

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
 Data File : BF097582.D
 Acq On : 11 Aug 2017 2:29
 Operator : SJ/JU
 Sample : I4697-12 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Aug 11 07:28:40 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 07 16:02:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.39	152	110868	20.00	ng	-0.02
21) Naphthalene-d8	7.67	136	414324	20.00	ng	-0.02
38) Acenaphthene-d10	9.42	164	168099	20.00	ng	-0.02
63) Phenanthrene-d10	10.89	188	238161	20.00	ng	-0.02
75) Chrysene-d12	13.52	240	182987	20.00	ng	-0.02
86) Perylene-d12	14.86	264	181026	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.00	112	120874	16.44	ng	0.00
7) Phenol-d6	6.08	99	178039	21.21	ng	0.00
23) Nitrobenzene-d5	6.97	82	93206	13.20	ng	-0.02
41) 2,4,6-Tribromophenol	10.21	330	18748	14.12	ng	-0.02
44) 2-Fluorobiphenyl	8.75	172	133468	13.47	ng	-0.02
78) Terphenyl-d14	12.47	244	69901	7.79	ng	-0.03
Target Compounds						Qvalue
31) Naphthalene	7.69	128	366152	18.747	ng	99
37) 2-Methylnaphthalene	8.39	142	134630	10.887	ng	98
45) 1,1'-Biphenyl	8.85	154	52540	3.659	ng	95
48) Acenaphthylene	9.28	152	110405	6.808	ng	96
51) Acenaphthene	9.45	154	108411	11.349	ng	98
54) Dibenzofuran	9.62	168	228600	17.966	ng	99
57) Fluorene	9.96	166	287345	30.046	ng	98
70) Phenanthrene	10.92	178	1110419	87.018	ng	99
71) Anthracene	10.97	178	333846	25.543	ng	100
72) Carbazole	11.14	167	105171	8.182	ng	96
74) Fluoranthene	12.10	202	774217	61.932	ng	99
77) Pyrene	12.33	202	681034	45.461	ng	98
80) Benzo(a)anthracene	13.51	228	356435	30.104	ng	95
82) Chrysene	13.54	228	255701	22.117	ng	98
85) Indeno(1,2,3-cd)pyrene	16.04	276	92203	9.301	ng	93
87) Benzo(b)fluoranthene	14.52	252	312400m	28.708	ng	
88) Benzo(k)fluoranthene	14.53	252	117854m	11.365	ng	
89) Benzo(a)pyrene	14.81	252	246378	24.738	ng	98
90) Dibenzo(a,h)anthracene	16.04	278	23741	2.907	ng	93
91) Benzo(a,h,i)perylene	16.40	276	81478	9.513	ng	99

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

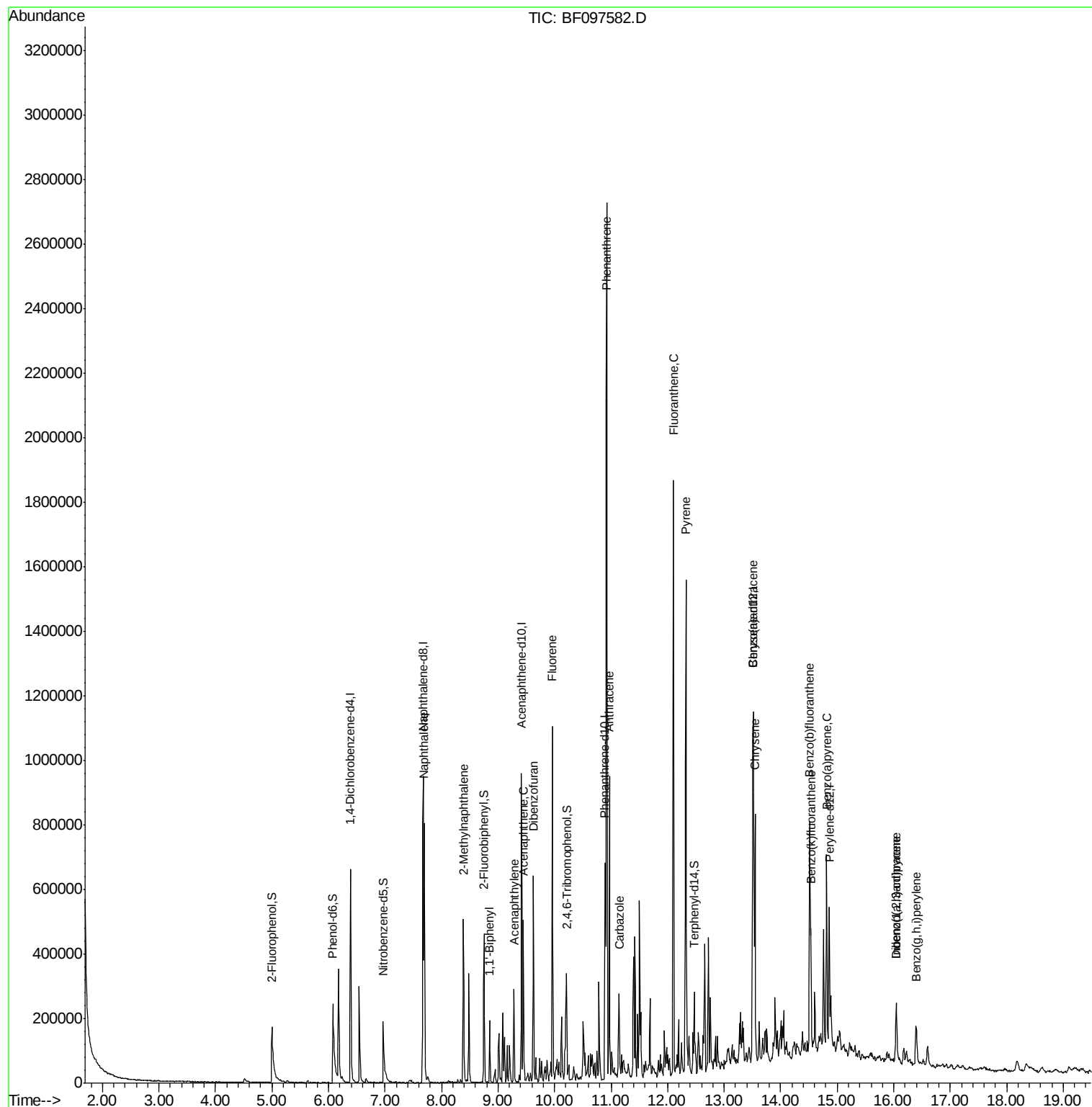
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
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Misc :
ALS Vial : 24 Sample Multiplier: 1

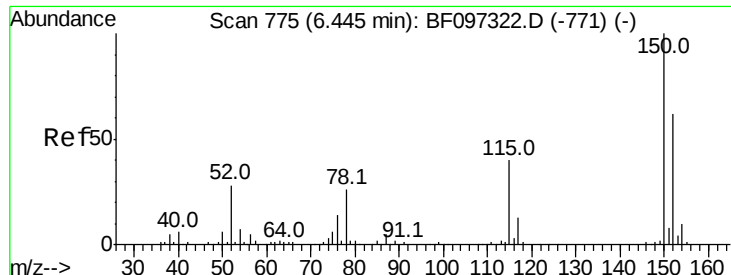
Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-7B

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#1

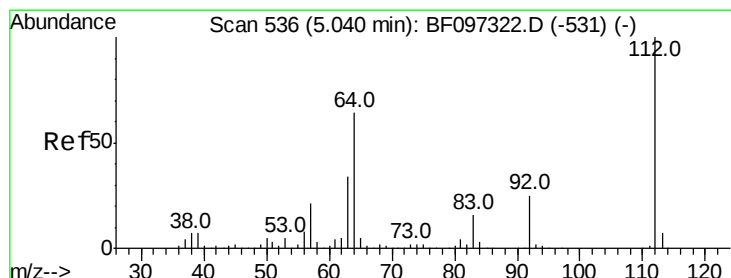
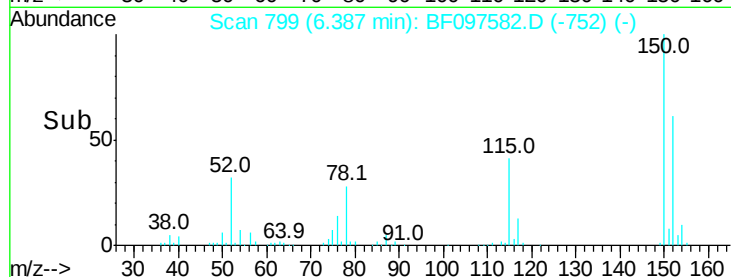
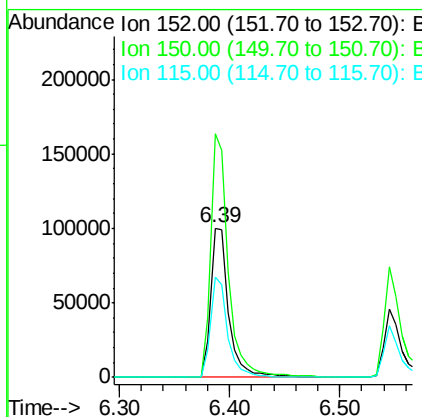
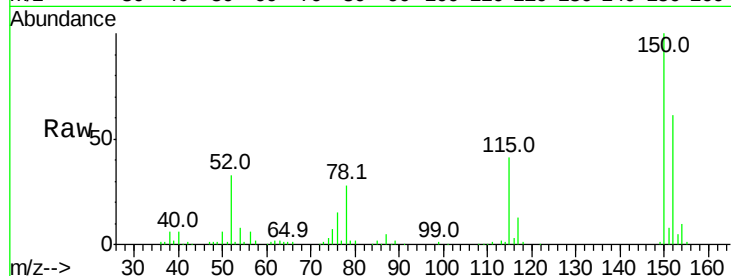
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.39 min Scan# 799
 Delta R.T. -0.02 min
 Lab File: BF097582.D
 Acq: 11 Aug 2017 2:29

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.0	126.2	189.2
115	67.2	52.2	78.2

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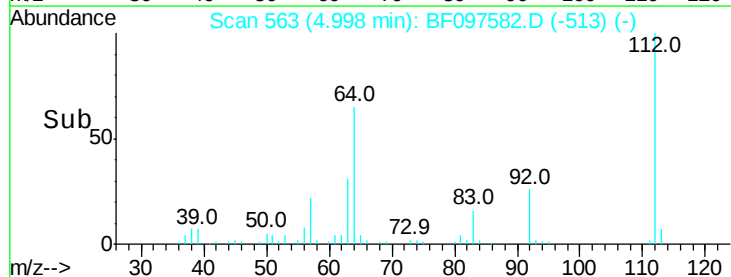
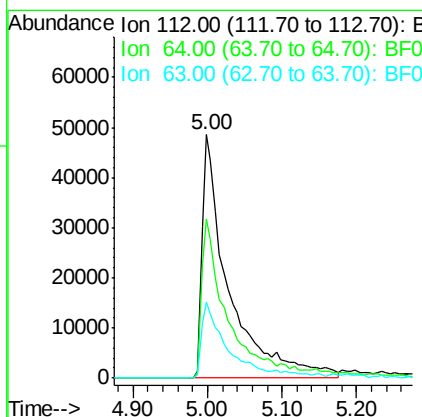
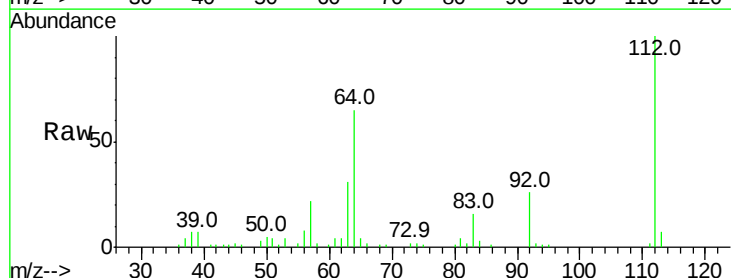
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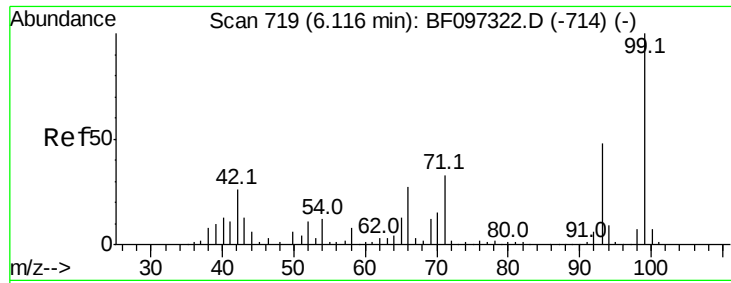


#5

2-Fluorophenol
 Concen: 16.435 ng
 RT: 5.00 min Scan# 563
 Delta R.T. -0.01 min
 Lab File: BF097582.D
 Acq: 11 Aug 2017 2:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.2	46.0	69.0
63	31.0	23.4	35.0





#7

Phenol-d6

Concen: 21.205 ng

RT: 6.08 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF097582.D

Acq: 11 Aug 2017 2:29

Instrument :

BNA_F

ClientSampleId :

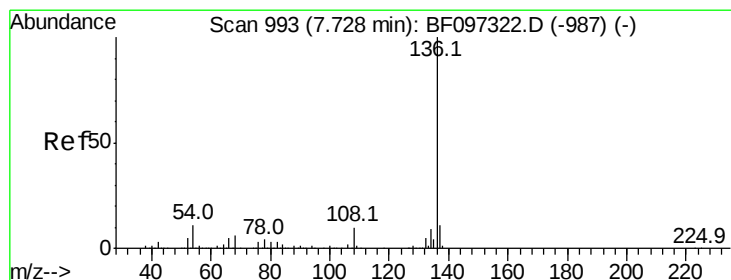
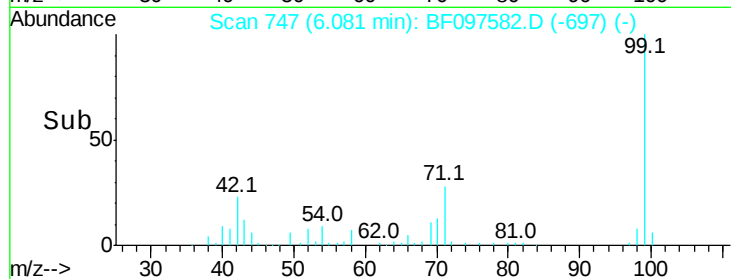
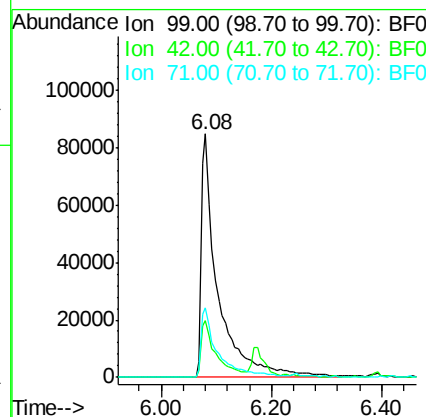
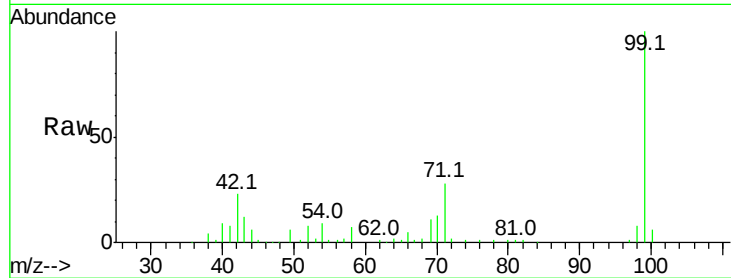
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Tot Ion: 99 Resp: 178039

Ion	Ratio	Lower	Upper
99	100		
42	23.1	13.5	20.3#
71	28.4	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.67 min Scan# 1018

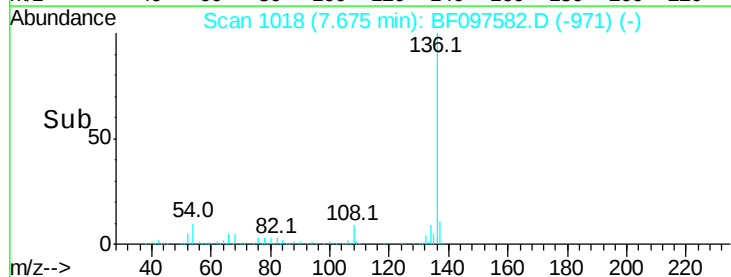
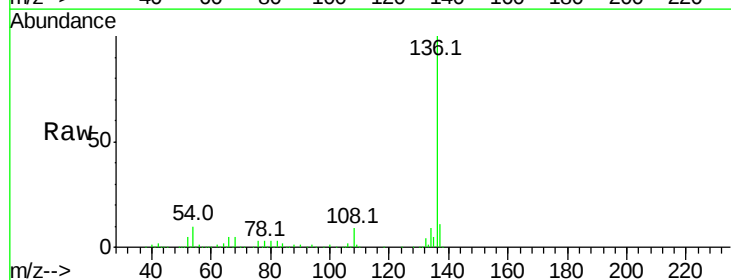
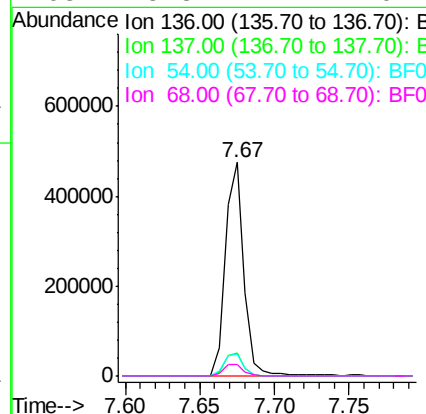
Delta R.T. -0.02 min

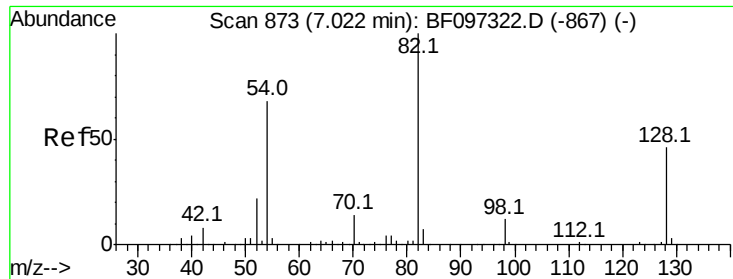
Lab File: BF097582.D

Acq: 11 Aug 2017 2:29

Tgt Ion: 136 Resp: 414324

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	9.9	4.9	7.3#
68	5.3	4.1	6.1





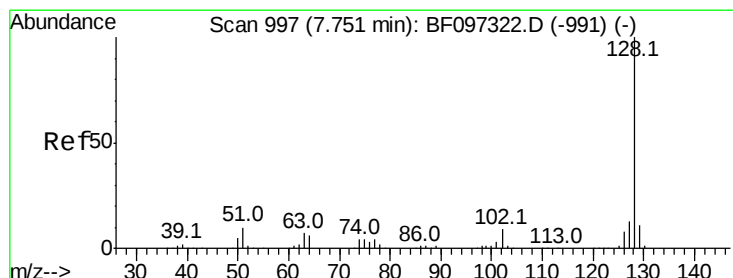
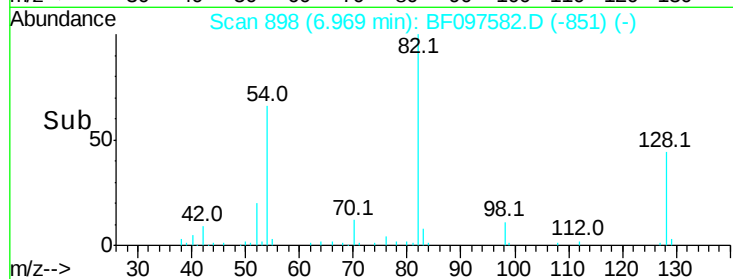
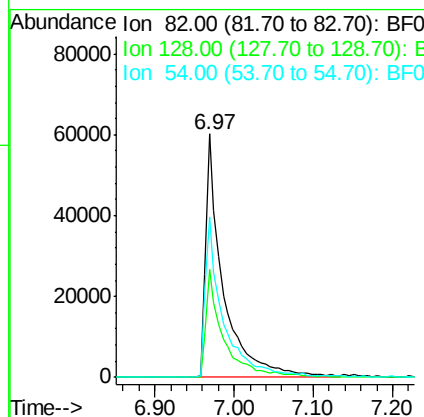
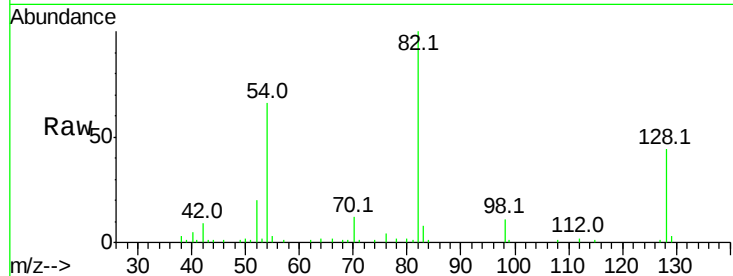
#23
Nitrobenzene-d5
Concen: 13.197 ng
RT: 6.97 min Scan# 898
Delta R.T. -0.02 min
Lab File: BF097582.D
Acq: 11 Aug 2017 2:29

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.2	34.0	51.0
54	66.0	42.2	63.2

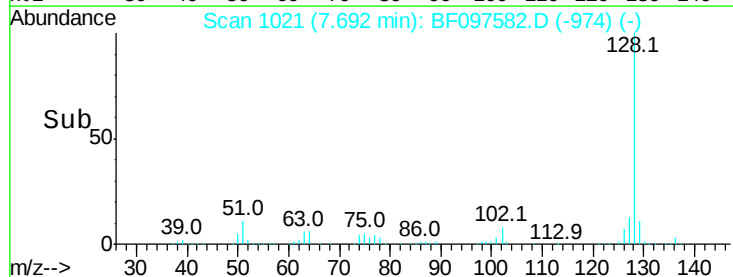
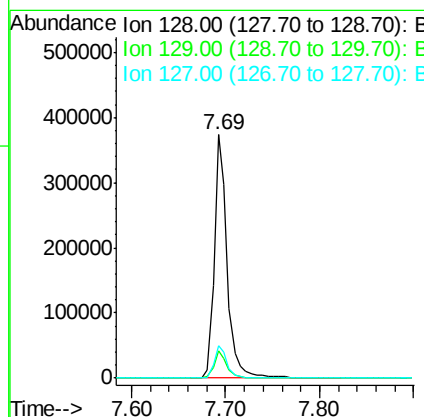
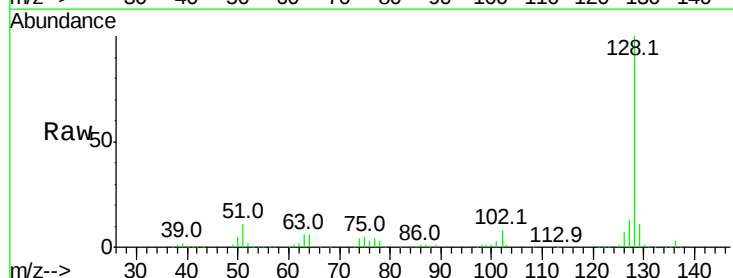
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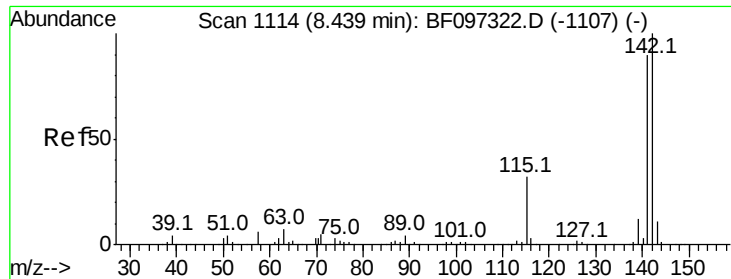
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#31
Naphthalene
Concen: 18.747 ng
RT: 7.69 min Scan# 1021
Delta R.T. -0.02 min
Lab File: BF097582.D
Acq: 11 Aug 2017 2:29

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.6
127	13.2	10.8	16.2





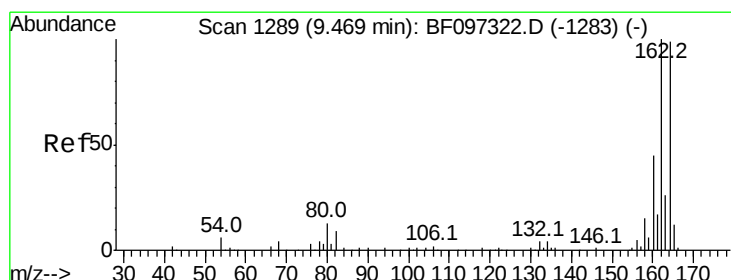
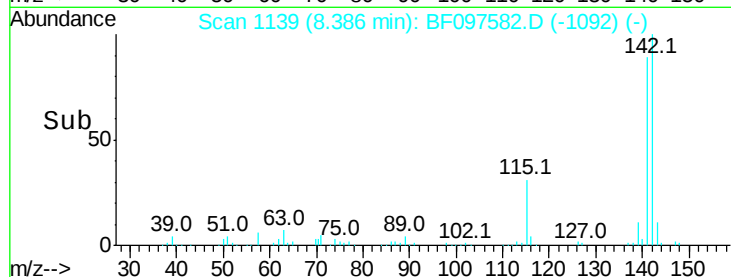
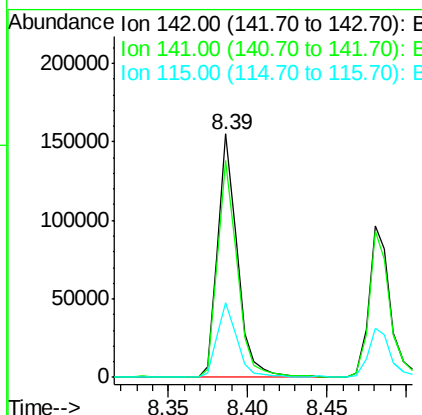
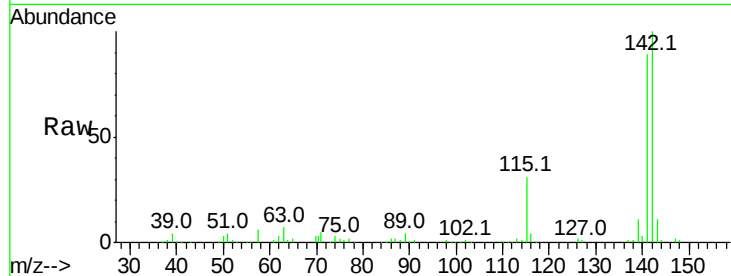
#37
2-Methylnaphthalene
Concen: 10.887 ng
RT: 8.39 min Scan# 1139
Delta R.T. -0.02 min
Lab File: BF097582.D
Acq: 11 Aug 2017 2:29

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

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.9	71.3	106.9
115	30.6	27.1	40.7

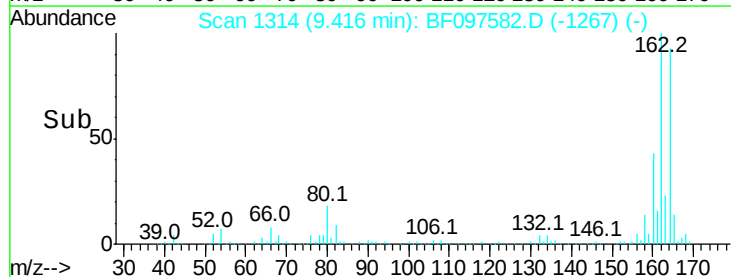
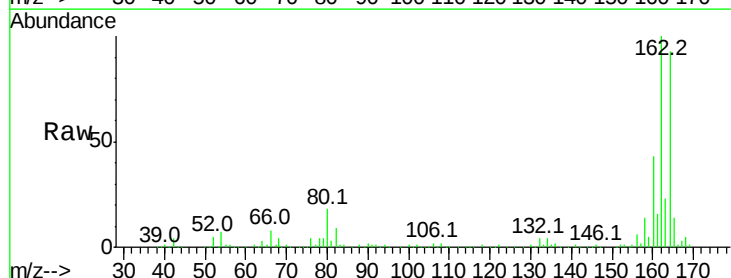
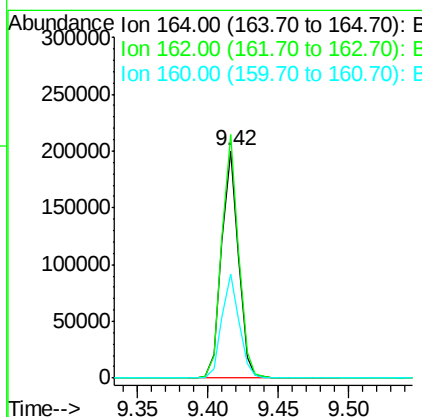
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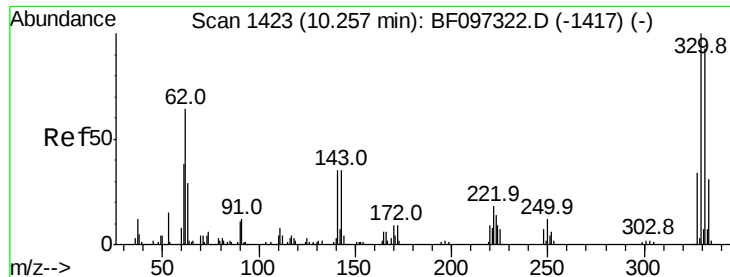
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.42 min Scan# 1314
Delta R.T. -0.02 min
Lab File: BF097582.D
Acq: 11 Aug 2017 2:29

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.2	82.6	123.8
160	45.7	36.2	54.2





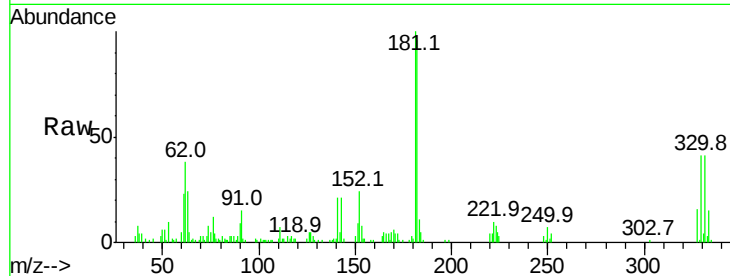
#41
 2,4,6-Tribromophenol
 Concen: 14.116 ng
 RT: 10.21 min Scan# 1449
 Delta R.T. -0.02 min
 Lab File: BF097582.D
 Acq: 11 Aug 2017 2:29

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

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.1	76.6	115.0	
141	50.1	31.4	47.2	

Manual Integrations
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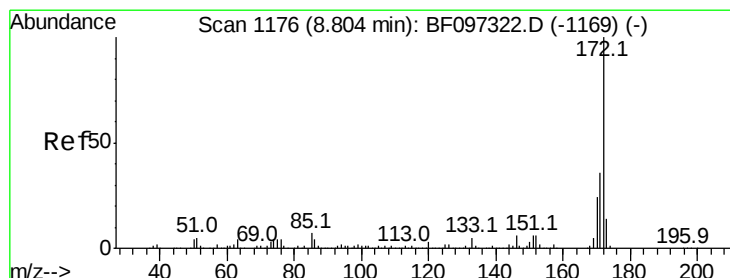
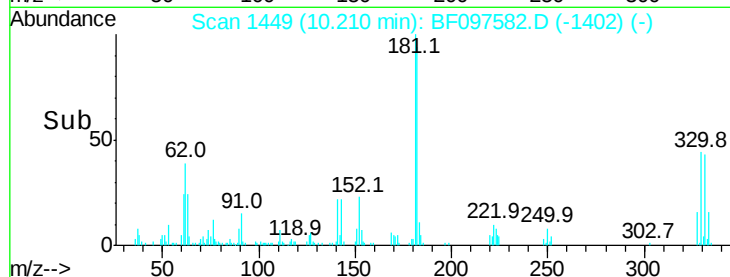
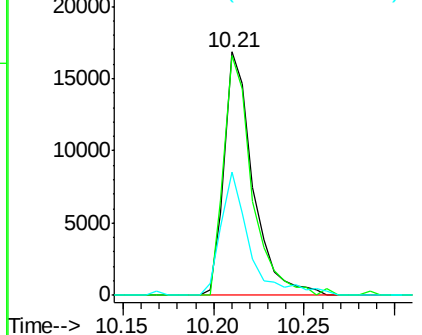


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 13.475 ng
 RT: 8.75 min Scan# 1201
 Delta R.T. -0.02 min
 Lab File: BF097582.D
 Acq: 11 Aug 2017 2:29

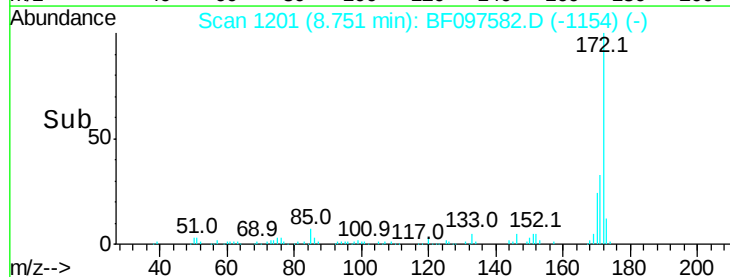
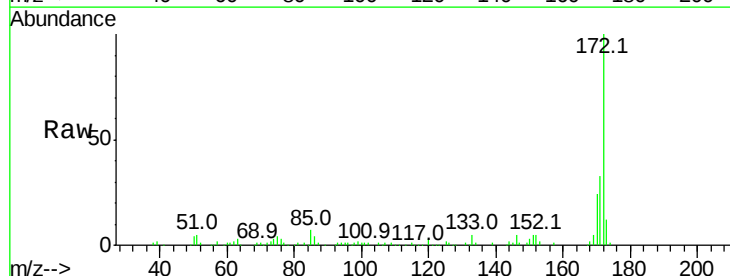
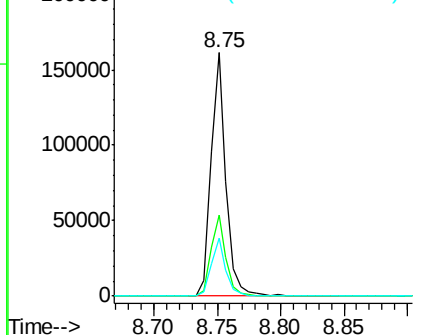
Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	33.4	29.6	44.4	
170	23.7	19.8	29.8	

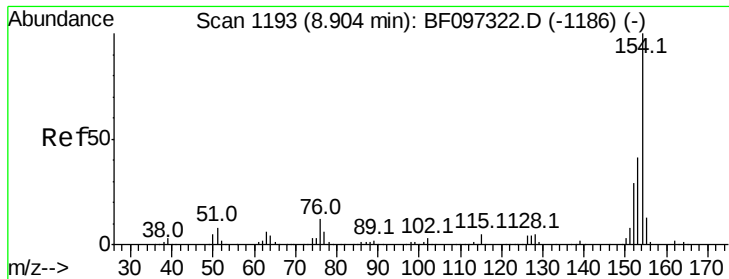
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





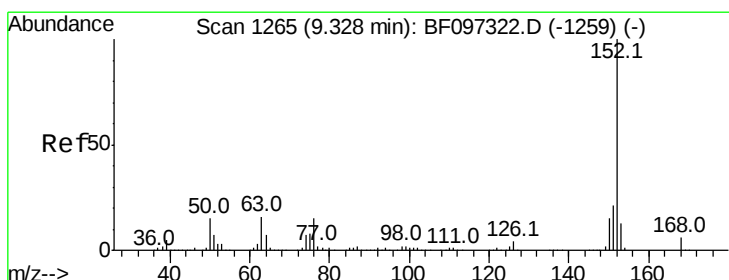
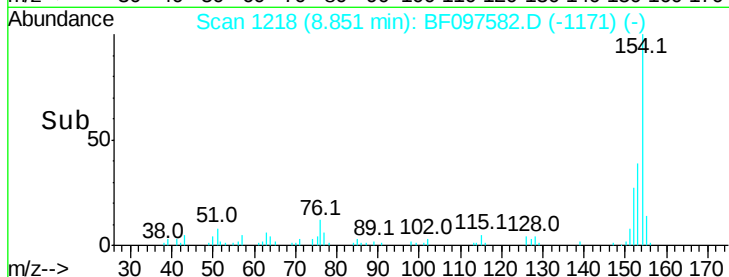
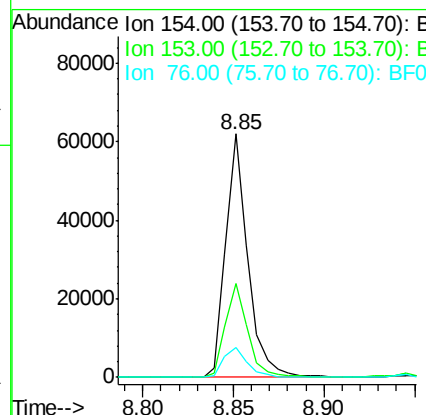
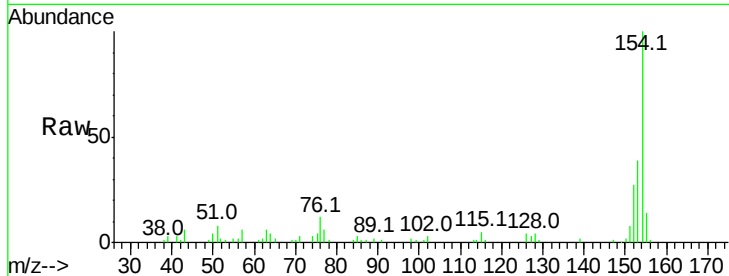
#45
1,1'-Biphenyl
Concen: 3.659 ng
RT: 8.85 min Scan# 1218
Delta R.T. -0.02 min
Lab File: BF097582.D
Acq: 11 Aug 2017 2:29

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

Tot Ion	Ratio	Lower	Upper
154	100		
153	38.6	21.2	61.2
76	12.2	0.0	29.9

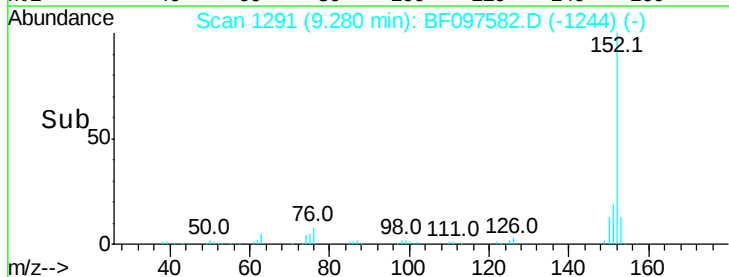
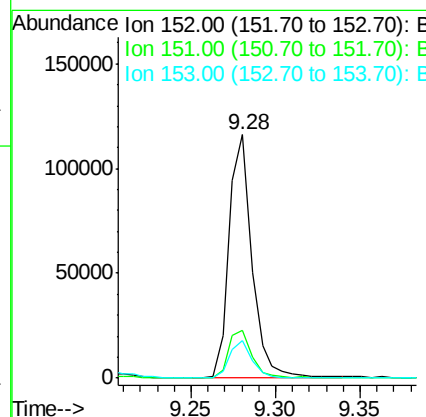
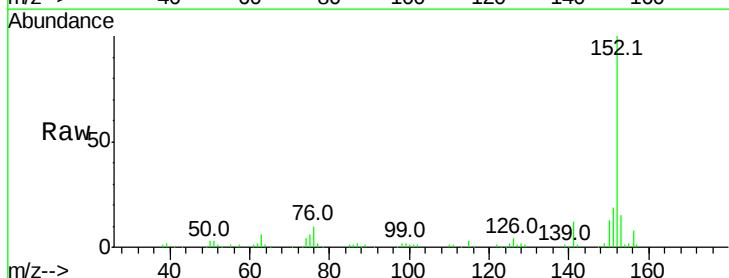
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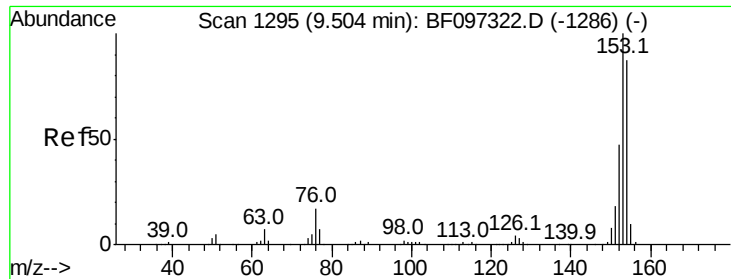
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#48
Acenaphthylene
Concen: 6.808 ng
RT: 9.28 min Scan# 1291
Delta R.T. -0.02 min
Lab File: BF097582.D
Acq: 11 Aug 2017 2:29

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.8	25.2
153	15.2	10.8	16.2





#51

Acenaphthene

Concen: 11.349 ng

RT: 9.45 min Scan# 1319

Delta R.T. -0.03 min

Lab File: BF097582.D

Acq: 11 Aug 2017 2:29

Instrument :

BNA_F

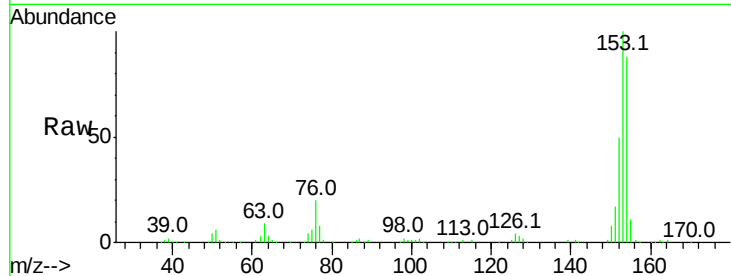
ClientSampleId :

NYSEG-PH4-ESMI-7B

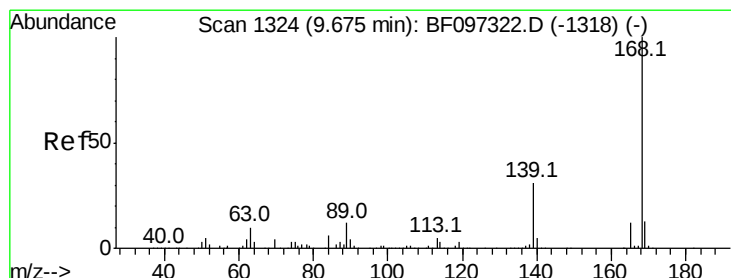
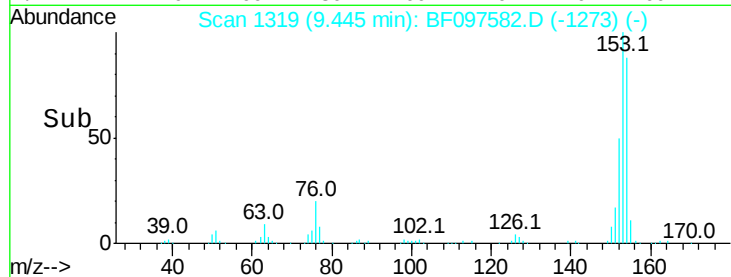
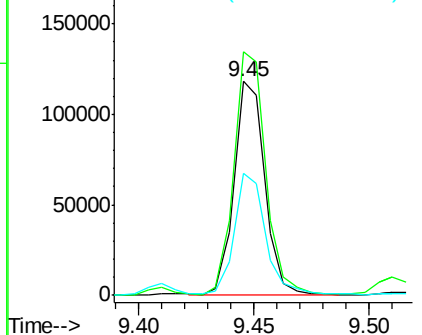
Tot Ion:	154	Resp:	108411
Ion Ratio	Lower	Upper	
154	100		
153	114.0	90.5	135.7
152	56.8	43.6	65.4

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: 17.966 ng

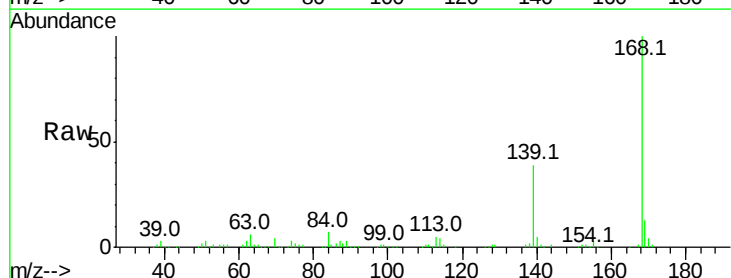
RT: 9.62 min Scan# 1349

Delta R.T. -0.02 min

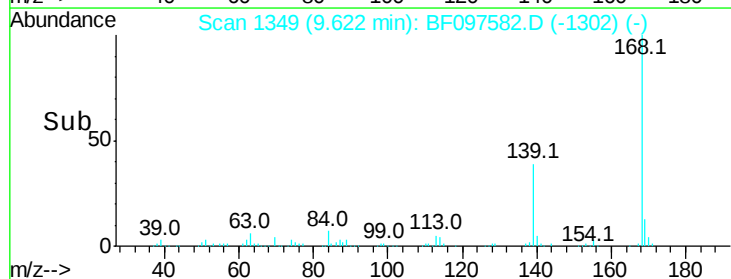
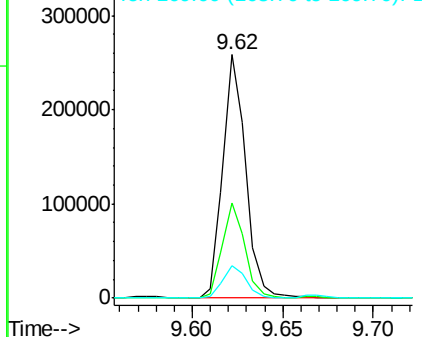
Lab File: BF097582.D

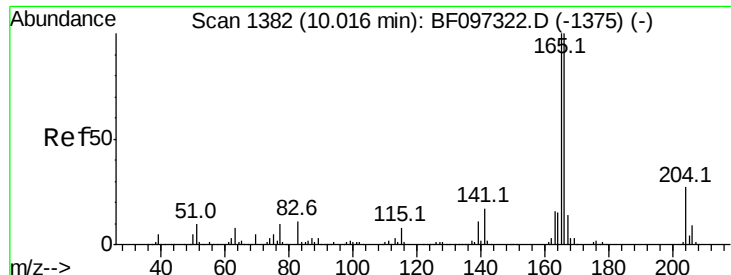
Acq: 11 Aug 2017 2:29

Tgt Ion:	168	Resp:	228600
Ion Ratio	Lower	Upper	
168	100		
139	39.2	30.6	45.8
169	13.2	10.8	16.2



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





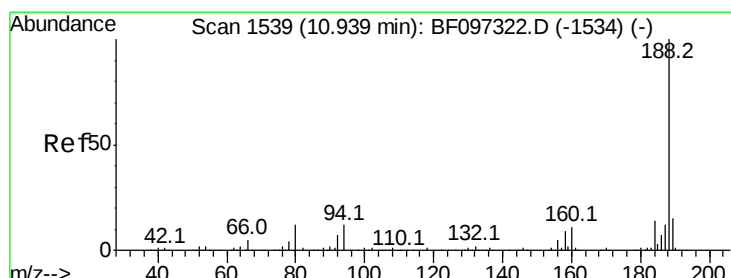
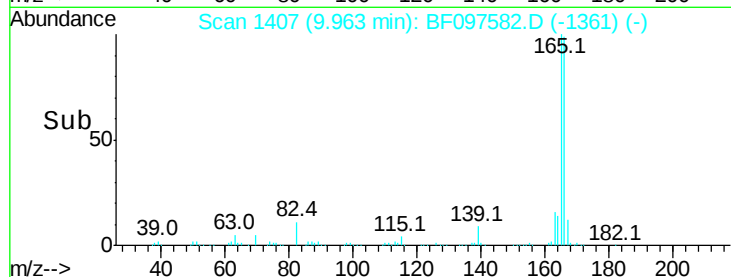
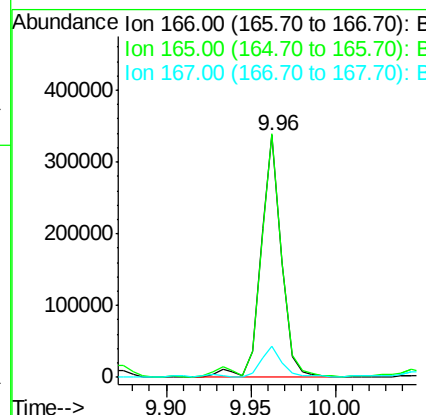
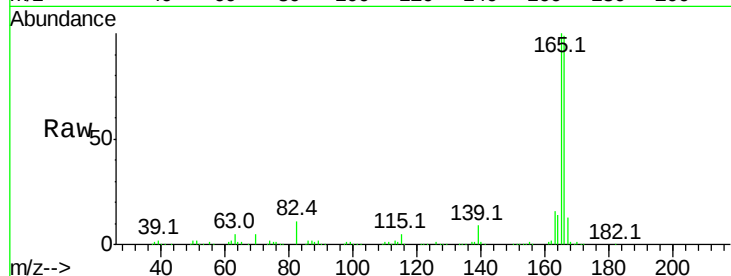
#57
Fluorene
 Concen: 30.046 ng
 RT: 9.96 min Scan# 1407
 Delta R.T. -0.03 min
 Lab File: BF097582.D
 Acq: 11 Aug 2017 2:29

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

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	100.7	78.8	118.2	
167	12.7	10.6	16.0	

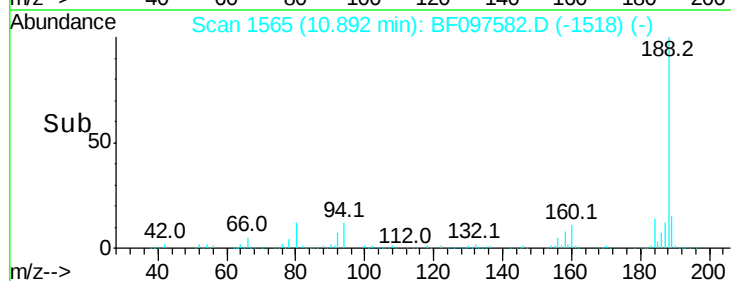
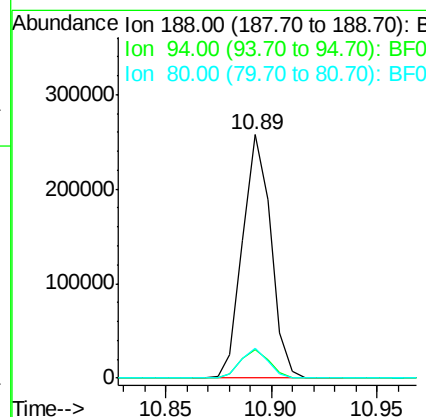
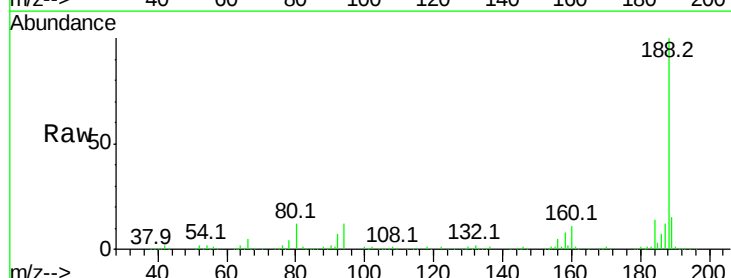
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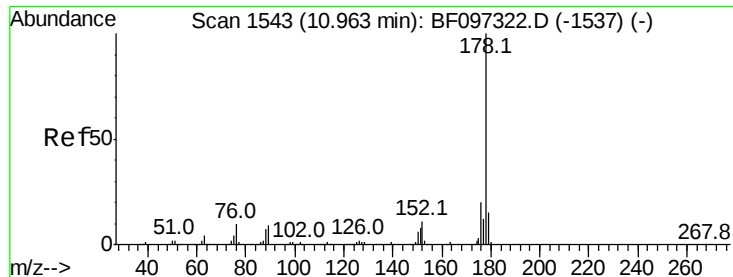
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 10.89 min Scan# 1565
 Delta R.T. -0.02 min
 Lab File: BF097582.D
 Acq: 11 Aug 2017 2:29

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	11.6	9.4	14.2	
80	12.3	10.2	15.2	





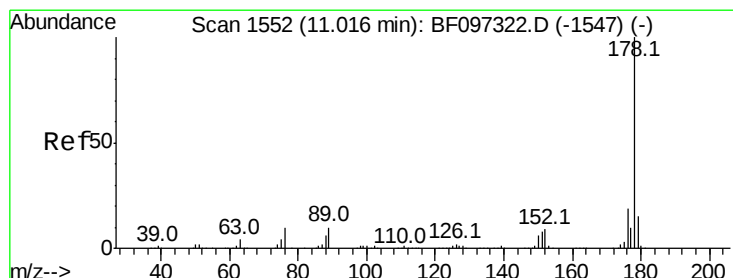
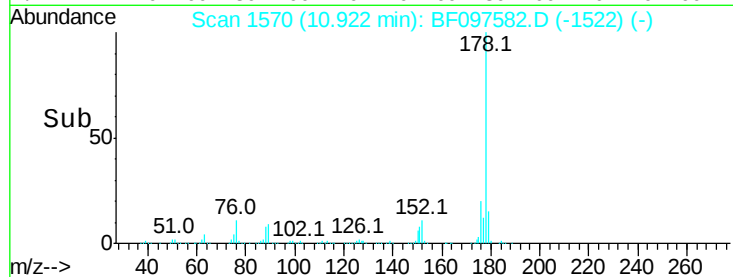
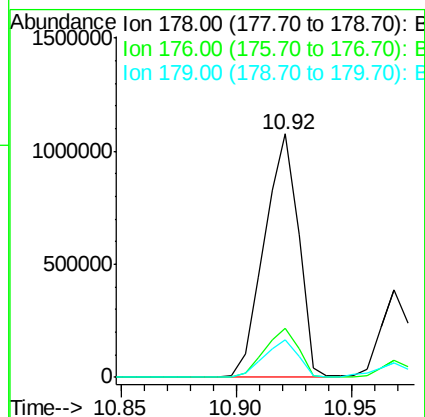
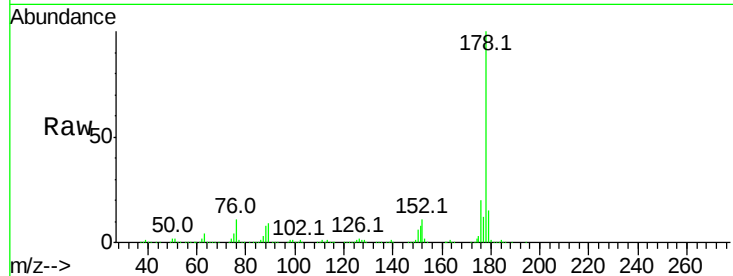
#70
Phenanthrene
Concen: 87.018 ng
RT: 10.92 min Scan# 1570
Delta R.T. -0.02 min
Lab File: BF097582.D
Acq: 11 Aug 2017 2:29

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.1	16.2	24.4
179	15.5	12.6	19.0

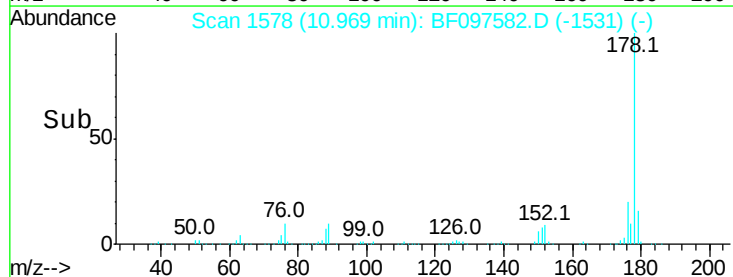
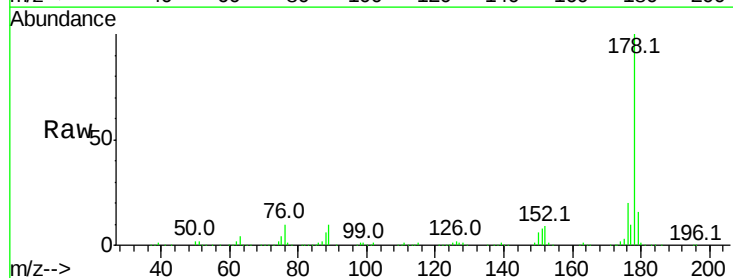
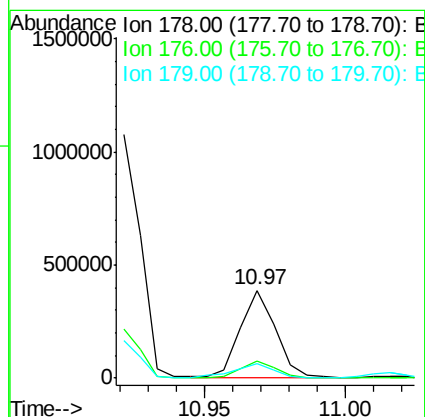
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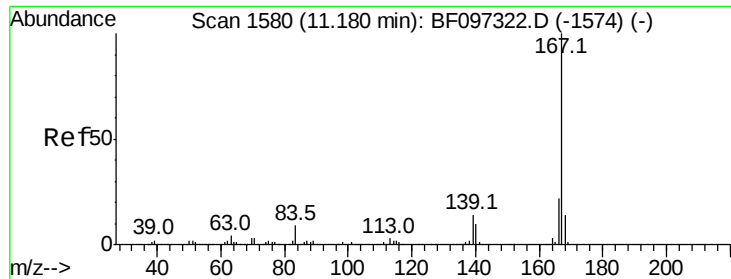
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#71
Anthracene
Concen: 25.543 ng
RT: 10.97 min Scan# 1578
Delta R.T. -0.02 min
Lab File: BF097582.D
Acq: 11 Aug 2017 2:29

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	16.3	12.7	19.1





#72

Carbazole

Concen: 8.182 ng

RT: 11.14 min Scan# 1607

Delta R.T. -0.01 min

Lab File: BF097582.D

Acq: 11 Aug 2017 2:29

Instrument :

BNA_F

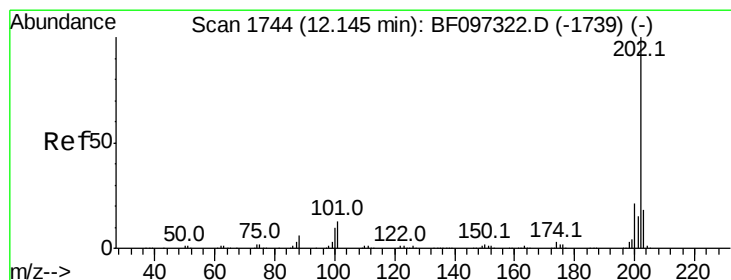
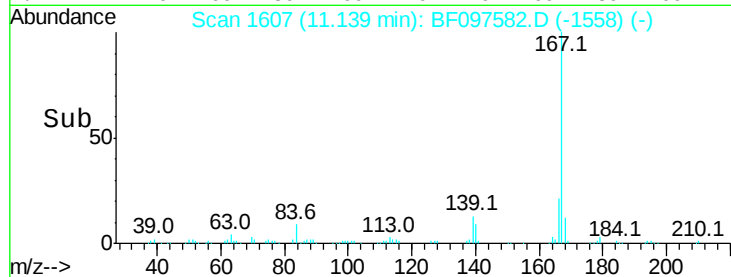
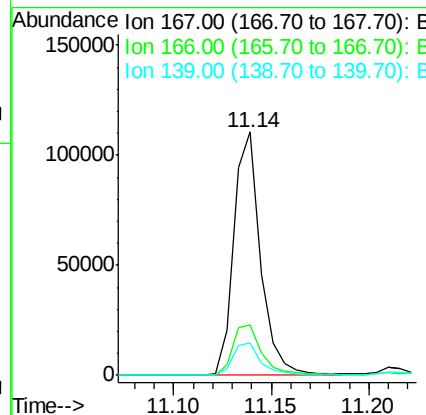
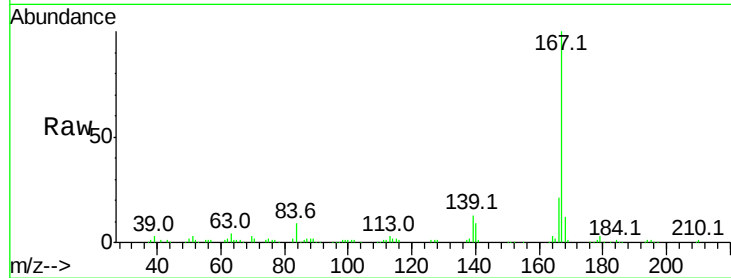
ClientSampleId :

NYSEG-PH4-ESMI-7B

Tot Ion:	167	Resp:	105171
Ion Ratio	Lower	Upper	
167	100		
166	20.7	18.1	27.1
139	13.4	11.7	17.5

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#74

Fluoranthene

Concen: 61.932 ng

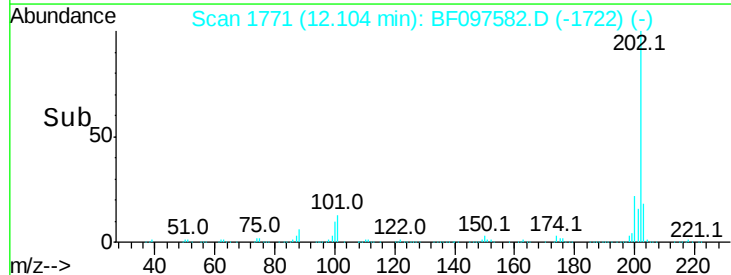
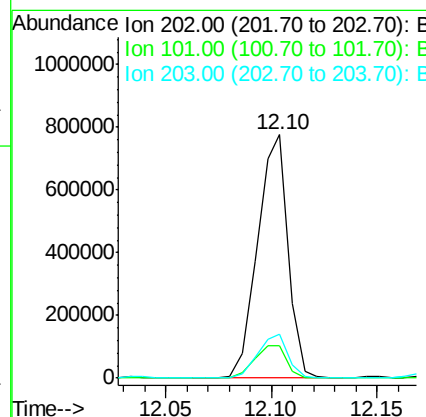
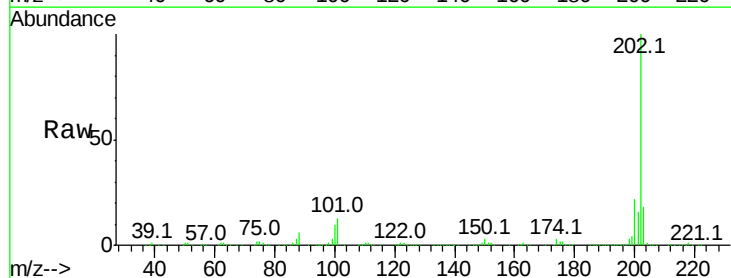
RT: 12.10 min Scan# 1771

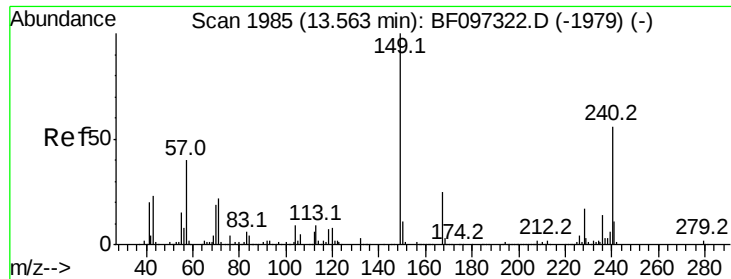
Delta R.T. -0.01 min

Lab File: BF097582.D

Acq: 11 Aug 2017 2:29

Tgt Ion:	202	Resp:	774217
Ion Ratio	Lower	Upper	
202	100		
101	13.4	0.0	33.2
203	17.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.52 min Scan# 2012

Delta R.T. -0.02 min

Lab File: BF097582.D

Acq: 11 Aug 2017 2:29

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI-7B

Tot Ion:240 Resp: 182987

Ion Ratio Lower Upper

240 100

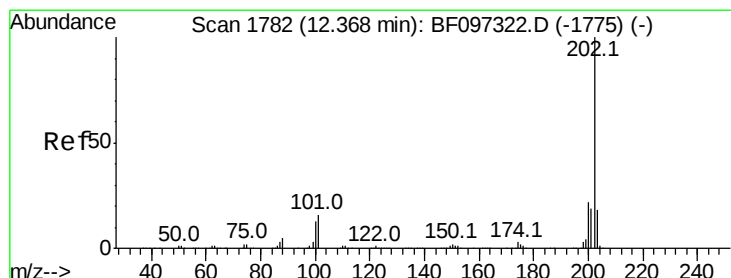
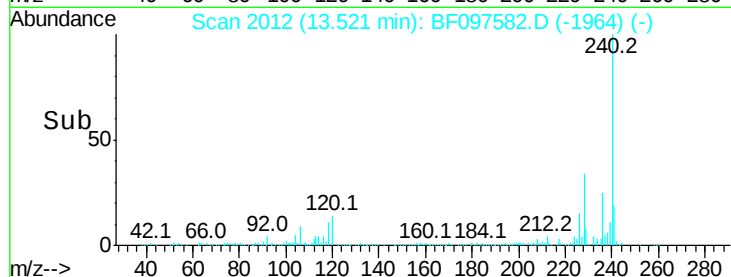
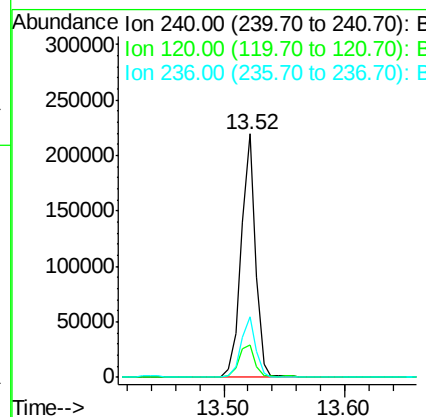
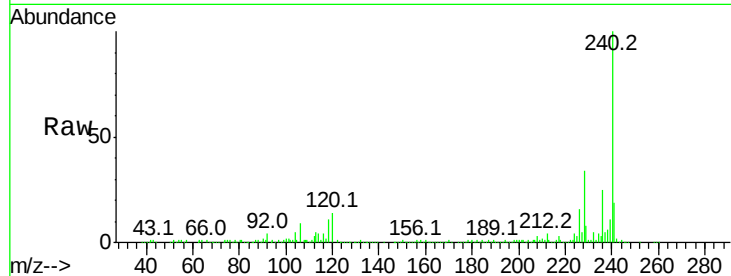
120 13.5 5.8 8.8#

236 25.0 20.5 30.7

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#77

Pyrene

Concen: 45.461 ng

RT: 12.33 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BF097582.D

Acq: 11 Aug 2017 2:29

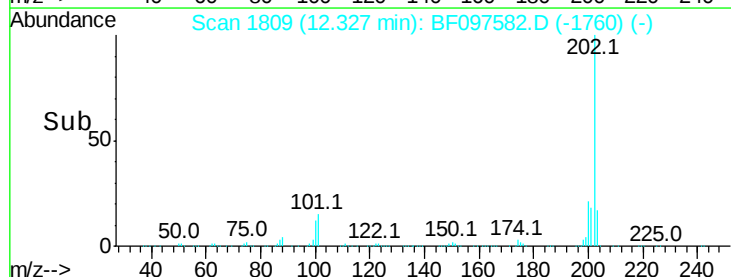
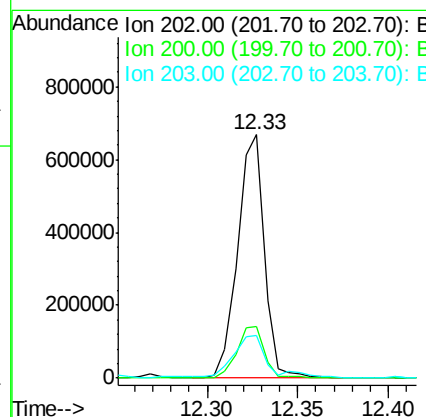
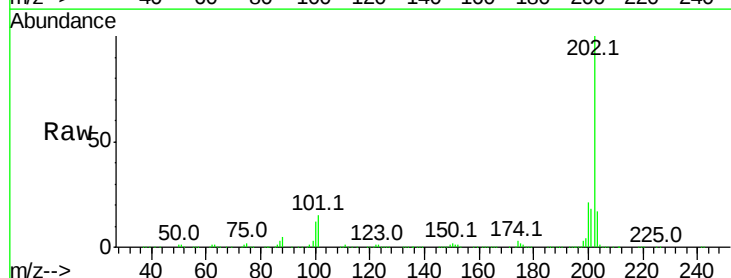
Tgt Ion:202 Resp: 681034

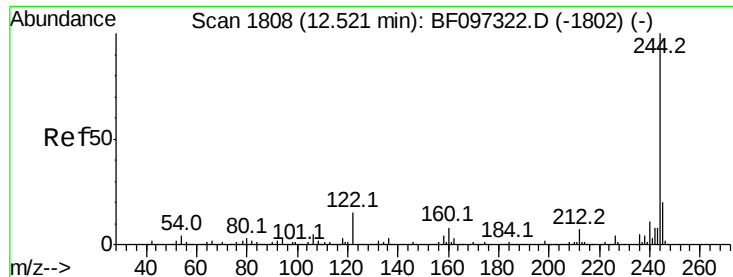
Ion Ratio Lower Upper

202 100

200 21.2 17.6 26.4

203 17.3 14.4 21.6





#78

Terphenyl-d14

Concen: 7.788 ng

RT: 12.47 min Scan# 1833

Delta R.T. -0.03 min

Lab File: BF097582.D

Acq: 11 Aug 2017 2:29

Instrument :

BNA_F

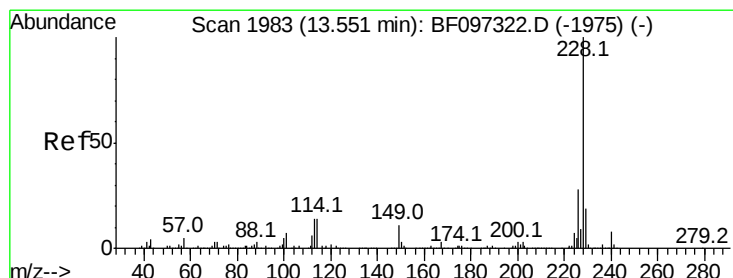
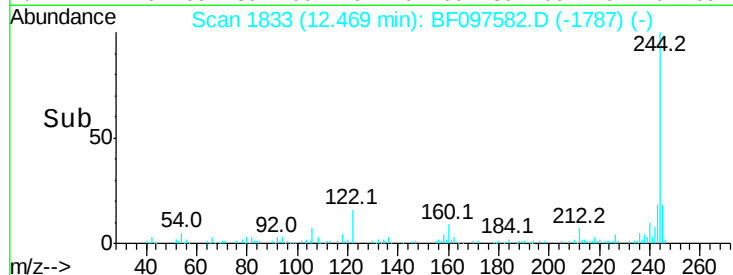
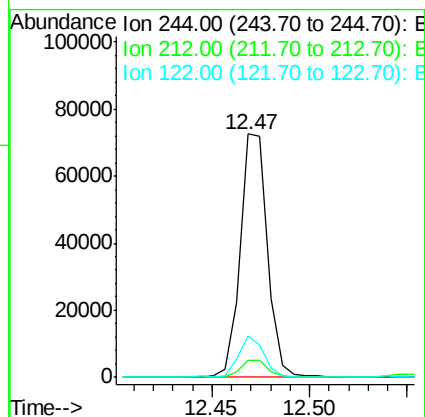
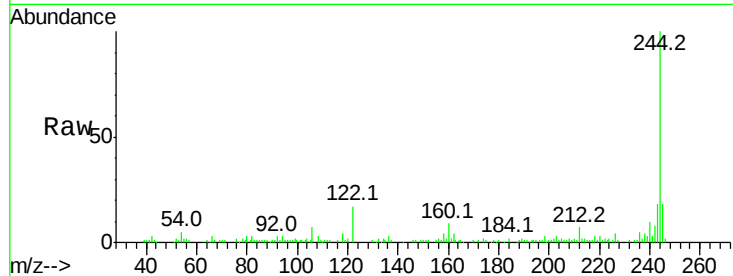
ClientSampleId :

NYSEG-PH4-ESMI-7B

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	17.0	10.3	15.5

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#80

Benzo(a)anthracene

Concen: 30.104 ng

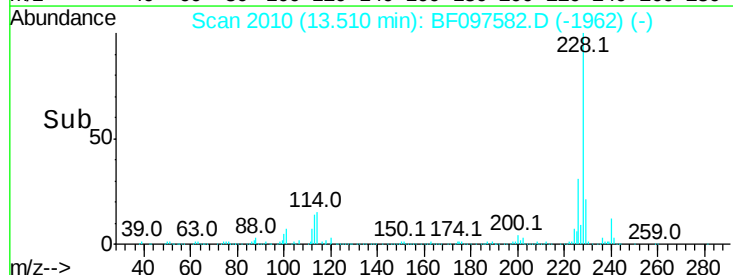
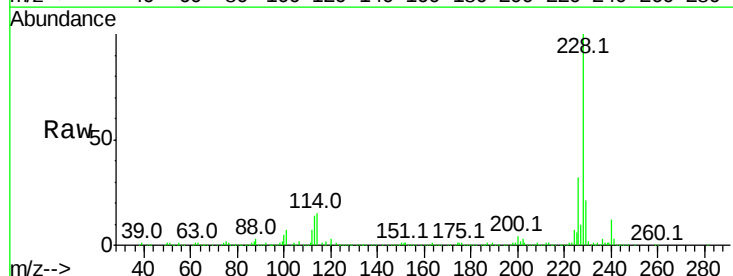
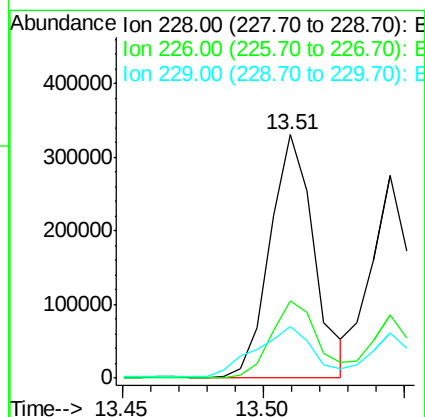
RT: 13.51 min Scan# 2010

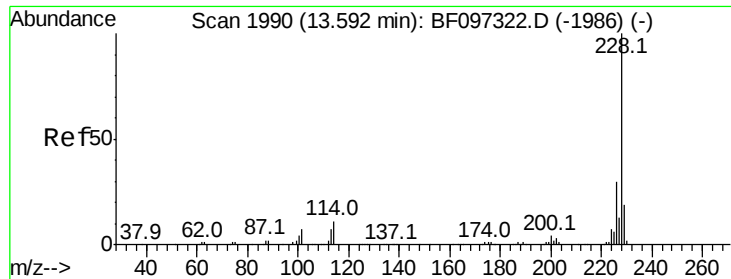
Delta R.T. -0.02 min

Lab File: BF097582.D

Acq: 11 Aug 2017 2:29

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	22.6	33.8
229	21.3	16.3	24.5





#82

Chrysene

Concen: 22.117 ng

RT: 13.54 min Scan# 2016

Delta R.T. -0.02 min

Lab File: BF097582.D

Acq: 11 Aug 2017 2:29

Instrument :

BNA_F

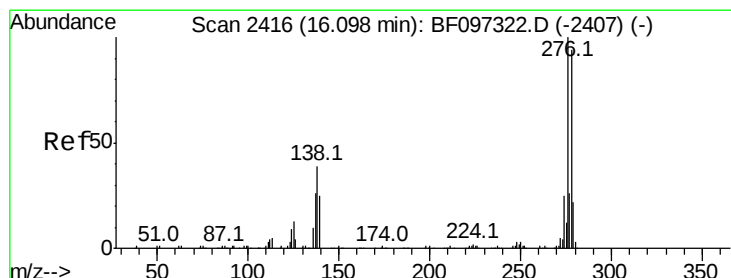
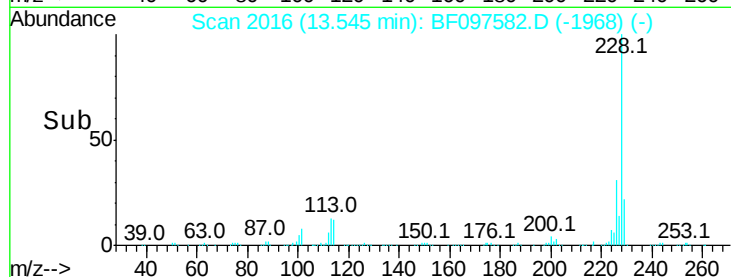
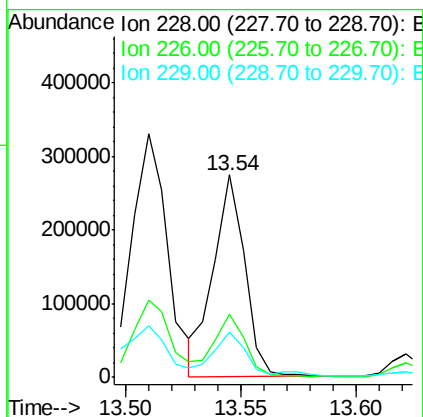
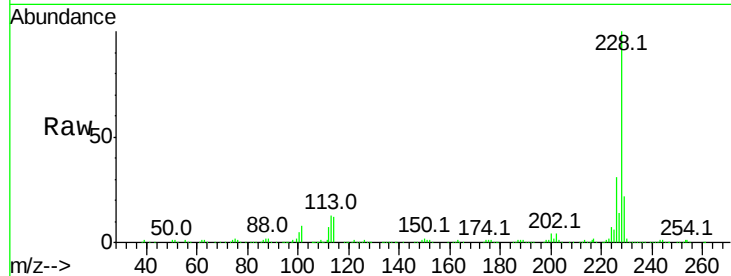
ClientSampleId :

NYSEG-PH4-ESMI-7B

Tot Ion:228	Resp:	255701
Ion Ratio	Lower	Upper
228 100		
226 31.4	24.9	37.3
229 22.2	15.8	23.6

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#85

Indeno(1,2,3-cd)pyrene

Concen: 9.301 ng

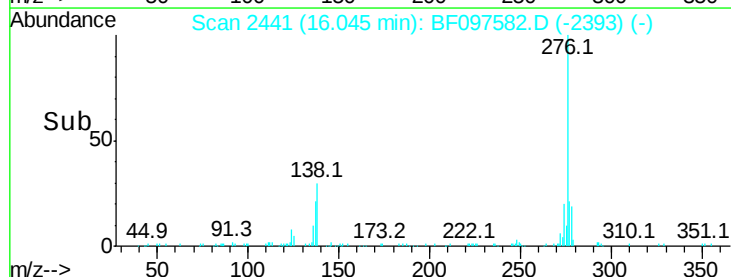
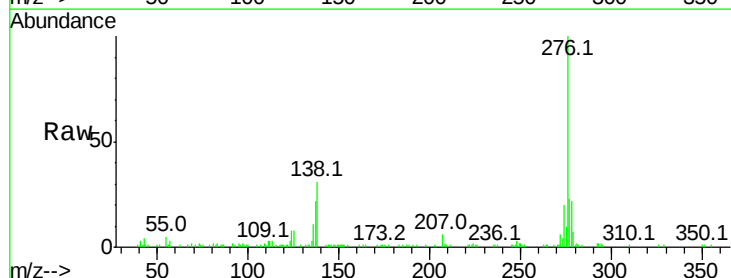
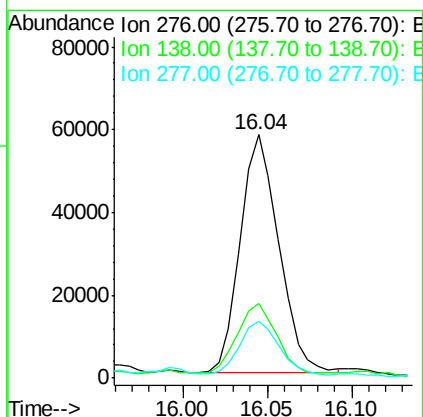
RT: 16.04 min Scan# 2441

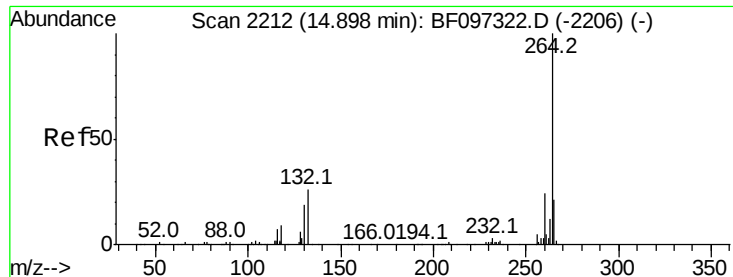
Delta R.T. -0.02 min

Lab File: BF097582.D

Acq: 11 Aug 2017 2:29

Tgt Ion:276	Resp:	92203
Ion Ratio	Lower	Upper
276 100		
138 28.9	27.8	41.6
277 24.1	20.2	30.4





#86

Pervlene-d12

Concen: 20.000 ng

RT: 14.86 min Scan# 2240

Delta R.T. -0.01 min

Lab File: BF097582.D

Acq: 11 Aug 2017 2:29

Instrument :

BNA_F

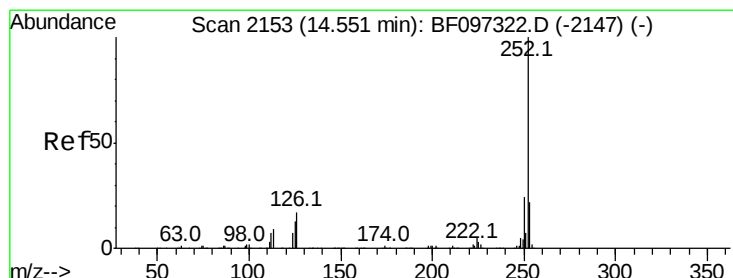
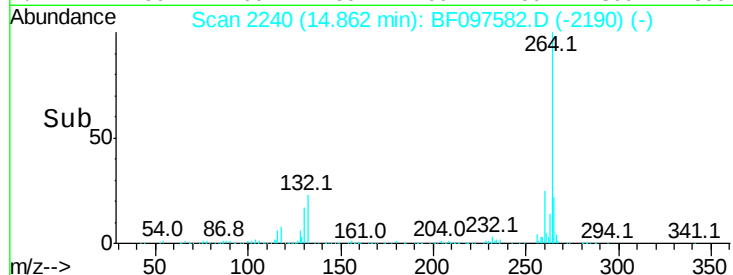
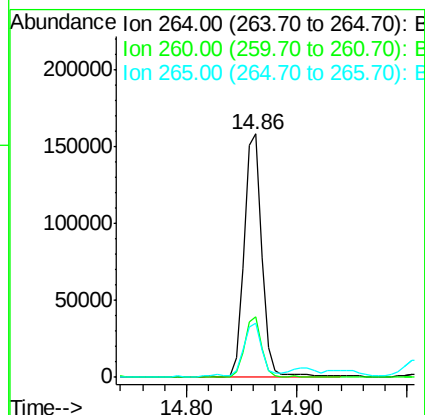
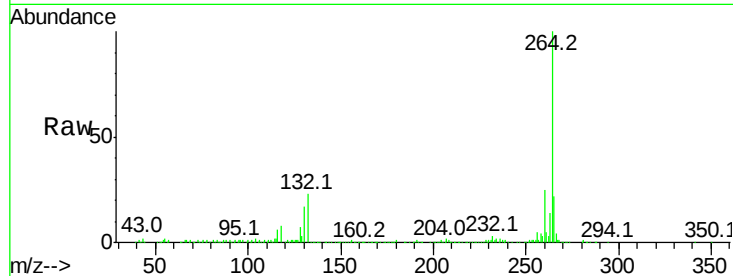
ClientSampleId :

NYSEG-PH4-ESMI-7B

Tot Ion:	264	Resp:	181026
Ion Ratio	Lower	Upper	
264	100		
260	24.8	19.5	29.3
265	22.5	17.2	25.8

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#87

Benzo(b)fluoranthene

Concen: 28.708 ng m

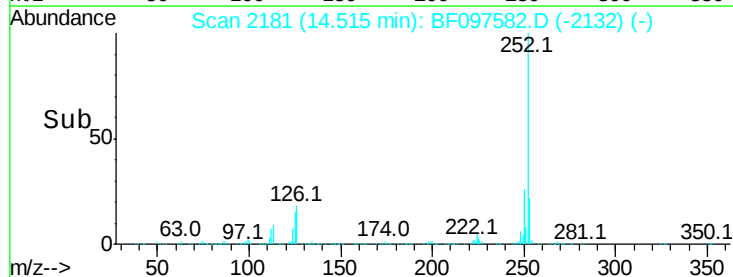
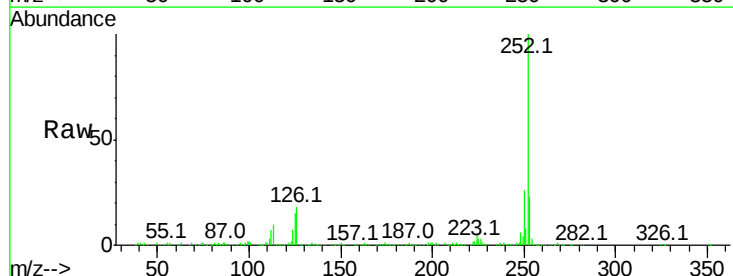
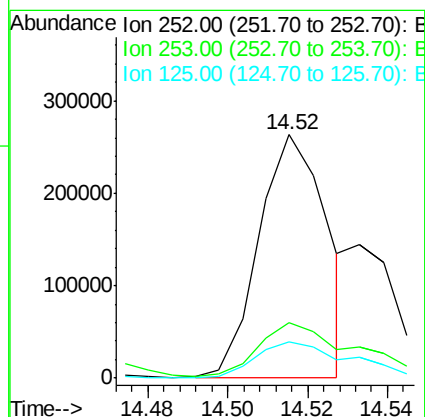
RT: 14.52 min Scan# 2181

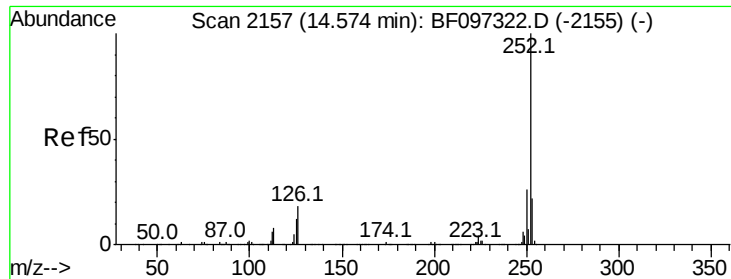
Delta R.T. -0.01 min

Lab File: BF097582.D

Acq: 11 Aug 2017 2:29

Tgt Ion:	252	Resp:	312400
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.1	27.1
125	15.1	9.8	14.8#





#88

Benzo(k)fluoranthene

Concen: 11.365 ng/mL

RT: 14.53 min Scan# 2184

Delta R.T. -0.02 min

Lab File: BF097582.D

Acq: 11 Aug 2017 2:29

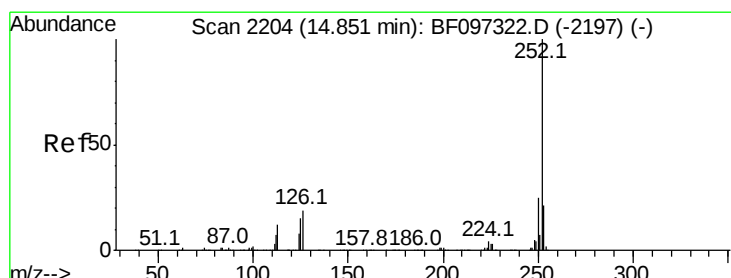
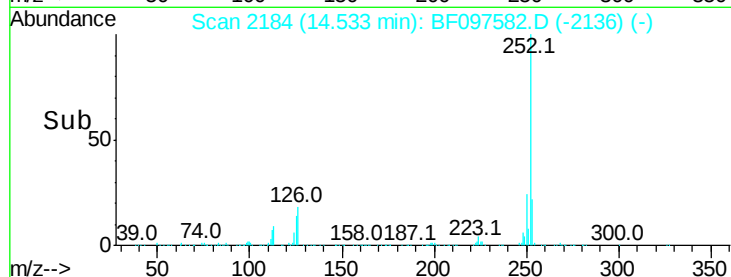
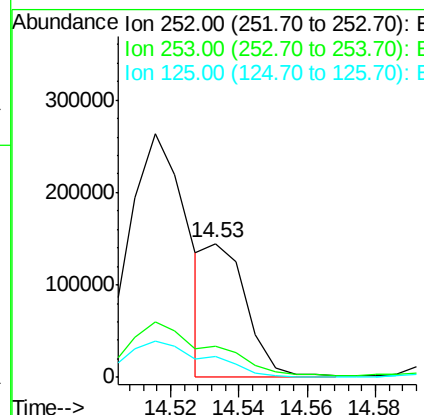
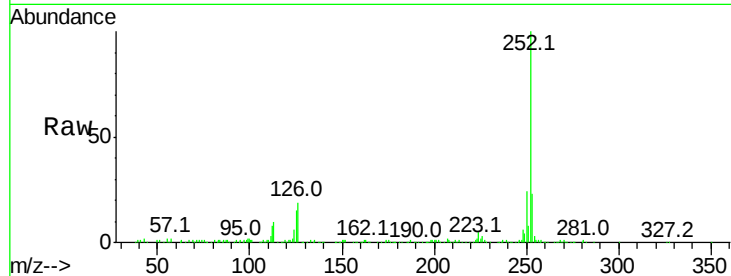
Instrument :
BNA_F

ClientSampleId :
NYSEG-PH4-ESMI-7B

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.4	27.6
125	15.2	13.1	19.7

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 24.738 ng/mL

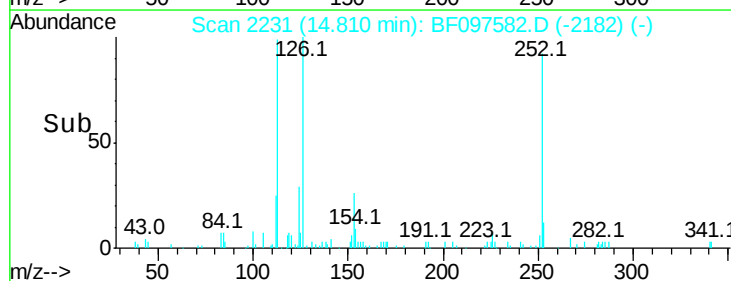
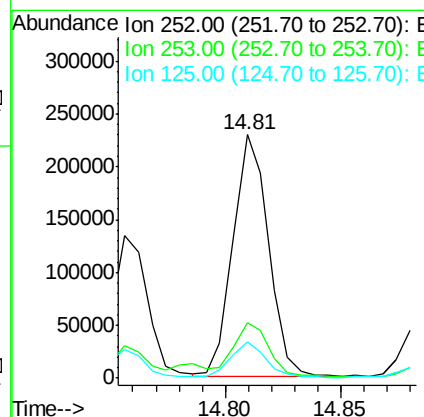
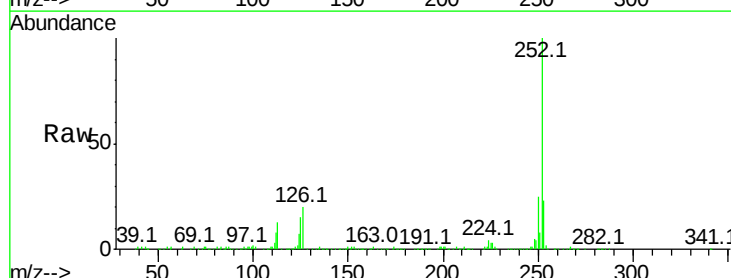
RT: 14.81 min Scan# 2231

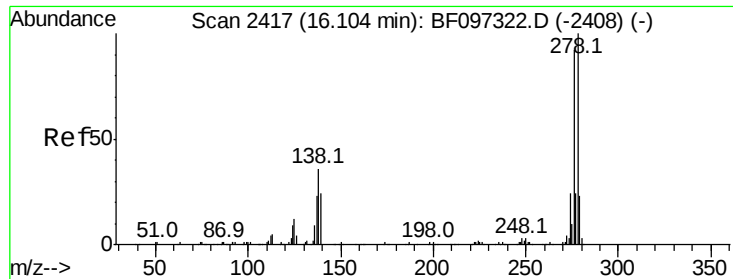
Delta R.T. -0.01 min

Lab File: BF097582.D

Acq: 11 Aug 2017 2:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	14.7	11.0	16.4





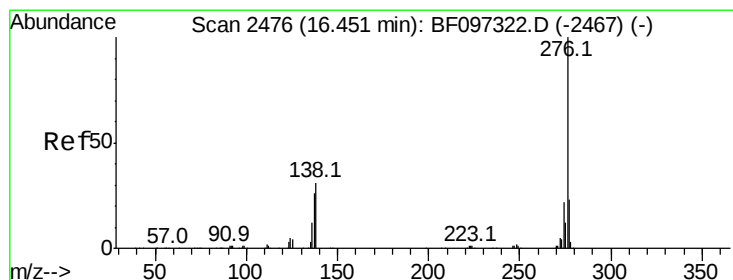
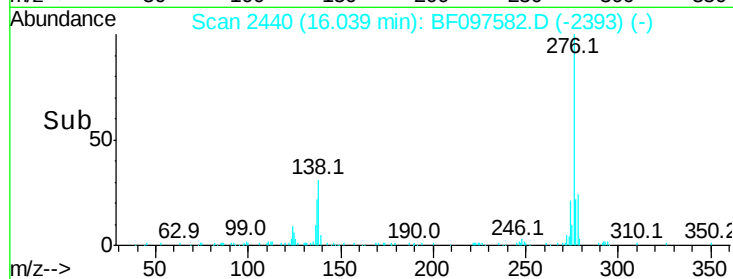
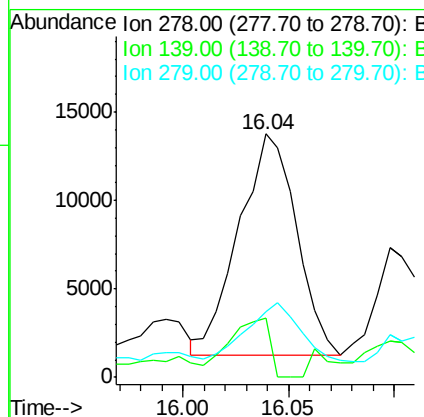
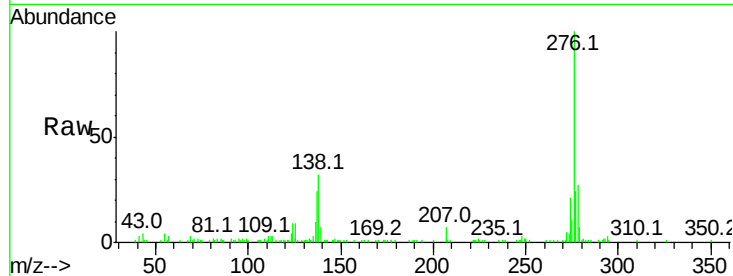
#90
Dibenzo(a,h)anthracene
Concen: 2.907 ng
RT: 16.04 min Scan# 2440
Delta R.T. -0.02 min
Lab File: BF097582.D
Acq: 11 Aug 2017 2:29

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

Tot Ion	Ratio	Lower	Upper
278	100		
139	24.1	16.6	24.8
279	27.0	19.3	28.9

Manual Integrations
APPROVED

sohil
8/14/2017 6:35:52 PM



#91
Benzo(g,h,i)perylene
Concen: 9.513 ng
RT: 16.40 min Scan# 2501
Delta R.T. -0.01 min
Lab File: BF097582.D
Acq: 11 Aug 2017 2:29

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.6	28.0
138	31.8	25.4	38.0

