

Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
 Data File : BF098978.D
 Acq On : 30 Sep 2017 22:26
 Operator : SJ/JU
 Sample : I5563-04 10X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-SB-ESMI-4

Manual Integrations
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Sohil
 10/2/2017 5:44:43 PM

Quant Time: Oct 01 01:27:34 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	130446	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	479135	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	177437	20.00	ng	0.00
63) Phenanthrene-d10	11.44	188	279186	20.00	ng	0.00
75) Chrysene-d12	14.09	240	229344	20.00	ng	0.00
86) Perylene-d12	15.59	264	166832	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	93190	11.37	ng	-0.01
7) Phenol-d6	6.53	99	116528	11.53	ng	-0.01
23) Nitrobenzene-d5	7.47	82	66492	8.90	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	14118	9.72	ng	0.00
44) 2-Fluorobiphenyl	9.27	172	127406	11.99	ng	-0.01
78) Terphenyl-d14	13.02	244	95656	9.49	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.23	128	1810871	80.472	ng	99
37) 2-Methylnaphthalene	8.91	142	365205	24.965	ng	99
45) 1,1'-Biphenyl	9.37	154	145513	9.542	ng	96
48) Acenaphthylene	9.82	152	126333	7.208	ng	98
51) Acenaphthene	9.99	154	547195	49.284	ng	99
54) Dibenzofuran	10.16	168	473860	32.054	ng	99
57) Fluorene	10.50	166	459115	38.639	ng	99
70) Phenanthrene	11.48	178	2049667	137.156	ng	99
71) Anthracene	11.53	178	984937	64.415	ng	100
72) Carbazole	11.67	167	207492	13.857	ng	100
74) Fluoranthene	12.67	202	1915190	126.561	ng	100
77) Pylene	12.90	202	1675621	95.814	ng	99
80) Benzo(a)anthracene	14.08	228	778921m	56.089	ng	
82) Chrysene	14.12	228	585859	44.311	ng	98
85) Indeno(1,2,3-cd)pyrene	17.10	276	203375	19.229	ng	98
87) Benzo(b)fluoranthene	15.14	252	573565m	55.917	ng	
88) Benzo(k)fluoranthene	15.17	252	184046m	18.166	ng	
89) Benzo(a)pyrene	15.52	252	418164	44.412	ng	# 95
90) Dibenzo(a,h)anthracene	17.10	278	45434	6.029	ng	# 78
91) Benzo(a,h,i)perylene	17.56	276	191473	25.706	ng	98

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

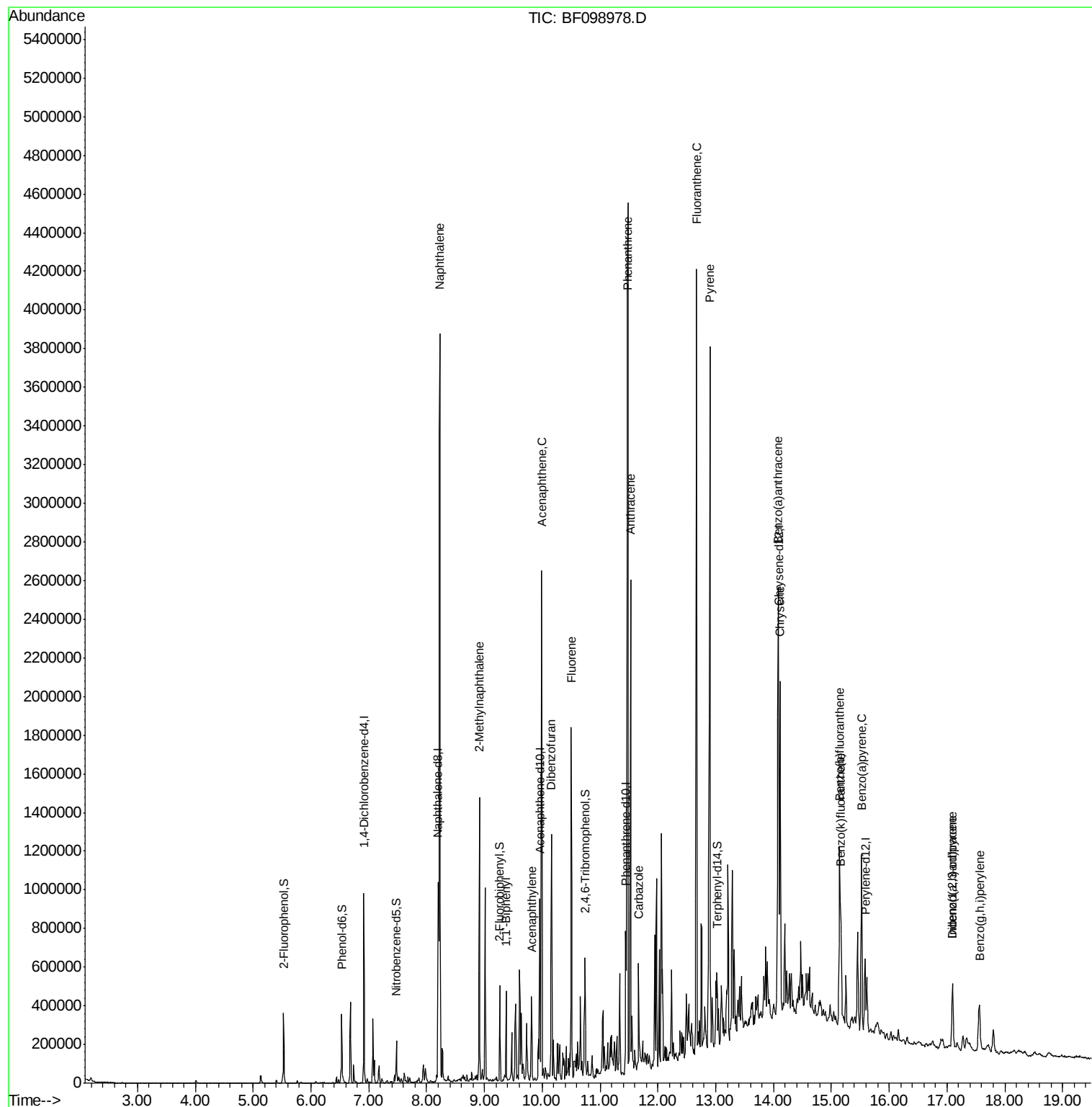
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#1

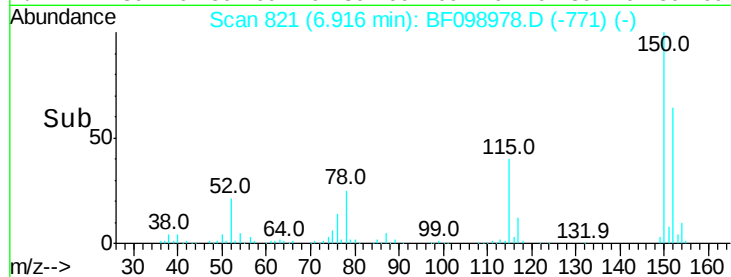
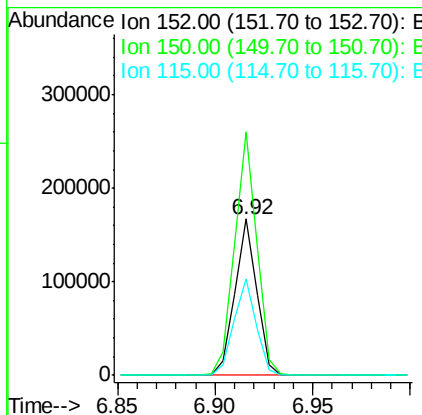
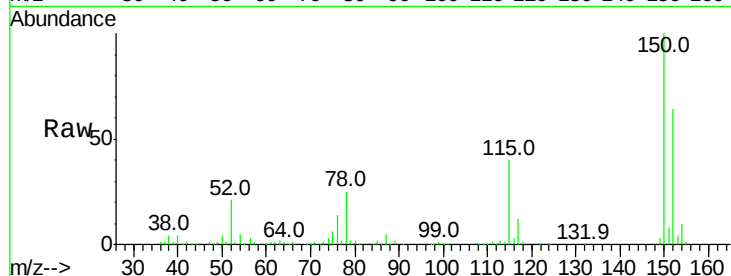
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098978.D
Acq: 30 Sep 2017 22:26

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	124.6	186.8
115	61.8	50.1	75.1

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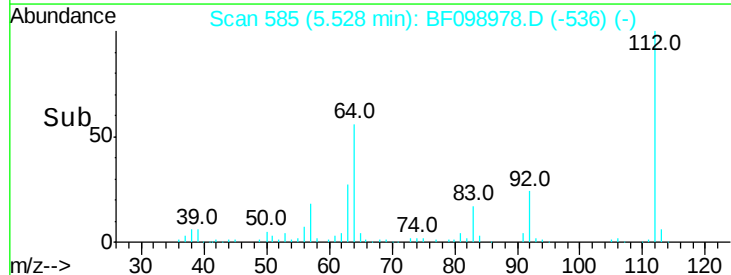
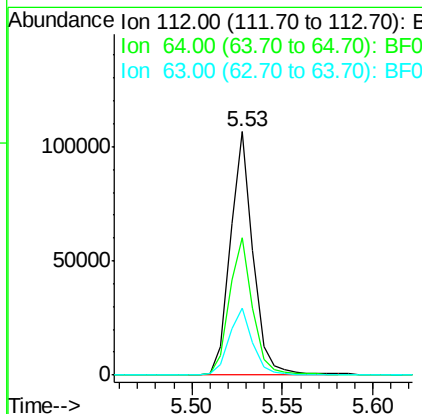
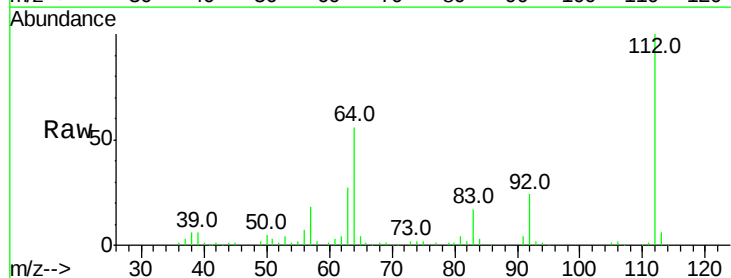
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#5

2-Fluorophenol
Concen: 11.372 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF098978.D
Acq: 30 Sep 2017 22:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.3	47.9	71.9
63	27.5	23.7	35.5





#7

Phenol-d6

Concen: 11.528 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF098978.D

Acq: 30 Sep 2017 22:26

Instrument :

BNA_F

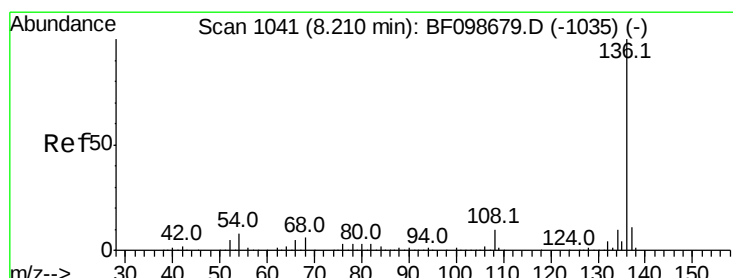
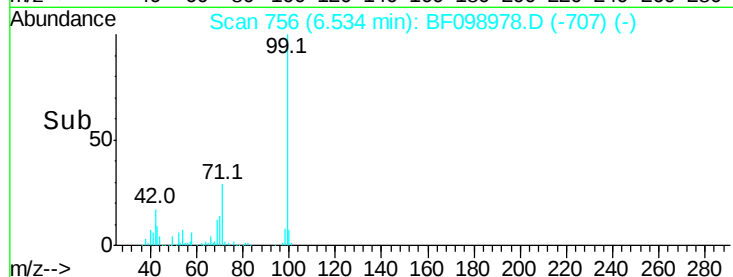
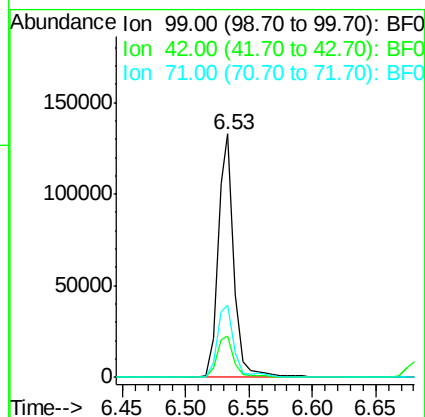
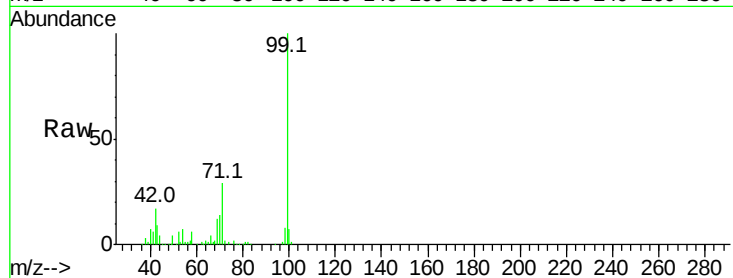
ClientSampleId :

NYSEG-PH4-SB-ESMI-4

Tot Ion:	99	Resp:	116528
Ion Ratio	Lower	Upper	
99	100		
42	16.8	14.5	21.7
71	29.5	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

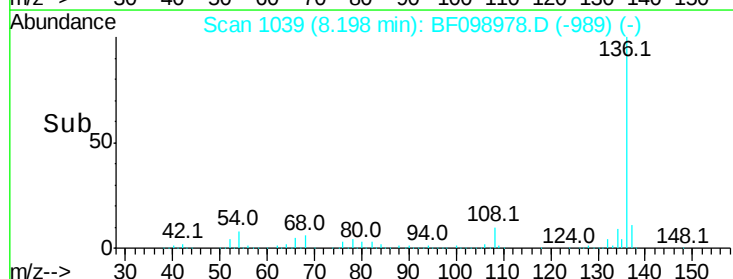
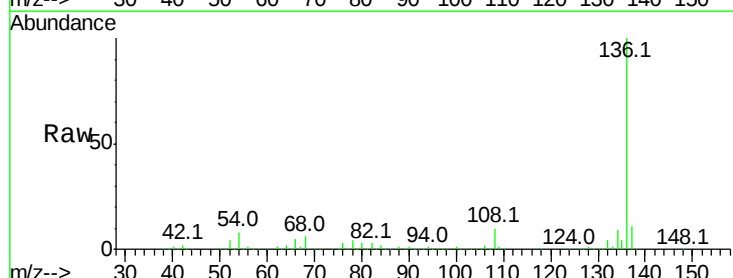
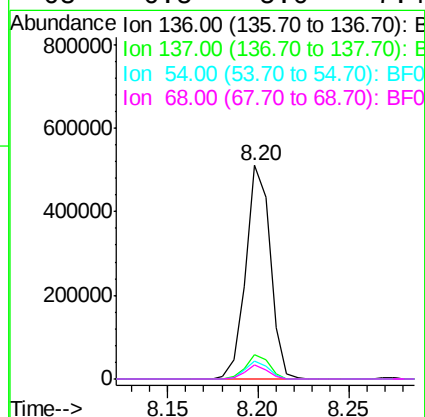
RT: 8.20 min Scan# 1039

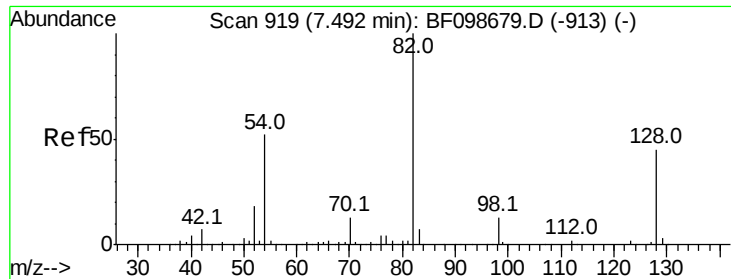
Delta R.T. -0.01 min

Lab File: BF098978.D

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Tgt Ion:	136	Resp:	479135
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	8.1	6.6	9.8
68	6.5	5.0	7.4





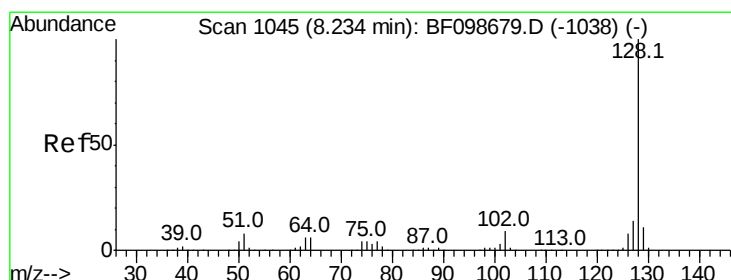
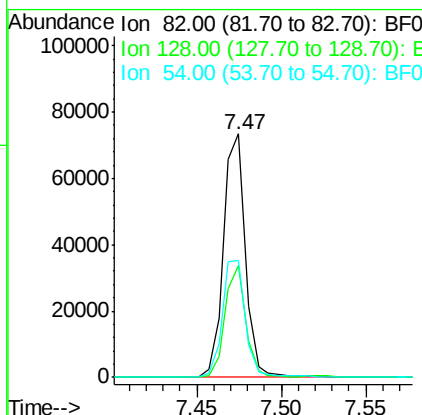
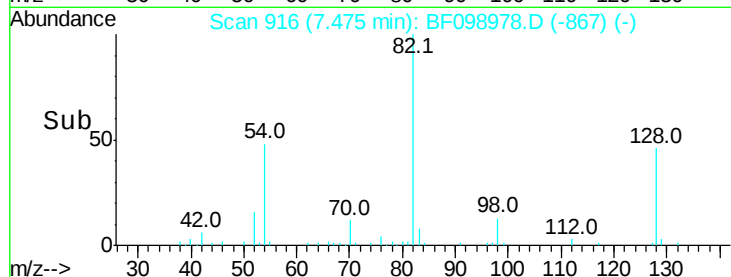
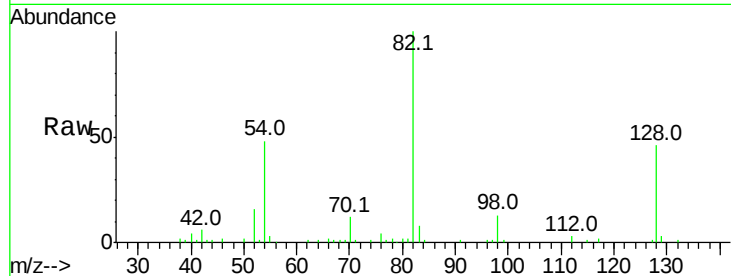
#23
Nitrobenzene-d5
Concen: 8.900 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.01 min
Lab File: BF098978.D
Acq: 30 Sep 2017 22:26

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-4

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.9	36.1	54.1
54	48.0	41.4	62.2

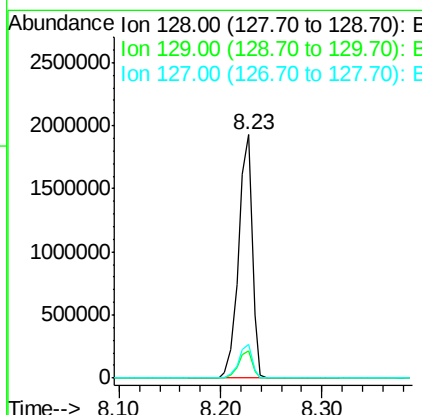
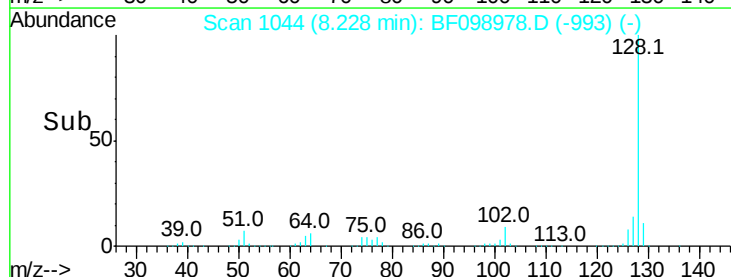
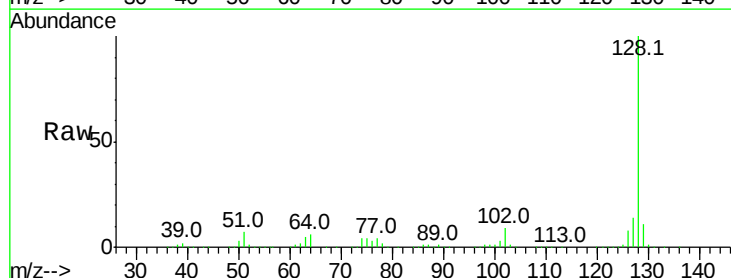
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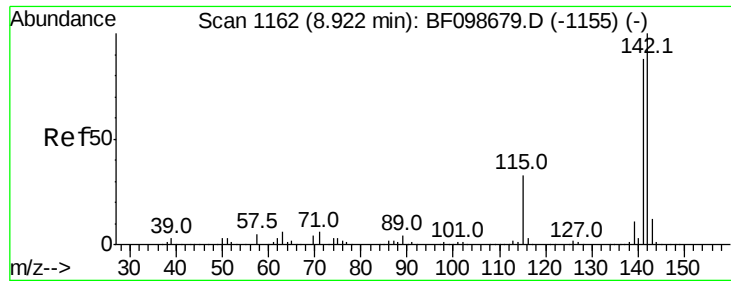
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#31
Naphthalene
Concen: 80.472 ng
RT: 8.23 min Scan# 1044
Delta R.T. -0.00 min
Lab File: BF098978.D
Acq: 30 Sep 2017 22:26

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.8	13.2
127	14.0	10.9	16.3





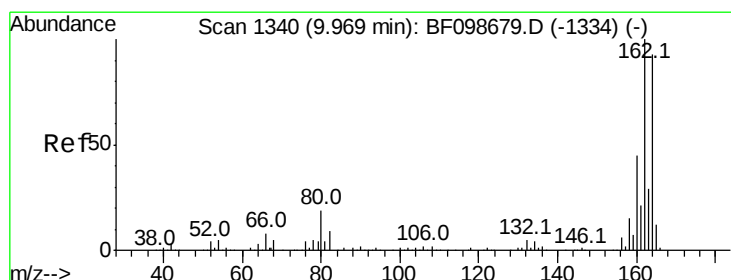
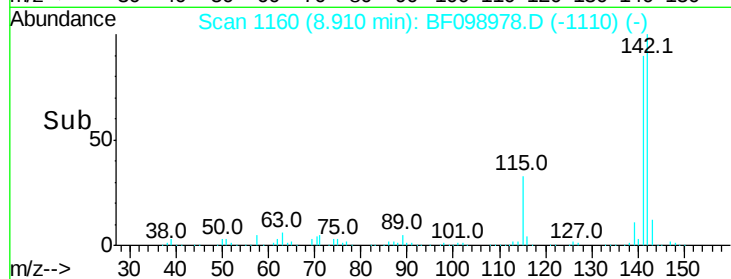
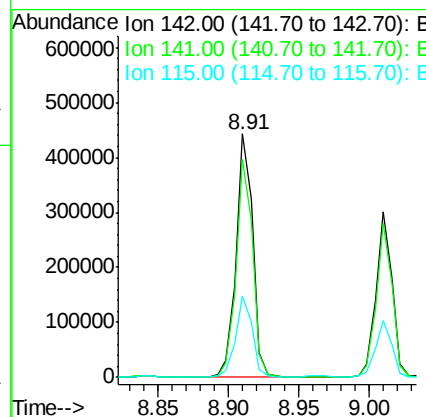
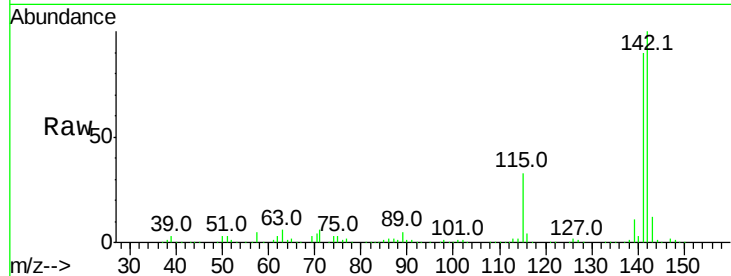
#37
2-Methylnaphthalene
Concen: 24.965 ng
RT: 8.91 min Scan# 1160
Delta R.T. -0.01 min
Lab File: BF098978.D
Acq: 30 Sep 2017 22:26

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-4

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.5	70.8	106.2
115	33.4	26.1	39.1

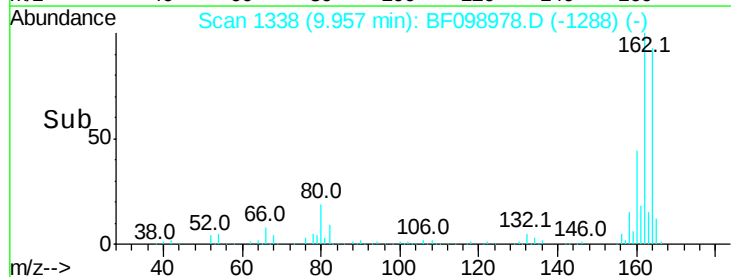
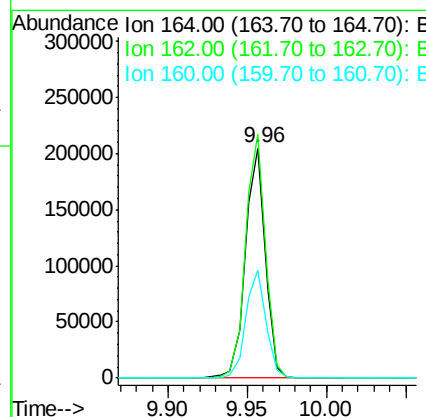
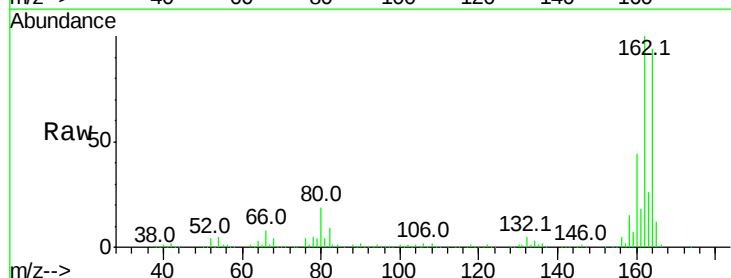
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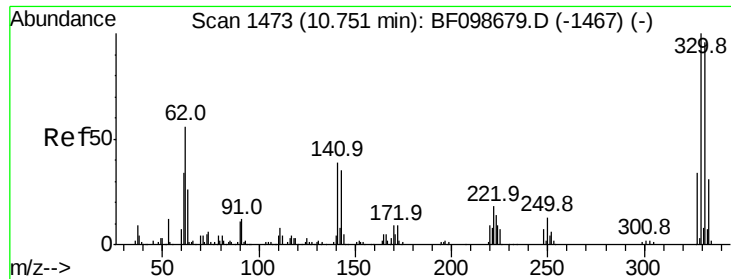
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.96 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF098978.D
Acq: 30 Sep 2017 22:26

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.0	86.1	129.1
160	46.8	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 9.724 ng

RT: 10.74 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BF098978.D

Acq: 30 Sep 2017 22:26

Instrument :

BNA_F

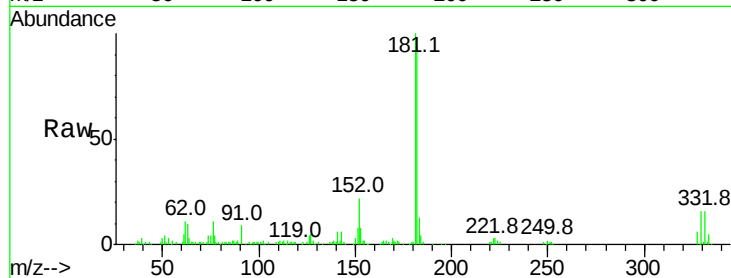
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NYSEG-PH4-SB-ESMI-4

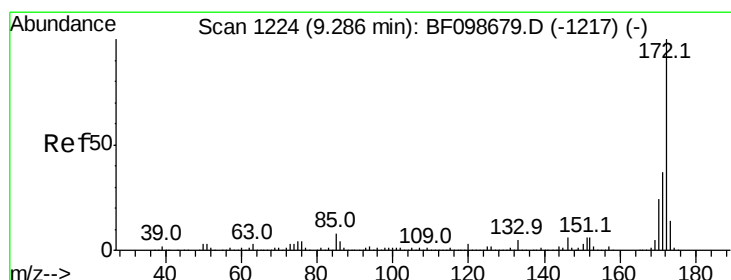
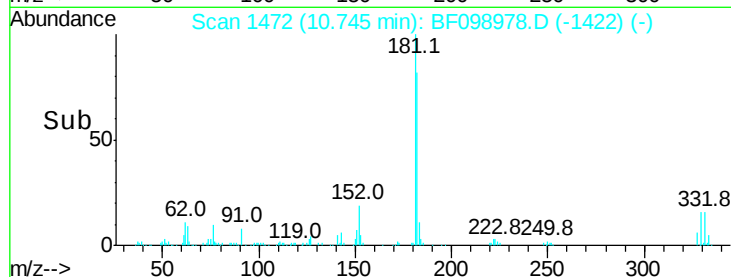
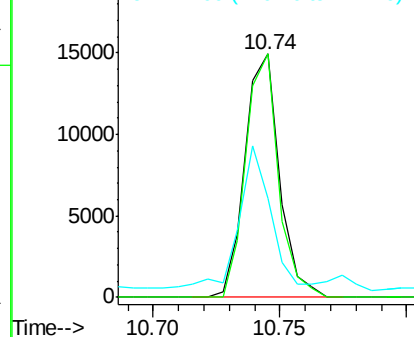
Tot Ion:	330	Resp:	14118
Ion Ratio	Lower	Upper	
330	100		
332	94.9	77.0	115.6
141	52.6	29.9	44.9#

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 11.987 ng

RT: 9.27 min Scan# 1221

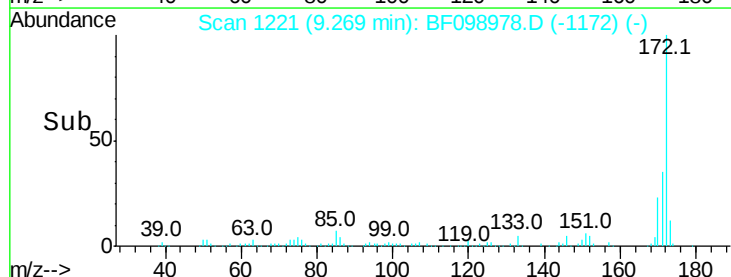
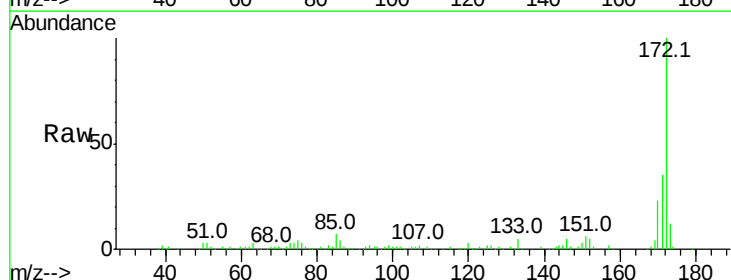
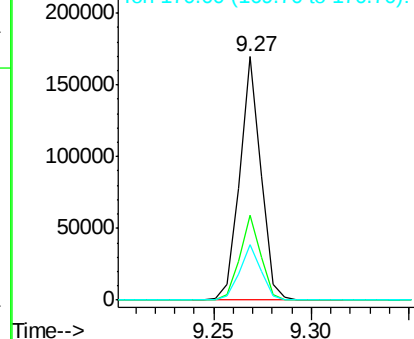
Delta R.T. -0.01 min

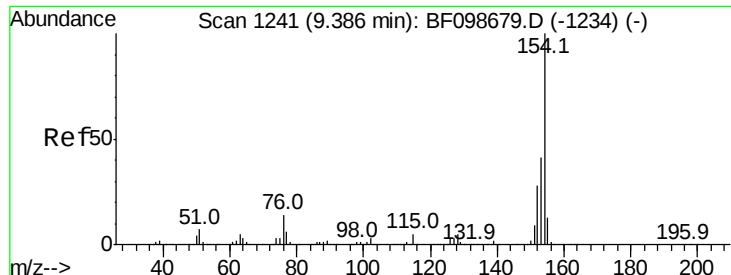
Lab File: BF098978.D

Acq: 30 Sep 2017 22:26

Tgt Ion:	172	Resp:	127406
Ion Ratio	Lower	Upper	
172	100		
171	34.7	29.7	44.5
170	22.9	19.6	29.4

Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





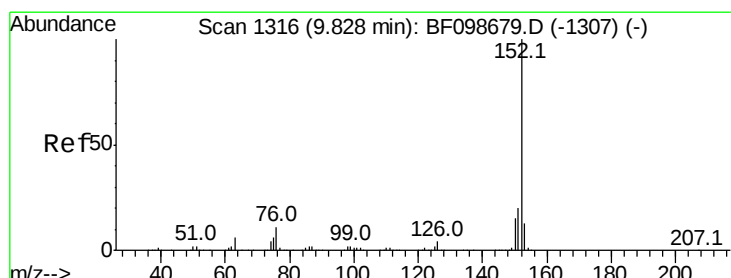
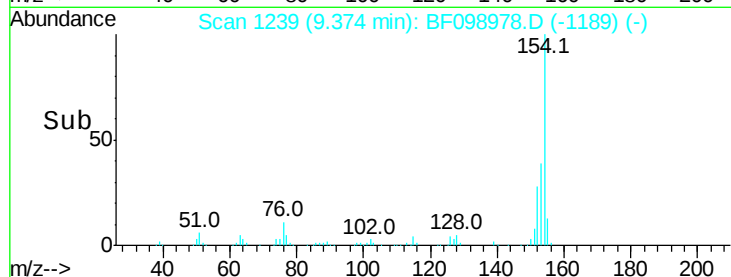
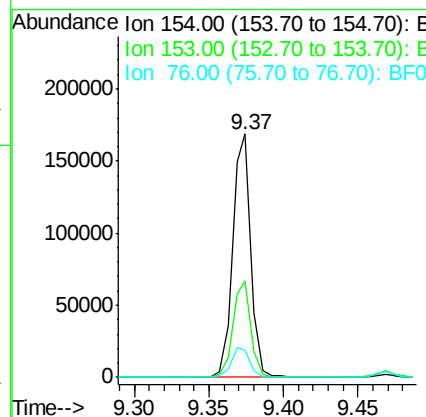
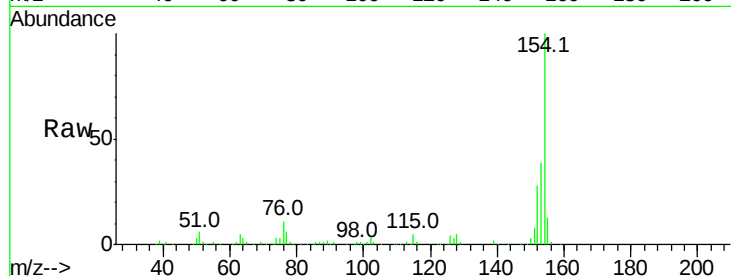
#45
 1,1'-Biphenyl
 Concen: 9.542 ng
 RT: 9.37 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: BF098978.D
 Acq: 30 Sep 2017 22:26

Instrument :
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 ClientSampleId :
 NYSEG-PH4-SB-ESMI-4

Tot Ion	Ratio	Resp	Lower	Upper
154	100			
153	39.4	21.3	61.3	
76	11.2	0.0	34.0	

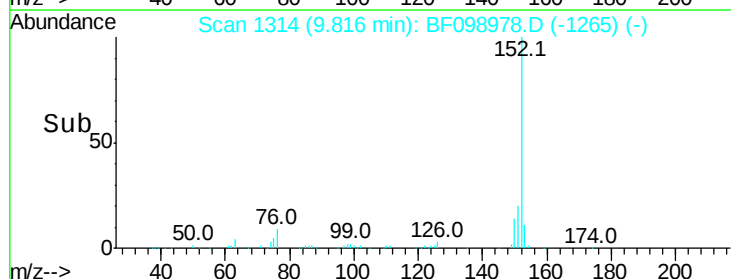
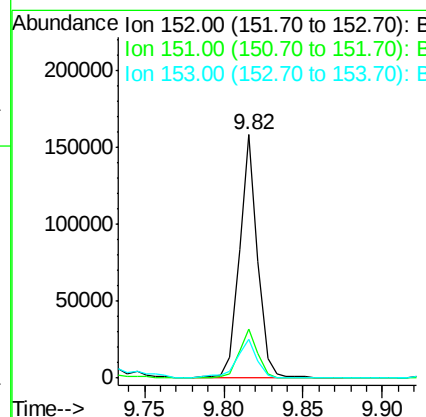
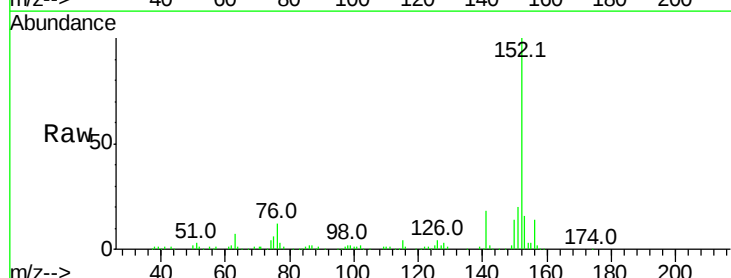
Manual Integrations
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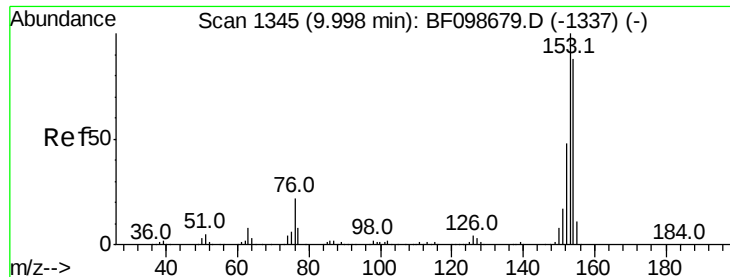
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#48
 Acenaphthylene
 Concen: 7.208 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: BF098978.D
 Acq: 30 Sep 2017 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
152	100			
151	20.4	16.3	24.5	
153	15.7	10.7	16.1	





#51

Acenaphthene

Concen: 49.284 ng

RT: 9.99 min Scan# 1344

Delta R.T. -0.01 min

Lab File: BF098978.D

Acq: 30 Sep 2017 22:26

Instrument :

BNA_F

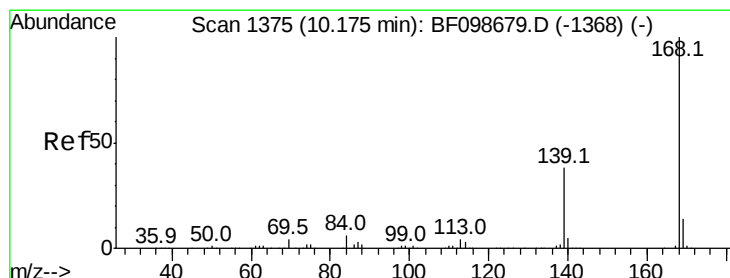
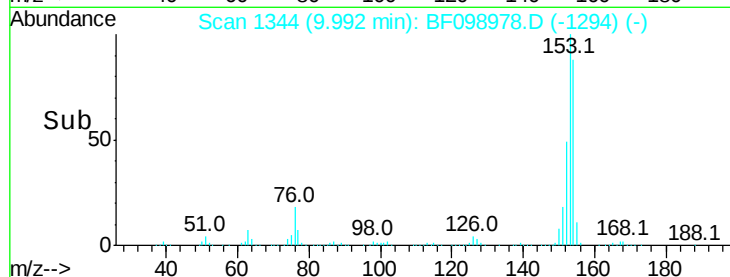
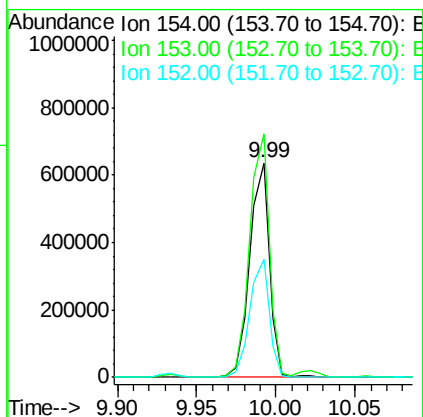
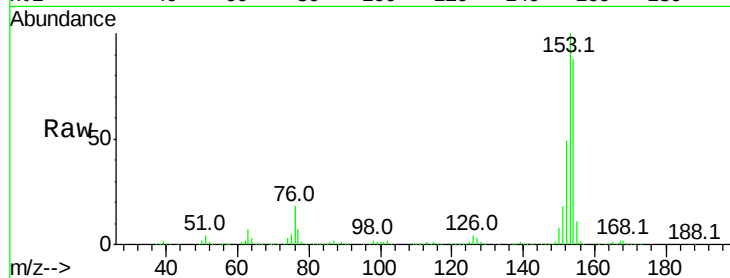
ClientSampleId :

NYSEG-PH4-SB-ESMI-4

Tot Ion:154	Resp:	547195
Ion Ratio	Lower	Upper
154	100	
153	113.4	91.2 136.8
152	55.3	43.8 65.8

Manual Integrations
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#54

Dibenzofuran

Concen: 32.054 ng

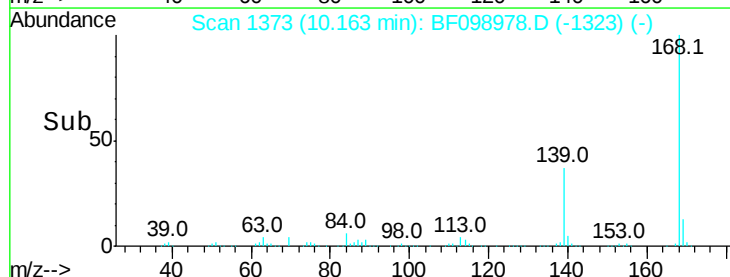
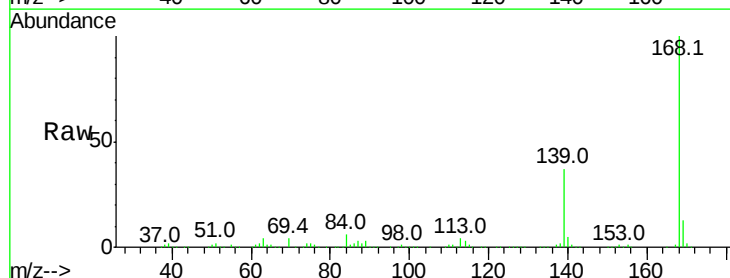
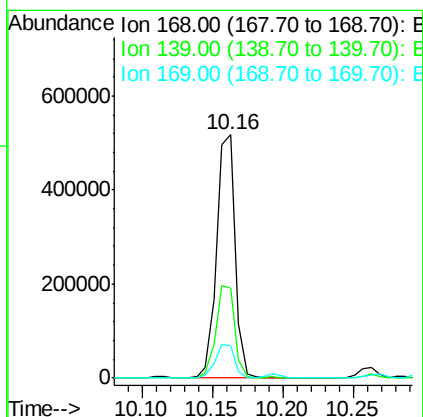
RT: 10.16 min Scan# 1373

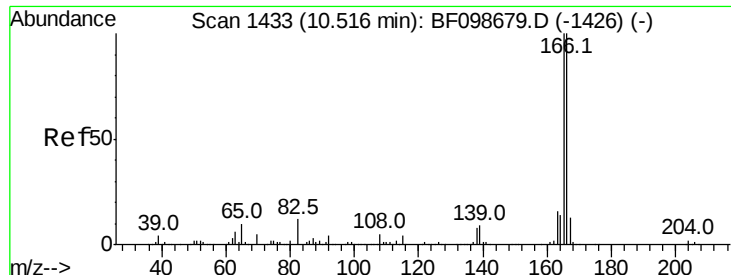
Delta R.T. -0.01 min

Lab File: BF098978.D

Acq: 30 Sep 2017 22:26

Tgt Ion:168	Resp:	473860
Ion Ratio	Lower	Upper
168	100	
139	36.9	30.1 45.1
169	13.5	10.9 16.3





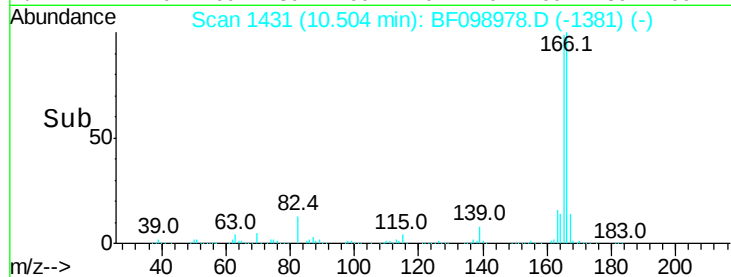
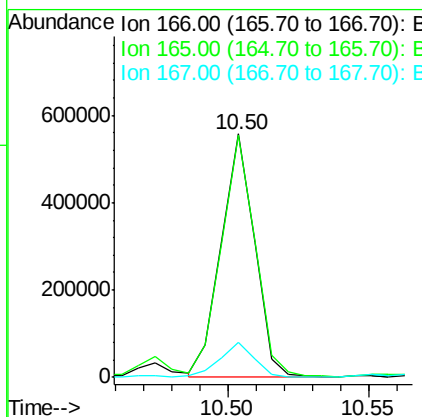
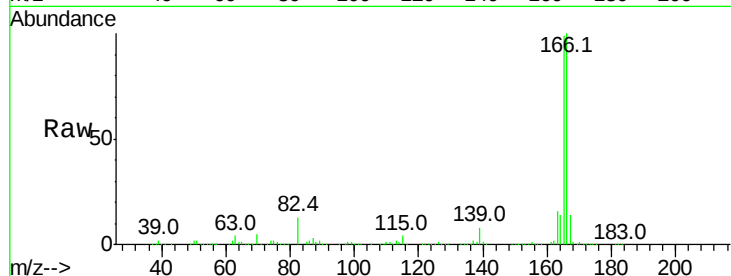
#57
Fluorene
 Concen: 38.639 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: BF098978.D
 Acq: 30 Sep 2017 22:26

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-SB-ESMI-4

Tot Ion	Ratio	Resp	Lower	Upper
166	100	459115		
165	99.4	79.8	119.8	
167	14.1	10.6	16.0	

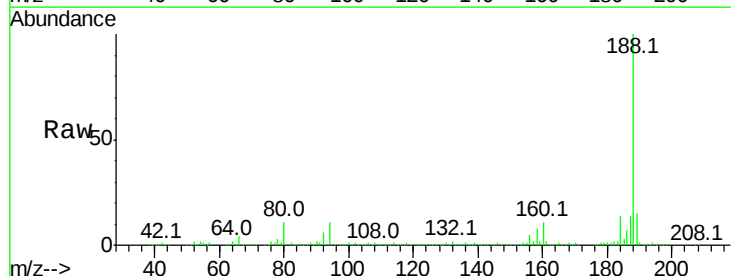
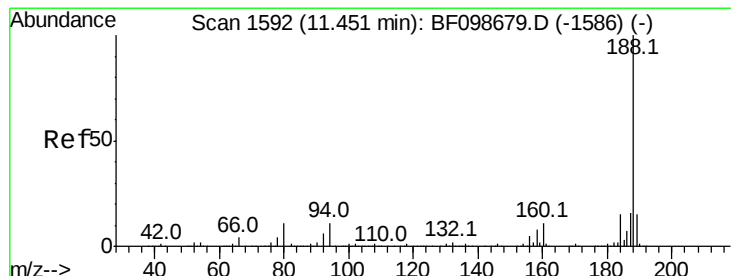
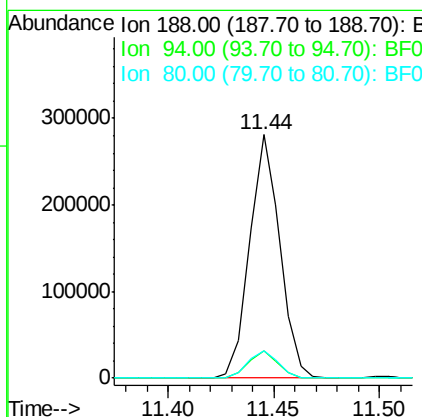
Manual Integrations
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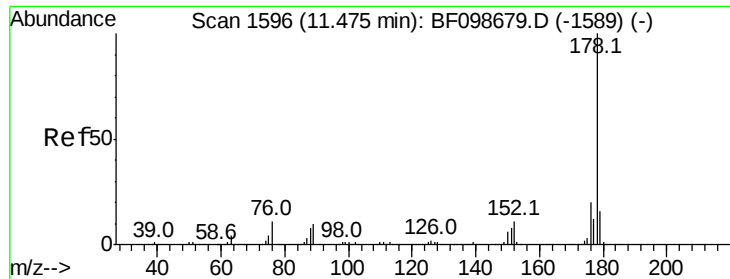
Sohil
 10/2/2017 5:44:43 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.44 min Scan# 1591
 Delta R.T. -0.00 min
 Lab File: BF098978.D
 Acq: 30 Sep 2017 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	279186		
94	11.1	8.5	12.7	
80	11.2	9.2	13.8	





#70

Phenanthrene

Concen: 137.156 ng

RT: 11.48 min Scan# 1597

Delta R.T. 0.01 min

Lab File: BF098978.D

Acq: 30 Sep 2017 22:26

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-SB-ESMI-4

Tot Ion:178 Resp: 2049667

Ion Ratio Lower Upper

178 100

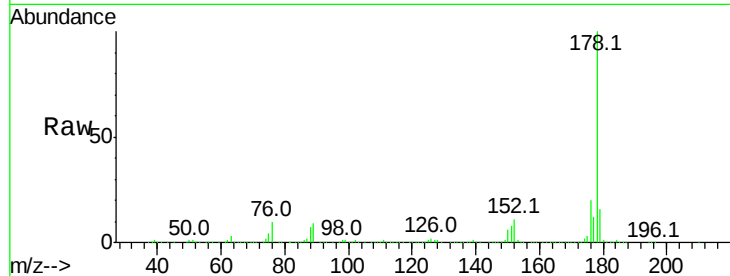
176 20.2 15.8 23.8

179 15.9 13.0 19.6

Manual Integrations
APPROVED

Sohil

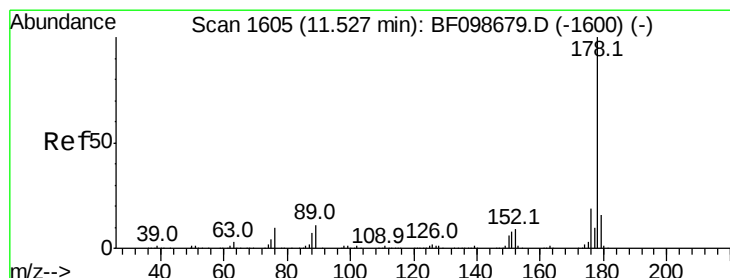
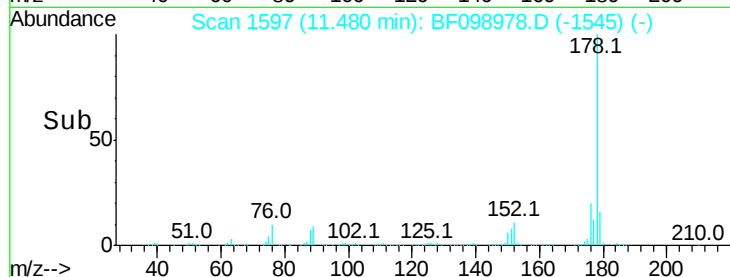
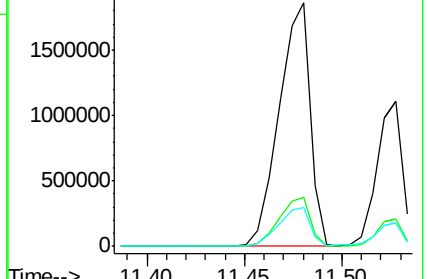
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 64.415 ng

RT: 11.53 min Scan# 1605

Delta R.T. -0.00 min

Lab File: BF098978.D

Acq: 30 Sep 2017 22:26

Tgt Ion:178 Resp: 984937

Ion Ratio Lower Upper

178 100

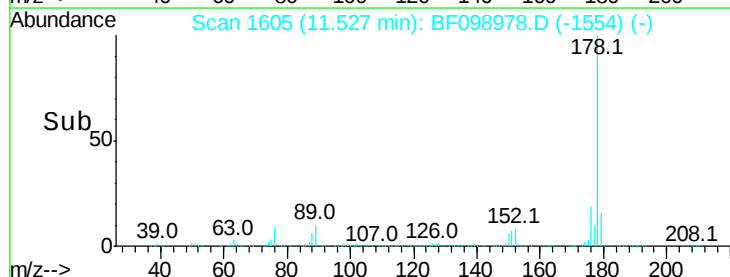
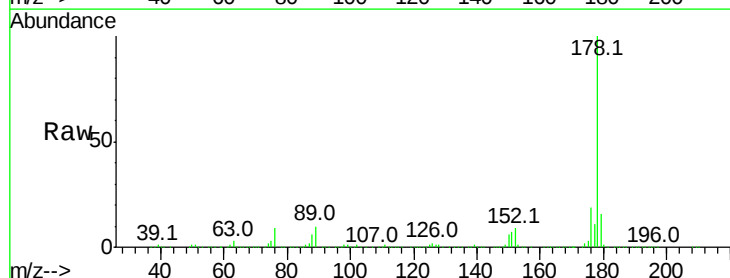
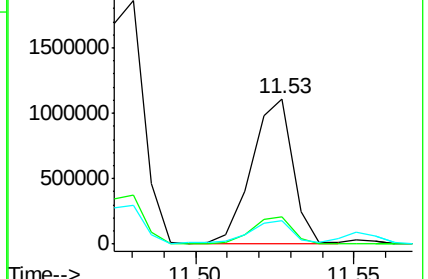
176 19.2 15.4 23.2

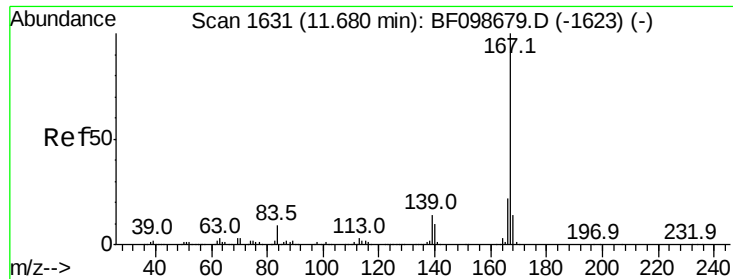
179 15.8 12.6 19.0

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





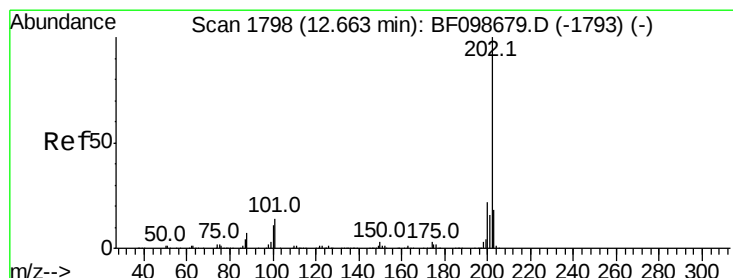
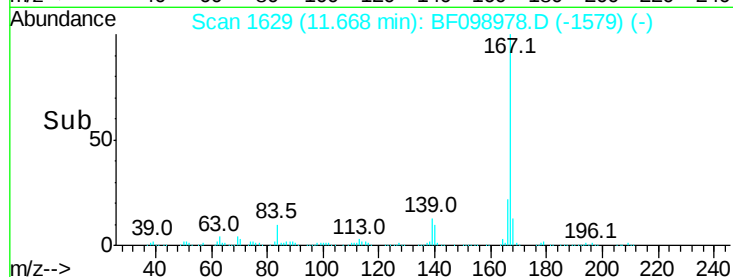
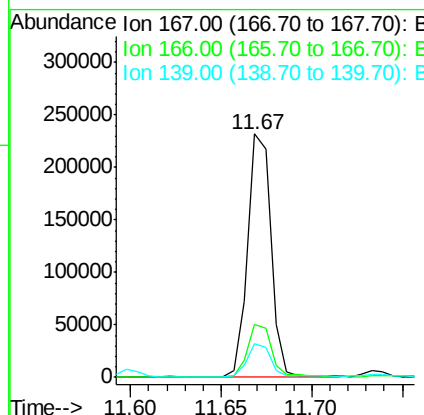
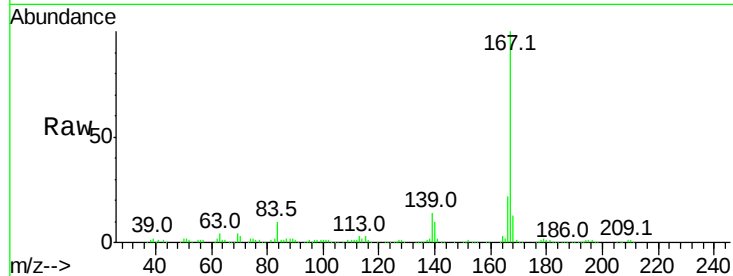
#72
 Carbazole
 Concen: 13.857 ng
 RT: 11.67 min Scan# 1629
 Delta R.T. -0.01 min
 Lab File: BF098978.D
 Acq: 30 Sep 2017 22:26

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-SB-ESMI-4

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.6	26.4
139	13.6	10.9	16.3

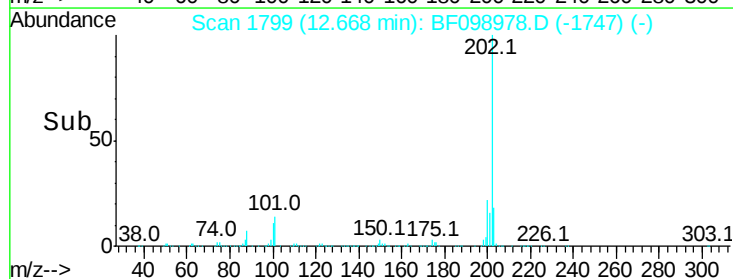
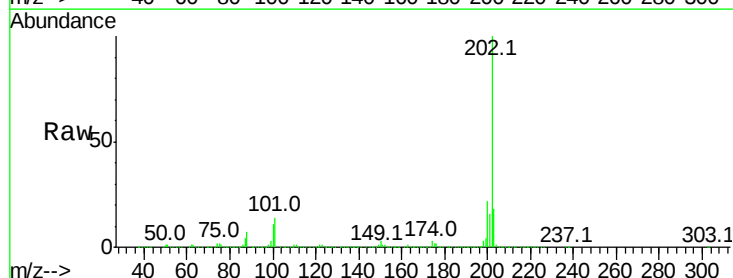
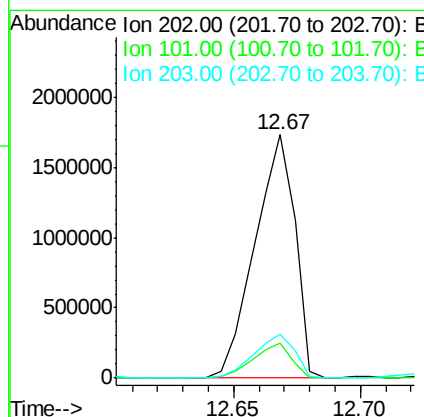
Manual Integrations
 APPROVED

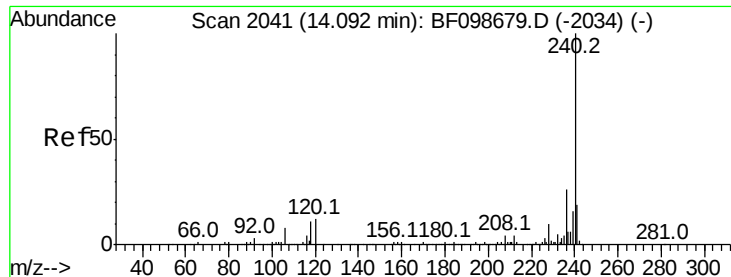
Sohil
 10/2/2017 5:44:43 PM



#74
 Fluoranthene
 Concen: 126.561 ng
 RT: 12.67 min Scan# 1799
 Delta R.T. 0.01 min
 Lab File: BF098978.D
 Acq: 30 Sep 2017 22:26

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.2	0.0	34.1
203	18.1	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: BF098978.D

Acq: 30 Sep 2017 22:26

Instrument :

BNA_F

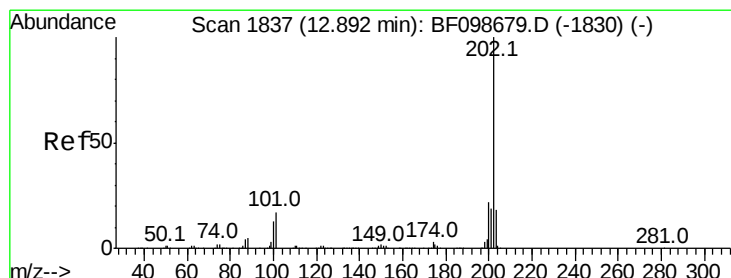
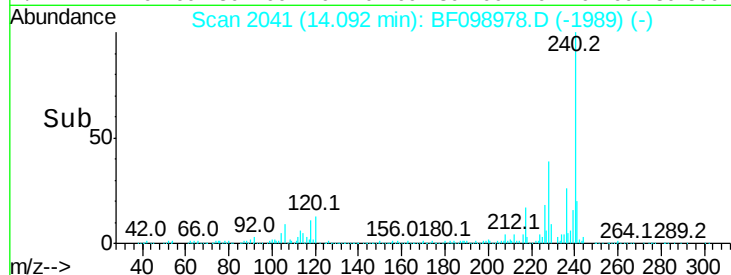
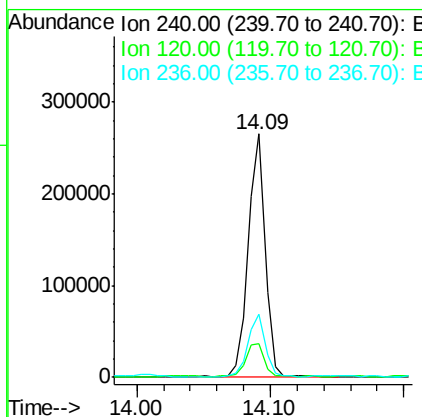
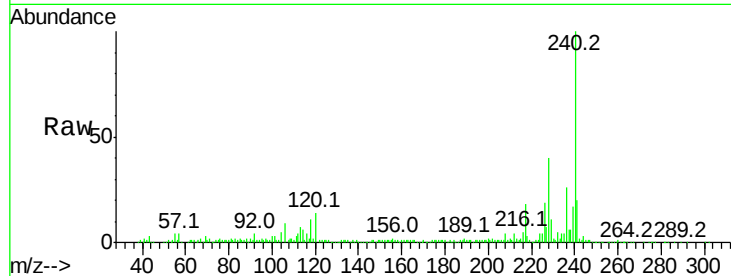
ClientSampleId :

NYSEG-PH4-SB-ESMI-4

Tot Ion:	240	Resp:	229344
Ion Ratio	Lower	Upper	
240	100		
120	13.6	9.5	14.3
236	26.0	20.7	31.1

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#77

Pyrene

Concen: 95.814 ng

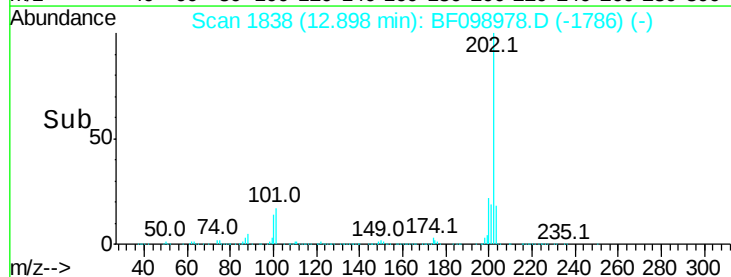
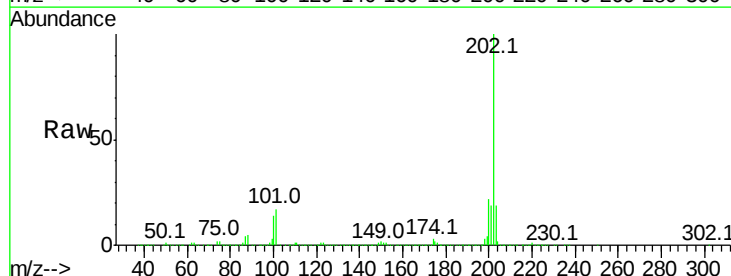
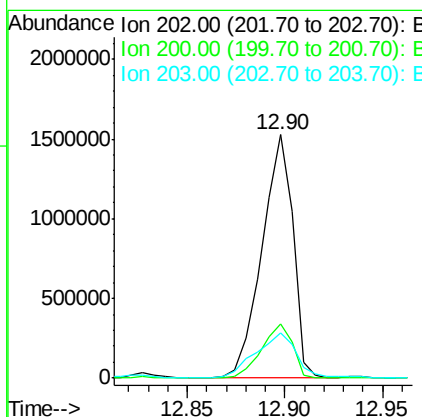
RT: 12.90 min Scan# 1838

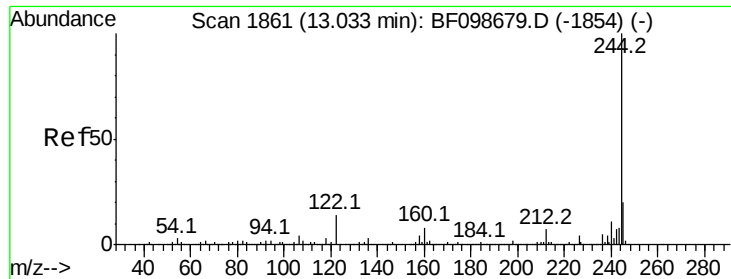
Delta R.T. 0.01 min

Lab File: BF098978.D

Acq: 30 Sep 2017 22:26

Tgt Ion:	202	Resp:	1675621
Ion Ratio	Lower	Upper	
202	100		
200	22.1	17.4	26.2
203	18.5	14.3	21.5





#78

Terphenyl-d14

Concen: 9.485 ng

RT: 13.02 min Scan# 1859

Delta R.T. -0.01 min

Lab File: BF098978.D

Acq: 30 Sep 2017 22:26

Instrument :

BNA_F

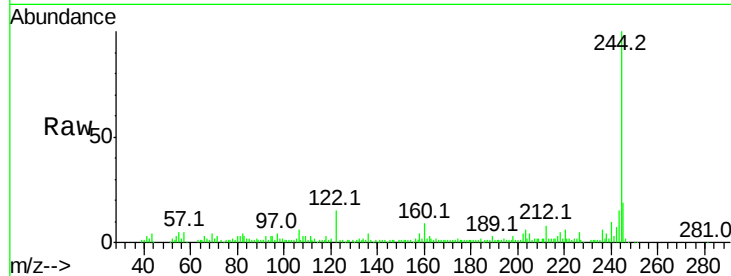
ClientSampleId :

NYSEG-PH4-SB-ESMI-4

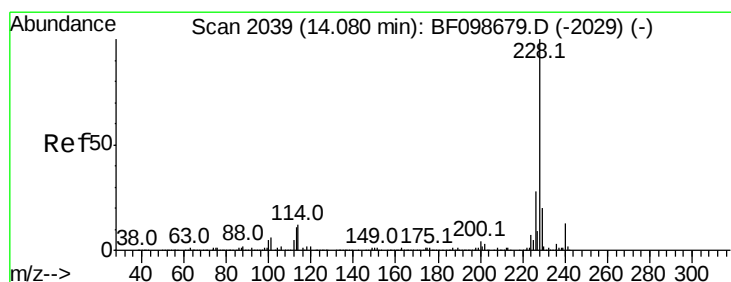
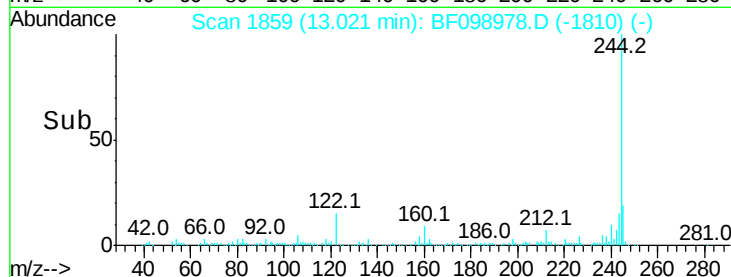
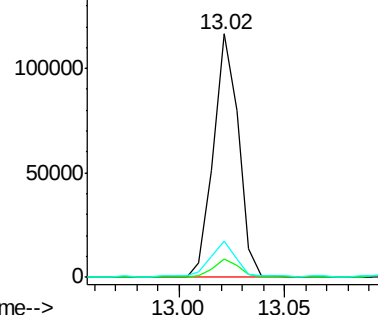
Tot Ion:	244	Resp:	95656
Ion Ratio	Lower	Upper	
244	100		
212	7.5	5.4	8.0
122	15.2	11.0	16.4

Manual Integrations
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 56.089 ng m

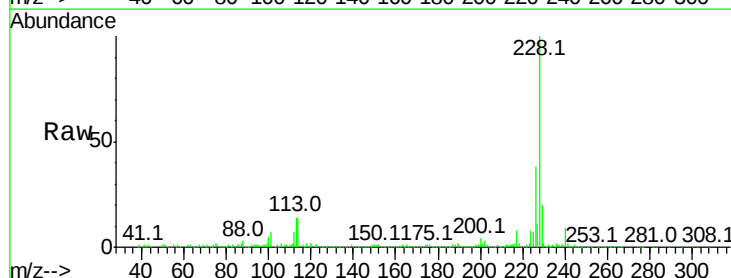
RT: 14.08 min Scan# 2039

Delta R.T. 0.01 min

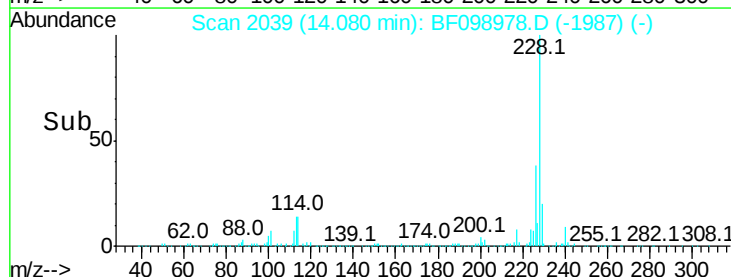
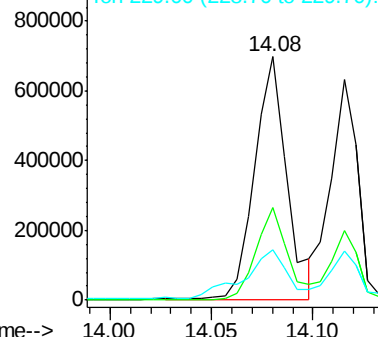
Lab File: BF098978.D

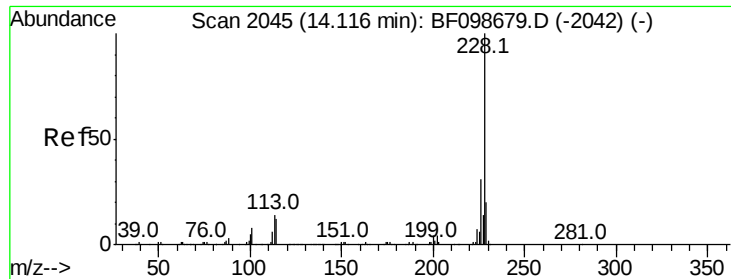
Acq: 30 Sep 2017 22:26

Tgt Ion:	228	Resp:	778921
Ion Ratio	Lower	Upper	
228	100		
226	37.9	22.6	33.8#
229	20.5	15.8	23.6



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





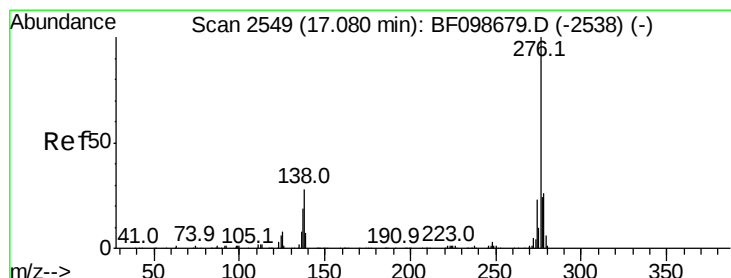
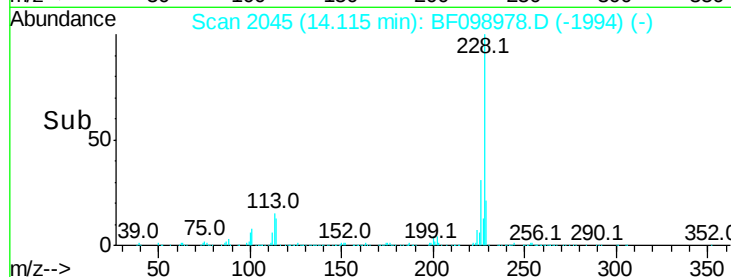
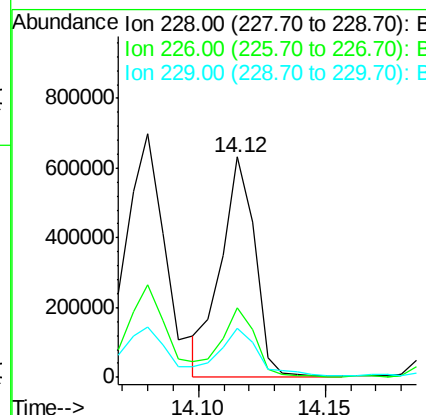
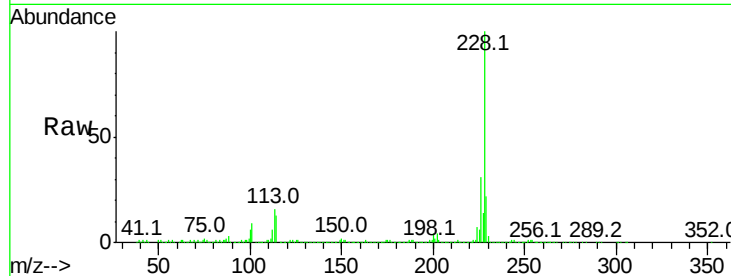
#82
Chrysene
Concen: 44.311 ng
RT: 14.12 min Scan# 2045
Delta R.T. -0.00 min
Lab File: BF098978.D
Acq: 30 Sep 2017 22:26

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-4

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.0	37.6
229	22.4	16.2	24.4

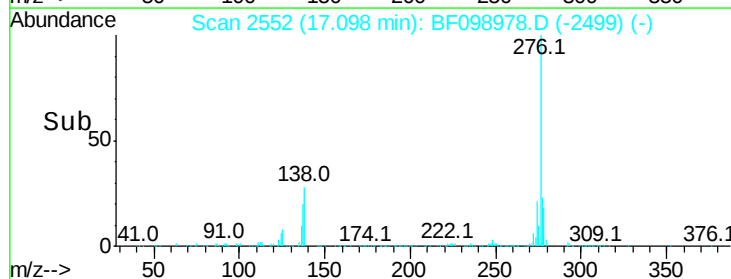
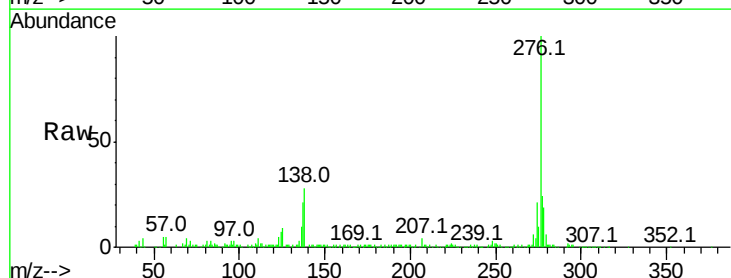
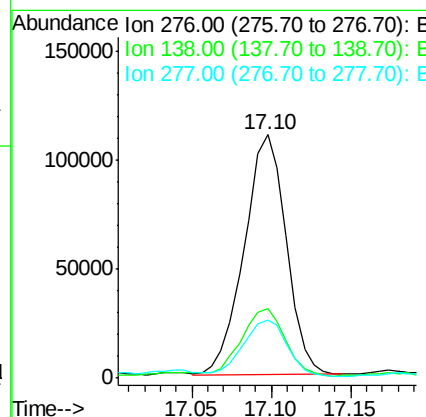
Manual Integrations
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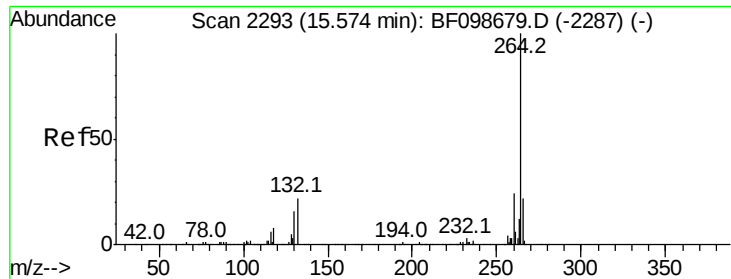
Sohil
10/2/2017 5:44:43 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 19.229 ng
RT: 17.10 min Scan# 2552
Delta R.T. 0.01 min
Lab File: BF098978.D
Acq: 30 Sep 2017 22:26

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.2	25.0	37.6
277	25.3	20.1	30.1





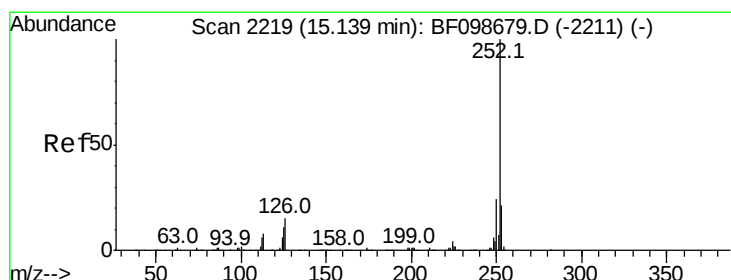
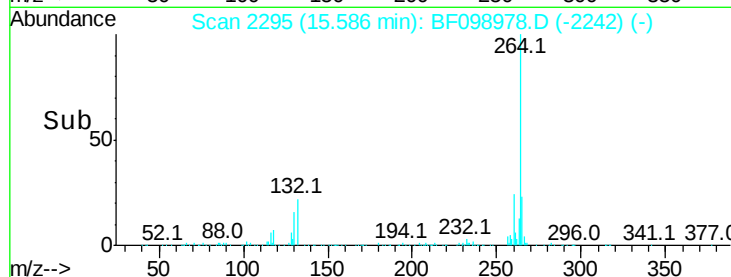
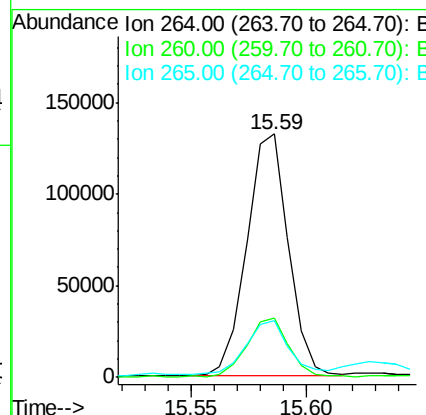
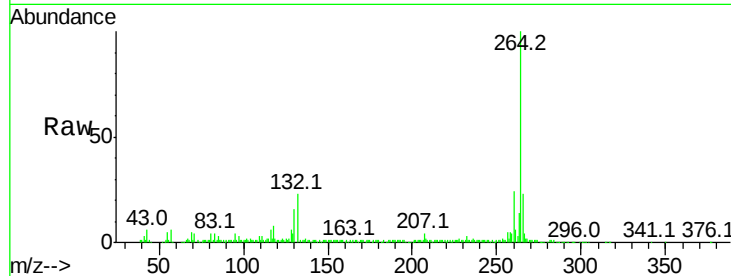
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.59 min Scan# 2295
Delta R.T. 0.01 min
Lab File: BF098978.D
Acq: 30 Sep 2017 22:26

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-4

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	23.4	17.5	26.3

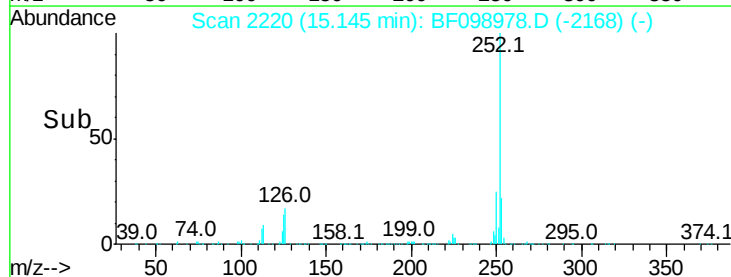
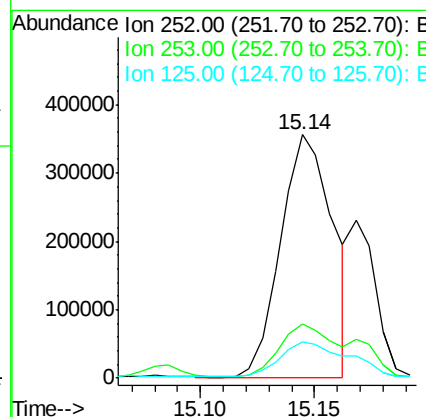
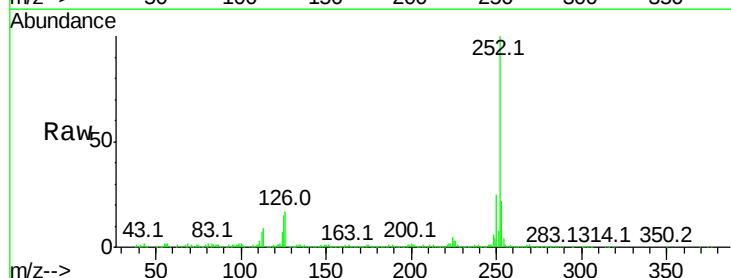
Manual Integrations
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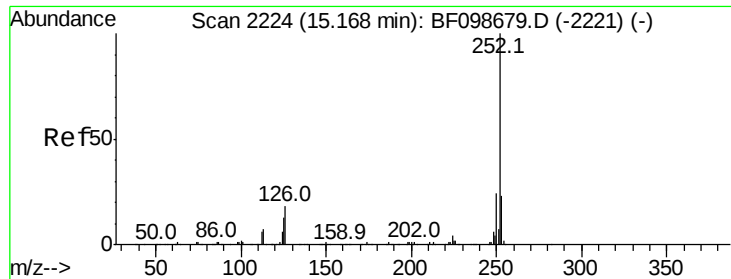
Sohil
10/2/2017 5:44:43 PM



#87
Benzo(b)fluoranthene
Concen: 55.917 ng m
RT: 15.14 min Scan# 2220
Delta R.T. 0.01 min
Lab File: BF098978.D
Acq: 30 Sep 2017 22:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	14.8	9.0	13.6





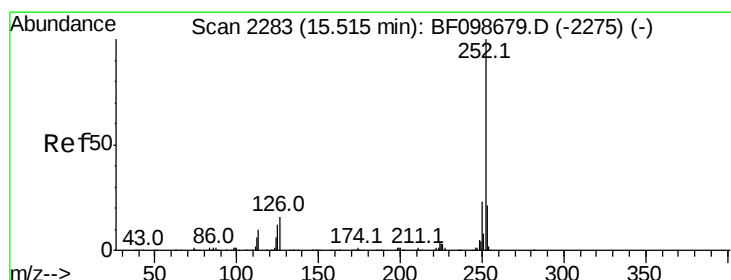
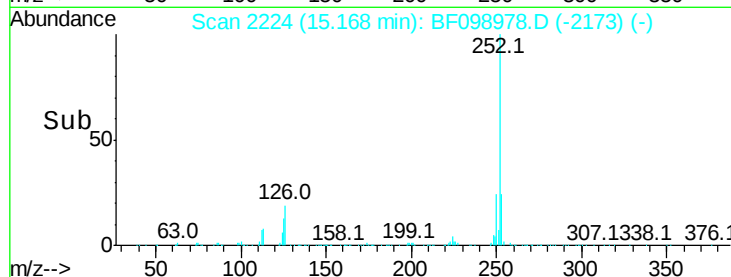
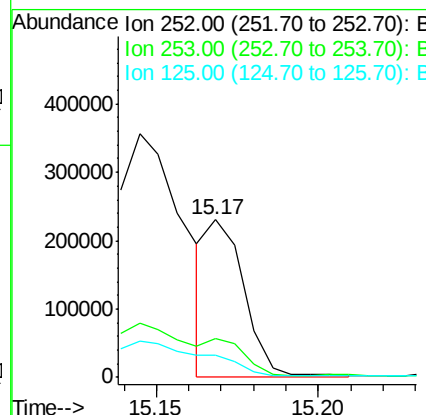
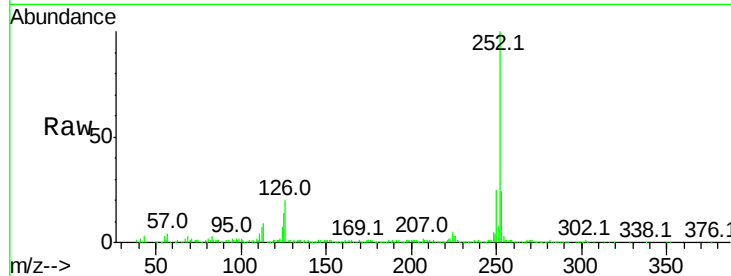
#88
Benzo(k)fluoranthene
Concen: 18.166 ng m
RT: 15.17 min Scan# 2224
Delta R.T. -0.00 min
Lab File: BF098978.D
Acq: 30 Sep 2017 22:26

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.9	26.9
125	14.4	10.2	15.2

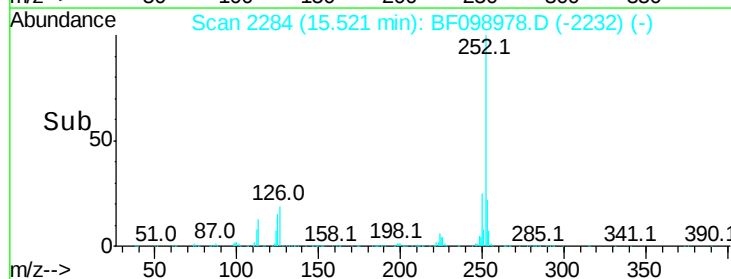
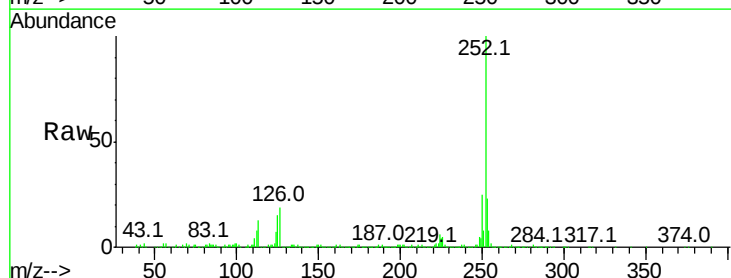
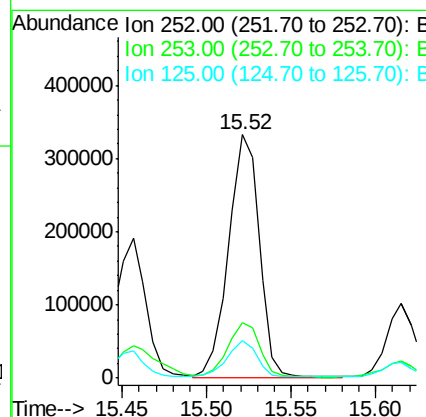
Manual Integrations
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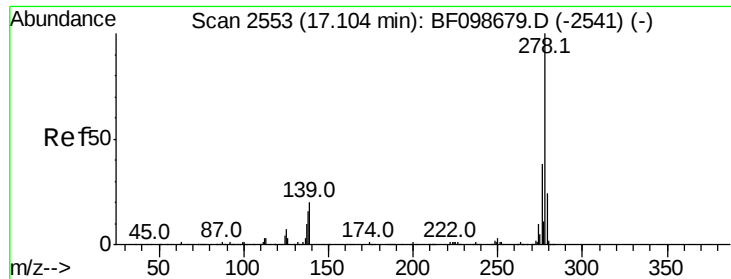
Sohil
10/2/2017 5:44:43 PM



#89
Benzo(a)pyrene
Concen: 44.412 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.01 min
Lab File: BF098978.D
Acq: 30 Sep 2017 22:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	15.3	9.8	14.6#





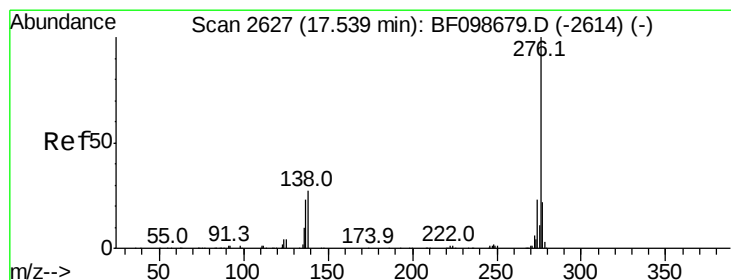
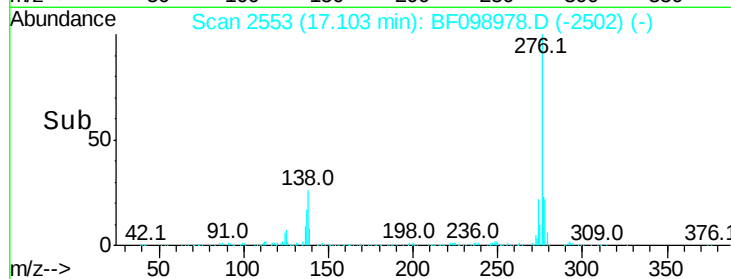
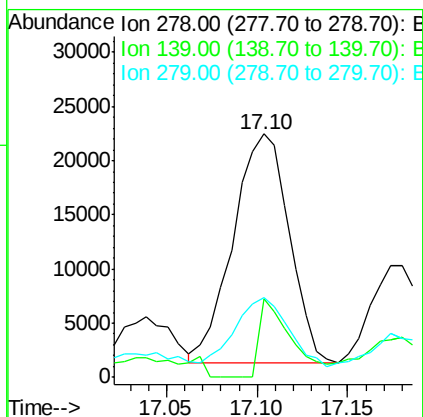
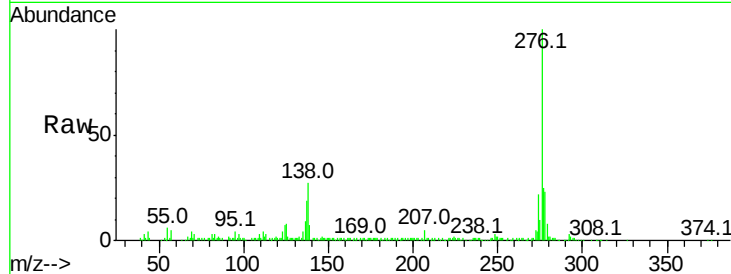
#90
Dibenzo(a,h)anthracene
Concen: 6.029 ng
RT: 17.10 min Scan# 2553
Delta R.T. -0.00 min
Lab File: BF098978.D
Acq: 30 Sep 2017 22:26

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-4

Tot Ion	Ratio	Lower	Upper
278	100		
139	32.0	15.9	23.9#
279	32.8	19.0	28.4#

Manual Integrations
APPROVED

Sohil
10/2/2017 5:44:43 PM



#91
Benzo(g,h,i)perylene
Concen: 25.706 ng
RT: 17.56 min Scan# 2631
Delta R.T. 0.02 min
Lab File: BF098978.D
Acq: 30 Sep 2017 22:26

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.1	17.9	26.9
138	28.9	21.8	32.8

