

Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
 Data File : BF098981.D
 Acq On : 30 Sep 2017 23:49
 Operator : SJ/JU
 Sample : I5563-03 50X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-SB-ESMI-3

Manual Integrations
 APPROVED

Sohil
 10/2/2017 5:44:50 PM

Quant Time: Oct 01 01:43:17 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	108464	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	401501	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	152499	20.00	ng	0.00
63) Phenanthrene-d10	11.44	188	232892	20.00	ng	0.00
75) Chrysene-d12	14.09	240	186865	20.00	ng	0.00
86) Perylene-d12	15.58	264	137838	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	14329	2.10	ng	-0.01
7) Phenol-d6	6.53	99	18065	2.15	ng	-0.01
23) Nitrobenzene-d5	7.47	82	9110	1.46	ng	-0.01
41) 2,4,6-Tribromophenol	10.75	330	1704	1.37	ng	0.00
44) 2-Fluorobiphenyl	9.27	172	20322	2.22	ng	-0.01
78) Terphenyl-d14	13.02	244	17501	2.13	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.23	128	3131808	166.082	ng	99
37) 2-Methylnaphthalene	8.92	142	1061546	86.596	ng	99
45) 1,1'-Biphenyl	9.37	154	299365	22.841	ng	98
48) Acenaphthylene	9.82	152	422985	28.079	ng	98
51) Acenaphthene	9.99	154	686774	71.970	ng	99
54) Dibenzofuran	10.16	168	792756	62.395	ng	98
57) Fluorene	10.51	166	812698	79.582	ng	98
70) Phenanthrene	11.48	178	2470276	198.160	ng	99
71) Anthracene	11.53	178	1044260	81.870	ng	100
72) Carbazole	11.67	167	229949	18.410	ng	100
74) Fluoranthene	12.67	202	1769554	140.182	ng	100
77) Pyrene	12.90	202	1527522	107.201	ng	100
80) Benzo(a)anthracene	14.08	228	784498m	69.332	ng	
82) Chrysene	14.12	228	574815	53.359	ng	98
85) Indeno(1,2,3-cd)pyrene	17.09	276	156810	18.197	ng	98
87) Benzo(b)fluoranthene	15.14	252	524548m	61.895	ng	
88) Benzo(k)fluoranthene	15.17	252	164047m	19.598	ng	
89) Benzo(a)pyrene	15.52	252	390936	50.253	ng	# 94
90) Dibenzo(a,h)anthracene	17.10	278	44116	7.086	ng	# 85
91) Benzo(a,h,i)perylene	17.56	276	133129	21.633	ng	97

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

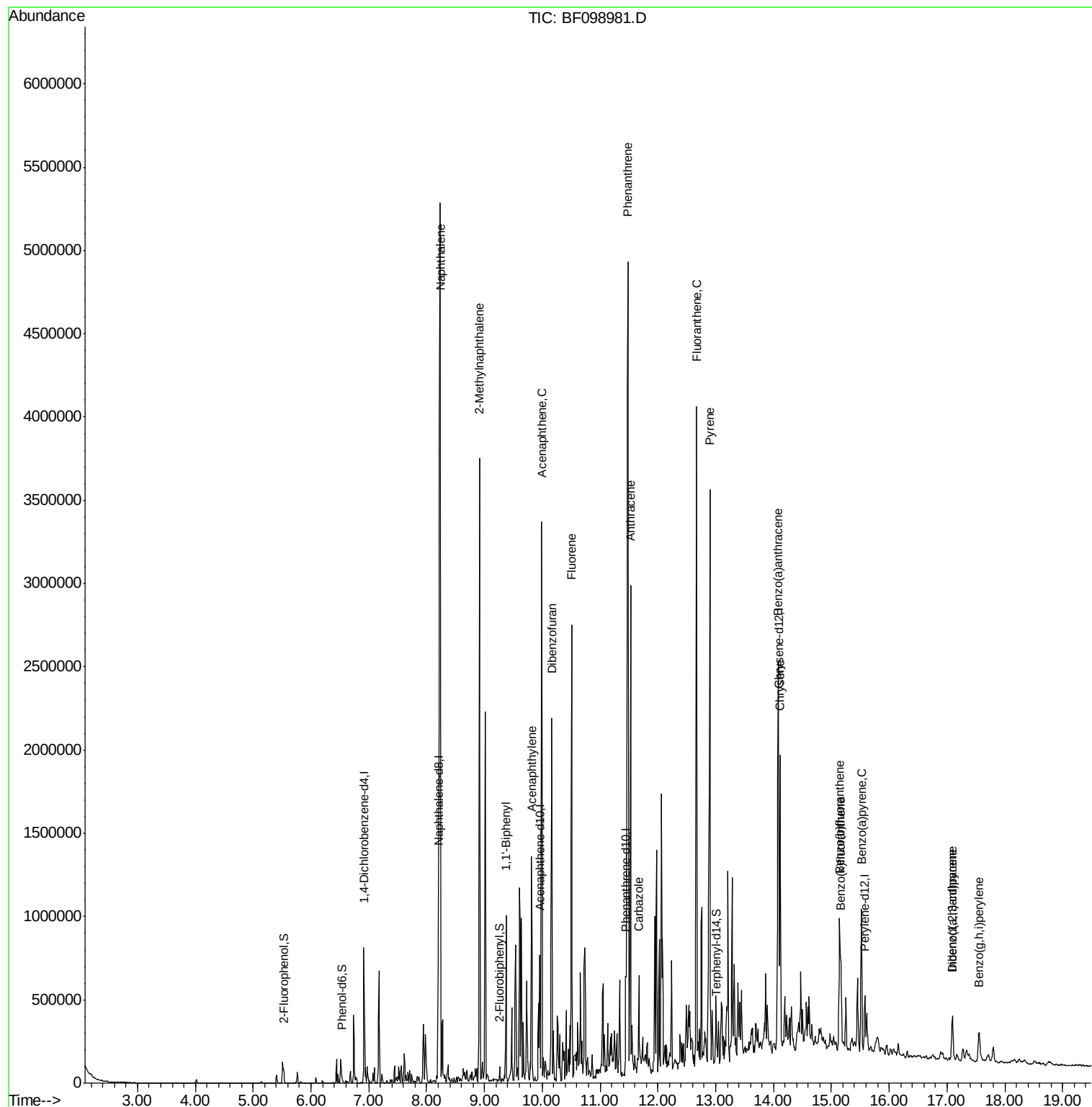
Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
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ALS Vial : 25 Sample Multiplier: 1

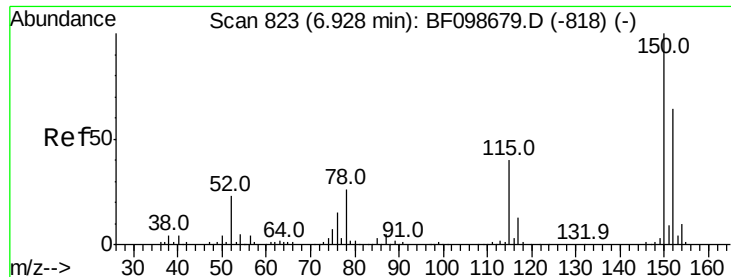
Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-3

Manual Integrations
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10/2/2017 5:44:50 PM

Quant Time: Oct 01 01:43:17 2017
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#1

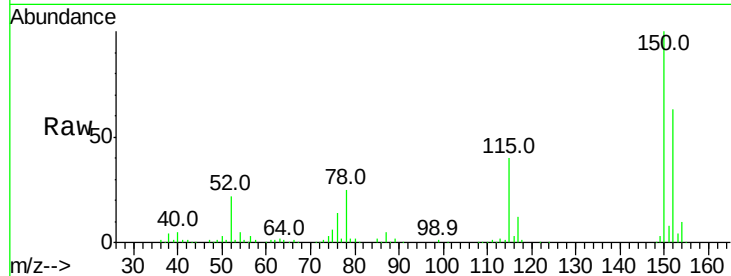
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.92 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: BF098981.D
 Acq: 30 Sep 2017 23:49

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-SB-ESMI-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	124.6	186.8
115	62.4	50.1	75.1

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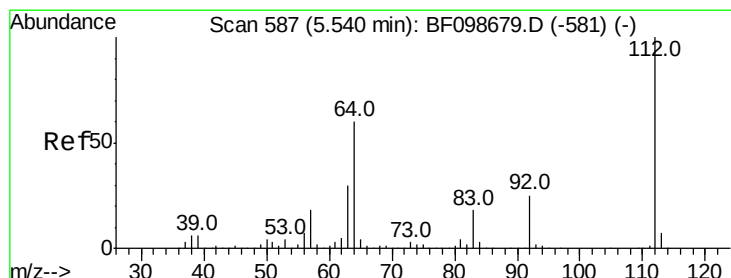
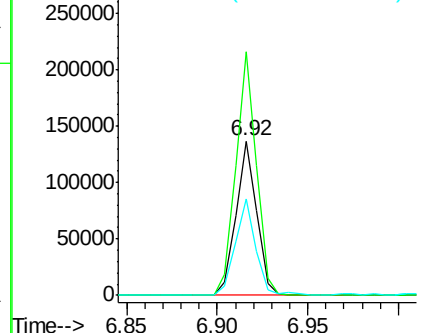
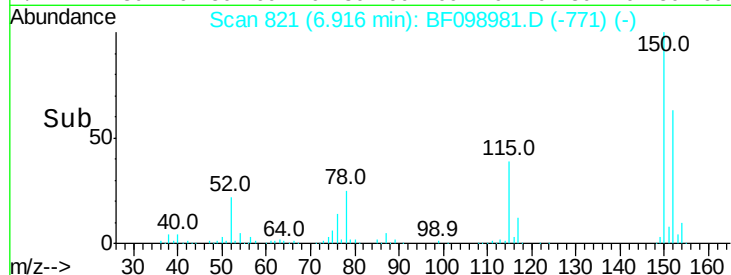


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

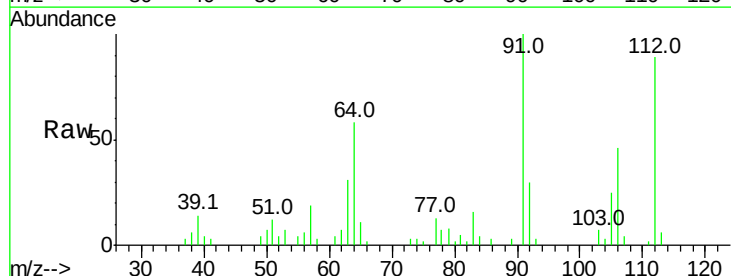
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 2.103 ng
 RT: 5.53 min Scan# 585
 Delta R.T. -0.01 min
 Lab File: BF098981.D
 Acq: 30 Sep 2017 23:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.8	47.9	71.9
63	34.3	23.7	35.5

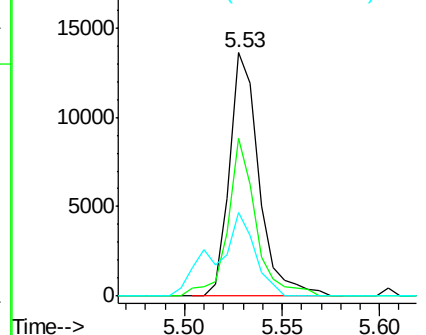
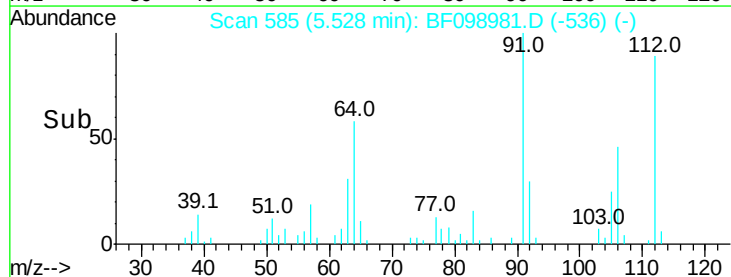


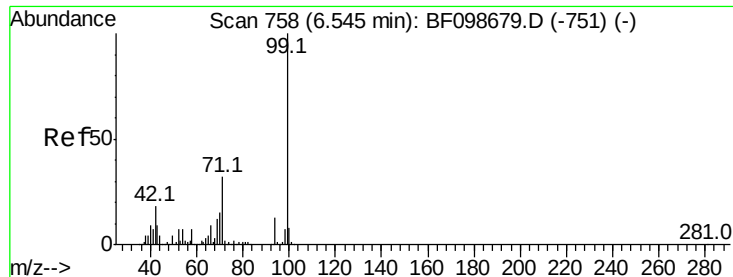
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 2.149 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF098981.D

Acq: 30 Sep 2017 23:49

Instrument :

BNA_F

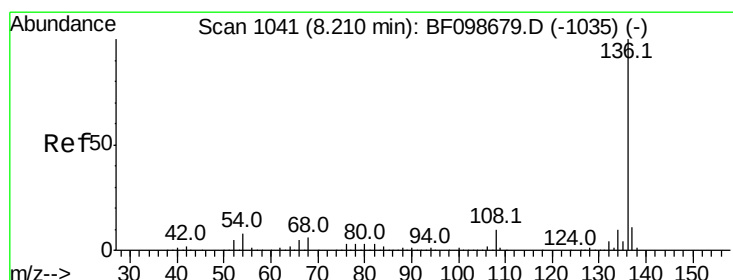
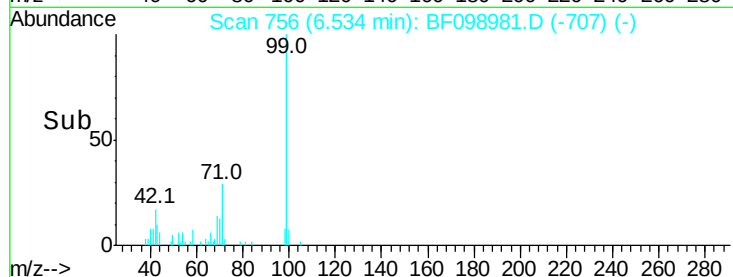
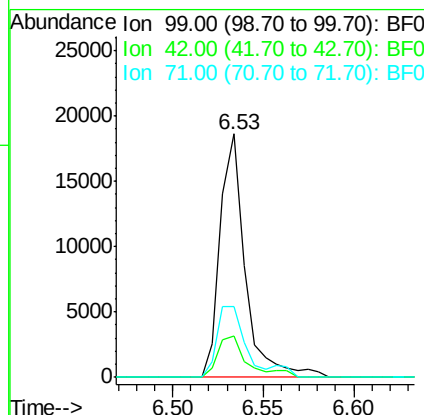
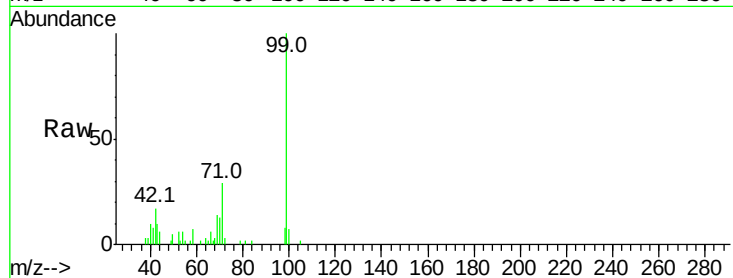
ClientSampleId :

NYSEG-PH4-SB-ESMI-3

Tot Ion:	99	Resp:	18065
Ion Ratio	Lower	Upper	
99	100		
42	16.9	14.5	21.7
71	29.0	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

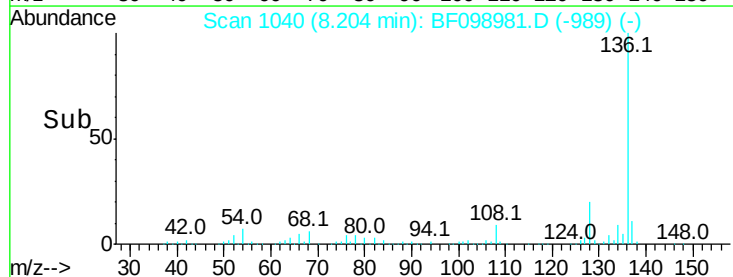
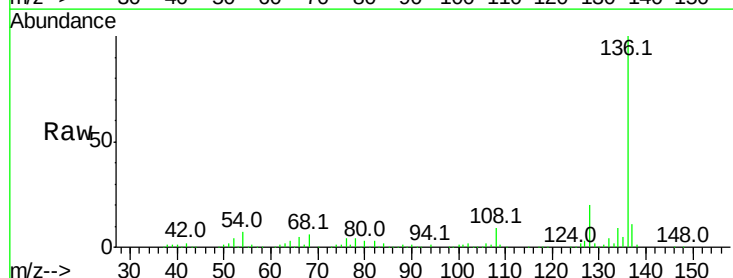
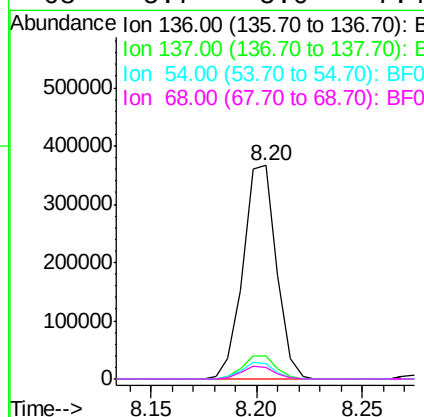
RT: 8.20 min Scan# 1040

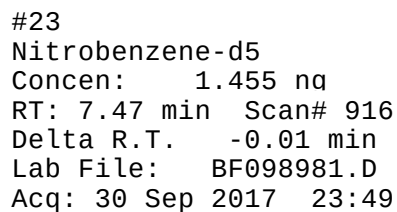
Delta R.T. -0.00 min

Lab File: BF098981.D

Acq: 30 Sep 2017 23:49

Tgt Ion:	136	Resp:	401501
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	7.0	6.6	9.8
68	5.7	5.0	7.4



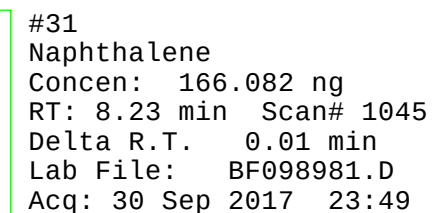
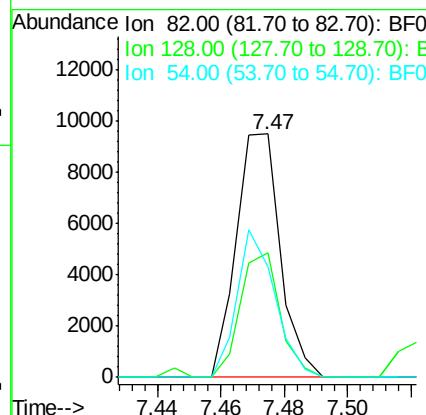


Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-3

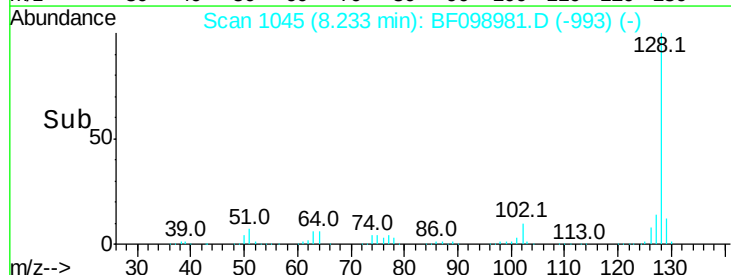
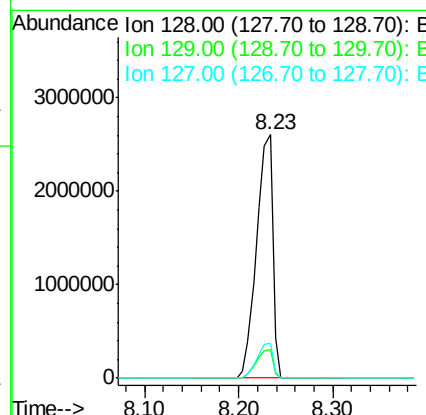
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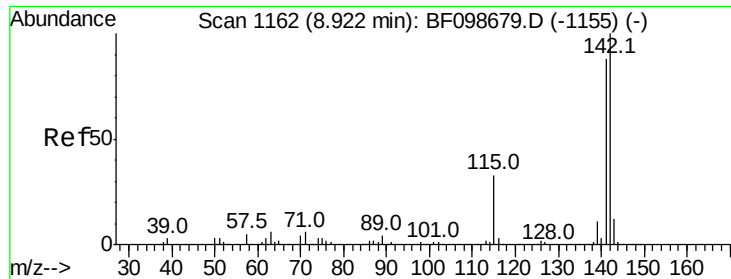
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Tot	Ion: 82	Resp:	9110
Ion	Ratio	Lower	Upper
82	100		
128	51.4	36.1	54.1
54	45.4	41.4	62.2



Tgt	Ion:128	Resp:	3131808
Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.8	13.2
127	14.2	10.9	16.3





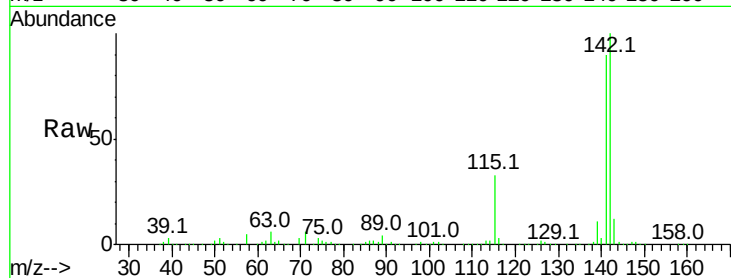
#37
2-Methylnaphthalene
Concen: 86.596 ng
RT: 8.92 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BF098981.D
Acq: 30 Sep 2017 23:49

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-3

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.9	70.8	106.2
115	32.7	26.1	39.1

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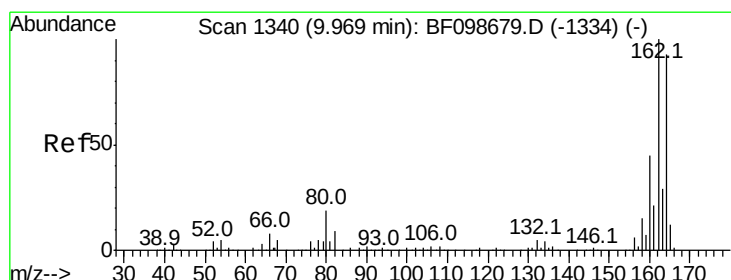
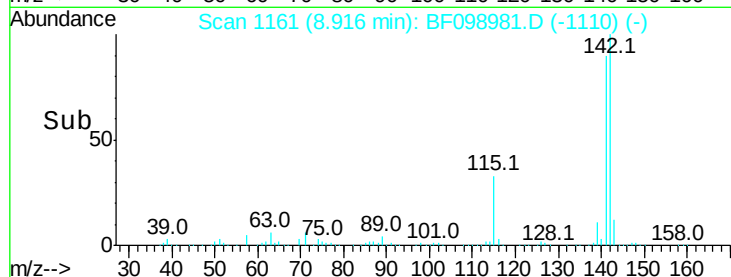
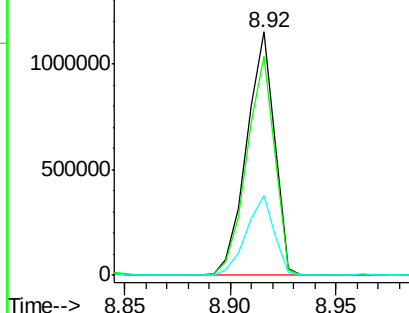


Abundance

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# 1338
Delta R.T. -0.01 min
Lab File: BF098981.D
Acq: 30 Sep 2017 23:49

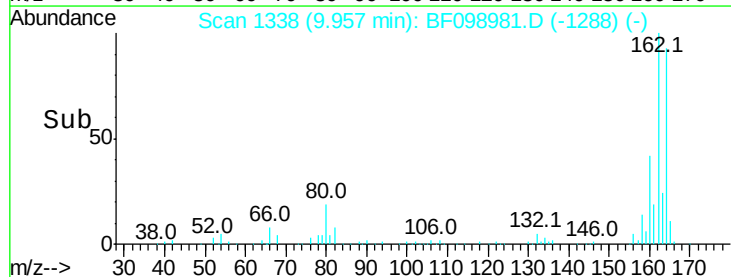
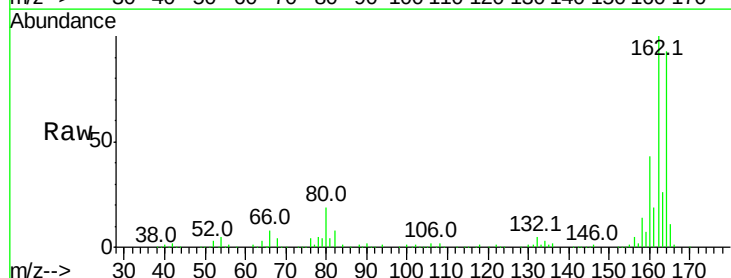
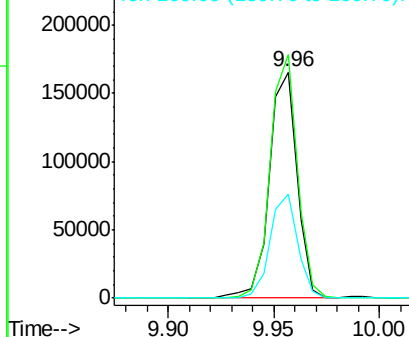
Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.6	86.1	129.1
160	45.9	38.3	57.5

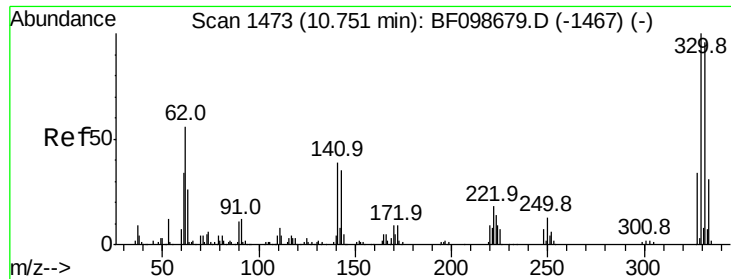
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 1.366 ng

RT: 10.75 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BF098981.D

Acq: 30 Sep 2017 23:49

Instrument :

BNA_F

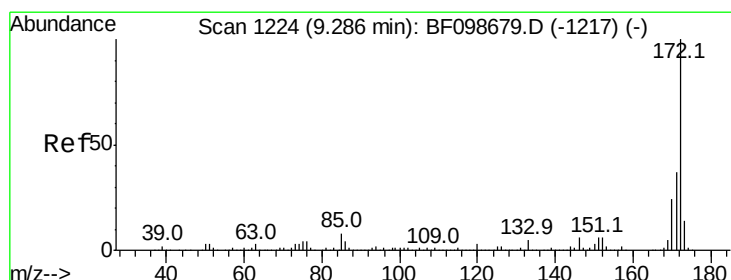
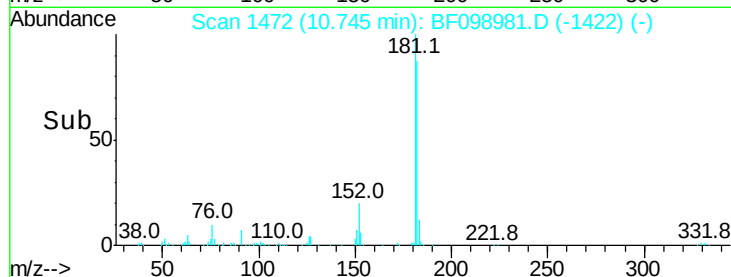
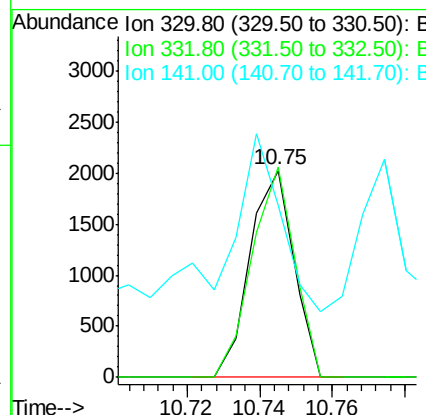
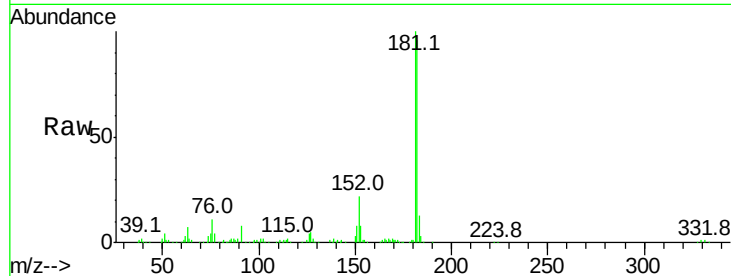
ClientSampleId :

NYSEG-PH4-SB-ESMI-3

Tot Ion:	330	Resp:	1704
Ion Ratio	Lower	Upper	
330	100		
332	98.5	77.0	115.6
141	120.7	29.9	44.9#

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#44

2-Fluorobiphenyl

Concen: 2.225 ng

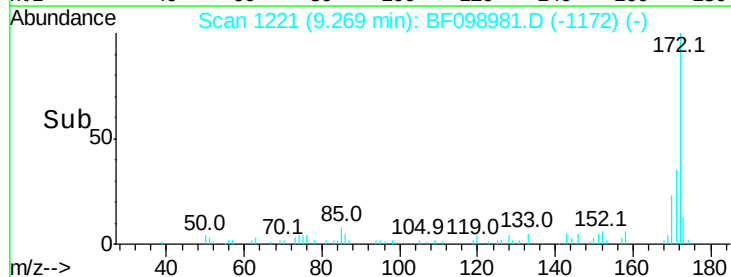
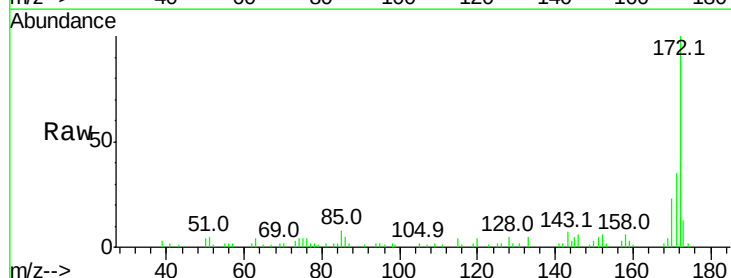
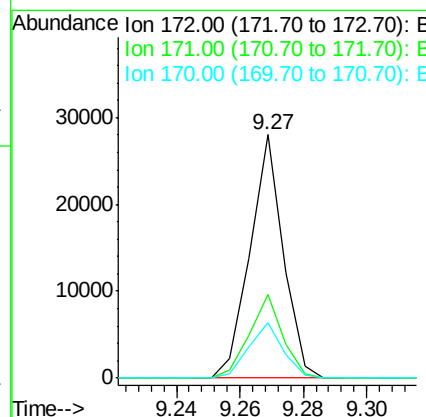
RT: 9.27 min Scan# 1221

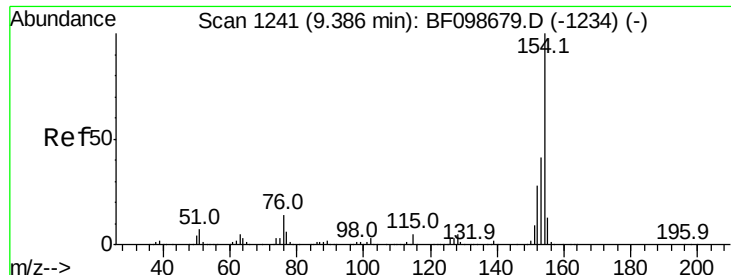
Delta R.T. -0.01 min

Lab File: BF098981.D

Acq: 30 Sep 2017 23:49

Tgt Ion:	172	Resp:	20322
Ion Ratio	Lower	Upper	
172	100		
171	34.6	29.7	44.5
170	22.8	19.6	29.4





#45

1,1'-Biphenyl

Concen: 22.841 ng

RT: 9.37 min Scan# 1239

Delta R.T. -0.01 min

Lab File: BF098981.D

Acq: 30 Sep 2017 23:49

Instrument :

BNA_F

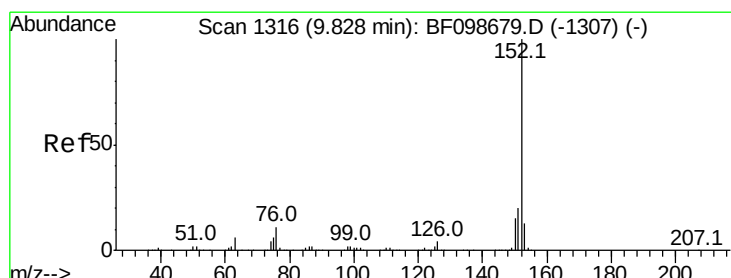
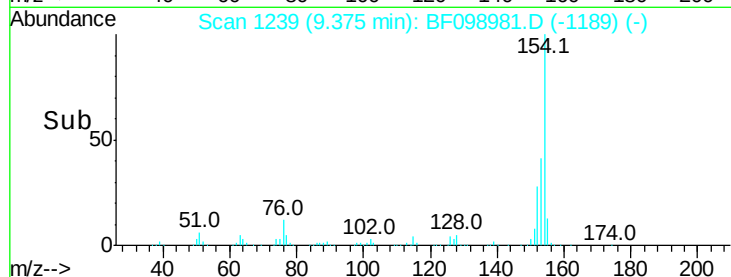
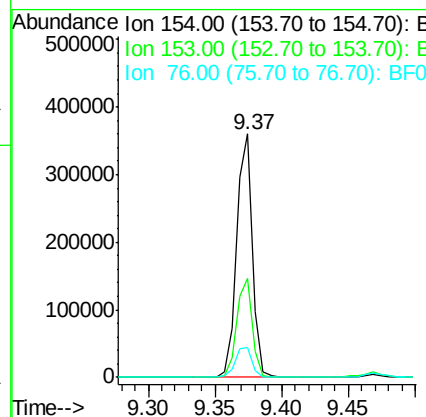
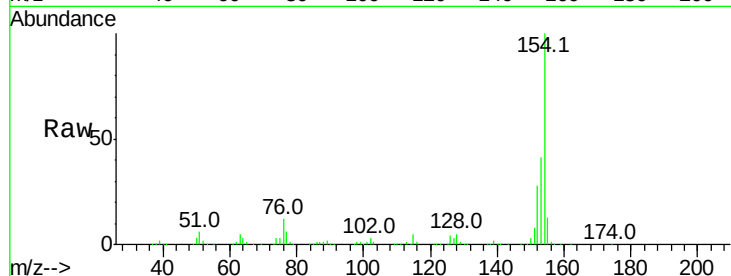
ClientSampleId :

NYSEG-PH4-SB-ESMI-3

Tot Ion:	154	Resp:	299365
Ion Ratio	Lower	Upper	
154	100		
153	40.5	21.3	61.3
76	12.3	0.0	34.0

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#48

Acenaphthylene

Concen: 28.079 ng

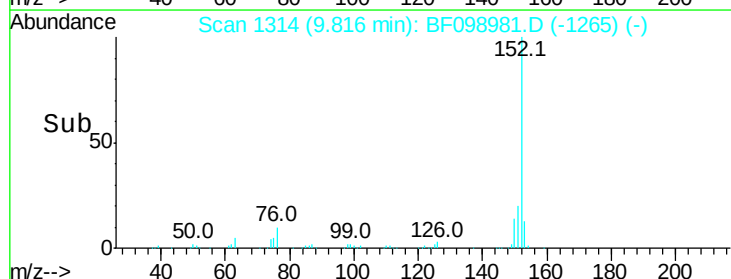
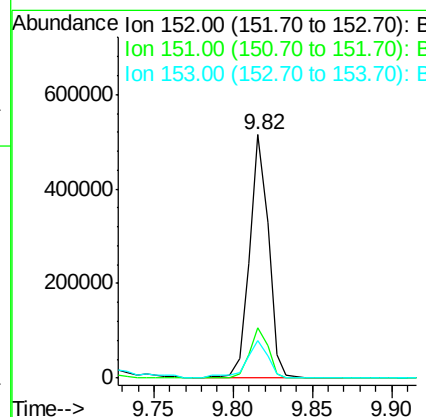
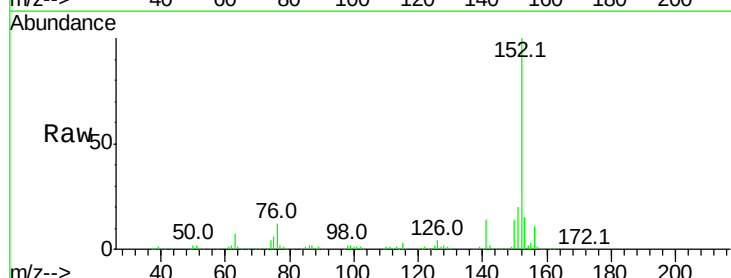
RT: 9.82 min Scan# 1314

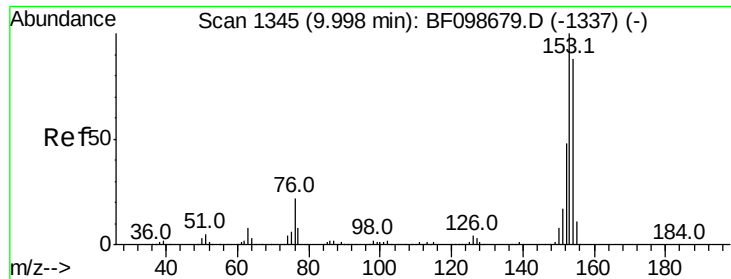
Delta R.T. -0.01 min

Lab File: BF098981.D

Acq: 30 Sep 2017 23:49

Tgt Ion:	152	Resp:	422985
Ion Ratio	Lower	Upper	
152	100		
151	20.4	16.3	24.5
153	15.4	10.7	16.1





#51

Acenaphthene

Concen: 71.970 ng

RT: 9.99 min Scan# 1344

Delta R.T. -0.01 min

Lab File: BF098981.D

Acq: 30 Sep 2017 23:49

Instrument :

BNA_F

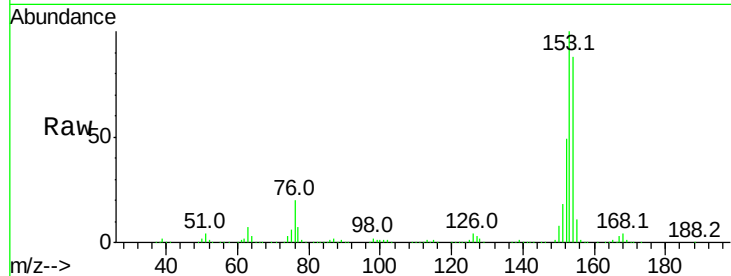
ClientSampleId :

NYSEG-PH4-SB-ESMI-3

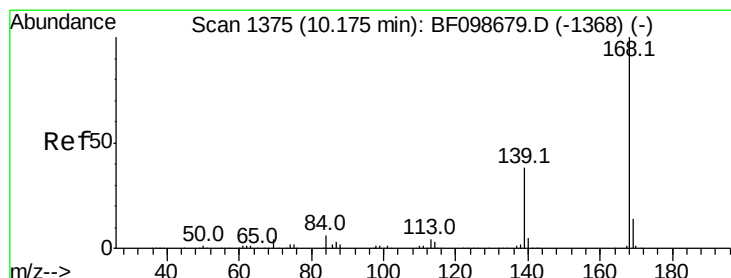
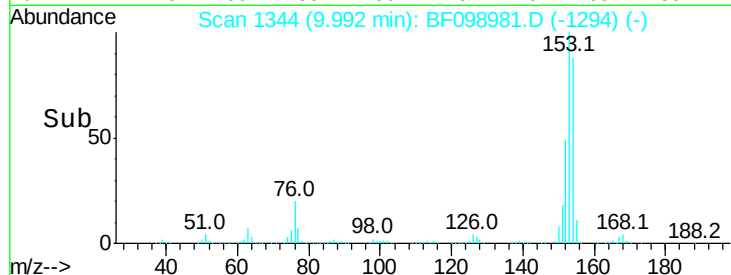
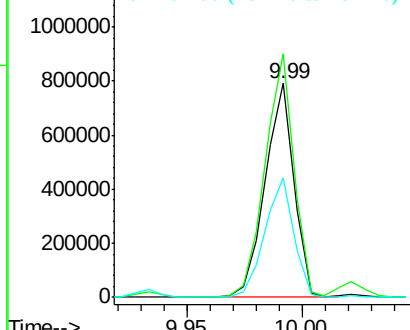
Tot Ion:	154	Resp:	686774
Ion Ratio	Lower	Upper	
154	100		
153	113.8	91.2	136.8
152	56.0	43.8	65.8

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



#54

Dibenzofuran

Concen: 62.395 ng

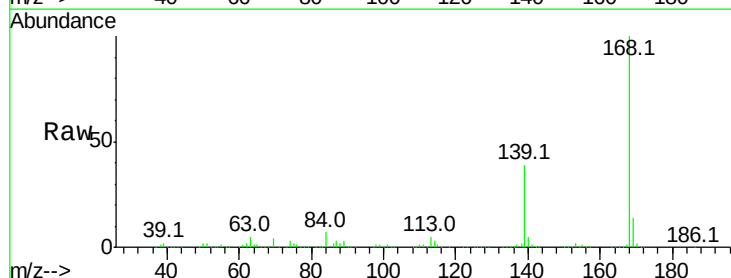
RT: 10.16 min Scan# 1373

Delta R.T. -0.01 min

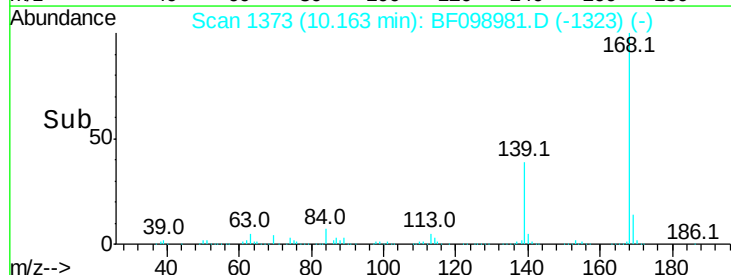
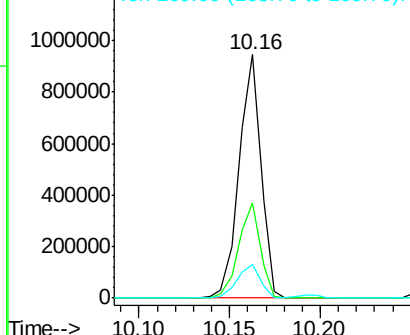
Lab File: BF098981.D

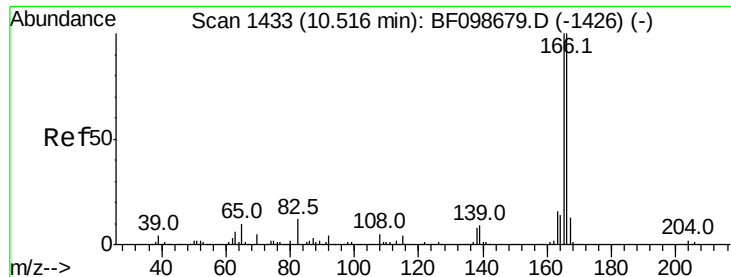
Acq: 30 Sep 2017 23:49

Tgt Ion:	168	Resp:	792756
Ion Ratio	Lower	Upper	
168	100		
139	38.8	30.1	45.1
169	13.9	10.9	16.3



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





#57

Fluorene

Concen: 79.582 ng

RT: 10.51 min Scan# 1432

Delta R.T. -0.00 min

Lab File: BF098981.D

Acq: 30 Sep 2017 23:49

Instrument :

BNA_F

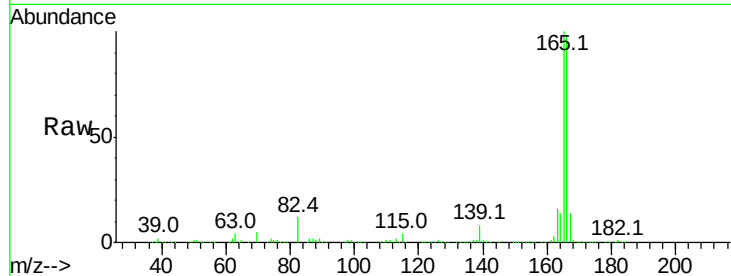
ClientSampleId :

NYSEG-PH4-SB-ESMI-3

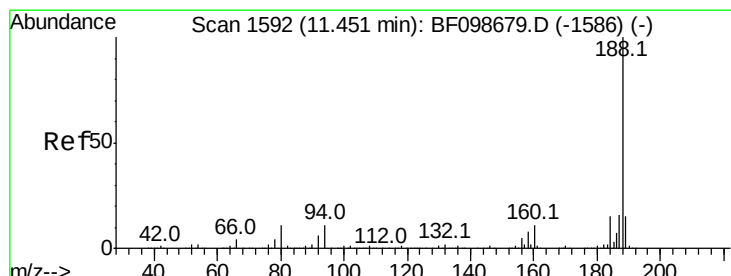
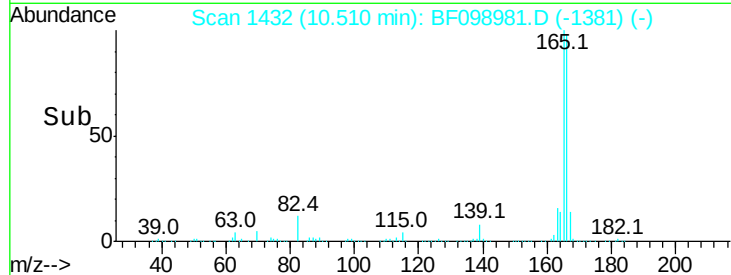
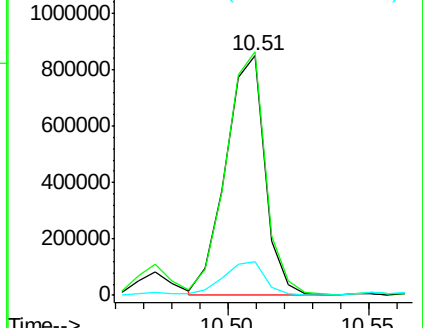
Tot Ion:	166	Resp:	812698
Ion Ratio	Lower	Upper	
166	100		
165	101.7	79.8	119.8
167	14.2	10.6	16.0

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Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.44 min Scan# 1591

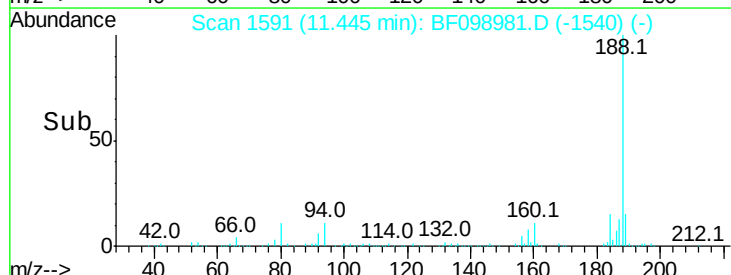
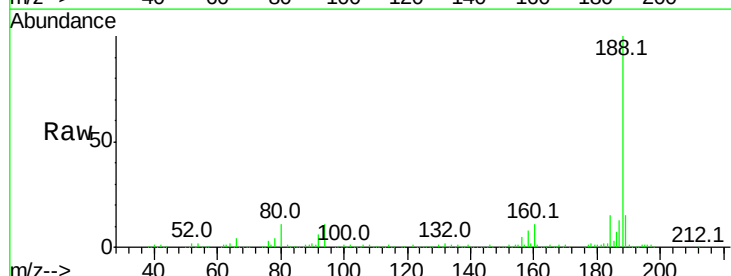
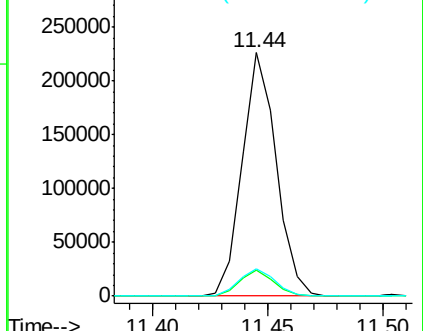
Delta R.T. -0.00 min

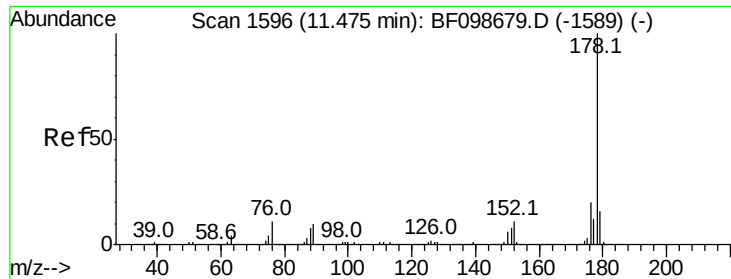
Lab File: BF098981.D

Acq: 30 Sep 2017 23:49

Tgt Ion:	188	Resp:	232892
Ion Ratio	Lower	Upper	
188	100		
94	10.7	8.5	12.7
80	11.3	9.2	13.8

Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





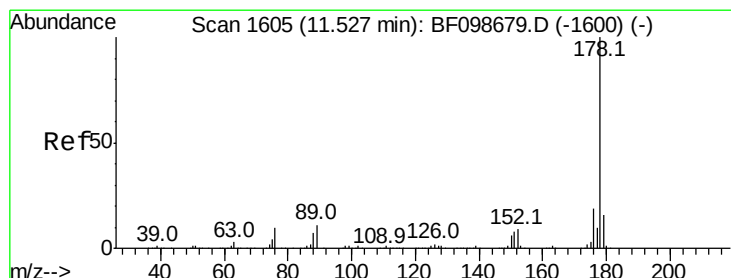
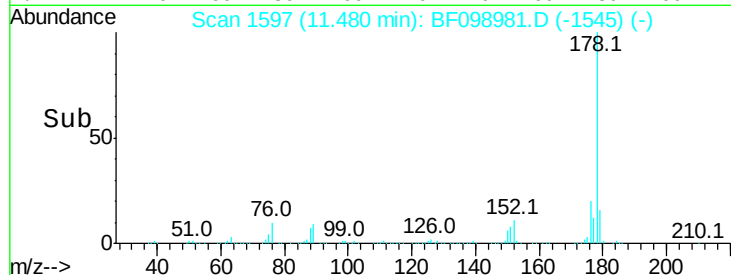
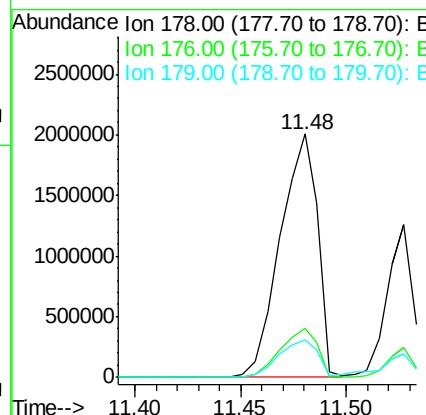
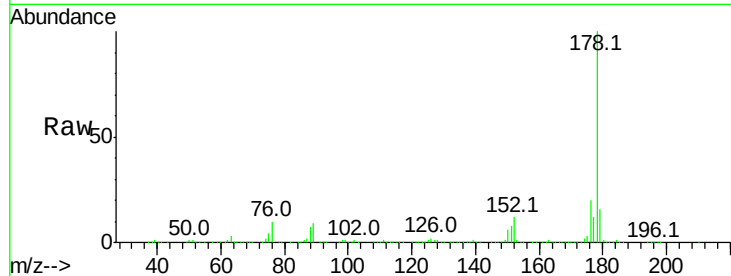
#70
Phenanthrene
Concen: 198.160 ng
RT: 11.48 min Scan# 1597
Delta R.T. 0.01 min
Lab File: BF098981.D
Acq: 30 Sep 2017 23:49

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-3

Tot Ion:178 Resp: 2470276
Ion Ratio Lower Upper
178 100
176 20.2 15.8 23.8
179 15.6 13.0 19.6

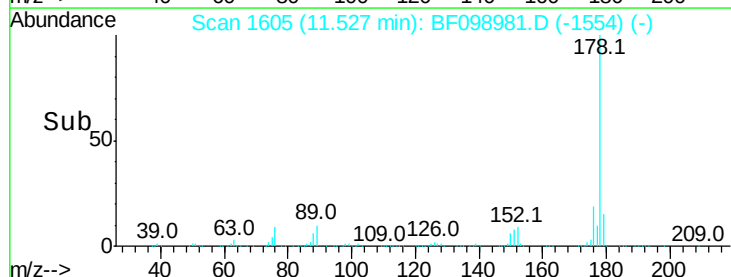
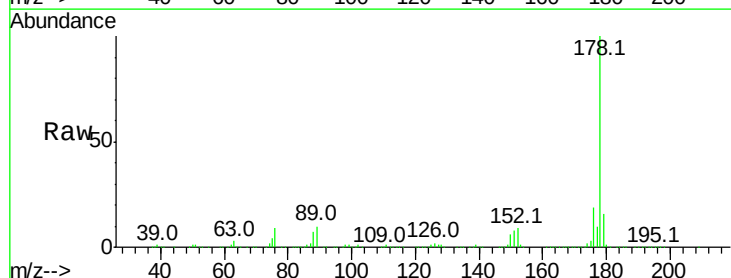
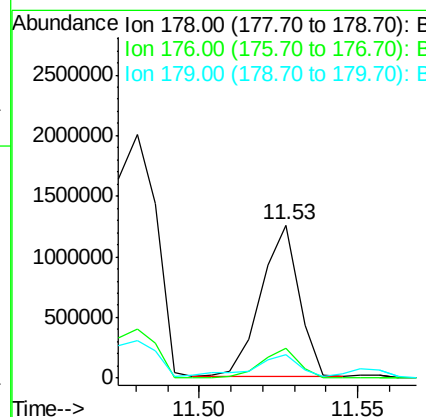
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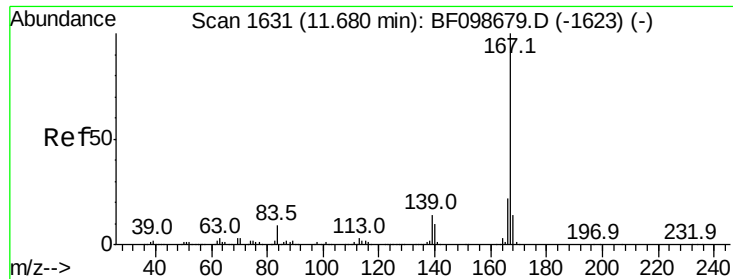
Sohil
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#71
Anthracene
Concen: 81.870 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.00 min
Lab File: BF098981.D
Acq: 30 Sep 2017 23:49

Tgt Ion:178 Resp: 1044260
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 15.8 12.6 19.0





#72

Carbazole

Concen: 18.410 ng

RT: 11.67 min Scan# 1630

Delta R.T. -0.00 min

Lab File: BF098981.D

Acq: 30 Sep 2017 23:49

Instrument :

BNA_F

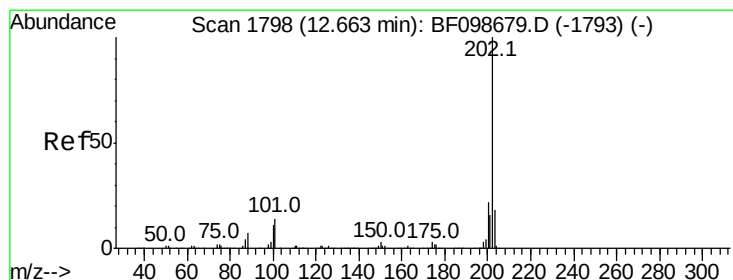
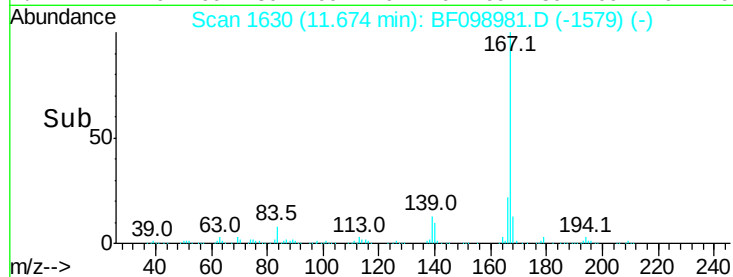
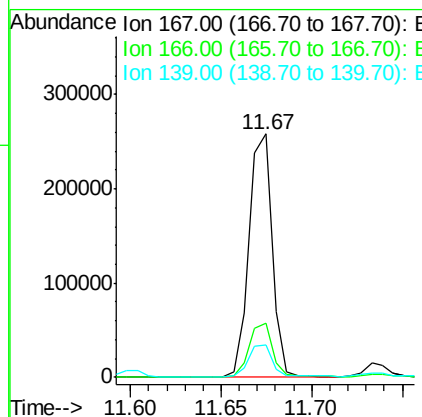
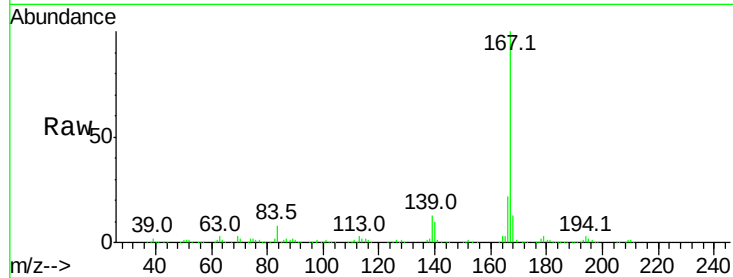
ClientSampleId :

NYSEG-PH4-SB-ESMI-3

Tot Ion:	167	Resp:	229949
Ion Ratio	Lower	Upper	
167	100		
166	22.1	17.6	26.4
139	13.4	10.9	16.3

Manual Integrations
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#74

Fluoranthene

Concen: 140.182 ng

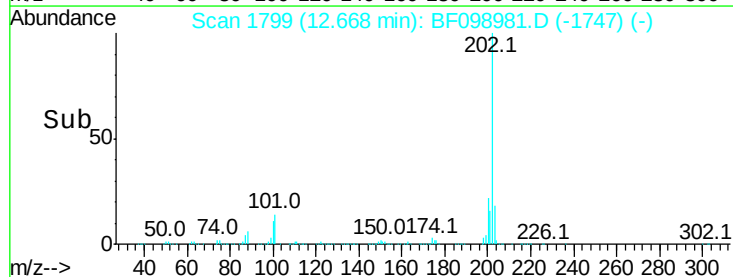
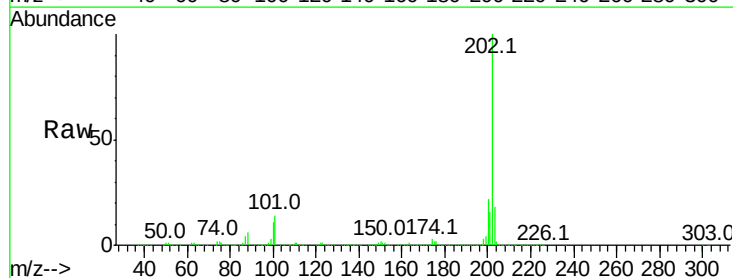
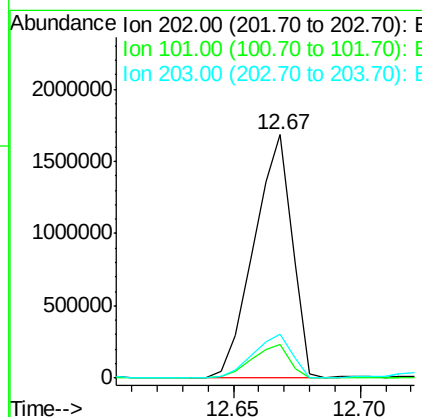
RT: 12.67 min Scan# 1799

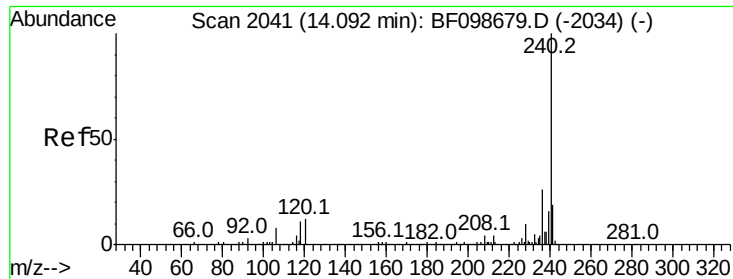
Delta R.T. 0.01 min

Lab File: BF098981.D

Acq: 30 Sep 2017 23:49

Tgt Ion:	202	Resp:	1769554
Ion Ratio	Lower	Upper	
202	100		
101	13.9	0.0	34.1
203	18.1	0.0	38.1





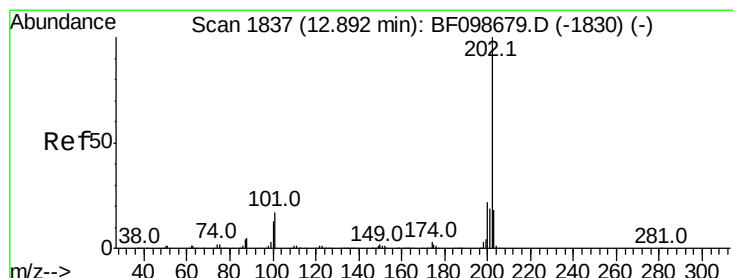
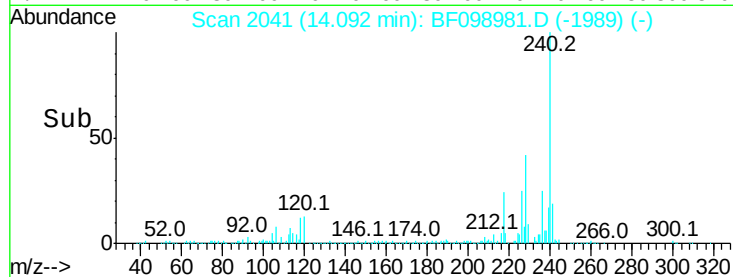
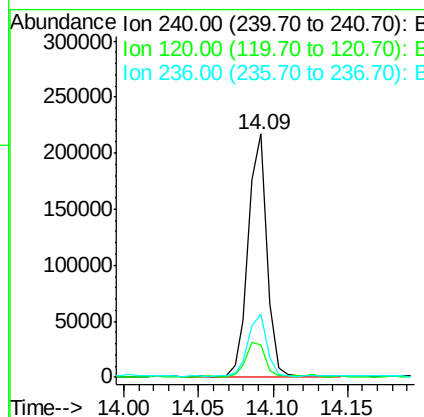
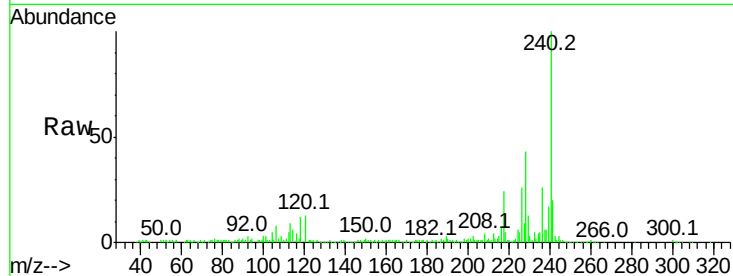
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.09 min Scan# 2041
Delta R.T. 0.01 min
Lab File: BF098981.D
Acq: 30 Sep 2017 23:49

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-3

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.4	9.5	14.3
236	25.7	20.7	31.1

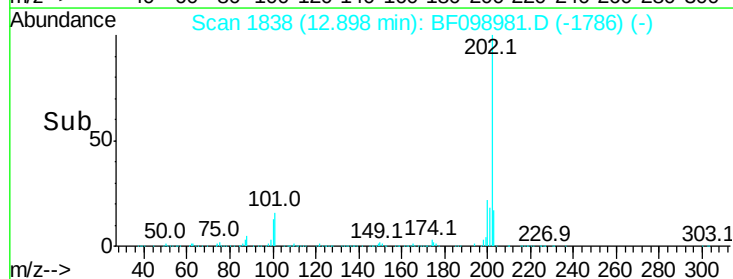
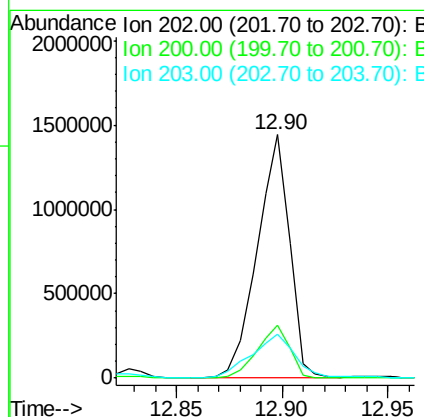
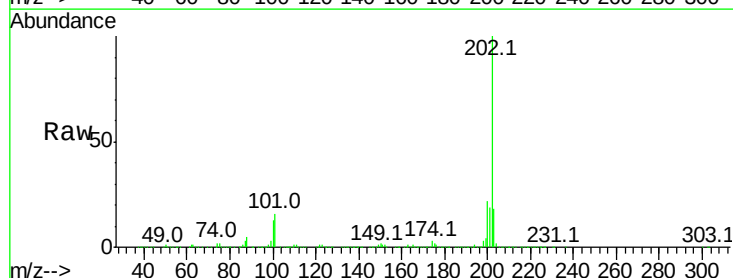
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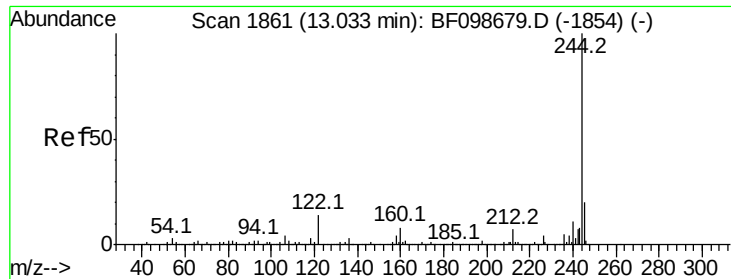
Sohil
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#77
Pyrene
Concen: 107.201 ng
RT: 12.90 min Scan# 1838
Delta R.T. 0.01 min
Lab File: BF098981.D
Acq: 30 Sep 2017 23:49

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.4	26.2
203	18.2	14.3	21.5





#78

Terphenyl-d14

Concen: 2.130 ng

RT: 13.02 min Scan# 1859

Delta R.T. -0.01 min

Lab File: BF098981.D

Acq: 30 Sep 2017 23:49

Instrument :

BNA_F

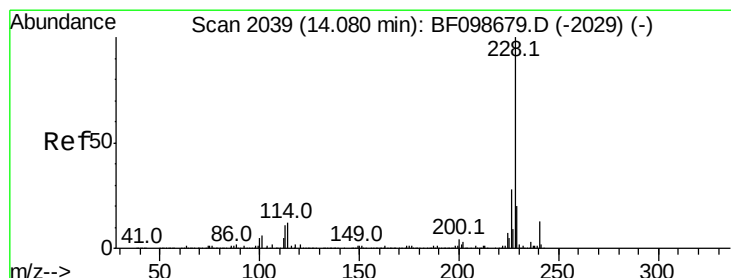
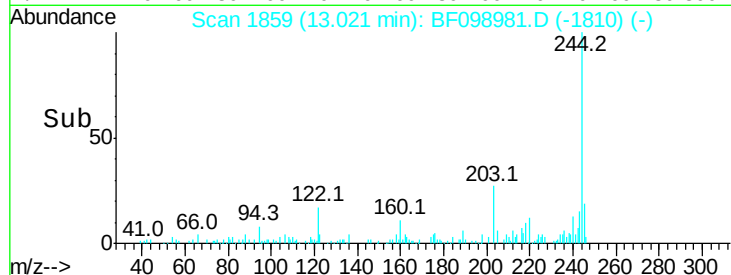
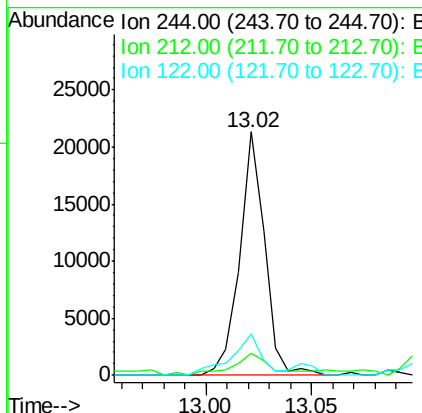
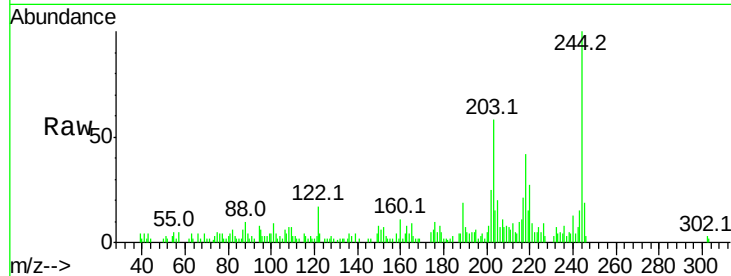
ClientSampleId :

NYSEG-PH4-SB-ESMI-3

Tot Ion:	244	Resp:	17501
Ion Ratio	Lower	Upper	
244	100		
212	9.2	5.4	8.0#
122	21.0	11.0	16.4#

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 69.332 ng m

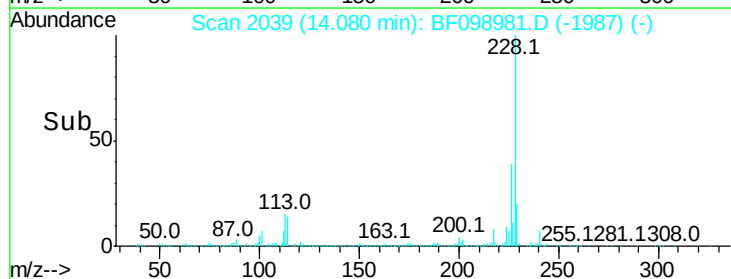
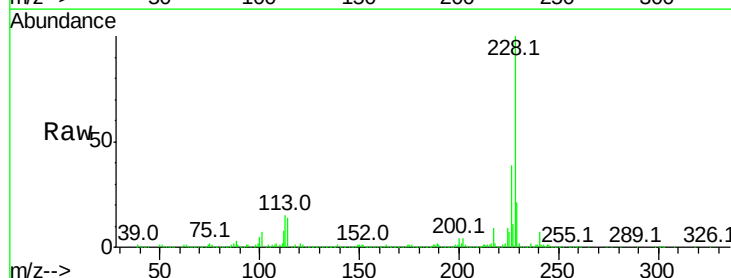
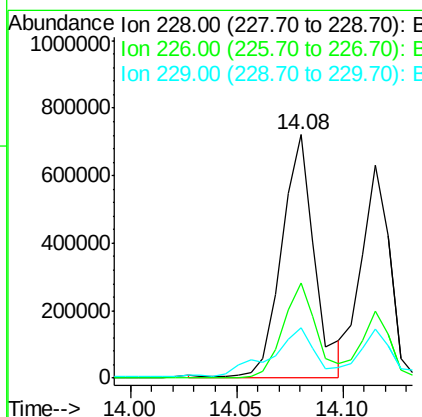
RT: 14.08 min Scan# 2039

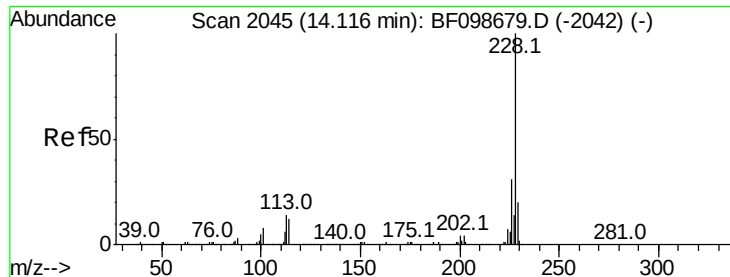
Delta R.T. 0.01 min

Lab File: BF098981.D

Acq: 30 Sep 2017 23:49

Tgt Ion:	228	Resp:	784498
Ion Ratio	Lower	Upper	
228	100		
226	38.9	22.6	33.8#
229	20.6	15.8	23.6





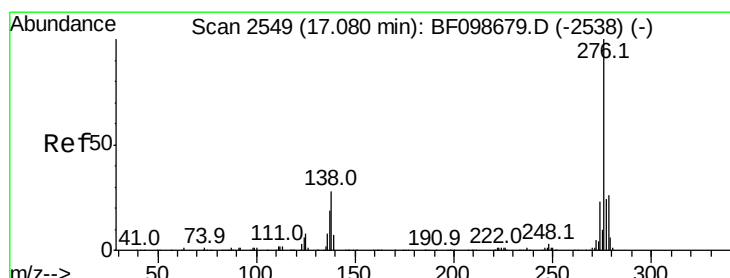
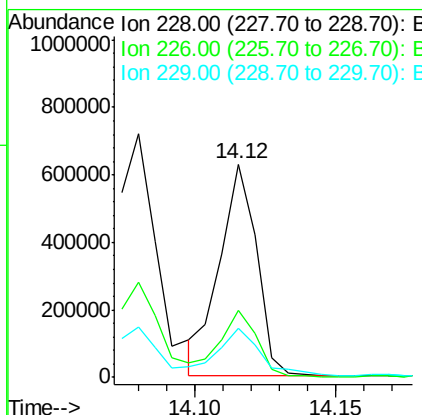
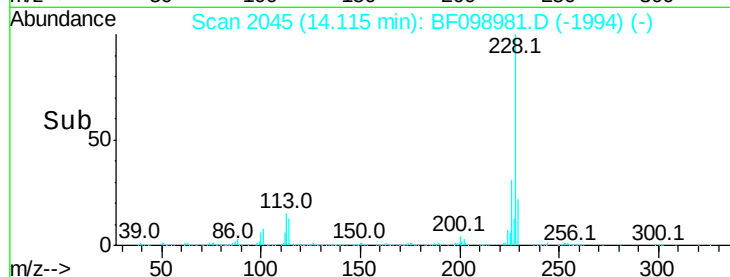
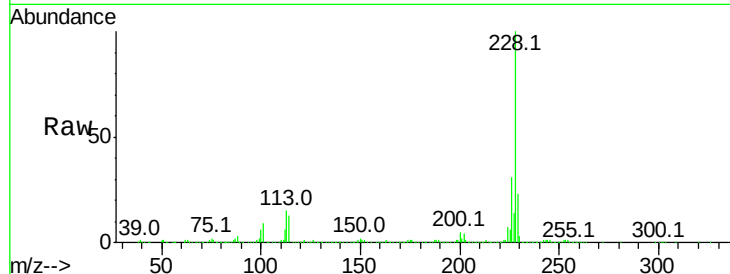
#82
Chrysene
Concen: 53.359 ng
RT: 14.12 min Scan# 2045
Delta R.T. -0.00 min
Lab File: BF098981.D
Acq: 30 Sep 2017 23:49

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-3

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.0	37.6
229	23.1	16.2	24.4

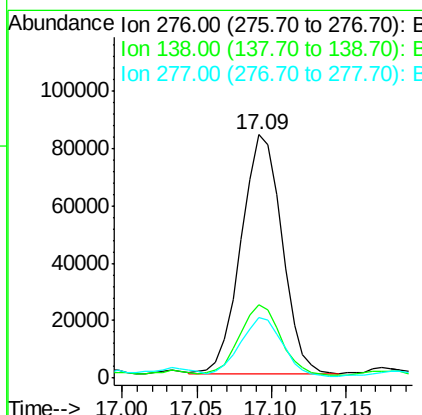
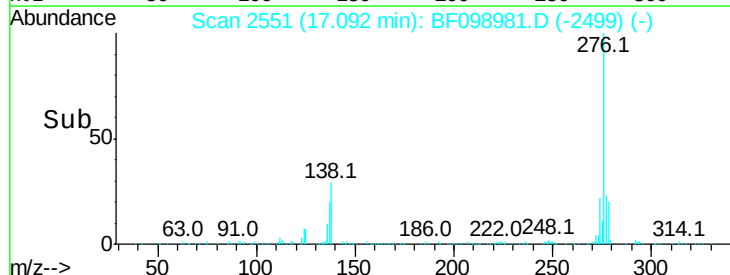
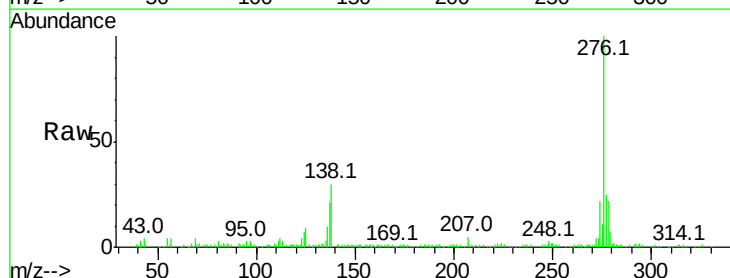
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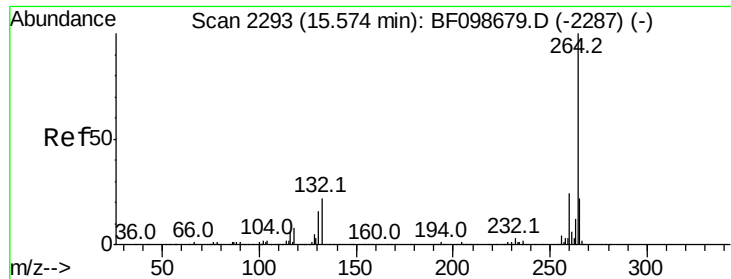
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#85
Indeno(1,2,3-cd)pyrene
Concen: 18.197 ng
RT: 17.09 min Scan# 2551
Delta R.T. 0.01 min
Lab File: BF098981.D
Acq: 30 Sep 2017 23:49

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.4	25.0	37.6
277	26.1	20.1	30.1





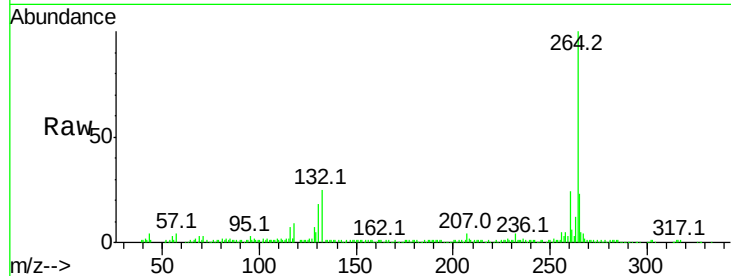
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.01 min
Lab File: BF098981.D
Acq: 30 Sep 2017 23:49

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-3

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	22.6	17.5	26.3

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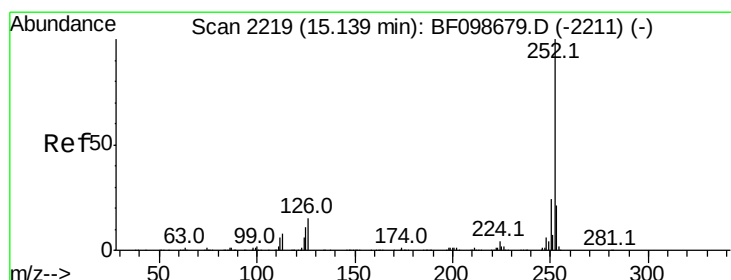
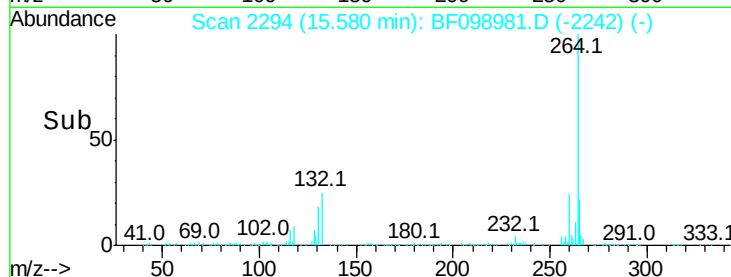
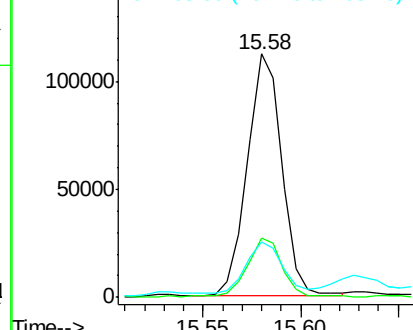


Abundance

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: 61.895 ng m
RT: 15.14 min Scan# 2220
Delta R.T. 0.01 min
Lab File: BF098981.D
Acq: 30 Sep 2017 23:49

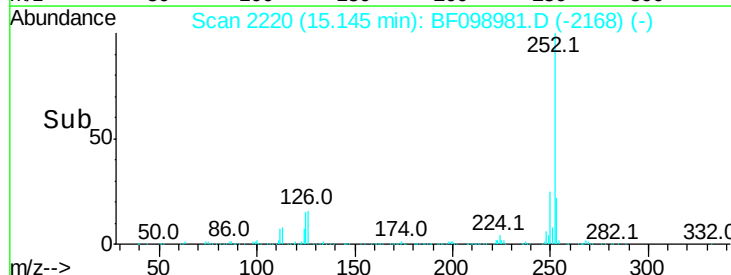
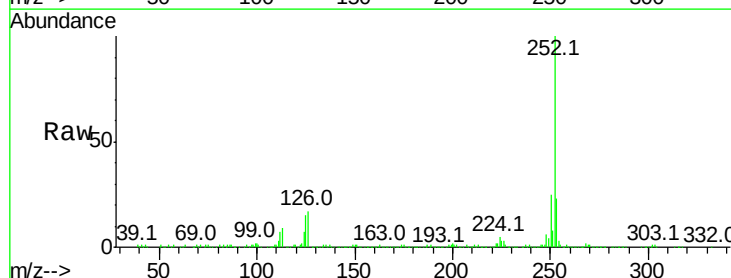
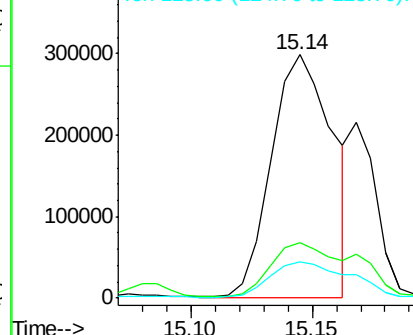
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	15.0	9.0	13.6#

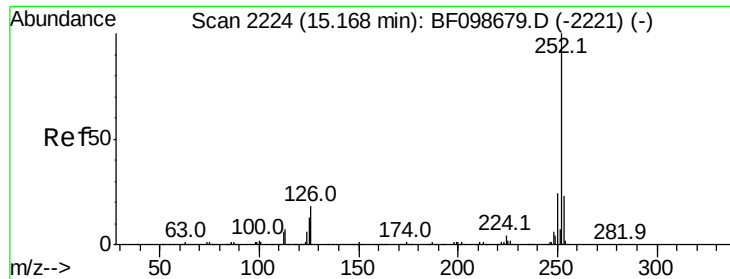
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





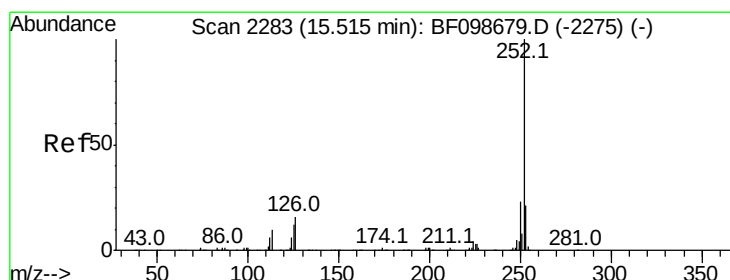
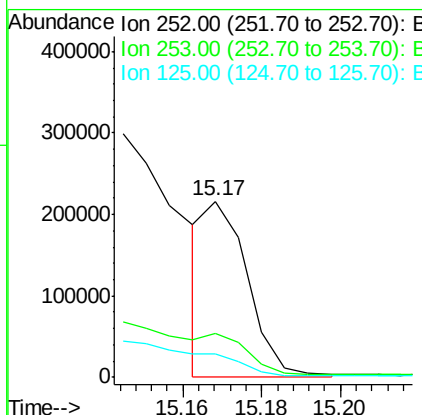
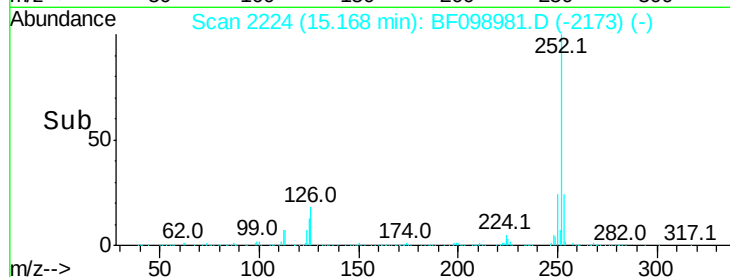
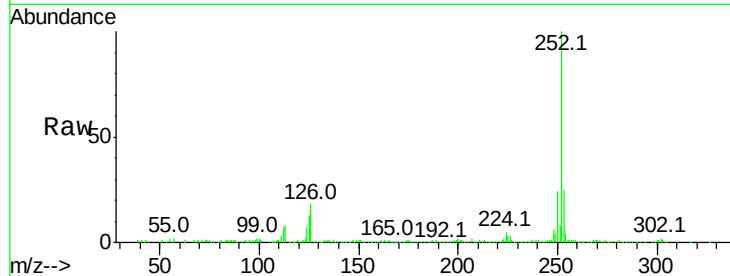
#88
Benzo(k)fluoranthene
Concen: 19.598 ng m
RT: 15.17 min Scan# 2224
Delta R.T. -0.00 min
Lab File: BF098981.D
Acq: 30 Sep 2017 23:49

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.9	26.9
125	13.4	10.2	15.2

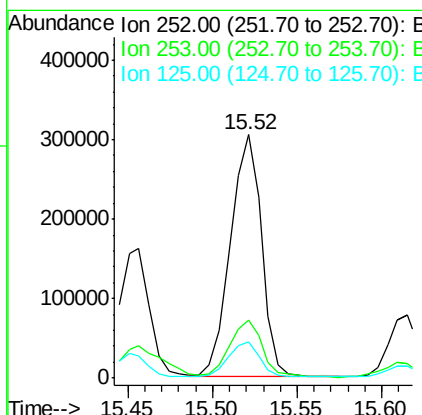
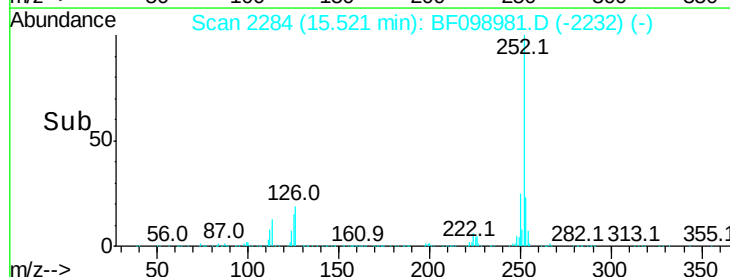
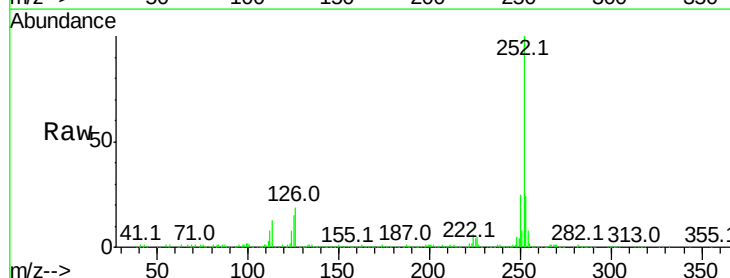
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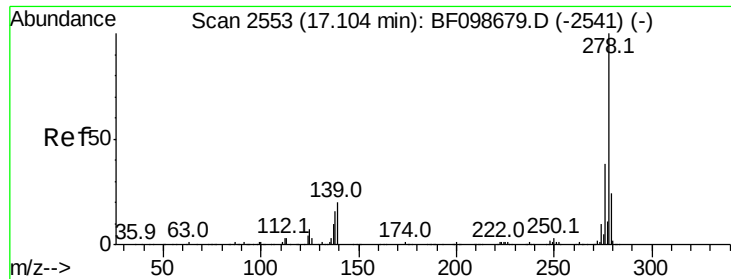
Sohil
10/2/2017 5:44:50 PM



#89
Benzo(a)pyrene
Concen: 50.253 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.01 min
Lab File: BF098981.D
Acq: 30 Sep 2017 23:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.1	25.7
125	15.1	9.8	14.6#





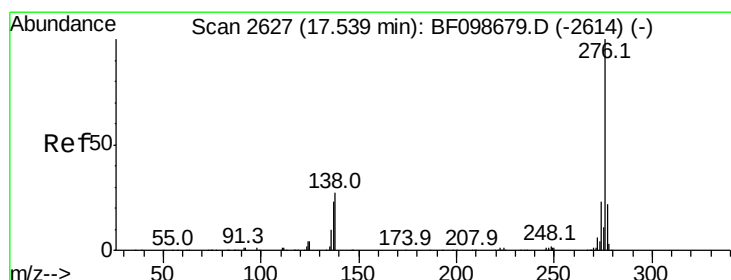
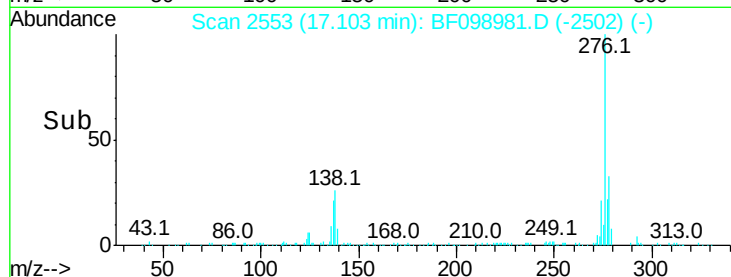
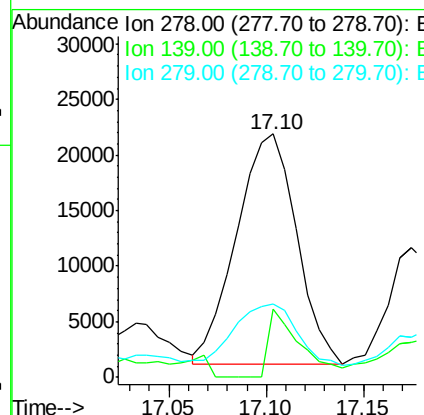
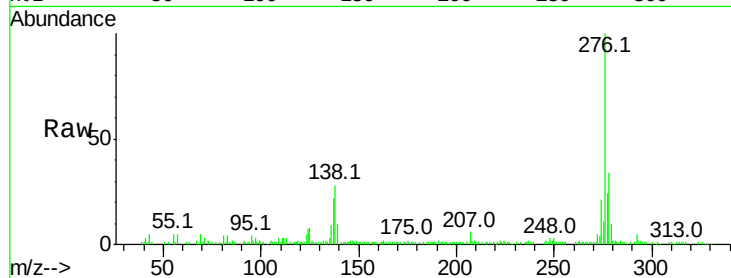
#90
Dibenzo(a,h)anthracene
Concen: 7.086 ng
RT: 17.10 min Scan# 2553
Delta R.T. -0.00 min
Lab File: BF098981.D
Acq: 30 Sep 2017 23:49

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-SB-ESMI-3

Tot Ion	Ratio	Lower	Upper
278	100		
139	27.8	15.9	23.9#
279	30.0	19.0	28.4#

Manual Integrations
APPROVED

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#91
Benzo(g,h,i)perylene
Concen: 21.633 ng
RT: 17.56 min Scan# 2630
Delta R.T. 0.01 min
Lab File: BF098981.D
Acq: 30 Sep 2017 23:49

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	17.9	26.9
138	28.7	21.8	32.8

