

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081217\
 Data File : BF097661.D
 Acq On : 13 Aug 2017 7:52
 Operator : SJ/JU
 Sample : I4697-12DL 10X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

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

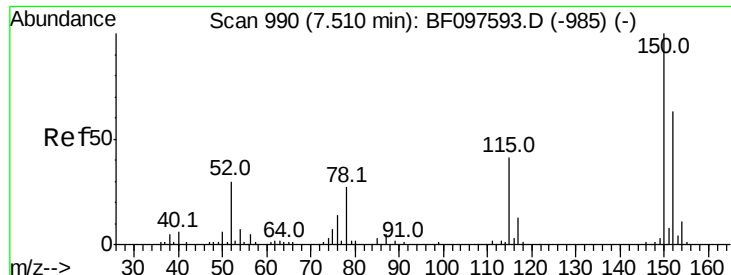
Manual Integrations
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Quant Time: Aug 14 07:50:52 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 11 15:55:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	125895	20.00	ng	-0.01
21) Naphthalene-d8	9.53	136	525759	20.00	ng	-0.01
38) Acenaphthene-d10	12.35	164	211117	20.00	ng	-0.02
63) Phenanthrene-d10	14.75	188	308525	20.00	ng	-0.01
75) Chrysene-d12	18.45	240	209327	20.00	ng	-0.01
86) Perylene-d12	20.11	264	192616	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	48585	6.13	ng	0.08
7) Phenol-d6	7.12	99	84763	8.63	ng	0.06
23) Nitrobenzene-d5	8.45	82	47345	5.65	ng	0.02
41) 2,4,6-Tribromophenol	13.66	330	8822	5.50	ng	0.00
44) 2-Fluorobiphenyl	11.30	172	79195	5.66	ng	-0.02
78) Terphenyl-d14	17.10	244	42001	4.15	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	9.56	128	232280	8.820	ng	98
37) 2-Methylnaphthalene	10.69	142	81624	4.926	ng	99
48) Acenaphthylene	12.13	152	70069	3.169	ng	100
51) Acenaphthene	12.40	154	68984	5.207	ng	95
54) Dibenzofuran	12.70	168	147499	7.952	ng	97
57) Fluorene	13.24	166	186607	12.233	ng	99
70) Phenanthrene	14.79	178	848072	47.726	ng	99
71) Anthracene	14.87	178	229097	12.601	ng	98
72) Carbazole	15.17	167	67454	3.897	ng	95
74) Fluoranthene	16.55	202	536478	33.411	ng	97
77) Pyrene	16.86	202	427971	24.723	ng	99
80) Benzo(a)anthracene	18.43	228	188899	15.451	ng	94
82) Chrysene	18.48	228	161998	13.322	ng	99
85) Indeno(1,2,3-cd)pyrene	21.34	276	57116	6.039	ng	99
87) Benzo(b)fluoranthene	19.72	252	178906m	15.468	ng	
88) Benzo(k)fluoranthene	19.74	252	56167m	4.822	ng	
89) Benzo(a)pyrene	20.06	252	139102	13.103	ng	98
90) Dibenzo(a,h)anthracene	21.34	278	17010	2.238	ng	# 77
91) Benzo(a,h,i)perylene	21.69	276	51589	6.187	ng	# 91

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



#1

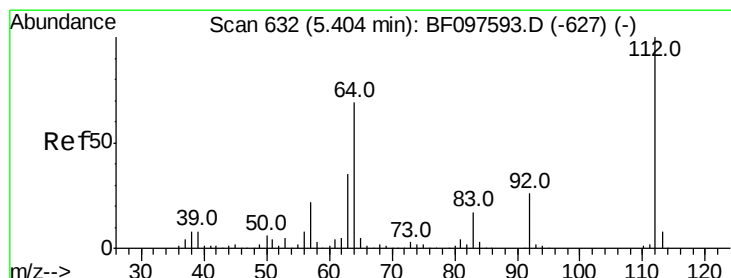
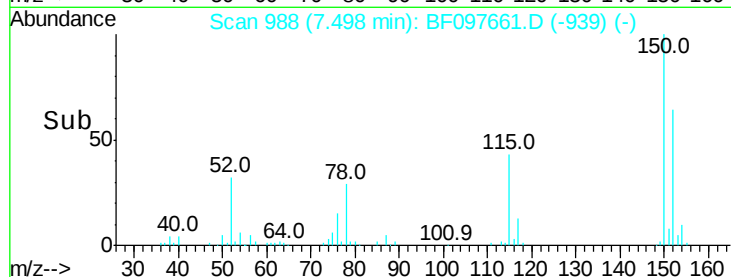
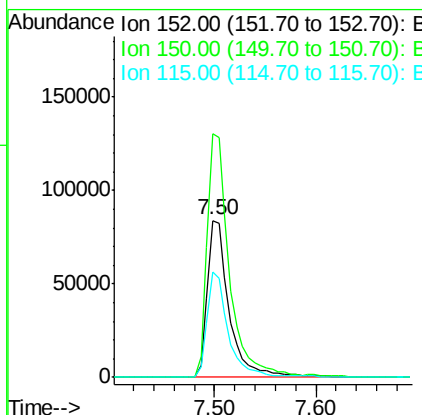
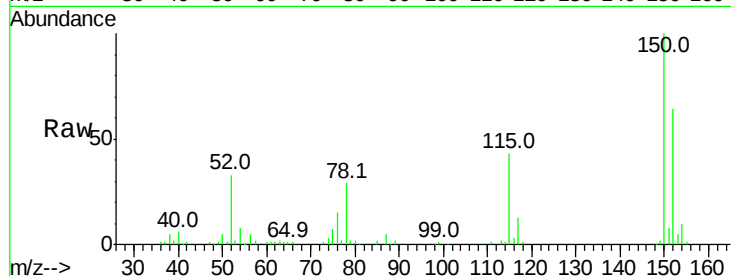
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.50 min Scan# 988
Delta R.T. -0.01 min
Lab File: BF097661.D
Acq: 13 Aug 2017 7:52

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	126.2	189.2
115	67.0	52.2	78.2

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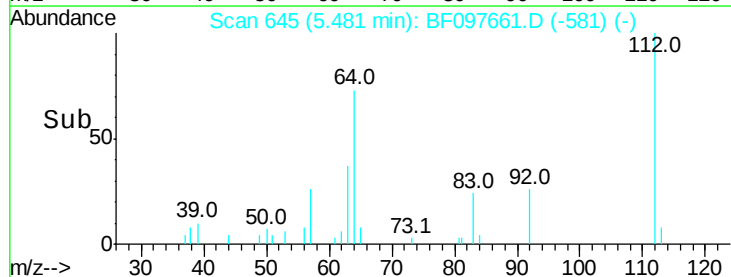
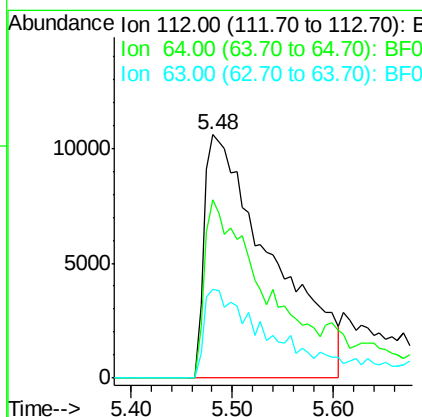
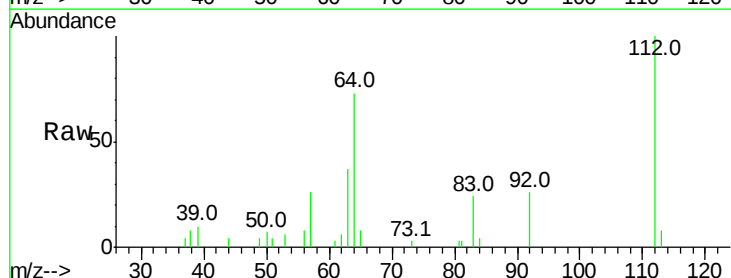
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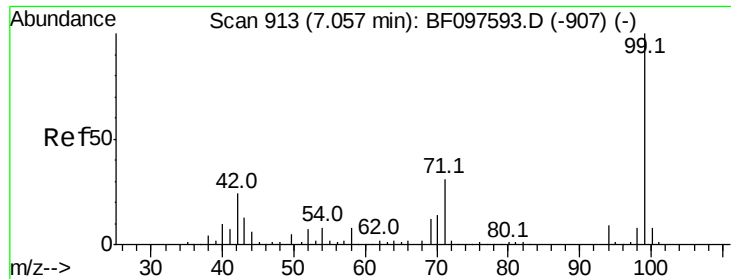


#5

2-Fluorophenol
Concen: 6.134 ng
RT: 5.48 min Scan# 645
Delta R.T. 0.08 min
Lab File: BF097661.D
Acq: 13 Aug 2017 7:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.2	46.0	69.0#
63	36.6	23.4	35.0#





#7

Phenol-d6

Concen: 8.627 ng

RT: 7.12 min Scan# 924

Delta R.T. 0.06 min

Lab File: BF097661.D

Acq: 13 Aug 2017 7:52

Instrument :

BNA_F

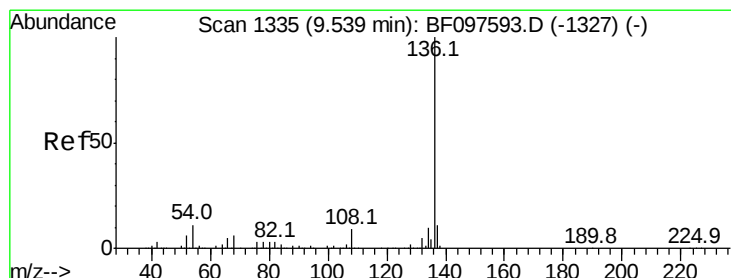
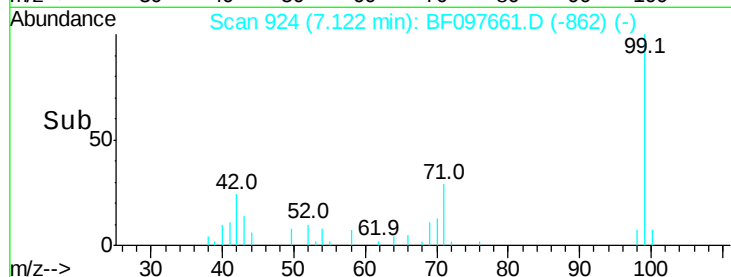
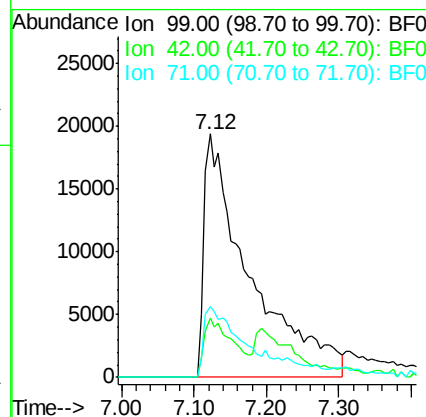
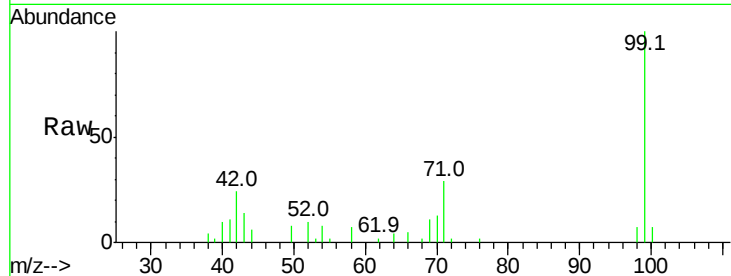
ClientSampleId :

NYSEG-PH4-ESMI-7BDL

Tot Ion:	99	Resp:	84763
Ion Ratio	Lower	Upper	
99	100		
42	24.1	13.5	20.3#
71	29.1	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

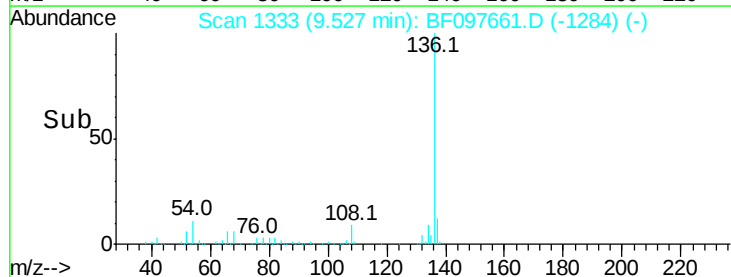
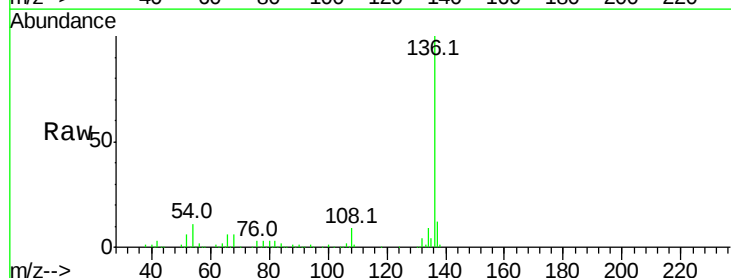
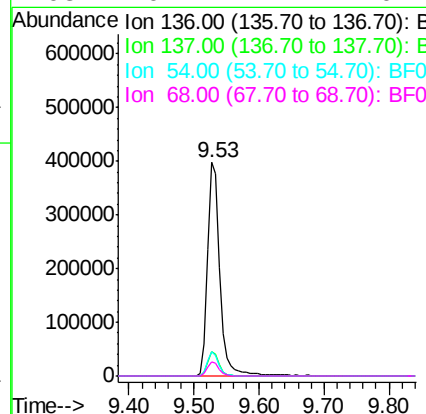
RT: 9.53 min Scan# 1333

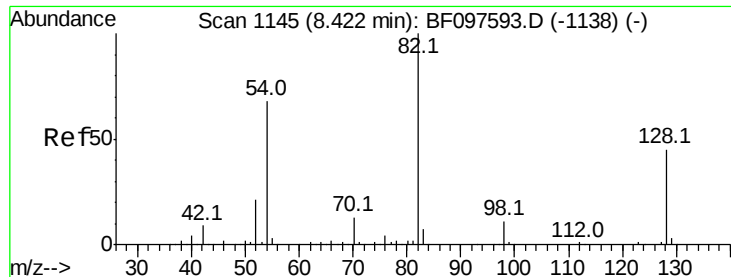
Delta R.T. -0.01 min

Lab File: BF097661.D

Acq: 13 Aug 2017 7:52

Tgt Ion:	136	Resp:	525759
Ion Ratio	Lower	Upper	
136	100		
137	11.6	8.5	12.7
54	11.4	4.9	7.3#
68	6.4	4.1	6.1#





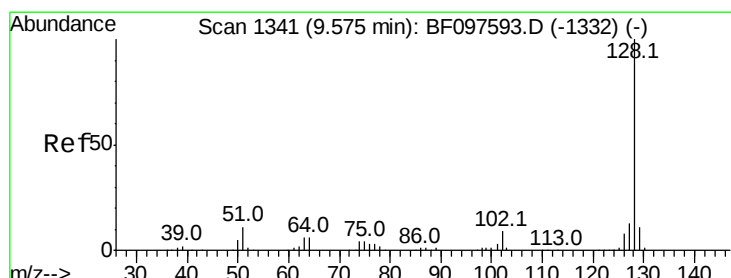
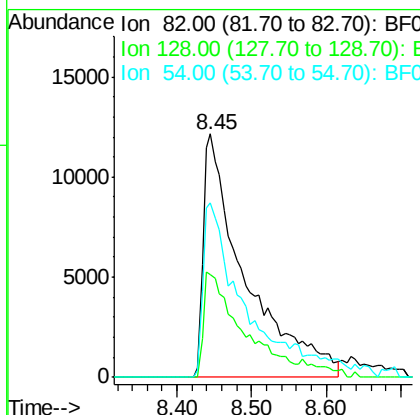
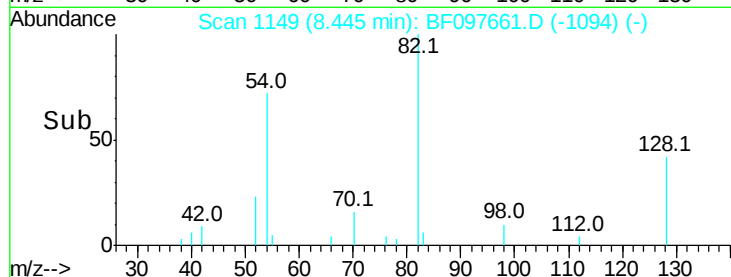
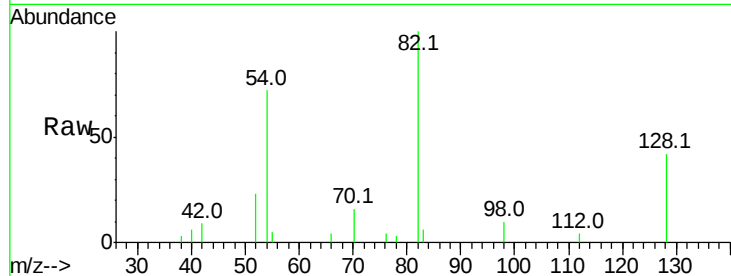
#23
 Nitrobenzene-d5
 Concen: 5.647 ng
 RT: 8.45 min Scan# 1149
 Delta R.T. 0.02 min
 Lab File: BF097661.D
 Acq: 13 Aug 2017 7:52

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.4	34.0	51.0
54	71.9	42.2	63.2

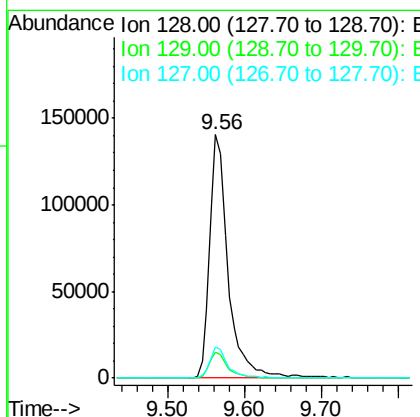
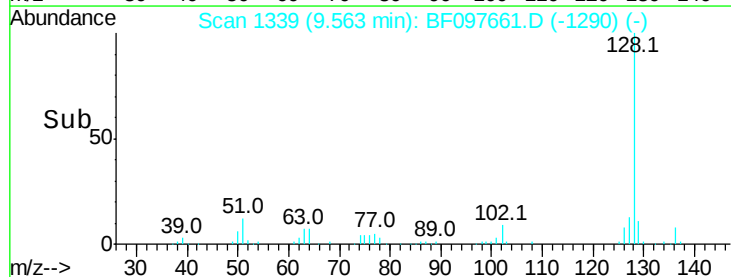
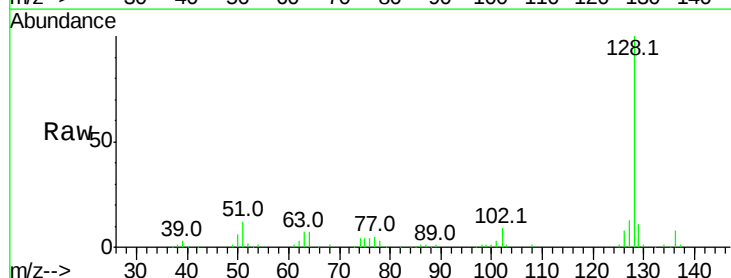
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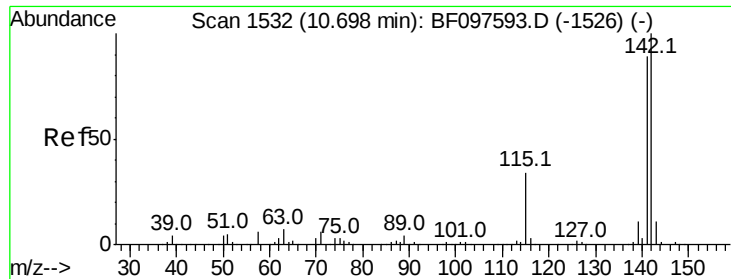
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#31
 Naphthalene
 Concen: 8.820 ng
 RT: 9.56 min Scan# 1339
 Delta R.T. -0.01 min
 Lab File: BF097661.D
 Acq: 13 Aug 2017 7:52

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





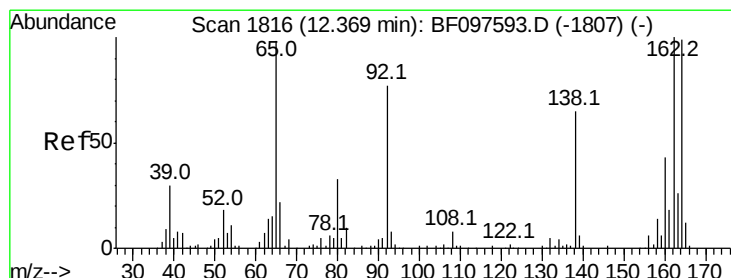
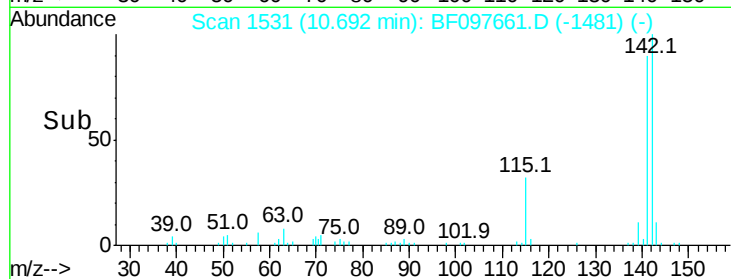
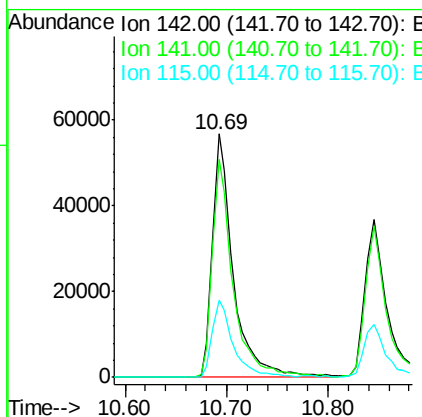
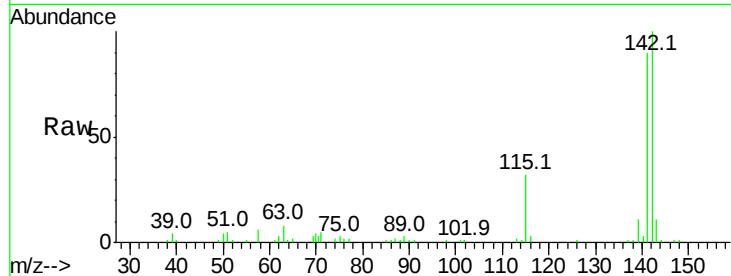
#37
2-Methylnaphthalene
Concen: 4.926 ng
RT: 10.69 min Scan# 1531
Delta R.T. -0.01 min
Lab File: BF097661.D
Acq: 13 Aug 2017 7:52

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

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.8	71.3	106.9
115	31.8	27.1	40.7

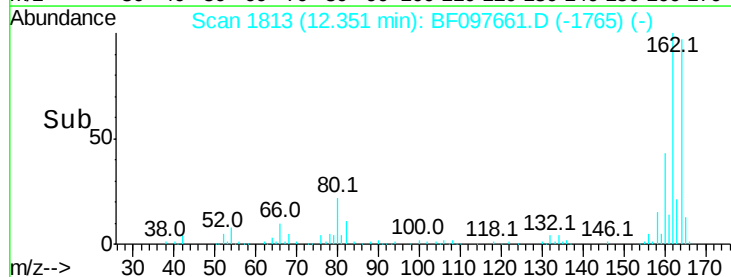
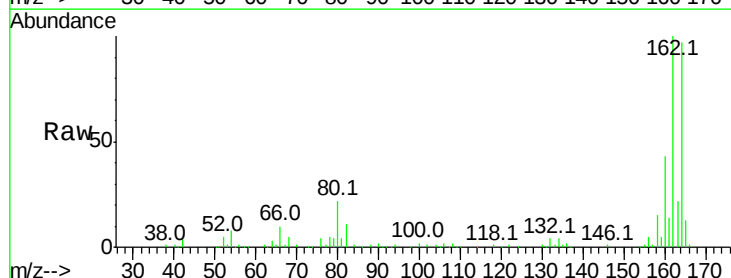
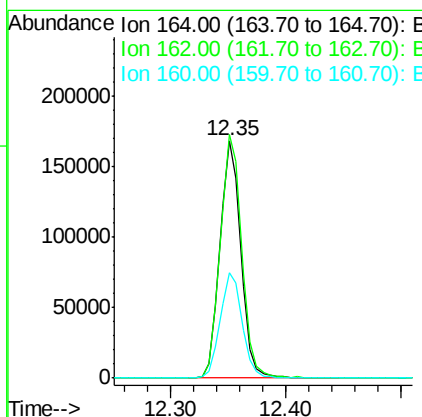
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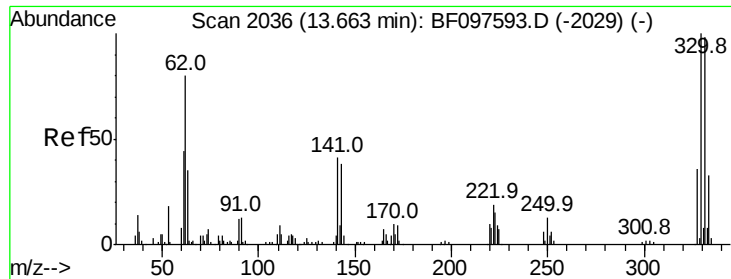
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 12.35 min Scan# 1813
Delta R.T. -0.02 min
Lab File: BF097661.D
Acq: 13 Aug 2017 7:52

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.6	82.6	123.8
160	44.3	36.2	54.2





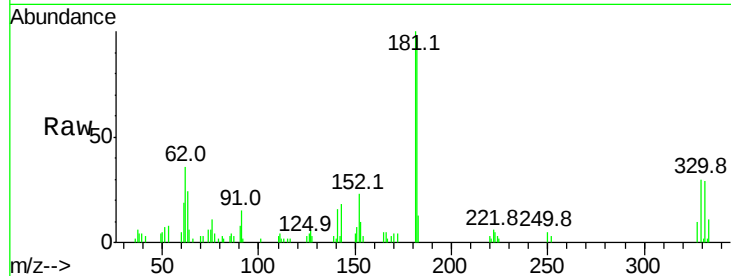
#41
 2,4,6-Tribromophenol
 Concen: 5.497 ng
 RT: 13.66 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: BF097661.D
 Acq: 13 Aug 2017 7:52

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

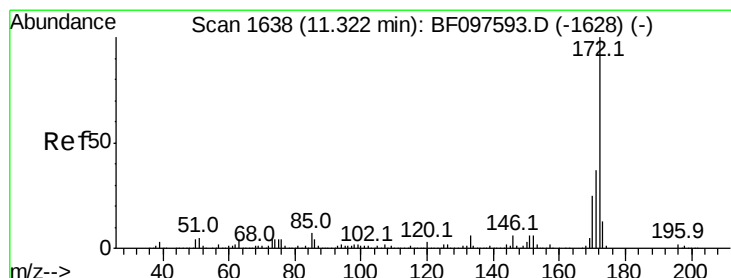
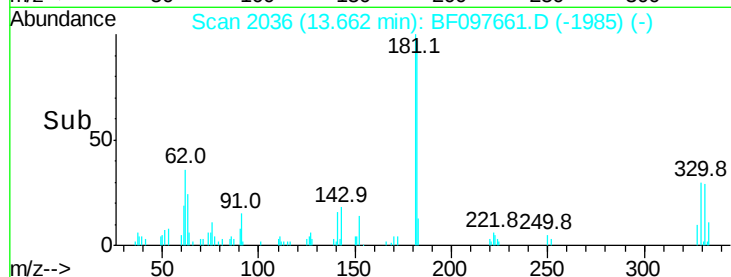
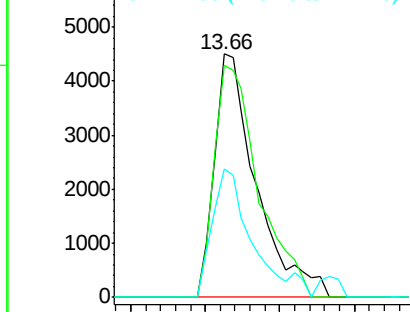
Tot Ion	Ratio	Lower	Upper
330	100		
332	101.0	76.6	115.0
141	50.4	31.4	47.2#

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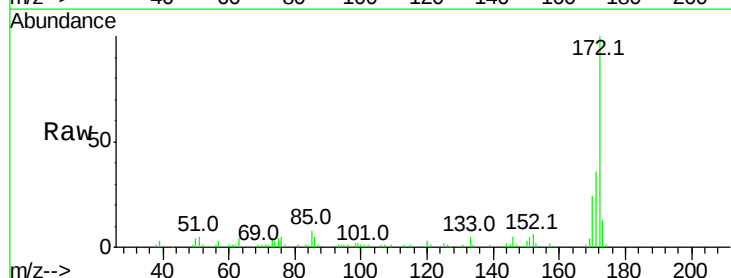


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

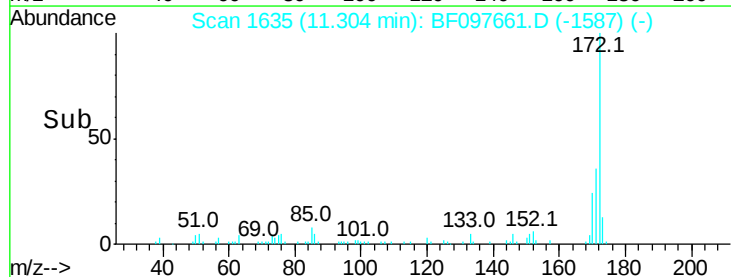
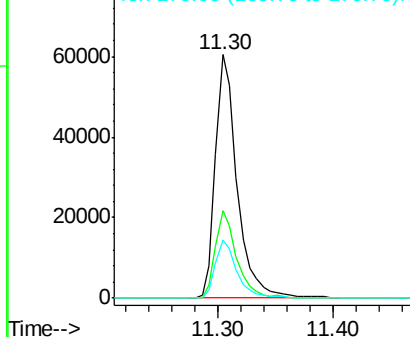


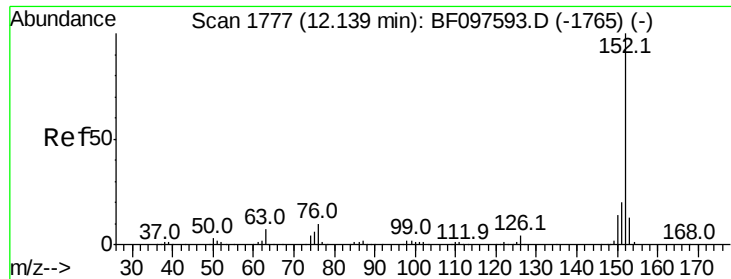
#44
 2-Fluorobiphenyl
 Concen: 5.661 ng
 RT: 11.30 min Scan# 1635
 Delta R.T. -0.02 min
 Lab File: BF097661.D
 Acq: 13 Aug 2017 7:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	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





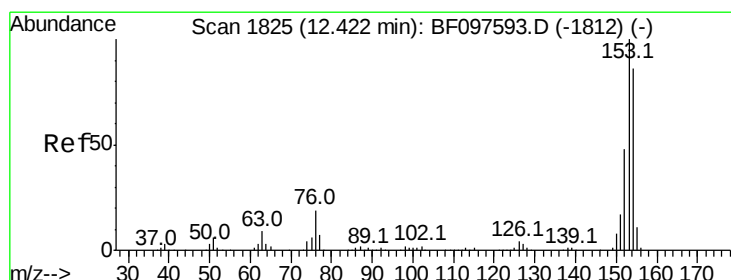
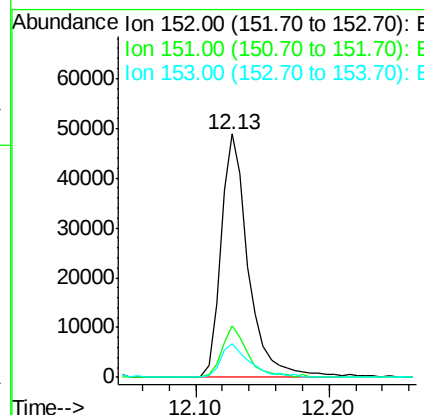
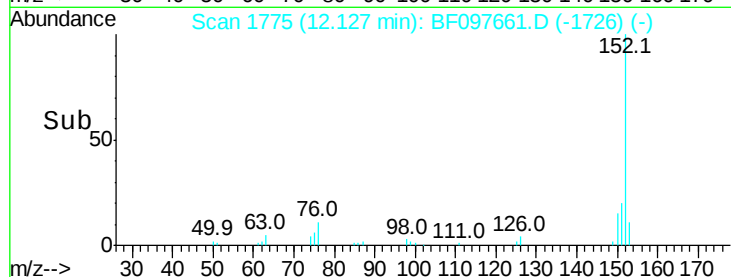
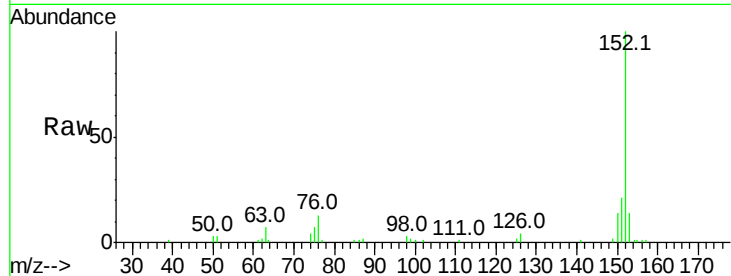
#48
Acenaphthylene
Concen: 3.169 ng
RT: 12.13 min Scan# 1775
Delta R.T. -0.01 min
Lab File: BF097661.D
Acq: 13 Aug 2017 7:52

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

Tot Ion:	152	Resp:	70069
Ion Ratio	Lower	Upper	
152	100		
151	21.0	16.8	25.2
153	13.6	10.8	16.2

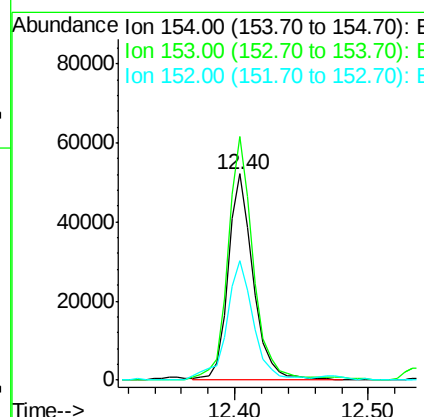
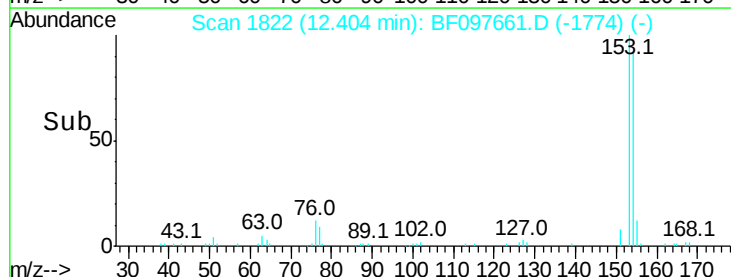
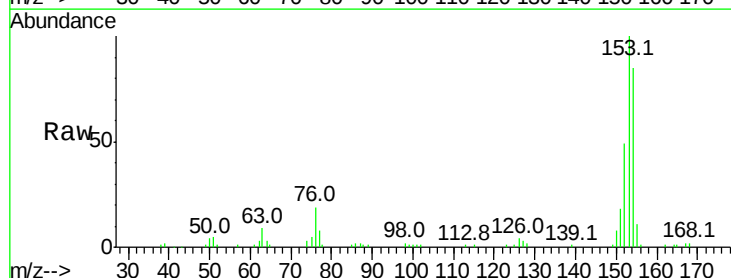
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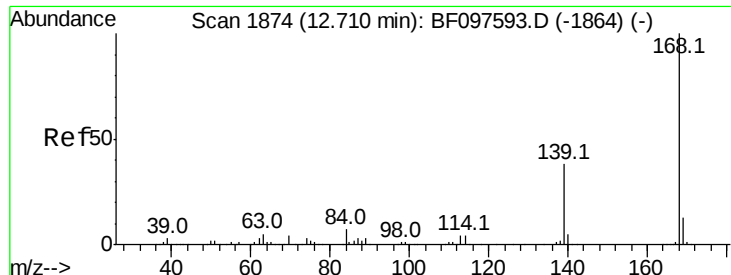
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#51
Acenaphthene
Concen: 5.207 ng
RT: 12.40 min Scan# 1822
Delta R.T. -0.02 min
Lab File: BF097661.D
Acq: 13 Aug 2017 7:52

Tgt Ion:	154	Resp:	68984
Ion Ratio	Lower	Upper	
154	100		
153	118.1	90.5	135.7
152	58.0	43.6	65.4





#54

Dibenzenofuran

Concen: 7.952 ng

RT: 12.70 min Scan# 1872

Delta R.T. -0.01 min

Lab File: BF097661.D

Acq: 13 Aug 2017 7:52

Instrument :

BNA_F

ClientSampleId :

NYSEG-PH4-ESMI-7BDL

Tot Ion:168 Resp: 147499

Ion Ratio Lower Upper

168 100

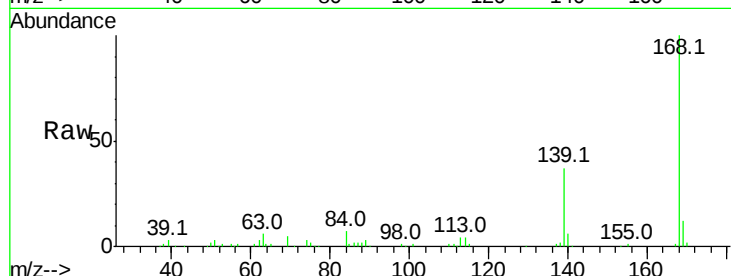
139 36.7 30.6 45.8

169 11.7 10.8 16.2

Manual Integrations
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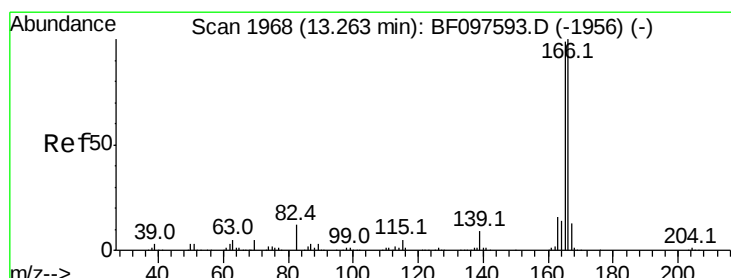
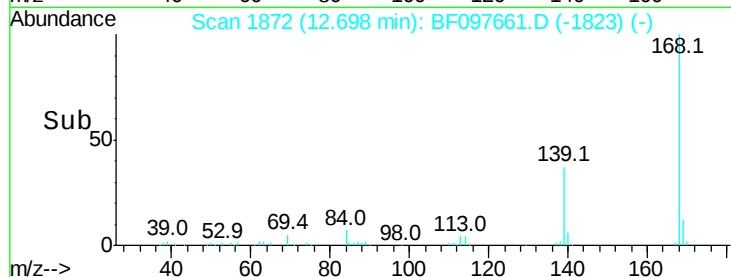
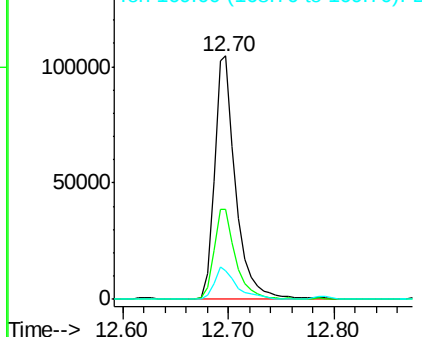
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 12.233 ng

RT: 13.24 min Scan# 1965

Delta R.T. -0.02 min

Lab File: BF097661.D

Acq: 13 Aug 2017 7:52

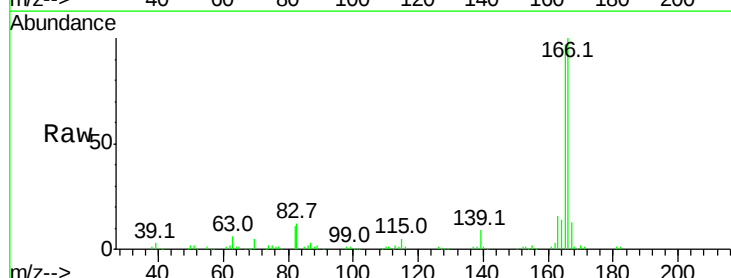
Tgt Ion:166 Resp: 186607

Ion Ratio Lower Upper

166 100

165 97.0 78.8 118.2

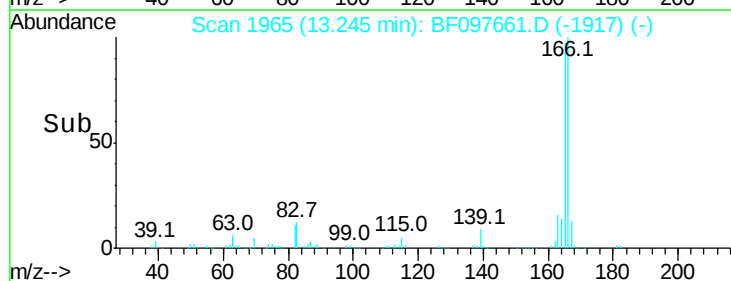
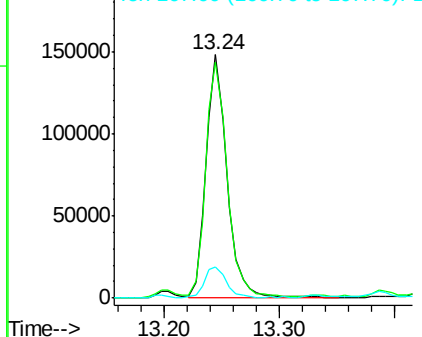
167 13.0 10.6 16.0

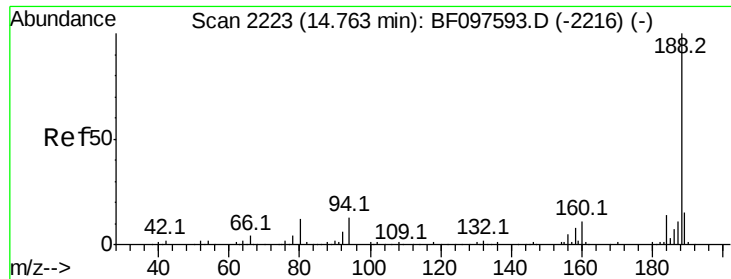


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





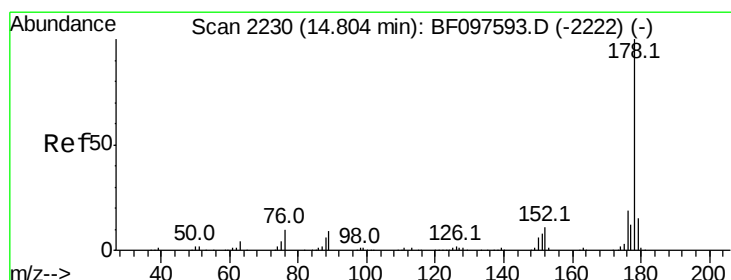
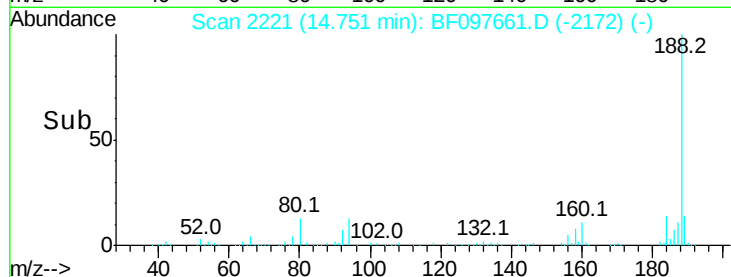
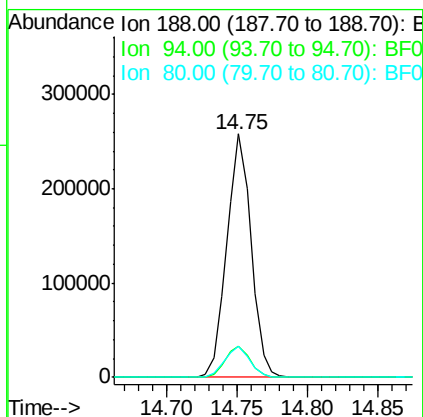
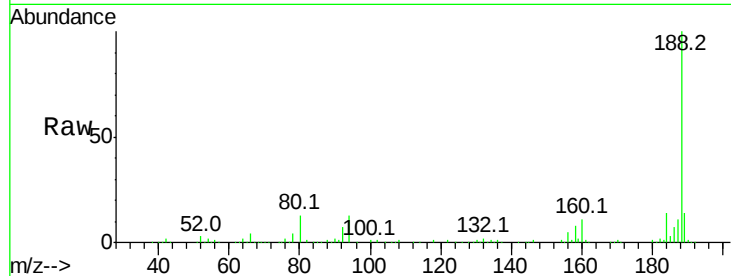
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 14.75 min Scan# 2221
 Delta R.T. -0.01 min
 Lab File: BF097661.D
 Acq: 13 Aug 2017 7:52

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

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	12.7	9.4	14.2
80	12.8	10.2	15.2

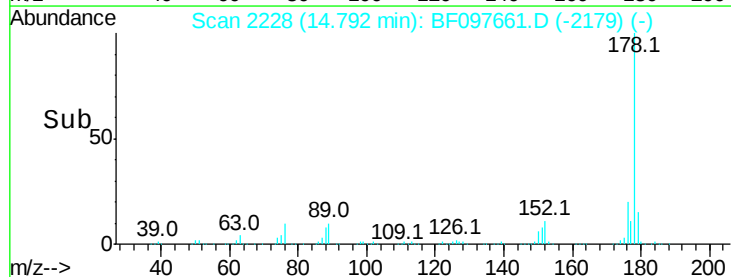
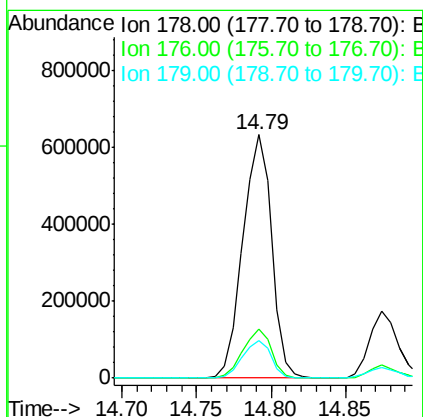
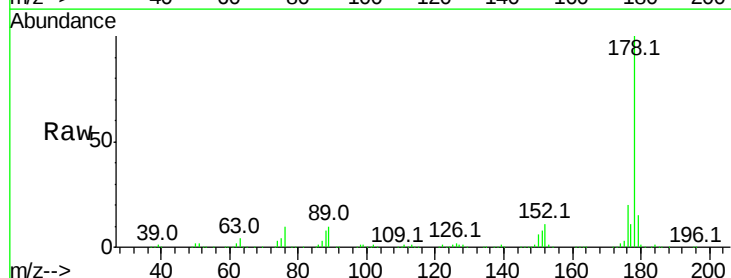
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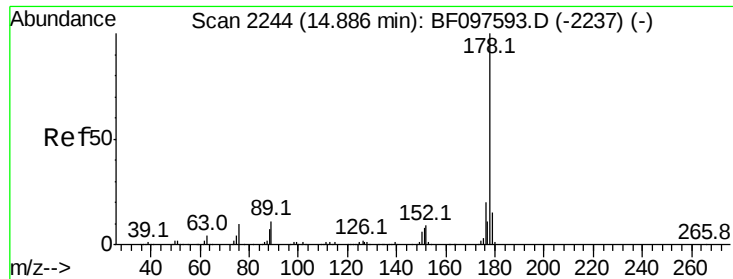
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#70
 Phenanthrene
 Concen: 47.726 ng
 RT: 14.79 min Scan# 2228
 Delta R.T. -0.01 min
 Lab File: BF097661.D
 Acq: 13 Aug 2017 7:52

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.9	16.2	24.4
179	15.4	12.6	19.0





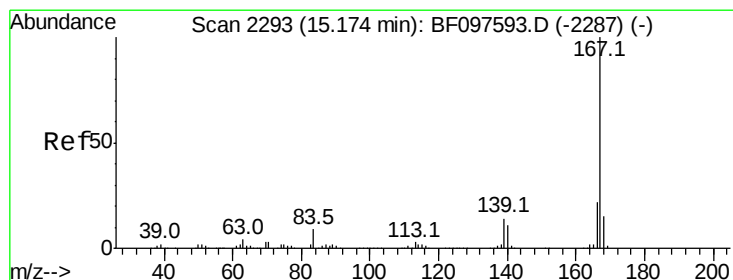
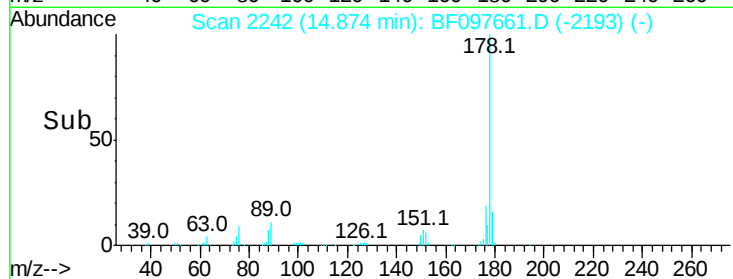
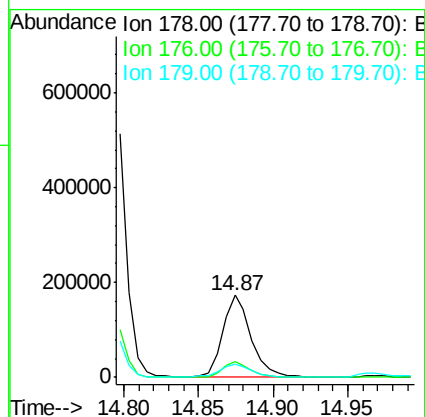
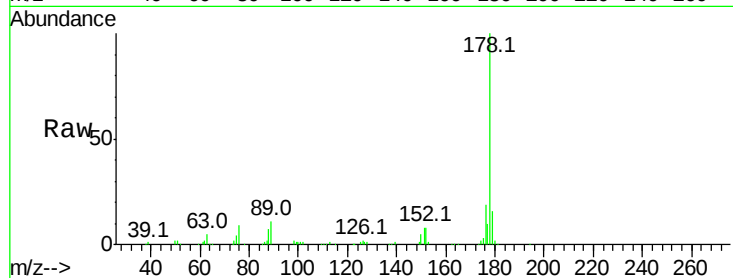
#71
 Anthracene
 Concen: 12.601 ng
 RT: 14.87 min Scan# 2242
 Delta R.T. -0.01 min
 Lab File: BF097661.D
 Acq: 13 Aug 2017 7:52

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	16.4	12.7	19.1

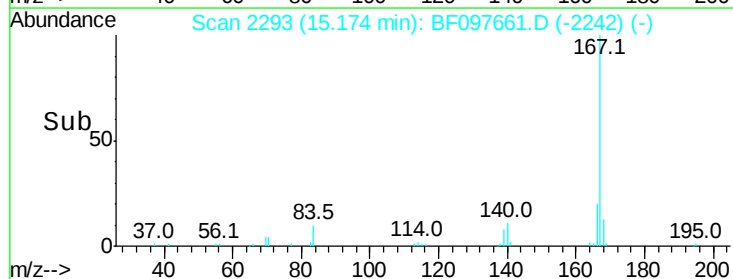
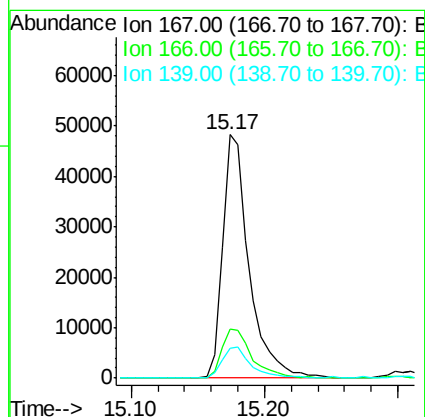
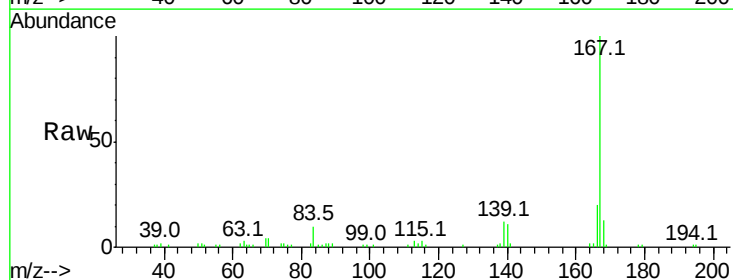
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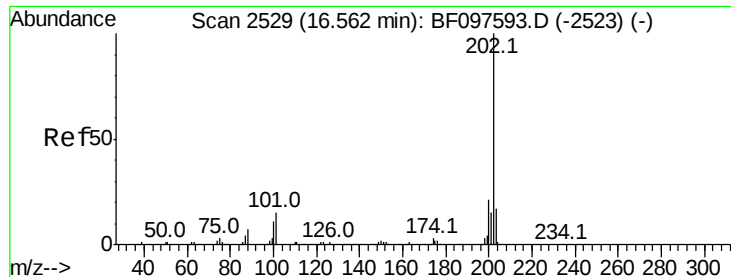
sohil
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#72
 Carbazole
 Concen: 3.897 ng
 RT: 15.17 min Scan# 2293
 Delta R.T. -0.00 min
 Lab File: BF097661.D
 Acq: 13 Aug 2017 7:52

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.4	18.1	27.1
139	12.1	11.7	17.5





#74

Fluoranthene

Concen: 33.411 ng

RT: 16.55 min Scan# 2527

Delta R.T. -0.01 min

Lab File: BF097661.D

Acq: 13 Aug 2017 7:52

Instrument :

BNA_F

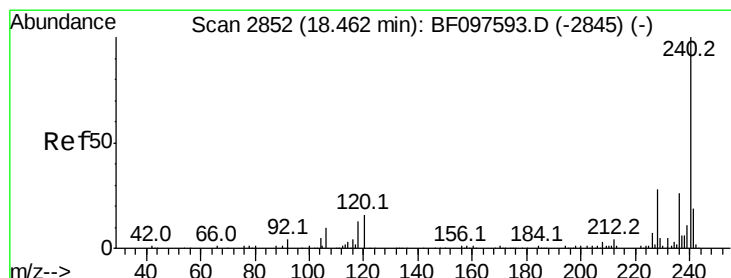
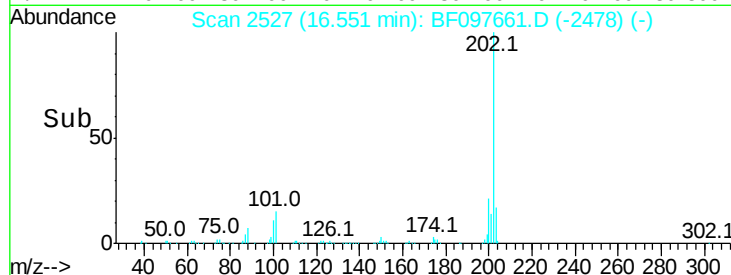
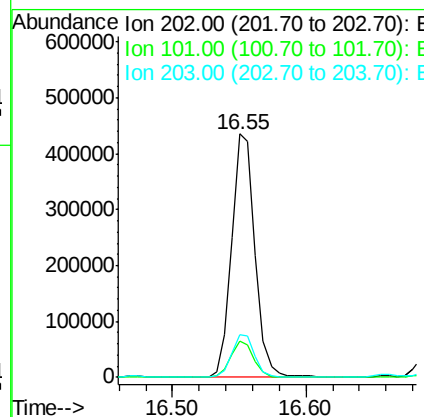
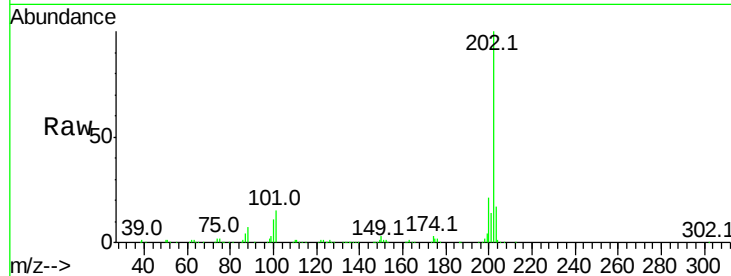
ClientSampleId :

NYSEG-PH4-ESMI-7BDL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	15.0	0.0	33.2
203	17.4	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

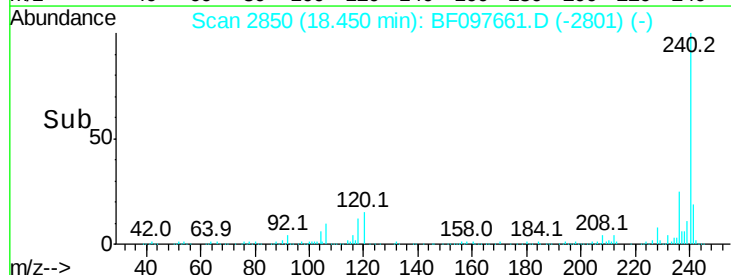
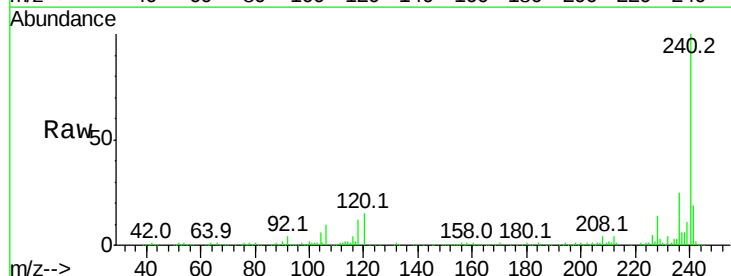
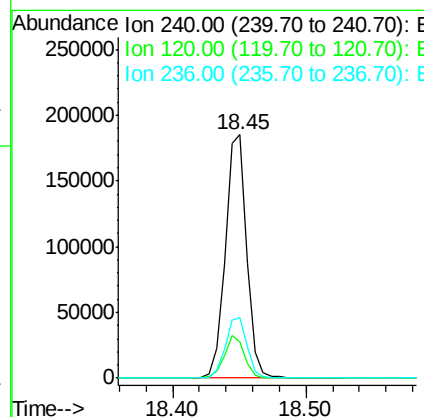
RT: 18.45 min Scan# 2850

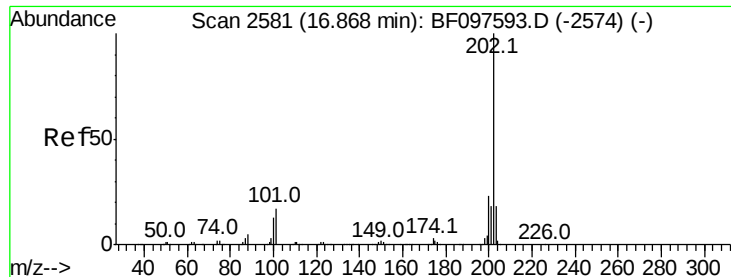
Delta R.T. -0.01 min

Lab File: BF097661.D

Acq: 13 Aug 2017 7:52

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.0	5.8	8.8#
236	24.8	20.5	30.7





#77

Pvrene

Concen: 24.723 ng

RT: 16.86 min Scan# 2579

Delta R.T. -0.01 min

Lab File: BF097661.D

Acq: 13 Aug 2017 7:52

Instrument :

BNA_F

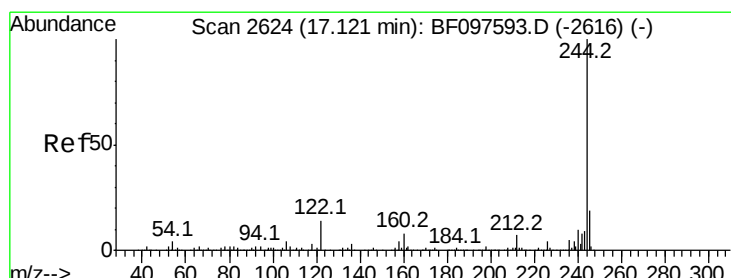
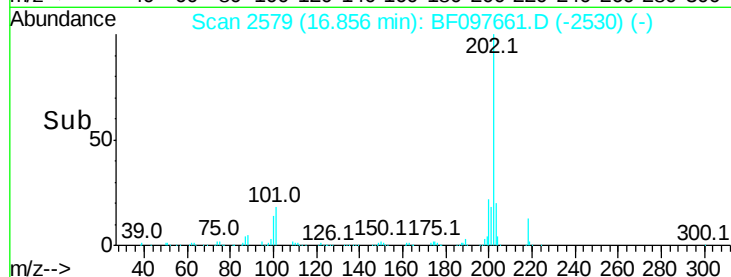
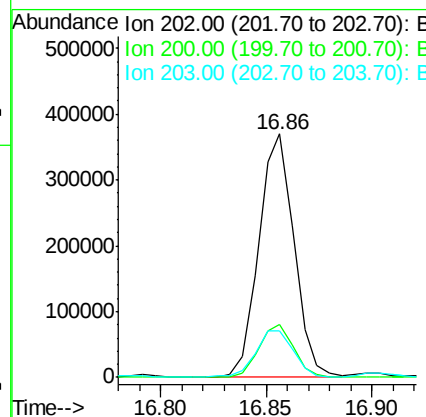
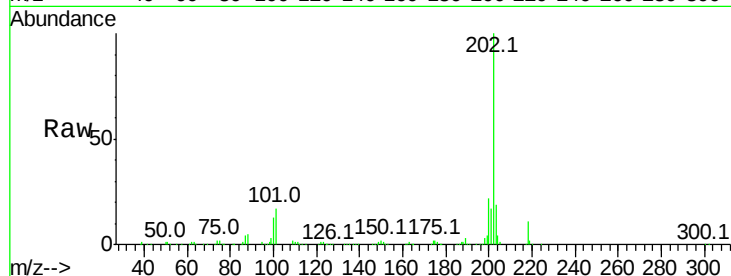
ClientSampleId :

NYSEG-PH4-ESMI-7BDL

Tot Ion:	202	Resp:	427971
Ion Ratio	Lower	Upper	
202	100		
200	22.0	17.6	26.4
203	19.2	14.4	21.6

Manual Integrations
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#78

Terphenyl-d14

Concen: 4.153 ng

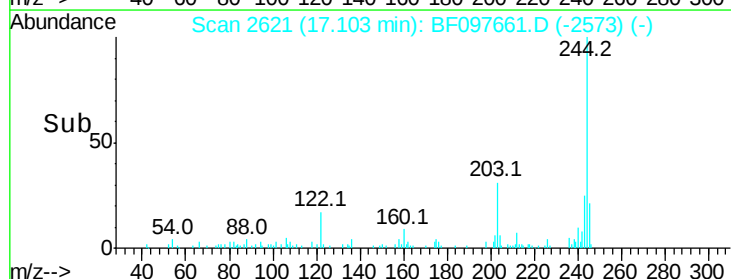
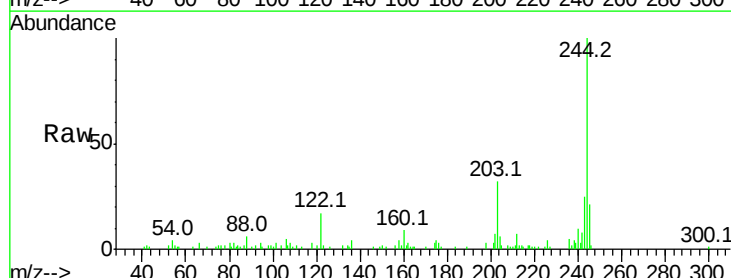
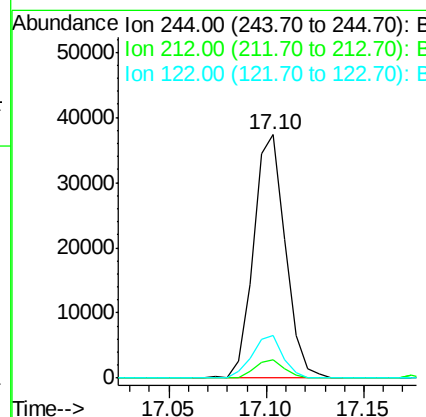
RT: 17.10 min Scan# 2621

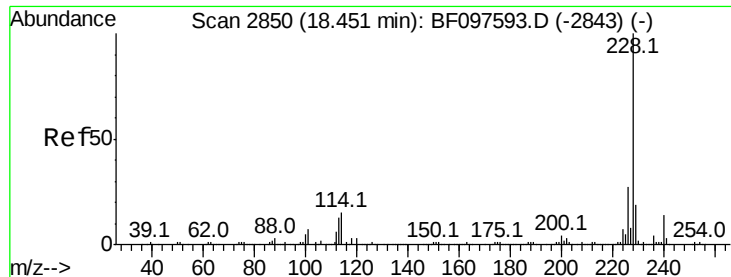
Delta R.T. -0.02 min

Lab File: BF097661.D

Acq: 13 Aug 2017 7:52

Tgt Ion:	244	Resp:	42001
Ion Ratio	Lower	Upper	
244	100		
212	7.3	6.0	9.0
122	17.4	10.3	15.5#





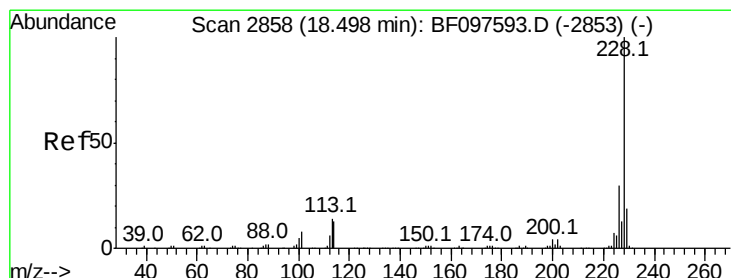
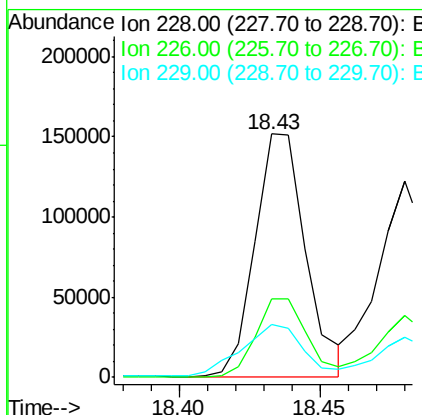
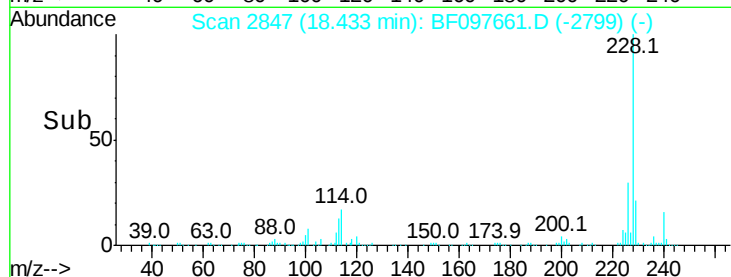
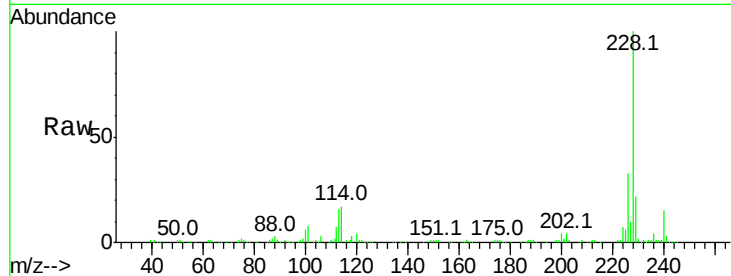
#80
Benzo(a)anthracene
Concen: 15.451 ng
RT: 18.43 min Scan# 2847
Delta R.T. -0.02 min
Lab File: BF097661.D
Acq: 13 Aug 2017 7:52

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.5	22.6	33.8
229	21.7	16.3	24.5

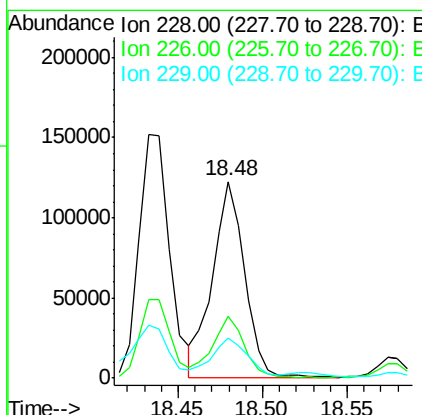
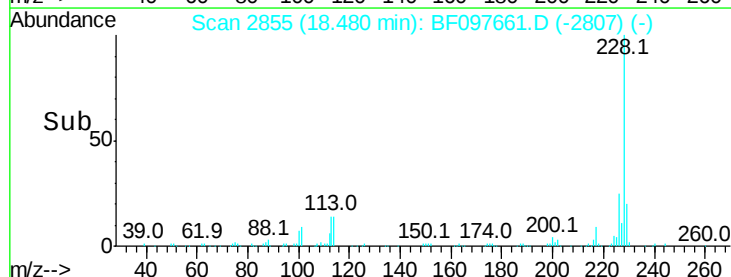
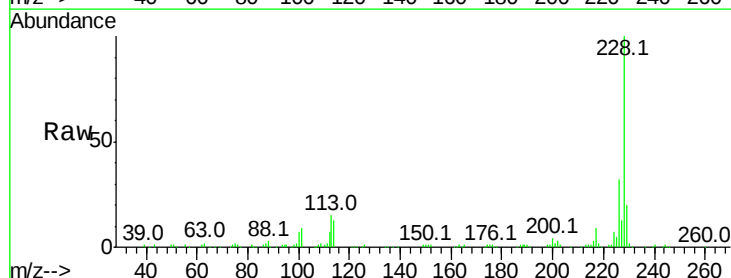
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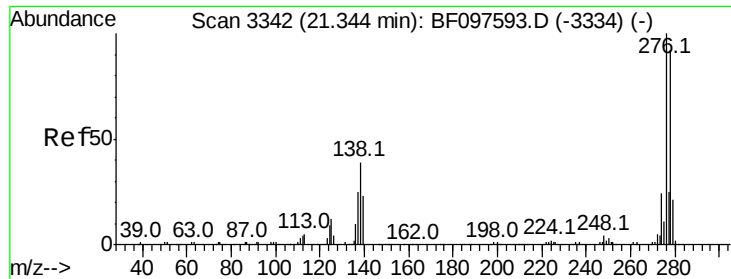
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#82
Chrysene
Concen: 13.322 ng
RT: 18.48 min Scan# 2855
Delta R.T. -0.02 min
Lab File: BF097661.D
Acq: 13 Aug 2017 7:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.9	37.3
229	20.2	15.8	23.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 6.039 ng

RT: 21.34 min Scan# 3341

Delta R.T. -0.01 min

Lab File: BF097661.D

Acq: 13 Aug 2017 7:52

Instrument :

BNA_F

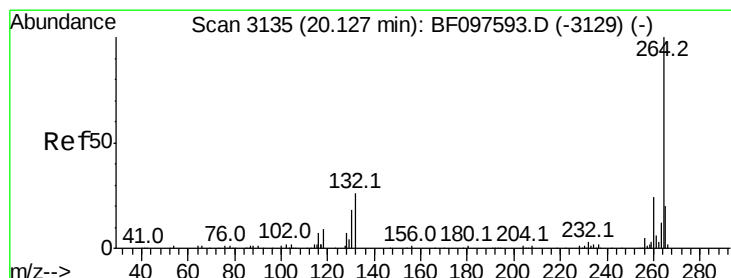
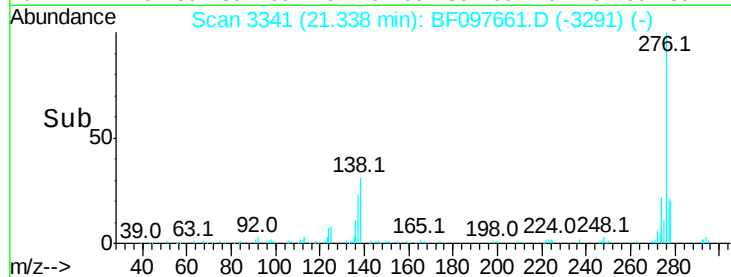
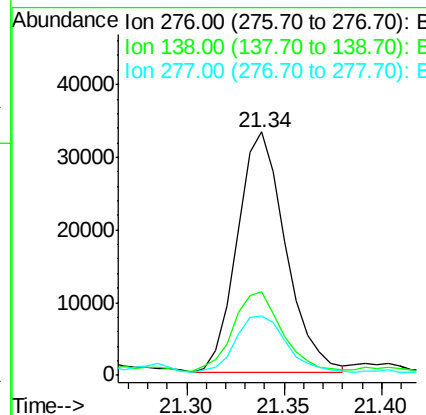
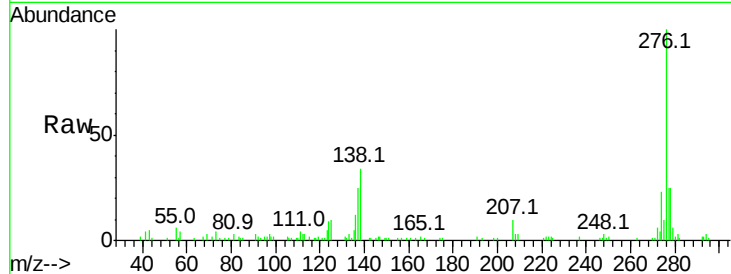
ClientSampleId :

NYSEG-PH4-ESMI-7BDL

Tot Ion:	276	Resp:	57116
Ion Ratio	Lower	Upper	
276	100		
138	34.9	27.8	41.6
277	24.9	20.2	30.4

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#86

Perylene-d12

Concen: 20.000 ng

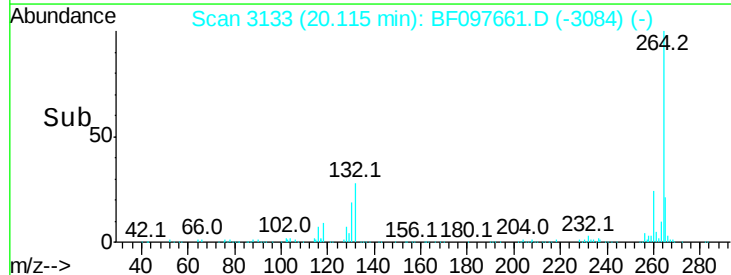
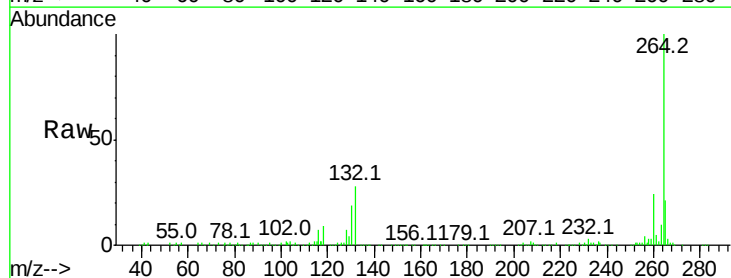
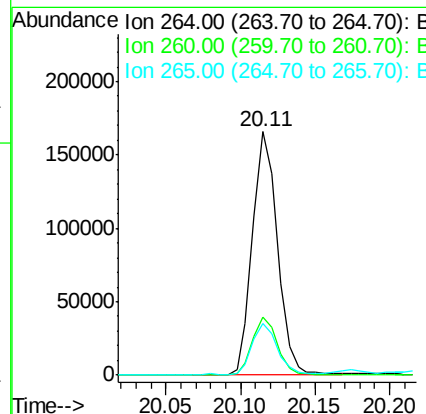
RT: 20.11 min Scan# 3133

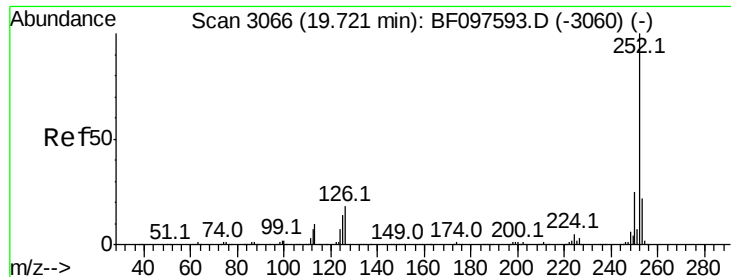
Delta R.T. -0.01 min

Lab File: BF097661.D

Acq: 13 Aug 2017 7:52

Tgt Ion:	264	Resp:	192616
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.5	29.3
265	21.2	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 15.468 ng m

RT: 19.72 min Scan# 3065

Delta R.T. -0.01 min

Lab File: BF097661.D

Acq: 13 Aug 2017 7:52

Instrument :

BNA_F

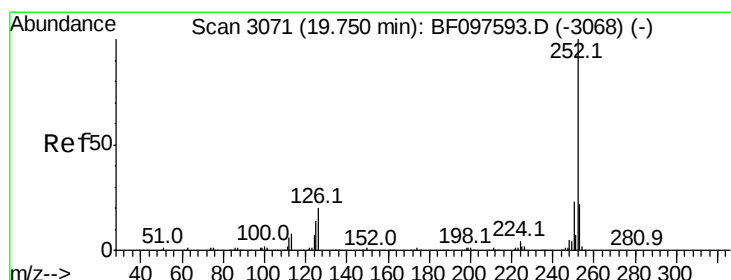
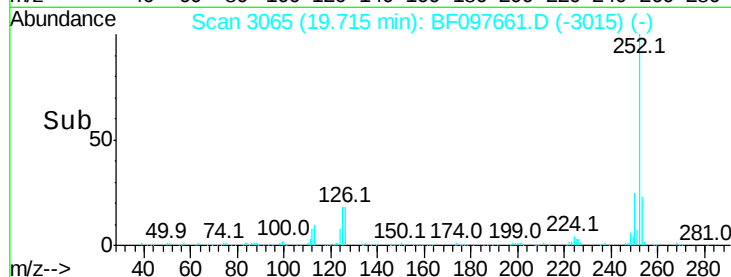
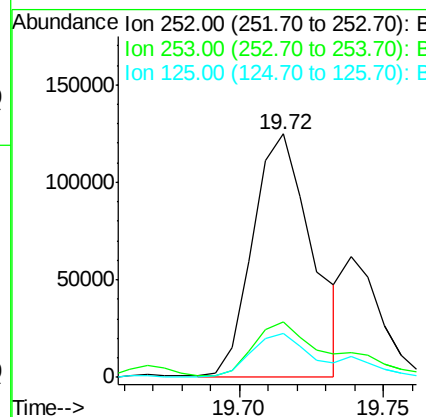
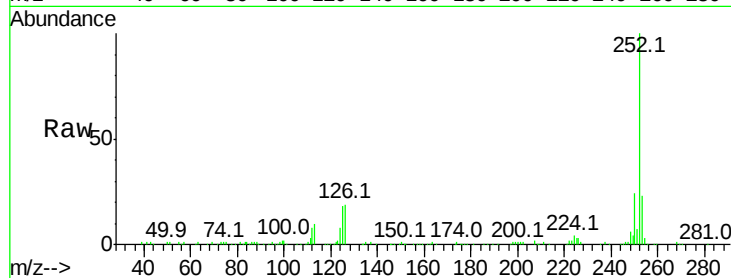
ClientSampleId :

NYSEG-PH4-ESMI-7BDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	18.0	9.8	14.8

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#88

Benzo(k)fluoranthene

Concen: 4.822 ng m

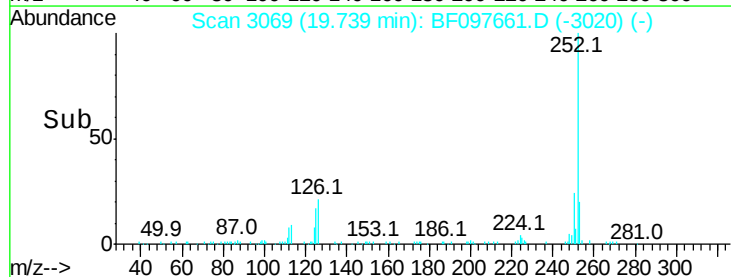
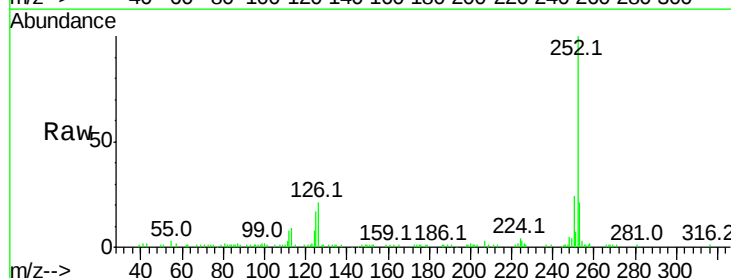
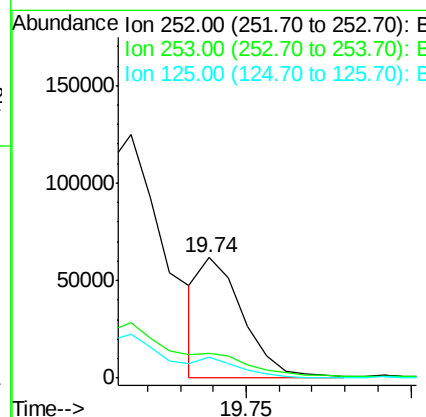
RT: 19.74 min Scan# 3069

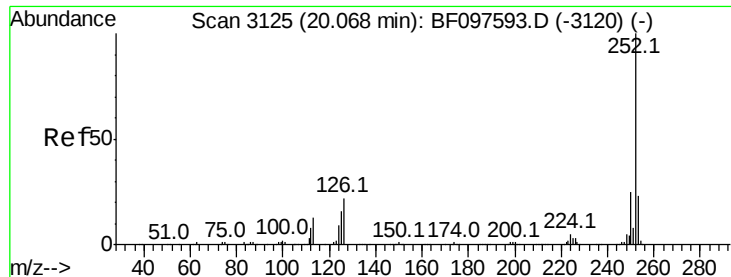
Delta R.T. -0.01 min

Lab File: BF097661.D

Acq: 13 Aug 2017 7:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.0	18.4	27.6
125	17.0	13.1	19.7





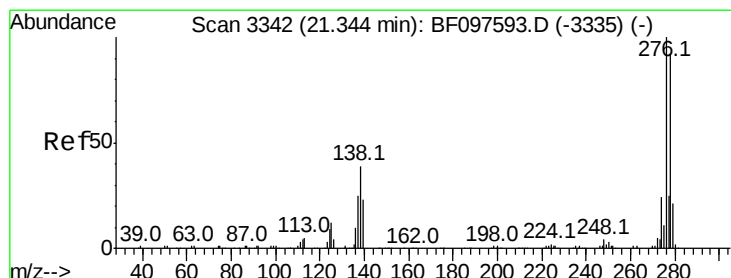
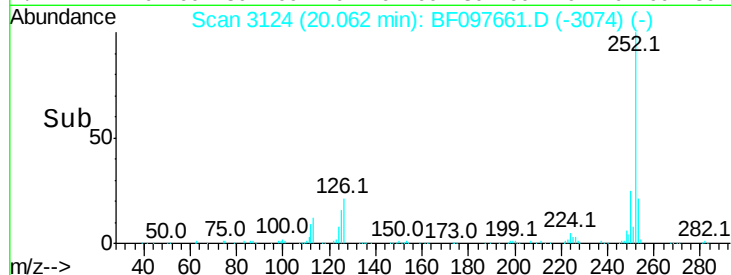
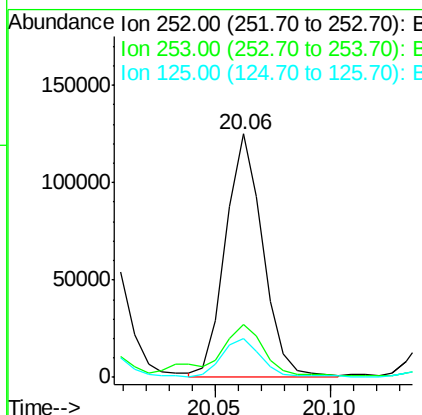
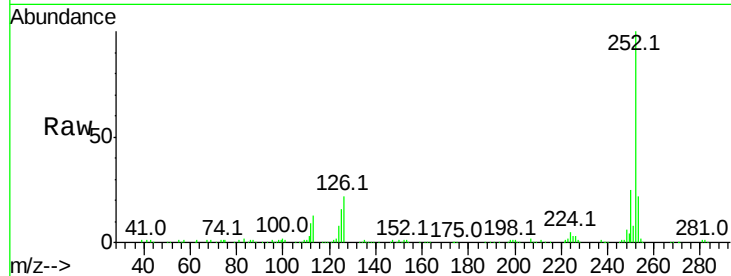
#89
Benzo(a)pyrene
Concen: 13.103 ng
RT: 20.06 min Scan# 3124
Delta R.T. -0.01 min
Lab File: BF097661.D
Acq: 13 Aug 2017 7:52

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	15.7	11.0	16.4

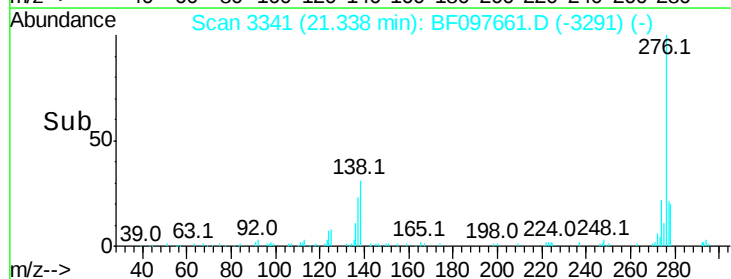
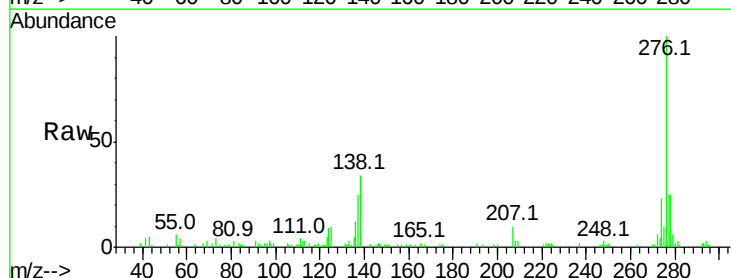
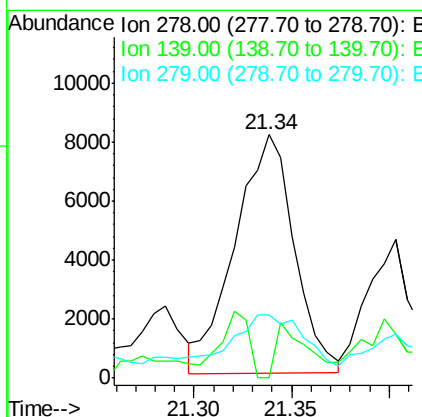
Manual Integrations
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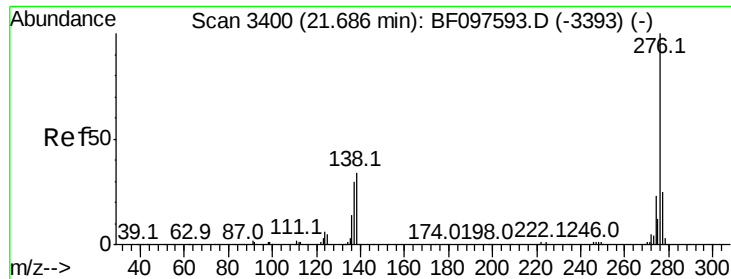
sohil
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#90
Dibenzo(a,h)anthracene
Concen: 2.238 ng
RT: 21.34 min Scan# 3341
Delta R.T. -0.01 min
Lab File: BF097661.D
Acq: 13 Aug 2017 7:52

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8#
279	26.0	19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 6.187 ng
 RT: 21.69 min Scan# 3400
 Delta R.T. 0.00 min
 Lab File: BF097661.D
 Acq: 13 Aug 2017 7:52

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.9	18.6	28.0
138	38.6	25.4	38.0

Manual Integrations
 APPROVED

sohil
 8/14/2017 7:07:41 PM

