

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
 Data File : BF097607.D
 Acq On : 11 Aug 2017 21:52
 Operator : SJ/JU
 Sample : I4697-10 50X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Aug 12 04:15:41 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 11 15:55:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	86352	20.00	ng	0.00
21) Naphthalene-d8	9.54	136	359968	20.00	ng	0.00
38) Acenaphthene-d10	12.36	164	151065	20.00	ng	0.00
63) Phenanthrene-d10	14.77	188	210708	20.00	ng	0.00
75) Chrysene-d12	18.46	240	152608	20.00	ng	0.00
86) Perylene-d12	20.13	264	159700	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	5880m	1.08	ng	0.19
7) Phenol-d6	7.18	99	9211m	1.37	ng	0.12
23) Nitrobenzene-d5	8.49	82	5379	0.94	ng	0.06
41) 2,4,6-Tribromophenol	13.68	330	1201	1.05	ng	0.02
44) 2-Fluorobiphenyl	11.32	172	13265	1.33	ng	0.00
78) Terphenyl-d14	17.12	244	6927	0.94	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	9.57	128	1533542	85.054	ng	100
37) 2-Methylnaphthalene	10.70	142	483234	42.596	ng	99
45) 1,1'-Biphenyl	11.47	154	148283	11.441	ng	95
48) Acenaphthylene	12.14	152	95409	6.031	ng	97
51) Acenaphthene	12.42	154	462365	48.769	ng	99
54) Dibenzofuran	12.70	168	487749	36.749	ng	99
57) Fluorene	13.26	166	428961	39.300	ng	98
70) Phenanthrene	14.82	178	1453356	119.757	ng	99
71) Anthracene	14.89	178	612445	49.323	ng	99
72) Carbazole	15.18	167	111843	9.462	ng	97
74) Fluoranthene	16.57	202	822323	74.987	ng	98
77) Pylene	16.87	202	659608	52.267	ng	100
80) Benzo(a)anthracene	18.45	228	368182m	41.308	ng	
82) Chrysene	18.50	228	300437	33.889	ng	97
85) Indeno(1,2,3-cd)pyrene	21.35	276	146588	21.260	ng	94
87) Benzo(b)fluoranthene	19.73	252	343640m	35.834	ng	
88) Benzo(k)fluoranthene	19.75	252	119226m	12.344	ng	
89) Benzo(a)pyrene	20.07	252	289269	32.864	ng	98
90) Dibenzo(a,h)anthracene	21.36	278	42388m	6.726	ng	
91) Benzo(a,h,i)perylene	21.70	276	121733	17.608	ng	95

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

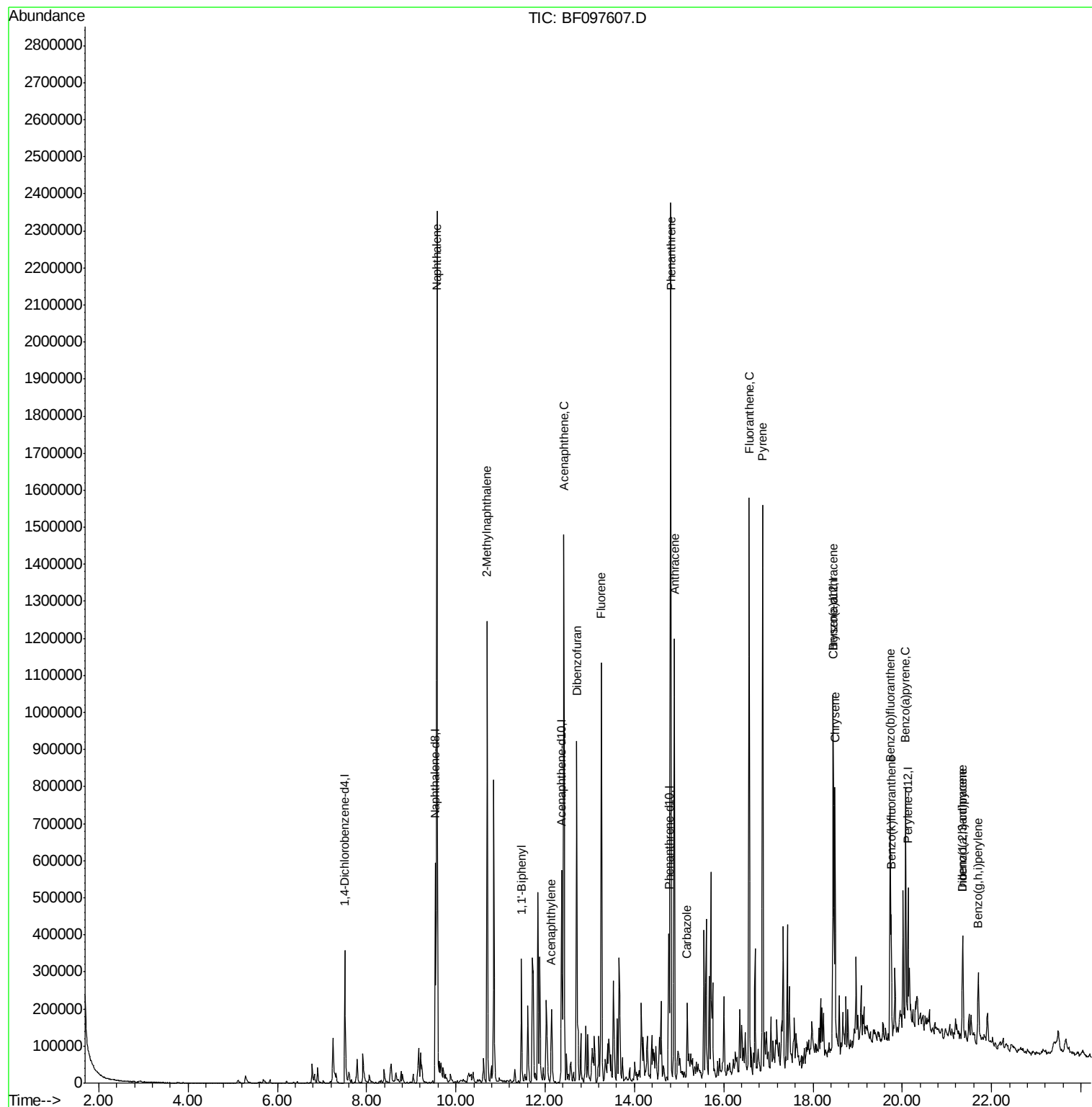
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
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ALS Vial : 10 Sample Multiplier: 1

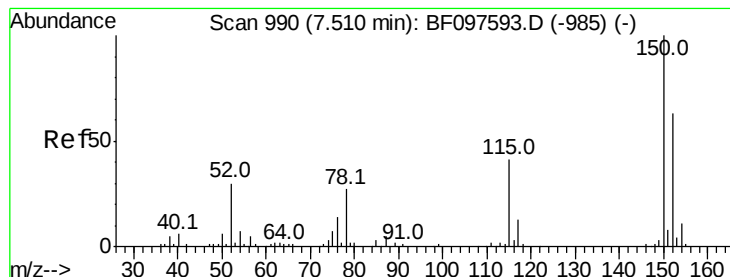
Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-5B

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QLast Update : Fri Aug 11 15:55:57 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.51 min Scan# 990

Delta R.T. 0.00 min

Lab File: BF097607.D

Acq: 11 Aug 2017 21:52

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI-5B

Tot Ion:152 Resp: 86352

Ion Ratio Lower Upper

152 100

150 164.4 126.2 189.2

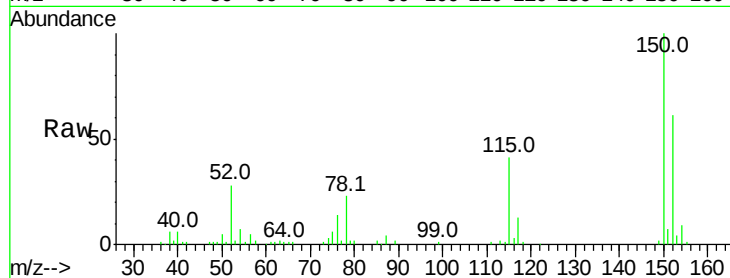
115 66.7 52.2 78.2

Manual Integrations

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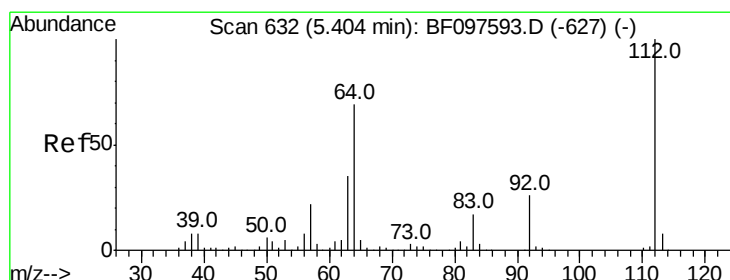
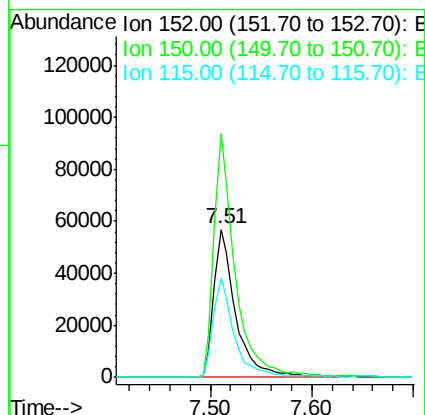
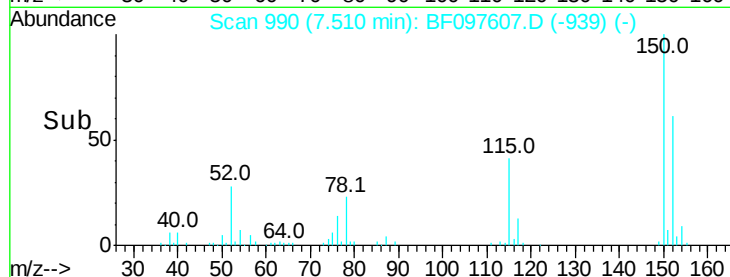
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 1.082 ng m

RT: 5.59 min Scan# 664

Delta R.T. 0.19 min

Lab File: BF097607.D

Acq: 11 Aug 2017 21:52

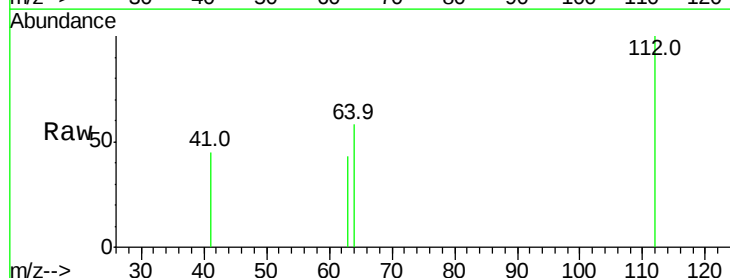
Tgt Ion:112 Resp: 5880

Ion Ratio Lower Upper

112 100

64 57.6 46.0 69.0

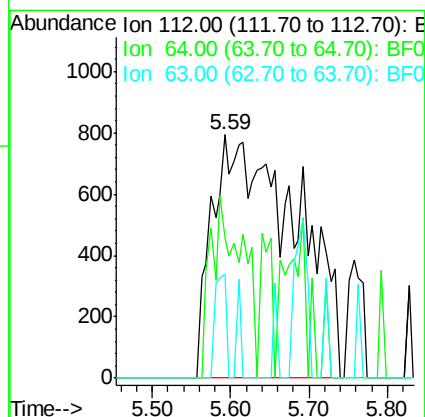
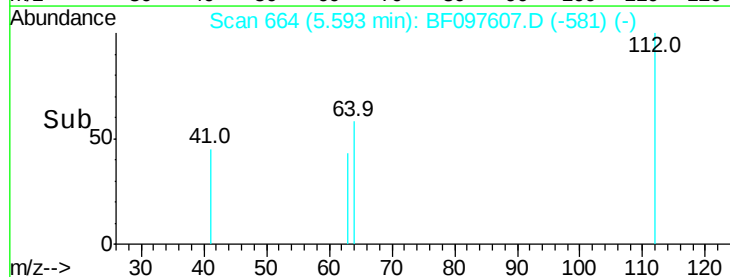
63 42.6 23.4 35.0#

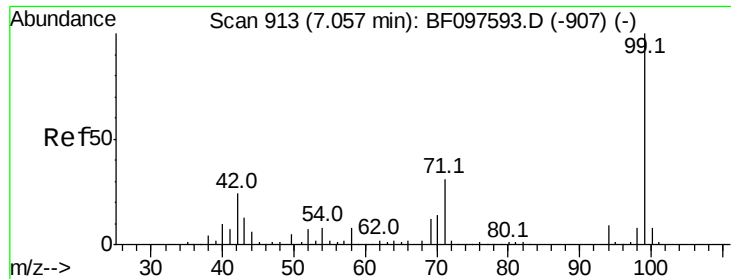


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

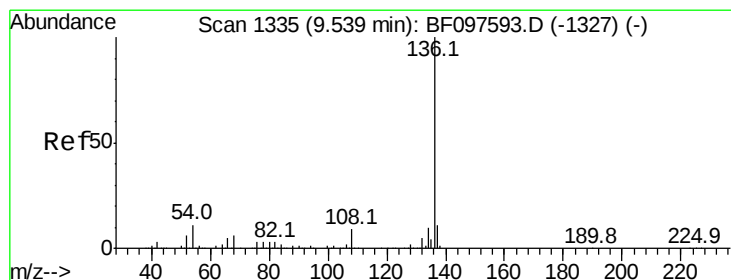
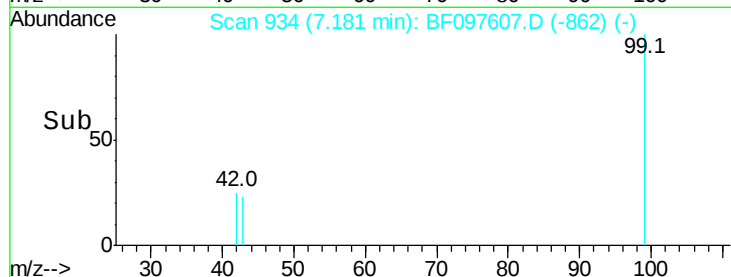
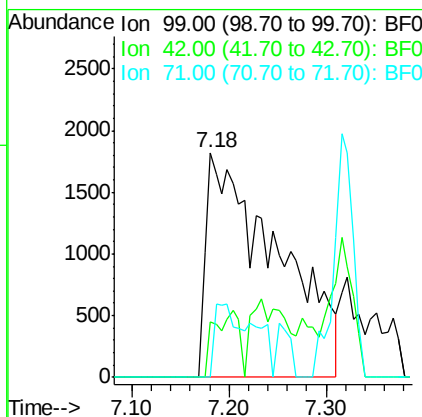
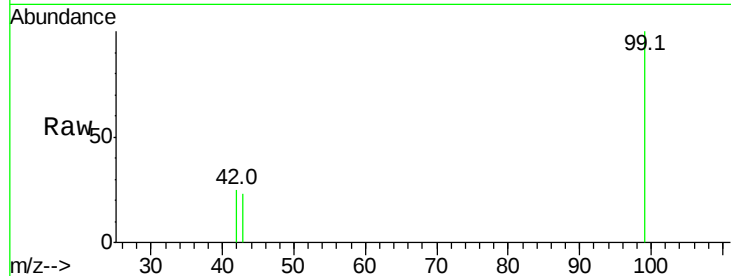
Concen: 1.367 ng/mL
 RT: 7.18 min Scan# 934
 Delta R.T. 0.12 min
 Lab File: BF097607.D
 Acq: 11 Aug 2017 21:52

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

Tot Ion	Ratio	Lower	Upper
99	100		
42	24.8	13.5	20.3#
71	0.0	24.5	36.7#

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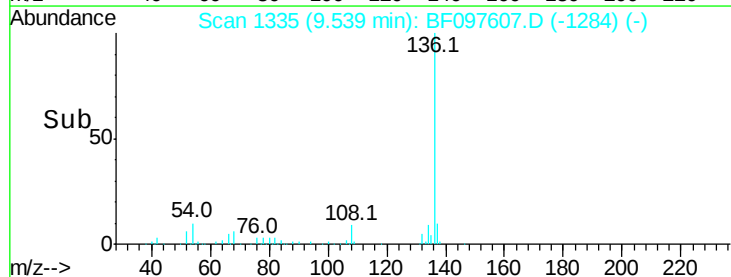
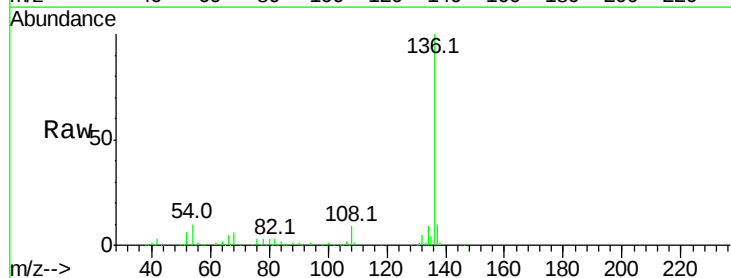
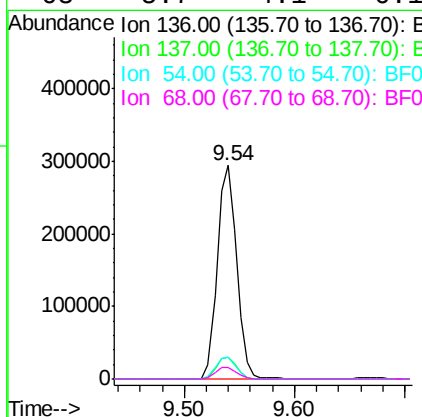


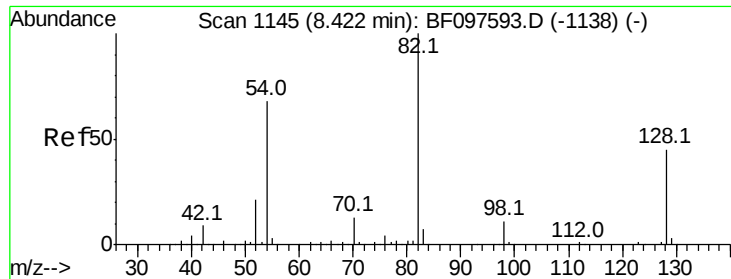
#21

Naphthalene-d8

Concen: 20.000 ng
 RT: 9.54 min Scan# 1335
 Delta R.T. 0.00 min
 Lab File: BF097607.D
 Acq: 11 Aug 2017 21:52

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.5	12.7
54	10.1	4.9	7.3#
68	5.7	4.1	6.1





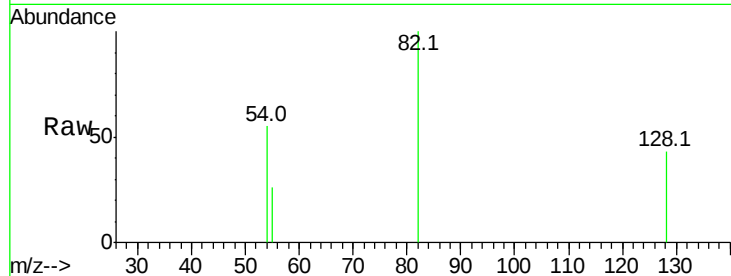
#23
 Nitrobenzene-d5
 Concen: 0.937 ng
 RT: 8.49 min Scan# 1156
 Delta R.T. 0.06 min
 Lab File: BF097607.D
 Acq: 11 Aug 2017 21:52

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.7	34.0	51.0
54	55.1	42.2	63.2

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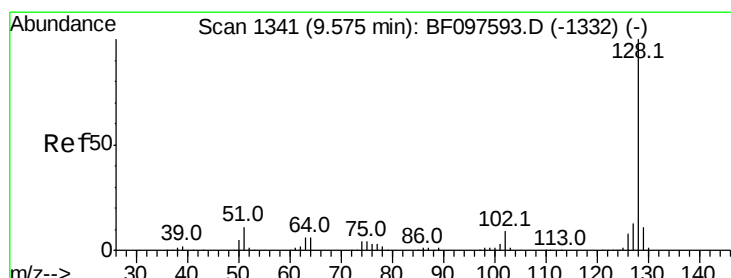
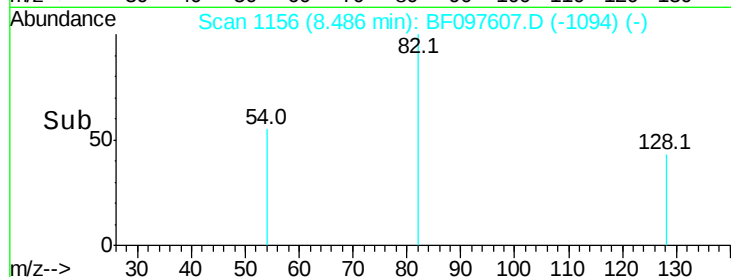
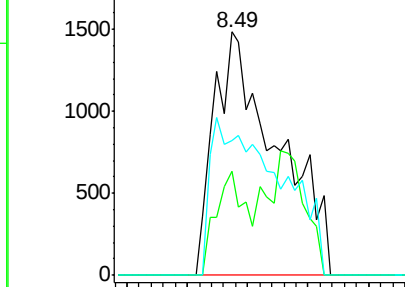


Abundance

Ion 82.00 (81.70 to 82.70): BF0

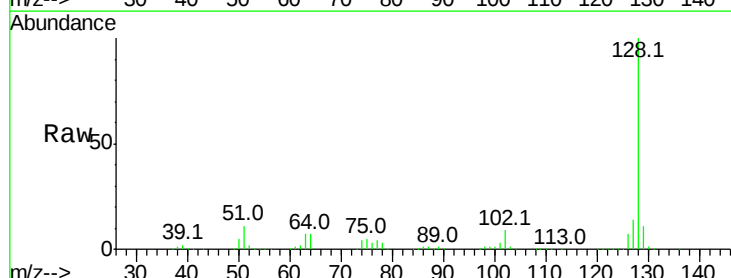
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



#31
 Naphthalene
 Concen: 85.054 ng
 RT: 9.57 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: BF097607.D
 Acq: 11 Aug 2017 21:52

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.6
127	13.6	10.8	16.2

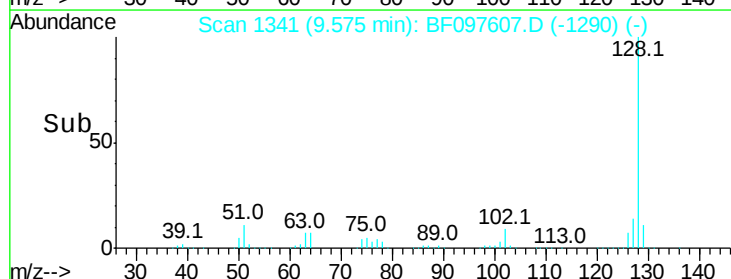
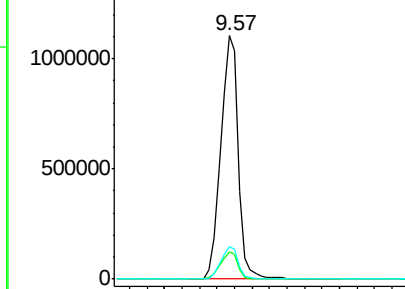


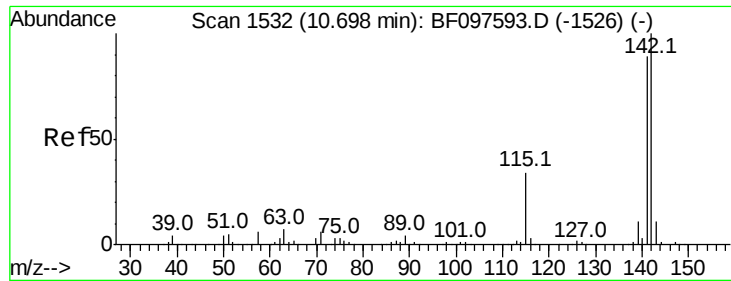
Abundance

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





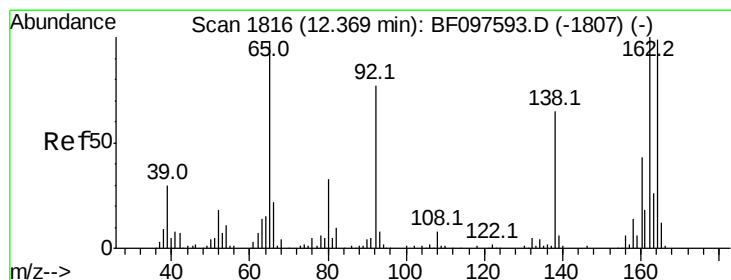
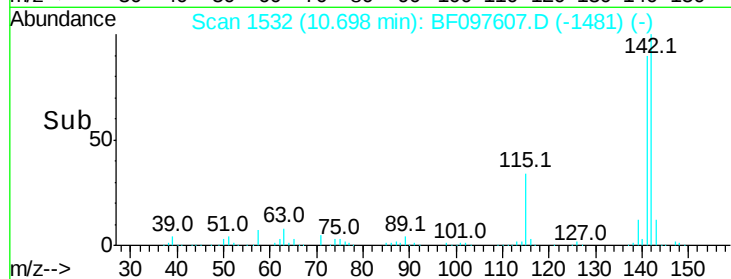
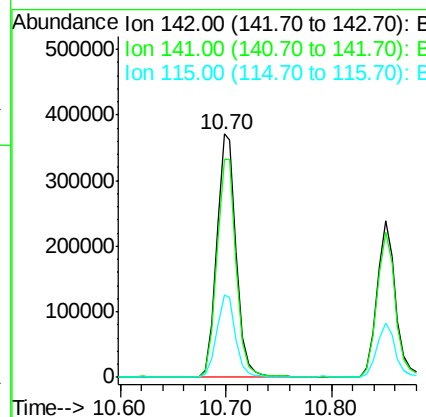
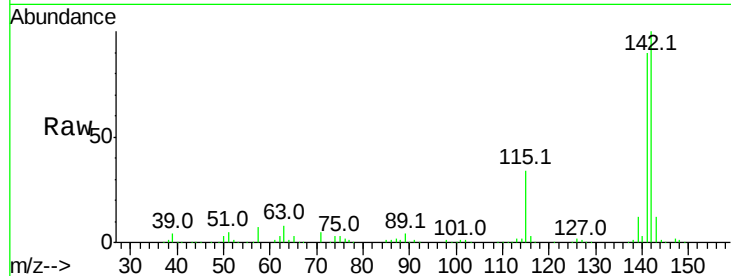
#37
2-Methylnaphthalene
Concen: 42.596 ng
RT: 10.70 min Scan# 1532
Delta R.T. 0.00 min
Lab File: BF097607.D
Acq: 11 Aug 2017 21:52

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

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.8	71.3	106.9
115	33.9	27.1	40.7

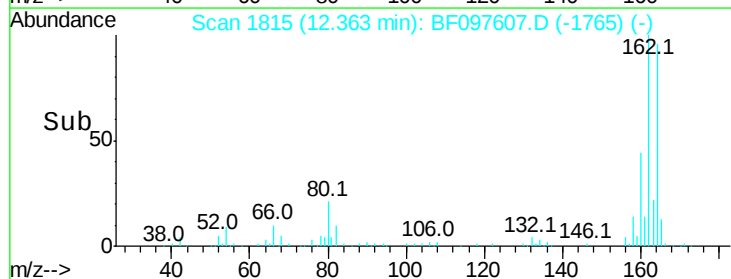
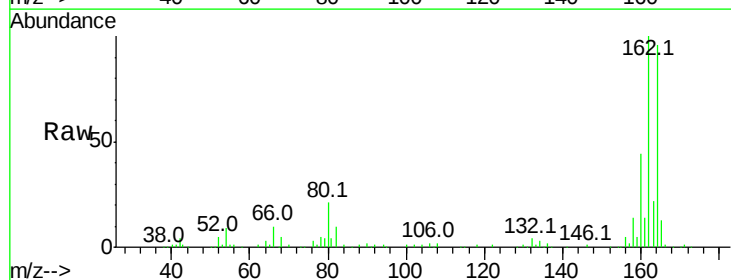
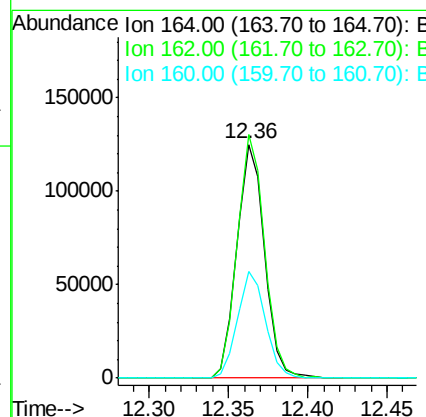
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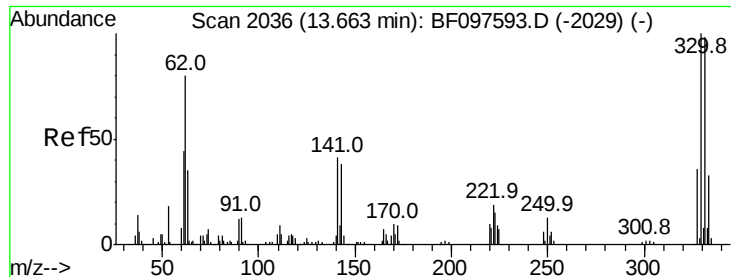
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 12.36 min Scan# 1815
Delta R.T. -0.01 min
Lab File: BF097607.D
Acq: 11 Aug 2017 21:52

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.2	82.6	123.8
160	45.7	36.2	54.2





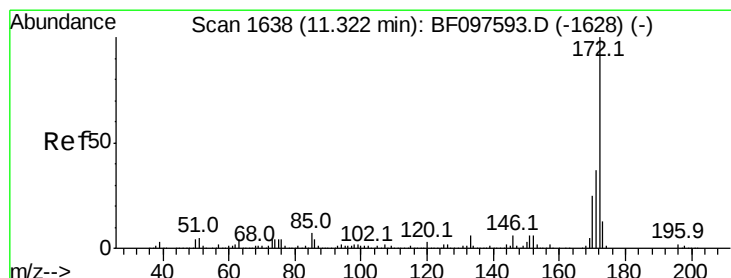
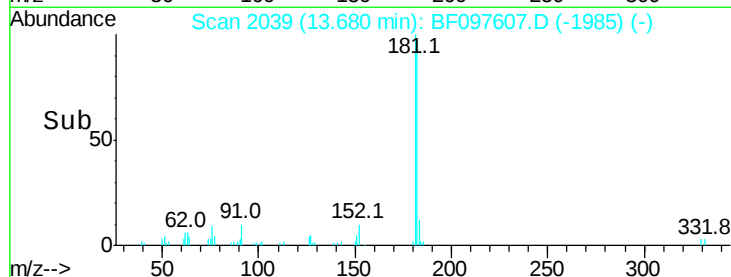
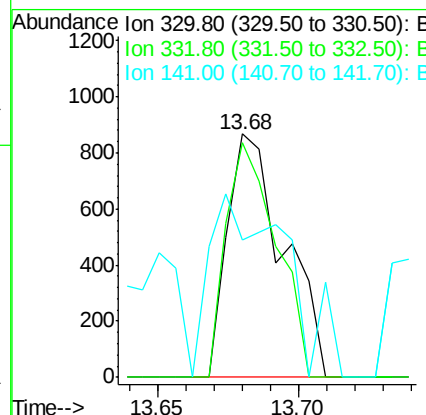
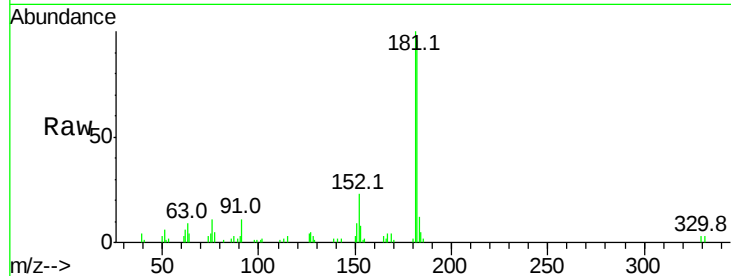
#41
 2,4,6-Tribromophenol
 Concen: 1.046 ng
 RT: 13.68 min Scan# 2039
 Delta R.T. 0.02 min
 Lab File: BF097607.D
 Acq: 11 Aug 2017 21:52

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	86.0	76.6	115.0
141	102.7	31.4	47.2

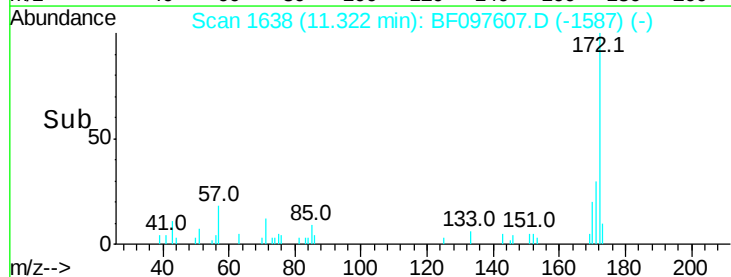
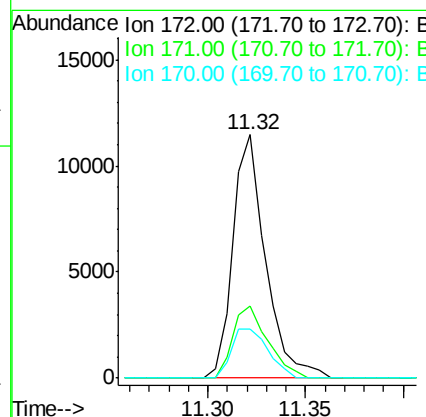
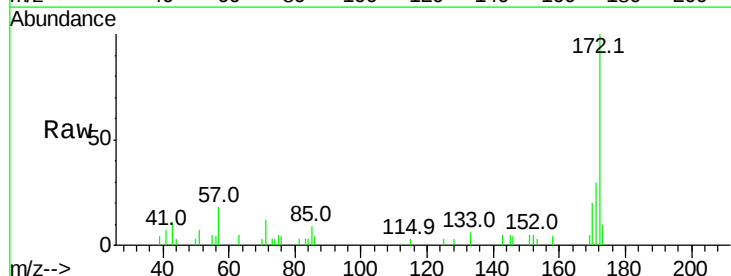
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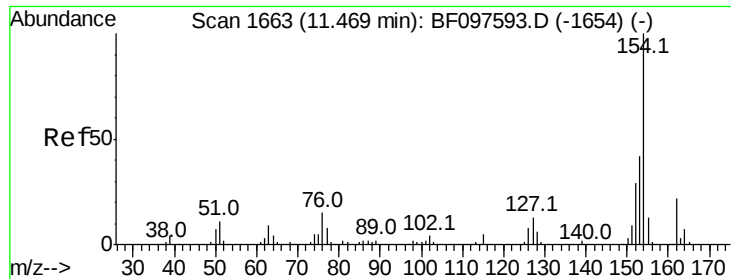
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#44
 2-Fluorobiphenyl
 Concen: 1.325 ng
 RT: 11.32 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: BF097607.D
 Acq: 11 Aug 2017 21:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	29.6	29.6	44.4
170	20.4	19.8	29.8





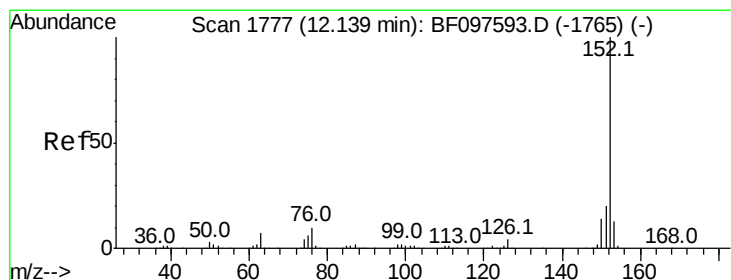
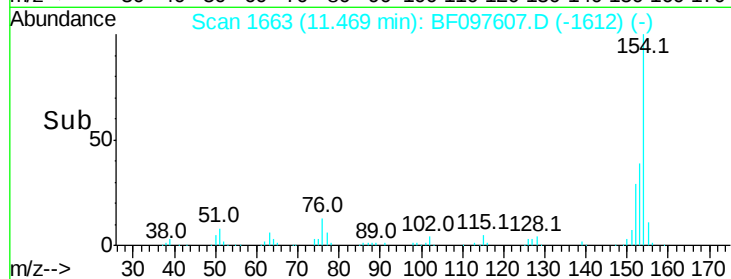
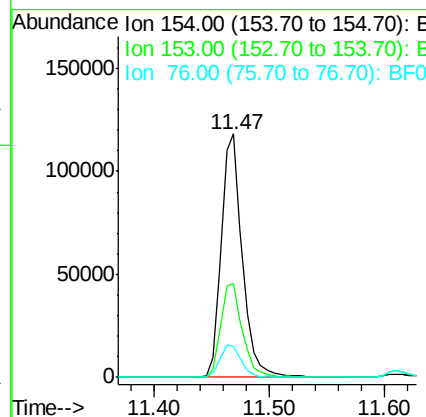
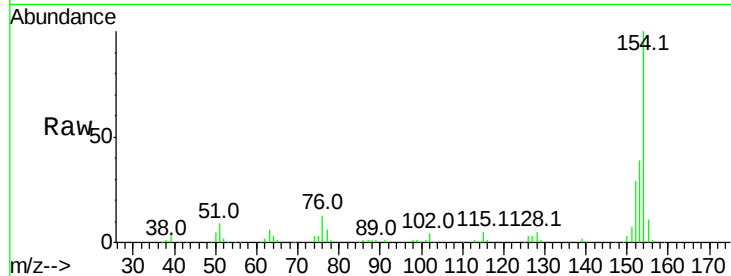
#45
 1,1'-Biphenyl
 Concen: 11.441 ng
 RT: 11.47 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: BF097607.D
 Acq: 11 Aug 2017 21:52

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

Tot Ion	Ratio	Lower	Upper
154	100		
153	38.6	21.2	61.2
76	12.8	0.0	29.9

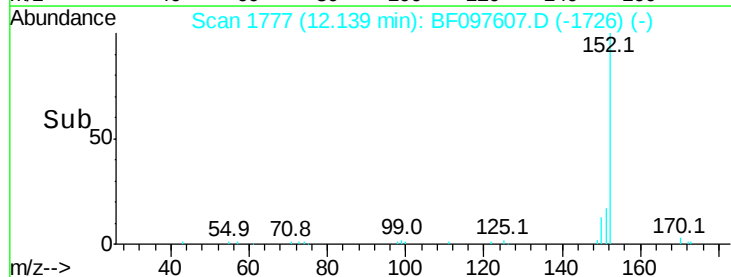
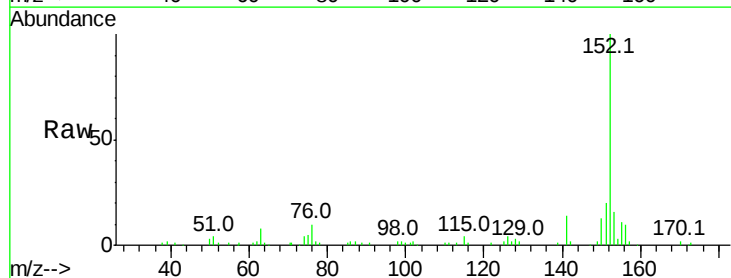
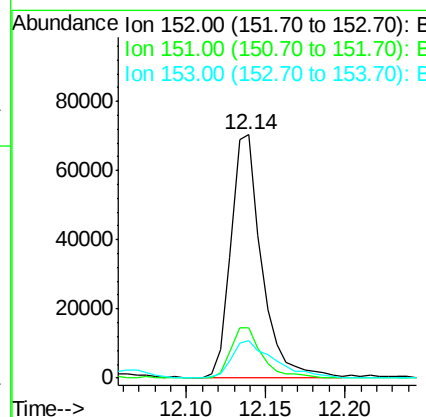
Manual Integrations
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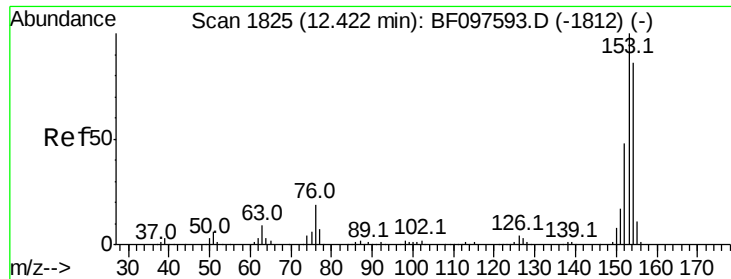
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#48
 Acenaphthylene
 Concen: 6.031 ng
 RT: 12.14 min Scan# 1777
 Delta R.T. 0.00 min
 Lab File: BF097607.D
 Acq: 11 Aug 2017 21:52

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.8	25.2
153	15.6	10.8	16.2





#51

Acenaphthene

Concen: 48.769 ng

RT: 12.42 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BF097607.D

Acq: 11 Aug 2017 21:52

Instrument :

BNA_F

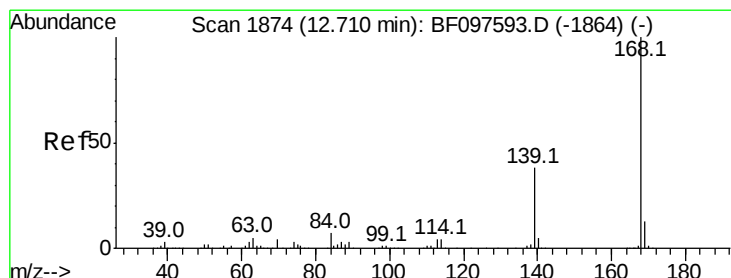
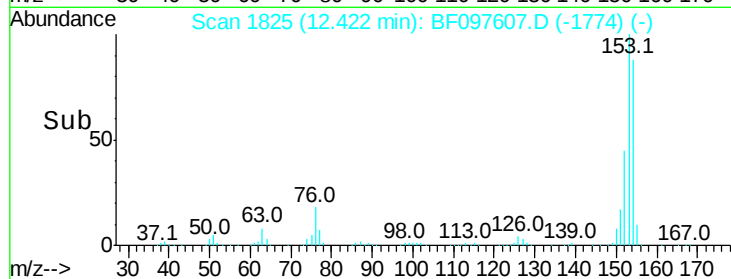
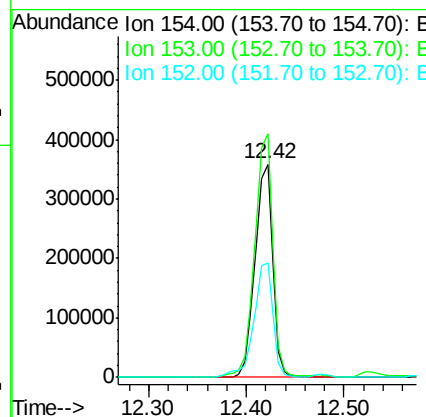
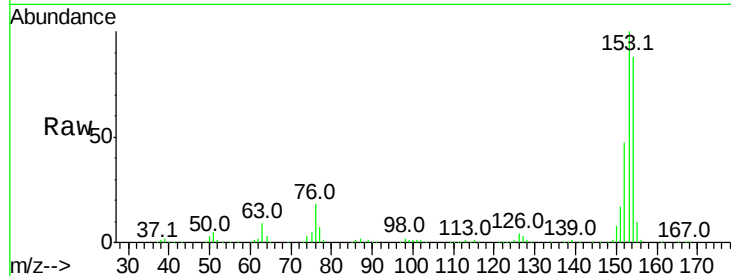
ClientSampleId :

NYSEG-PH4-ESMI-5B

Tot Ion:	154	Resp:	462365
Ion Ratio	Lower	Upper	
154	100		
153	114.2	90.5	135.7
152	53.8	43.6	65.4

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#54

Dibenzofuran

Concen: 36.749 ng

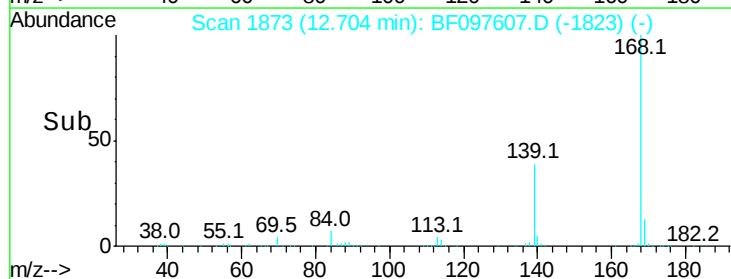
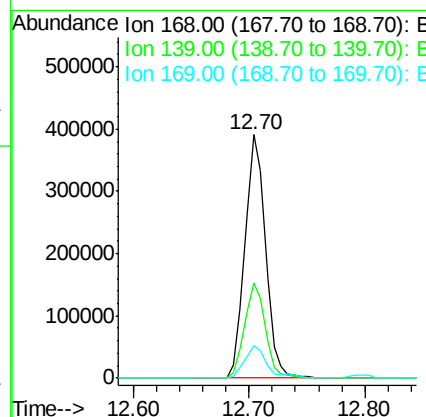
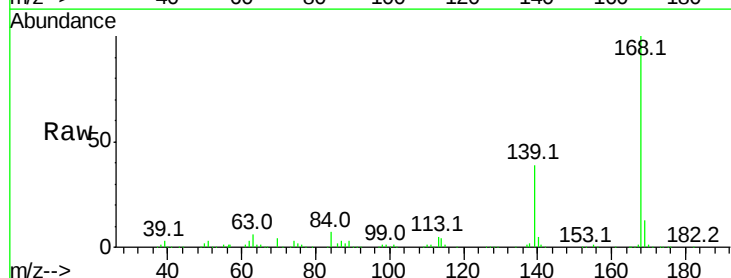
RT: 12.70 min Scan# 1873

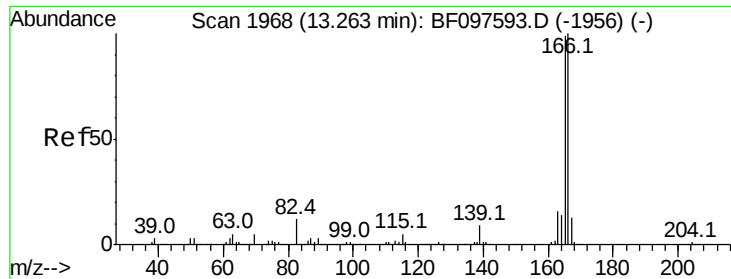
Delta R.T. -0.01 min

Lab File: BF097607.D

Acq: 11 Aug 2017 21:52

Tgt Ion:	168	Resp:	487749
Ion Ratio	Lower	Upper	
168	100		
139	39.0	30.6	45.8
169	13.5	10.8	16.2





#57

Fluorene

Concen: 39.300 ng

RT: 13.26 min Scan# 1967

Delta R.T. -0.01 min

Lab File: BF097607.D

Acq: 11 Aug 2017 21:52

Instrument :

BNA_F

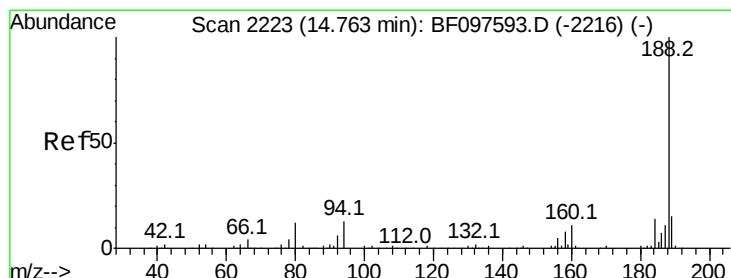
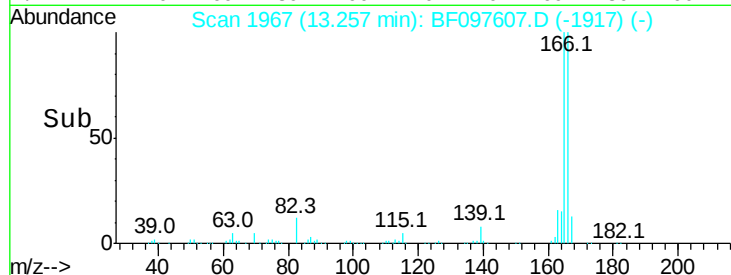
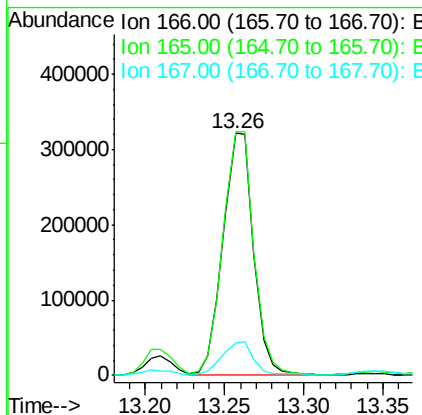
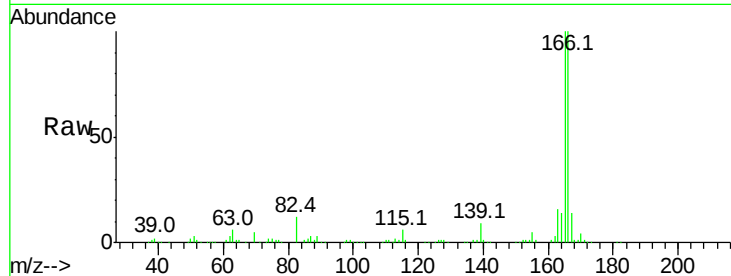
ClientSampleId :

NYSEG-PH4-ESMI-5B

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.5	78.8	118.2
167	13.6	10.6	16.0

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#63

Phenanthrene-d10

Concen: 20.000 ng

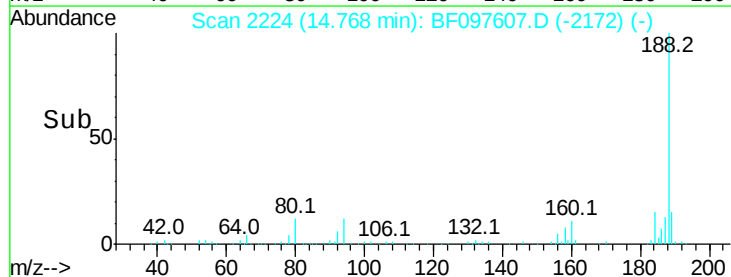
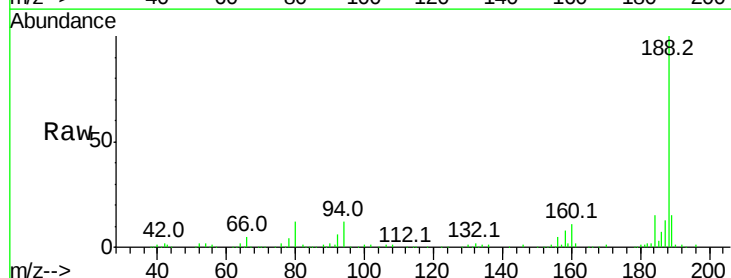
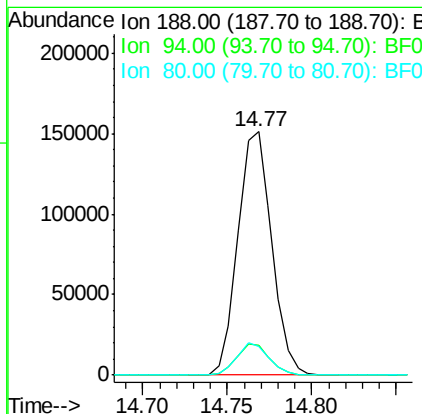
RT: 14.77 min Scan# 2224

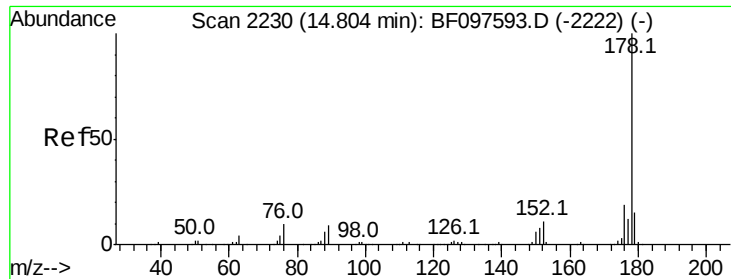
Delta R.T. 0.01 min

Lab File: BF097607.D

Acq: 11 Aug 2017 21:52

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.1	9.4	14.2
80	11.8	10.2	15.2





#70

Phenanthrene

Concen: 119.757 ng

RT: 14.82 min Scan# 2232

Delta R.T. 0.01 min

Lab File: BF097607.D

Acq: 11 Aug 2017 21:52

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI-5B

Tot Ion:178 Resp: 1453356

Ion Ratio Lower Upper

178 100

176 20.3 16.2 24.4

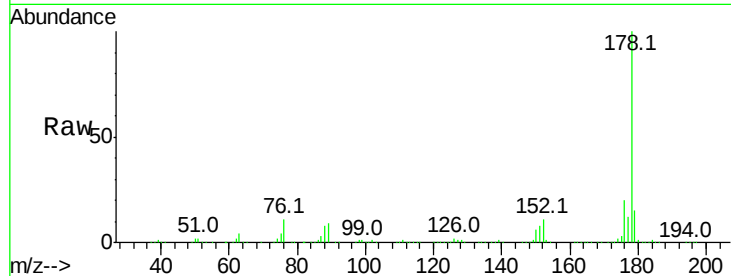
179 15.3 12.6 19.0

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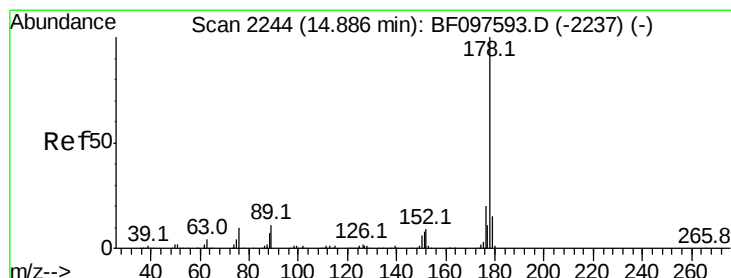
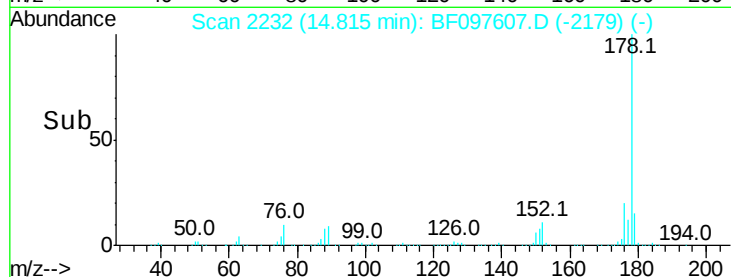
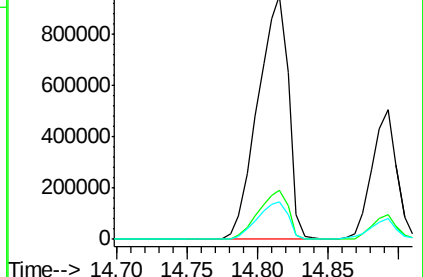
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 49.323 ng

RT: 14.89 min Scan# 2245

Delta R.T. 0.01 min

Lab File: BF097607.D

Acq: 11 Aug 2017 21:52

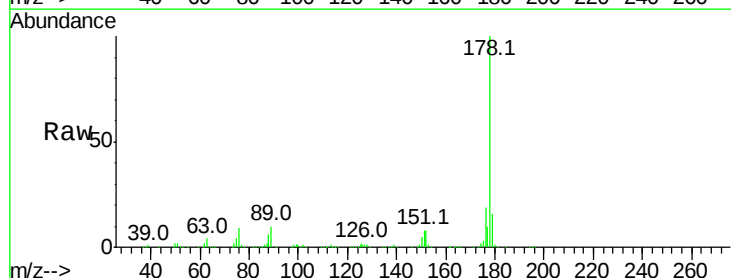
Tgt Ion:178 Resp: 612445

Ion Ratio Lower Upper

178 100

176 19.2 15.8 23.8

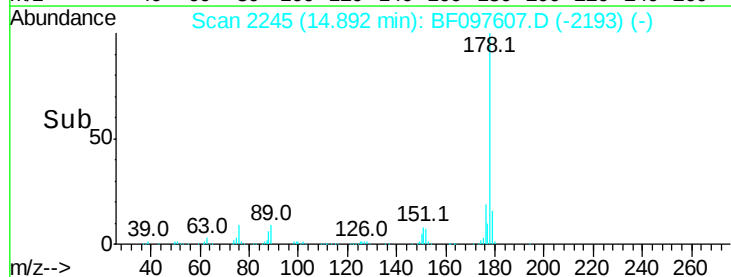
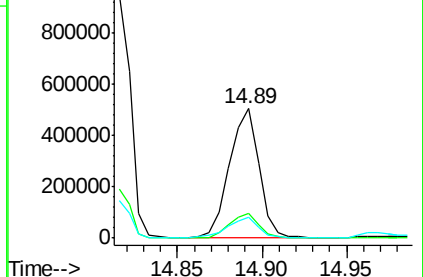
179 15.9 12.7 19.1

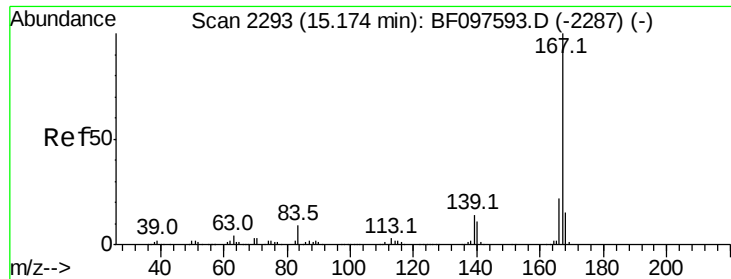


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 9.462 ng

RT: 15.18 min Scan# 2294

Delta R.T. 0.01 min

Lab File: BF097607.D

Acq: 11 Aug 2017 21:52

Instrument :

BNA_F

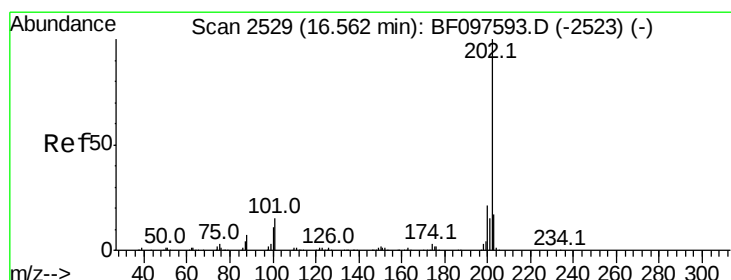
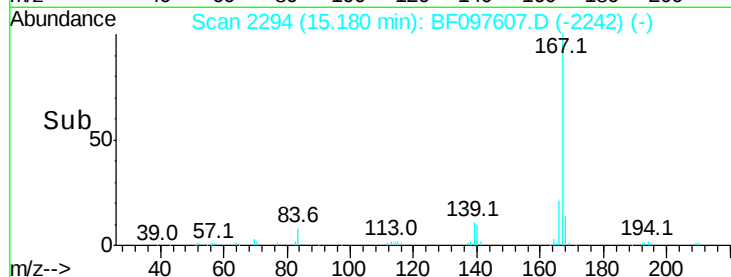
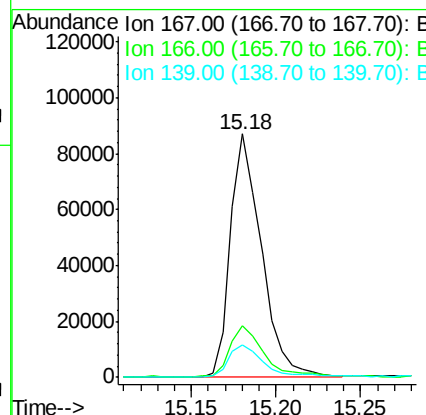
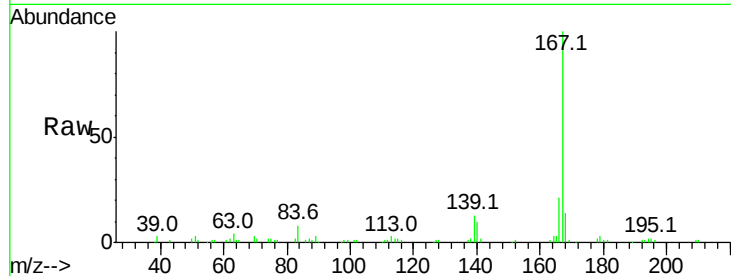
ClientSampleId :

NYSEG-PH4-ESMI-5B

Tot Ion:	167	Resp:	111843
Ion Ratio	Lower	Upper	
167	100		
166	21.1	18.1	27.1
139	13.2	11.7	17.5

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#74

Fluoranthene

Concen: 74.987 ng

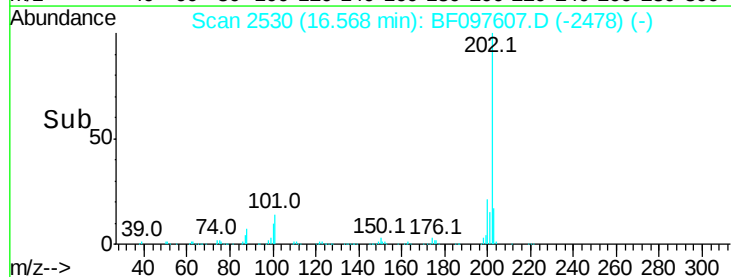
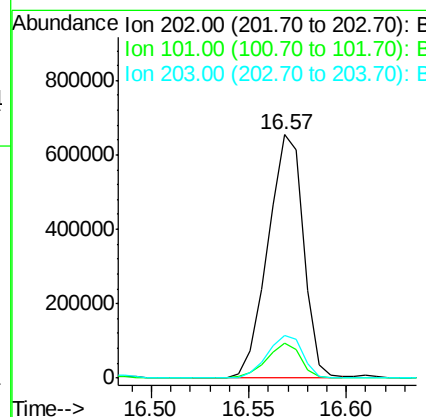
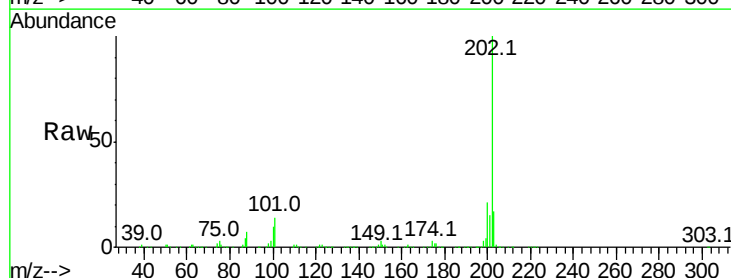
RT: 16.57 min Scan# 2530

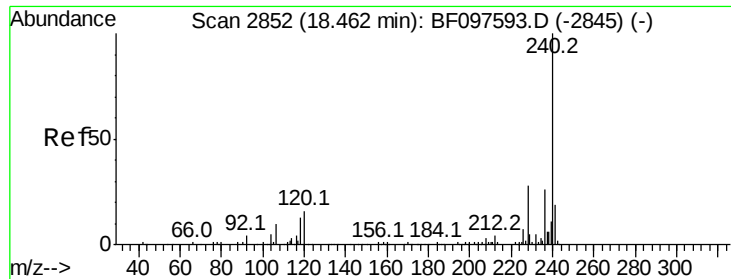
Delta R.T. 0.01 min

Lab File: BF097607.D

Acq: 11 Aug 2017 21:52

Tgt Ion:	202	Resp:	822323
Ion Ratio	Lower	Upper	
202	100		
101	14.3	0.0	33.2
203	17.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 18.46 min Scan# 2852

Delta R.T. 0.00 min

Lab File: BF097607.D

Acq: 11 Aug 2017 21:52

Instrument :

BNA_F

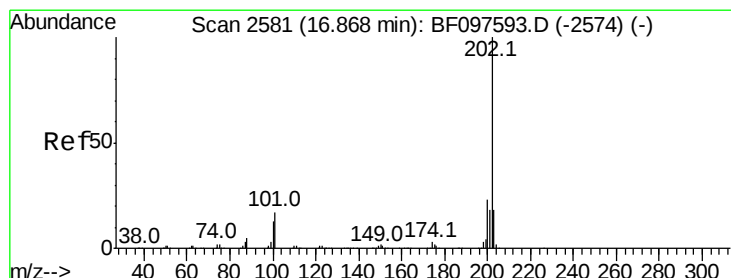
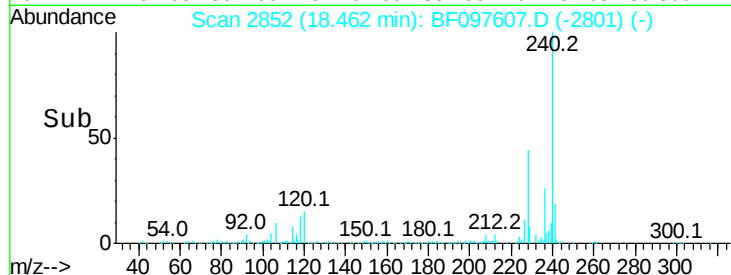
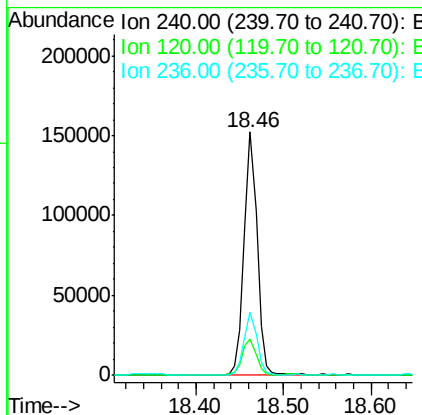
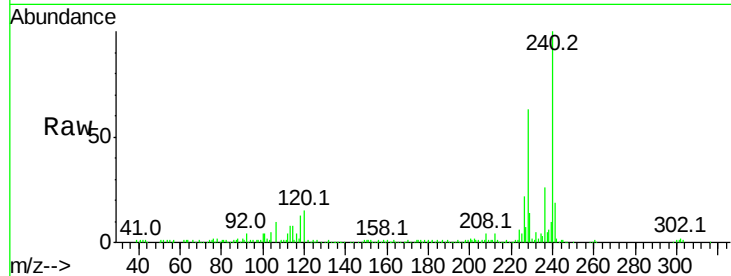
ClientSampleId :

NYSEG-PH4-ESMI-5B

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.7	5.8	8.8#
236	26.1	20.5	30.7

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#77

Pyrene

Concen: 52.267 ng

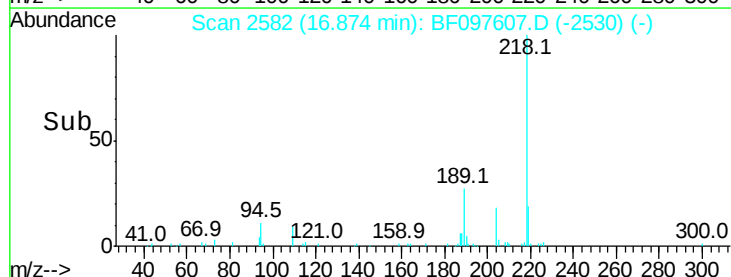
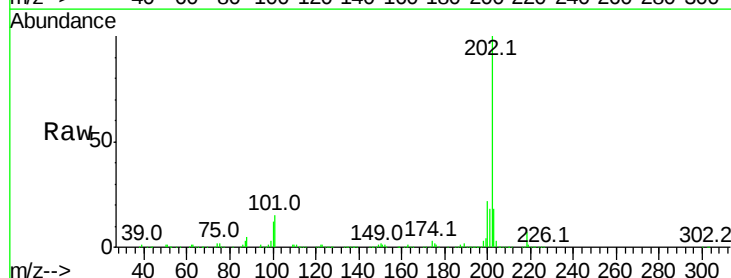
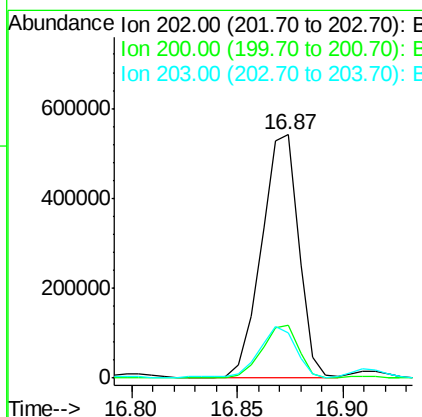
RT: 16.87 min Scan# 2582

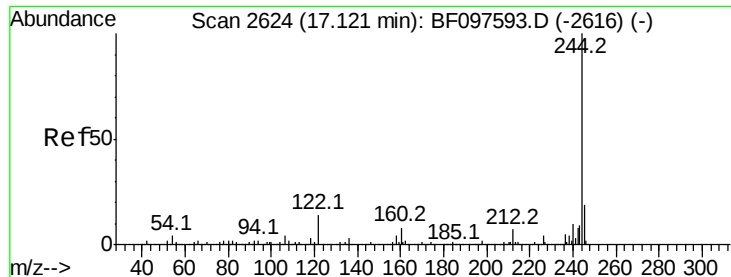
Delta R.T. 0.01 min

Lab File: BF097607.D

Acq: 11 Aug 2017 21:52

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.6	26.4
203	18.4	14.4	21.6





#78

Terphenyl-d14

Concen: 0.939 ng

RT: 17.12 min Scan# 2623

Delta R.T. -0.01 min

Lab File: BF097607.D

Acq: 11 Aug 2017 21:52

Instrument :

BNA_F

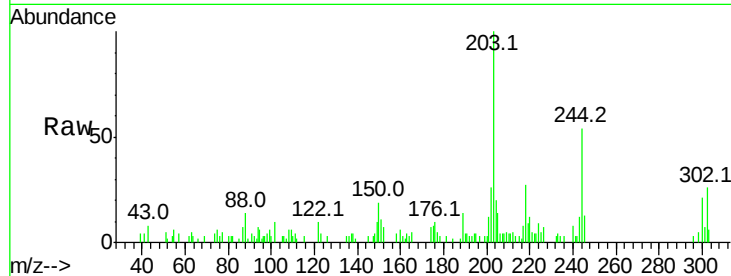
ClientSampleId :

NYSEG-PH4-ESMI-5B

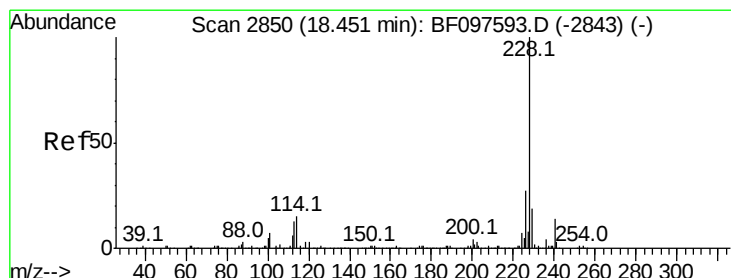
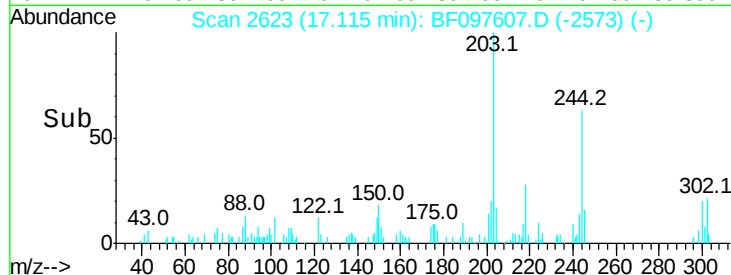
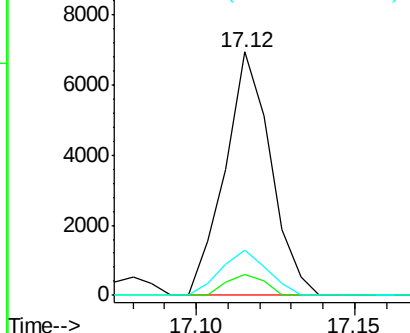
Tot Ion:	244	Resp:	6927
Ion Ratio	Lower	Upper	
244	100		
212	8.8	6.0	9.0
122	18.7	10.3	15.5#

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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: 41.308 ng m

RT: 18.45 min Scan# 2850

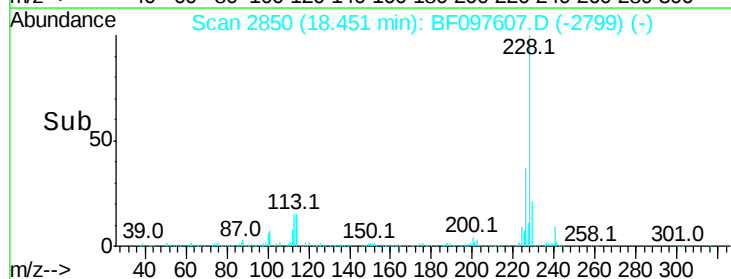
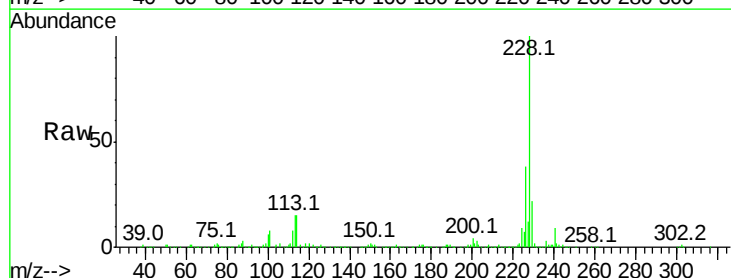
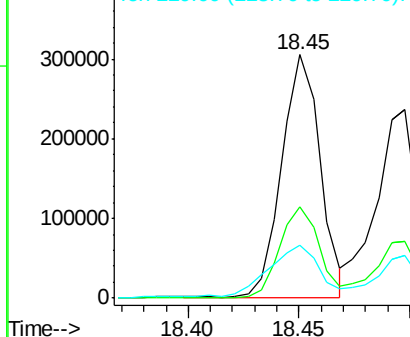
Delta R.T. 0.00 min

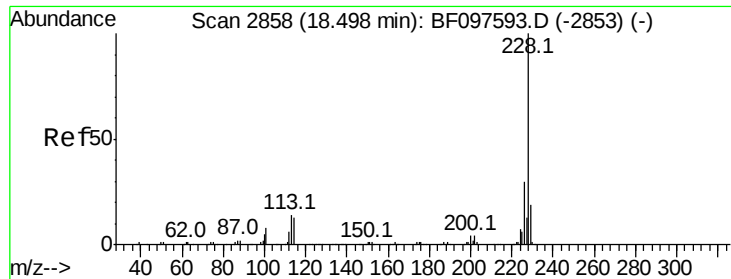
Lab File: BF097607.D

Acq: 11 Aug 2017 21:52

Tgt Ion:	228	Resp:	368182
Ion Ratio	Lower	Upper	
228	100		
226	37.7	22.6	33.8#
229	21.7	16.3	24.5

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





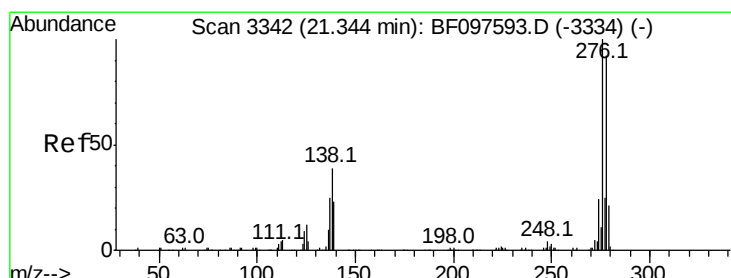
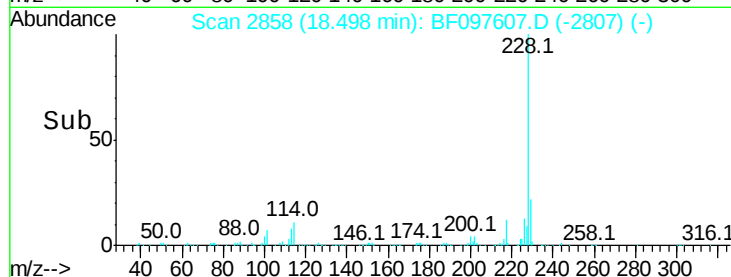
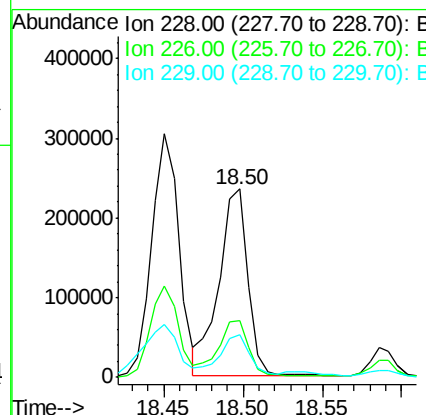
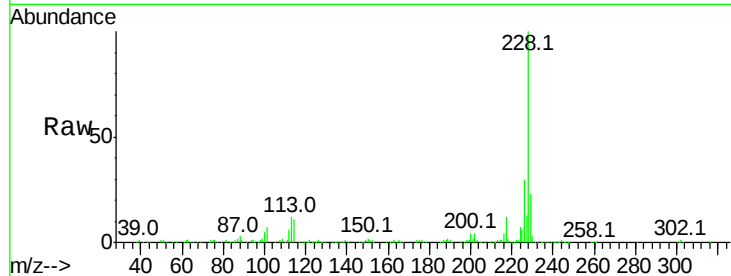
#82
Chrysene
Concen: 33.889 ng
RT: 18.50 min Scan# 2858
Delta R.T. 0.00 min
Lab File: BF097607.D
Acq: 11 Aug 2017 21:52

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.9	37.3
229	22.7	15.8	23.6

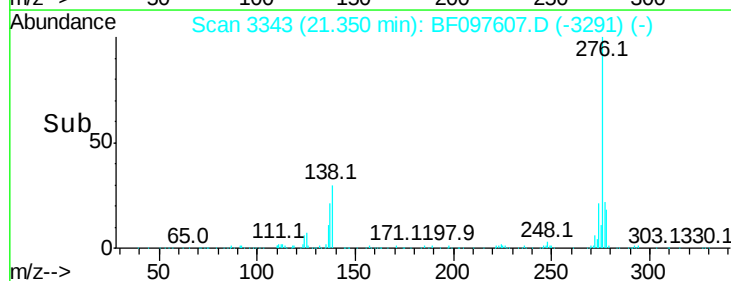
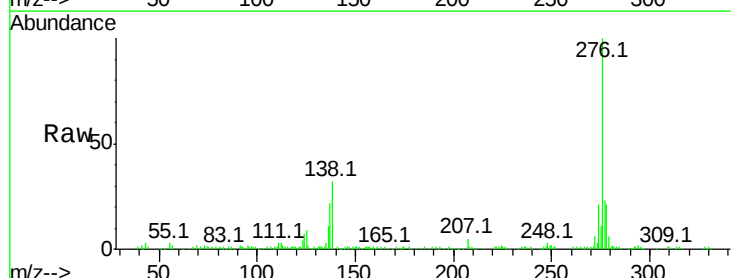
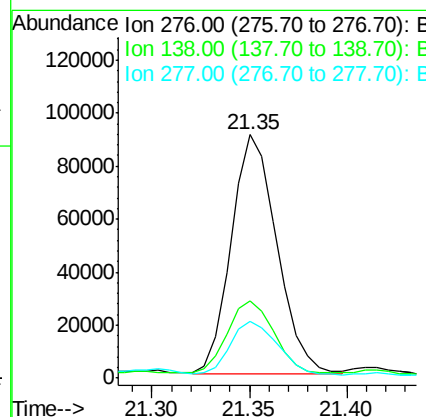
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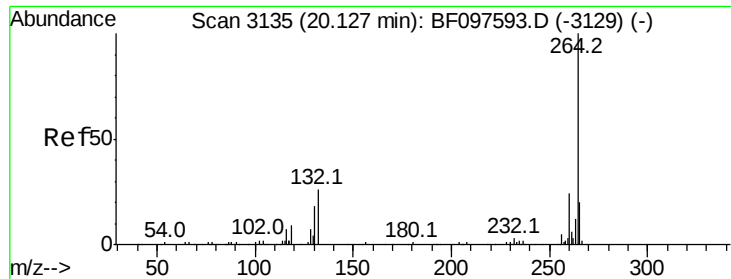
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#85
Indeno(1,2,3-cd)pyrene
Concen: 21.260 ng
RT: 21.35 min Scan# 3343
Delta R.T. 0.01 min
Lab File: BF097607.D
Acq: 11 Aug 2017 21:52

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.2	27.8	41.6
277	23.6	20.2	30.4





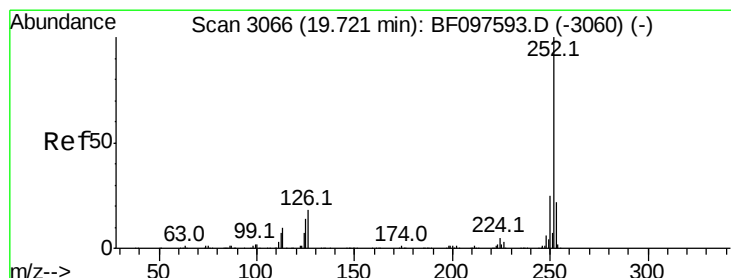
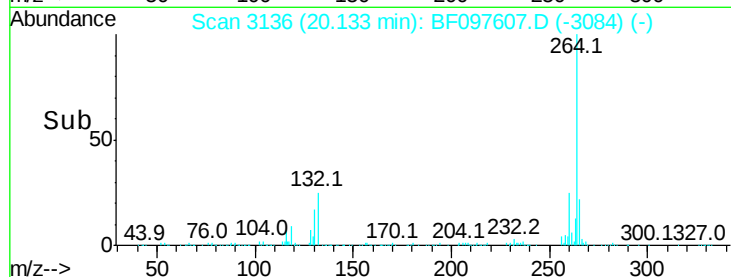
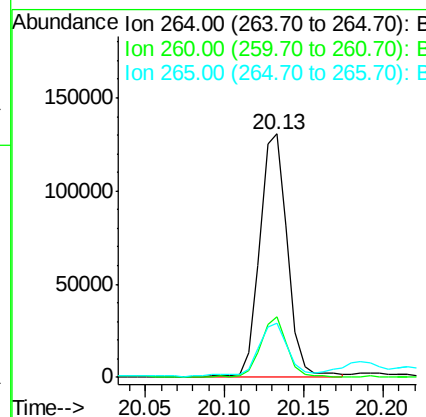
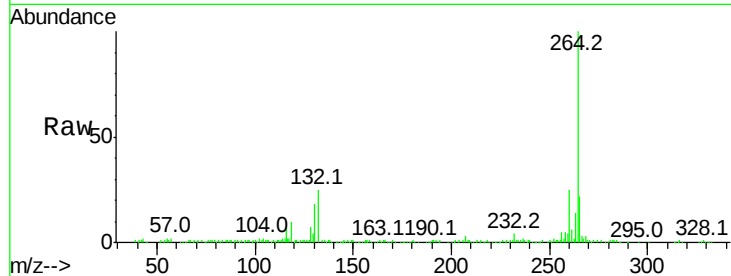
#86
Pervlene-d12
Concen: 20.000 ng
RT: 20.13 min Scan# 3136
Delta R.T. 0.01 min
Lab File: BF097607.D
Acq: 11 Aug 2017 21:52

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.5	29.3
265	22.3	17.2	25.8

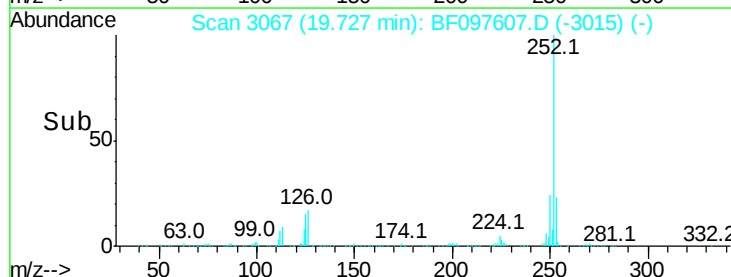
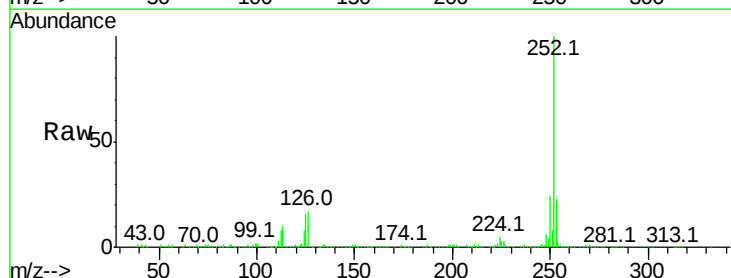
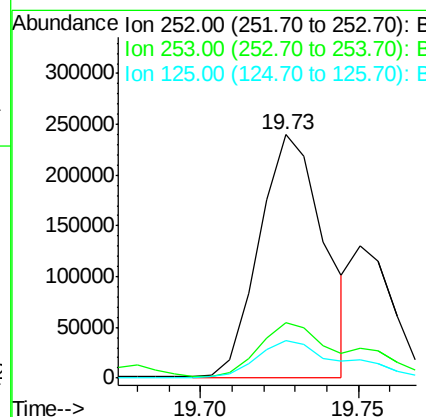
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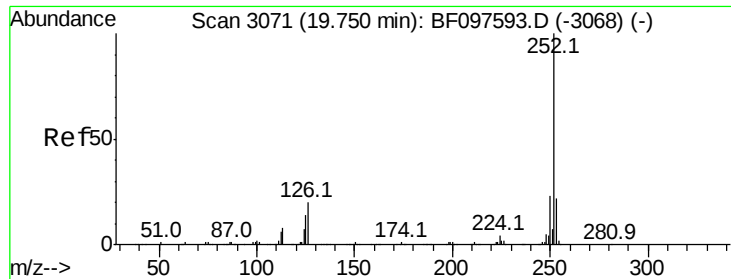
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#87
Benzo(b)fluoranthene
Concen: 35.834 ng m
RT: 19.73 min Scan# 3067
Delta R.T. 0.01 min
Lab File: BF097607.D
Acq: 11 Aug 2017 21:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	15.5	9.8	14.8#





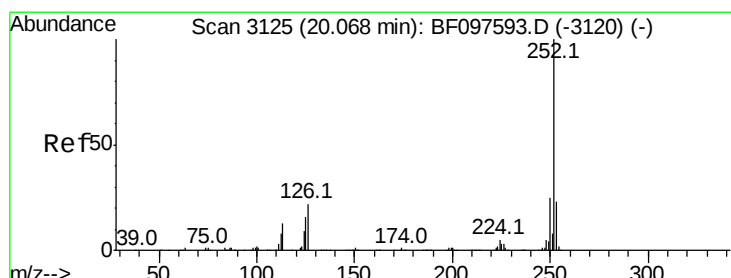
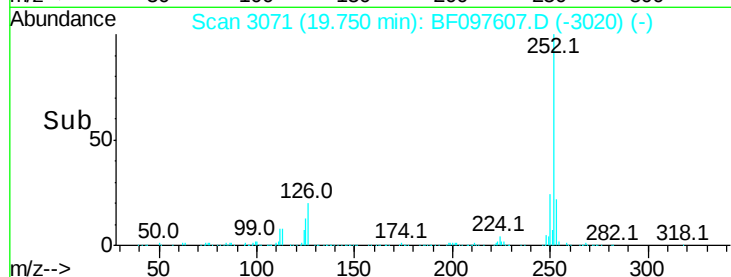
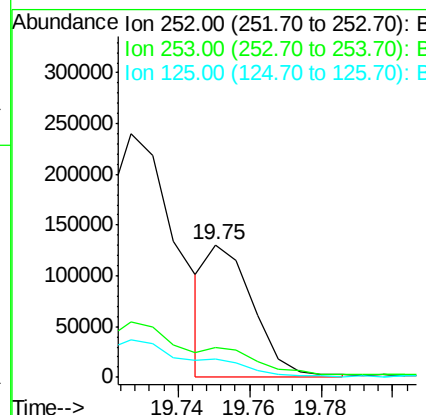
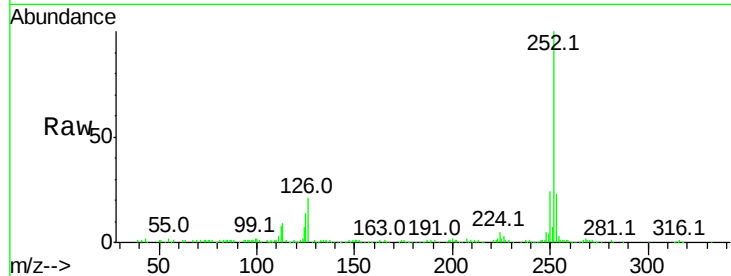
#88
Benzo(k)fluoranthene
Concen: 12.344 ng m
RT: 19.75 min Scan# 3071
Delta R.T. 0.00 min
Lab File: BF097607.D
Acq: 11 Aug 2017 21:52

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.4	27.6
125	13.6	13.1	19.7

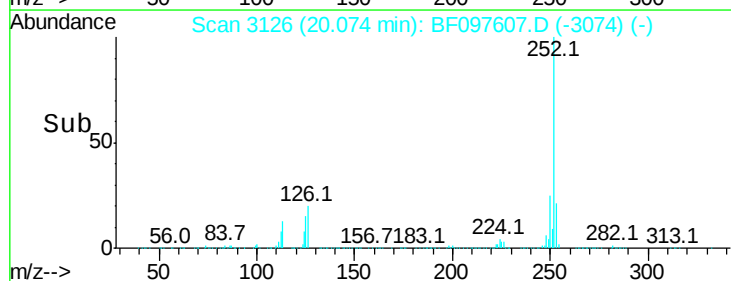
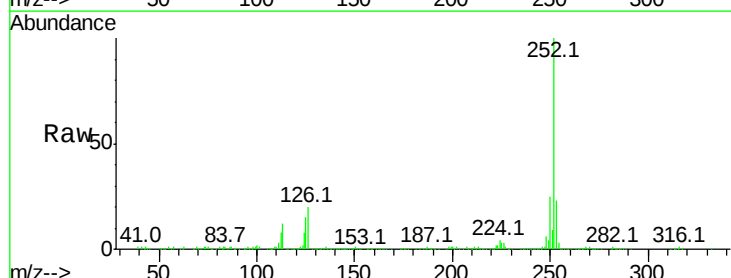
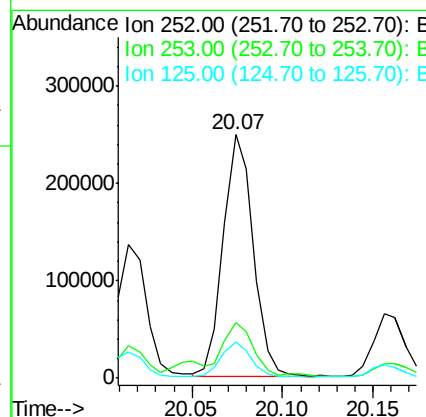
Manual Integrations
APPROVED

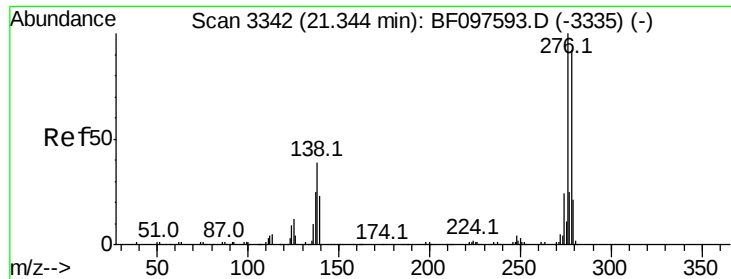
sohil
8/14/2017 6:54:27 PM



#89
Benzo(a)pyrene
Concen: 32.864 ng
RT: 20.07 min Scan# 3126
Delta R.T. 0.01 min
Lab File: BF097607.D
Acq: 11 Aug 2017 21:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	15.1	11.0	16.4





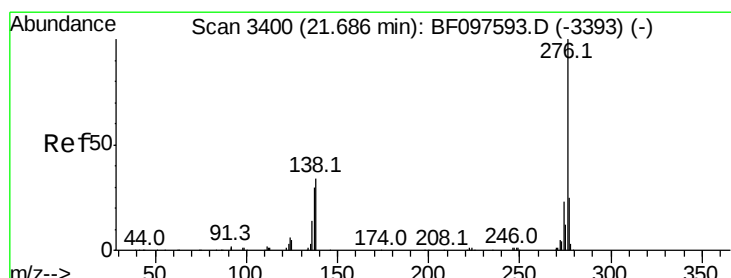
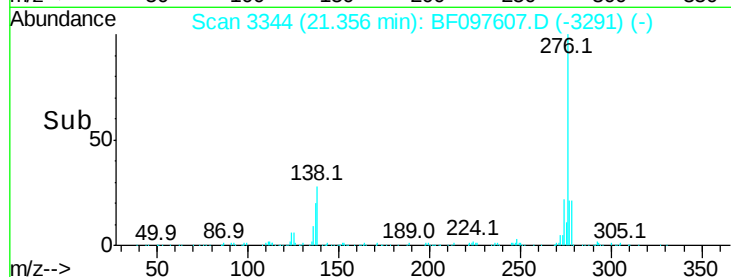
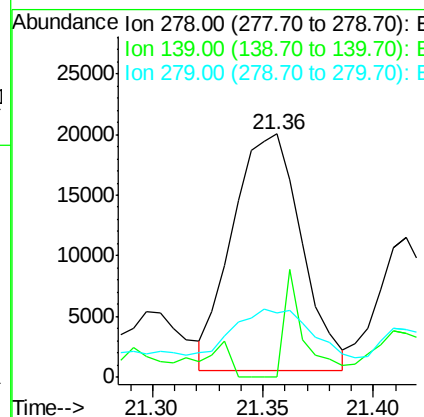
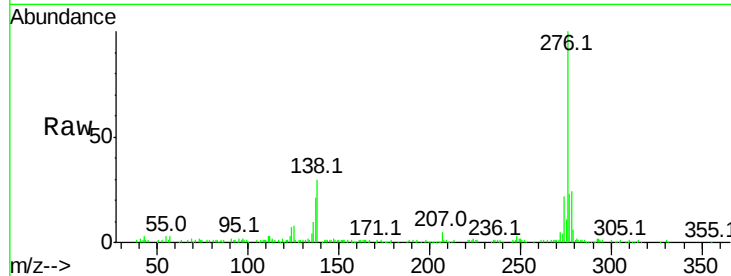
#90
Dibenzo(a,h)anthracene
Concen: 6.726 ng m
RT: 21.36 min Scan# 3344
Delta R.T. 0.01 min
Lab File: BF097607.D
Acq: 11 Aug 2017 21:52

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

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8#
279	26.6	19.3	28.9

Manual Integrations
APPROVED

sohil
8/14/2017 6:54:27 PM



#91
Benzo(g,h,i)perylene
Concen: 17.608 ng
RT: 21.70 min Scan# 3403
Delta R.T. 0.02 min
Lab File: BF097607.D
Acq: 11 Aug 2017 21:52

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.8	18.6	28.0
138	33.5	25.4	38.0

