

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091515\
 Data File : BF081635.D
 Acq On : 15 Sep 2015 18:35
 Operator : UM/IZ
 Sample : G3579-01RE
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-CLARKST-ESMI-2RE

Manual Integrations
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 9/16/2015 1:47:07 PM

Quant Time: Sep 16 01:22:40 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 15 14:03:59 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.22	152	51678	20.00	ng	0.00
21) Naphthalene-d8	11.13	136	197723	20.00	ng	0.01
38) Acenaphthene-d10	15.27	164	89760	20.00	ng	0.01
63) Phenanthrene-d10	18.80	188	151032	20.00	ng	0.05
75) Chrysene-d12	23.41	240	115605	20.00	ng	0.02
86) Perylene-d12	24.84	264	97884	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.38	112	503286	151.10	ng	0.03
7) Phenol-d6	7.65	99	715029	162.18	ng	0.00
23) Nitrobenzene-d5	9.52	82	444522	108.47	ng	-0.01
41) 2,4,6-Tribromophenol	17.19	330	114215	142.91	ng	0.02
44) 2-Fluorobiphenyl	13.77	172	632987	90.37	ng	0.00
78) Terphenyl-d14	22.13	244	398780	80.30	ng	0.01

Target Compounds

						Qvalue
31) Naphthalene	11.21	128	3544775	336.16	ng	97
37) 2-Methylnaphthalene	12.84	142	424617	61.88	ng	# 88
45) 1,1'-Biphenyl	13.99	154	749156	90.72	ng	96
48) Acenaphthylene	14.93	152	427875	40.44	ng	97
49) Dimethylphthalate	14.85	163	149238	21.40	ng	# 97
51) Acenaphthene	15.42	154	3185080	529.20	ng	92
54) Dibenzofuran	15.77	168	190885	21.72	ng	# 83
57) Fluorene	16.62	166	1384077	207.53	ng	95
70) Phenanthrene	18.95	178	6846853	815.44	ng	95
71) Anthracene	19.03	178	1488943	172.60	ng	96
74) Fluoranthene	21.50	202	2722358	299.50	ng	90
77) Pyrene	21.85	202	3452378	403.16	ng	94
80) Benzo(a)anthracene	23.40	228	919699	124.92	ng	# 93
82) Chrysene	23.44	228	654036m	99.10	ng	
83) Bis(2-ethylhexyl)phthalate	23.50	149	15139	3.08	ng	# 96
85) Indeno(1,2,3-cd)pyrene	25.89	276	231949	47.90	ng	# 80
87) Benzo(b)fluoranthene	24.50	252	591285m	84.61	ng	
88) Benzo(k)fluoranthene	24.50	252	247526m	42.69	ng	
89) Benzo(a)pyrene	24.79	252	781186	131.92	ng	# 88
90) Dibenzo(a,h)anthracene	25.89	278	47610m	10.40	ng	
91) Benzo(g,h,i)perylene	26.20	276	252028	57.71	ng	# 73

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

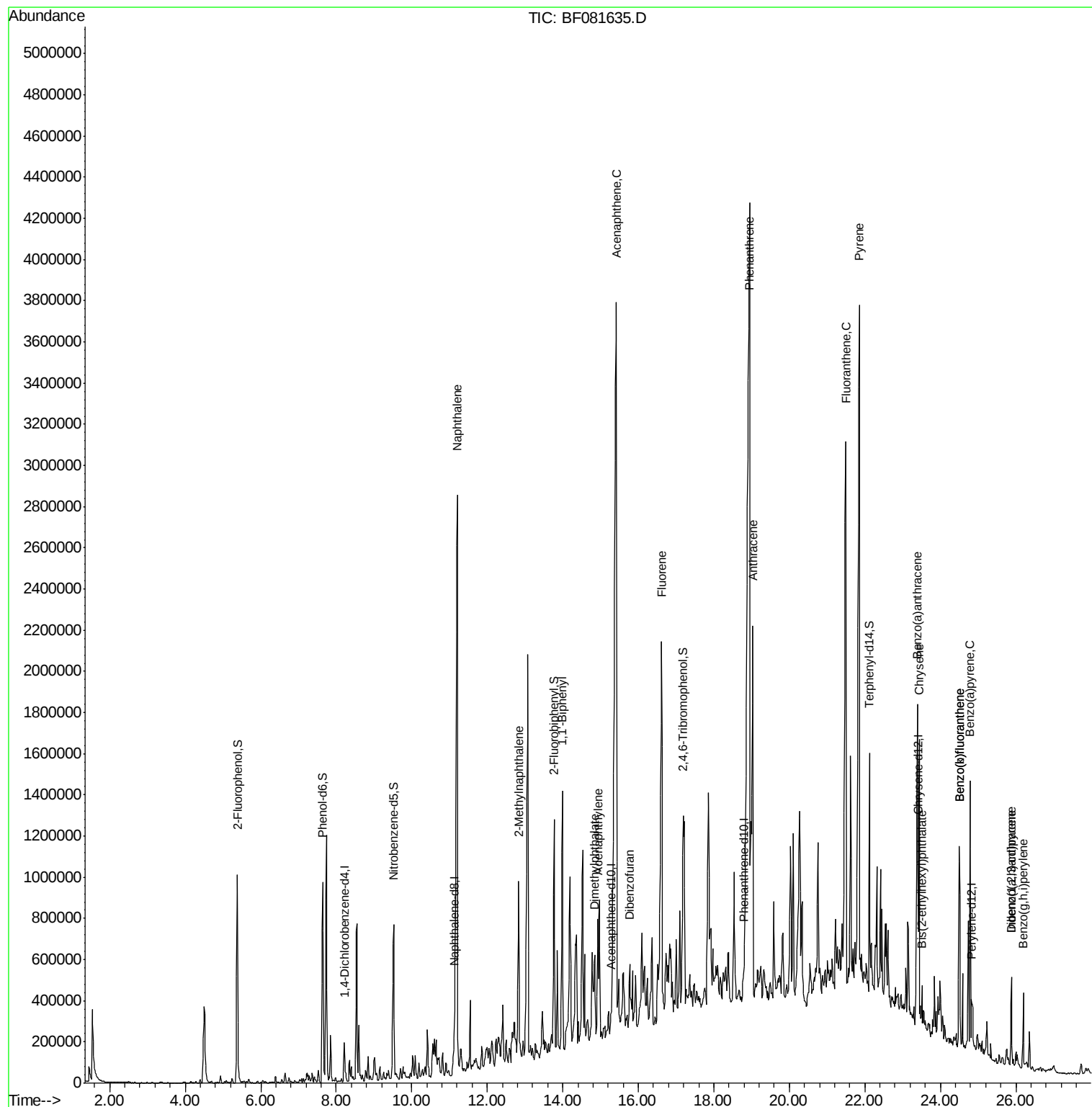
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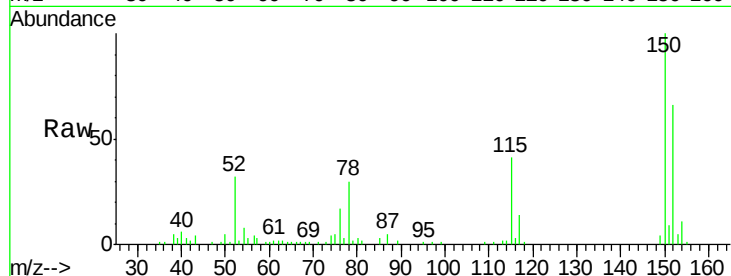




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.22 min Scan# 602
Delta R.T. 0.00 min
Lab File: BF081635.D
Acq: 15 Sep 2015 18:35

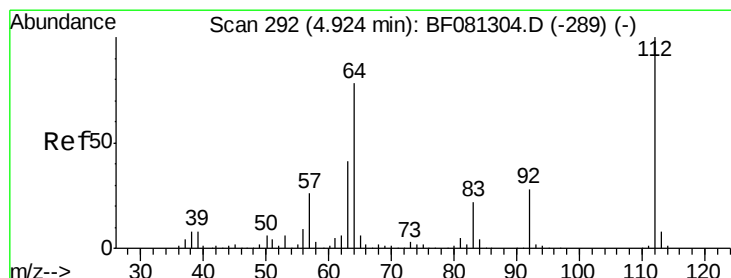
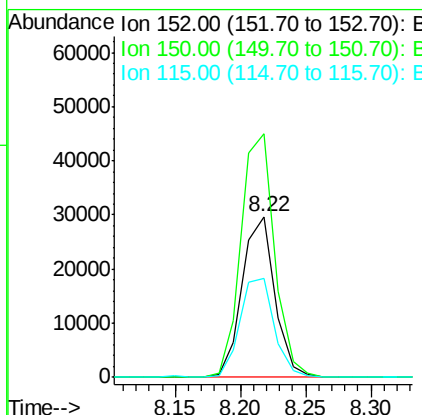
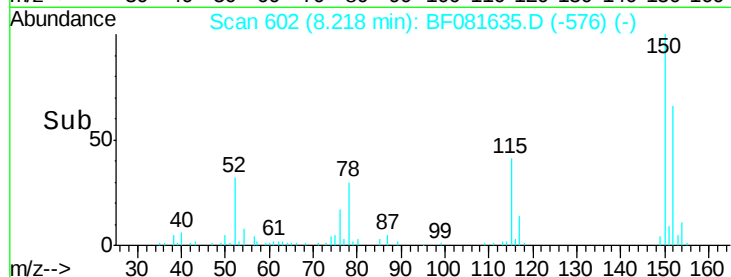
Instrument :
BNA_F
ClientSampleId :
NYSEG-CLARKST-ESMI-2RE



Tgt Ion	Ratio	Lower	Upper
152	100		
150	151.6	124.7	187.1
115	61.7	39.0	58.4#

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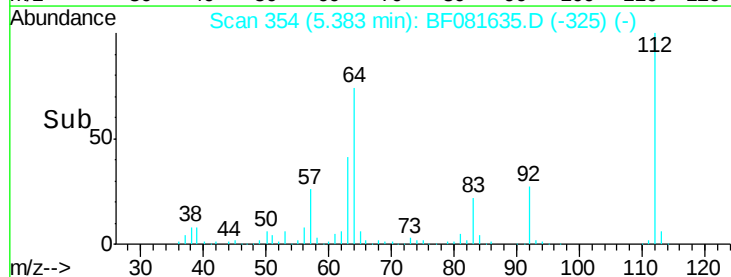
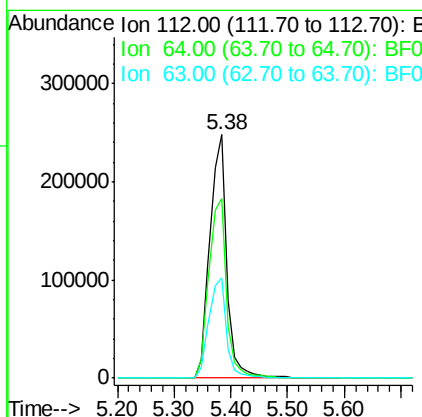
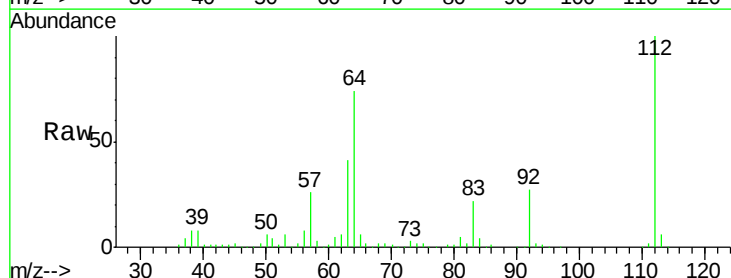
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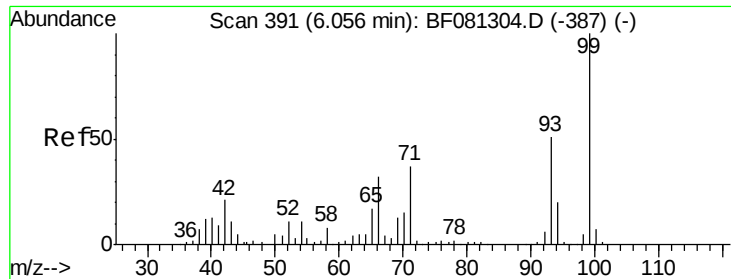


#5

2-Fluorophenol
Concen: 151.10 ng
RT: 5.38 min Scan# 354
Delta R.T. 0.03 min
Lab File: BF081635.D
Acq: 15 Sep 2015 18:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.9	39.7	59.5#
63	41.0	17.4	26.0#





#7

Phenol-d6

Concen: 162.18 ng

RT: 7.65 min Scan# 552

Delta R.T. -0.00 min

Lab File: BF081635.D

Acq: 15 Sep 2015 18:35

Instrument :

BNA_F

ClientSampleId :

NYSEG-CLARKST-ESMI-2RE

Tgt Ion: 99 Resp: 715029

Ion Ratio Lower Upper

99 100

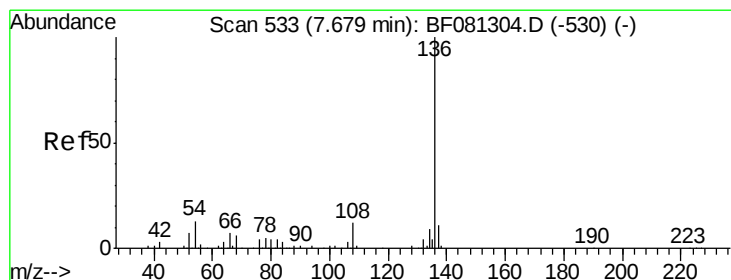
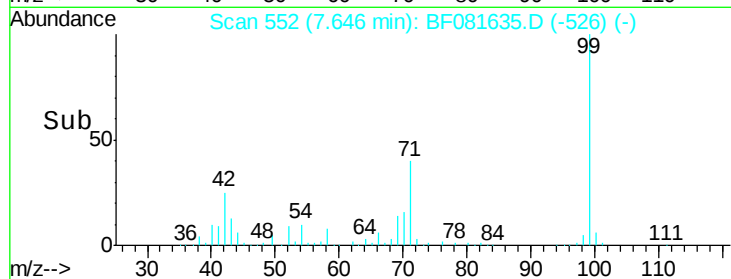
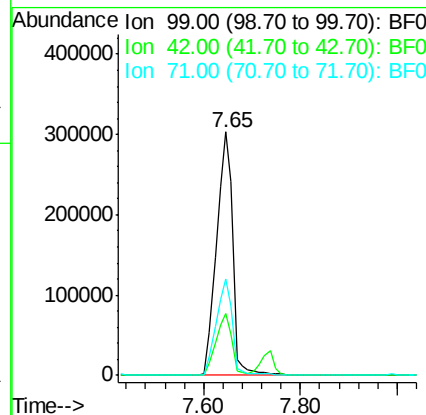
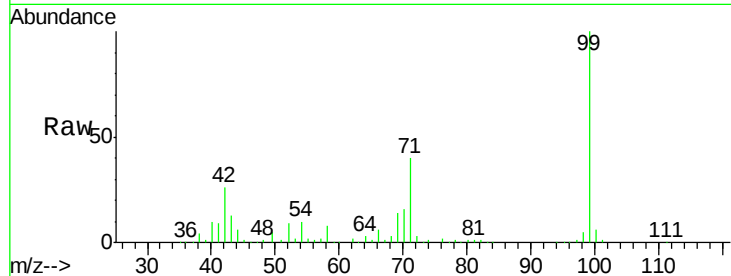
42 25.5 13.7 20.5#

71 39.6 14.2 21.2#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.13 min Scan# 857

Delta R.T. 0.01 min

Lab File: BF081635.D

Acq: 15 Sep 2015 18:35

Tgt Ion: 136 Resp: 197723

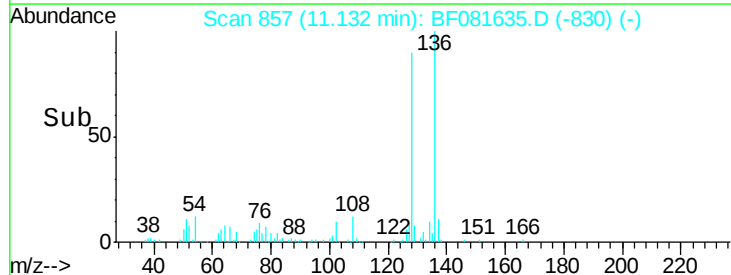
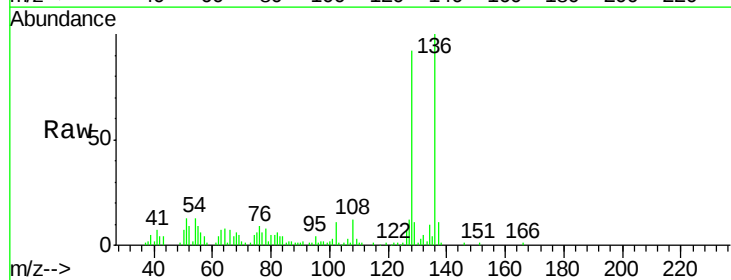
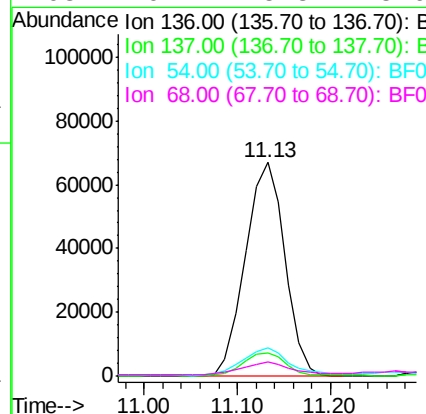
Ion Ratio Lower Upper

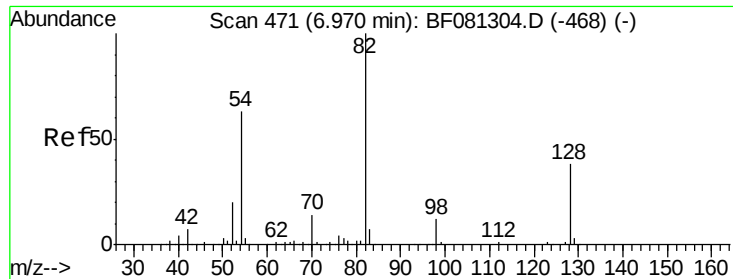
136 100

137 10.8 9.0 13.6

54 13.0 8.2 12.2#

68 6.4 5.8 8.6





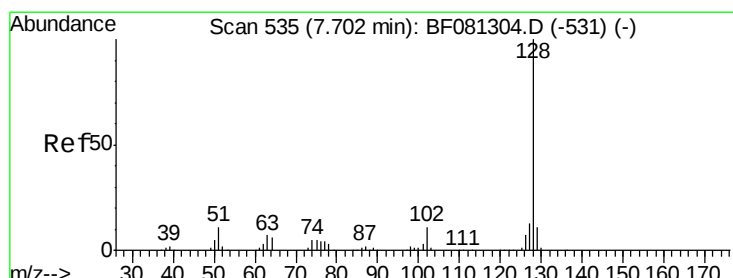
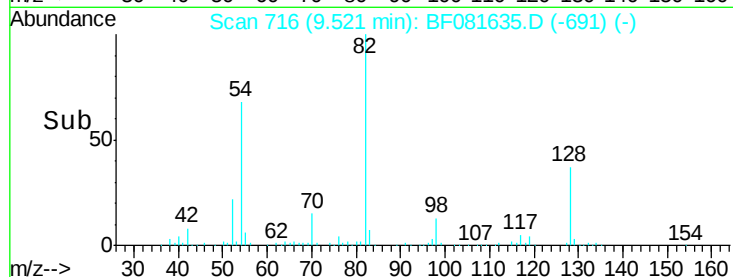
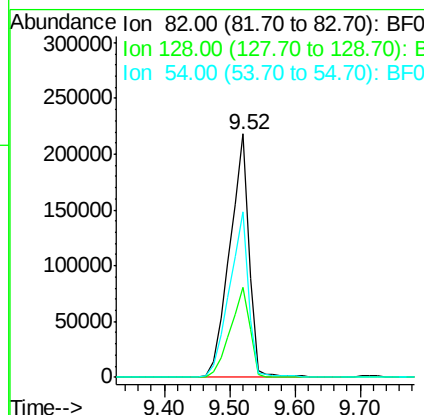
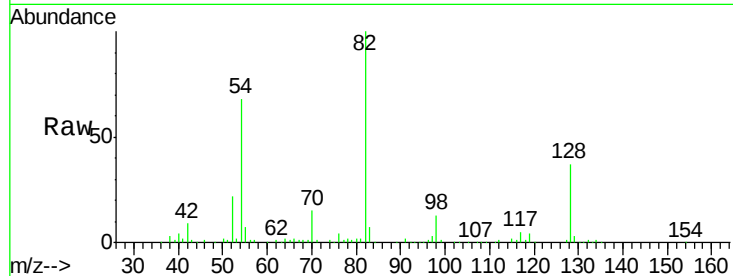
#23
 Nitrobenzene-d5
 Concen: 108.47 ng
 RT: 9.52 min Scan# 716
 Delta R.T. -0.01 min
 Lab File: BF081635.D
 Acq: 15 Sep 2015 18:35

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-CLARKST-ESMI-2RE

Tgt Ion	Ratio	Lower	Upper
82	100		
128	37.0	51.0	76.6#
54	67.9	47.5	71.3

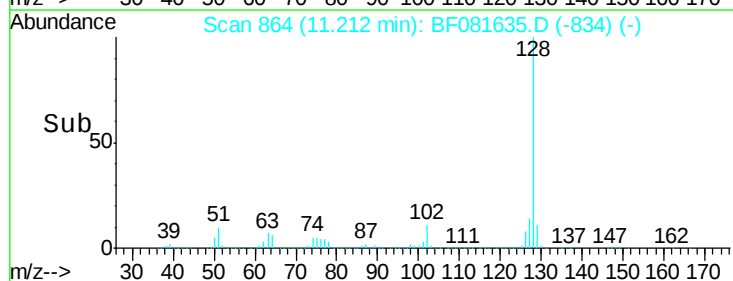
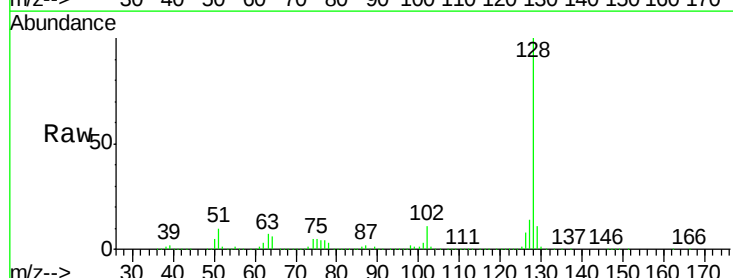
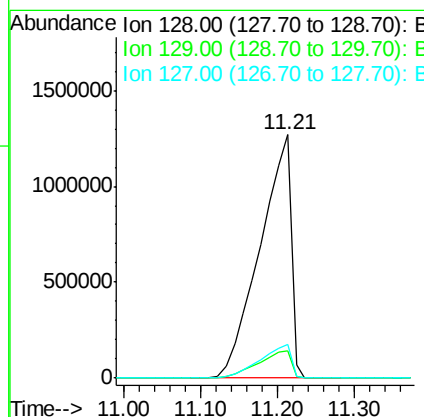
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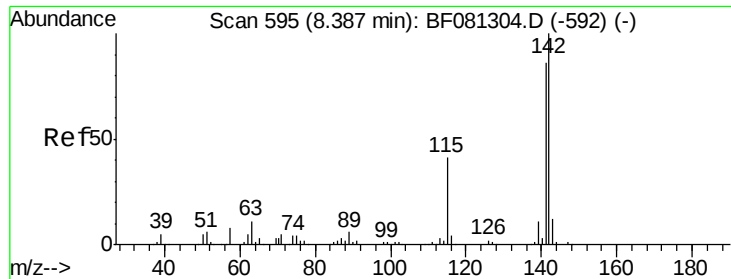
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#31
 Naphthalene
 Concen: 336.16 ng
 RT: 11.21 min Scan# 864
 Delta R.T. 0.05 min
 Lab File: BF081635.D
 Acq: 15 Sep 2015 18:35

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.4	12.6
127	13.7	9.9	14.9





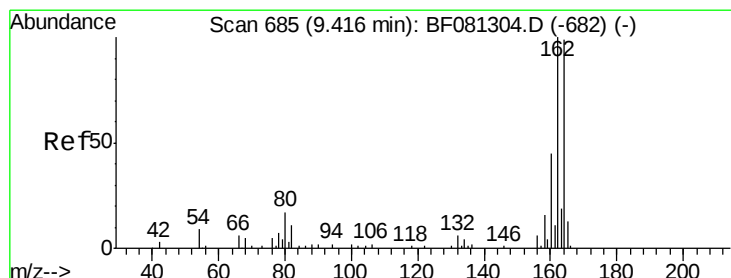
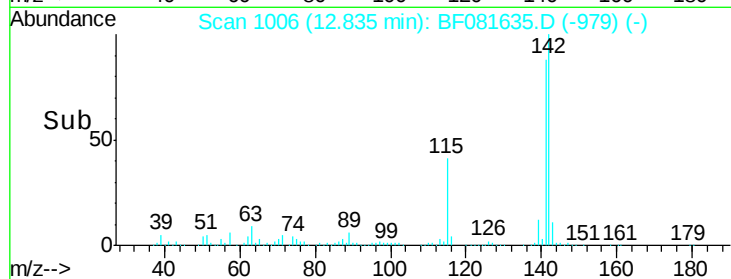
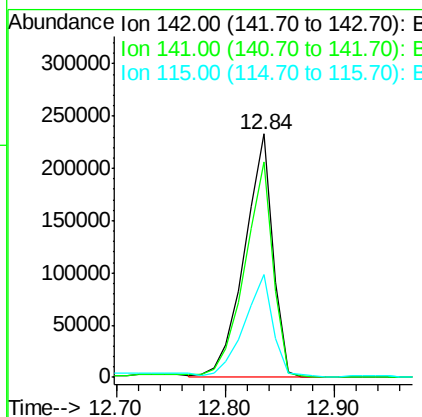
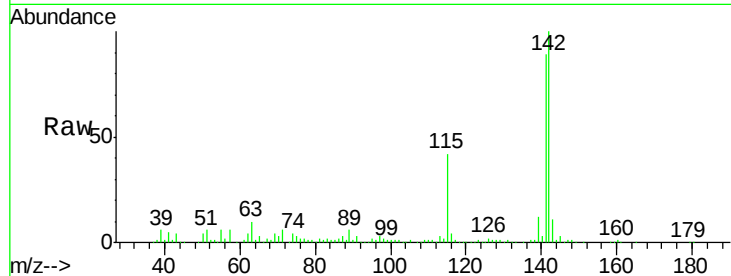
#37
 2-Methylnaphthalene
 Concen: 61.88 ng
 RT: 12.84 min Scan# 1006
 Delta R.T. 0.01 min
 Lab File: BF081635.D
 Acq: 15 Sep 2015 18:35

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-CLARKST-ESMI-2RE

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.6	67.5	101.3
115	42.4	18.2	27.2

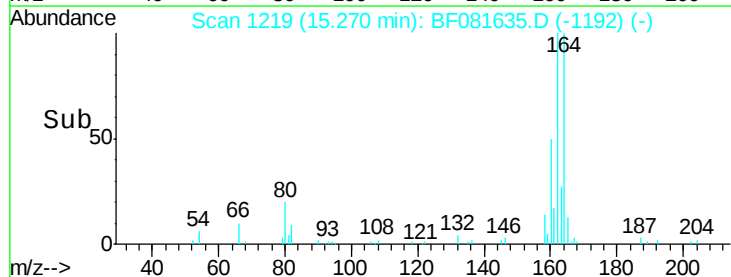
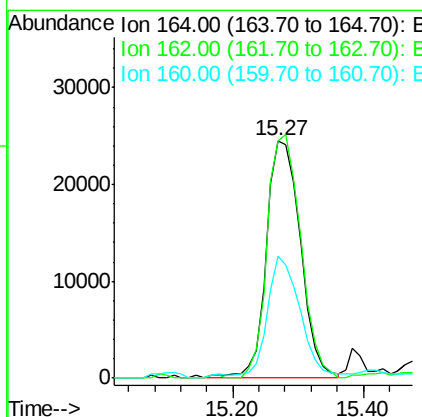
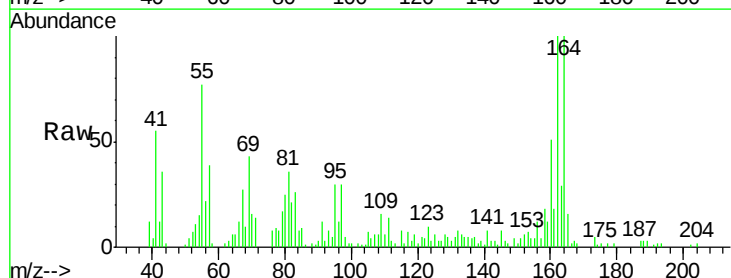
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.27 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: BF081635.D
 Acq: 15 Sep 2015 18:35

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.2	75.2	112.8
160	51.2	31.5	47.3





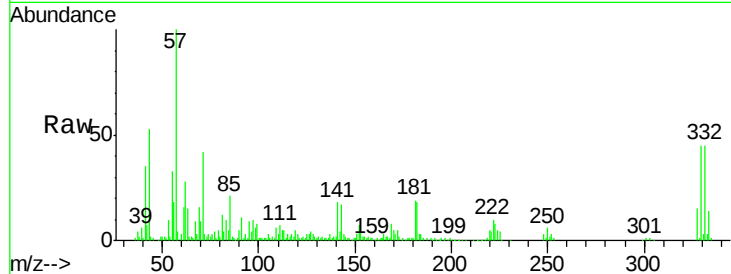
#41
 2,4,6-Tribromophenol
 Concen: 142.91 ng
 RT: 17.19 min Scan# 1387
 Delta R.T. 0.02 min
 Lab File: BF081635.D
 Acq: 15 Sep 2015 18:35

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-CLARKST-ESMI-2RE

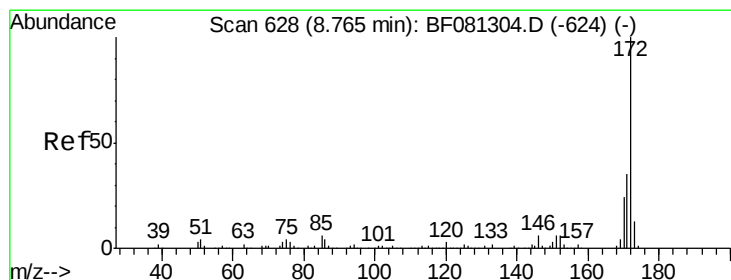
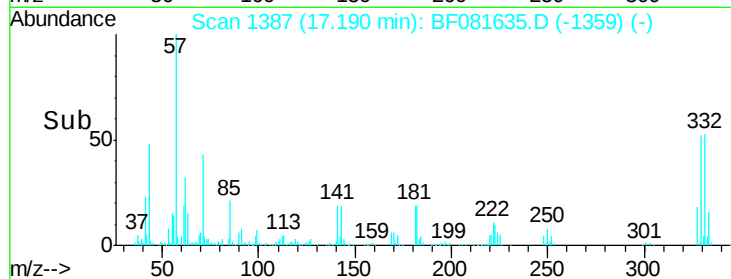
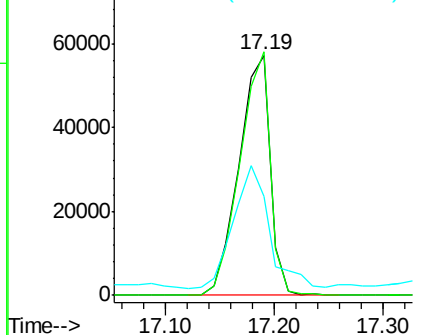
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	114215		
332	98.1	76.6	114.8	
141	58.1	29.7	44.5#	

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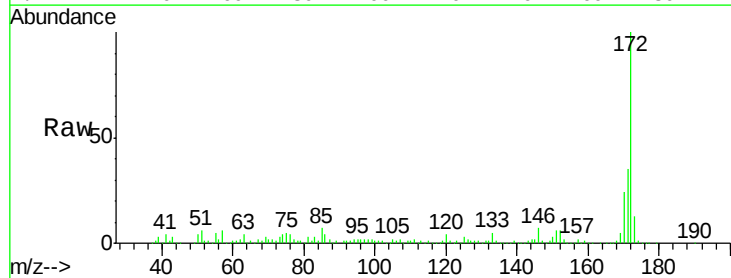


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

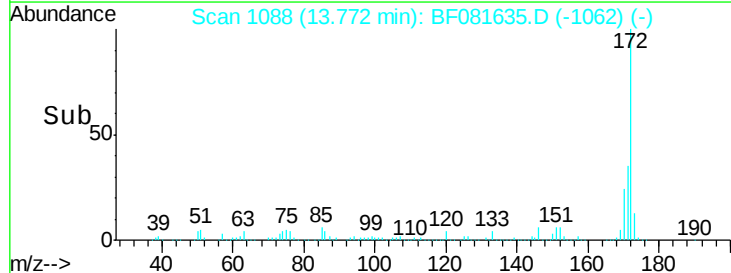
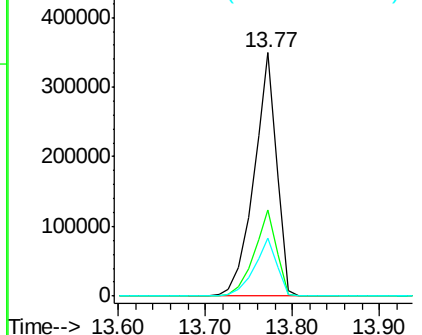


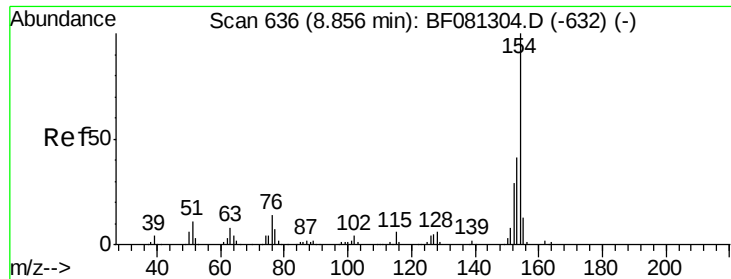
#44
 2-Fluorobiphenyl
 Concen: 90.37 ng
 RT: 13.77 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: BF081635.D
 Acq: 15 Sep 2015 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	632987		
171	35.5	26.1	39.1	
170	23.6	17.4	26.2	



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





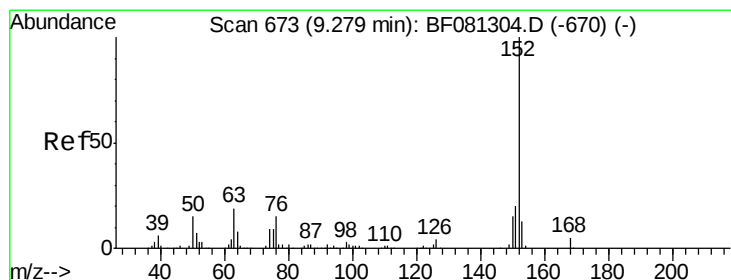
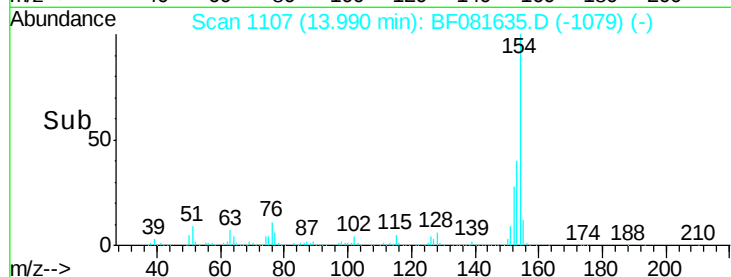
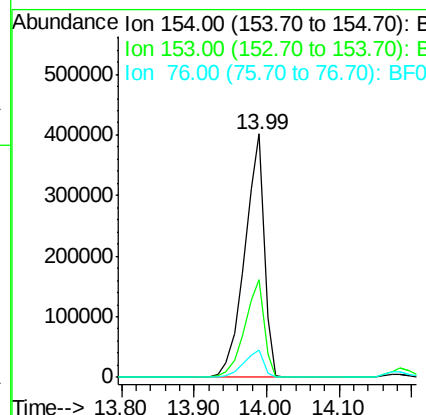
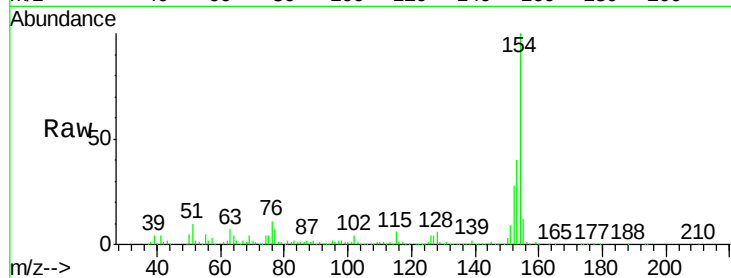
#45
 1,1'-Biphenyl
 Concen: 90.72 ng
 RT: 13.99 min Scan# 1107
 Delta R.T. 0.02 min
 Lab File: BF081635.D
 Acq: 15 Sep 2015 18:35

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 BNA_F
 ClientSampleId :
 NYSEG-CLARKST-ESMI-2RE

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	749156		
153	40.0	17.1	57.1	
76	11.4	0.0	31.6	

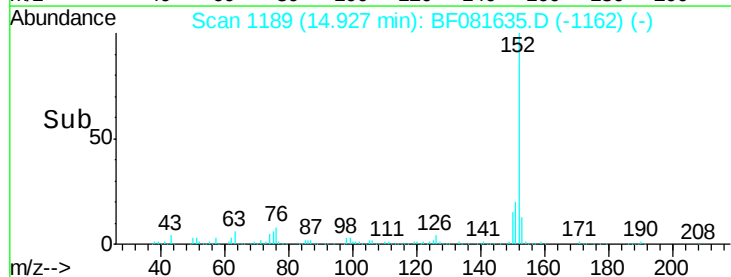
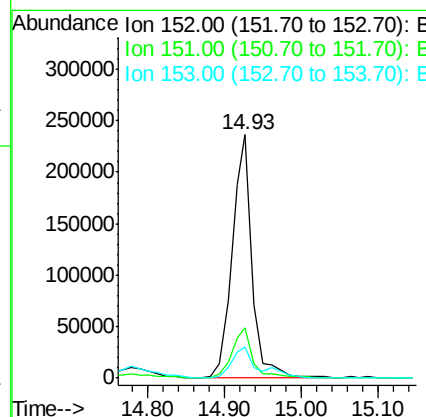
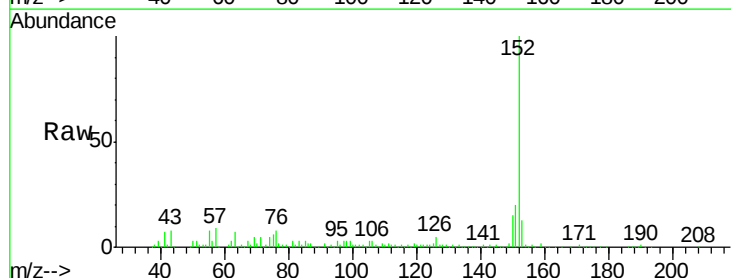
Manual Integrations
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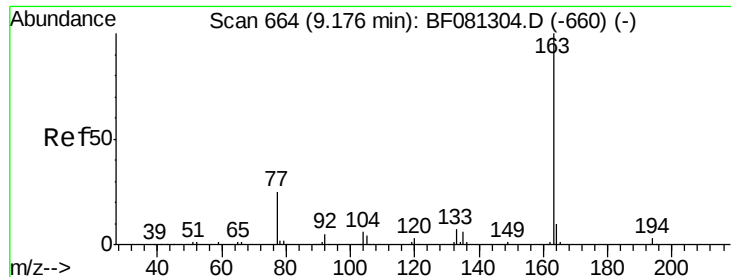
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#48
 Acenaphthylene
 Concen: 40.44 ng
 RT: 14.93 min Scan# 1189
 Delta R.T. 0.01 min
 Lab File: BF081635.D
 Acq: 15 Sep 2015 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	427875		
151	20.4	14.6	22.0	
153	12.9	10.3	15.5	





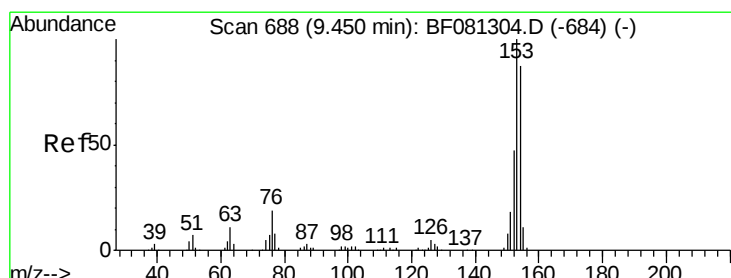
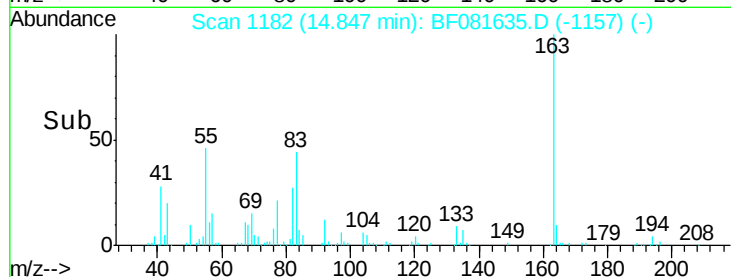
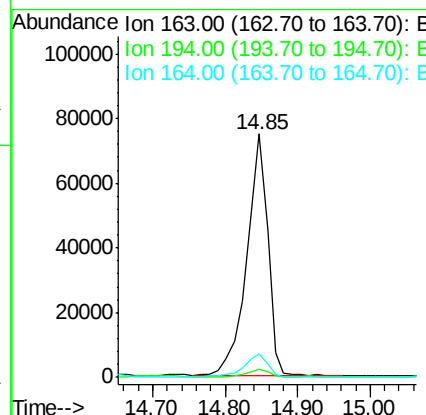
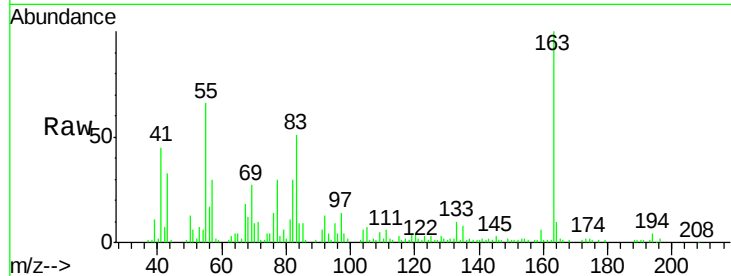
#49
Dimethylphthalate
Concen: 21.40 ng
RT: 14.85 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BF081635.D
Acq: 15 Sep 2015 18:35

Instrument :
BNA_F
ClientSampleId :
NYSEG-CLARKST-ESMI-2RE

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	149238		
194	3.5	4.4	6.6#	
164	9.9	8.3	12.5	

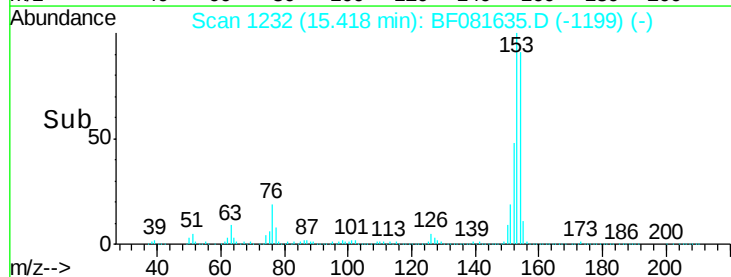
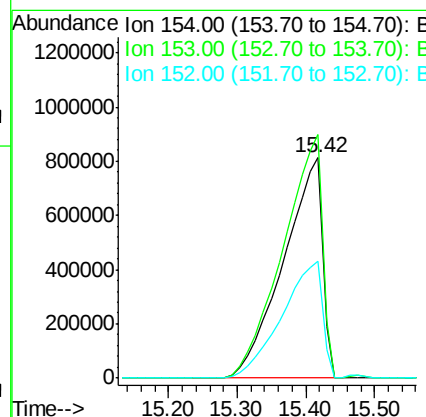
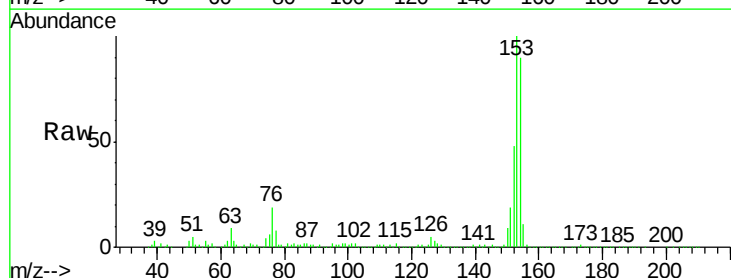
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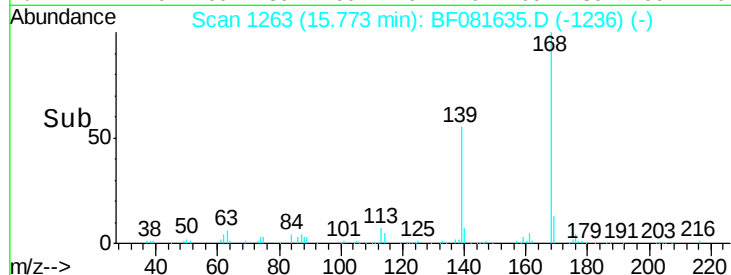
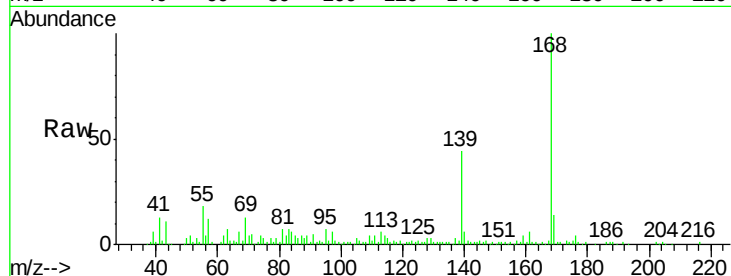
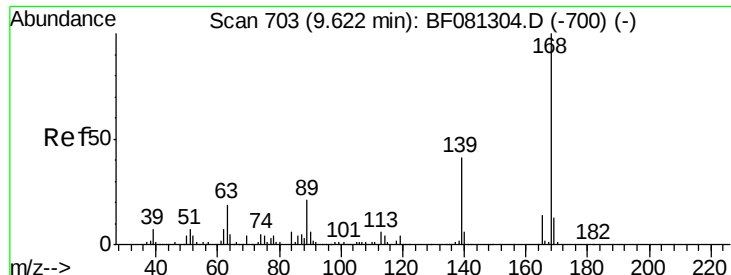
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#51
Acenaphthene
Concen: 529.20 ng
RT: 15.42 min Scan# 1232
Delta R.T. 0.08 min
Lab File: BF081635.D
Acq: 15 Sep 2015 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	3185080		
153	110.5	82.1	123.1	
152	53.0	37.9	56.9	





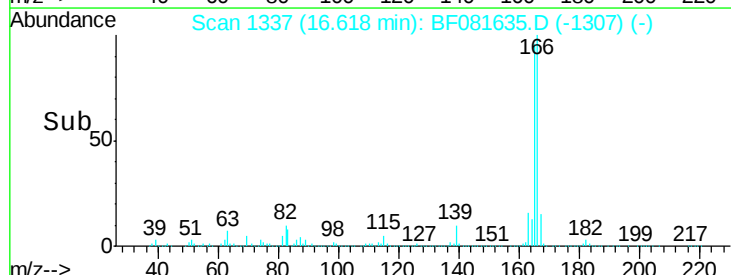
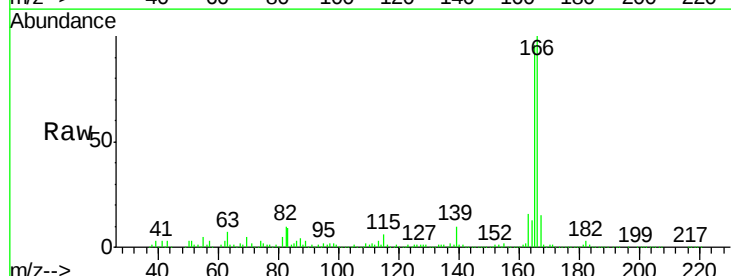
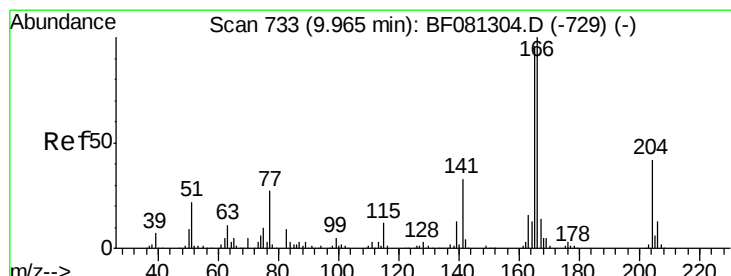
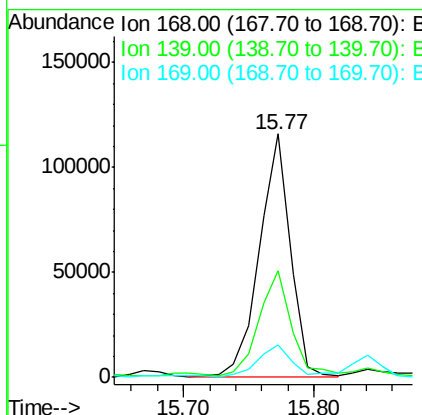
#54
Dibenzofuran
Concen: 21.72 ng
RT: 15.77 min Scan# 1263
Delta R.T. 0.01 min
Lab File: BF081635.D
Acq: 15 Sep 2015 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	190885		
139	43.7	24.2	36.2#	
169	13.5	10.6	15.8	

Instrument :
BNA_F
ClientSampleId :
NYSEG-CLARKST-ESMI-2RE

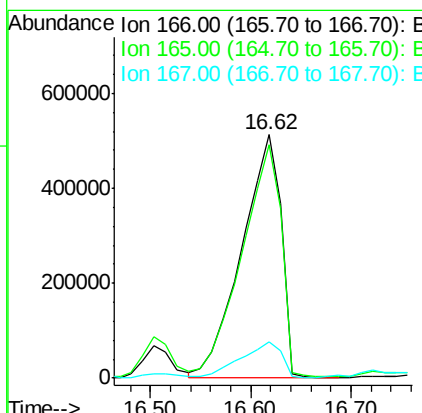
Manual Integrations
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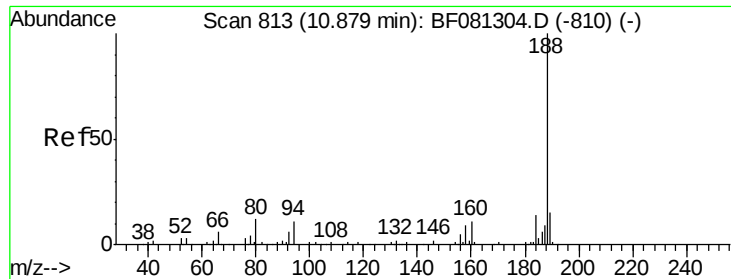
MMDadoda
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#57
Fluorene
Concen: 207.53 ng
RT: 16.62 min Scan# 1337
Delta R.T. 0.05 min
Lab File: BF081635.D
Acq: 15 Sep 2015 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	1384077		
165	95.8	72.6	109.0	
167	15.1	10.6	16.0	





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 18.80 min Scan# 1528

Delta R.T. 0.05 min

Lab File: BF081635.D

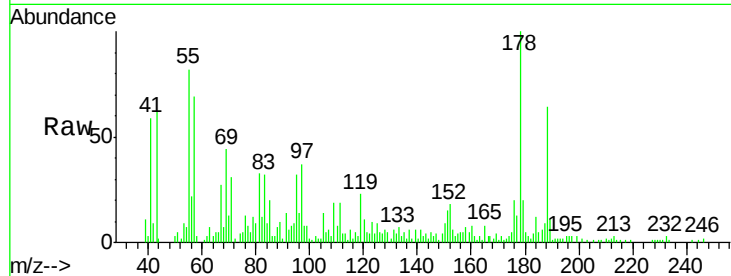
Acq: 15 Sep 2015 18:35

Instrument :

BNA_F

ClientSampleId :

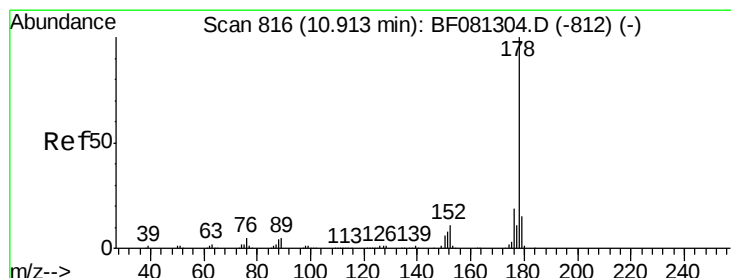
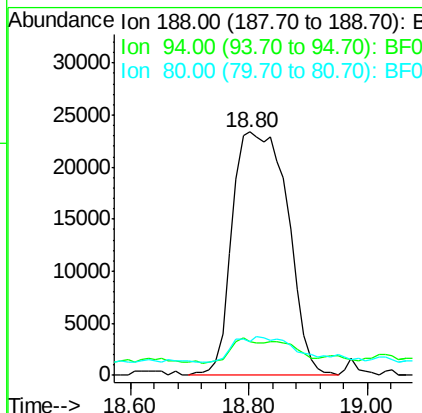
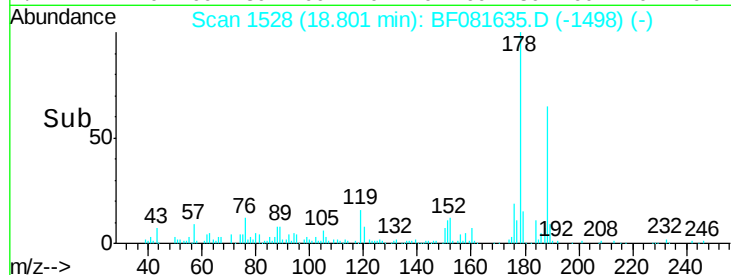
NYSEG-CLARKST-ESMI-2RE



Tgt Ion	Ratio	Resp	Lower	Upper
188	100	151032		
94	13.8	11.1	16.7	
80	14.0	11.0	16.4	

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#70

Phenanthrene

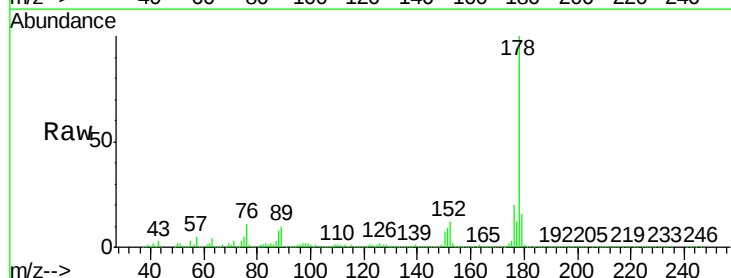
Concen: 815.44 ng

RT: 18.95 min Scan# 1541

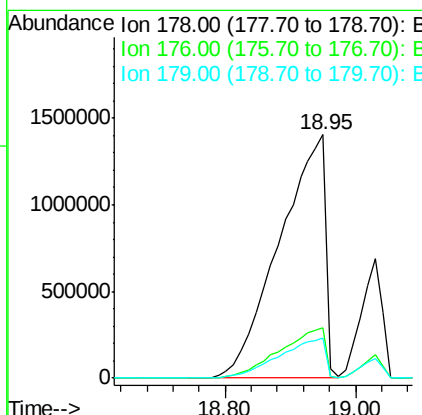
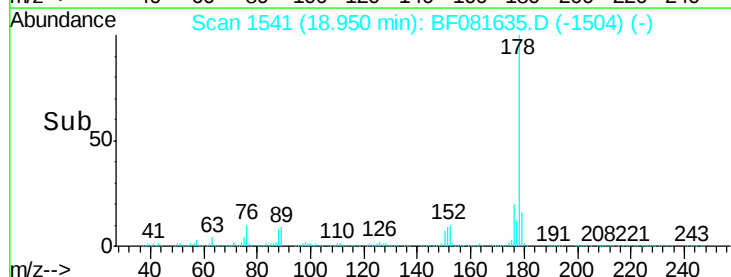
Delta R.T. 0.13 min

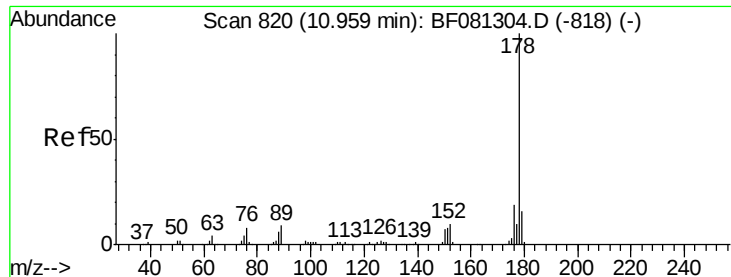
Lab File: BF081635.D

Acq: 15 Sep 2015 18:35



Tgt Ion	Ratio	Resp	Lower	Upper
178	100	6846853		
176	20.5	13.8	20.8	
179	16.4	12.2	18.2	





#71

Anthracene

Concen: 172.60 ng

RT: 19.03 min Scan# 1548

Delta R.T. 0.08 min

Lab File: BF081635.D

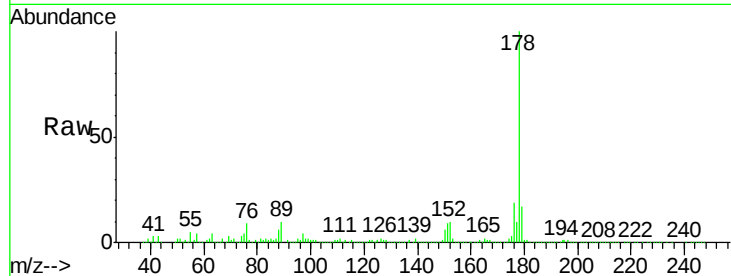
Acq: 15 Sep 2015 18:35

Instrument :

BNA_F

ClientSampleId :

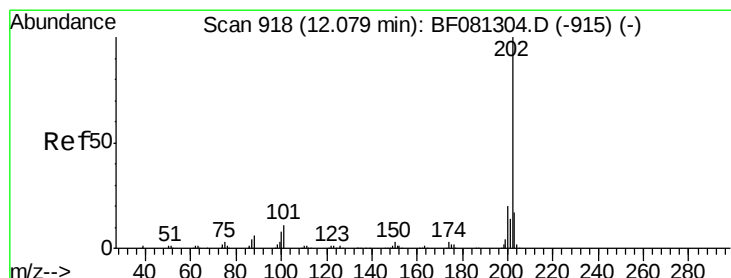
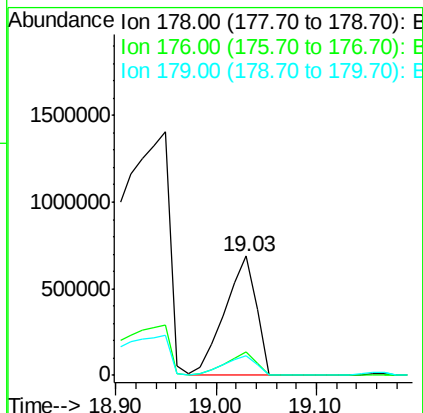
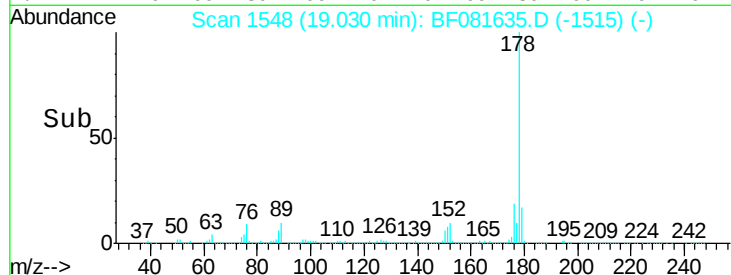
NYSEG-CLARKST-ESMI-2RE



Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	14.1	21.1
179	16.8	12.2	18.2

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#74

Fluoranthene

Concen: 299.50 ng

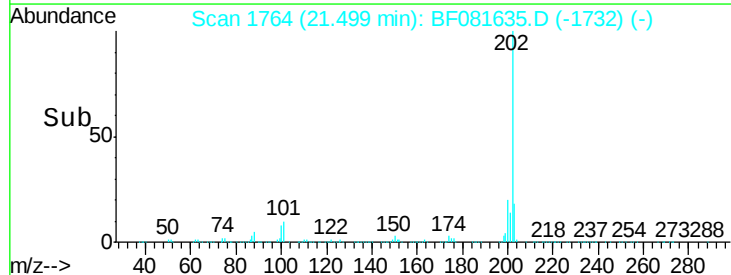
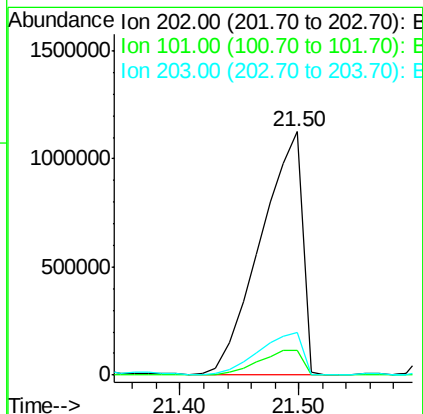
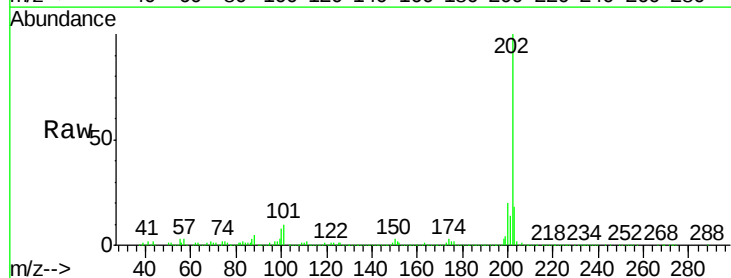
RT: 21.50 min Scan# 1764

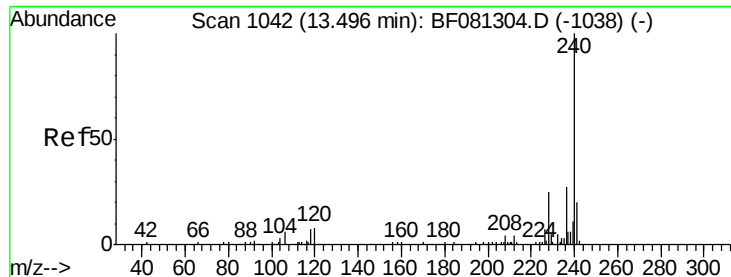
Delta R.T. 0.07 min

Lab File: BF081635.D

Acq: 15 Sep 2015 18:35

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	38.3
203	17.7	0.0	37.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 23.41 min Scan# 1931

Delta R.T. 0.02 min

Lab File: BF081635.D

Acq: 15 Sep 2015 18:35

Instrument :

BNA_F

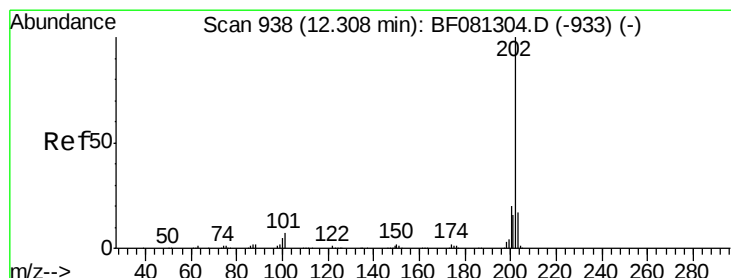
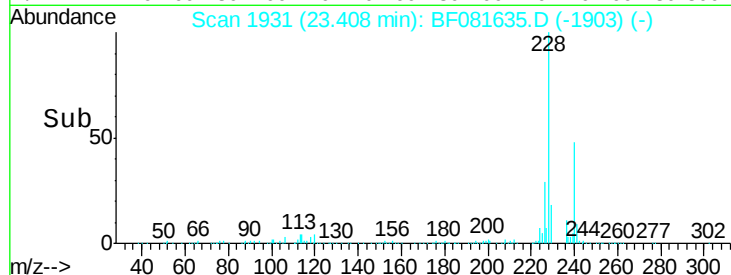
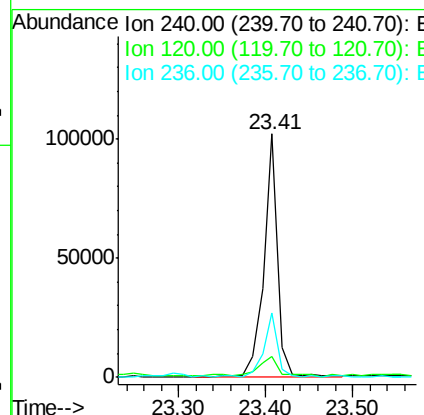
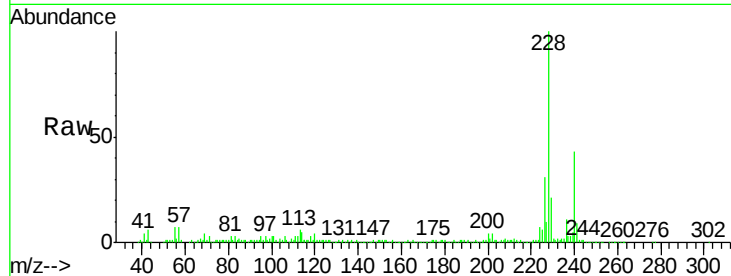
ClientSampleId :

NYSEG-CLARKST-ESMI-2RE

Tgt Ion:	240	Resp:	115605
Ion Ratio	Lower	Upper	
240	100		
120	8.7	16.2	24.2#
236	26.2	18.4	27.6

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#77

Pyrene

Concen: 403.16 ng

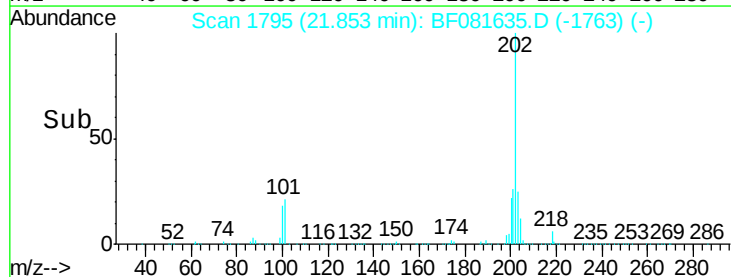
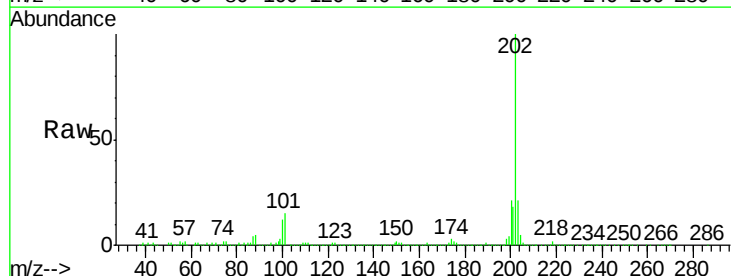
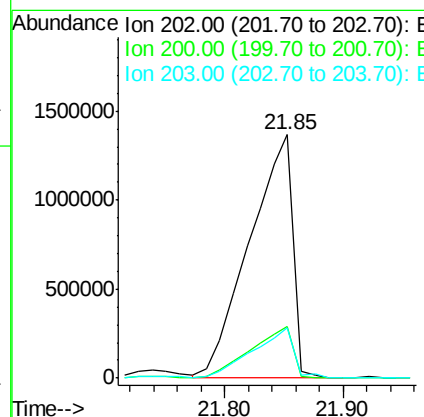
RT: 21.85 min Scan# 1795

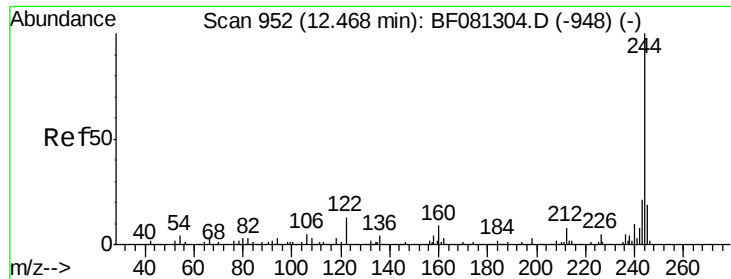
Delta R.T. 0.07 min

Lab File: BF081635.D

Acq: 15 Sep 2015 18:35

Tgt Ion:	202	Resp:	3452378
Ion Ratio	Lower	Upper	
202	100		
200	21.1	15.0	22.4
203	20.5	14.1	21.1





#78

Terphenyl-d14

Concen: 80.30 ng

RT: 22.13 min Scan# 1819

Delta R.T. 0.01 min

Lab File: BF081635.D

Acq: 15 Sep 2015 18:35

Instrument :

BNA_F

ClientSampleId :

NYSEG-CLARKST-ESMI-2RE

Tgt Ion:244 Resp: 398780

Ion Ratio Lower Upper

244 100

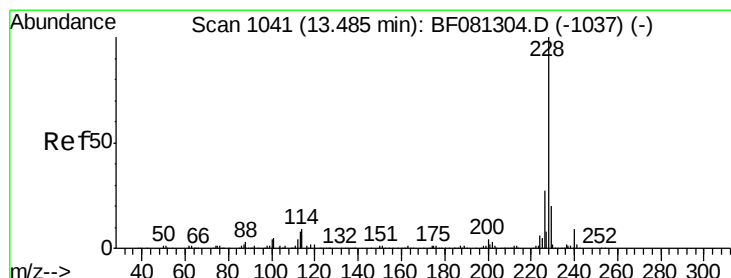
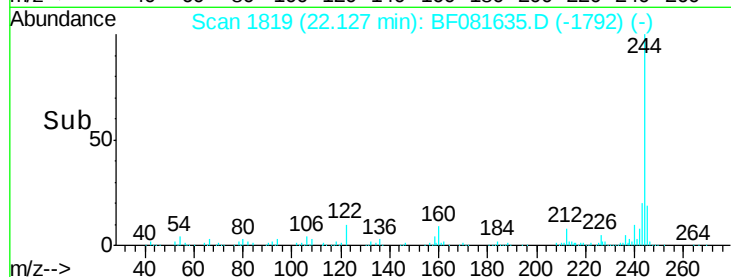
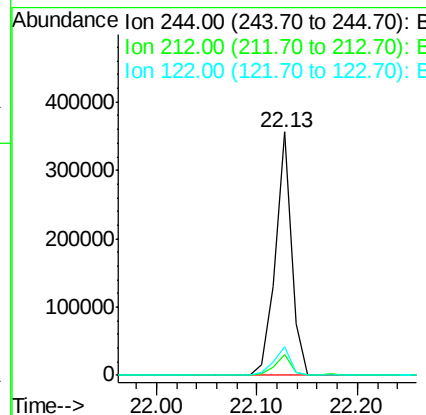
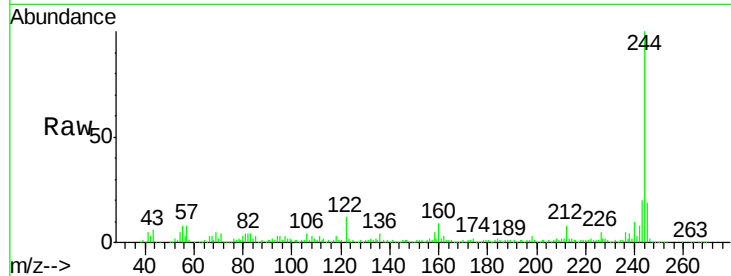
212 8.4 4.3 6.5#

122 11.7 17.4 26.2#

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#80

Benzo(a)anthracene

Concen: 124.92 ng

RT: 23.40 min Scan# 1930

Delta R.T. 0.02 min

Lab File: BF081635.D

Acq: 15 Sep 2015 18:35

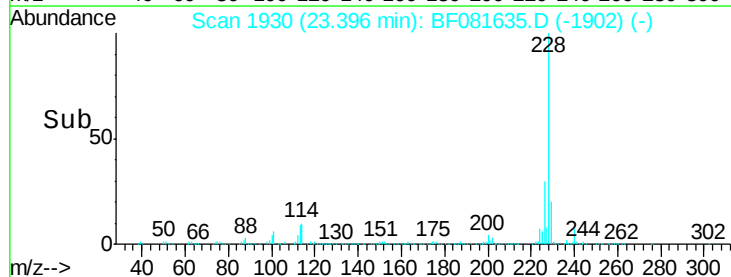
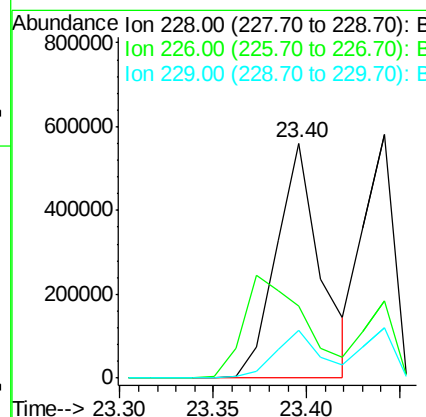
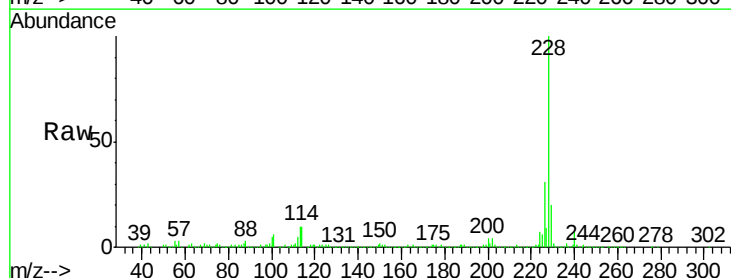
Tgt Ion:228 Resp: 919699

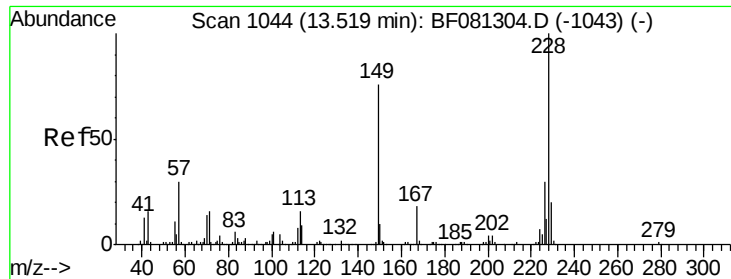
Ion Ratio Lower Upper

228 100

226 30.7 20.0 30.0#

229 20.5 15.4 23.2





#82

Chrysene

Concen: 99.10 ng m

RT: 23.44 min Scan# 1934

Delta R.T. 0.02 min

Lab File: BF081635.D

Acq: 15 Sep 2015 18:35

Instrument :

BNA_F

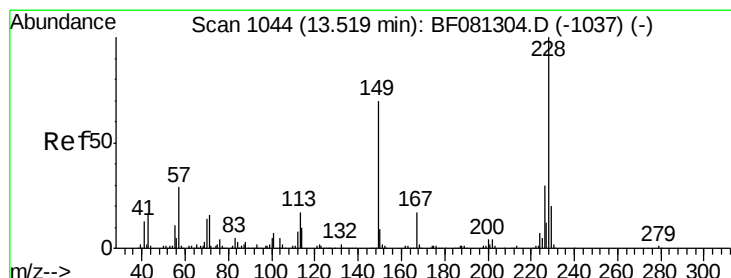
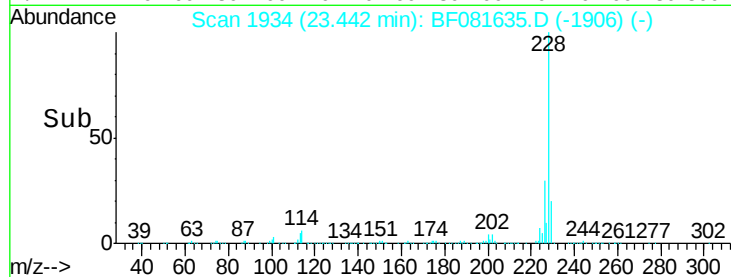
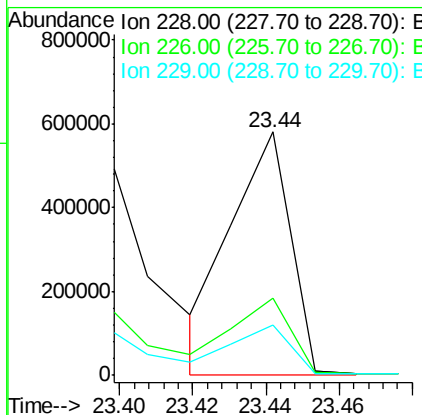
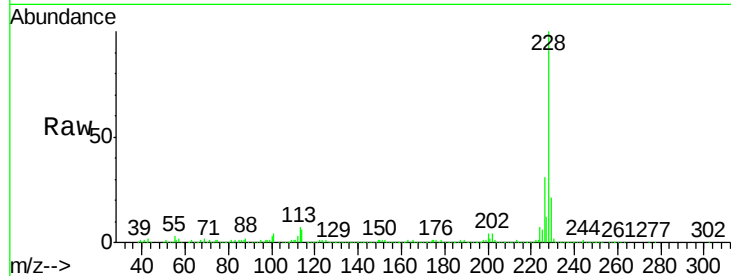
ClientSampleId :

NYSEG-CLARKST-ESMI-2RE

Tgt Ion:	228	Resp:	654036
Ion Ratio		Lower	Upper
228	100		
226	31.5	21.0	31.4#
229	20.6	15.6	23.4

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#83

Bis(2-ethylhexyl)phthalate

Concen: 3.08 ng

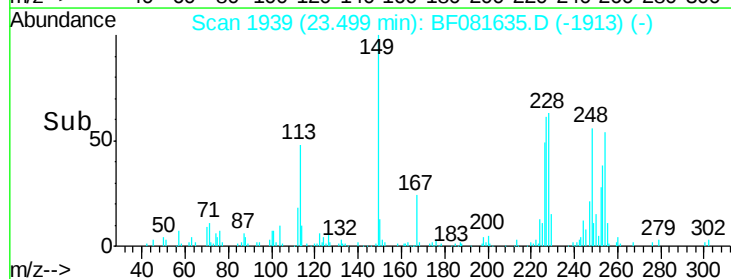
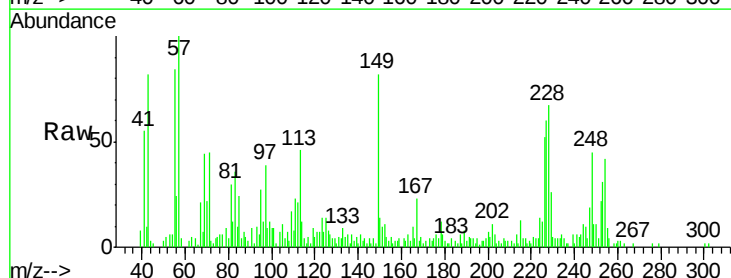
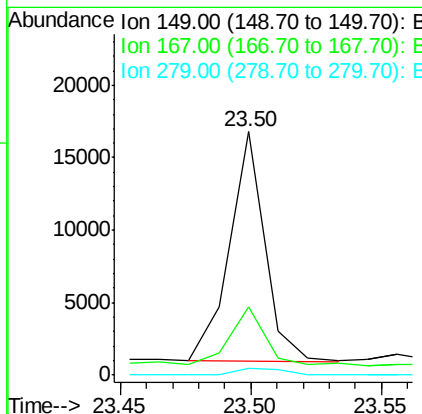
RT: 23.50 min Scan# 1939

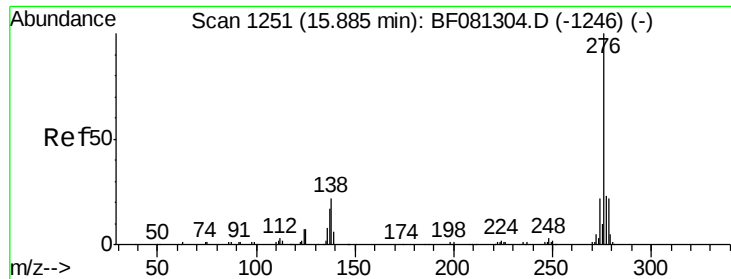
Delta R.T. -0.00 min

Lab File: BF081635.D

Acq: 15 Sep 2015 18:35

Tgt Ion:	149	Resp:	15139
Ion Ratio		Lower	Upper
149	100		
167	28.0	24.2	36.2
279	3.0	3.8	5.6#





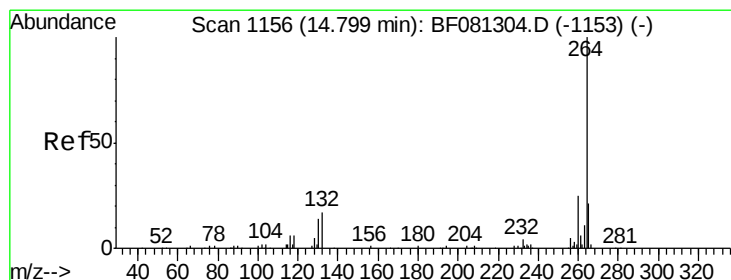
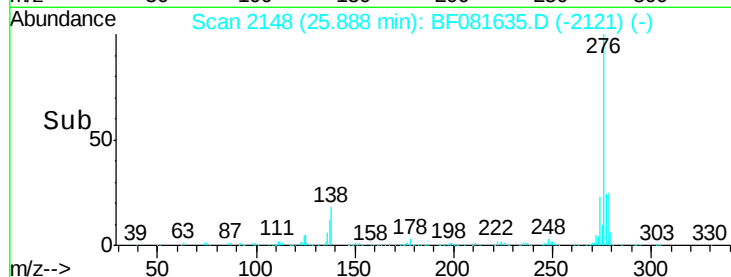
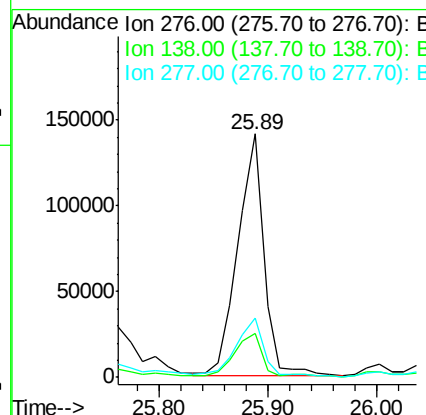
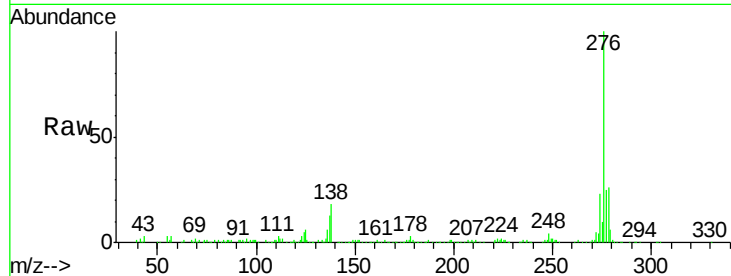
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 47.90 ng
 RT: 25.89 min Scan# 2148
 Delta R.T. 0.01 min
 Lab File: BF081635.D
 Acq: 15 Sep 2015 18:35

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-CLARKST-ESMI-2RE

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.2	25.7	38.5#
277	25.7	15.6	23.4#

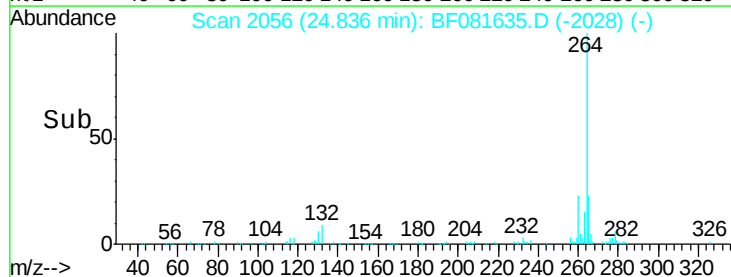
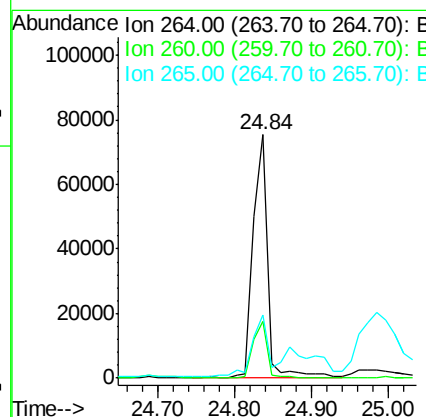
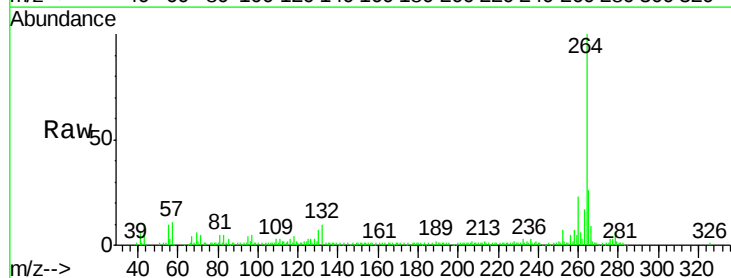
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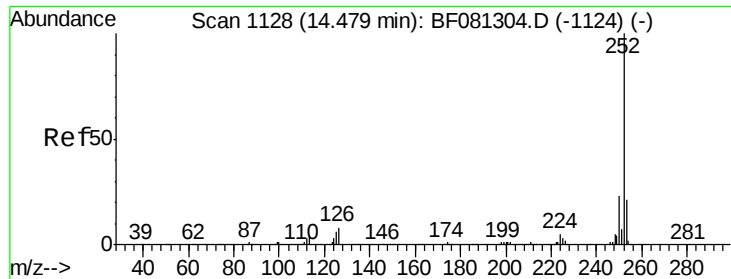
MMDadoda
 9/16/2015 1:47:07 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 24.84 min Scan# 2056
 Delta R.T. 0.02 min
 Lab File: BF081635.D
 Acq: 15 Sep 2015 18:35

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	16.7	25.1
265	25.7	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 84.61 ng m

RT: 24.50 min Scan# 2027

Delta R.T. 0.02 min

Lab File: BF081635.D

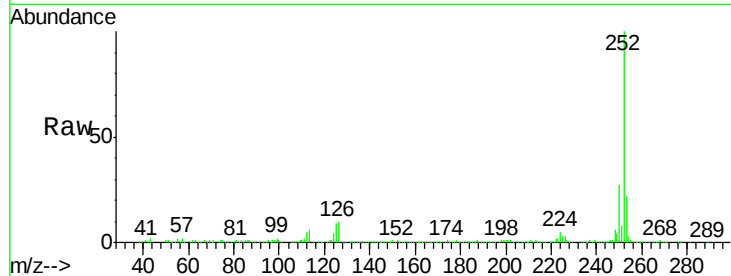
Acq: 15 Sep 2015 18:35

Instrument :

BNA_F

ClientSampleId :

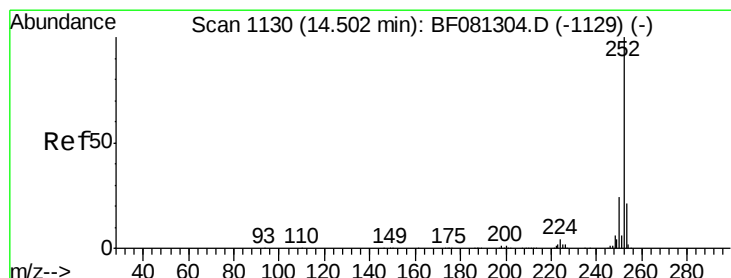
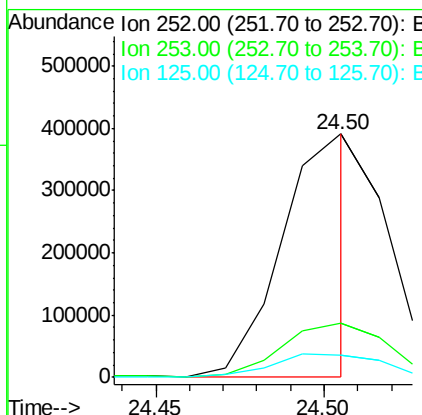
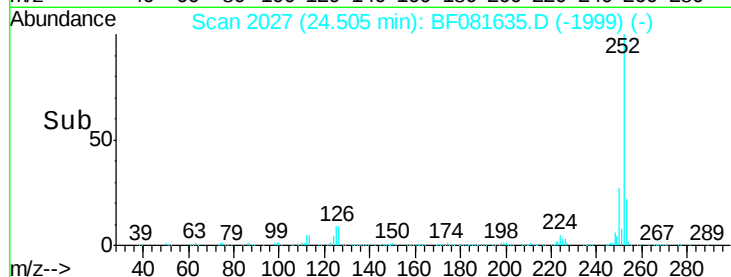
NYSEG-CLARKST-ESMI-2RE



Tgt Ion	Ratio	Resp	Lower	Upper
252	100	591285		
253	22.4	17.5	26.3	
125	9.3	17.1	25.7#	

Manual Integrations
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#88

Benzo(k)fluoranthene

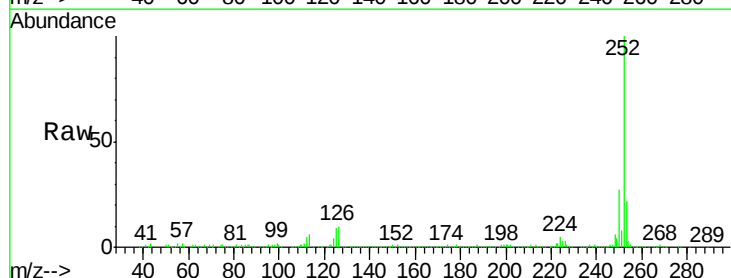
Concen: 42.69 ng m

RT: 24.50 min Scan# 2027

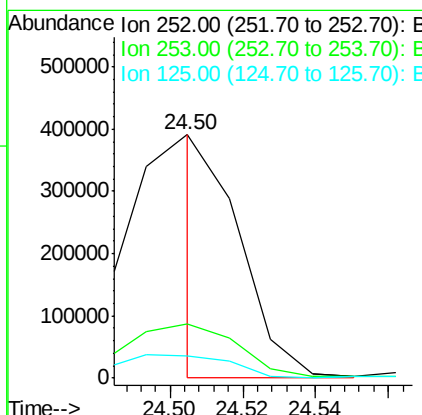
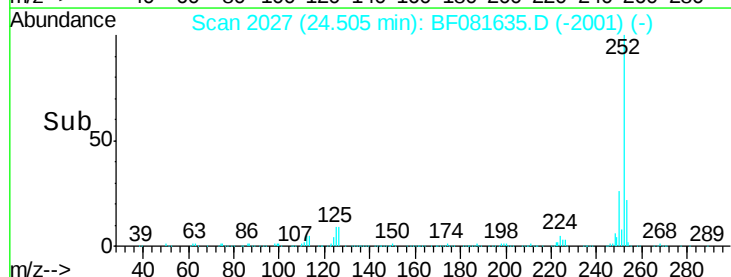
Delta R.T. -0.00 min

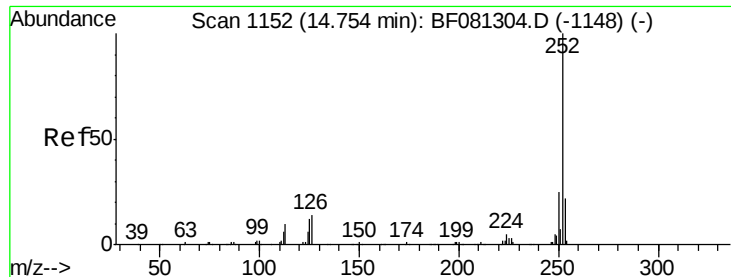
Lab File: BF081635.D

Acq: 15 Sep 2015 18:35



Tgt Ion	Ratio	Resp	Lower	Upper
252	100	247526		
253	22.4	17.0	25.4	
125	9.3	16.0	24.0#	





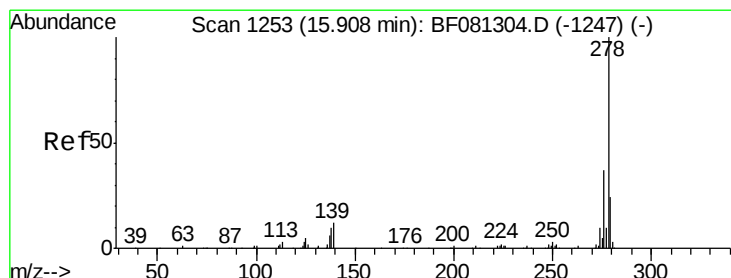
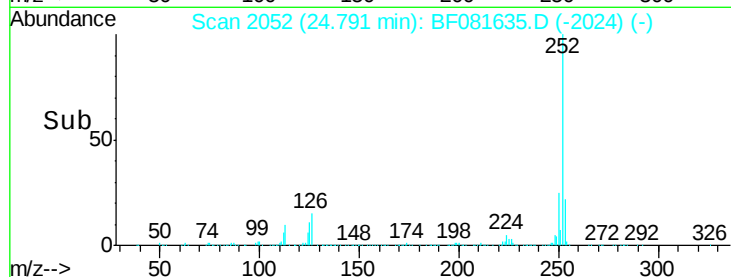
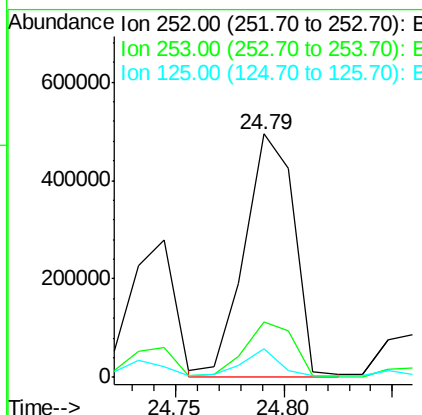
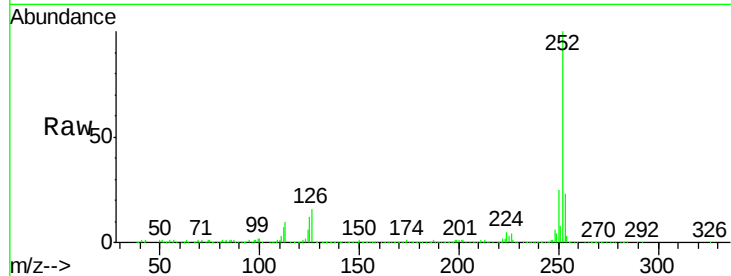
#89
Benzo(a)pyrene
Concen: 131.92 ng
RT: 24.79 min Scan# 2052
Delta R.T. 0.02 min
Lab File: BF081635.D
Acq: 15 Sep 2015 18:35

Instrument :
BNA_F
ClientSampleId :
NYSEG-CLARKST-ESMI-2RE

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.2	25.8
125	11.8	18.0	27.0#

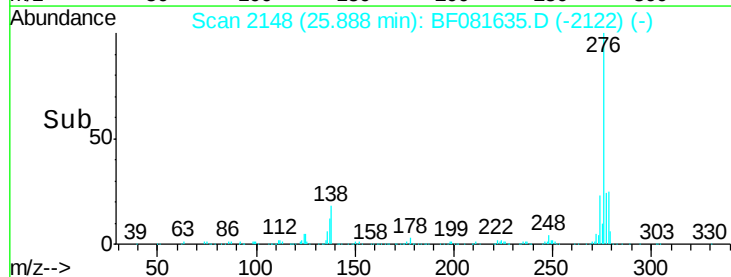
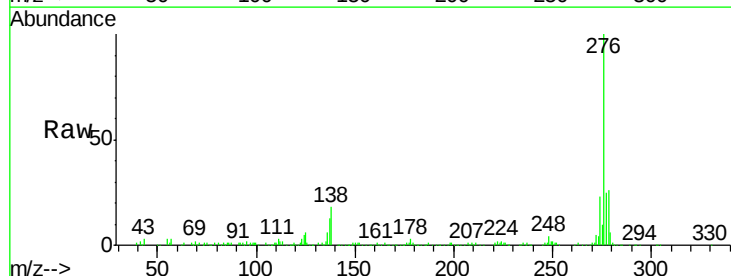
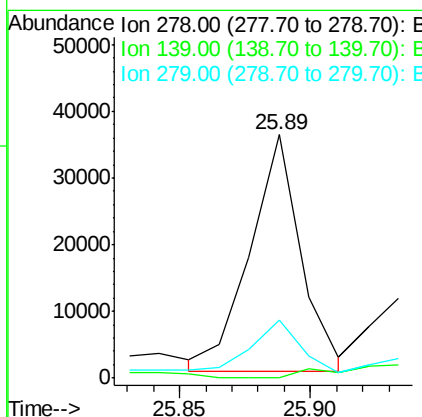
Manual Integrations
APPROVED

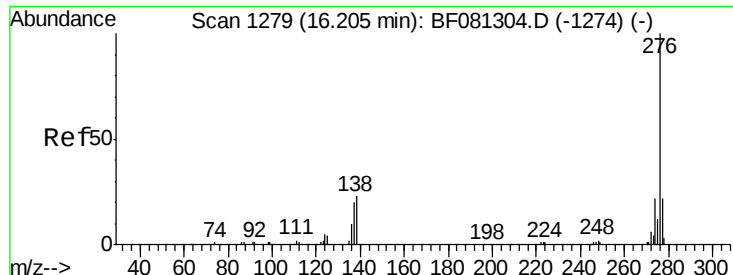
MMDadoda
9/16/2015 1:47:07 PM



#90
Dibenzo(a,h)anthracene
Concen: 10.40 ng m
RT: 25.89 min Scan# 2148
Delta R.T. 0.00 min
Lab File: BF081635.D
Acq: 15 Sep 2015 18:35

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	26.3	39.5#
279	23.6	18.2	27.4





#91
Benzo(g,h,i)perylene
Concen: 57.71 ng
RT: 26.20 min Scan# 2175
Delta R.T. 0.02 min
Lab File: BF081635.D
Acq: 15 Sep 2015 18:35

Instrument :
BNA_F
ClientSampleId :
NYSEG-CLARKST-ESMI-2RE

Tgt	Ion	276	Resp	252028
Ion	Ratio	Lower	Upper	
276	100			
277	23.8	17.8	26.6	
138	17.8	34.6	51.8	

Manual Integrations
APPROVED

MMDadoda
9/16/2015 1:47:07 PM

