

Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
 Data File : BF098980.D
 Acq On : 30 Sep 2017 23:21
 Operator : SJ/JU
 Sample : I5563-07 10X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-SB-ESMI-7

Manual Integrations
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Sohil
 10/2/2017 5:44:47 PM

Quant Time: Oct 01 01:37:29 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	120690	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	441754	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	160025	20.00	ng	0.00
63) Phenanthrene-d10	11.44	188	257961	20.00	ng	0.00
75) Chrysene-d12	14.09	240	215497	20.00	ng	0.00
86) Perylene-d12	15.59	264	157164	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	99579	13.13	ng	-0.01
7) Phenol-d6	6.53	99	118652	12.69	ng	-0.01
23) Nitrobenzene-d5	7.47	82	65929	9.57	ng	-0.02
41) 2,4,6-Tribromophenol	10.74	330	14359	10.97	ng	0.00
44) 2-Fluorobiphenyl	9.27	172	100773	10.51	ng	-0.01
78) Terphenyl-d14	13.02	244	75223	7.94	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.22	128	333915	16.094	ng	99
37) 2-Methylnaphthalene	8.91	142	42851	3.177	ng	97
45) 1,1'-Biphenyl	9.37	154	66963	4.869	ng	97
48) Acenaphthylene	9.82	152	117266	7.418	ng	98
51) Acenaphthene	9.99	154	308169	30.776	ng	99
54) Dibenzofuran	10.16	168	251862	18.891	ng	96
57) Fluorene	10.50	166	350535	32.711	ng	97
70) Phenanthrene	11.47	178	1768630	128.088	ng	99
71) Anthracene	11.53	178	910527	64.448	ng	99
72) Carbazole	11.67	167	126703	9.158	ng	100
74) Fluoranthene	12.67	202	2094538	149.802	ng	98
77) Pyrene	12.90	202	1906730	116.034	ng	98
80) Benzo(a)anthracene	14.08	228	871379m	66.778	ng	
82) Chrysene	14.12	228	679428	54.691	ng	98
85) Indeno(1,2,3-cd)pyrene	17.10	276	270014	27.171	ng	96
87) Benzo(b)fluoranthene	15.14	252	657125m	68.004	ng	
88) Benzo(k)fluoranthene	15.17	252	254284m	26.643	ng	
89) Benzo(a)pyrene	15.53	252	523875	59.061	ng	96
90) Dibenzo(a,h)anthracene	17.11	278	55892	7.874	ng	# 81
91) Benzo(a,h,i)perylene	17.57	276	258555	36.848	ng	96

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

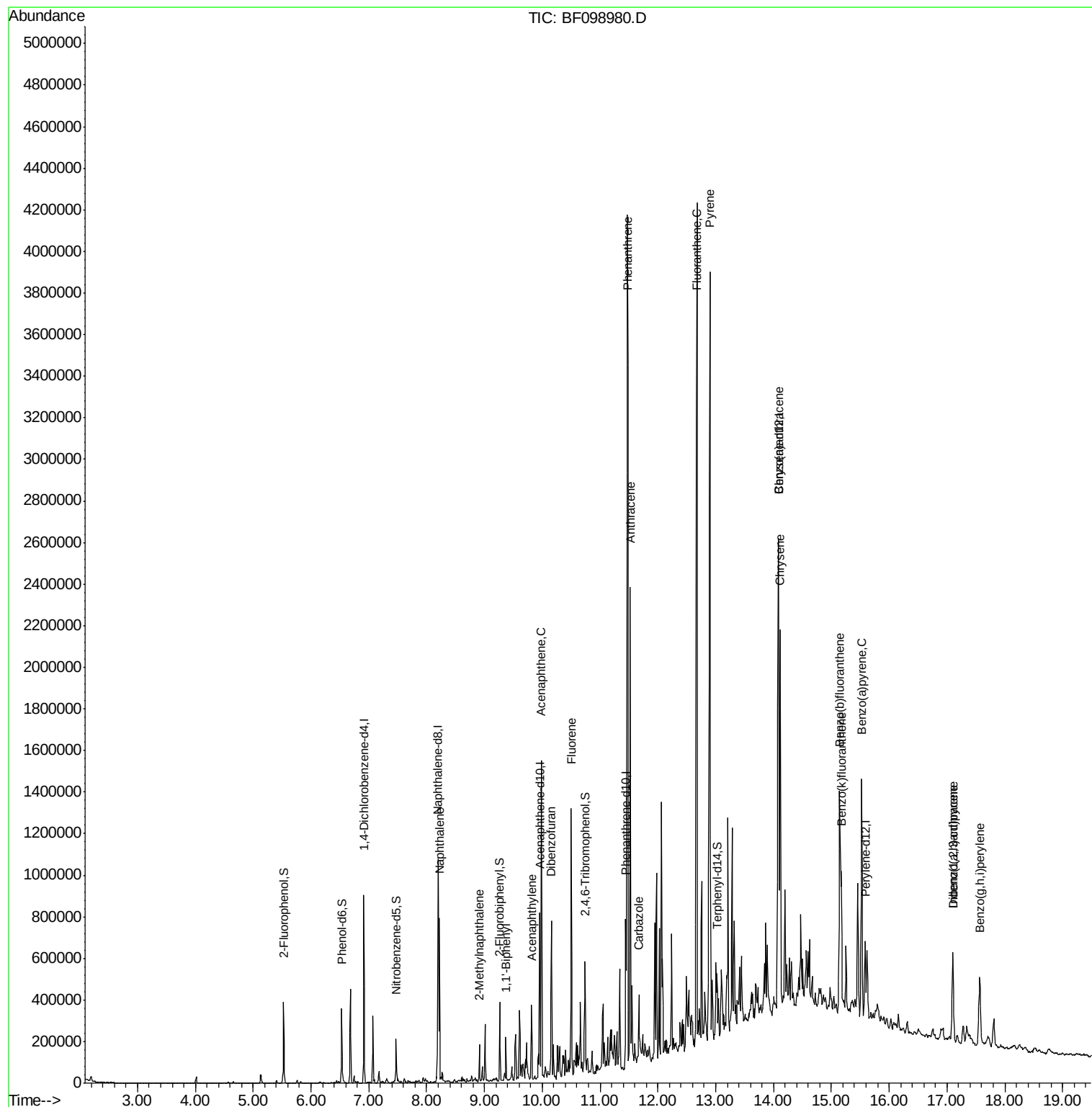
Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
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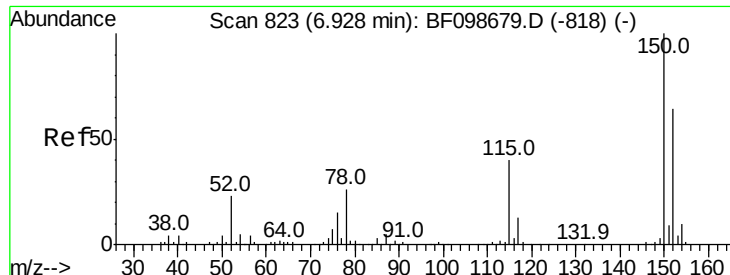
Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-7

Manual Integrations
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

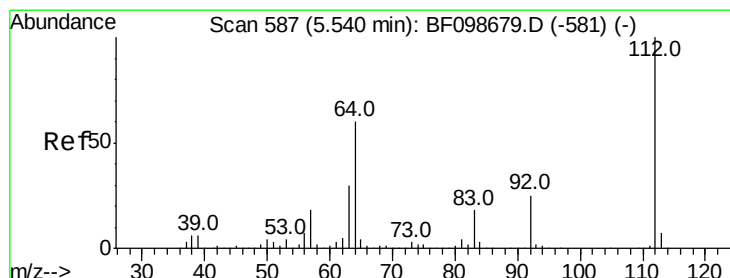
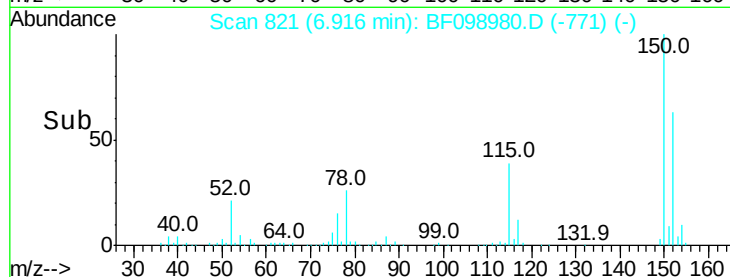
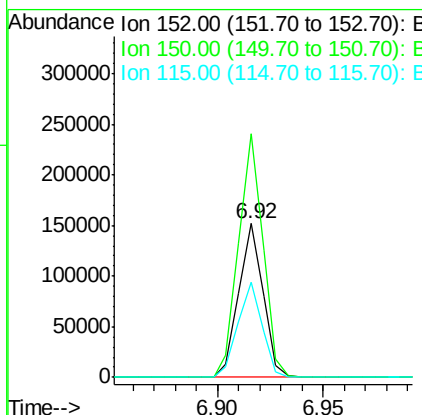
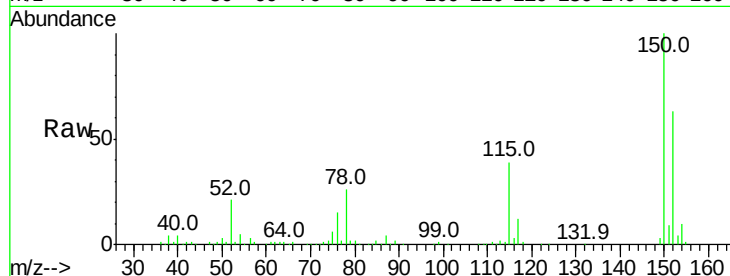
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098980.D
Acq: 30 Sep 2017 23:21

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-7

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	124.6	186.8
115	61.7	50.1	75.1

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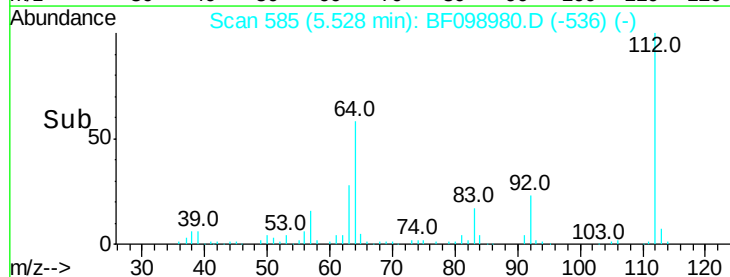
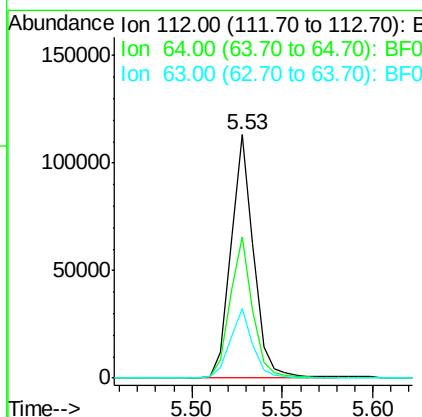
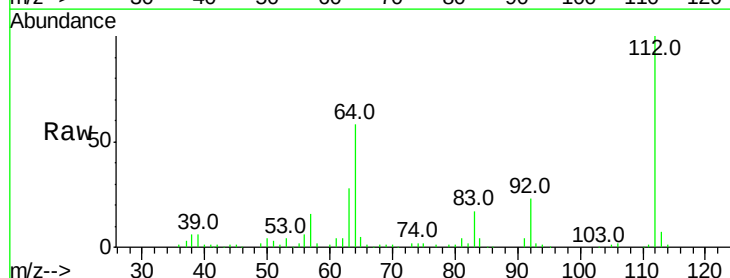
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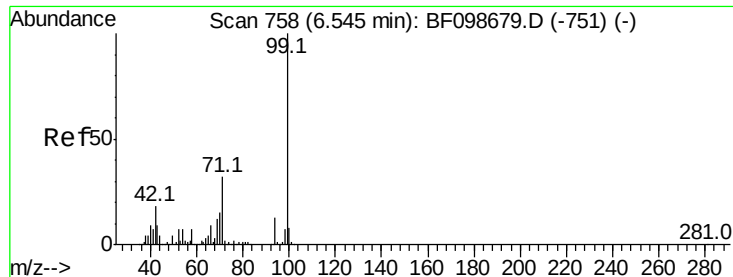


#5

2-Fluorophenol
Concen: 13.134 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF098980.D
Acq: 30 Sep 2017 23:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.1	47.9	71.9
63	28.5	23.7	35.5





#7

Phenol-d6

Concen: 12.686 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF098980.D

Acq: 30 Sep 2017 23:21

Instrument :

BNA_F

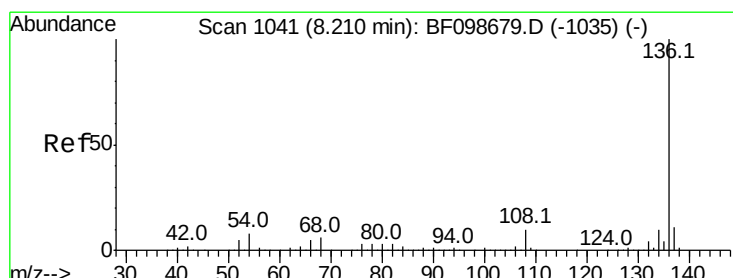
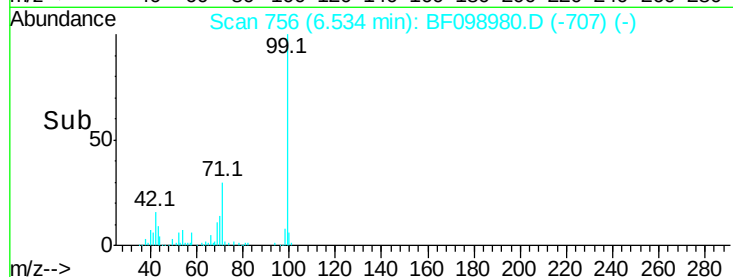
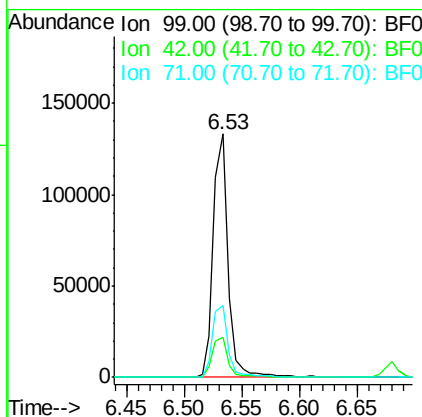
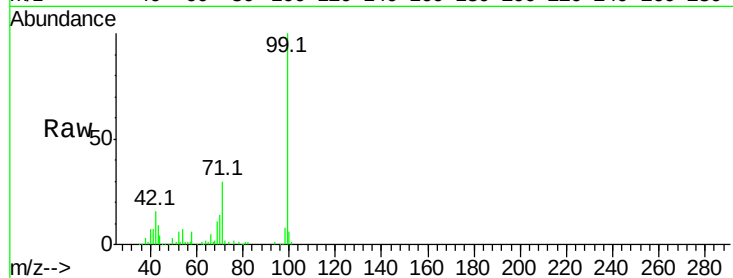
ClientSampleId :

NYSEG-PH4-SB-ESMI-7

Tot Ion:	99	Resp:	118652
Ion Ratio	Lower	Upper	
99	100		
42	16.3	14.5	21.7
71	29.9	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

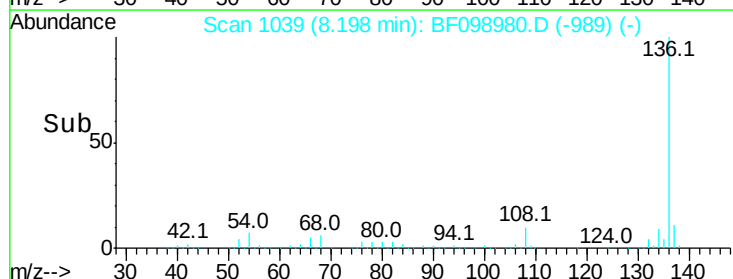
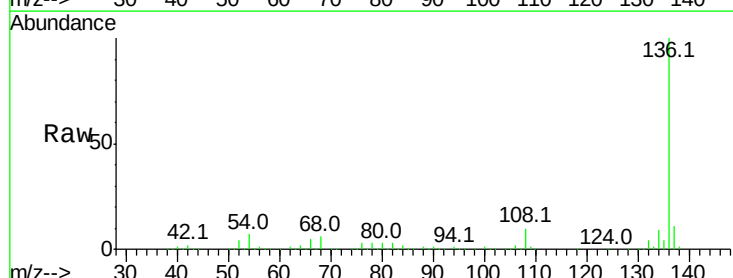
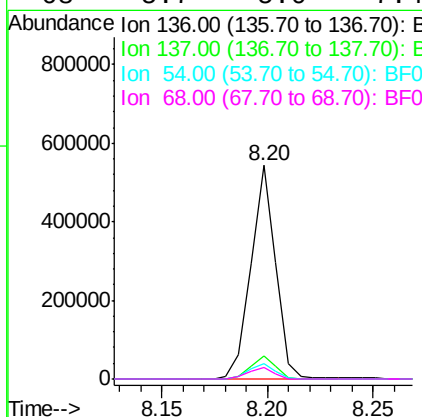
RT: 8.20 min Scan# 1039

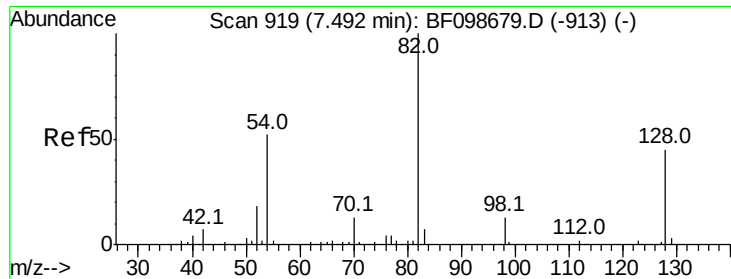
Delta R.T. -0.01 min

Lab File: BF098980.D

Acq: 30 Sep 2017 23:21

Tgt Ion:	136	Resp:	441754
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	7.4	6.6	9.8
68	5.7	5.0	7.4





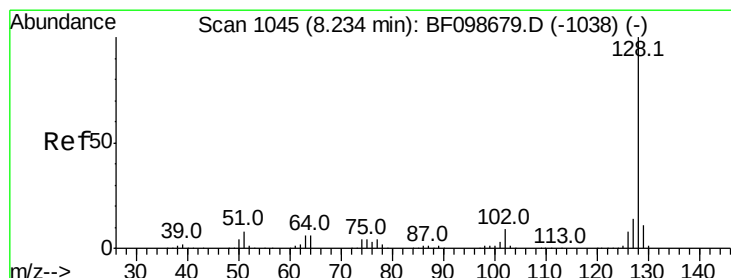
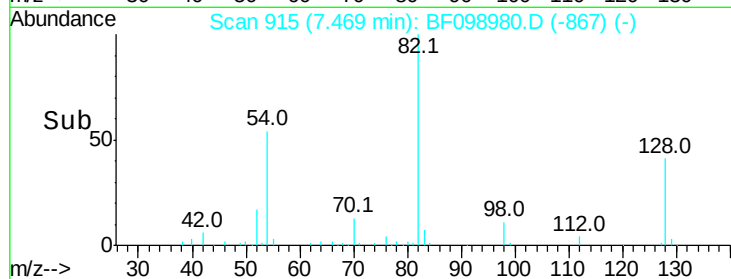
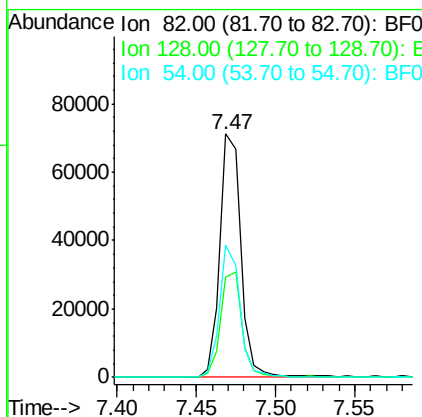
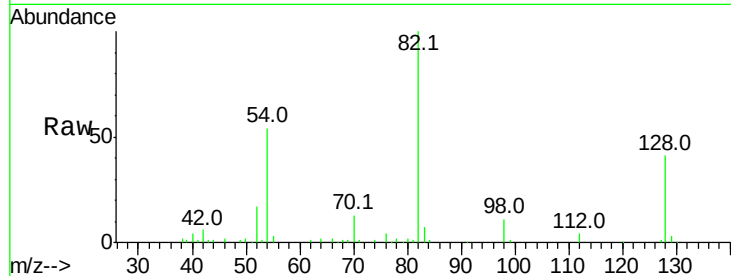
#23
 Nitrobenzene-d5
 Concen: 9.571 ng
 RT: 7.47 min Scan# 915
 Delta R.T. -0.02 min
 Lab File: BF098980.D
 Acq: 30 Sep 2017 23:21

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-SB-ESMI-7

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.0	36.1	54.1
54	54.3	41.4	62.2

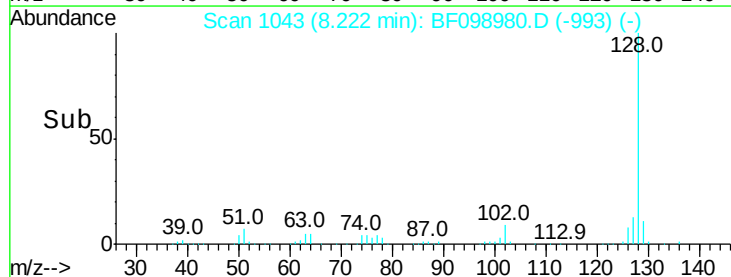
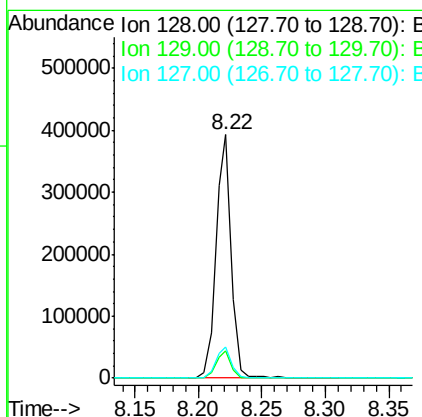
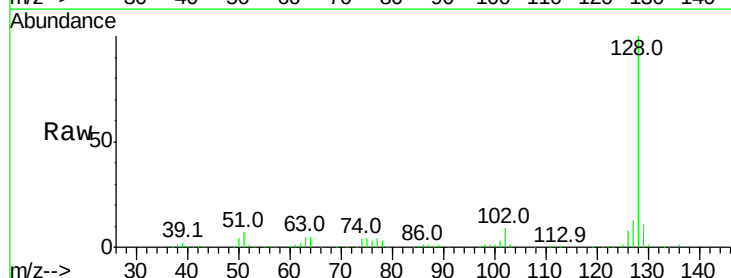
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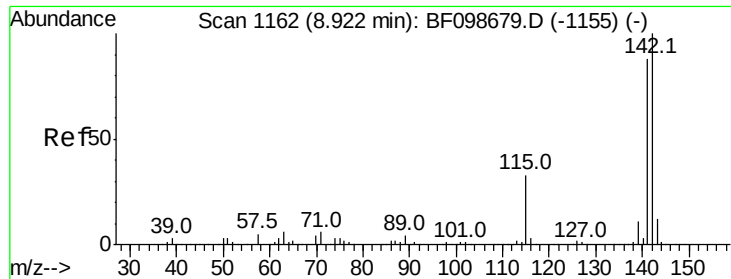
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#31
 Naphthalene
 Concen: 16.094 ng
 RT: 8.22 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: BF098980.D
 Acq: 30 Sep 2017 23:21

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	12.9	10.9	16.3





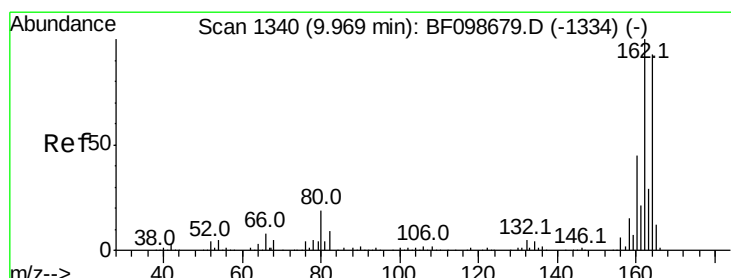
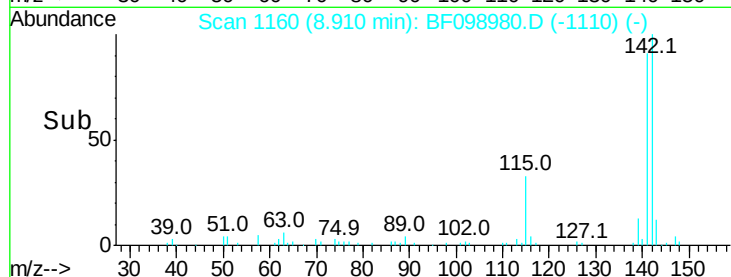
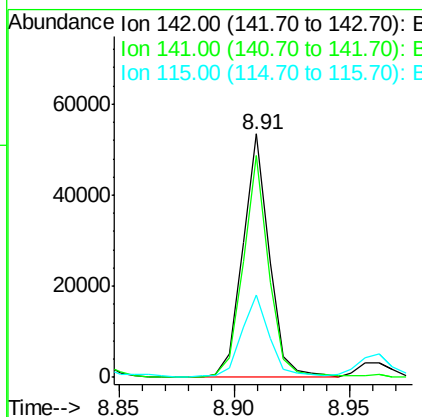
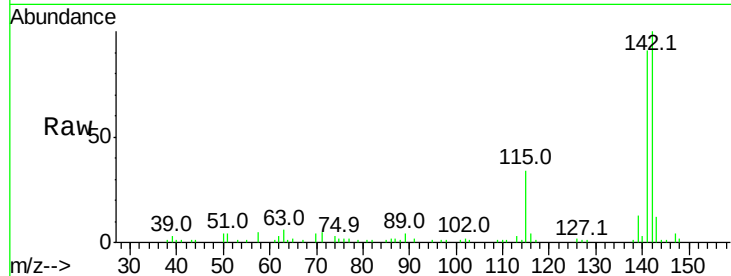
#37
2-Methylnaphthalene
Concen: 3.177 ng
RT: 8.91 min Scan# 1160
Delta R.T. -0.01 min
Lab File: BF098980.D
Acq: 30 Sep 2017 23:21

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-7

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.2	70.8	106.2
115	34.0	26.1	39.1

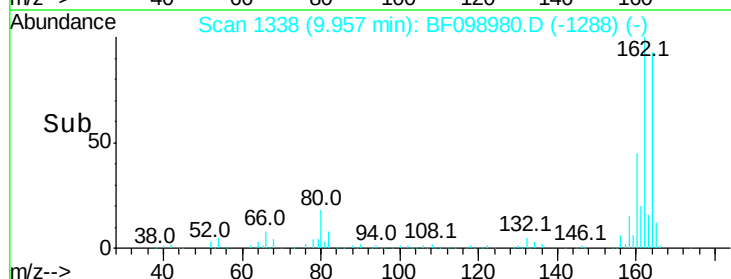
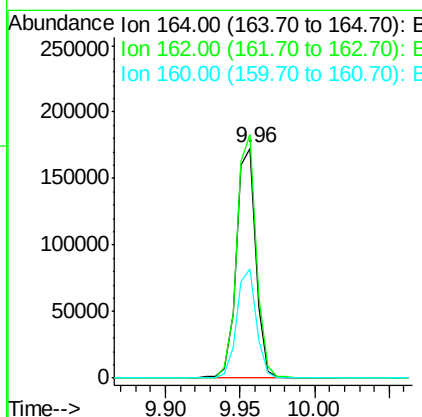
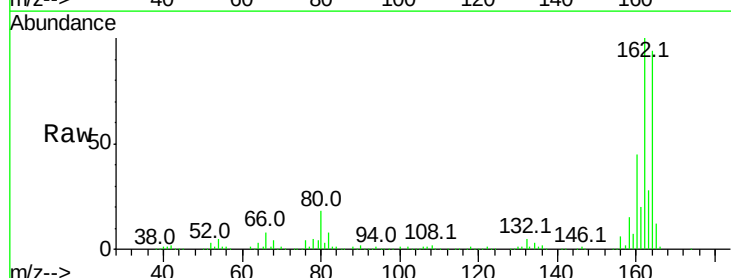
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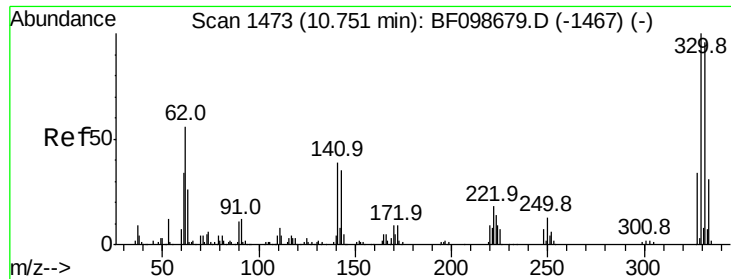
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.96 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF098980.D
Acq: 30 Sep 2017 23:21

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.9	86.1	129.1
160	47.3	38.3	57.5





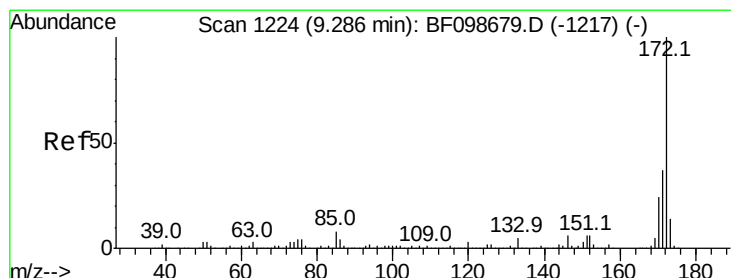
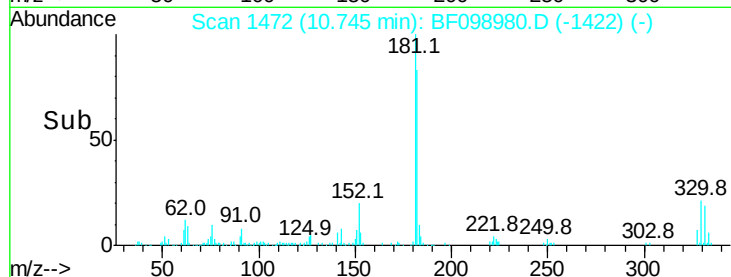
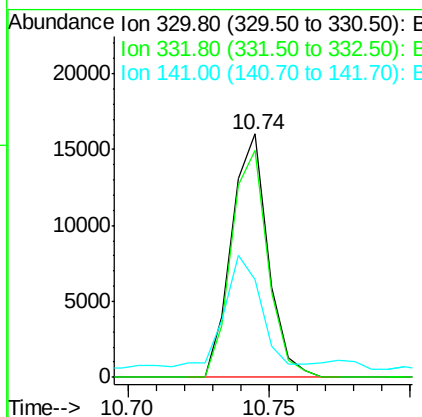
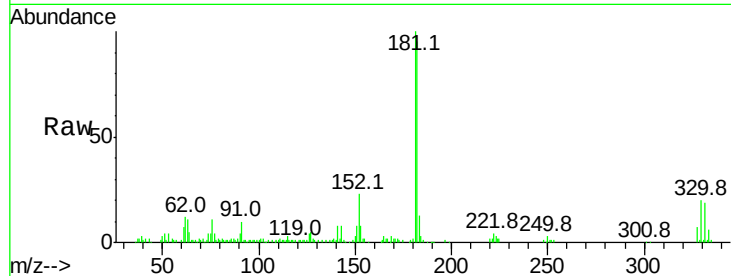
#41
 2,4,6-Tribromophenol
 Concen: 10.966 ng
 RT: 10.74 min Scan# 1472
 Delta R.T. -0.01 min
 Lab File: BF098980.D
 Acq: 30 Sep 2017 23:21

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-SB-ESMI-7

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.9	77.0	115.6
141	52.0	29.9	44.9#

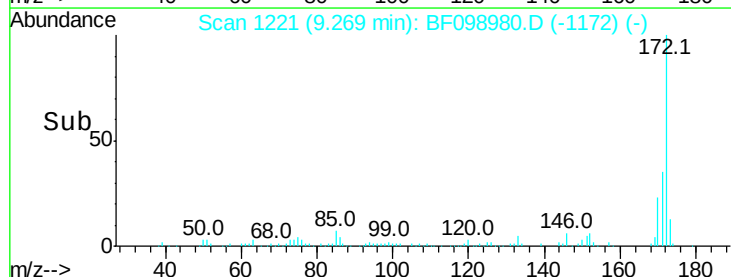
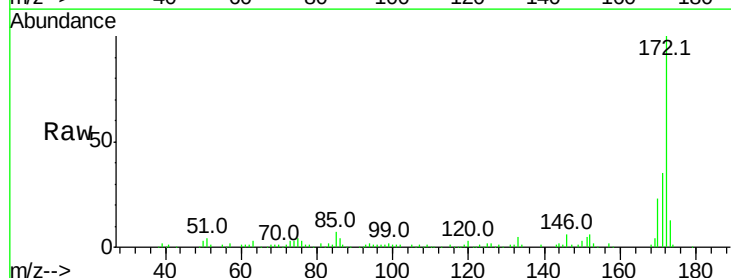
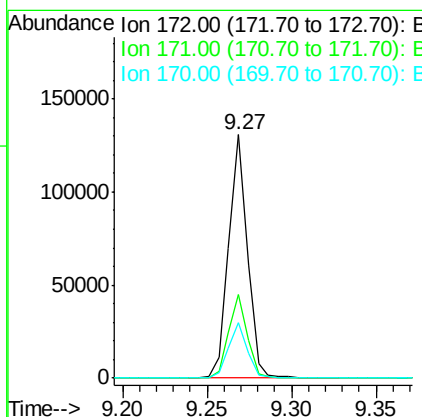
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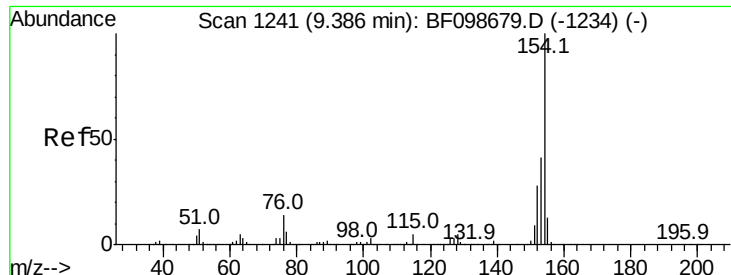
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#44
 2-Fluorobiphenyl
 Concen: 10.513 ng
 RT: 9.27 min Scan# 1221
 Delta R.T. -0.01 min
 Lab File: BF098980.D
 Acq: 30 Sep 2017 23:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	29.7	44.5
170	22.6	19.6	29.4





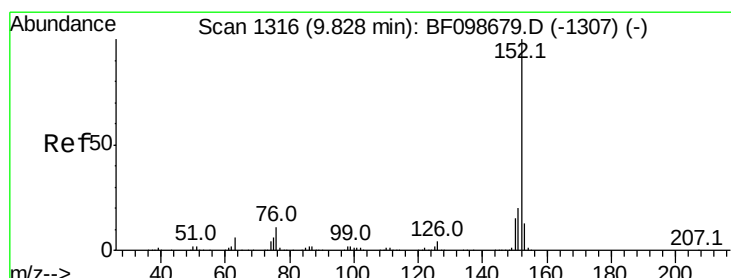
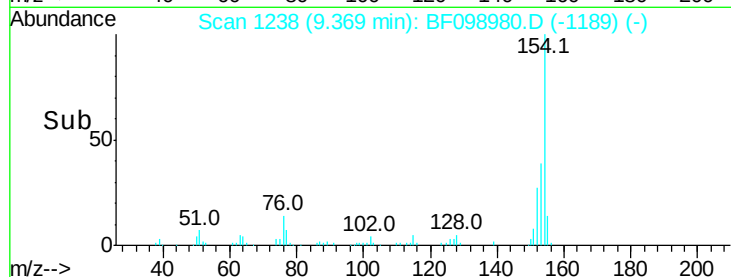
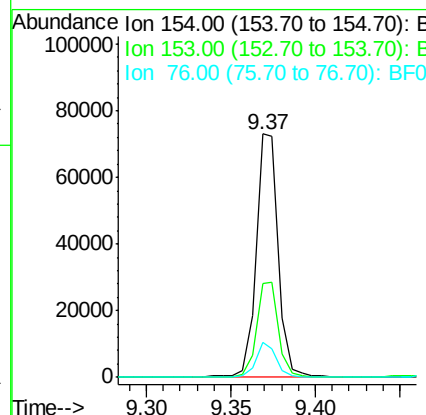
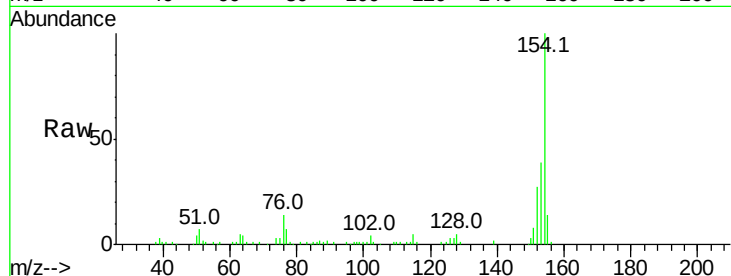
#45
 1,1'-Biphenyl
 Concen: 4.869 ng
 RT: 9.37 min Scan# 1238
 Delta R.T. -0.01 min
 Lab File: BF098980.D
 Acq: 30 Sep 2017 23:21

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-SB-ESMI-7

Tot Ion	Ratio	Resp	Lower	Upper
154	100			
153	38.8	21.3	61.3	
76	14.4	0.0	34.0	

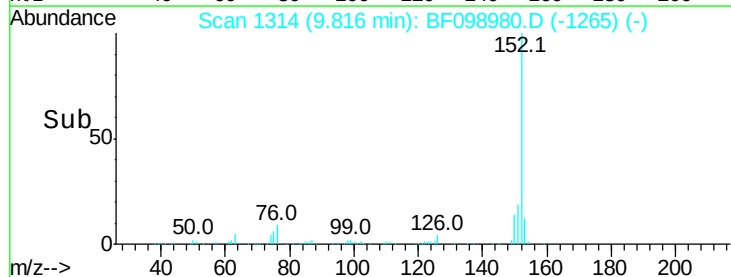
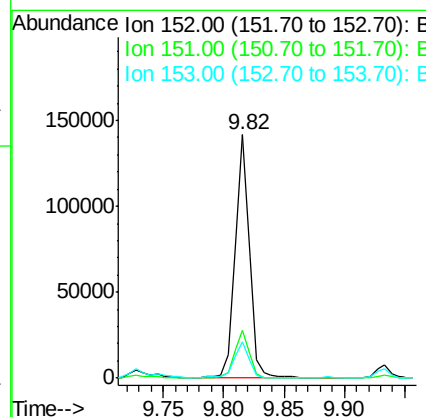
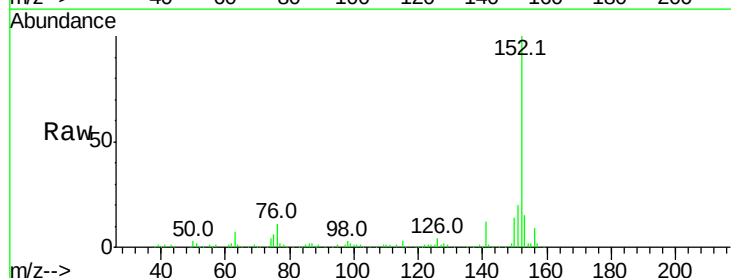
Manual Integrations
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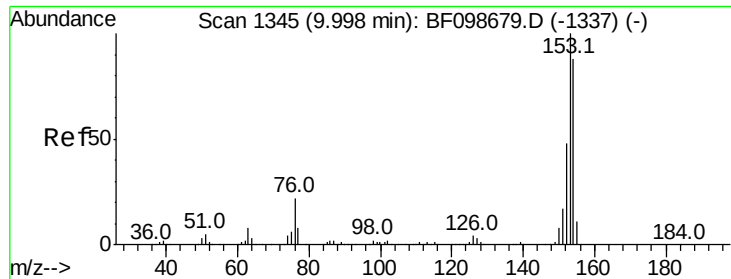
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#48
 Acenaphthylene
 Concen: 7.418 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: BF098980.D
 Acq: 30 Sep 2017 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
152	100			
151	19.7	16.3	24.5	
153	14.9	10.7	16.1	





#51

Acenaphthene

Concen: 30.776 ng

RT: 9.99 min Scan# 1343

Delta R.T. -0.01 min

Lab File: BF098980.D

Acq: 30 Sep 2017 23:21

Instrument :

BNA_F

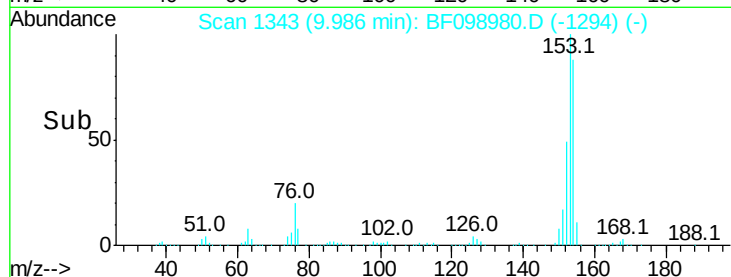
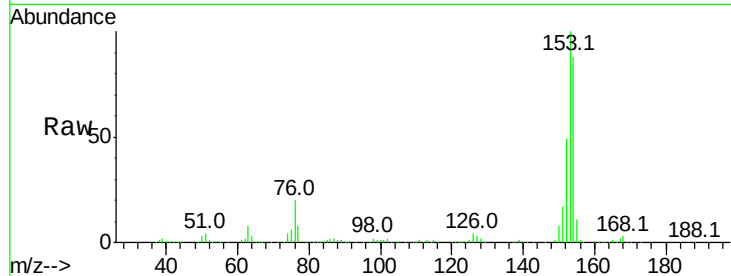
ClientSampleId :

NYSEG-PH4-SB-ESMI-7

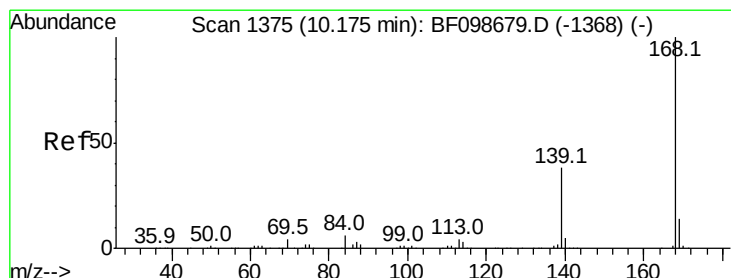
Tot Ion:	154	Resp:	308169
Ion Ratio	Lower	Upper	
154	100		
153	113.4	91.2	136.8
152	55.4	43.8	65.8

Manual Integrations
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Time-->



#54

Dibenzofuran

Concen: 18.891 ng

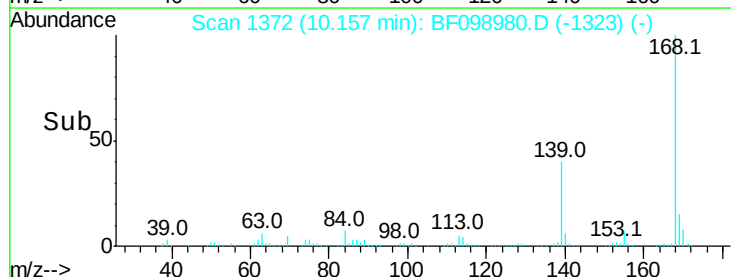
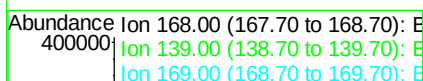
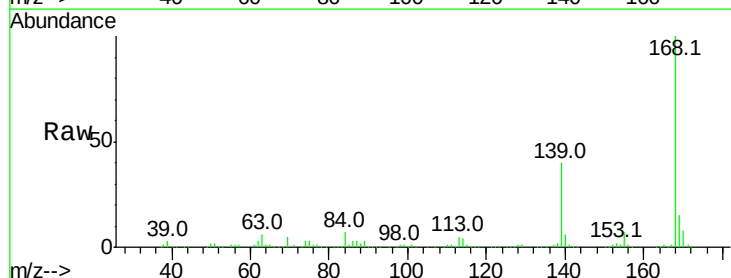
RT: 10.16 min Scan# 1372

Delta R.T. -0.01 min

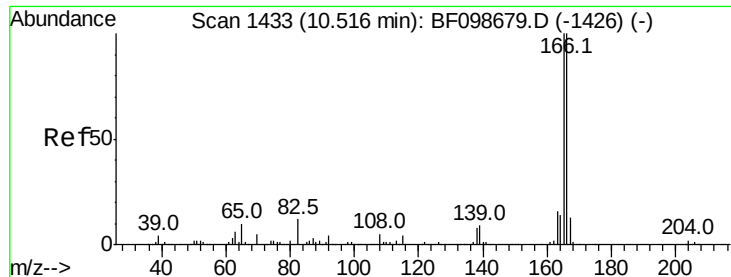
Lab File: BF098980.D

Acq: 30 Sep 2017 23:21

Tgt Ion:	168	Resp:	251862
Ion Ratio	Lower	Upper	
168	100		
139	40.0	30.1	45.1
169	15.0	10.9	16.3



Time-->



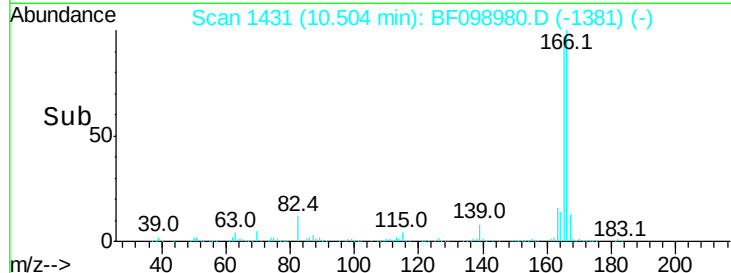
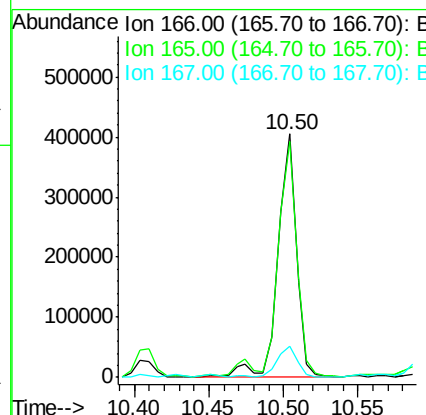
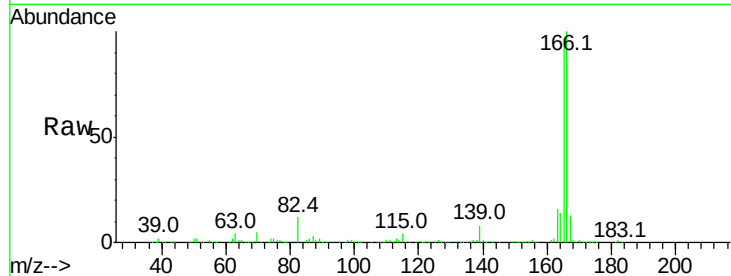
#57
 Fluorene
 Concen: 32.711 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: BF098980.D
 Acq: 30 Sep 2017 23:21

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-SB-ESMI-7

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	96.9	79.8	119.8	
167	13.0	10.6	16.0	

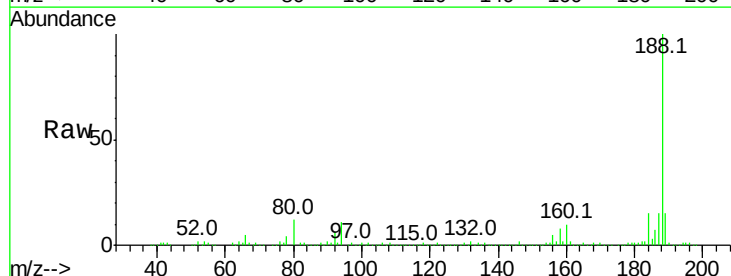
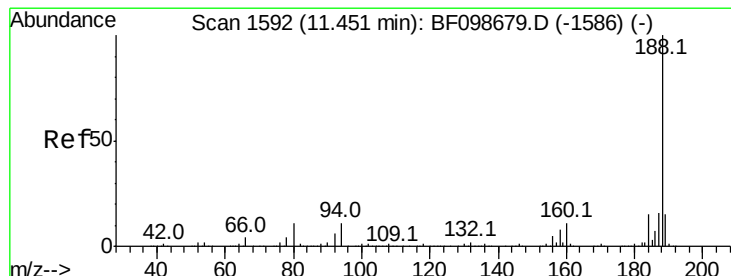
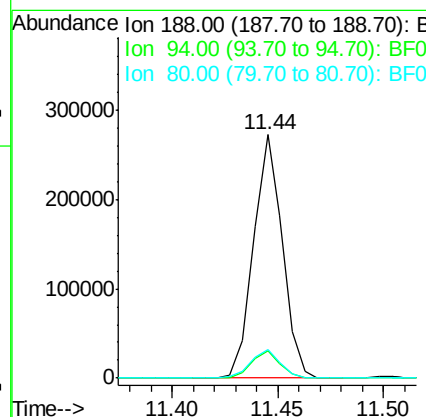
Manual Integrations
 APPROVED

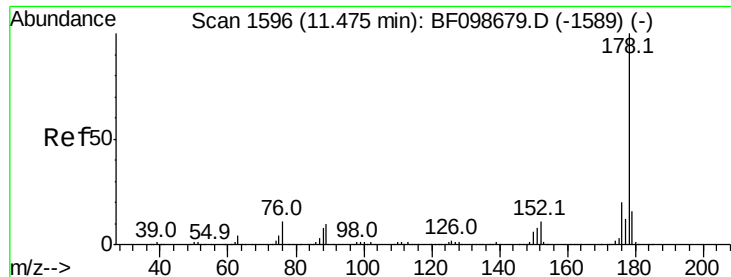
Sohil
 10/2/2017 5:44:47 PM



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.44 min Scan# 1591
 Delta R.T. -0.00 min
 Lab File: BF098980.D
 Acq: 30 Sep 2017 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	11.2	8.5	12.7	
80	11.7	9.2	13.8	





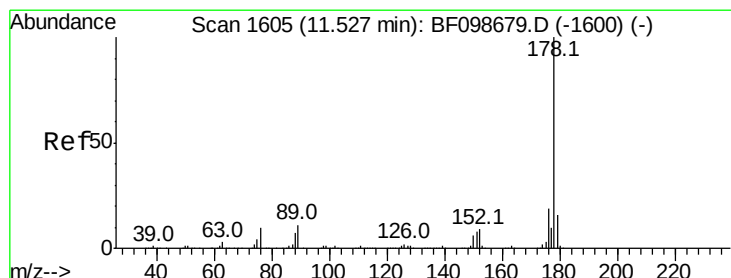
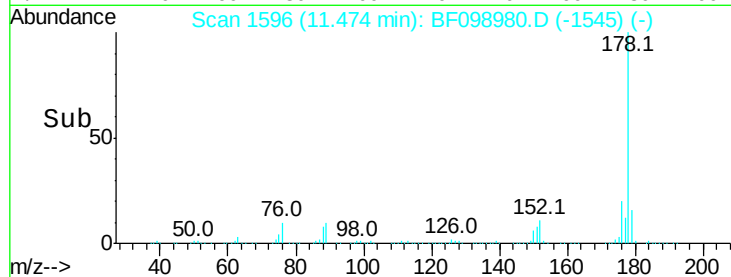
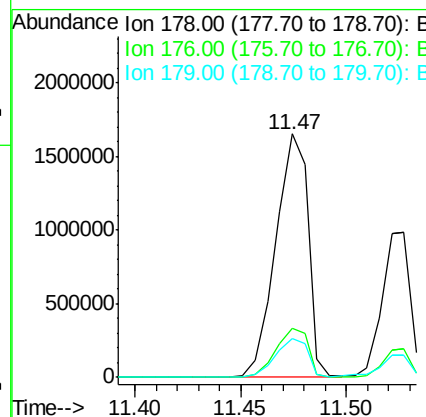
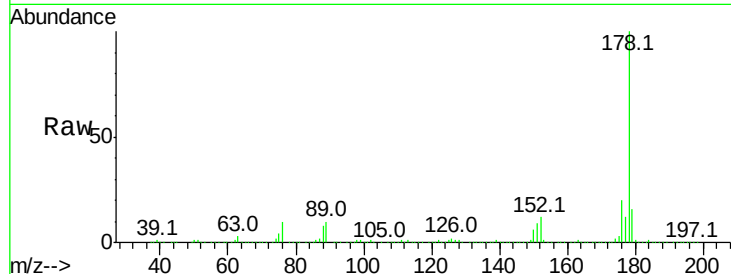
#70
Phenanthrene
Concen: 128.088 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.00 min
Lab File: BF098980.D
Acq: 30 Sep 2017 23:21

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-7

Tot Ion:178 Resp: 1768630
Ion Ratio Lower Upper
178 100
176 20.3 15.8 23.8
179 16.2 13.0 19.6

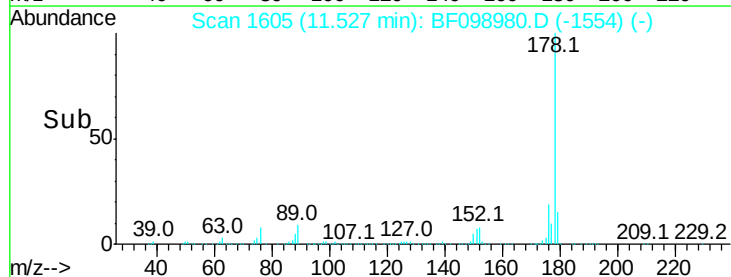
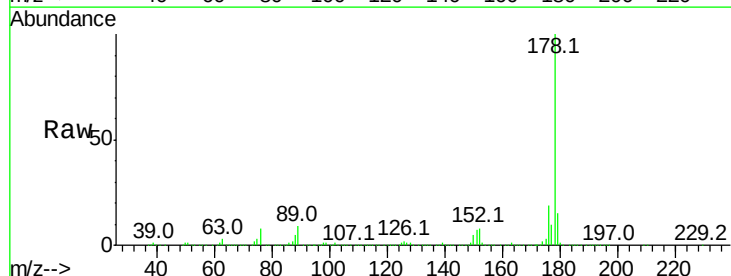
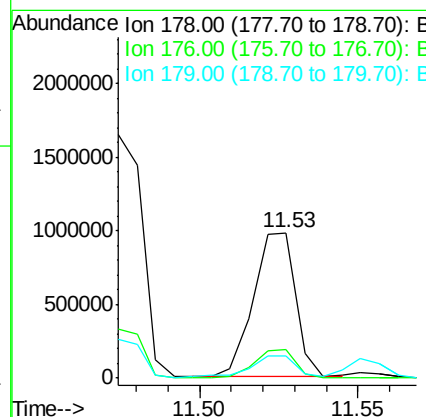
Manual Integrations
APPROVED

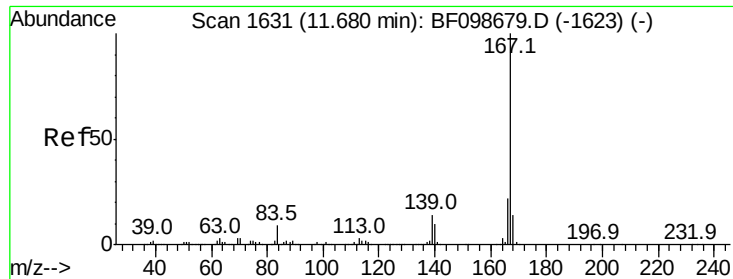
Sohil
10/2/2017 5:44:47 PM



#71
Anthracene
Concen: 64.448 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.00 min
Lab File: BF098980.D
Acq: 30 Sep 2017 23:21

Tgt Ion:178 Resp: 910527
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 15.1 12.6 19.0





#72

Carbazole

Concen: 9.158 ng

RT: 11.67 min Scan# 1630

Delta R.T. -0.00 min

Lab File: BF098980.D

Acq: 30 Sep 2017 23:21

Instrument :

BNA_F

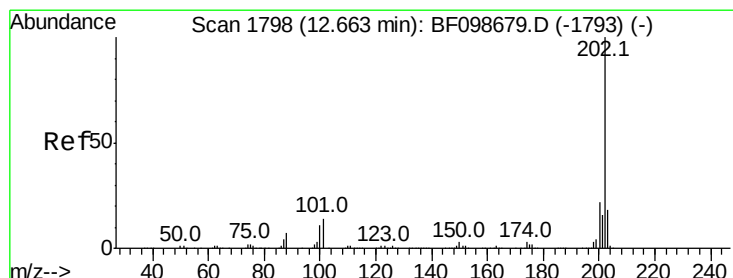
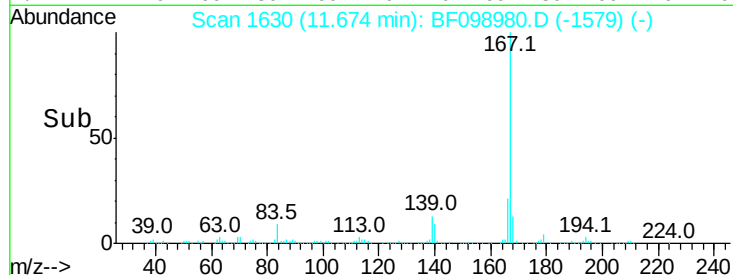
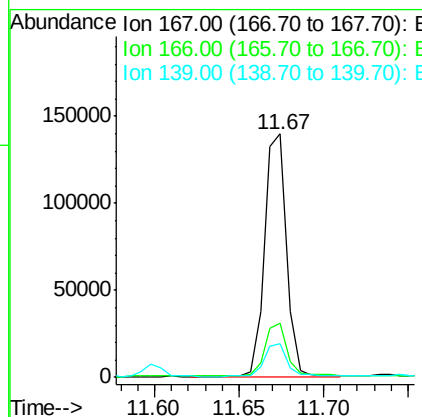
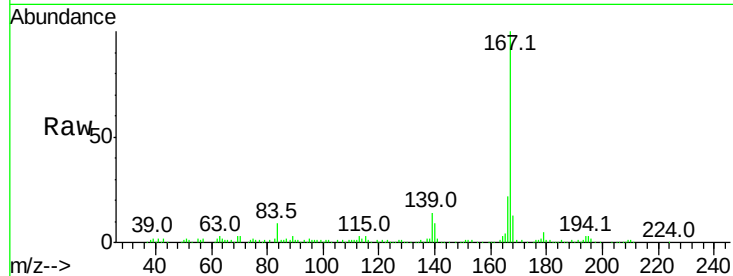
ClientSampleId :

NYSEG-PH4-SB-ESMI-7

Tot Ion:	167	Resp:	126703
Ion Ratio	Lower	Upper	
167	100		
166	22.1	17.6	26.4
139	14.0	10.9	16.3

Manual Integrations
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10/2/2017 5:44:47 PM



#74

Fluoranthene

Concen: 149.802 ng

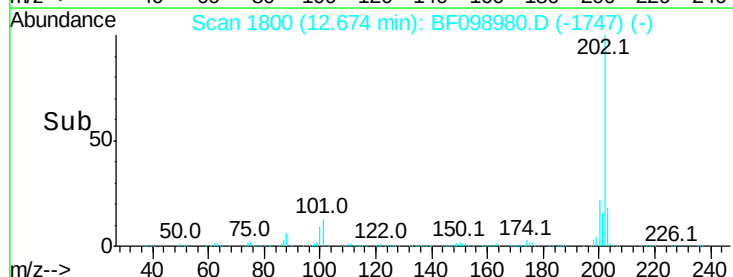
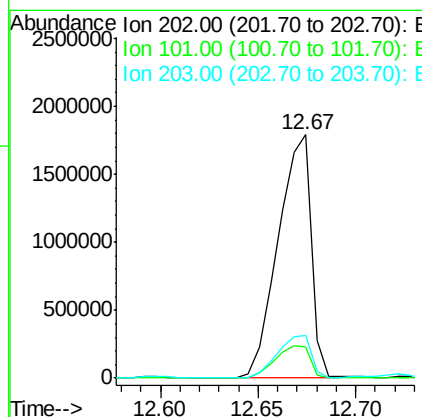
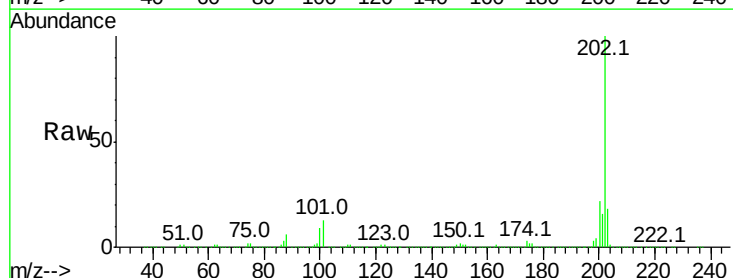
RT: 12.67 min Scan# 1800

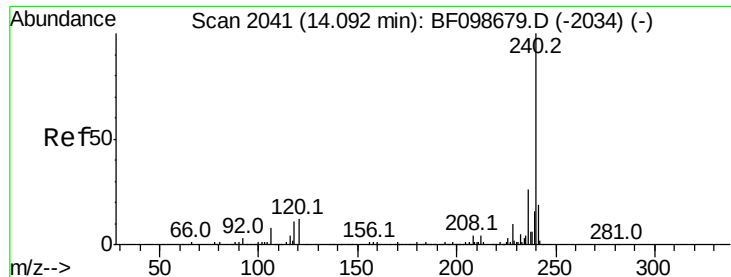
Delta R.T. 0.01 min

Lab File: BF098980.D

Acq: 30 Sep 2017 23:21

Tgt Ion:	202	Resp:	2094538
Ion Ratio	Lower	Upper	
202	100		
101	12.8	0.0	34.1
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.09 min Scan# 2041

Delta R.T. 0.01 min

Lab File: BF098980.D

Acq: 30 Sep 2017 23:21

Instrument :

BNA_F

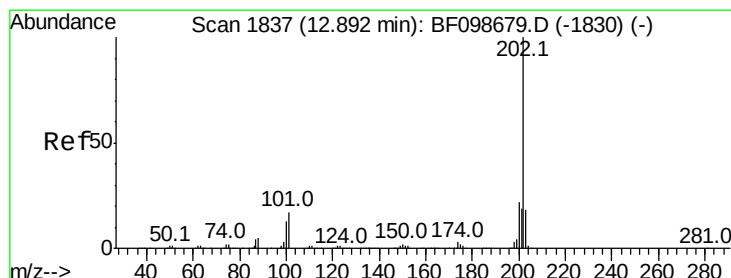
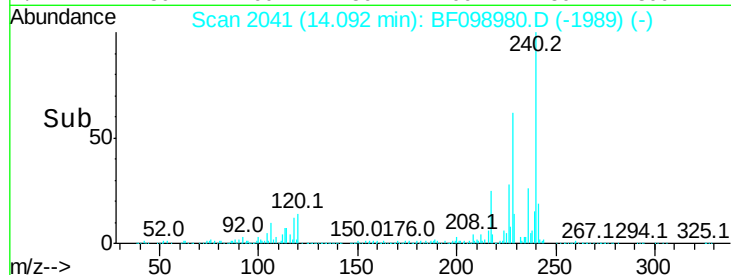
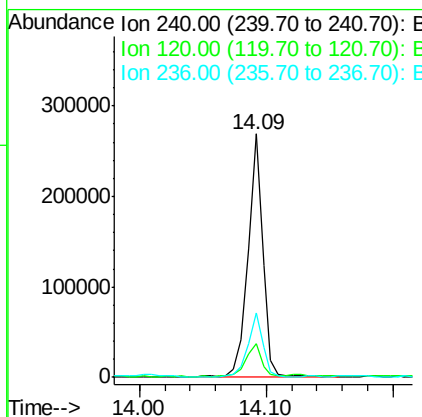
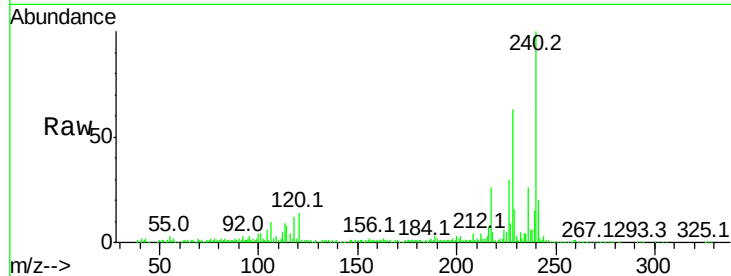
ClientSampleId :

NYSEG-PH4-SB-ESMI-7

Tot Ion:	240	Resp:	215497
Ion Ratio	Lower	Upper	
240	100		
120	13.9	9.5	14.3
236	26.3	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 116.034 ng

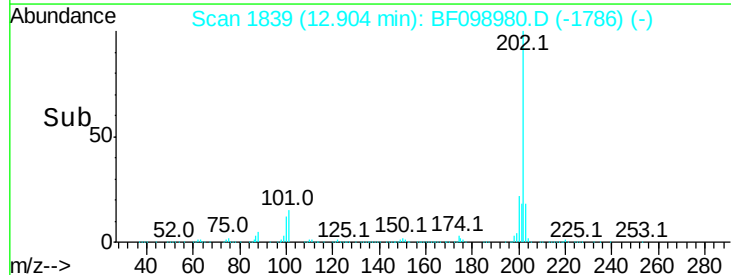
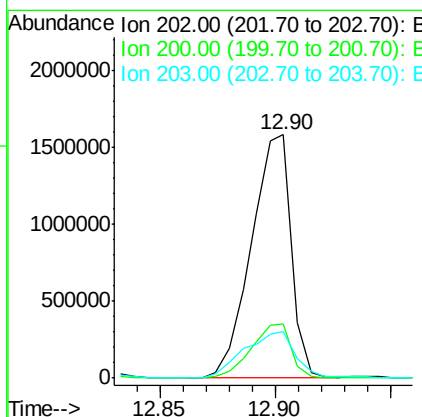
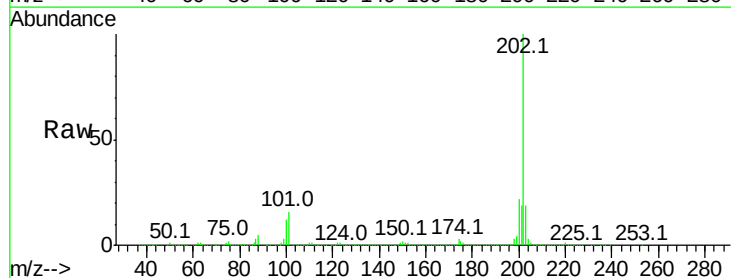
RT: 12.90 min Scan# 1839

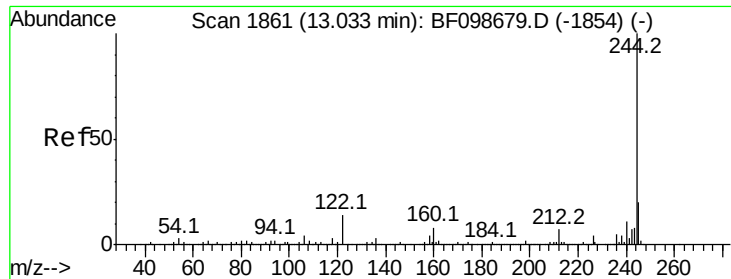
Delta R.T. 0.01 min

Lab File: BF098980.D

Acq: 30 Sep 2017 23:21

Tgt Ion:	202	Resp:	1906730
Ion Ratio	Lower	Upper	
202	100		
200	22.3	17.4	26.2
203	19.1	14.3	21.5





#78

Terphenyl-d14

Concen: 7.938 ng

RT: 13.02 min Scan# 1859

Delta R.T. -0.01 min

Lab File: BF098980.D

Acq: 30 Sep 2017 23:21

Instrument :

BNA_F

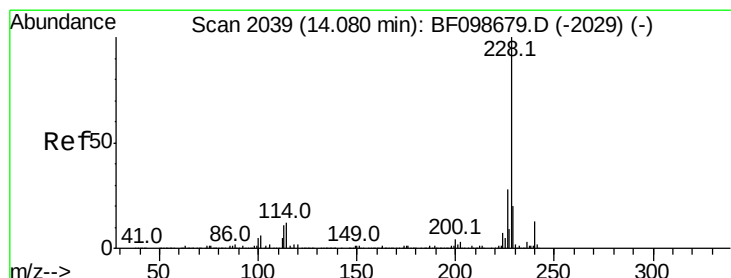
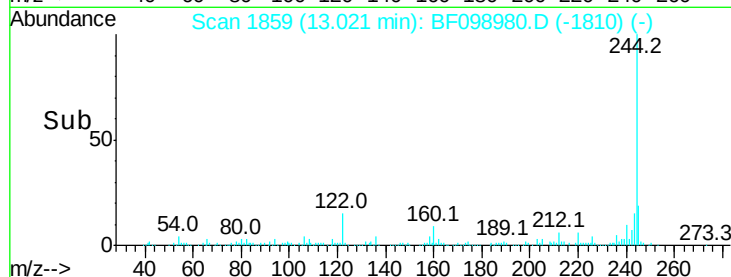
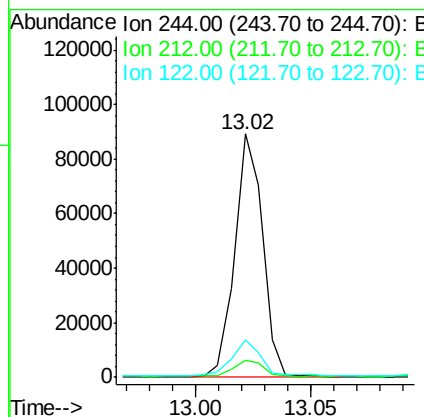
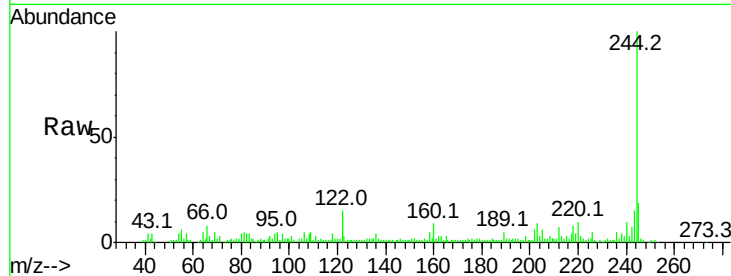
ClientSampleId :

NYSEG-PH4-SB-ESMI-7

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.0
122	15.4	11.0	16.4

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 66.778 ng m

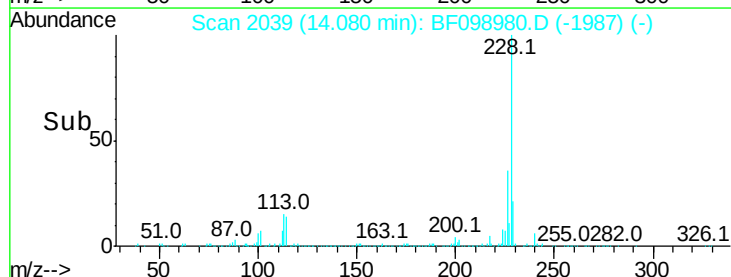
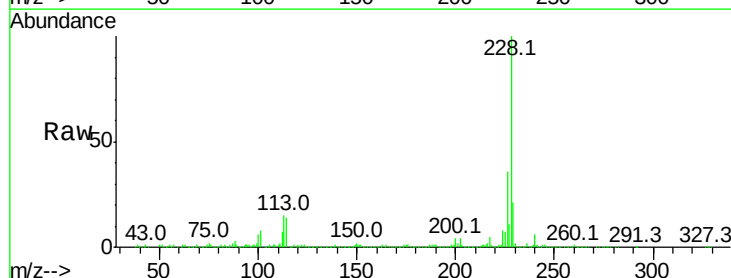
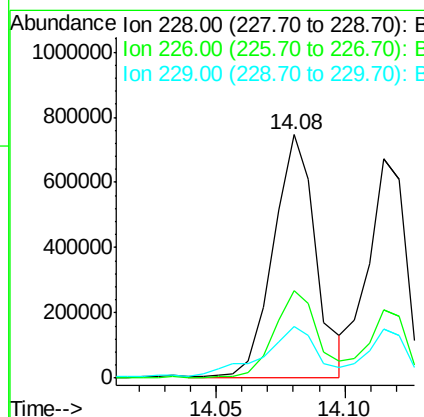
RT: 14.08 min Scan# 2039

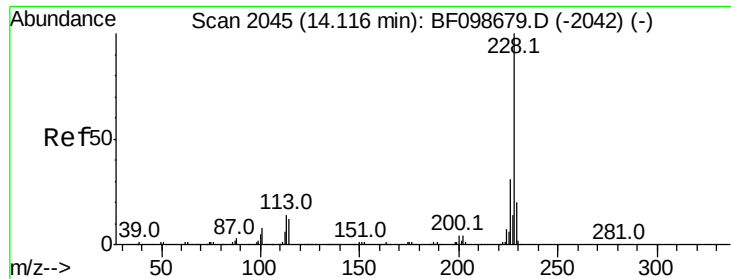
Delta R.T. 0.01 min

Lab File: BF098980.D

Acq: 30 Sep 2017 23:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	36.1	22.6	33.8#
229	21.2	15.8	23.6





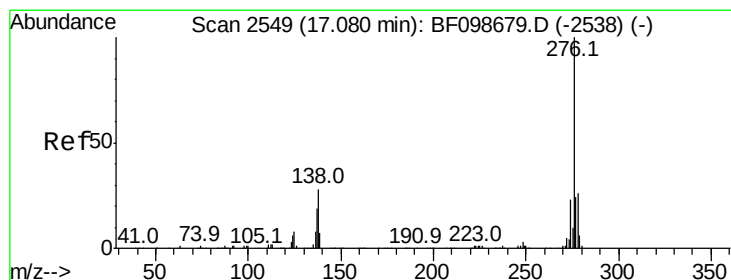
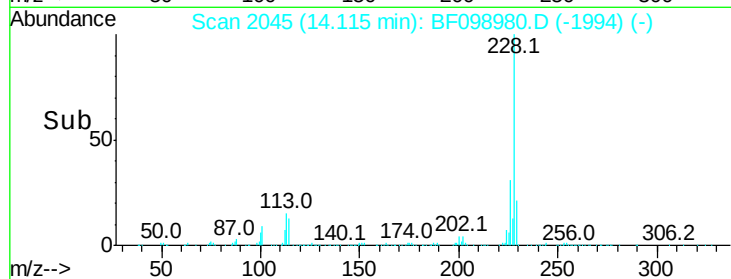
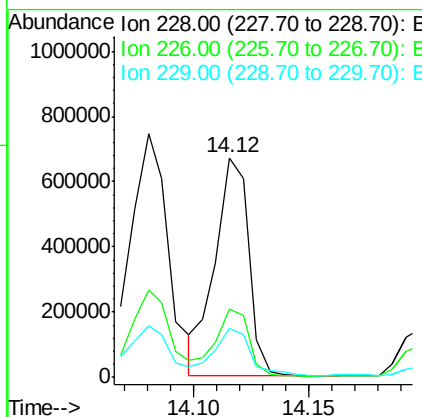
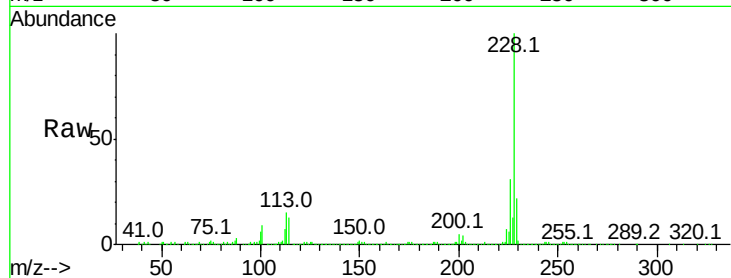
#82
Chrysene
Concen: 54.691 ng
RT: 14.12 min Scan# 2045
Delta R.T. -0.00 min
Lab File: BF098980.D
Acq: 30 Sep 2017 23:21

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-7

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	22.3	16.2	24.4

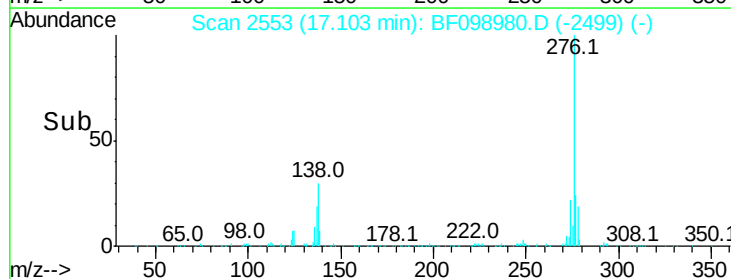
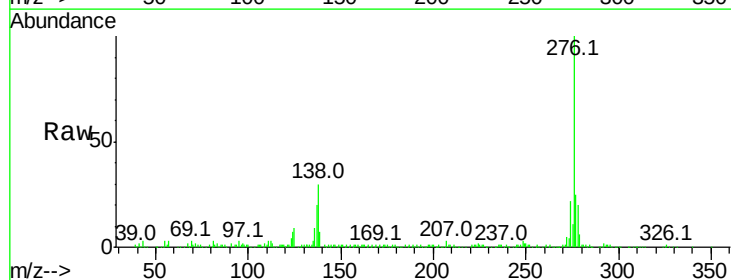
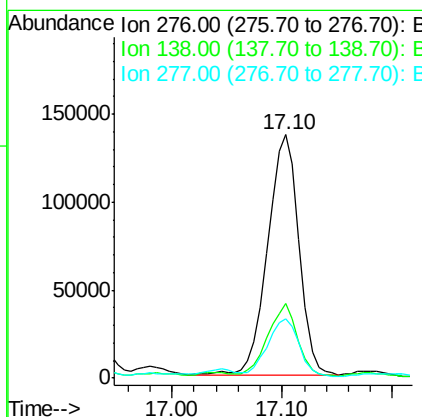
Manual Integrations
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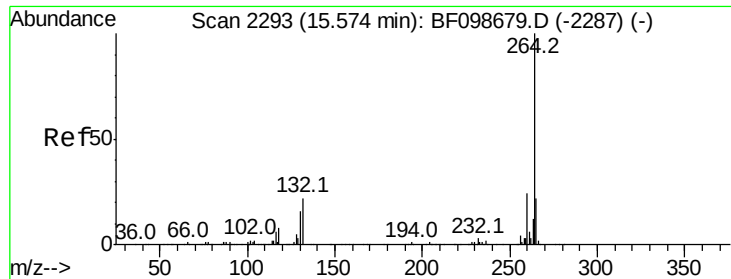
Sohil
10/2/2017 5:44:47 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 27.171 ng
RT: 17.10 min Scan# 2553
Delta R.T. 0.02 min
Lab File: BF098980.D
Acq: 30 Sep 2017 23:21

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.3	25.0	37.6
277	24.0	20.1	30.1





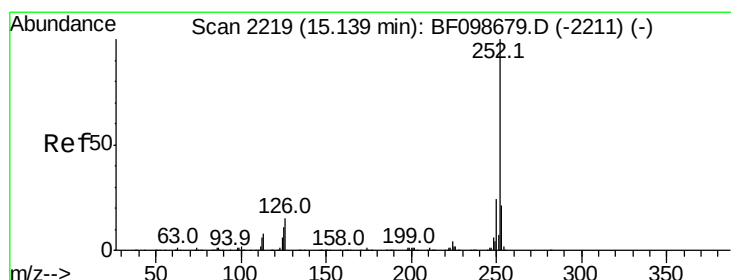
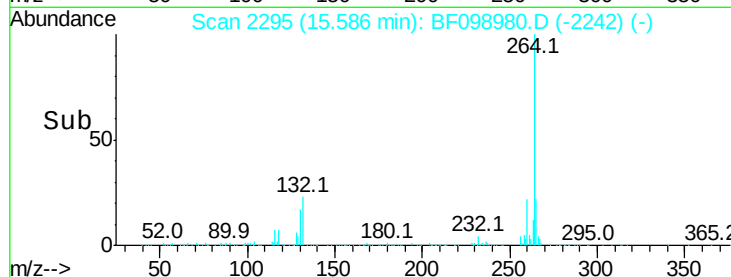
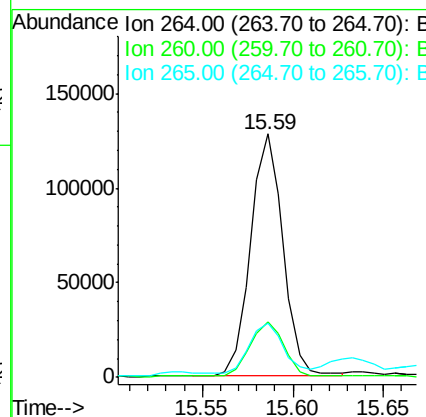
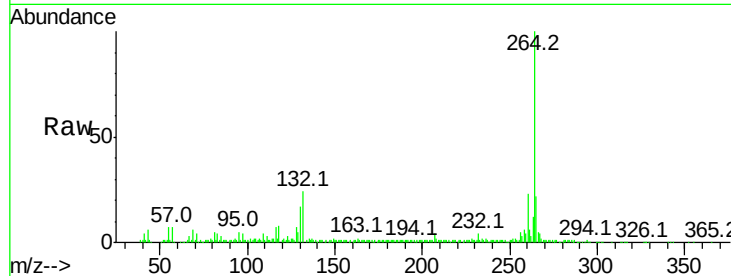
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.59 min Scan# 2295
Delta R.T. 0.01 min
Lab File: BF098980.D
Acq: 30 Sep 2017 23:21

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-7

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	22.8	19.2	28.8	
265	22.4	17.5	26.3	

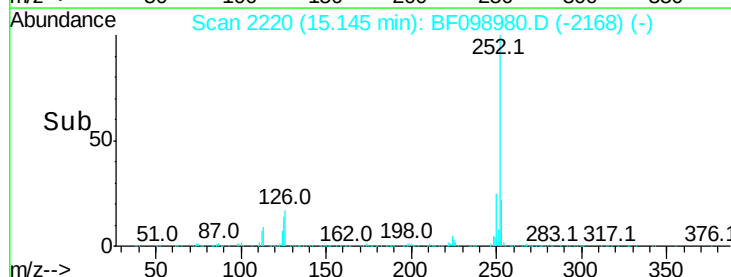
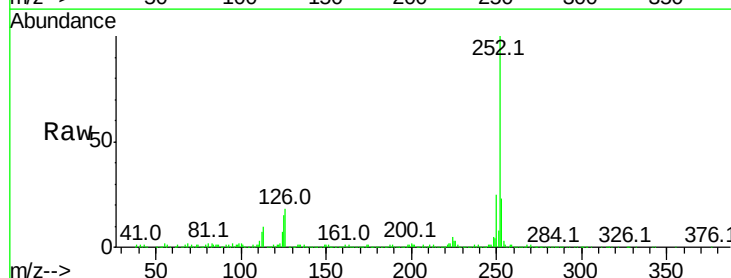
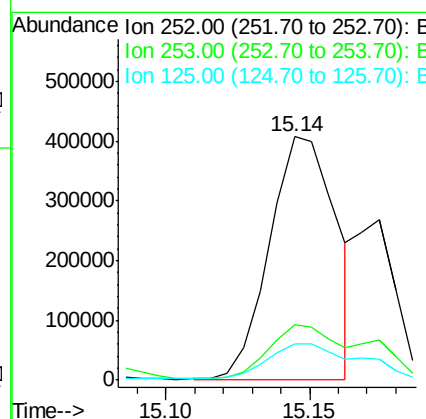
Manual Integrations
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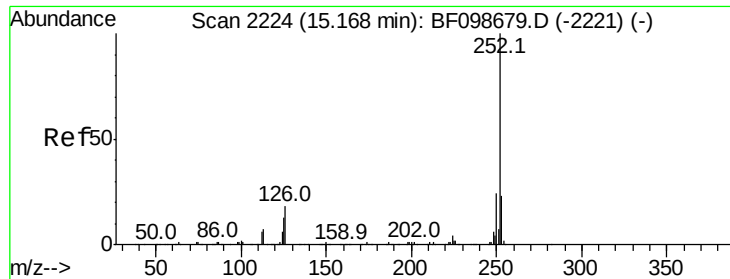
Sohil
10/2/2017 5:44:47 PM



#87
Benzo(b)fluoranthene
Concen: 68.004 ng m
RT: 15.14 min Scan# 2220
Delta R.T. 0.01 min
Lab File: BF098980.D
Acq: 30 Sep 2017 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	22.7	17.0	25.6	
125	15.0	9.0	13.6#	





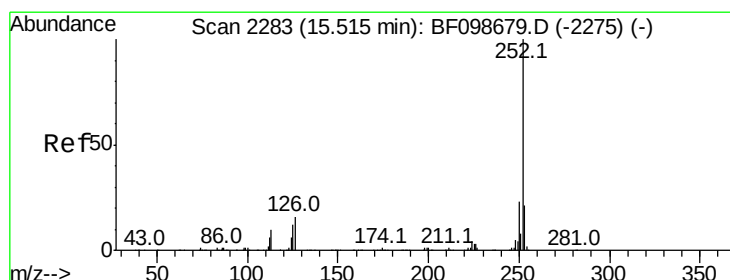
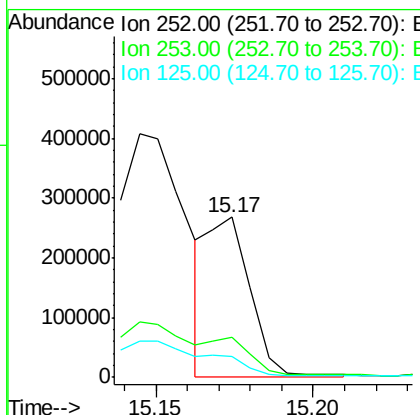
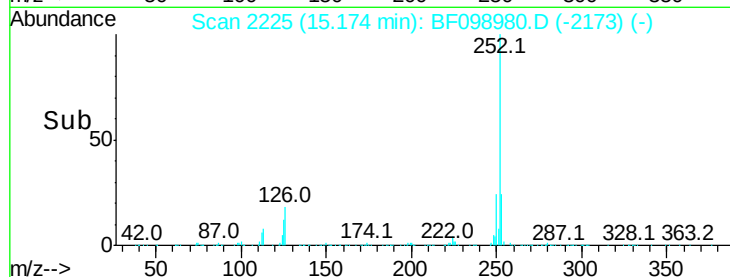
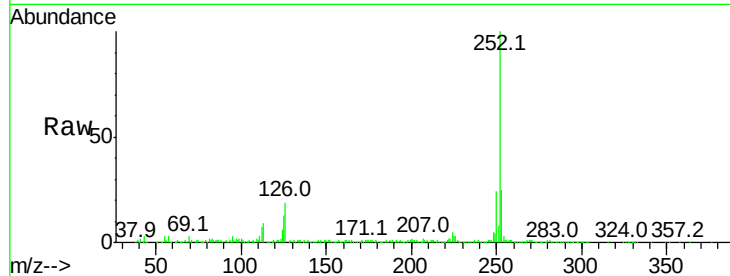
#88
Benzo(k)fluoranthene
Concen: 26.643 ng m
RT: 15.17 min Scan# 2225
Delta R.T. 0.01 min
Lab File: BF098980.D
Acq: 30 Sep 2017 23:21

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-7

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.9	26.9
125	13.3	10.2	15.2

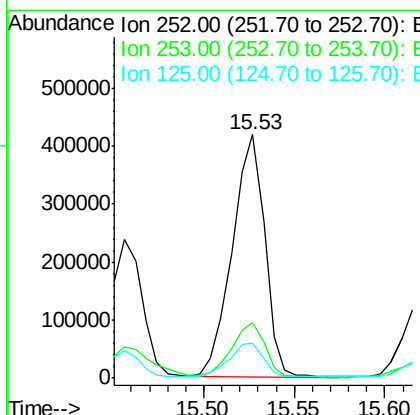
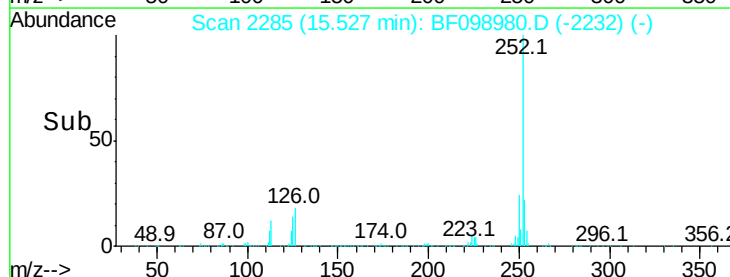
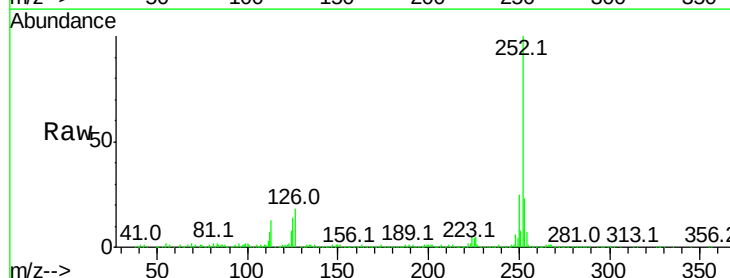
Manual Integrations
APPROVED

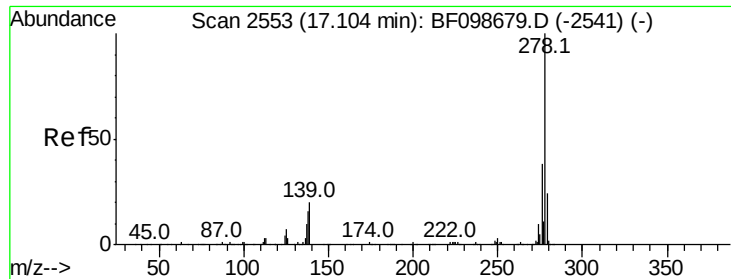
Sohil
10/2/2017 5:44:47 PM



#89
Benzo(a)pyrene
Concen: 59.061 ng
RT: 15.53 min Scan# 2285
Delta R.T. 0.01 min
Lab File: BF098980.D
Acq: 30 Sep 2017 23:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	14.4	9.8	14.6





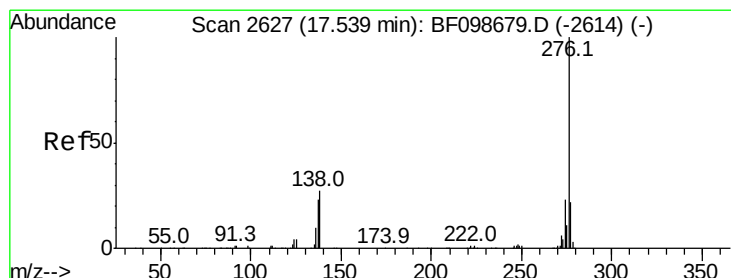
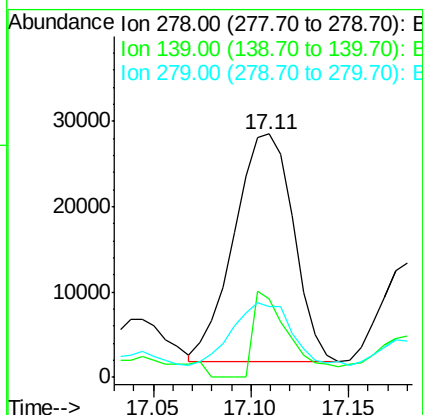
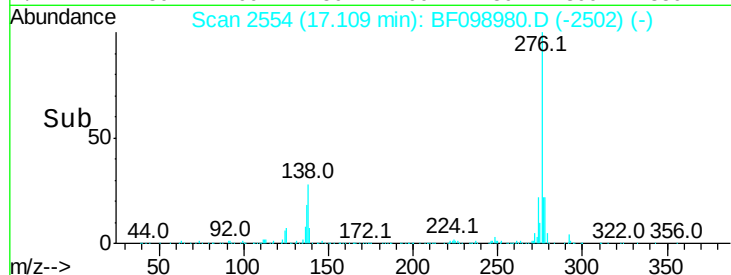
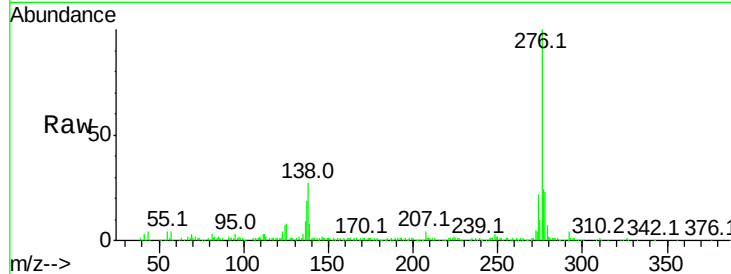
#90
Dibenzo(a,h)anthracene
Concen: 7.874 ng
RT: 17.11 min Scan# 2554
Delta R.T. 0.01 min
Lab File: BF098980.D
Acq: 30 Sep 2017 23:21

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-7

Tot Ion	Ratio	Lower	Upper
278	100		
139	32.4	15.9	23.9#
279	29.2	19.0	28.4#

Manual Integrations
APPROVED

Sohil
10/2/2017 5:44:47 PM



#91
Benzo(g,h,i)perylene
Concen: 36.848 ng
RT: 17.57 min Scan# 2632
Delta R.T. 0.02 min
Lab File: BF098980.D
Acq: 30 Sep 2017 23:21

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	17.9	26.9
138	30.4	21.8	32.8

