

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081217\
 Data File : BF097655.D
 Acq On : 13 Aug 2017 4:36
 Operator : SJ/JU
 Sample : I4697-11DL 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-6BDL

Manual Integrations
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Quant Time: Aug 14 07:32:54 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	7.50	152	122608	20.00	ng	0.00
21) Naphthalene-d8	9.53	136	473311	20.00	ng	0.00
38) Acenaphthene-d10	12.35	164	194672	20.00	ng	-0.02
63) Phenanthrene-d10	14.75	188	264170	20.00	ng	-0.01
75) Chrysene-d12	18.45	240	188404	20.00	ng	-0.01
86) Perylene-d12	20.12	264	191782	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	141461	18.34	ng	0.05
7) Phenol-d6	7.10	99	192748	20.14	ng	0.04
23) Nitrobenzene-d5	8.43	82	102248	13.55	ng	0.00
41) 2,4,6-Tribromophenol	13.66	330	18098	12.23	ng	0.00
44) 2-Fluorobiphenyl	11.30	172	145571	11.29	ng	-0.02
78) Terphenyl-d14	17.10	244	71568	7.86	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	9.56	128	459800	19.395	ng	98
37) 2-Methylnaphthalene	10.70	142	47509	3.185	ng	97
48) Acenaphthylene	12.13	152	49449	2.426	ng	93
49) Dimethylphthalate	12.00	163	31146	2.076	ng	96
51) Acenaphthene	12.40	154	227040	18.583	ng	96
54) Dibenzofuran	12.70	168	91768	5.365	ng	97
57) Fluorene	13.24	166	184769	13.136	ng	99
70) Phenanthrene	14.80	178	943579	62.016	ng	99
71) Anthracene	14.87	178	334071	21.460	ng	98
72) Carbazole	15.19	167	32073	2.164	ng	97
74) Fluoranthene	16.56	202	726665	52.854	ng	97
77) Pyrene	16.86	202	605517	38.865	ng	98
80) Benzo(a)anthracene	18.44	228	292529m	26.585	ng	
82) Chrysene	18.49	228	236557	21.614	ng	98
85) Indeno(1,2,3-cd)pyrene	21.34	276	118929	13.971	ng	99
87) Benzo(b)fluoranthene	19.72	252	292019m	25.357	ng	
88) Benzo(k)fluoranthene	19.74	252	111880m	9.646	ng	
89) Benzo(a)pyrene	20.07	252	245933	23.267	ng	98
90) Dibenzo(a,h)anthracene	21.34	278	29356	3.879	ng	# 87
91) Benzo(a,h,i)perylene	21.69	276	111712	13.455	ng	92

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

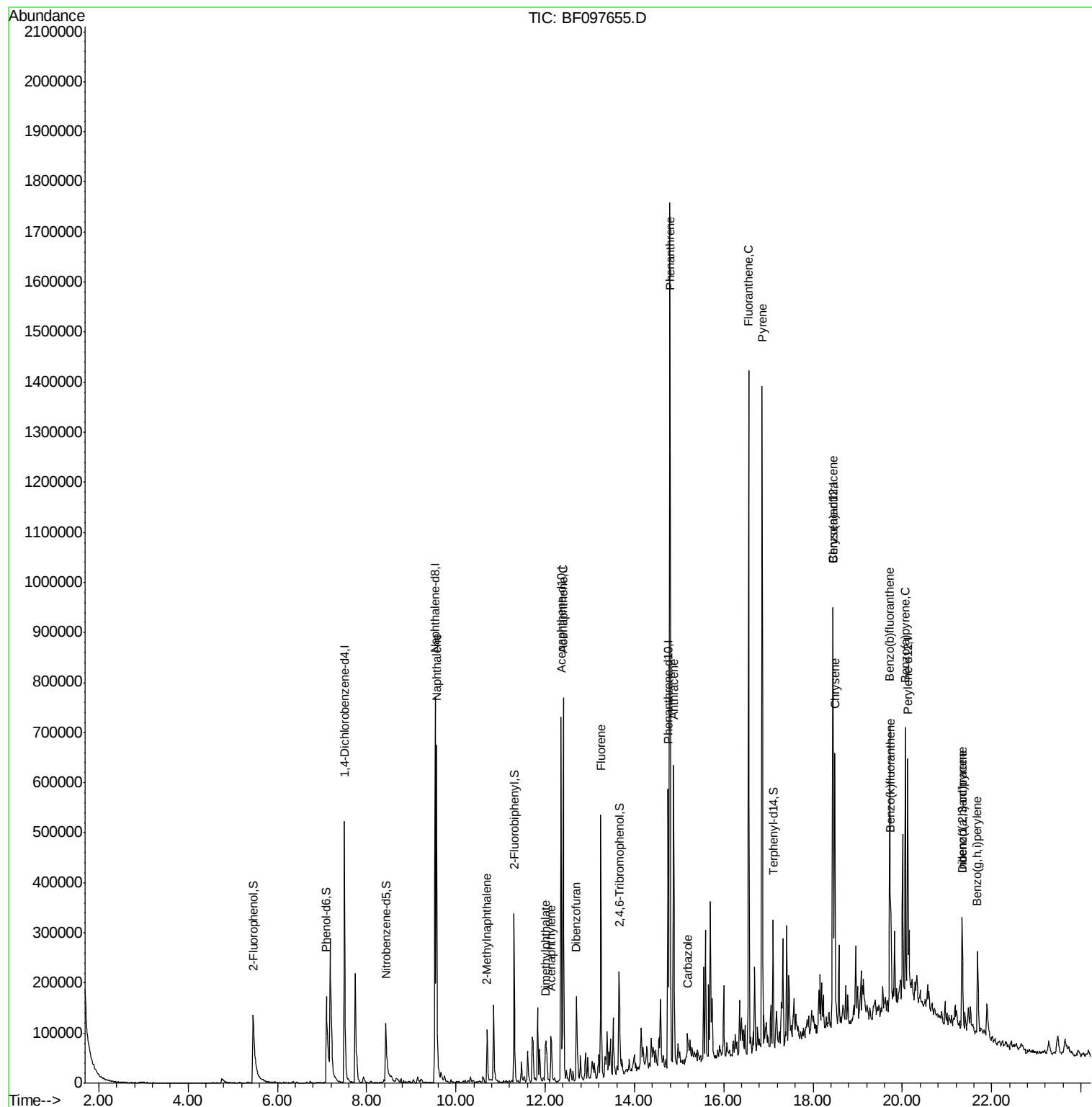
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081217\
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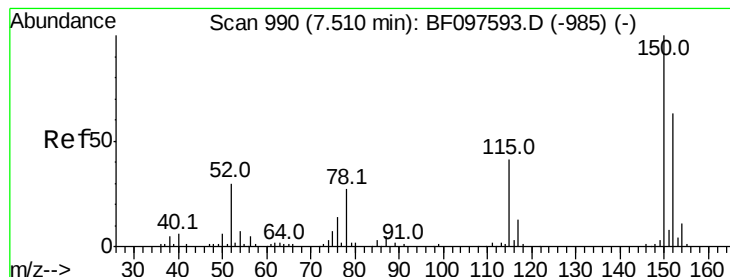
Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-6BDL

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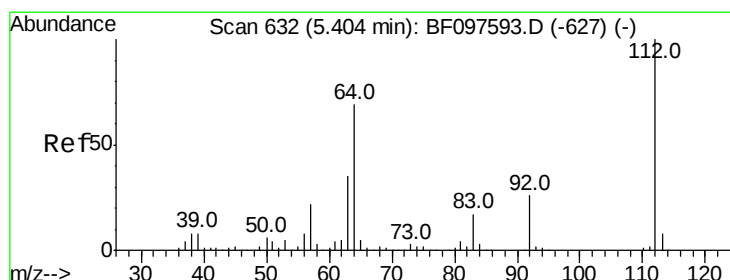
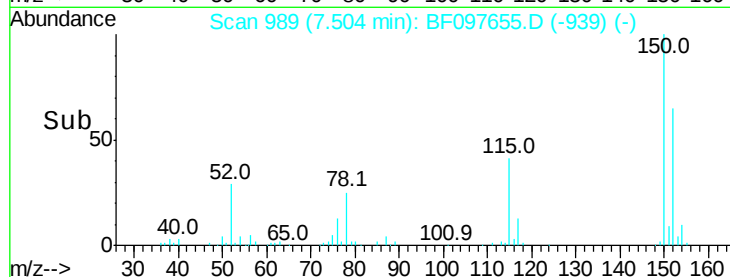
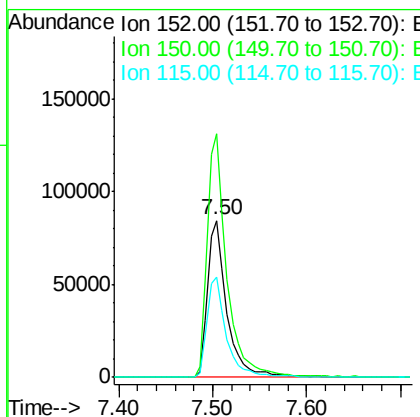
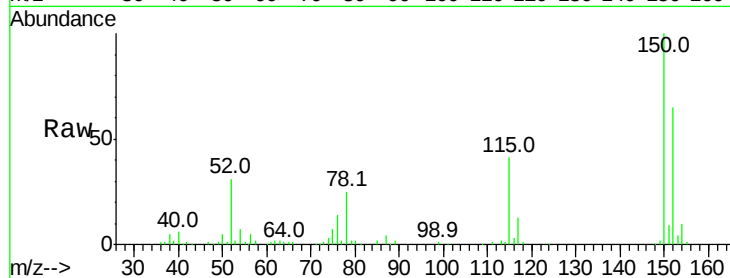
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.50 min Scan# 989
 Delta R.T. -0.01 min
 Lab File: BF097655.D
 Acq: 13 Aug 2017 4:36

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-6BDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	126.2	189.2
115	63.7	52.2	78.2

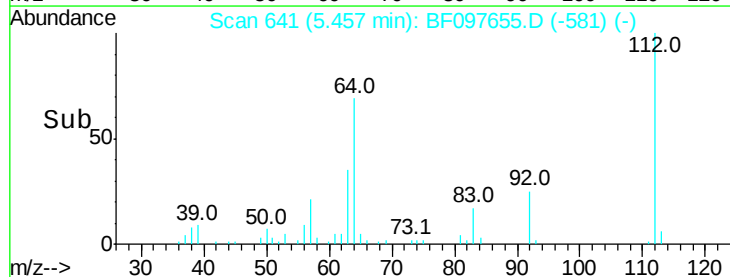
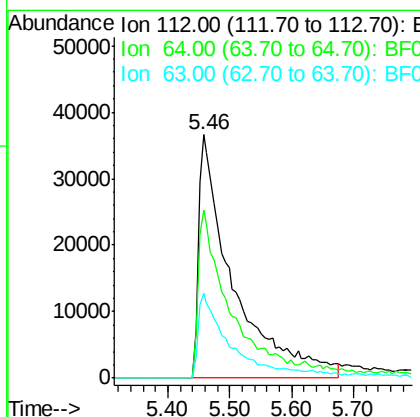
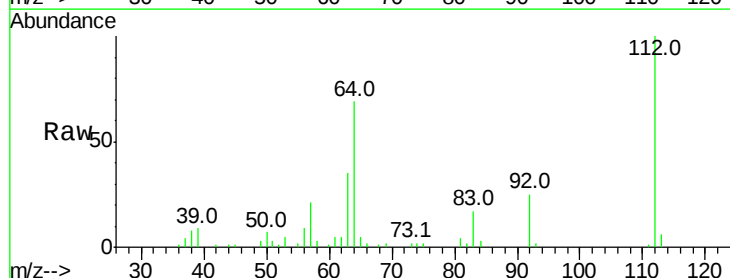
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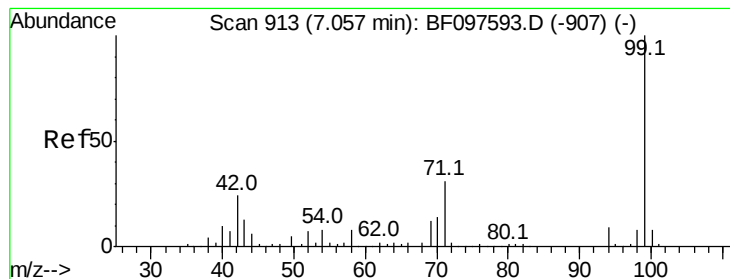
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#5
 2-Fluorophenol
 Concen: 18.339 ng
 RT: 5.46 min Scan# 641
 Delta R.T. 0.05 min
 Lab File: BF097655.D
 Acq: 13 Aug 2017 4:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.8	46.0	69.0
63	34.9	23.4	35.0





#7

Phenol-d6

Concen: 20.143 ng

RT: 7.10 min Scan# 920

Delta R.T. 0.04 min

Lab File: BF097655.D

Acq: 13 Aug 2017 4:36

Instrument :

BNA_F

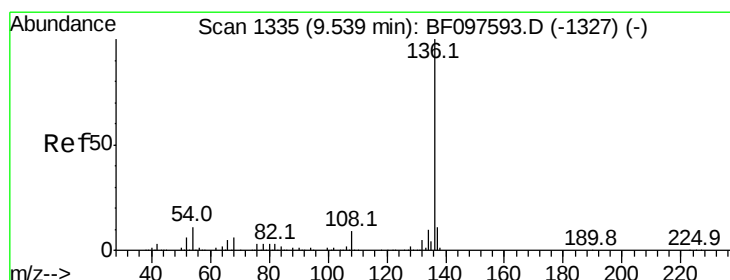
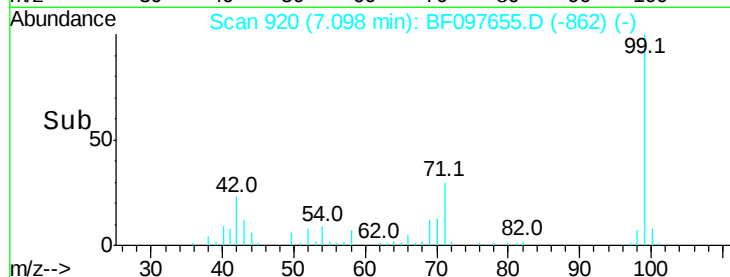
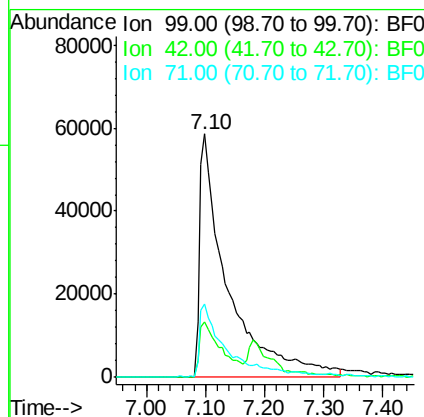
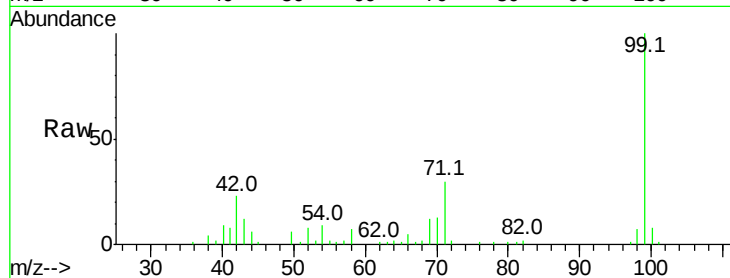
ClientSampleId :

NYSEG-PH4-ESMI-6BDL

Tot Ion:	99	Resp:	192748
Ion Ratio	Lower	Upper	
99	100		
42	23.0	13.5	20.3#
71	30.1	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

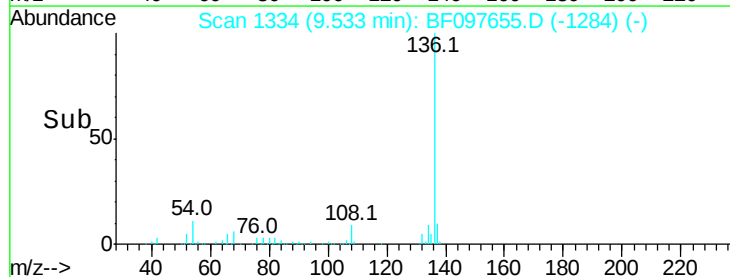
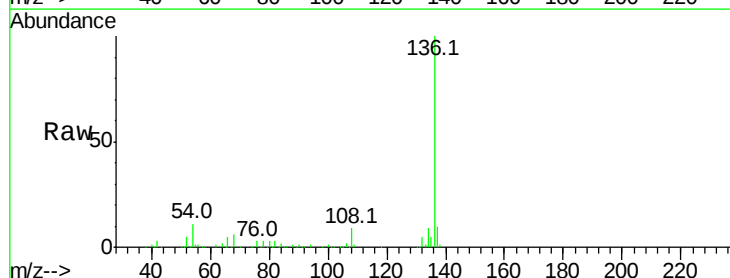
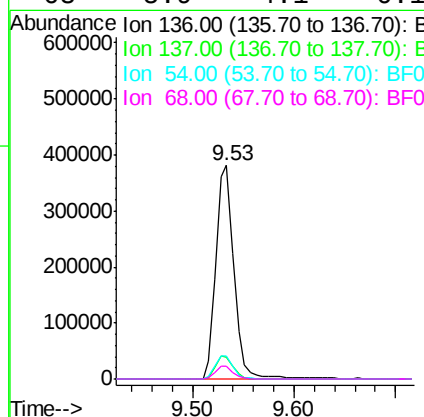
RT: 9.53 min Scan# 1334

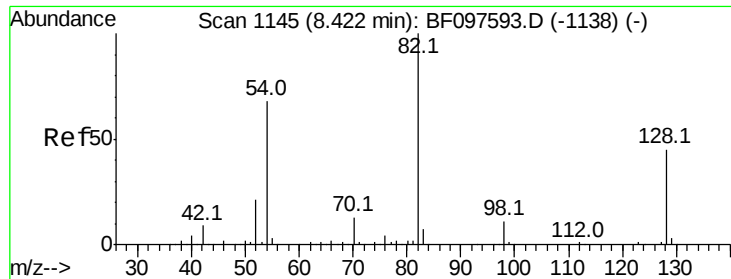
Delta R.T. -0.01 min

Lab File: BF097655.D

Acq: 13 Aug 2017 4:36

Tgt Ion:	136	Resp:	473311
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.5	12.7
54	10.5	4.9	7.3#
68	5.9	4.1	6.1





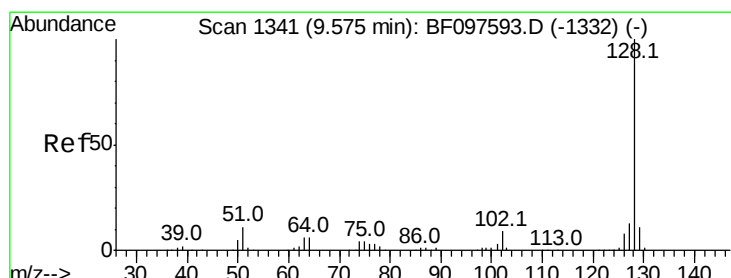
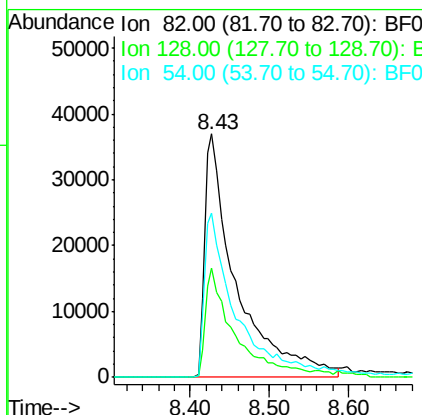
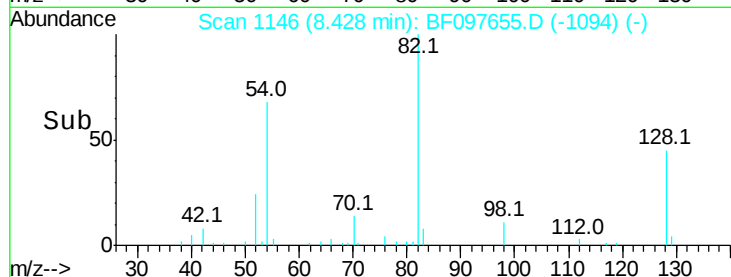
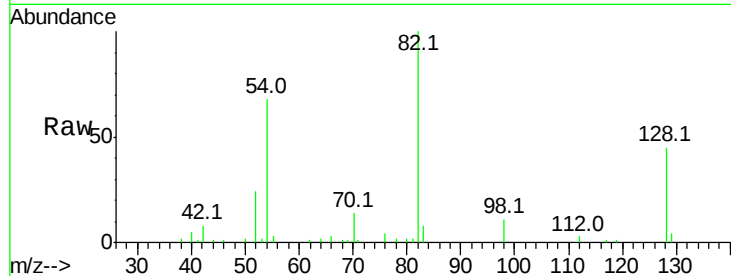
#23
 Nitrobenzene-d5
 Concen: 13.546 ng
 RT: 8.43 min Scan# 1146
 Delta R.T. 0.01 min
 Lab File: BF097655.D
 Acq: 13 Aug 2017 4:36

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-6BDL

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.8	34.0	51.0
54	67.7	42.2	63.2

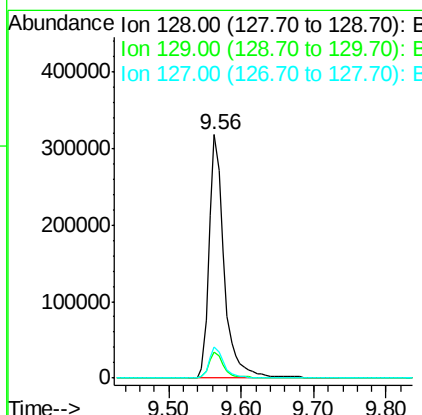
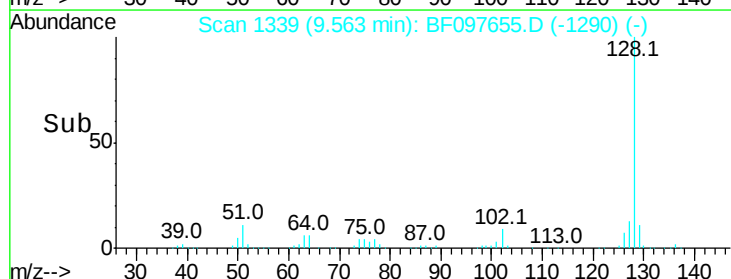
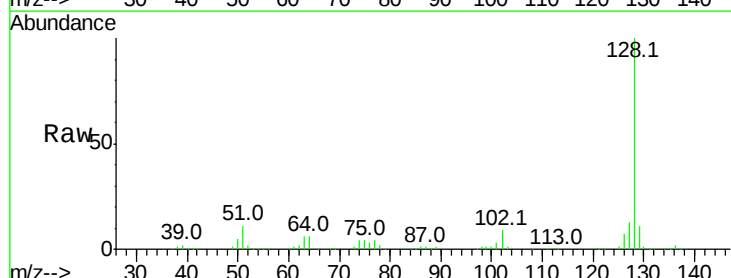
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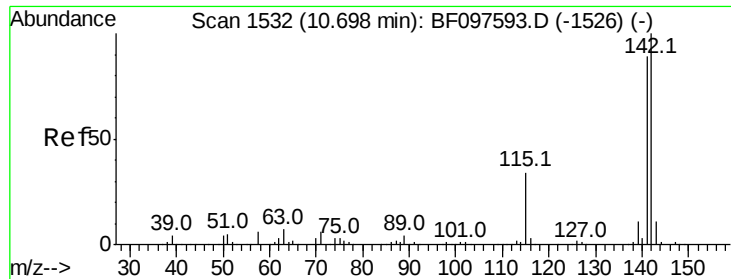
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#31
 Naphthalene
 Concen: 19.395 ng
 RT: 9.56 min Scan# 1339
 Delta R.T. -0.01 min
 Lab File: BF097655.D
 Acq: 13 Aug 2017 4:36

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.6	9.0	13.6
127	12.8	10.8	16.2





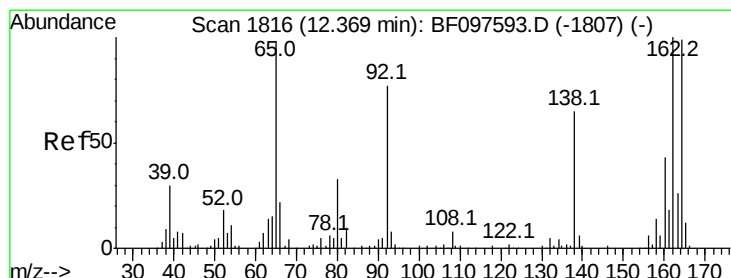
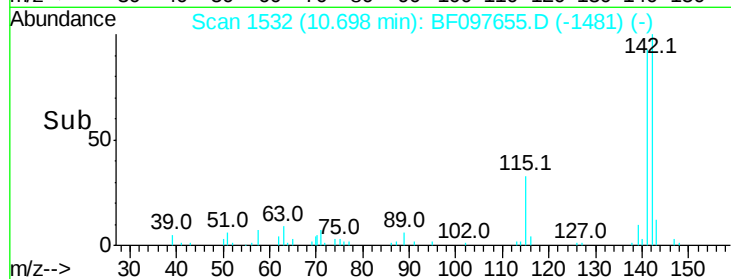
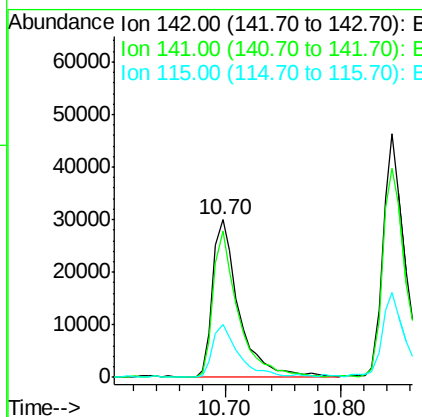
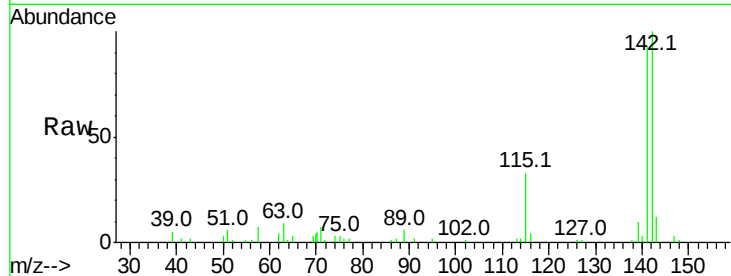
#37
2-Methylnaphthalene
Concen: 3.185 ng
RT: 10.70 min Scan# 1532
Delta R.T. -0.00 min
Lab File: BF097655.D
Acq: 13 Aug 2017 4:36

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-6BDL

Tot Ion	Ratio	Lower	Upper
142	100		
141	93.0	71.3	106.9
115	33.4	27.1	40.7

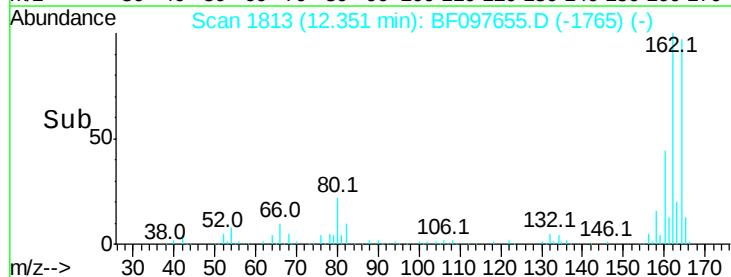
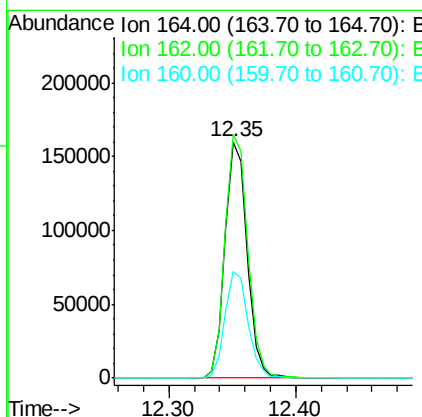
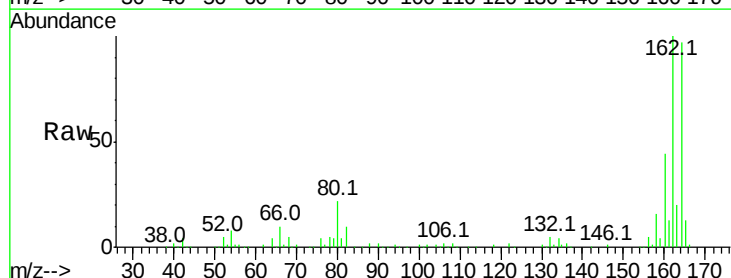
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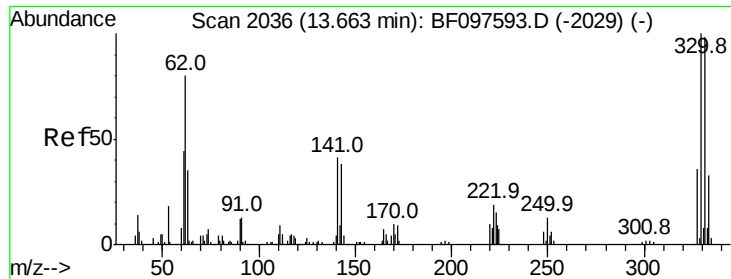
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 12.35 min Scan# 1813
Delta R.T. -0.02 min
Lab File: BF097655.D
Acq: 13 Aug 2017 4:36

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.2	82.6	123.8
160	45.2	36.2	54.2





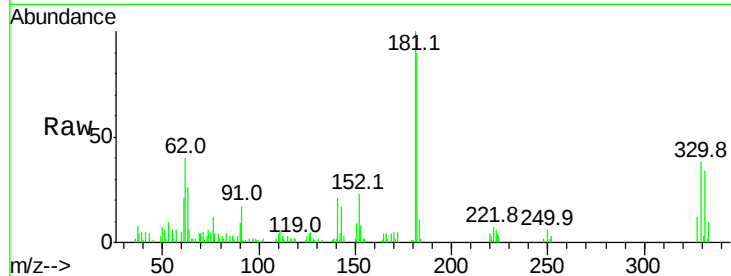
#41
 2,4,6-Tribromophenol
 Concen: 12.229 ng
 RT: 13.66 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: BF097655.D
 Acq: 13 Aug 2017 4:36

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-6BDL

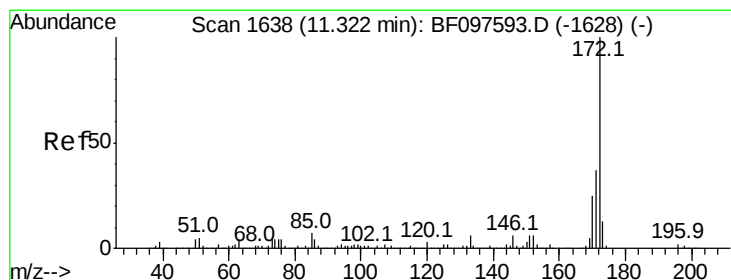
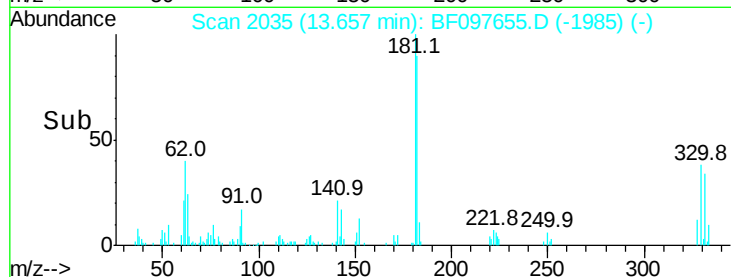
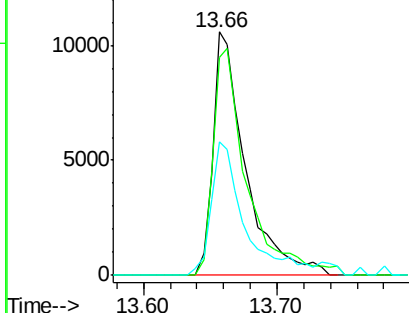
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.8	76.6	115.0	
141	56.2	31.4	47.2	

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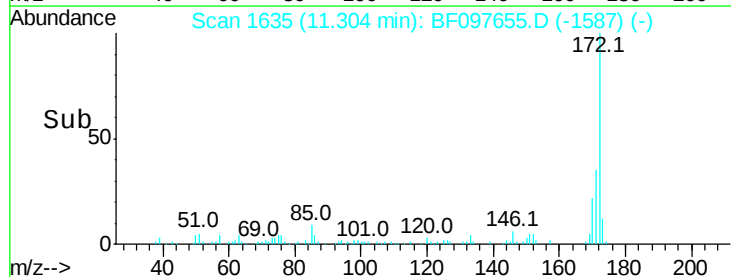
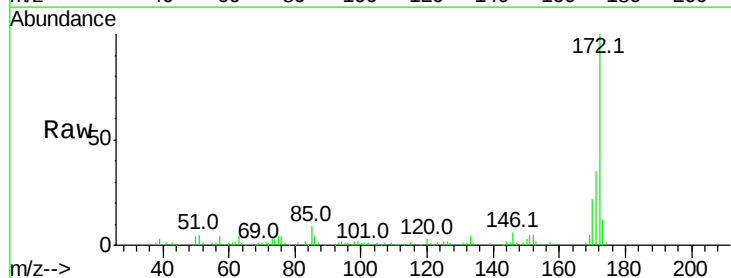
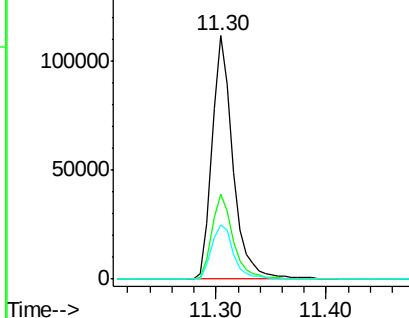
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

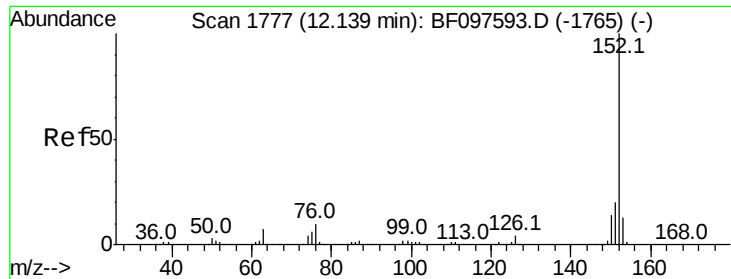


#44
 2-Fluorobiphenyl
 Concen: 11.285 ng
 RT: 11.30 min Scan# 1635
 Delta R.T. -0.02 min
 Lab File: BF097655.D
 Acq: 13 Aug 2017 4:36

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.6	29.6	44.4	
170	22.3	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





#48

Acenaphthylene

Concen: 2.426 ng

RT: 12.13 min Scan# 1775

Delta R.T. -0.01 min

Lab File: BF097655.D

Acq: 13 Aug 2017 4:36

Instrument :

BNA_F

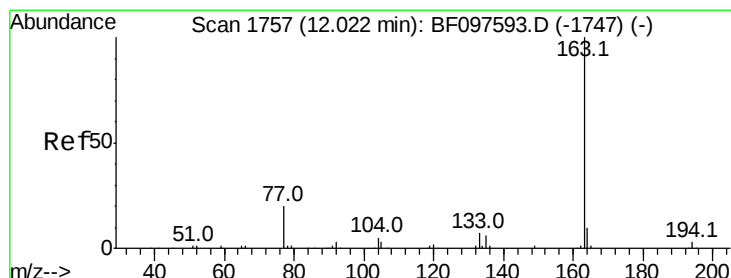
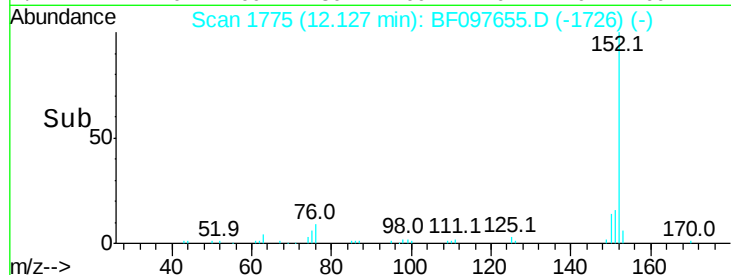
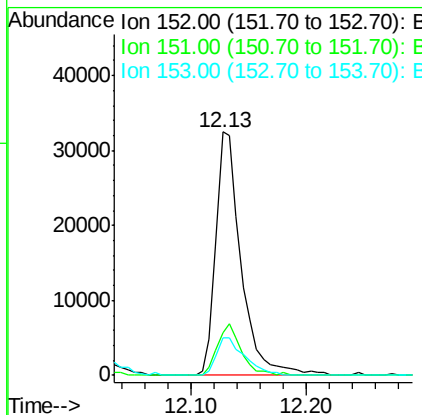
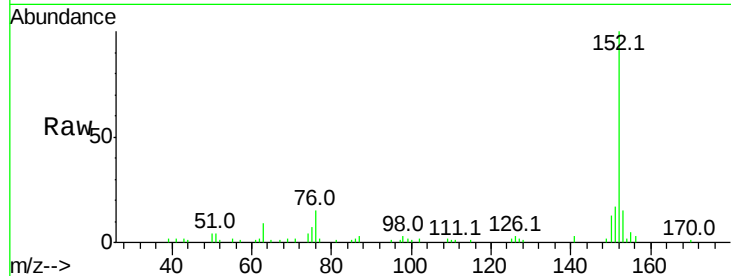
ClientSampleId :

NYSEG-PH4-ESMI-6BDL

Tot Ion:	152	Resp:	49449
Ion Ratio	Lower	Upper	
152	100		
151	17.4	16.8	25.2
153	15.4	10.8	16.2

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#49

Dimethylphthalate

Concen: 2.076 ng

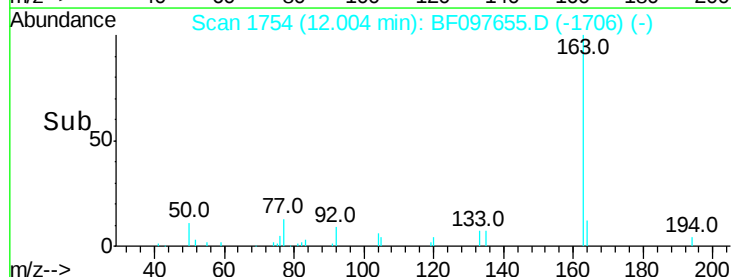
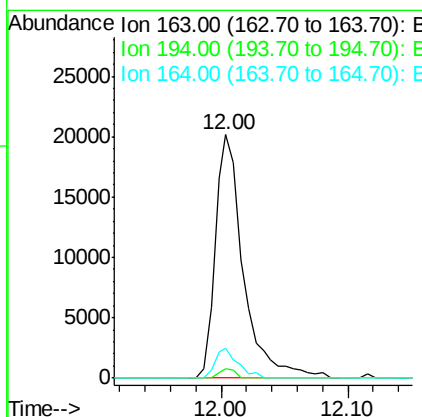
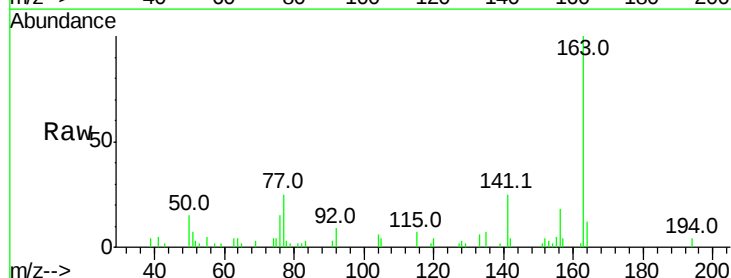
RT: 12.00 min Scan# 1754

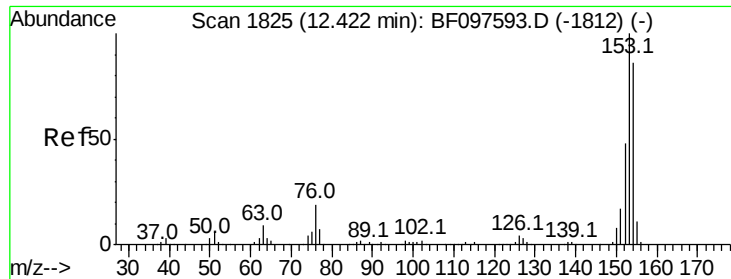
Delta R.T. -0.02 min

Lab File: BF097655.D

Acq: 13 Aug 2017 4:36

Tgt Ion:	163	Resp:	31146
Ion Ratio	Lower	Upper	
163	100		
194	3.7	2.6	4.0
164	12.2	8.4	12.6





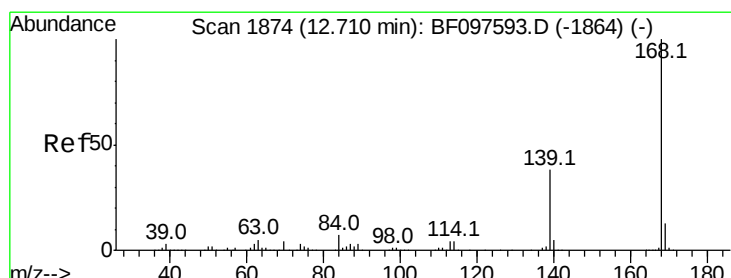
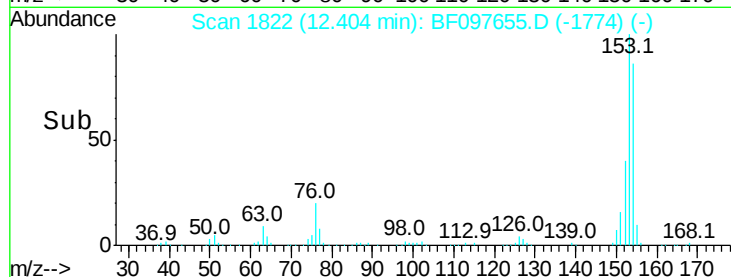
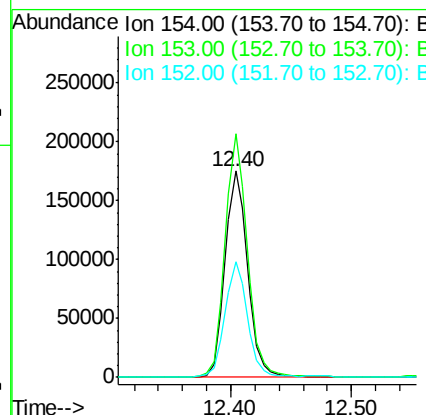
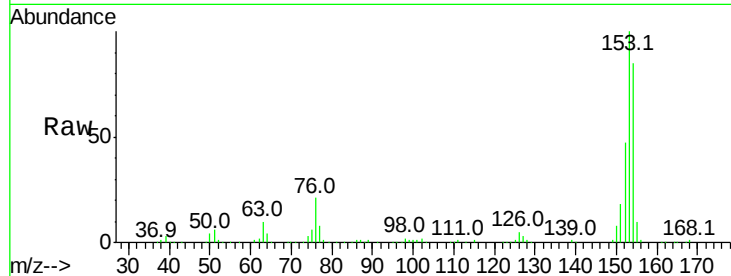
#51
Acenaphthene
Concen: 18.583 ng
RT: 12.40 min Scan# 1822
Delta R.T. -0.02 min
Lab File: BF097655.D
Acq: 13 Aug 2017 4:36

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-6BDL

Tot Ion	Ratio	Lower	Upper
154	100		
153	118.0	90.5	135.7
152	55.9	43.6	65.4

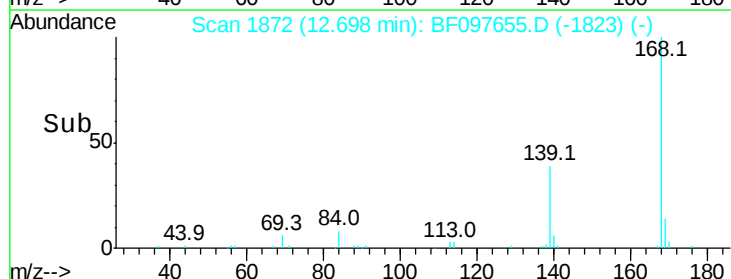
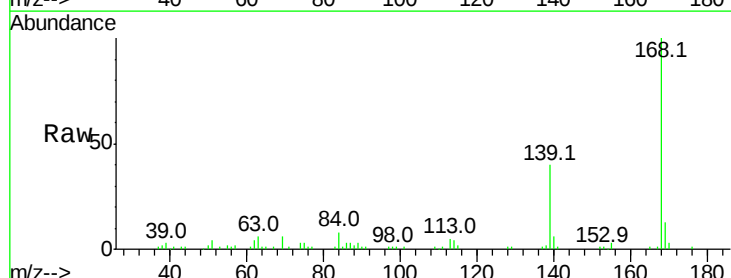
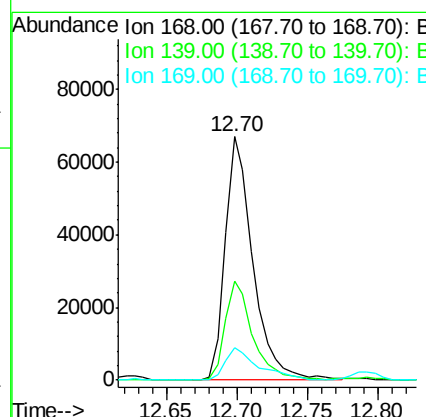
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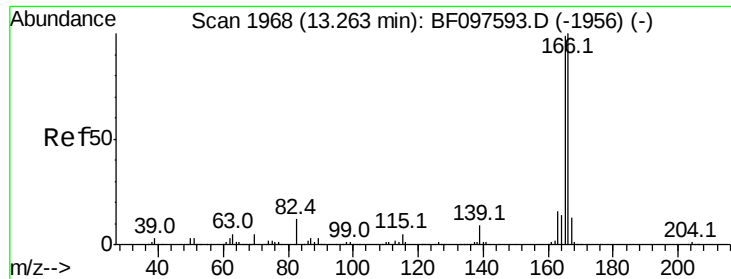
sohil
8/14/2017 7:07:00 PM



#54
Dibenzofuran
Concen: 5.365 ng
RT: 12.70 min Scan# 1872
Delta R.T. -0.01 min
Lab File: BF097655.D
Acq: 13 Aug 2017 4:36

Tgt Ion	Ratio	Lower	Upper
168	100		
139	40.5	30.6	45.8
169	13.4	10.8	16.2





#57

Fluorene

Concen: 13.136 ng

RT: 13.24 min Scan# 1965

Delta R.T. -0.02 min

Lab File: BF097655.D

Acq: 13 Aug 2017 4:36

Instrument :

BNA_F

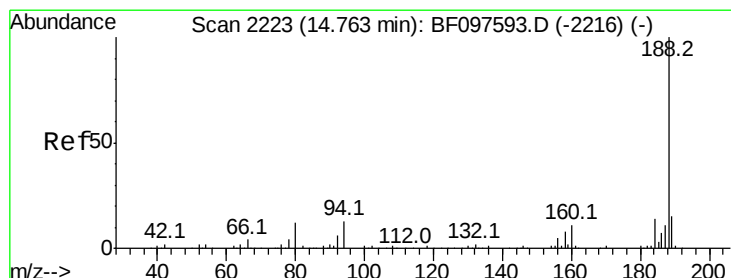
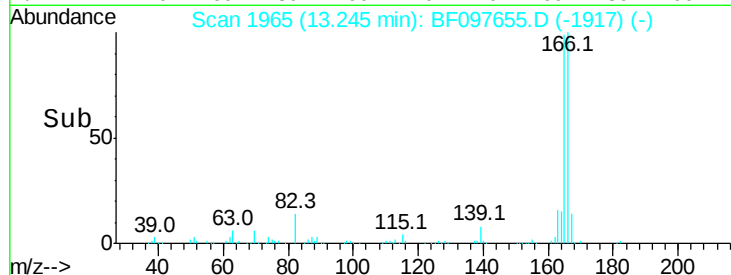
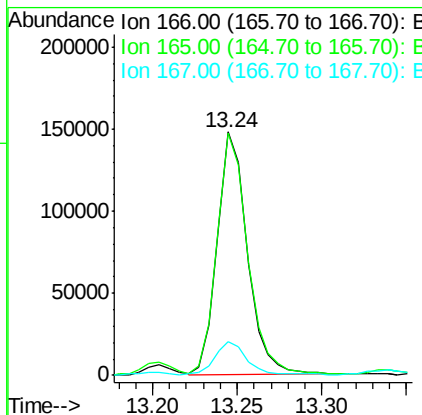
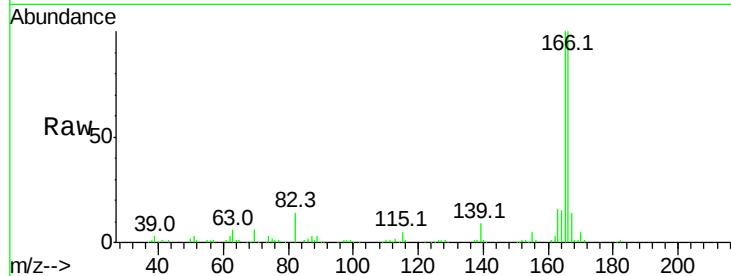
ClientSampleId :

NYSEG-PH4-ESMI-6BDL

Tot Ion:	166	Resp:	184769
Ion Ratio	Lower	Upper	
166	100		
165	99.5	78.8	118.2
167	13.9	10.6	16.0

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#63

Phenanthrene-d10

Concen: 20.000 ng

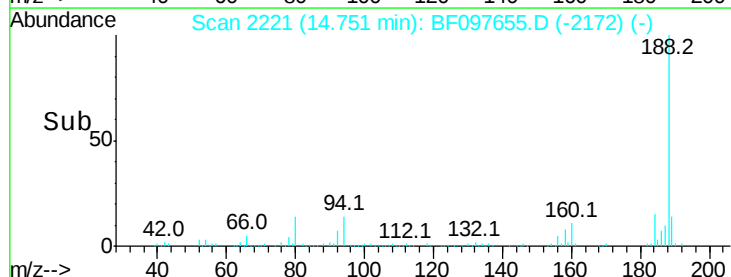
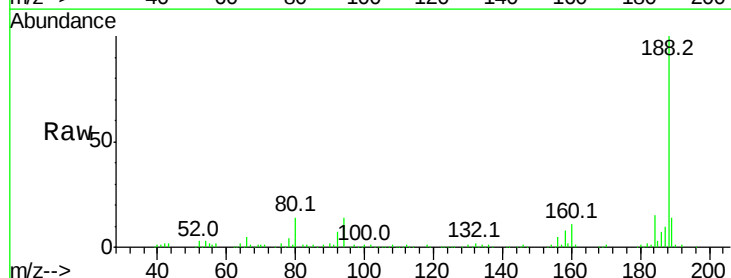
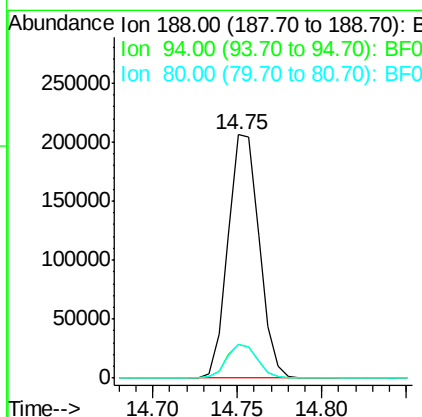
RT: 14.75 min Scan# 2221

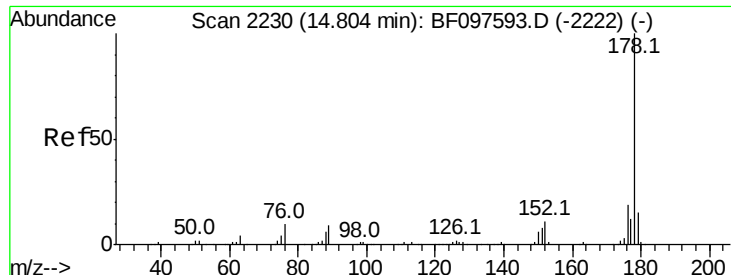
Delta R.T. -0.01 min

Lab File: BF097655.D

Acq: 13 Aug 2017 4:36

Tgt Ion:	188	Resp:	264170
Ion Ratio	Lower	Upper	
188	100		
94	13.7	9.4	14.2
80	14.0	10.2	15.2





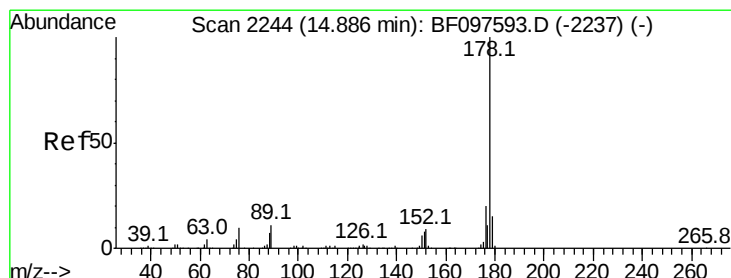
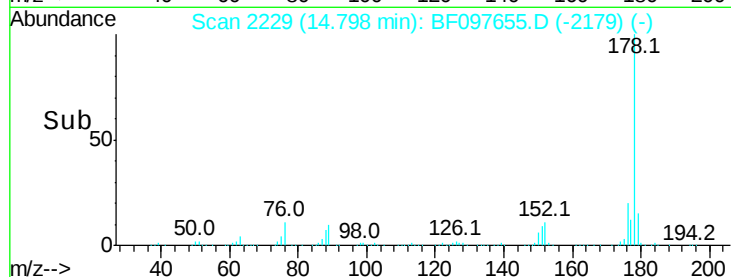
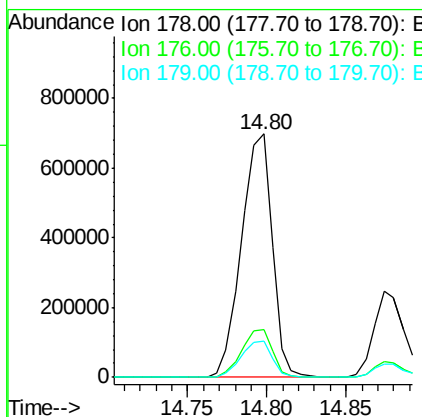
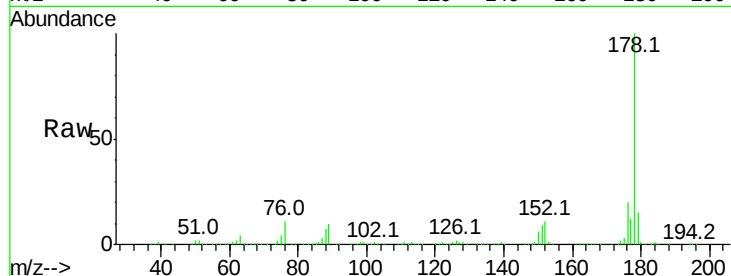
#70
Phenanthrene
Concen: 62.016 ng
RT: 14.80 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BF097655.D
Acq: 13 Aug 2017 4:36

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-6BDL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.2	24.4
179	15.1	12.6	19.0

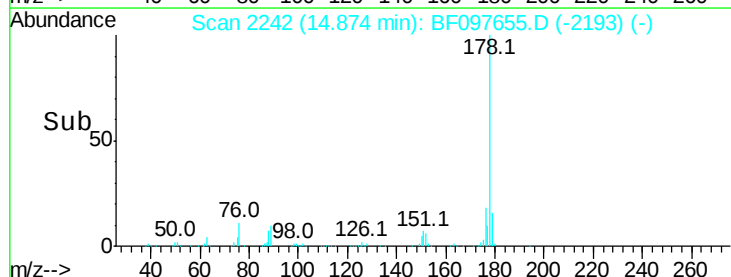
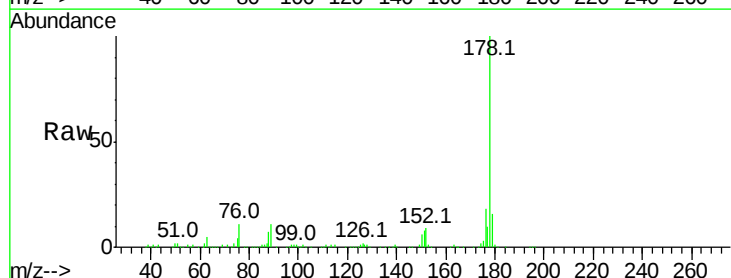
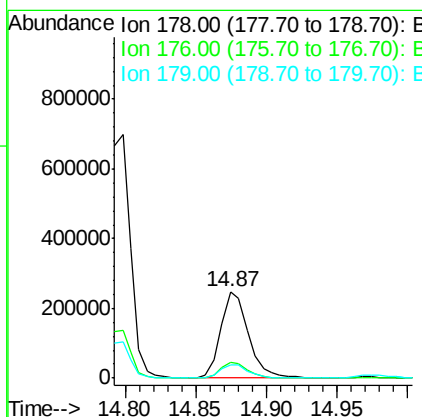
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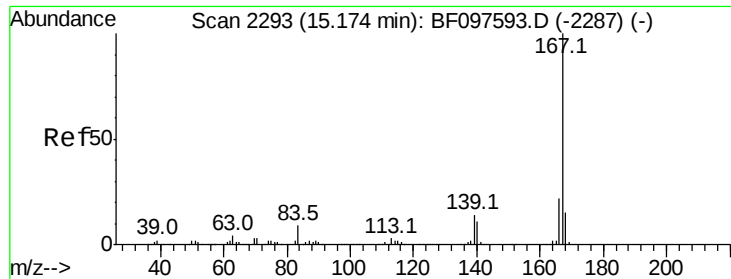
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#71
Anthracene
Concen: 21.460 ng
RT: 14.87 min Scan# 2242
Delta R.T. -0.01 min
Lab File: BF097655.D
Acq: 13 Aug 2017 4:36

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.8	23.8
179	15.9	12.7	19.1





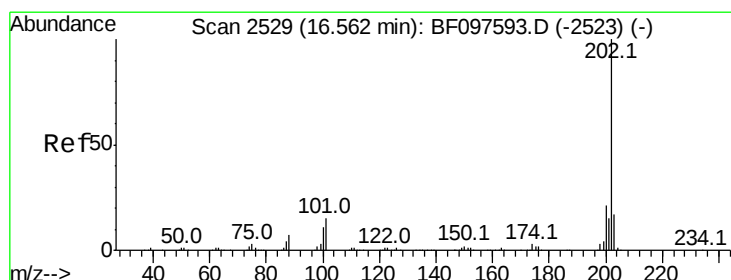
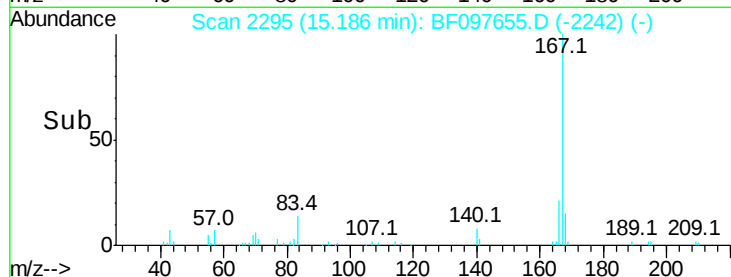
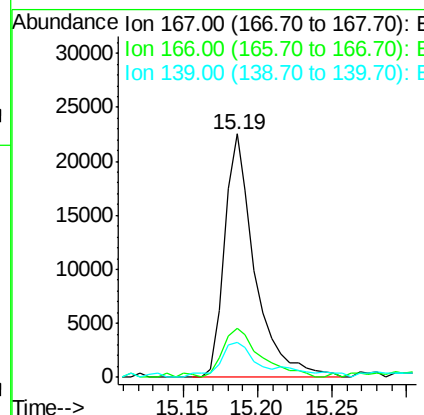
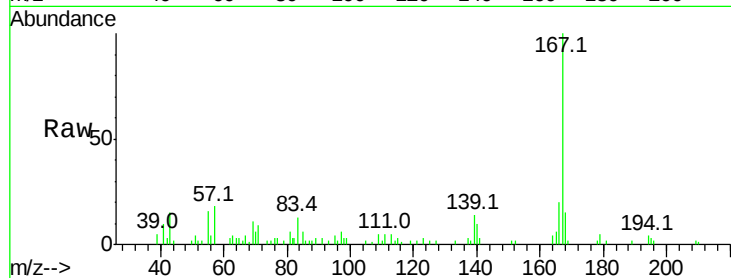
#72
 Carbazole
 Concen: 2.164 ng
 RT: 15.19 min Scan# 2295
 Delta R.T. 0.01 min
 Lab File: BF097655.D
 Acq: 13 Aug 2017 4:36

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-6BDL

Tot Ion	Ratio	Resp	Lower	Upper
167	100			
166	20.3	18.1	27.1	
139	14.1	11.7	17.5	

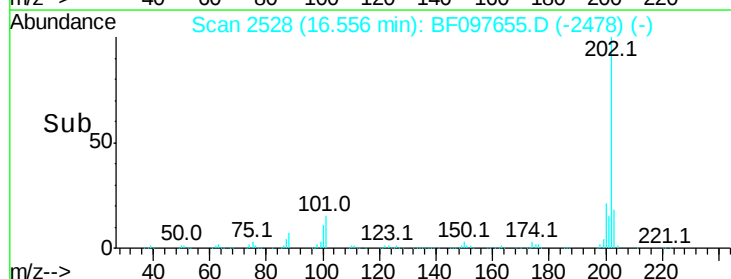
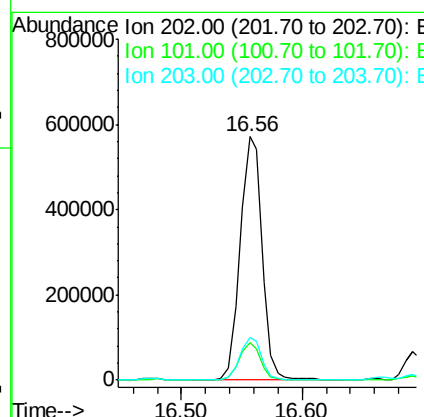
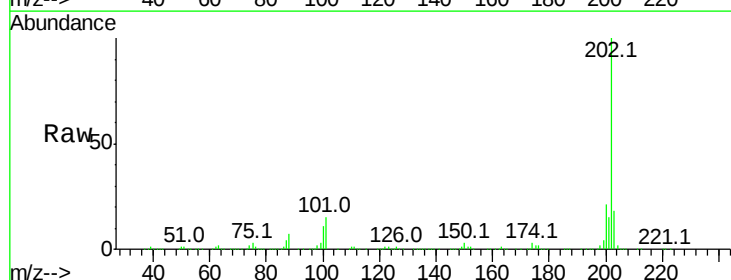
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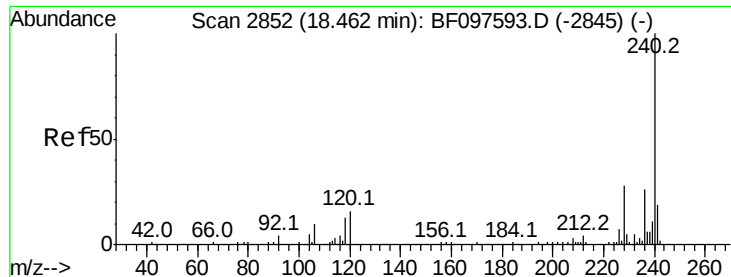
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#74
 Fluoranthene
 Concen: 52.854 ng
 RT: 16.56 min Scan# 2528
 Delta R.T. -0.01 min
 Lab File: BF097655.D
 Acq: 13 Aug 2017 4:36

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
101	15.3	0.0	33.2	
203	17.6	0.0	38.1	





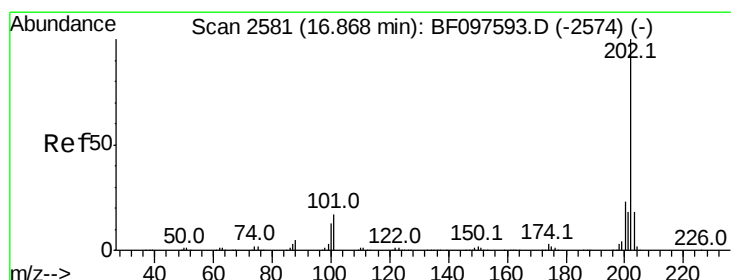
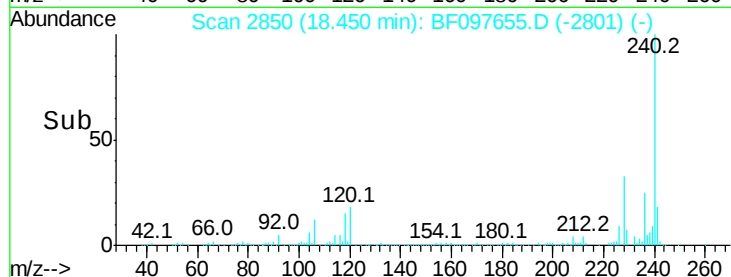
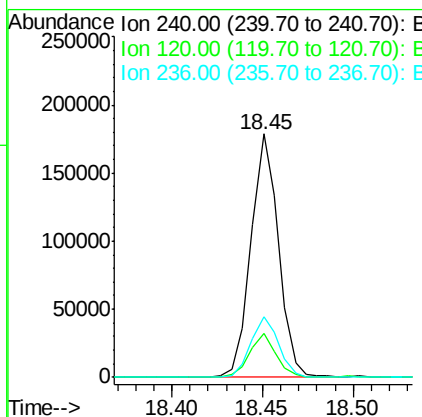
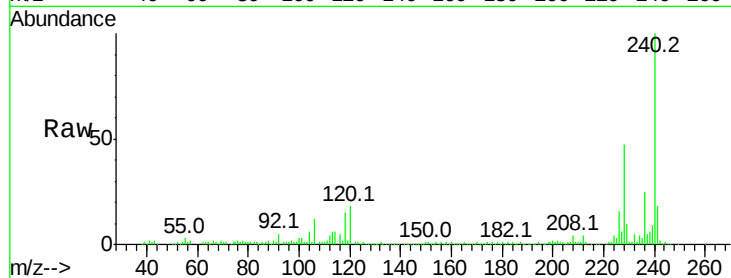
#75
Chrysene-d12
Concen: 20.000 ng
RT: 18.45 min Scan# 2850
Delta R.T. -0.01 min
Lab File: BF097655.D
Acq: 13 Aug 2017 4:36

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-6BDL

Tot Ion	Ratio	Lower	Upper
240	100		
120	18.0	5.8	8.8#
236	24.9	20.5	30.7

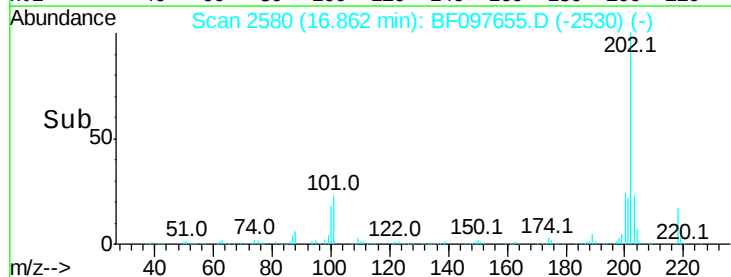
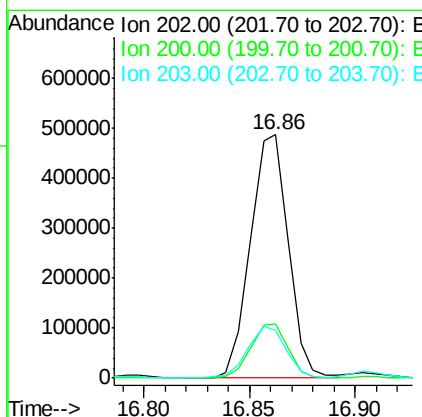
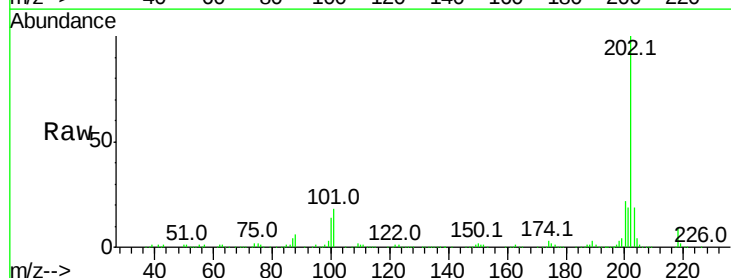
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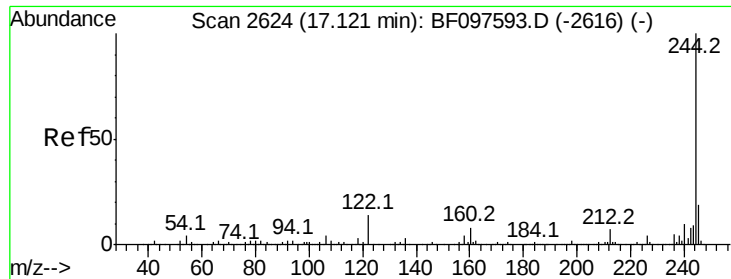
sohil
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#77
Pyrene
Concen: 38.865 ng
RT: 16.86 min Scan# 2580
Delta R.T. -0.01 min
Lab File: BF097655.D
Acq: 13 Aug 2017 4:36

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.4	17.6	26.4
203	19.4	14.4	21.6





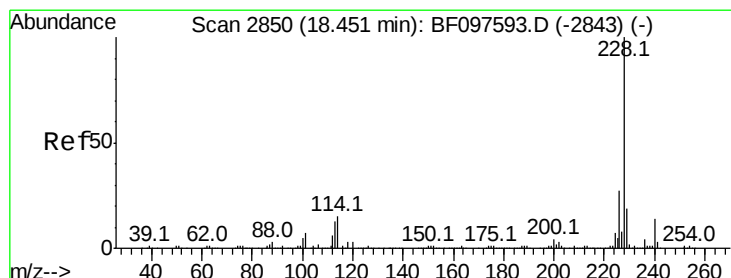
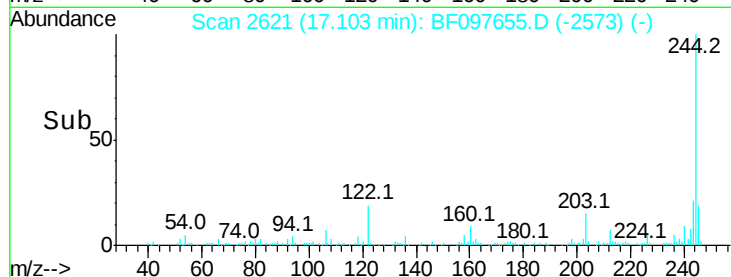
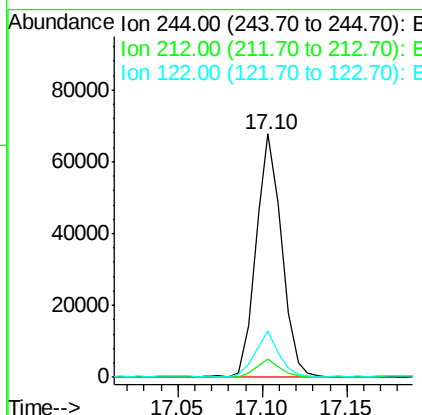
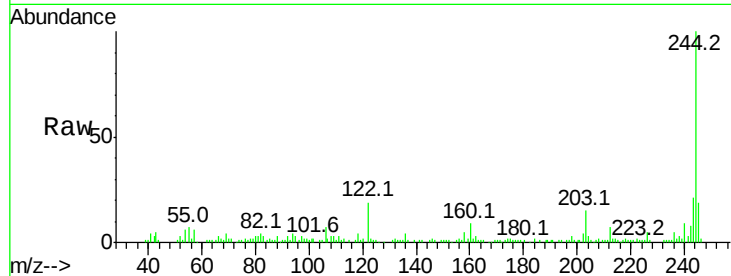
#78
 Terphenyl-d14
 Concen: 7.862 ng
 RT: 17.10 min Scan# 2621
 Delta R.T. -0.02 min
 Lab File: BF097655.D
 Acq: 13 Aug 2017 4:36

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-PH4-ESMI-6BDL

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.0	9.0
122	19.3	10.3	15.5

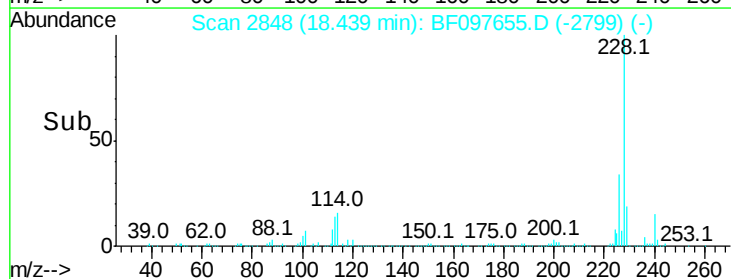
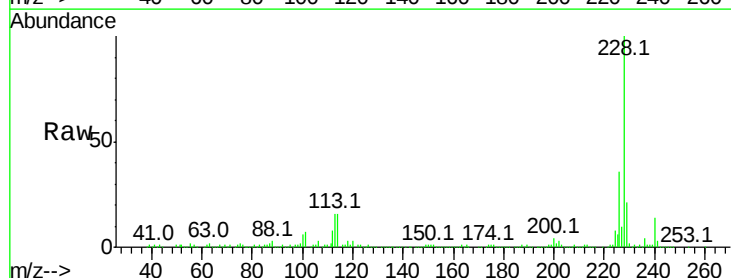
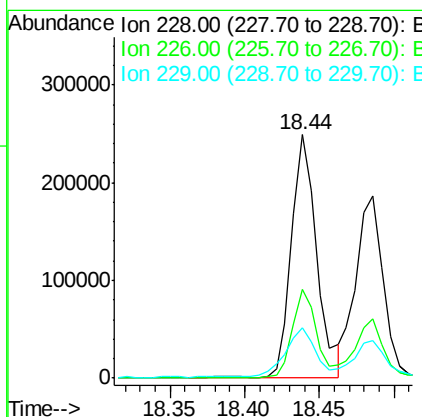
Manual Integrations
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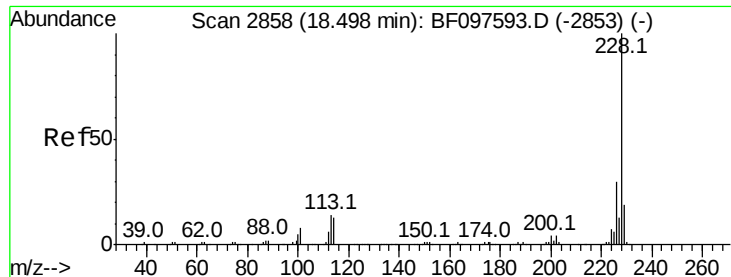
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#80
 Benzo(a)anthracene
 Concen: 26.585 ng m
 RT: 18.44 min Scan# 2848
 Delta R.T. -0.01 min
 Lab File: BF097655.D
 Acq: 13 Aug 2017 4:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	36.2	22.6	33.8
229	20.5	16.3	24.5





#82

Chrysene

Concen: 21.614 ng

RT: 18.49 min Scan# 2856

Delta R.T. -0.01 min

Lab File: BF097655.D

Acq: 13 Aug 2017 4:36

Instrument :

BNA_F

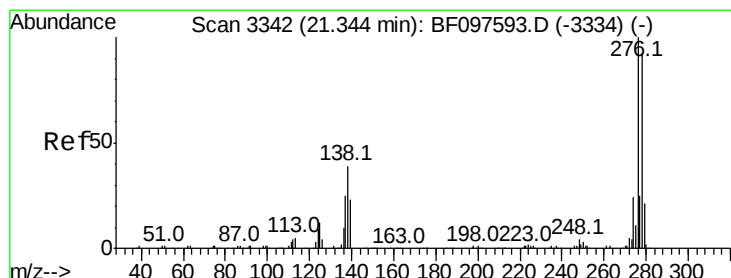
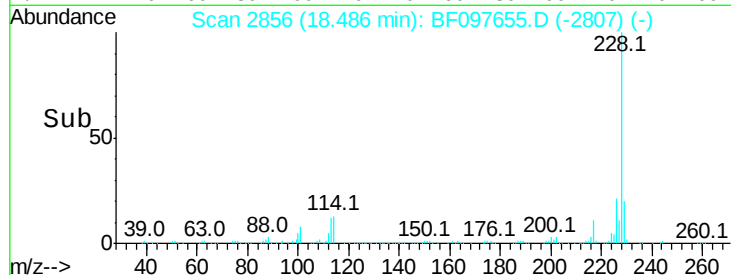
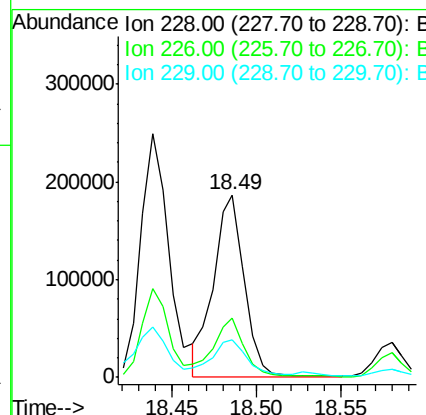
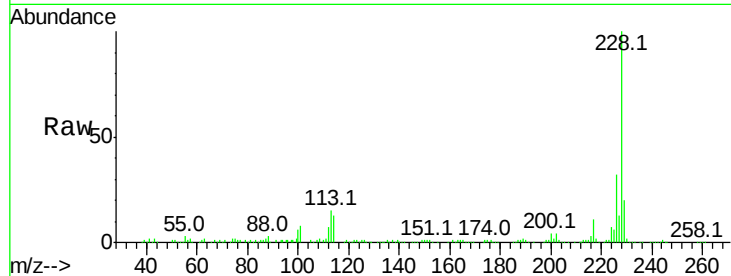
ClientSampleId :

NYSEG-PH4-ESMI-6BDL

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.2	24.9	37.3
229	20.3	15.8	23.6

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 13.971 ng

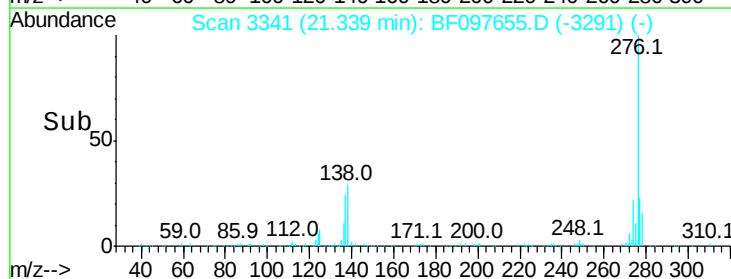
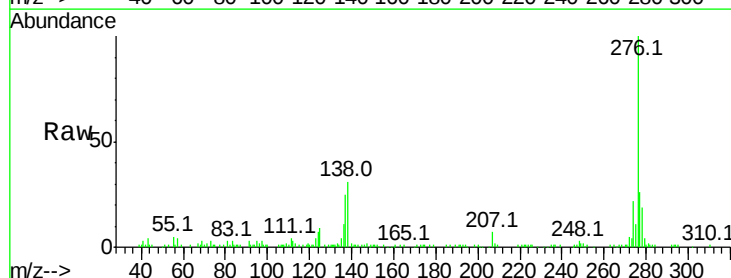
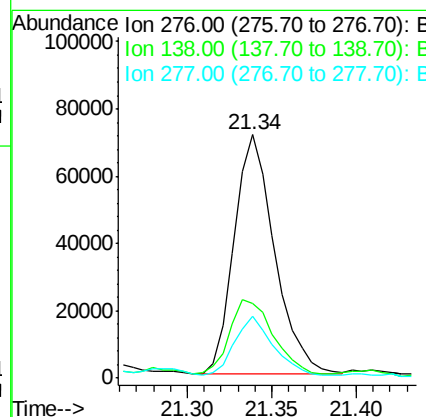
RT: 21.34 min Scan# 3341

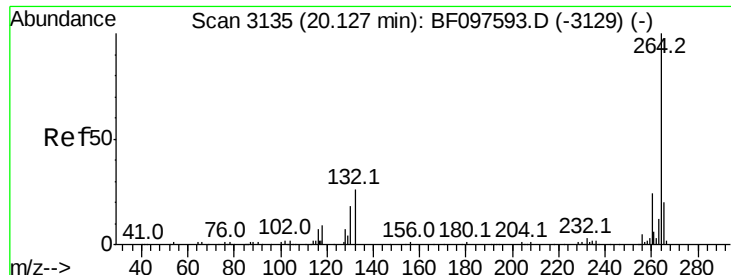
Delta R.T. -0.01 min

Lab File: BF097655.D

Acq: 13 Aug 2017 4:36

Tgt Ion	Ratio	Lower	Upper
276	100		
138	34.5	27.8	41.6
277	24.5	20.2	30.4





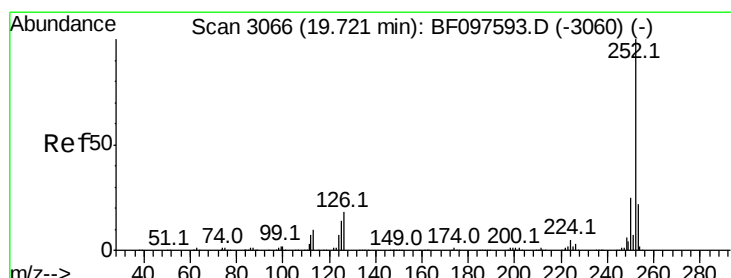
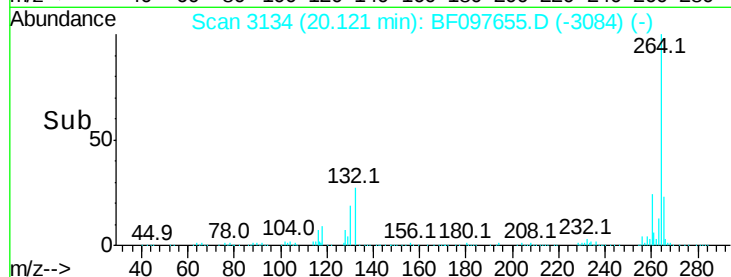
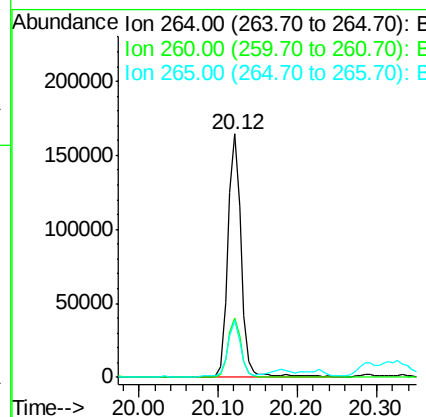
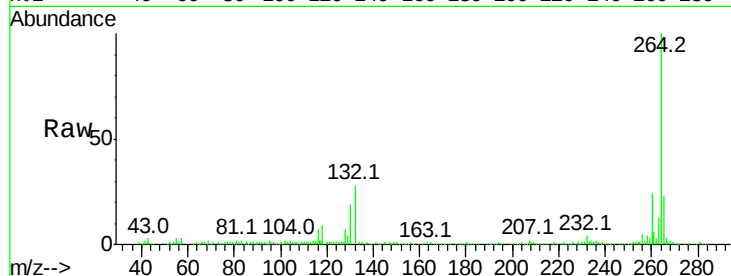
#86
Pervlene-d12
Concen: 20.000 ng
RT: 20.12 min Scan# 3134
Delta R.T. -0.01 min
Lab File: BF097655.D
Acq: 13 Aug 2017 4:36

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-6BDL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	23.4	17.2	25.8

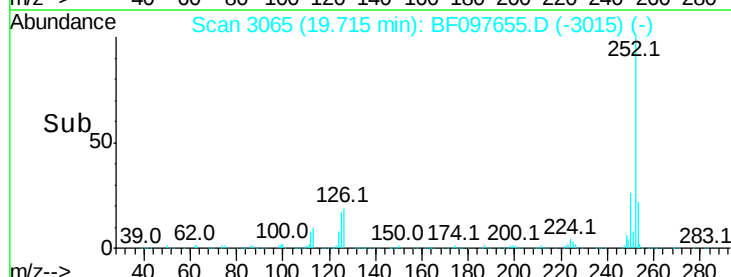
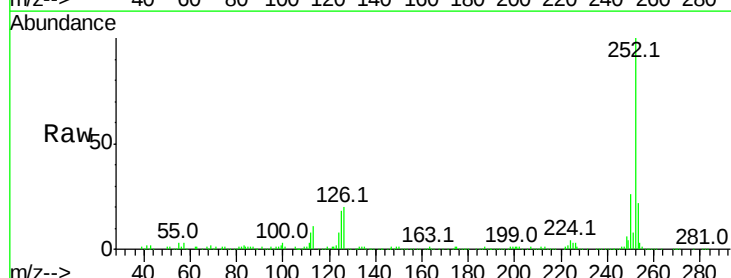
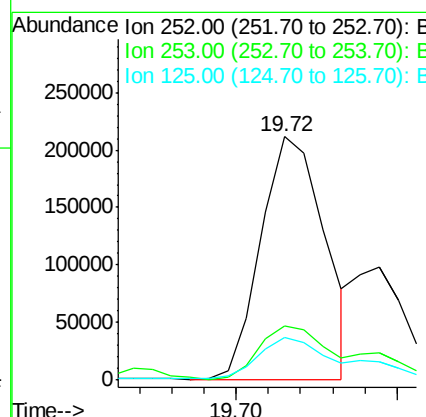
Manual Integrations
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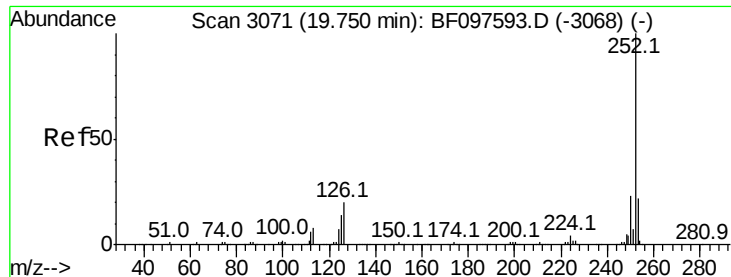
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#87
Benzo(b)fluoranthene
Concen: 25.357 ng m
RT: 19.72 min Scan# 3065
Delta R.T. -0.01 min
Lab File: BF097655.D
Acq: 13 Aug 2017 4:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.1	27.1
125	17.7	9.8	14.8#





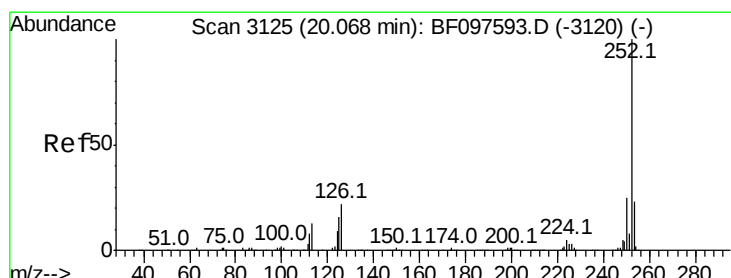
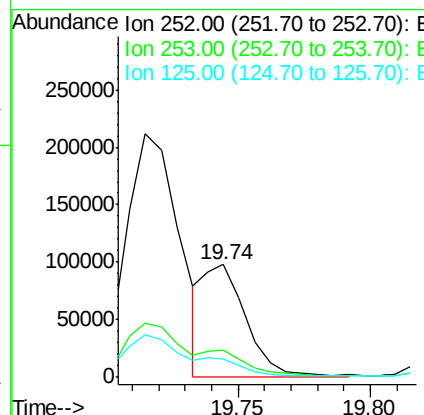
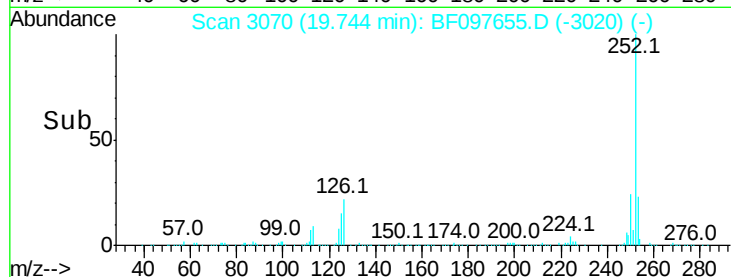
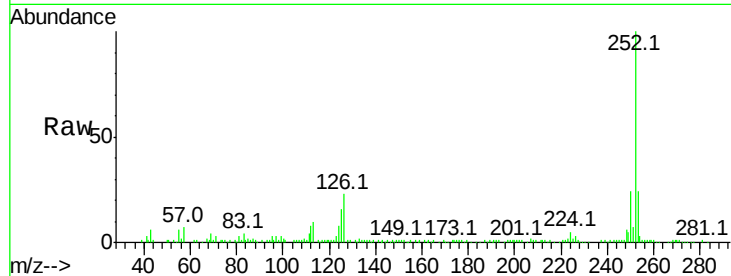
#88
Benzo(k)fluoranthene
Concen: 9.646 ng m
RT: 19.74 min Scan# 3070
Delta R.T. -0.01 min
Lab File: BF097655.D
Acq: 13 Aug 2017 4:36

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-6BDL

Tot Ion:	252	Resp:	111880
Ion Ratio	Lower	Upper	
252	100		
253	24.1	18.4	27.6
125	15.7	13.1	19.7

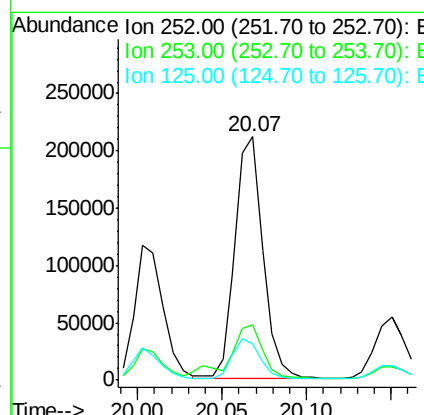
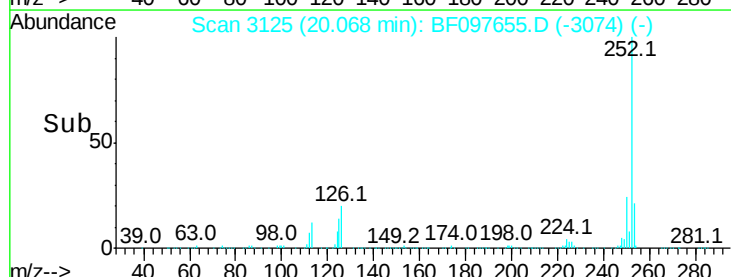
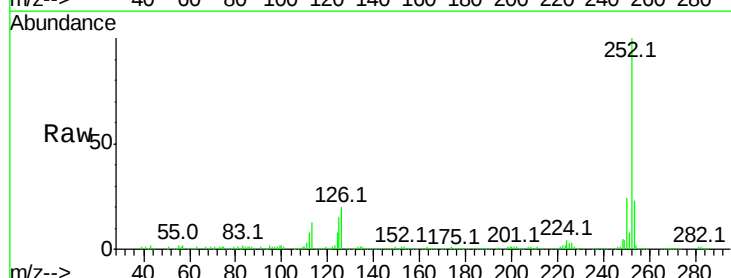
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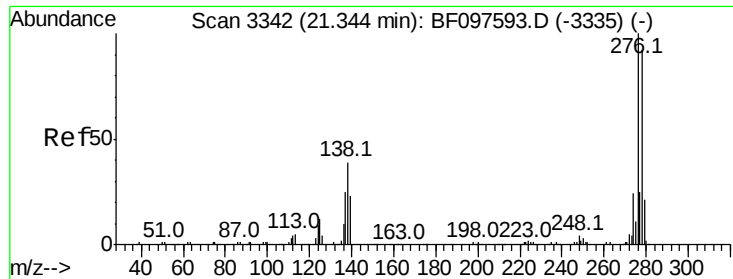
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#89
Benzo(a)pyrene
Concen: 23.267 ng
RT: 20.07 min Scan# 3125
Delta R.T. -0.00 min
Lab File: BF097655.D
Acq: 13 Aug 2017 4:36

Tgt Ion:	252	Resp:	245933
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.5	26.3
125	14.8	11.0	16.4





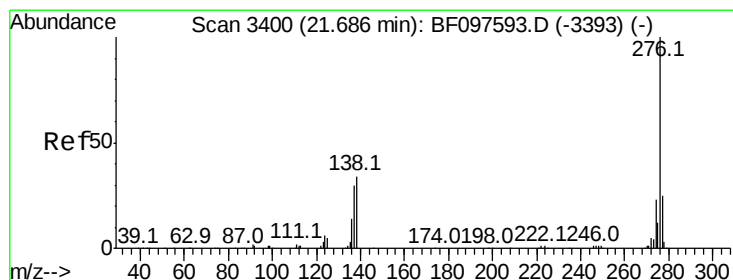
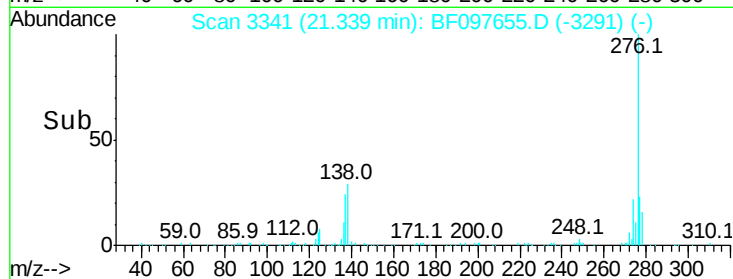
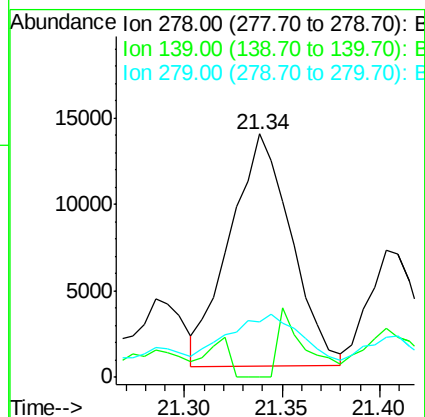
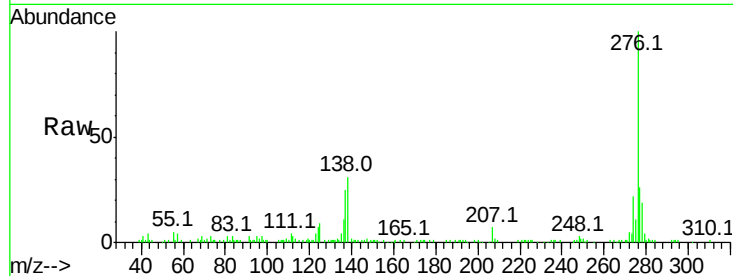
#90
Dibenzo(a,h)anthracene
Concen: 3.879 ng
RT: 21.34 min Scan# 3341
Delta R.T. -0.01 min
Lab File: BF097655.D
Acq: 13 Aug 2017 4:36

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-6BDL

Tot Ion	Ratio	Lower	Upper
278	100		
139	8.6	16.6	24.8#
279	22.8	19.3	28.9

Manual Integrations
APPROVED

sohil
8/14/2017 7:07:00 PM



#91
Benzo(g,h,i)perylene
Concen: 13.455 ng
RT: 21.69 min Scan# 3400
Delta R.T. 0.00 min
Lab File: BF097655.D
Acq: 13 Aug 2017 4:36

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.4	18.6	28.0
138	36.5	25.4	38.0

