

Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
 Data File : BF098966.D
 Acq On : 30 Sep 2017 16:51
 Operator : SJ/JU
 Sample : I5563-05 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-SB-ESMI-5

Manual Integrations
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Sohil
 10/2/2017 5:44:22 PM

Quant Time: Oct 02 14:46:23 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	133683	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	194819	20.00	ng	0.01
38) Acenaphthene-d10	9.96	164	202355	20.00	ng	0.00
63) Phenanthrene-d10	11.46	188	185891	20.00	ng	0.01
75) Chrysene-d12	14.14	240	107510	20.00	ng	0.05
86) Perylene-d12	15.64	264	206175	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	106517	12.68	ng	-0.02
7) Phenol-d6	6.53	99	128769	12.43	ng	-0.01
23) Nitrobenzene-d5	7.48	82	84447	27.80	ng	0.00
41) 2,4,6-Tribromophenol	10.76	330	13461	8.13	ng	0.01
44) 2-Fluorobiphenyl	9.27	172	151683	12.51	ng	-0.01
78) Terphenyl-d14	13.04	244	89904	19.02	ng	0.00
Target Compounds						
10) Phenol	6.55	94	37379	3.226	ng	94
31) Naphthalene	8.23	128	15489037	1692.807	ng	97
37) 2-Methylnaphthalene	8.93	142	4929081	828.668	ng	97
45) 1,1'-Biphenyl	9.39	154	2367734	136.146	ng	98
48) Acenaphthylene	9.83	152	1223962	61.231	ng	# 91
51) Acenaphthene	10.00	154	4081907m	322.371	ng	
54) Dibenzofuran	10.19	168	4628603	274.546	ng	92
57) Fluorene	10.55	166	3898700	287.713	ng	99
70) Phenanthrene	11.49	178	9314032	936.061	ng	99
71) Anthracene	11.56	178	4236004	416.071	ng	97
72) Carbazole	11.70	167	2227610	223.432	ng	98
74) Fluoranthene	12.69	202	7448875m	739.289	ng	
77) Pylene	12.96	202	5805412m	708.146	ng	
80) Benzo(a)anthracene	14.13	228	5001671	768.306	ng	92
82) Chrysene	14.16	228	2434504m	392.800	ng	
85) Indeno(1,2,3-cd)pyrene	17.20	276	1986390	400.653	ng	97
87) Benzo(b)fluoranthene	15.22	252	5310805m	418.949	ng	
88) Benzo(k)fluoranthene	15.23	252	970349m	77.500	ng	
89) Benzo(a)pyrene	15.59	252	3861153m	331.825	ng	
90) Dibenzo(a,h)anthracene	17.23	278	265466m	28.507	ng	
91) Benzo(g,h,i)perylene	17.66	276	1726759	187.588	ng	94

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

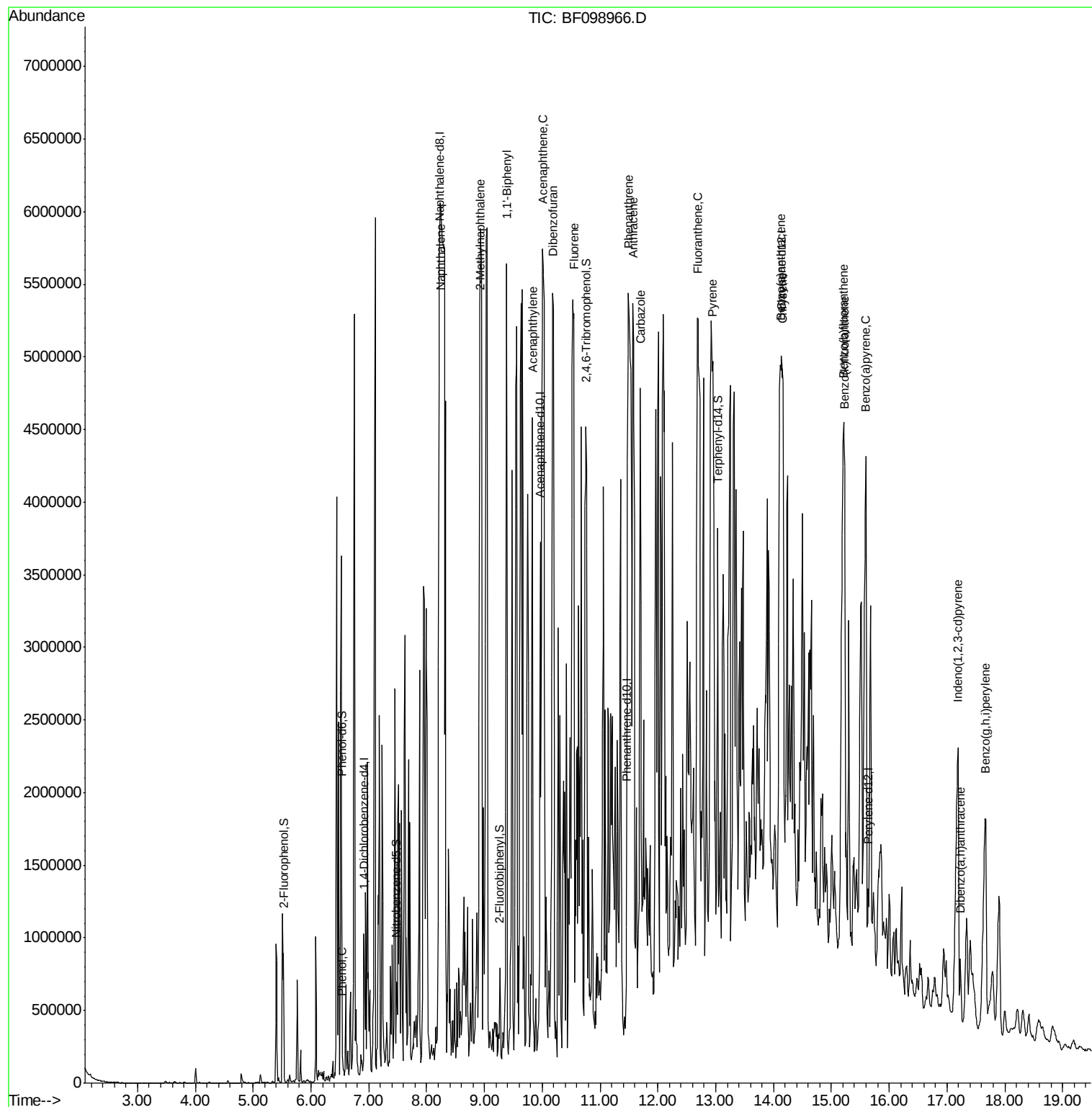
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#1

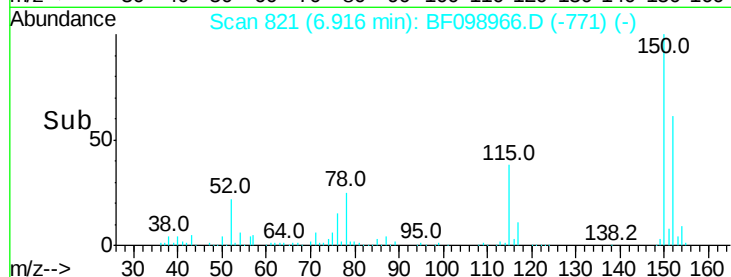
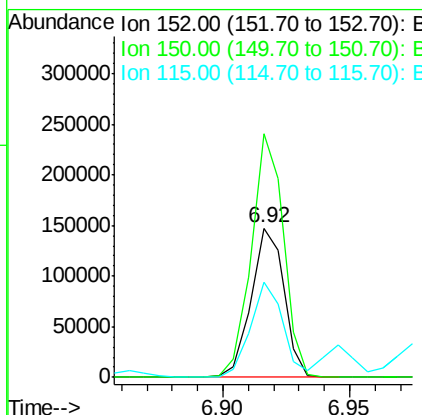
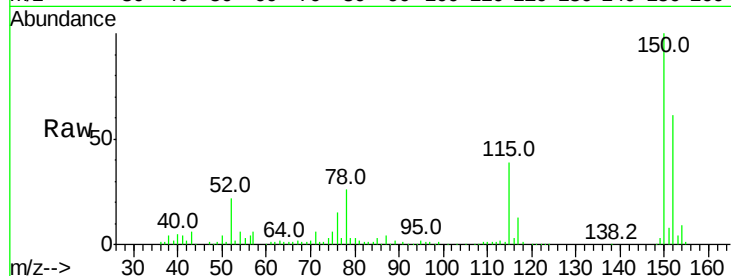
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098966.D
Acq: 30 Sep 2017 16:51

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-5

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.0	124.6	186.8
115	63.5	50.1	75.1

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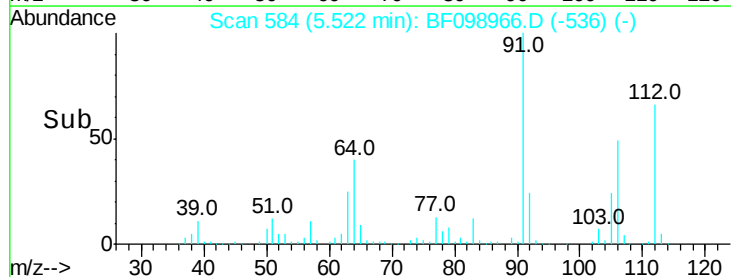
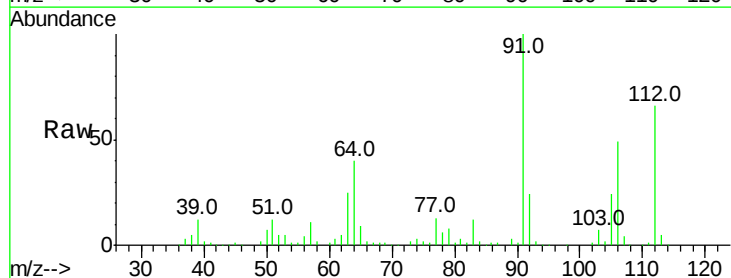
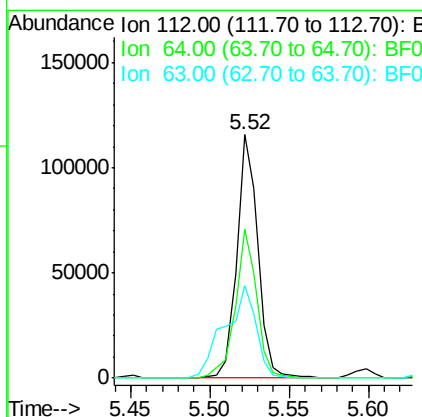
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#5

2-Fluorophenol
Concen: 12.684 ng
RT: 5.52 min Scan# 584
Delta R.T. -0.02 min
Lab File: BF098966.D
Acq: 30 Sep 2017 16:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.9	47.9	71.9
63	37.9	23.7	35.5





#7

Phenol-d6

Concen: 12.430 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF098966.D

Acq: 30 Sep 2017 16:51

Instrument :

BNA_F

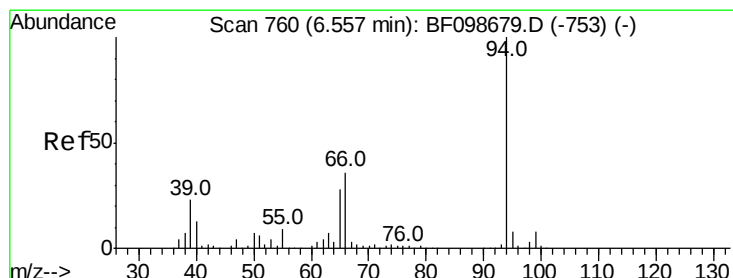
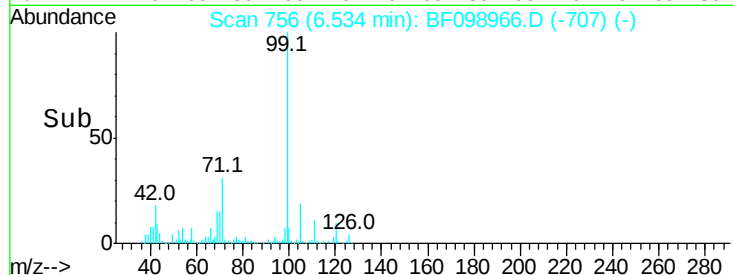
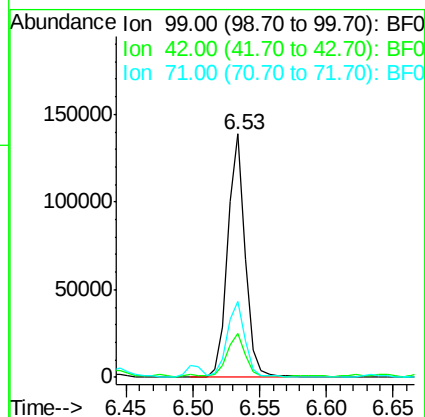
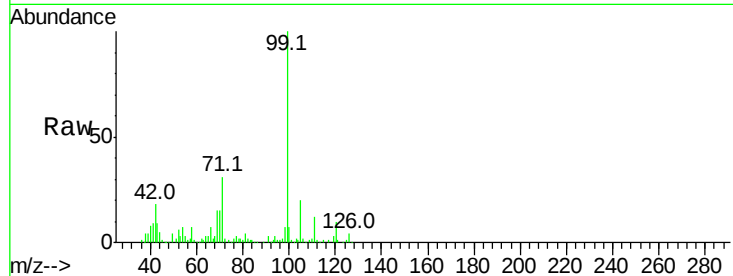
ClientSampleId :

NYSEG-PH4-SB-ESMI-5

Tot Ion:	99	Resp:	128769
Ion Ratio	Lower	Upper	
99	100		
42	18.2	14.5	21.7
71	31.2	25.4	38.0

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#10

Phenol

Concen: 3.226 ng

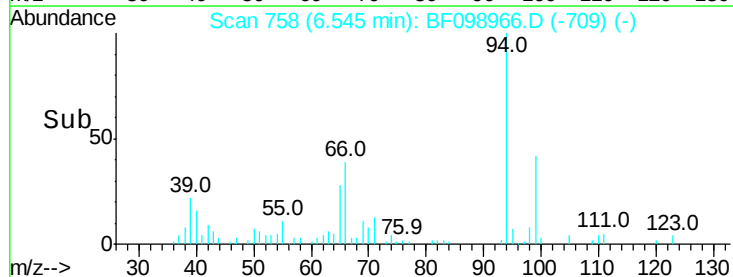
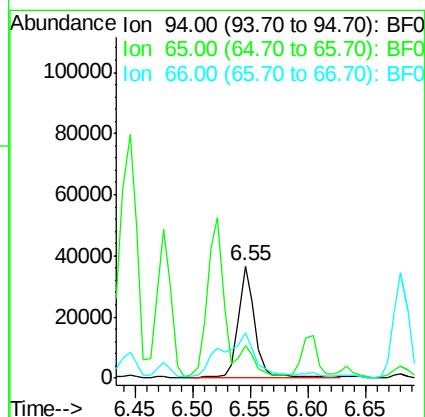
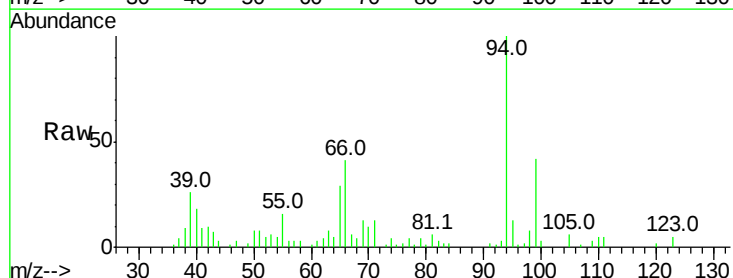
RT: 6.55 min Scan# 758

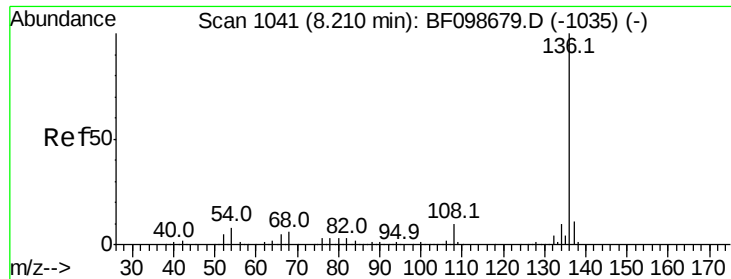
Delta R.T. -0.01 min

Lab File: BF098966.D

Acq: 30 Sep 2017 16:51

Tgt Ion:	94	Resp:	37379
Ion Ratio	Lower	Upper	
94	100		
65	29.4	7.9	47.9
66	41.0	16.2	56.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.22 min Scan# 1042

Delta R.T. 0.01 min

Lab File: BF098966.D

Acq: 30 Sep 2017 16:51

Instrument :

BNA_F

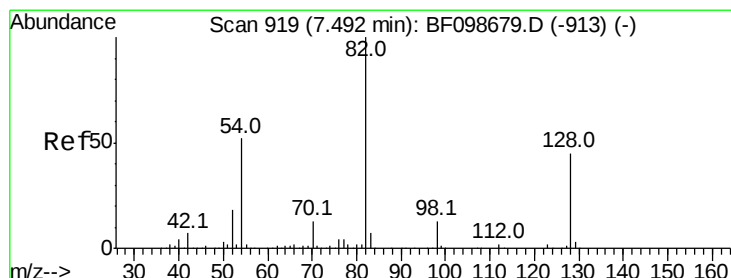
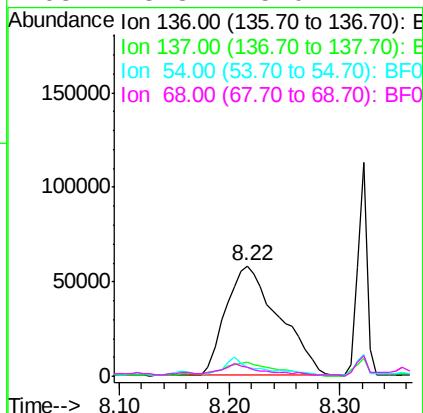
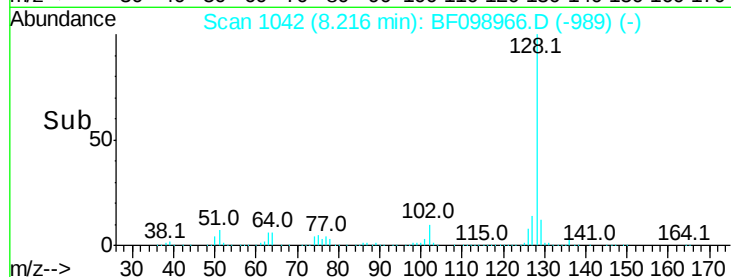
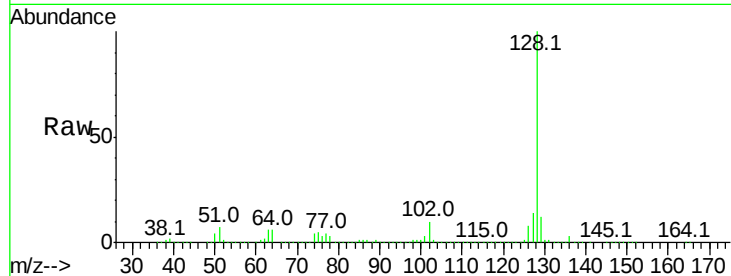
ClientSampleId :

NYSEG-PH4-SB-ESMI-5

Tot Ion	Ratio	Resp	Lower	Upper
136	100	194819		
137	12.4	8.9	13.3	
54	8.0	6.6	9.8	
68	8.3	5.0	7.4#	

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#23

Nitrobenzene-d5

Concen: 27.798 ng

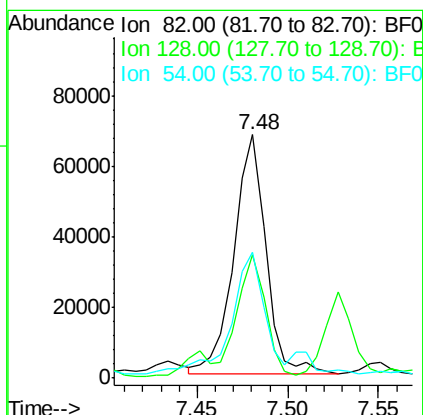
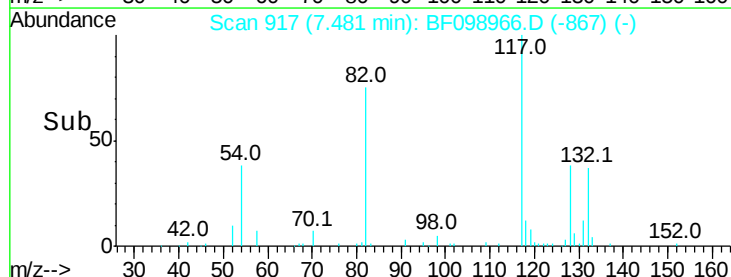
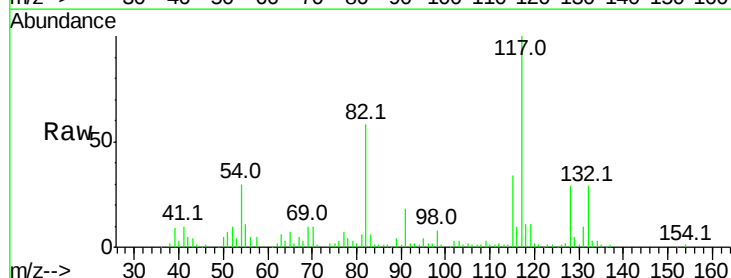
RT: 7.48 min Scan# 917

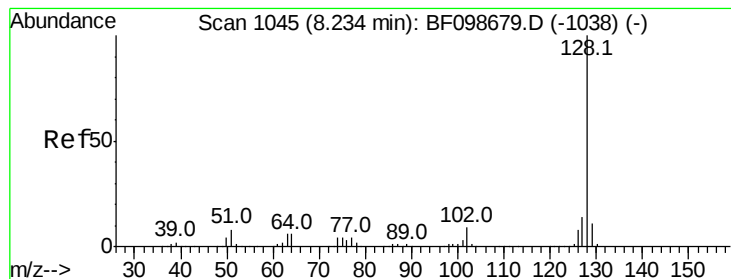
Delta R.T. -0.01 min

Lab File: BF098966.D

Acq: 30 Sep 2017 16:51

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	84447		
128	50.7	36.1	54.1	
54	51.5	41.4	62.2	





#31

Naphthalene

Concen: 1692.807 ng

RT: 8.23 min Scan# 1045

Delta R.T. 0.01 min

Lab File: BF098966.D

Acq: 30 Sep 2017 16:51

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-SB-ESMI-5

Tot Ion:128 Resp:15489037

Ion Ratio Lower Upper

128 100

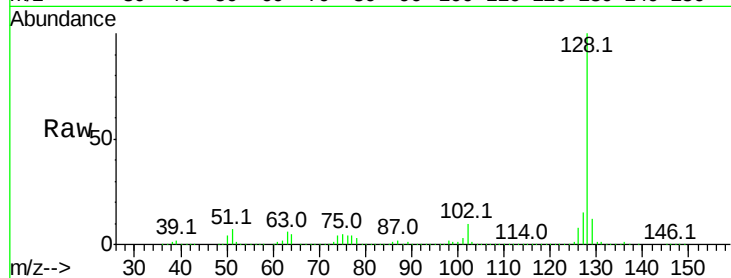
129 12.2 8.8 13.2

127 14.5 10.9 16.3

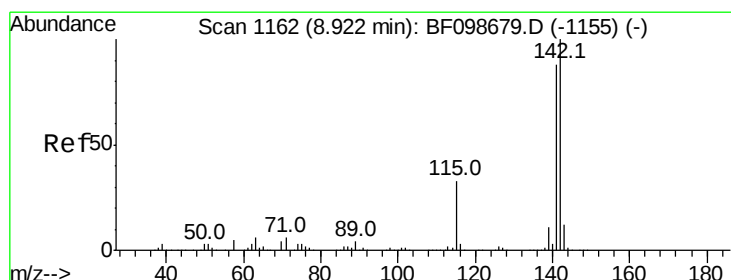
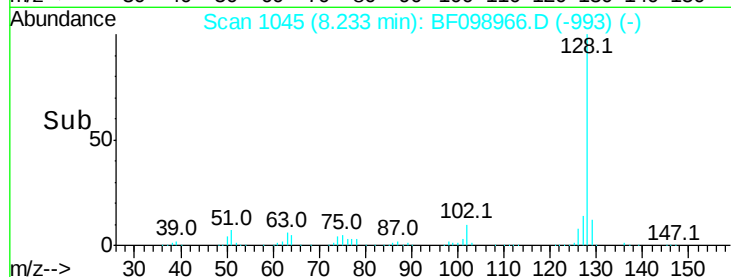
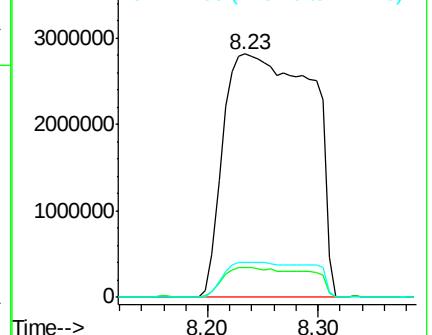
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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 828.668 ng

RT: 8.93 min Scan# 1163

Delta R.T. 0.01 min

Lab File: BF098966.D

Acq: 30 Sep 2017 16:51

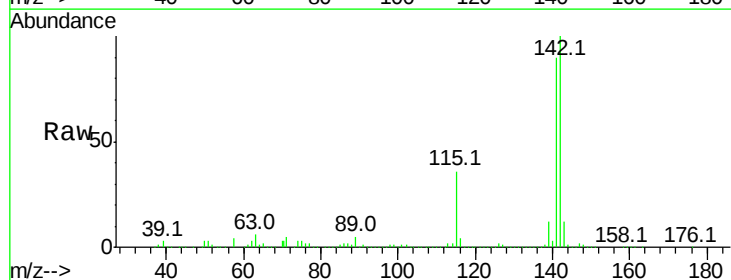
Tgt Ion:142 Resp: 4929081

Ion Ratio Lower Upper

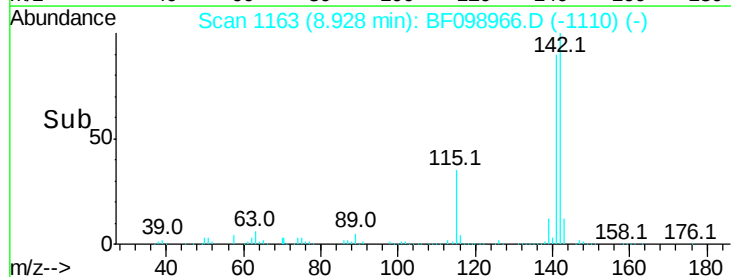
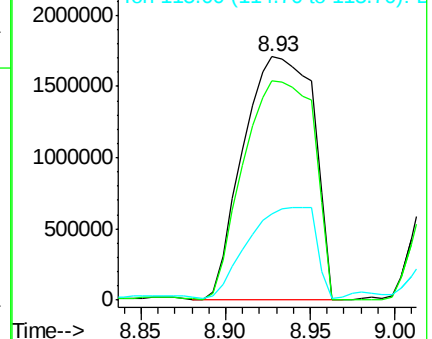
142 100

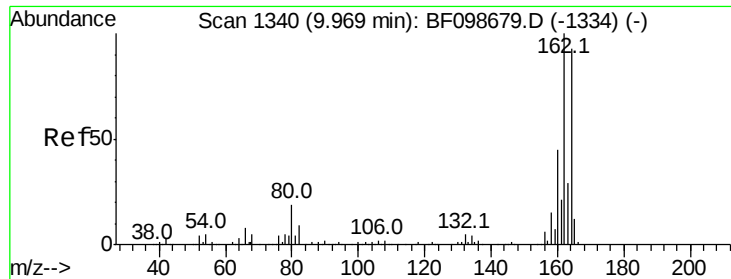
141 90.1 70.8 106.2

115 35.6 26.1 39.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.96 min Scan# 1339

Delta R.T. -0.00 min

Lab File: BF098966.D

Acq: 30 Sep 2017 16:51

Instrument :

BNA_F

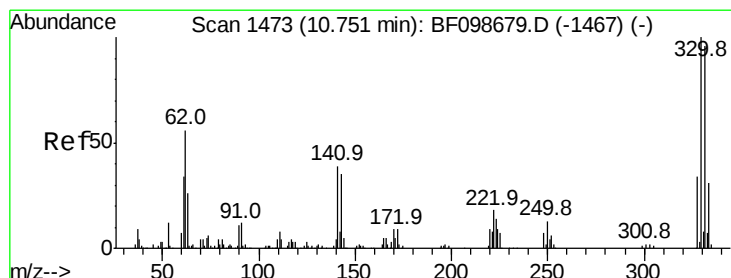
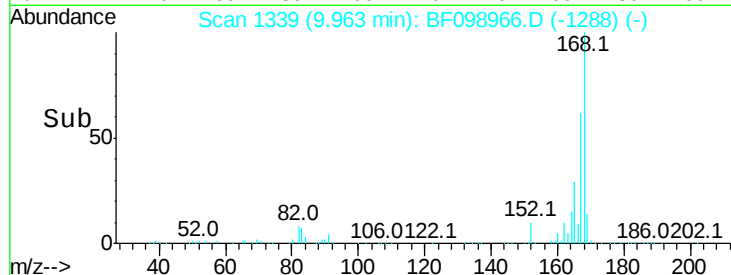
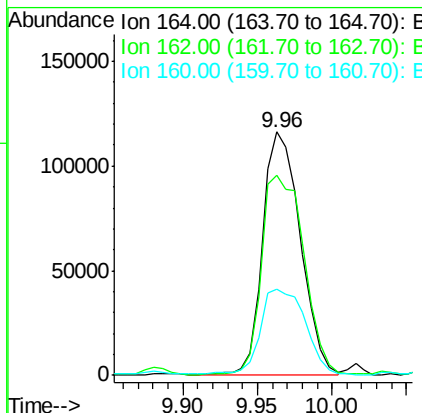
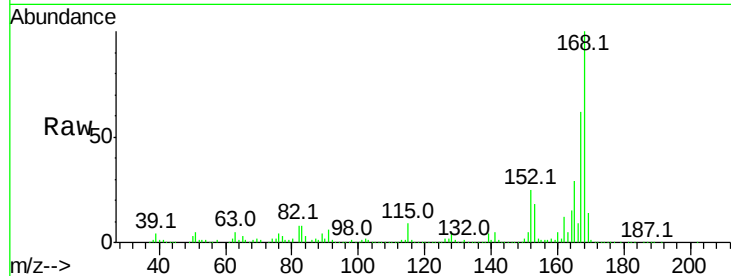
ClientSampleId :

NYSEG-PH4-SB-ESMI-5

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	82.4	86.1	129.1#	
160	35.5	38.3	57.5#	

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#41

2,4,6-Tribromophenol

Concen: 8.130 ng

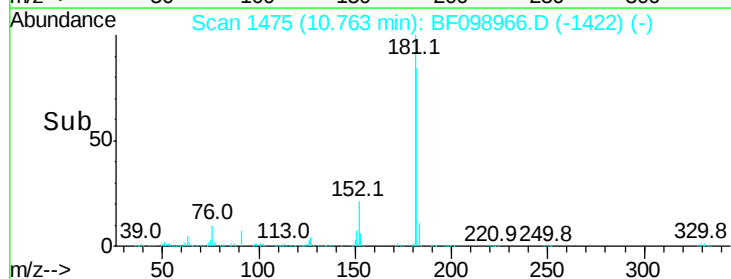
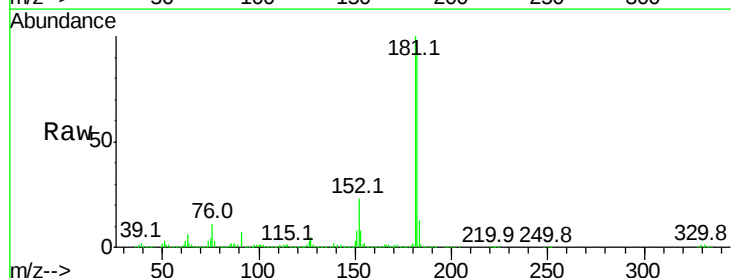
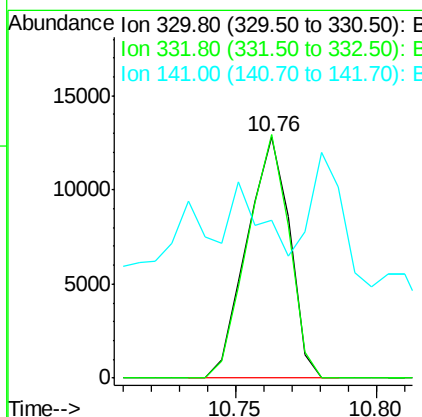
RT: 10.76 min Scan# 1475

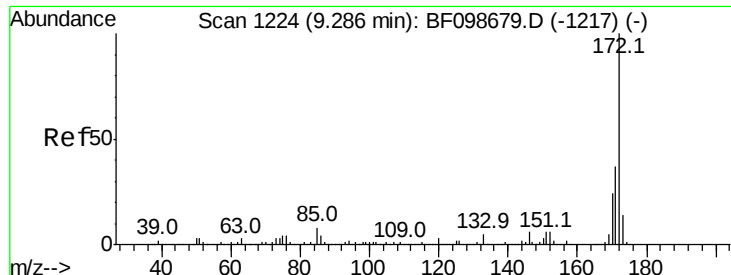
Delta R.T. 0.01 min

Lab File: BF098966.D

Acq: 30 Sep 2017 16:51

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.2	77.0	115.6	
141	43.5	29.9	44.9	





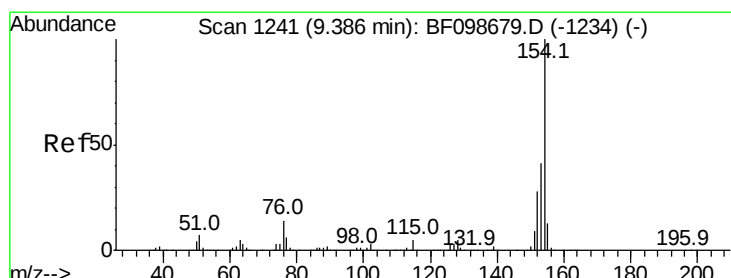
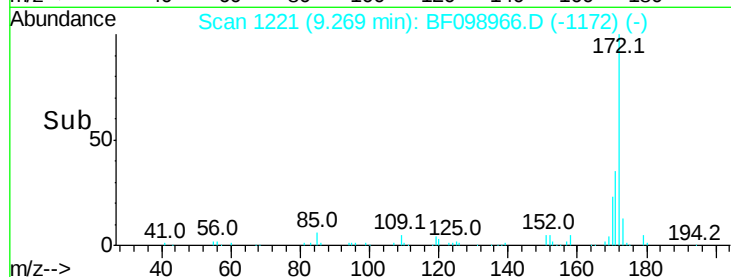
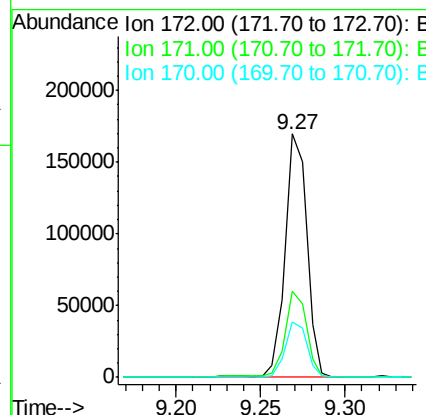
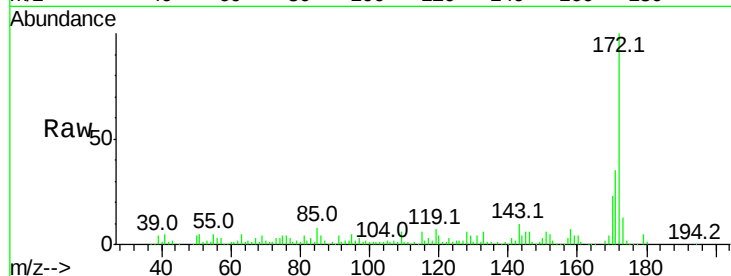
#44
 2-Fluorobiphenyl
 Concen: 12.514 ng
 RT: 9.27 min Scan# 1221
 Delta R.T. -0.01 min
 Lab File: BF098966.D
 Acq: 30 Sep 2017 16:51

Instrument :
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 NYSEG-PH4-SB-ESMI-5

Tot Ion	Ratio	Resp	Lower	Upper
172	100	151683		
171	35.2	29.7	44.5	
170	22.7	19.6	29.4	

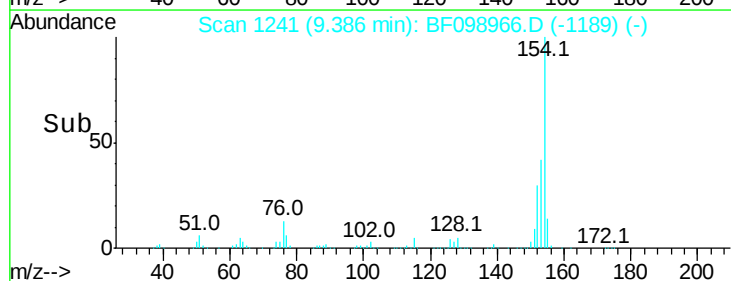
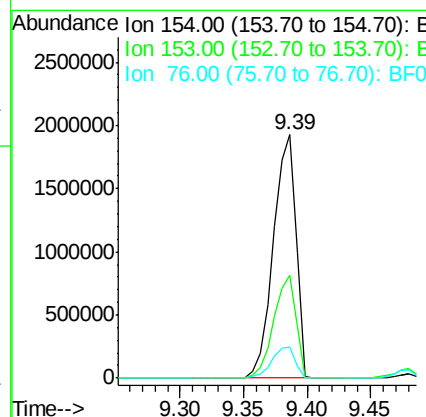
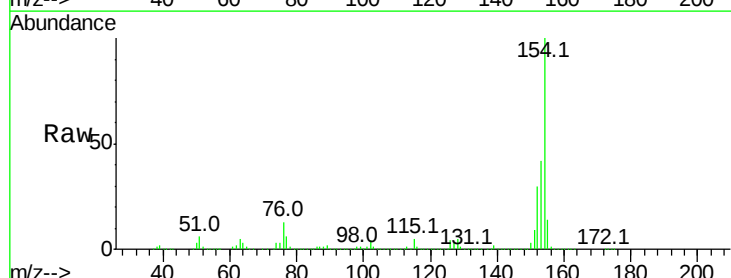
Manual Integrations
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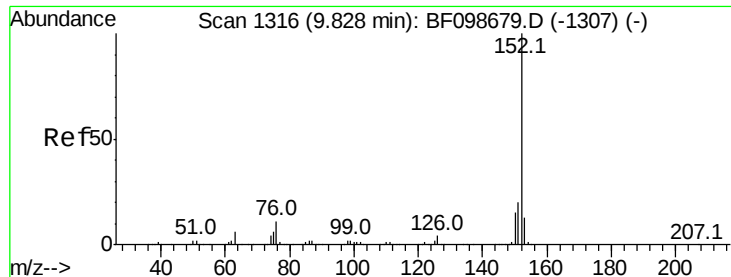
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#45
 1,1'-Biphenyl
 Concen: 136.146 ng
 RT: 9.39 min Scan# 1241
 Delta R.T. 0.01 min
 Lab File: BF098966.D
 Acq: 30 Sep 2017 16:51

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	2367734		
153	42.4	21.3	61.3	
76	12.9	0.0	34.0	





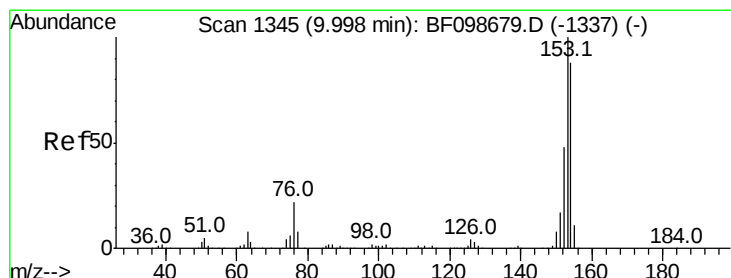
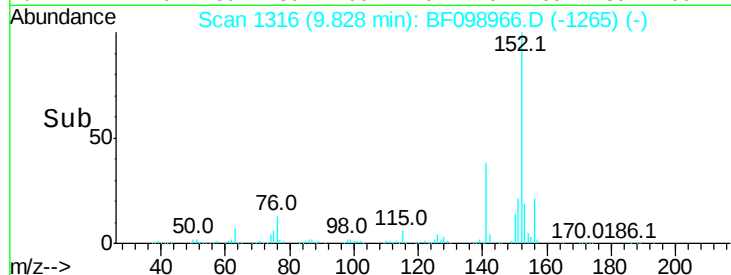
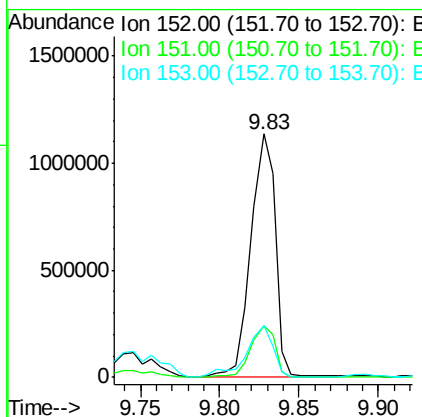
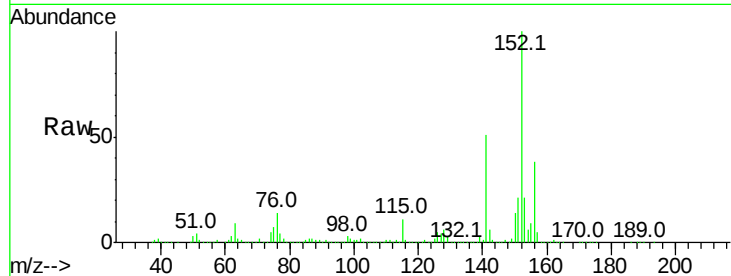
#48
Acenaphthylene
Concen: 61.231 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.00 min
Lab File: BF098966.D
Acq: 30 Sep 2017 16:51

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-5

Tot Ion	Ratio	Lower	Upper
152	100		
151	21.4	16.3	24.5
153	21.2	10.7	16.1

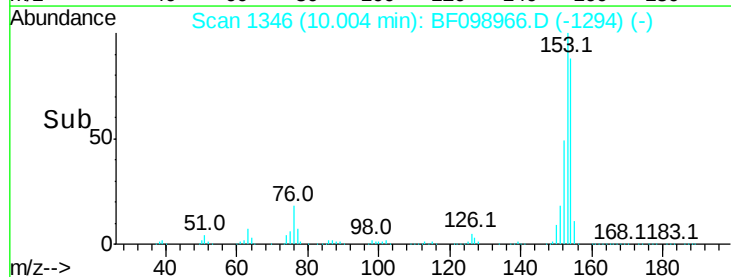
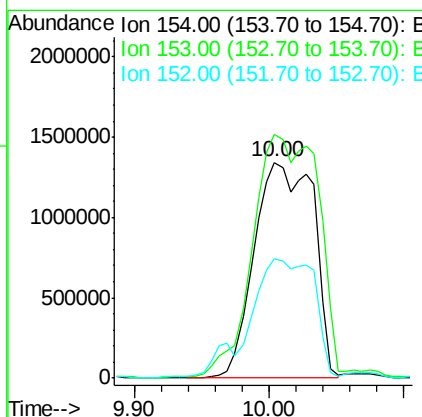
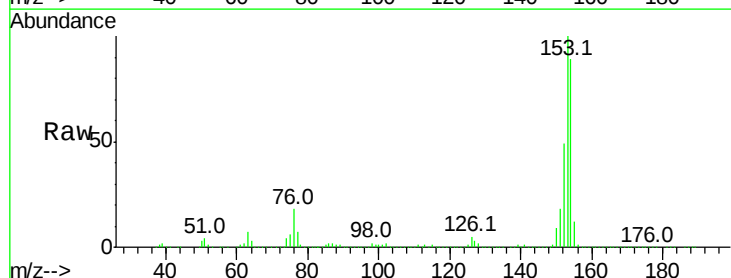
Manual Integrations
APPROVED

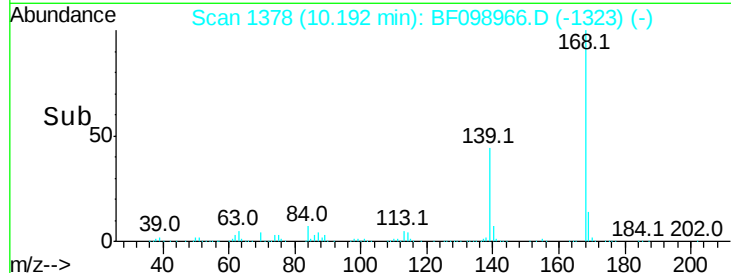
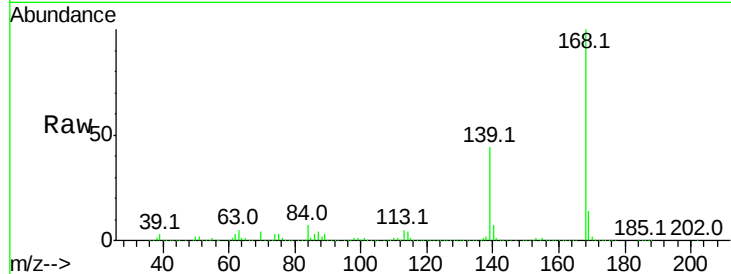
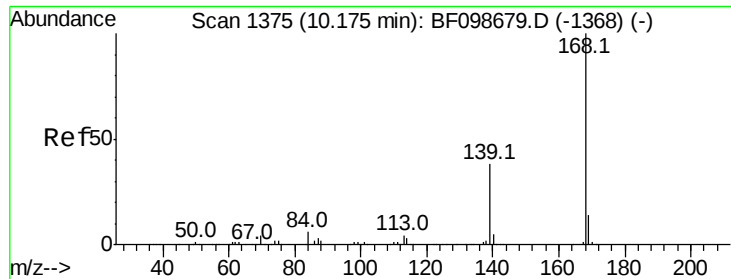
Sohil
10/2/2017 5:44:22 PM



#51
Acenaphthene
Concen: 322.371 ng m
RT: 10.00 min Scan# 1346
Delta R.T. 0.01 min
Lab File: BF098966.D
Acq: 30 Sep 2017 16:51

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.0	91.2	136.8
152	55.7	43.8	65.8





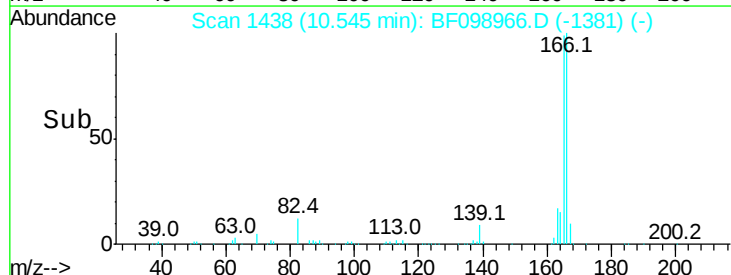
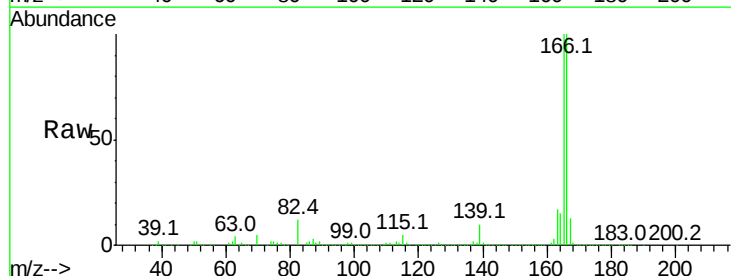
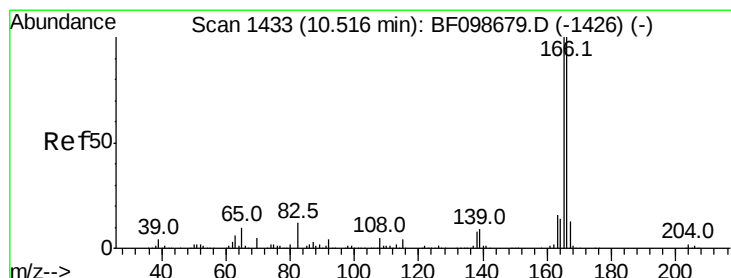
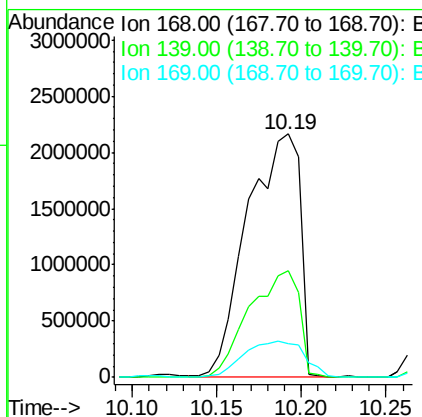
#54
Dibenzofuran
Concen: 274.546 ng
RT: 10.19 min Scan# 1378
Delta R.T. 0.02 min
Lab File: BF098966.D
Acq: 30 Sep 2017 16:51

Tot Ion:168 Resp: 4628603
Ion Ratio Lower Upper
168 100
139 43.7 30.1 45.1
169 14.0 10.9 16.3

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-5

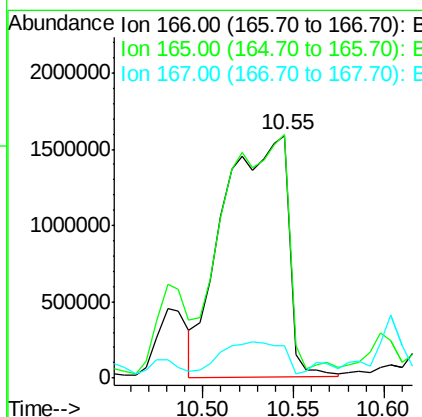
Manual Integrations
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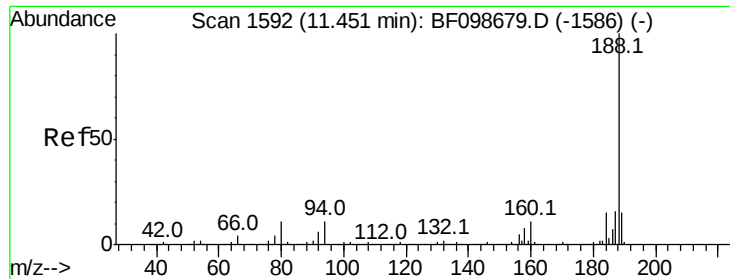
Sohil
10/2/2017 5:44:22 PM



#57
Fluorene
Concen: 287.713 ng
RT: 10.55 min Scan# 1438
Delta R.T. 0.04 min
Lab File: BF098966.D
Acq: 30 Sep 2017 16:51

Tgt Ion:166 Resp: 3898700
Ion Ratio Lower Upper
166 100
165 100.4 79.8 119.8
167 13.2 10.6 16.0





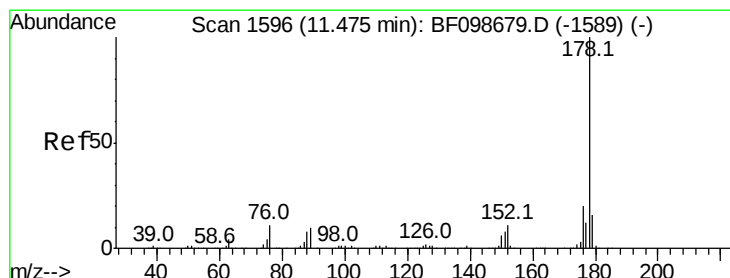
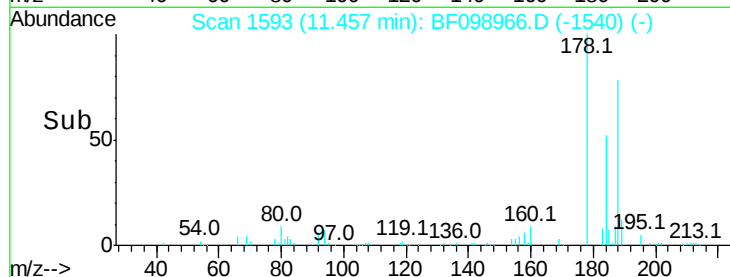
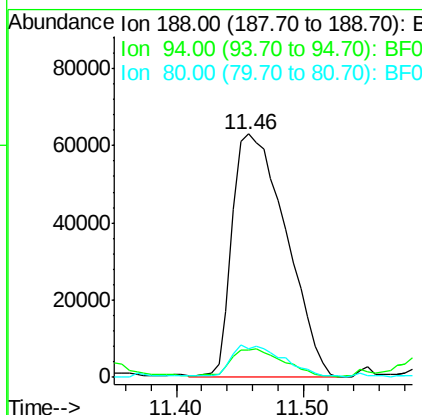
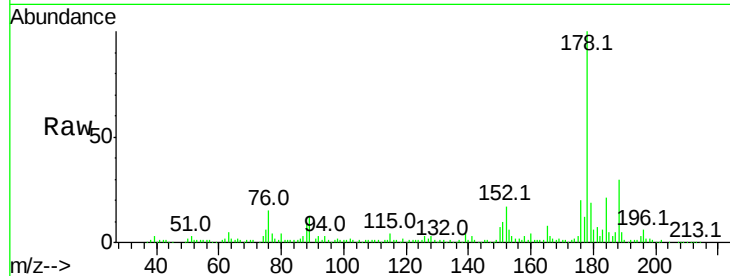
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.46 min Scan# 1593
Delta R.T. 0.01 min
Lab File: BF098966.D
Acq: 30 Sep 2017 16:51

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-5

Tot Ion	Ratio	Resp	Lower	Upper
188	100	185891		
94	11.1	8.5	12.7	
80	12.0	9.2	13.8	

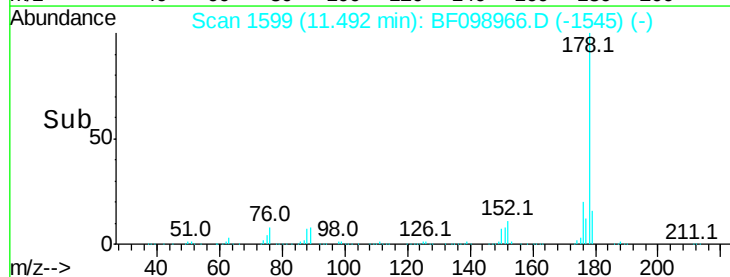
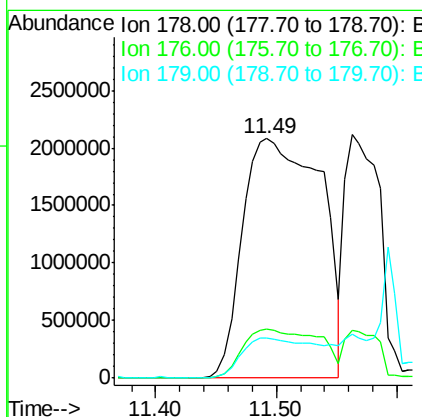
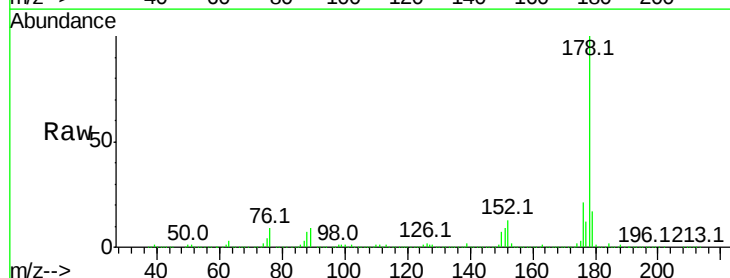
Manual Integrations
APPROVED

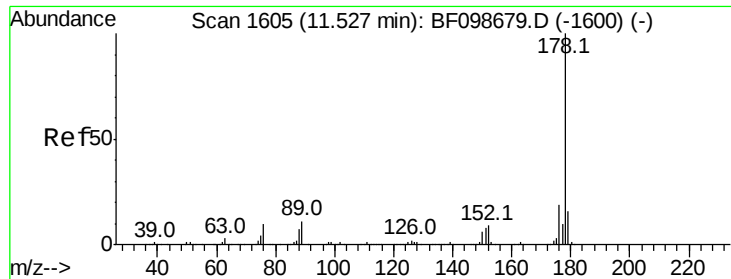
Sohil
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#70
Phenanthrene
Concen: 936.061 ng
RT: 11.49 min Scan# 1599
Delta R.T. 0.02 min
Lab File: BF098966.D
Acq: 30 Sep 2017 16:51

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	9314032		
176	20.5	15.8	23.8	
179	16.8	13.0	19.6	





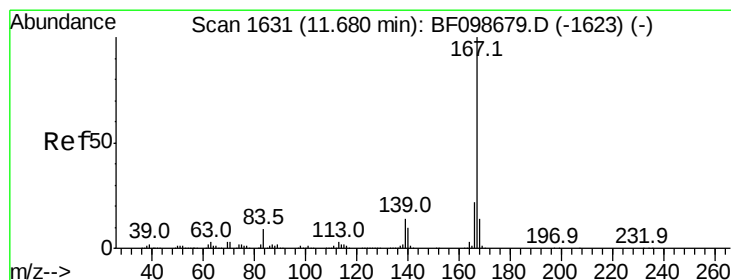
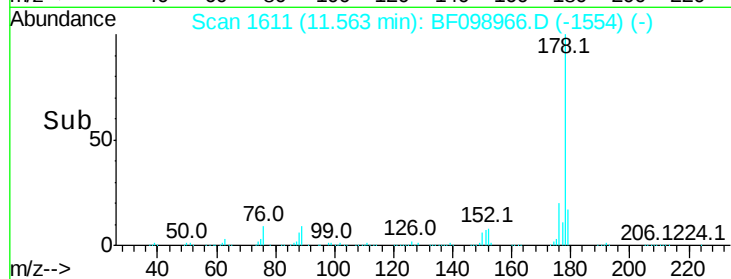
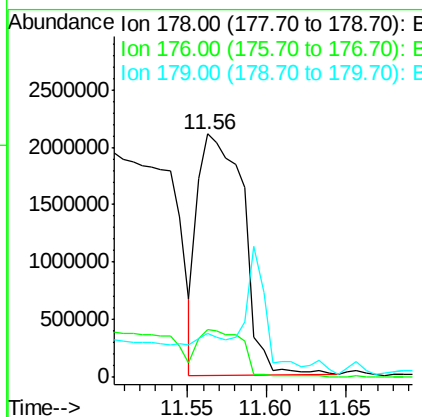
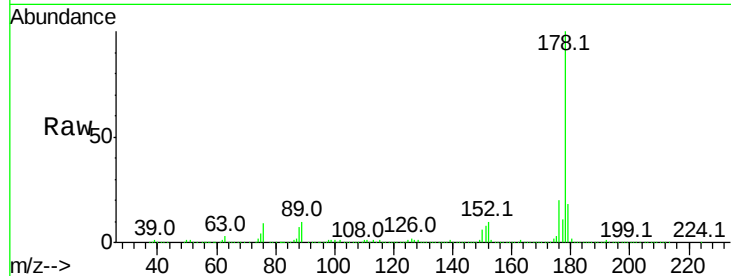
#71
 Anthracene
 Concen: 416.071 ng
 RT: 11.56 min Scan# 1611
 Delta R.T. 0.04 min
 Lab File: BF098966.D
 Acq: 30 Sep 2017 16:51

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-SB-ESMI-5

Tot Ion:178 Resp: 4236004
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.4 23.2
 179 17.9 12.6 19.0

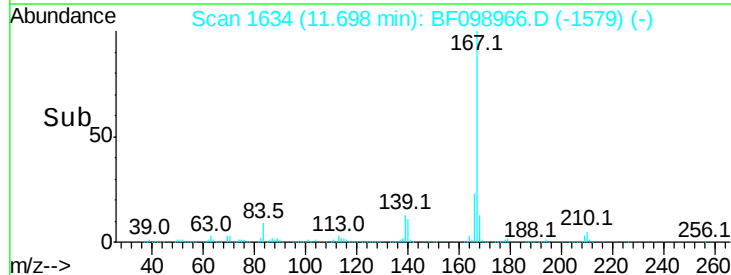
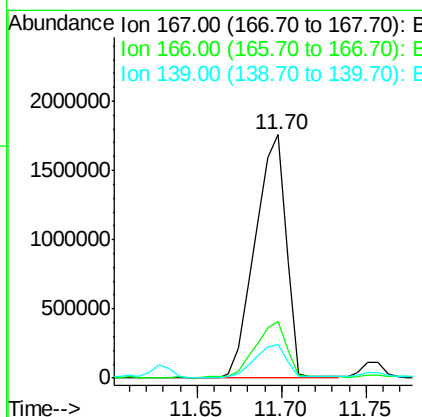
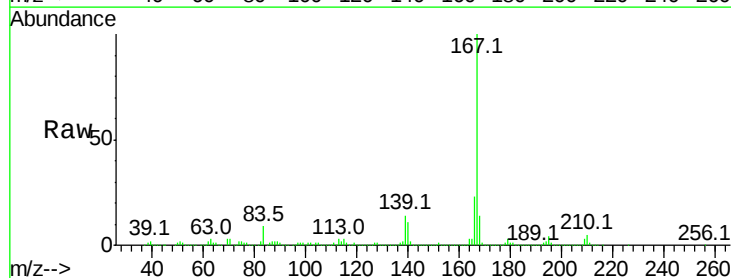
Manual Integrations
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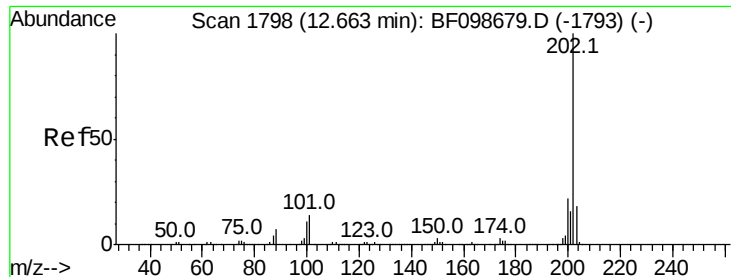
Sohil
 10/2/2017 5:44:22 PM



#72
 Carbazole
 Concen: 223.432 ng
 RT: 11.70 min Scan# 1634
 Delta R.T. 0.02 min
 Lab File: BF098966.D
 Acq: 30 Sep 2017 16:51

Tgt Ion:167 Resp: 2227610
 Ion Ratio Lower Upper
 167 100
 166 23.2 17.6 26.4
 139 13.9 10.9 16.3





#74

Fluoranthene

Concen: 739.289 ng/mL

RT: 12.69 min Scan# 1803

Delta R.T. 0.03 min

Lab File: BF098966.D

Acq: 30 Sep 2017 16:51

Instrument :

BNA_F

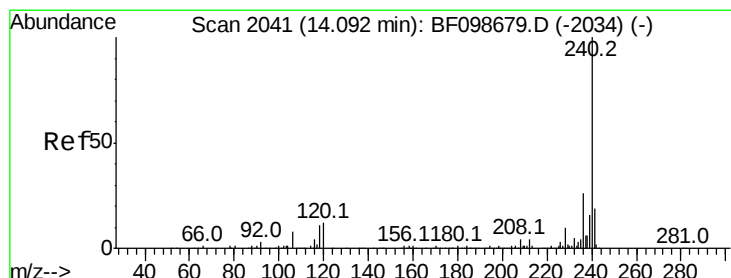
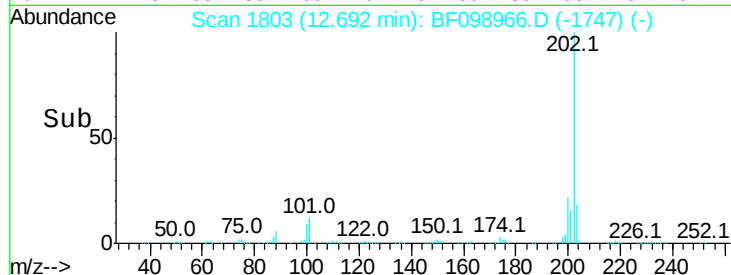
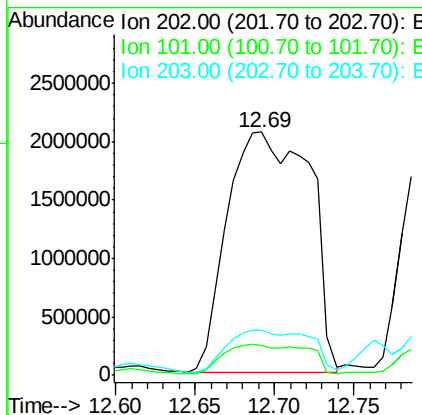
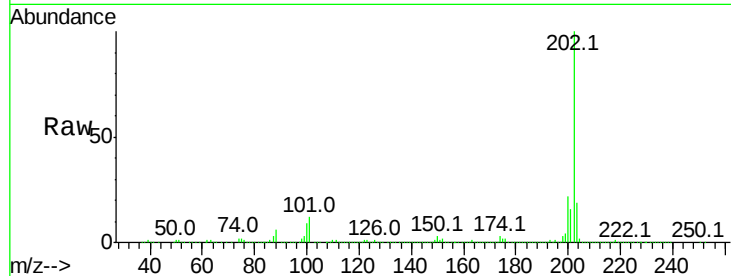
ClientSampleId :

NYSEG-PH4-SB-ESMI-5

Tot Ion:	202	Resp:	7448875
Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	34.1
203	18.6	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

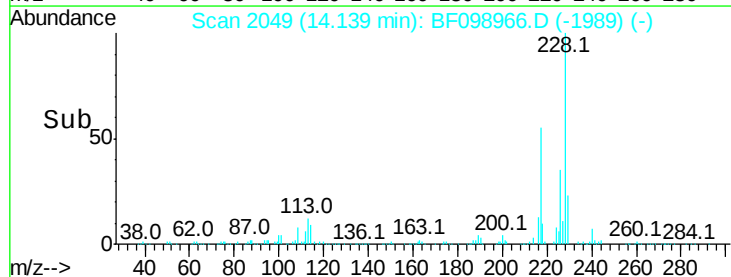
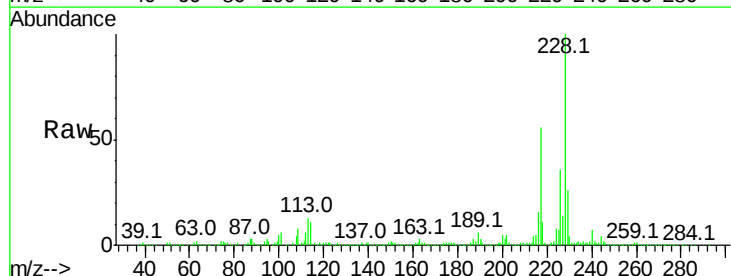
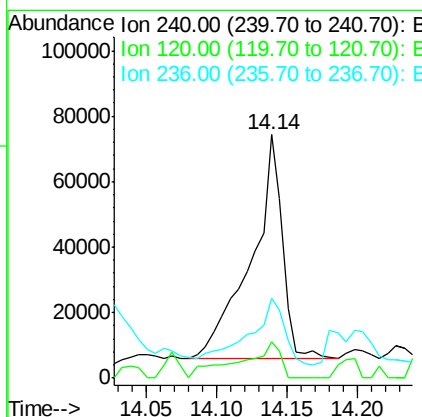
RT: 14.14 min Scan# 2049

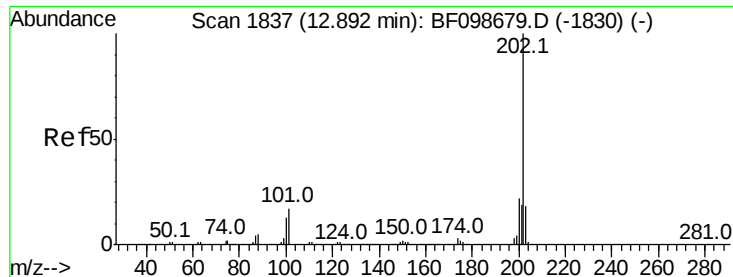
Delta R.T. 0.05 min

Lab File: BF098966.D

Acq: 30 Sep 2017 16:51

Tgt Ion:	240	Resp:	107510
Ion	Ratio	Lower	Upper
240	100		
120	14.9	9.5	14.3#
236	32.8	20.7	31.1#





#77

Pvrene

Concen: 708.146 ng/mL

RT: 12.96 min Scan# 1848

Delta R.T. 0.06 min

Lab File: BF098966.D

Acq: 30 Sep 2017 16:51

Instrument :

BNA_F

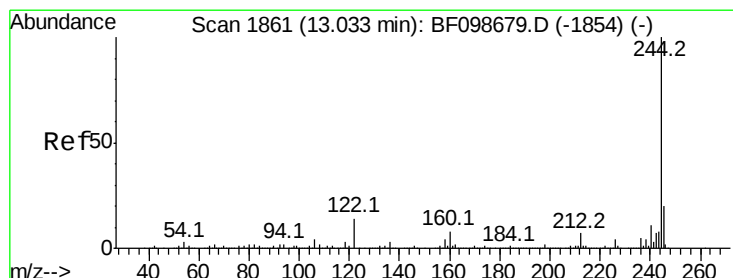
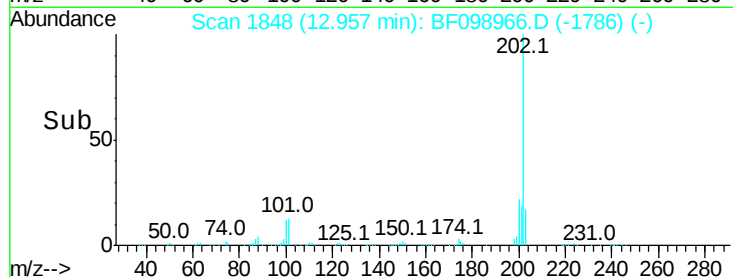
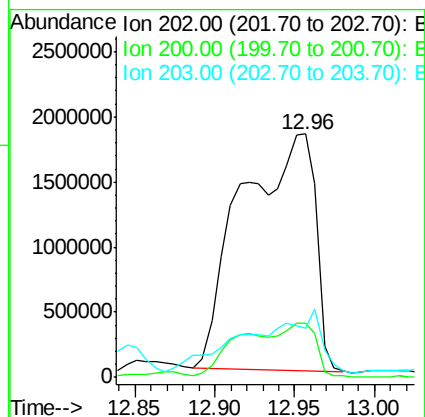
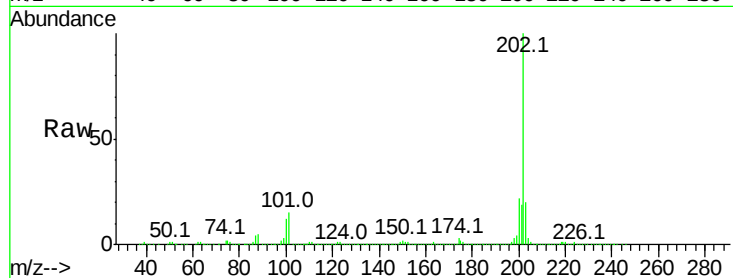
ClientSampleId :

NYSEG-PH4-SB-ESMI-5

Tot Ion:	202	Resp:	5805412
Ion	Ratio	Lower	Upper
202	100		
200	22.3	17.4	26.2
203	20.0	14.3	21.5

Manual Integrations
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#78

Terphenyl-d14

Concen: 19.018 ng/mL

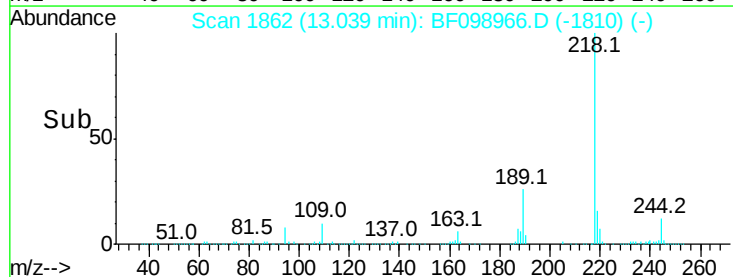
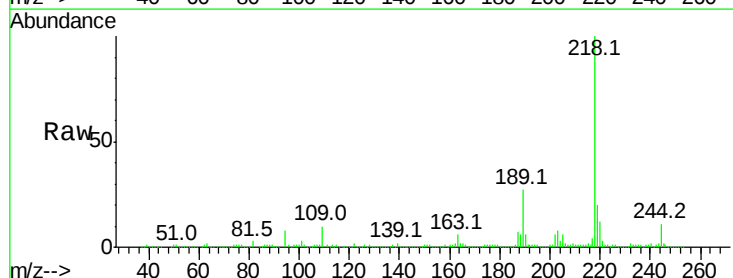
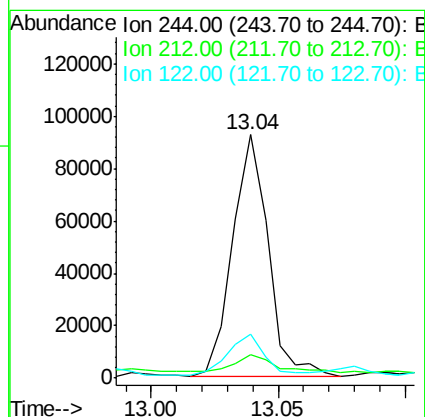
RT: 13.04 min Scan# 1862

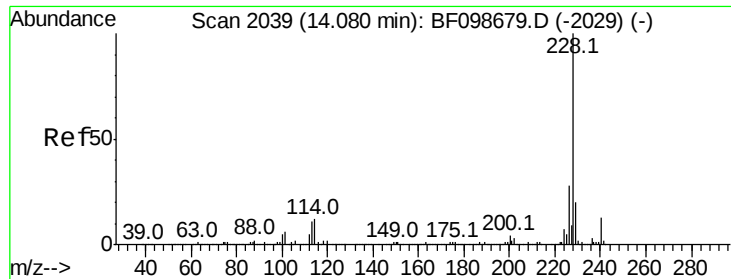
Delta R.T. 0.01 min

Lab File: BF098966.D

Acq: 30 Sep 2017 16:51

Tgt Ion:	244	Resp:	89904
Ion	Ratio	Lower	Upper
244	100		
212	9.4	5.4	8.0#
122	17.9	11.0	16.4#





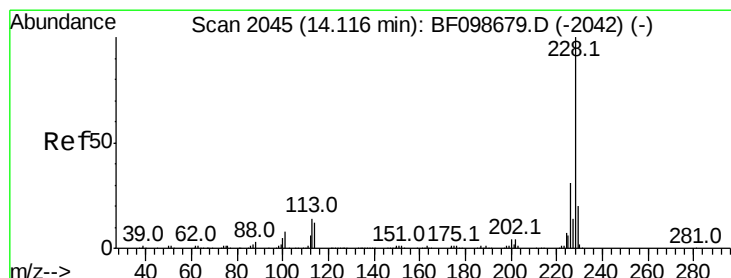
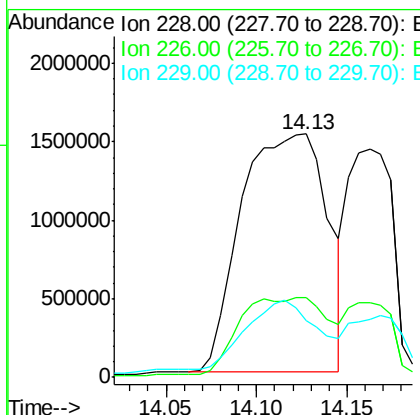
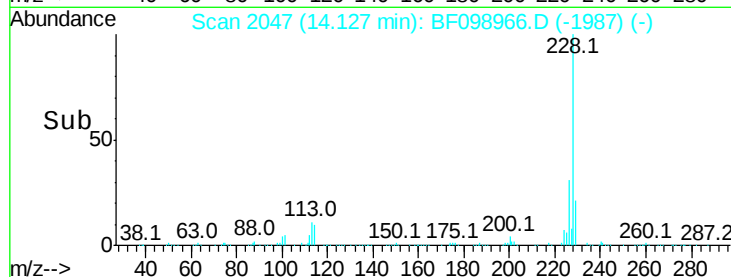
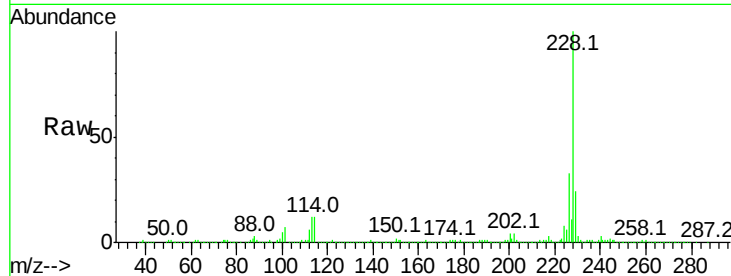
#80
Benzo(a)anthracene
Concen: 768.306 ng
RT: 14.13 min Scan# 2047
Delta R.T. 0.05 min
Lab File: BF098966.D
Acq: 30 Sep 2017 16:51

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-5

Tot Ion:228 Resp: 5001671
Ion Ratio Lower Upper
228 100
226 32.5 22.6 33.8
229 23.6 15.8 23.6

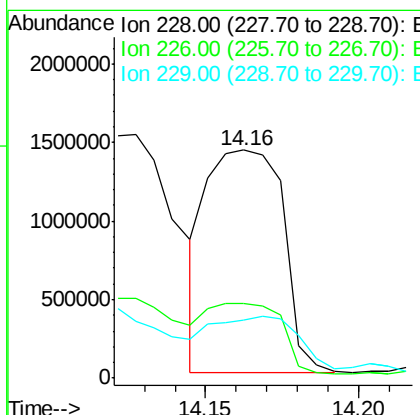
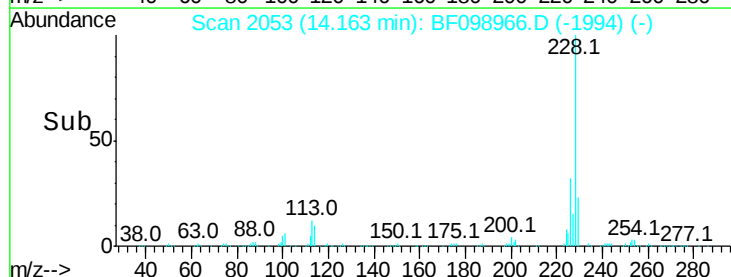
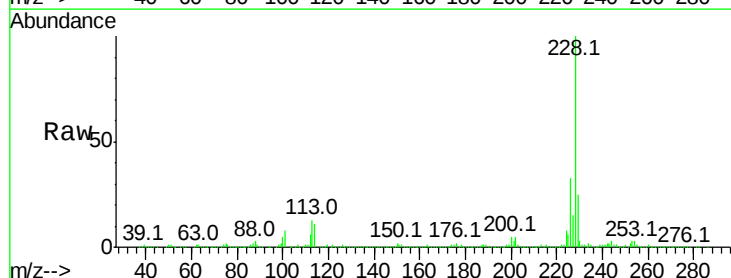
Manual Integrations
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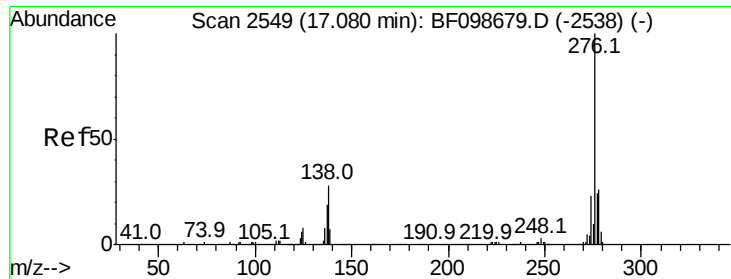
Sohil
10/2/2017 5:44:22 PM



#82
Chrysene
Concen: 392.800 ng m
RT: 14.16 min Scan# 2053
Delta R.T. 0.05 min
Lab File: BF098966.D
Acq: 30 Sep 2017 16:51

Tgt Ion:228 Resp: 2434504
Ion Ratio Lower Upper
228 100
226 32.8 25.0 37.6
229 25.2 16.2 24.4#





#85

Indeno(1,2,3-cd)pyrene

Concen: 400.653 ng

RT: 17.20 min Scan# 2569

Delta R.T. 0.11 min

Lab File: BF098966.D

Acq: 30 Sep 2017 16:51

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-SB-ESMI-5

Tot Ion:276 Resp: 1986390

Ion Ratio Lower Upper

276 100

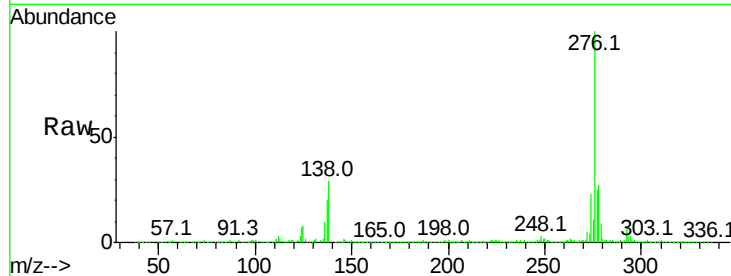
138 28.9 25.0 37.6

277 24.0 20.1 30.1

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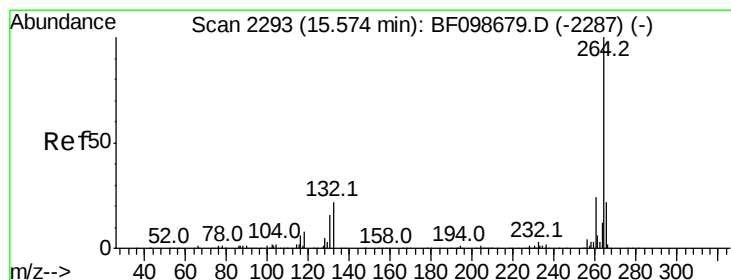
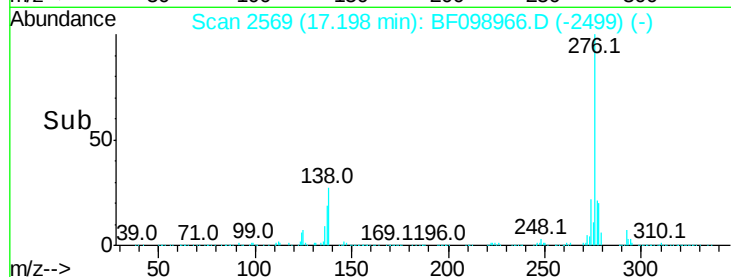
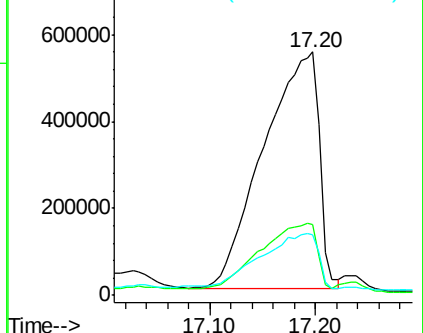
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Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.64 min Scan# 2304

Delta R.T. 0.06 min

Lab File: BF098966.D

Acq: 30 Sep 2017 16:51

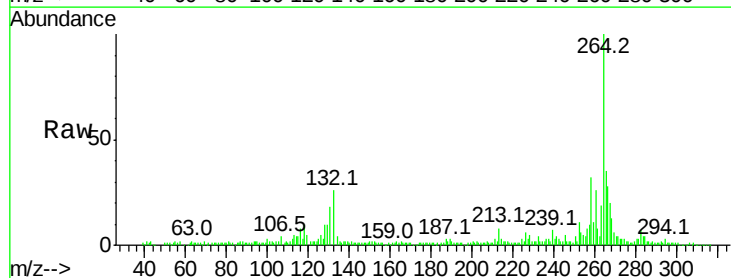
Tgt Ion:264 Resp: 206175

Ion Ratio Lower Upper

264 100

260 26.4 19.2 28.8

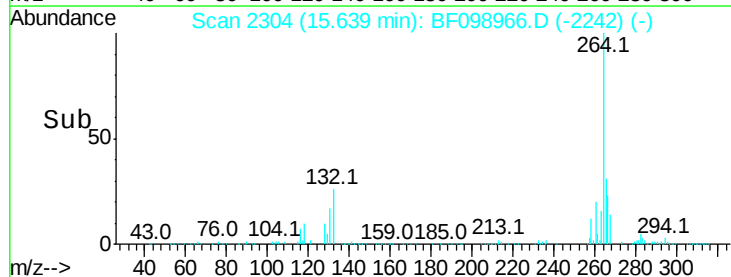
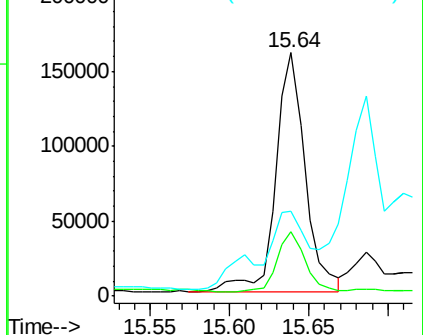
265 35.1 17.5 26.3#

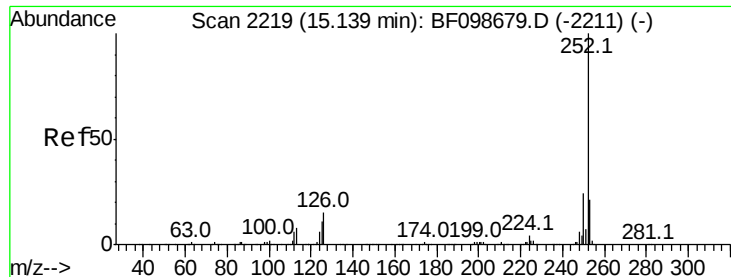


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 418.949 ng m

RT: 15.22 min Scan# 2232

Delta R.T. 0.08 min

Lab File: BF098966.D

Acq: 30 Sep 2017 16:51

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-SB-ESMI-5

Tot Ion:252 Resp: 5310805

Ion Ratio Lower Upper

252 100

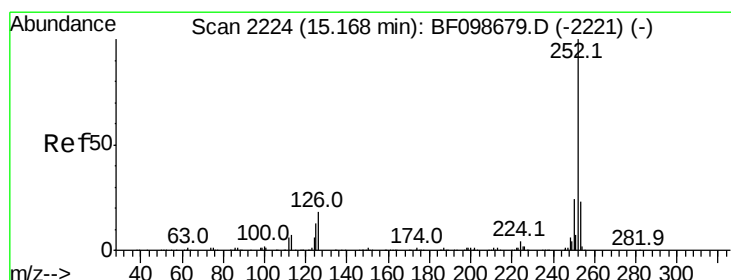
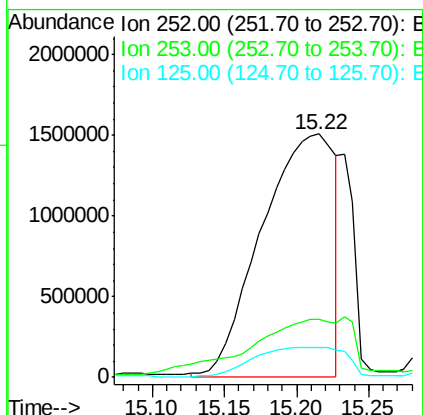
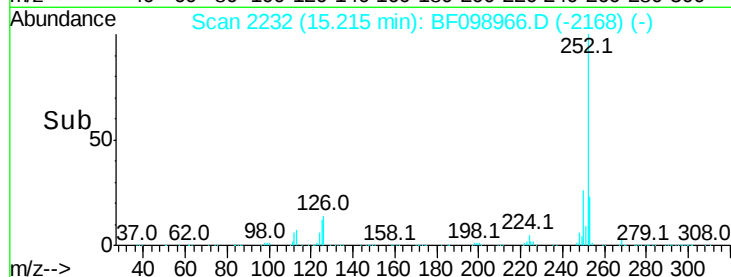
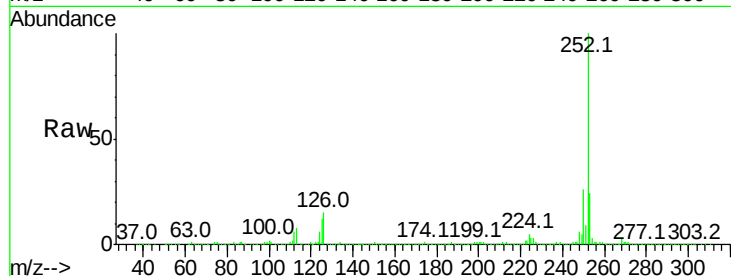
253 23.9 17.0 25.6

125 12.3 9.0 13.6

Manual Integrations
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Sohil

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#88

Benzo(k)fluoranthene

Concen: 77.500 ng m

RT: 15.23 min Scan# 2235

Delta R.T. 0.06 min

Lab File: BF098966.D

Acq: 30 Sep 2017 16:51

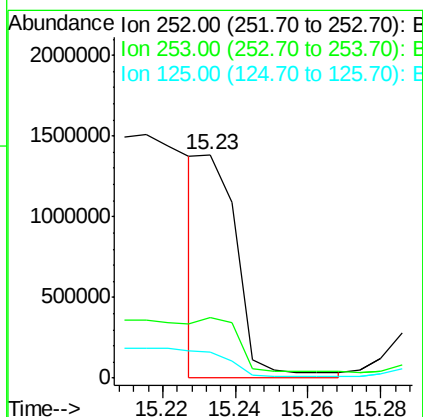
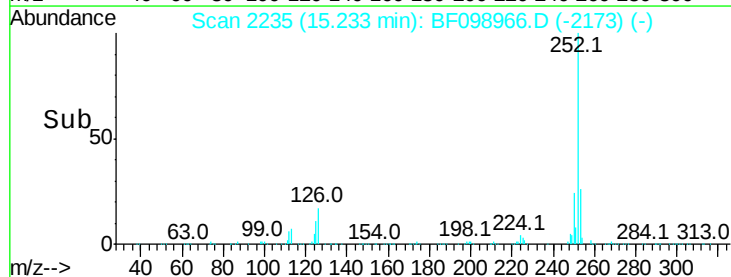
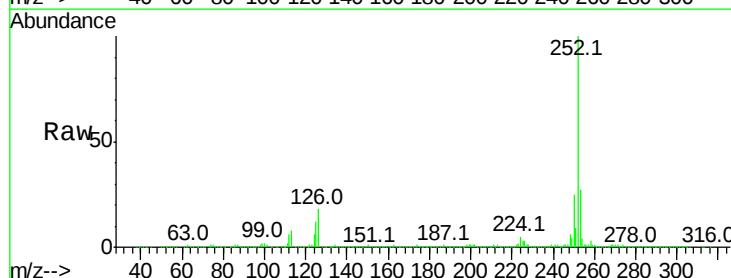
Tgt Ion:252 Resp: 970349

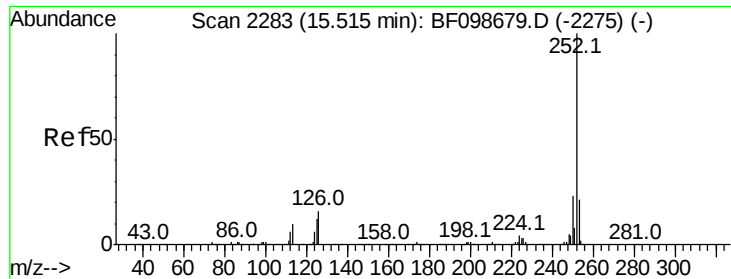
Ion Ratio Lower Upper

252 100

253 26.9 17.9 26.9#

125 11.8 10.2 15.2





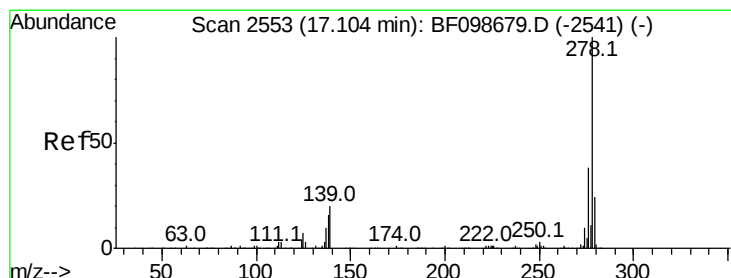
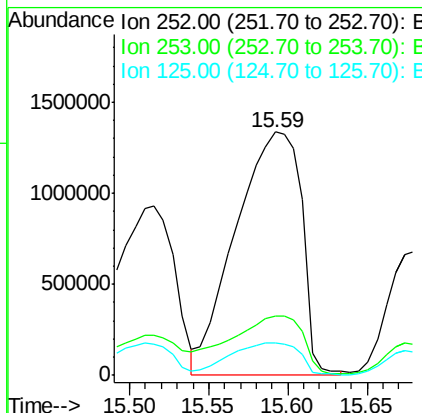
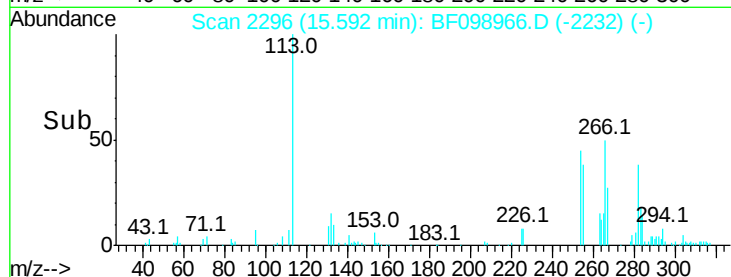
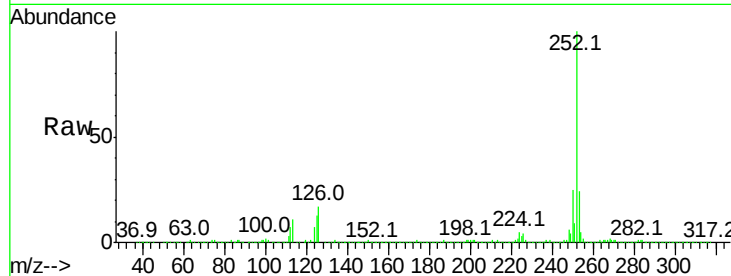
#89
Benzo(a)pyrene
Concen: 331.825 ng m
RT: 15.59 min Scan# 2296
Delta R.T. 0.08 min
Lab File: BF098966.D
Acq: 30 Sep 2017 16:51

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-5

Tot Ion:252 Resp: 3861153
Ion Ratio Lower Upper
252 100
253 24.4 17.1 25.7
125 13.1 9.8 14.6

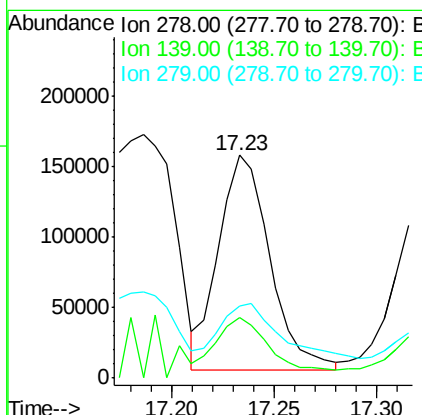
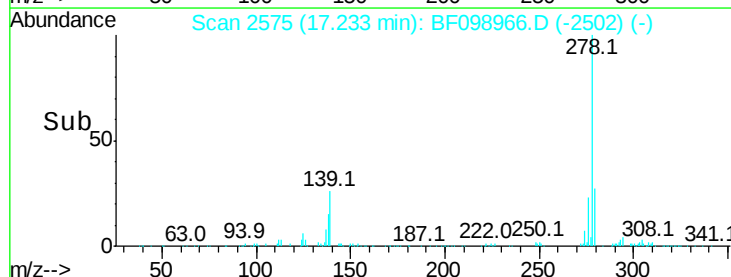
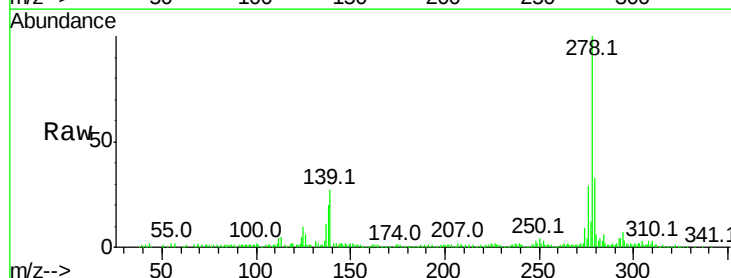
Manual Integrations
APPROVED

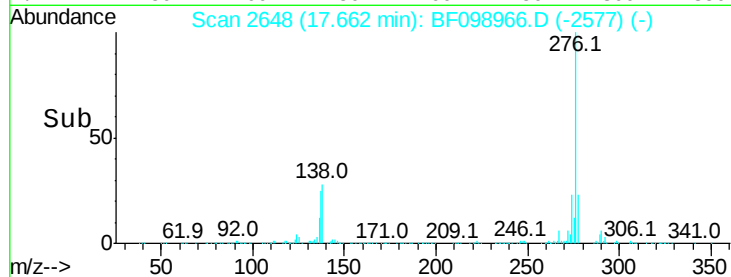
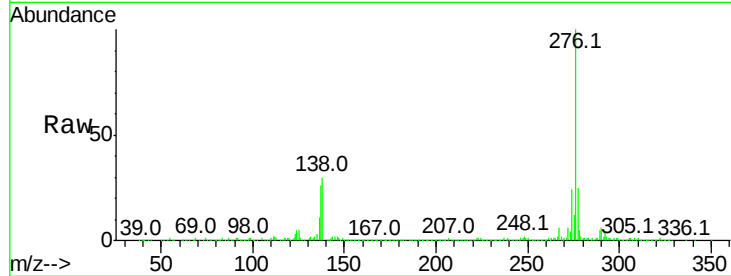
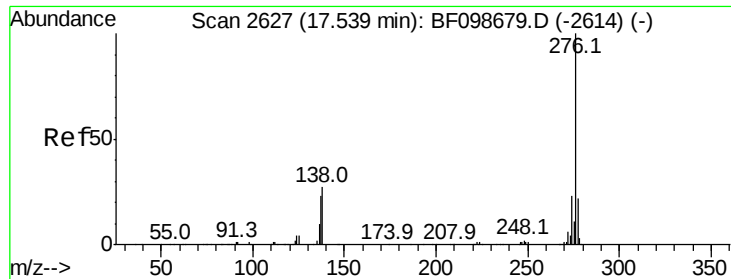
Sohil
10/2/2017 5:44:22 PM



#90
Dibenzo(a,h)anthracene
Concen: 28.507 ng m
RT: 17.23 min Scan# 2575
Delta R.T. 0.13 min
Lab File: BF098966.D
Acq: 30 Sep 2017 16:51

Tgt Ion:278 Resp: 265466
Ion Ratio Lower Upper
278 100
139 27.2 15.9 23.9#
279 32.6 19.0 28.4#





#91
 Benzo(a,h,i)perylene
 Concen: 187.588 ng
 RT: 17.66 min Scan# 2648
 Delta R.T. 0.12 min
 Lab File: BF098966.D
 Acq: 30 Sep 2017 16:51

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-SB-ESMI-5

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.2	17.9	26.9
138	30.3	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 10/2/2017 5:44:22 PM

