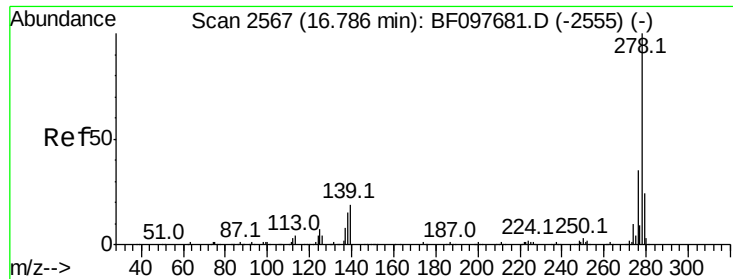
Sohil
9/11/2017 2:42:50 PM



#89
Benzo(a)pyrene
Concen: 33.909 ng
RT: 15.17 min Scan# 2225
Delta R.T. -0.04 min
Lab File: BF098396.D
Acq: 9 Sep 2017 20:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	11.6	11.0	16.4





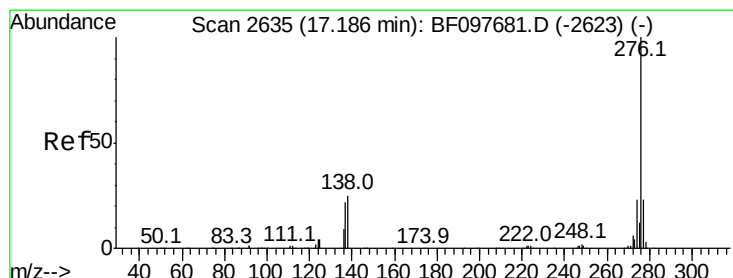
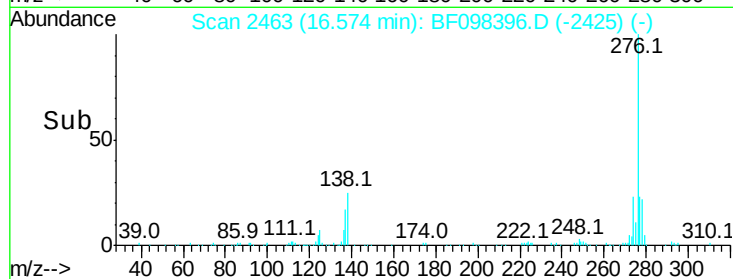
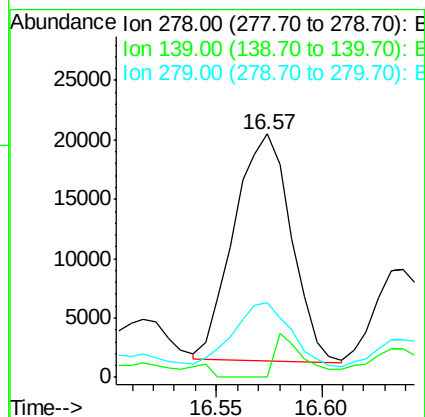
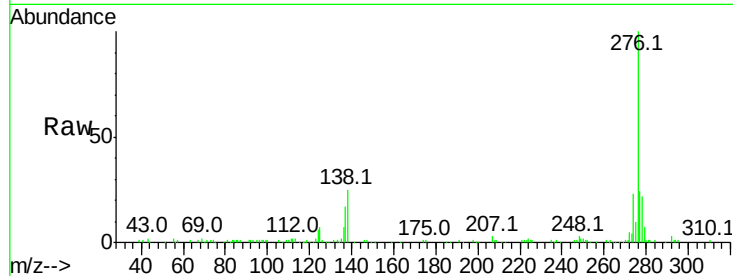
#90
Dibenzo(a,h)anthracene
Concen: 3.931 ng m
RT: 16.57 min Scan# 2463
Delta R.T. -0.08 min
Lab File: BF098396.D
Acq: 9 Sep 2017 20:02

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI2-2

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8#
279	30.5	19.3	28.9#

Manual Integrations
APPROVED

Sohil
9/11/2017 2:42:50 PM



#91
Benzo(g,h,i)perylene
Concen: 16.412 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.08 min
Lab File: BF098396.D
Acq: 9 Sep 2017 20:02

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.6	28.0
138	26.6	25.4	38.0

