

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051016\
 Data File : BF086890.D
 Acq On : 11 May 2016 9:30
 Operator : UM/SJ
 Sample : H2961-03 5X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-CLARK-ST-ESMI-5

Manual Integrations
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Quant Time: May 11 13:00:31 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 09 16:04:56 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	143939	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	538888	20.00	ng	-0.01
38) Acenaphthene-d10	9.72	164	220254	20.00	ng	-0.01
63) Phenanthrene-d10	11.20	188	346991	20.00	ng	-0.01
75) Chrysene-d12	13.83	240	285875	20.00	ng	-0.01
86) Perylene-d12	15.20	264	248043	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	256388	30.17	ng	-0.01
7) Phenol-d6	6.34	99	346385	30.49	ng	-0.02
23) Nitrobenzene-d5	7.25	82	216939	20.21	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	49936	21.42	ng	-0.01
44) 2-Fluorobiphenyl	9.05	172	374447	28.57	ng	-0.01
78) Terphenyl-d14	12.77	244	240590	17.86	ng	-0.02
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.78	142	74853	4.74	ng	94
45) 1,1'-Biphenyl	9.15	154	70631	4.03	ng	99
48) Acenaphthylene	9.58	152	45544	2.26	ng	# 93
49) Dimethylphthalate	9.45	163	34660	2.06	ng	99
51) Acenaphthene	9.76	154	259638	20.67	ng	97
57) Fluorene	10.26	166	196696	14.31	ng	97
70) Phenanthrene	11.22	178	680193	36.73	ng	100
71) Anthracene	11.28	178	197321	10.42	ng	98
74) Fluoranthene	12.41	202	242113	12.71	ng	91
77) Pyrene	12.63	202	358690	16.39	ng	99
80) Benzo(a)anthracene	13.81	228	132481	8.26	ng	# 77
82) Chrysene	13.85	228	72239m	4.43	ng	
87) Benzo(b)fluoranthene	14.82	252	55266m	3.43	ng	
89) Benzo(a)pyrene	15.14	252	69288m	4.98	ng	
91) Benzo(a,h,i)perylene	16.88	276	25411m	2.13	ng	

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

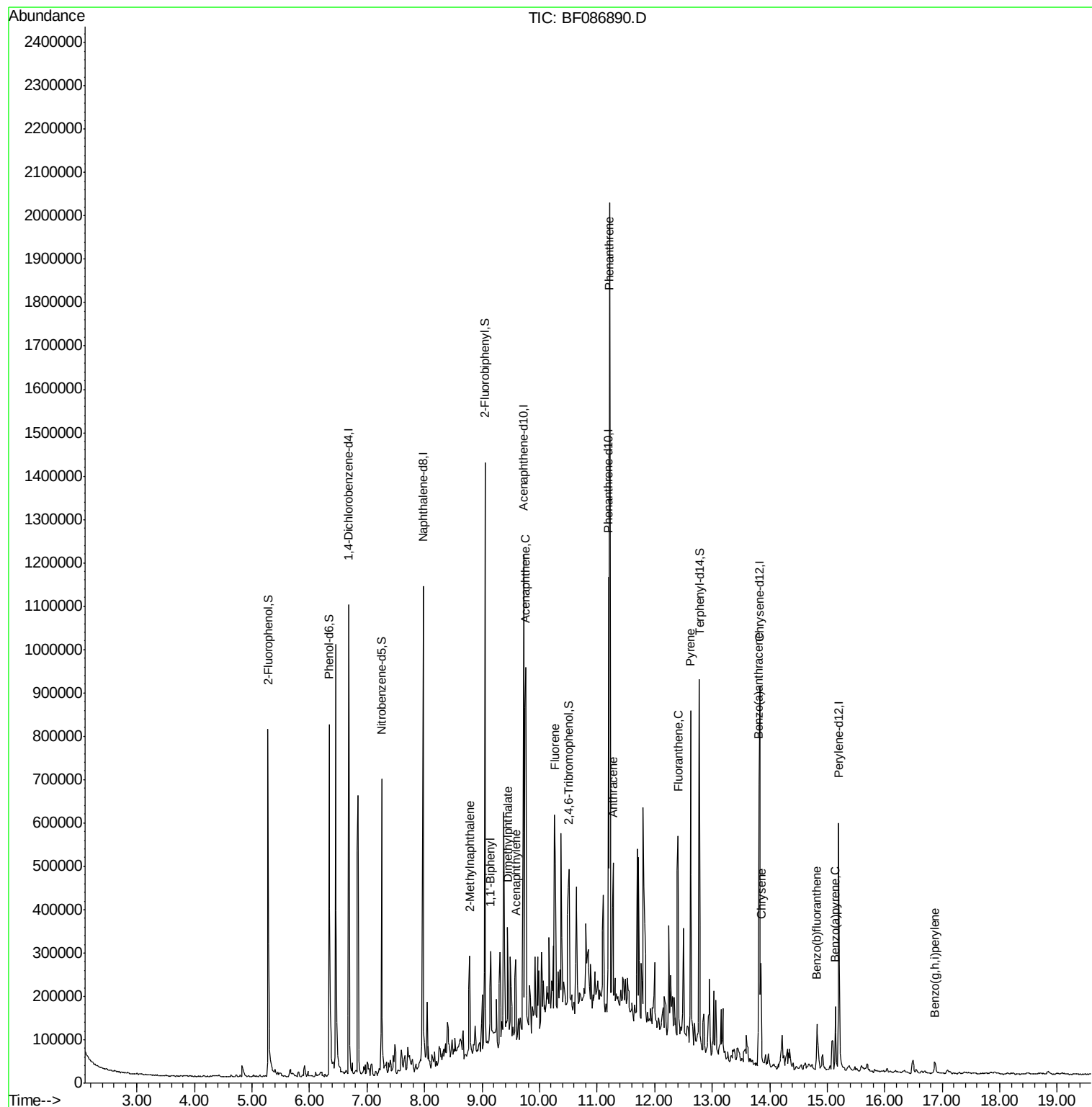
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051016\
Data File : BF086890.D
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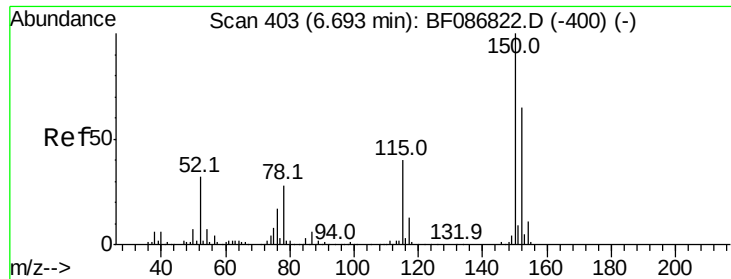
Instrument :
BNA_F
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NYSEG-CLARK-ST-ESMI-5

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Quant Time: May 11 13:00:31 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
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QLast Update : Mon May 09 16:04:56 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 402

Delta R.T. -0.01 min

Lab File: BF086890.D

Acq: 11 May 2016 9:30

Instrument :

BNA_F

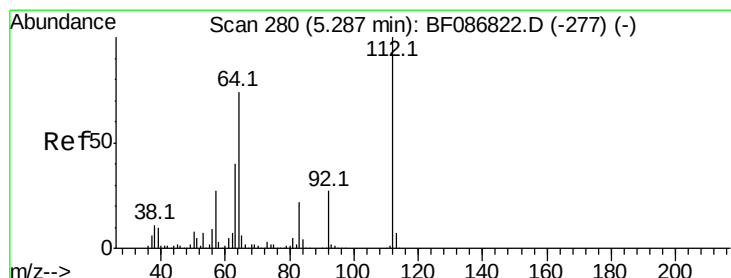
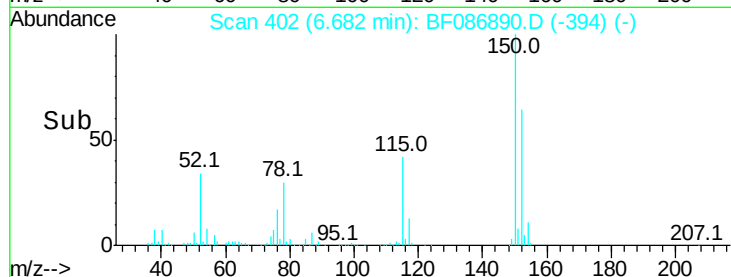
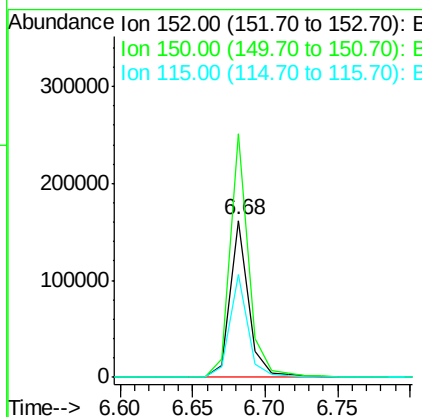
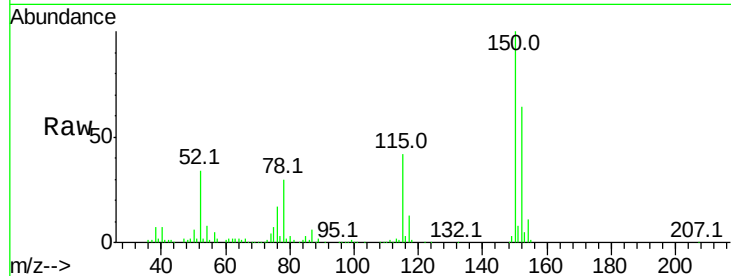
ClientSampleId :

NYSEG-CLARK-ST-ESMI-5

Tot Ion:	152	Resp:	143939
Ion Ratio	Lower	Upper	
152	100		
150	155.2	125.8	188.6
115	65.5	51.5	77.3

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#5

2-Fluorophenol

Concen: 30.17 ng

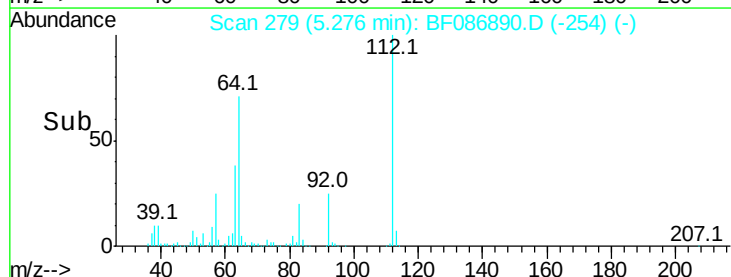
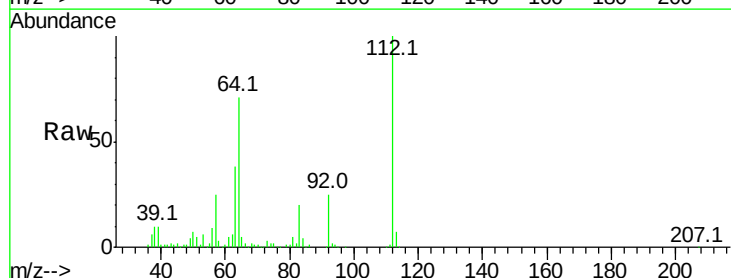
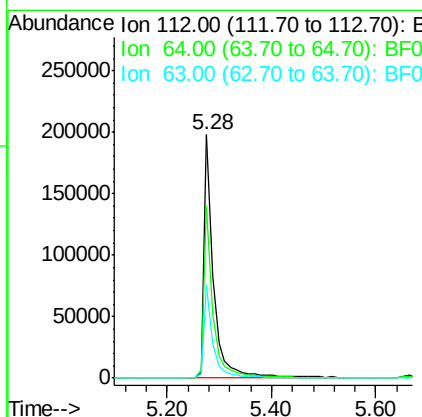
RT: 5.28 min Scan# 279

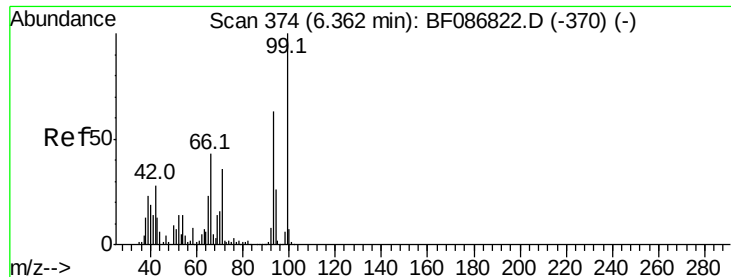
Delta R.T. -0.01 min

Lab File: BF086890.D

Acq: 11 May 2016 9:30

Tgt Ion:	112	Resp:	256388
Ion Ratio	Lower	Upper	
112	100		
64	70.5	52.1	78.1
63	37.9	25.7	38.5





#7

Phenol-d6

Concen: 30.49 ng

RT: 6.34 min Scan# 372

Delta R.T. -0.02 min

Lab File: BF086890.D

Acq: 11 May 2016 9:30

Instrument :

BNA_F

ClientSampleId :

NYSEG-CLARK-ST-ESMI-5

Tot Ion: 99 Resp: 346385

Ion Ratio Lower Upper

99 100

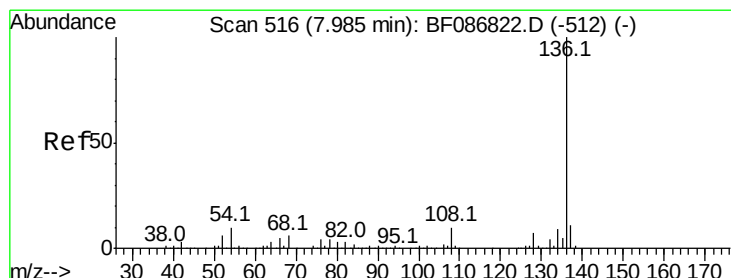
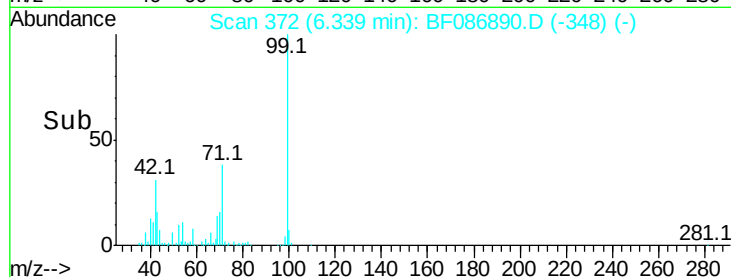
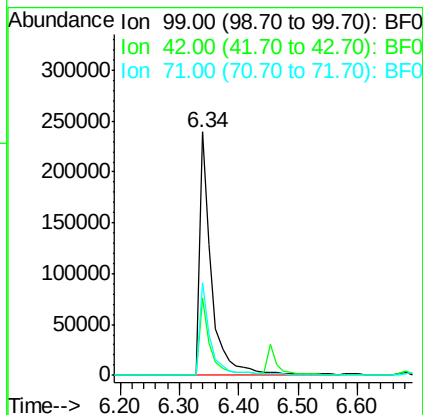
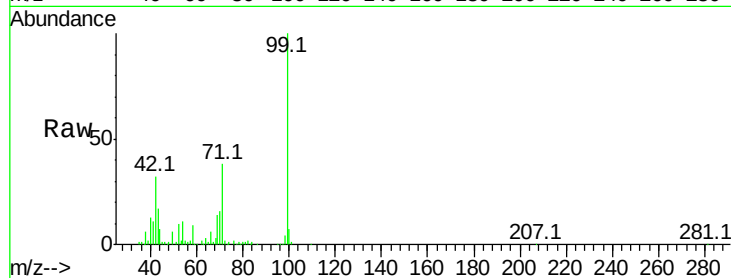
42 31.5 13.6 20.4#

71 38.0 24.6 36.8#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.97 min Scan# 515

Delta R.T. -0.01 min

Lab File: BF086890.D

Acq: 11 May 2016 9:30

Tgt Ion: 136 Resp: 538888

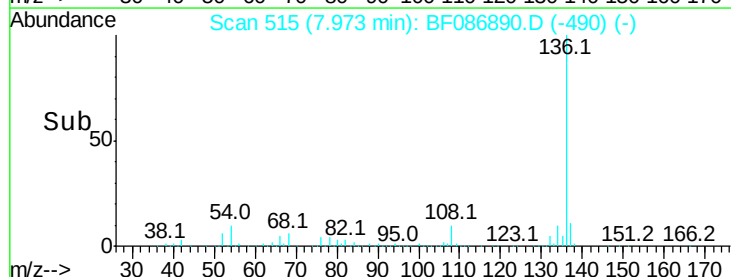
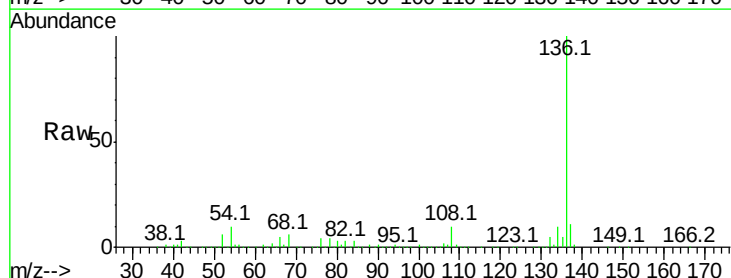
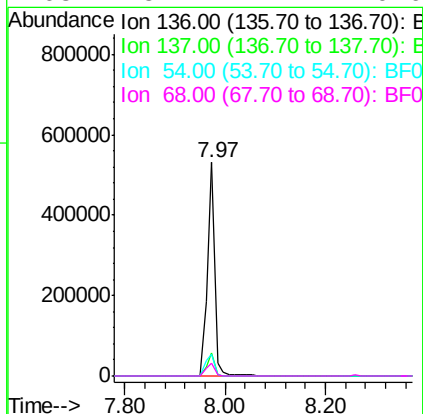
Ion Ratio Lower Upper

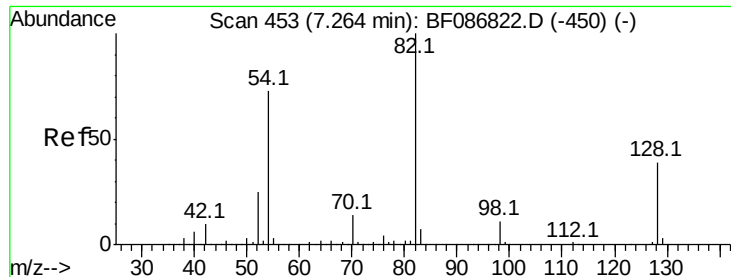
136 100

137 10.7 8.8 13.2

54 10.1 5.0 7.4#

68 5.7 4.4 6.6





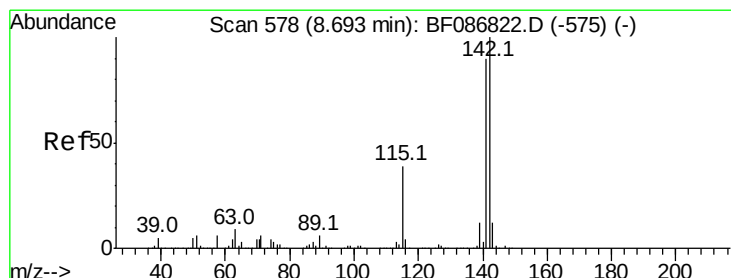
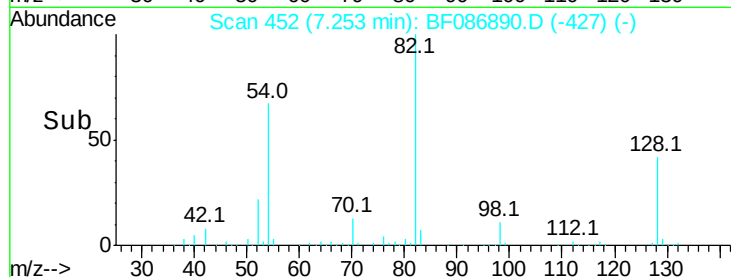
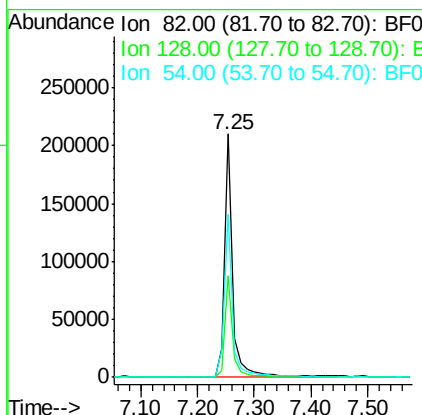
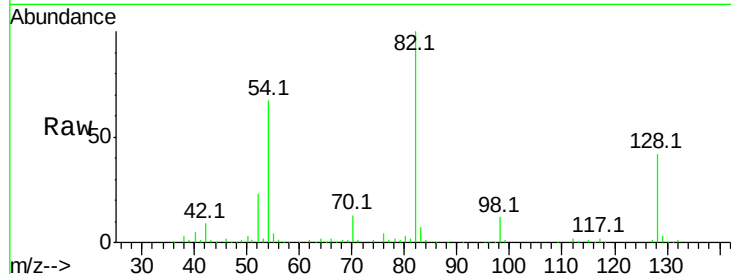
#23
 Nitrobenzene-d5
 Concen: 20.21 ng
 RT: 7.25 min Scan# 452
 Delta R.T. -0.01 min
 Lab File: BF086890.D
 Acq: 11 May 2016 9:30

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Resp Lower	Upper
82	100		
128	41.6	40.6	61.0
54	66.9	38.1	57.1#

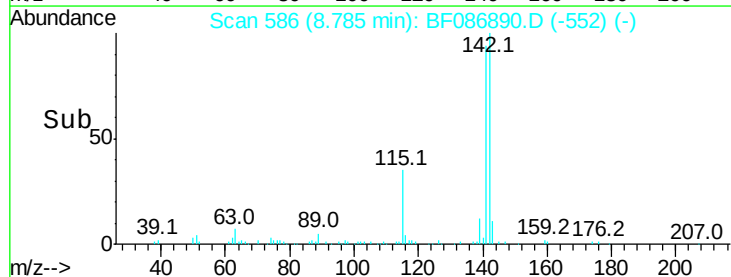
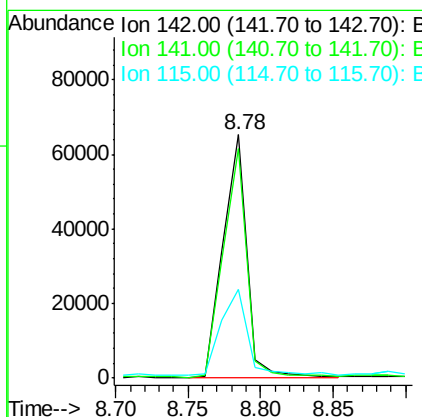
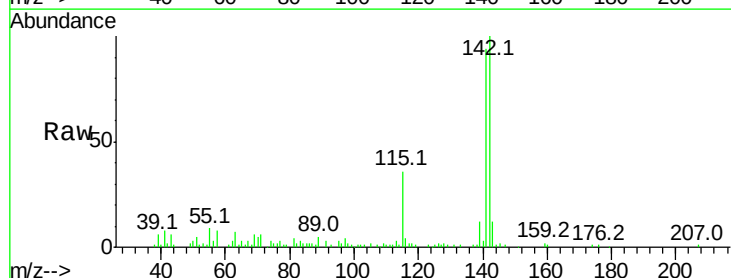
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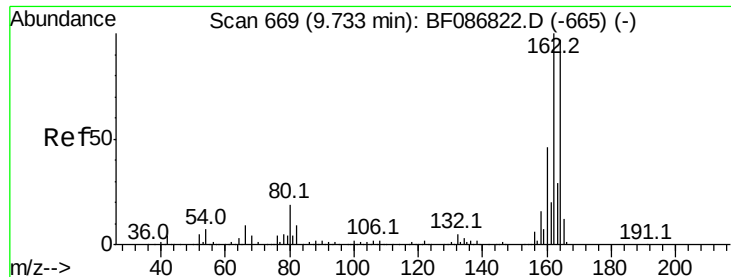
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#37
 2-Methylnaphthalene
 Concen: 4.74 ng
 RT: 8.78 min Scan# 586
 Delta R.T. 0.09 min
 Lab File: BF086890.D
 Acq: 11 May 2016 9:30

Tgt Ion	Ratio	Resp Lower	Upper
142	100		
141	94.5	71.0	106.6
115	36.4	26.6	39.8





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.72 min Scan# 668

Delta R.T. -0.01 min

Lab File: BF086890.D

Acq: 11 May 2016 9:30

Instrument :

BNA_F

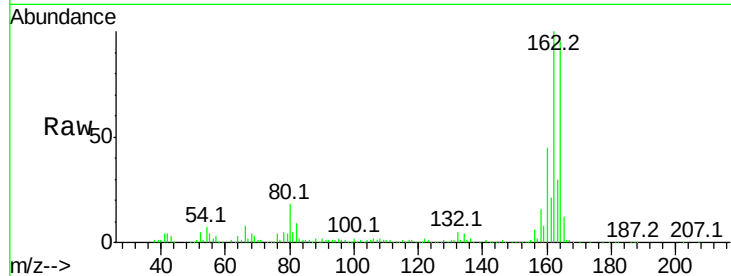
ClientSampleId :

NYSEG-CLARK-ST-ESMI-5

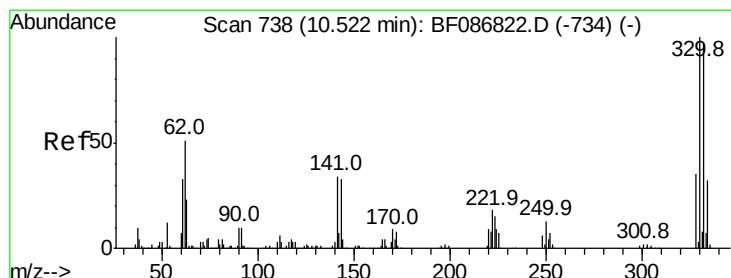
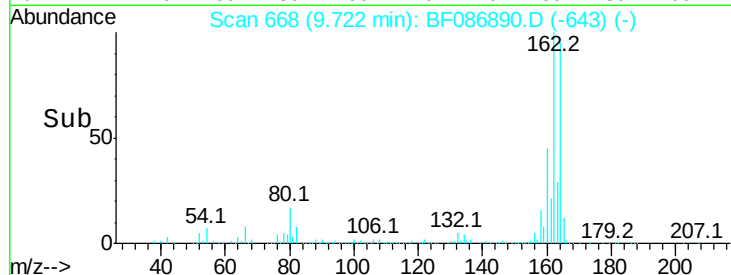
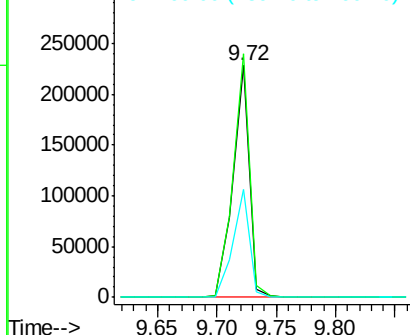
Tot Ion:	164	Resp:	220254
Ion Ratio	Lower	Upper	
164	100		
162	104.9	82.8	124.2
160	46.8	36.9	55.3

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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 21.42 ng

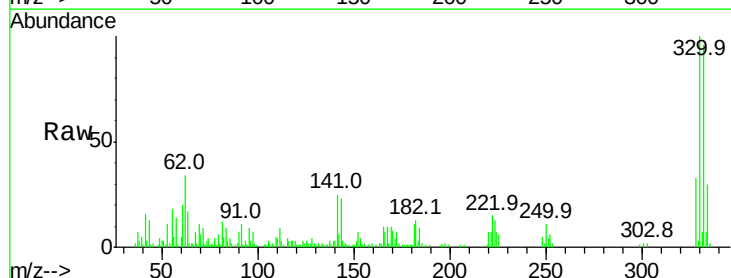
RT: 10.51 min Scan# 737

Delta R.T. -0.01 min

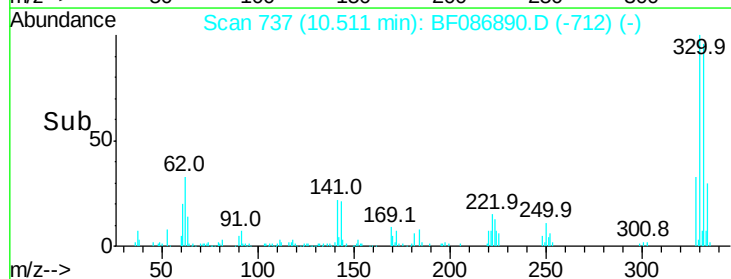
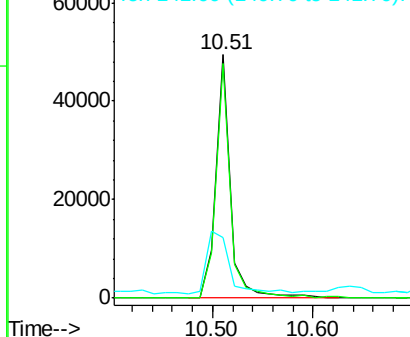
Lab File: BF086890.D

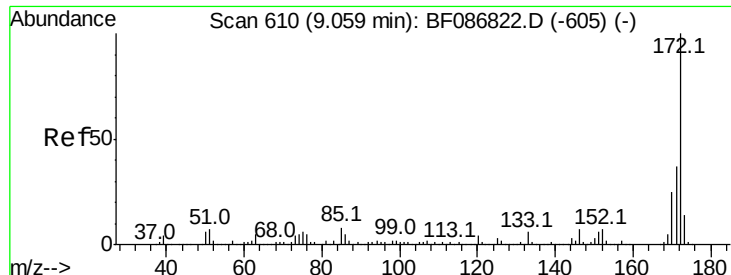
Acq: 11 May 2016 9:30

Tgt Ion:	330	Resp:	49936
Ion Ratio	Lower	Upper	
330	100		
332	95.8	79.0	118.4
141	39.2	31.2	46.8



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





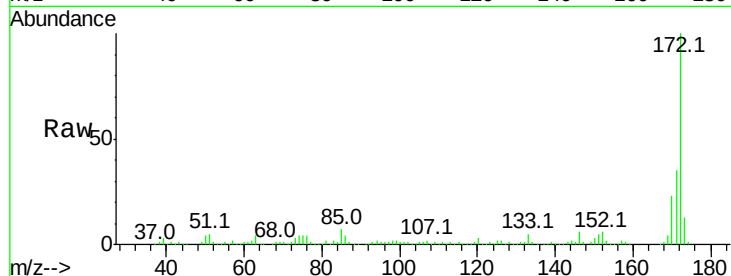
#44
2-Fluorobiphenyl
Concen: 28.57 ng
RT: 9.05 min Scan# 609
Delta R.T. -0.01 min
Lab File: BF086890.D
Acq: 11 May 2016 9:30

Instrument :
BNA_F
ClientSampleId :
NYSEG-CLARK-ST-ESMI-5

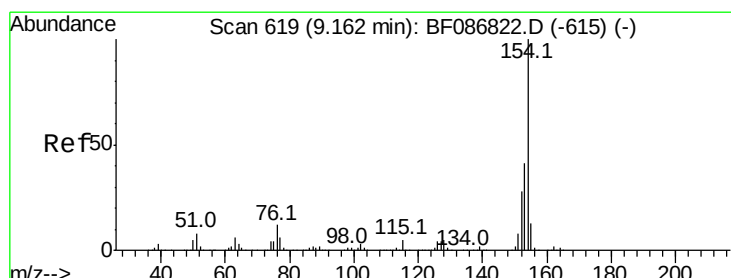
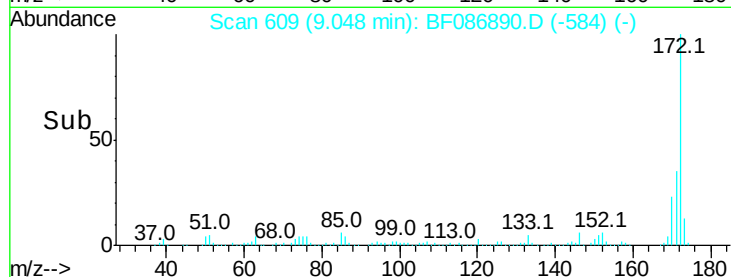
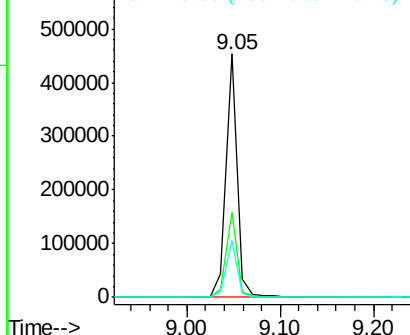
Tot Ion	Ratio	Resp	Lower	Upper
172	100	374447		
171	35.0	29.0	43.6	
170	23.3	19.8	29.8	

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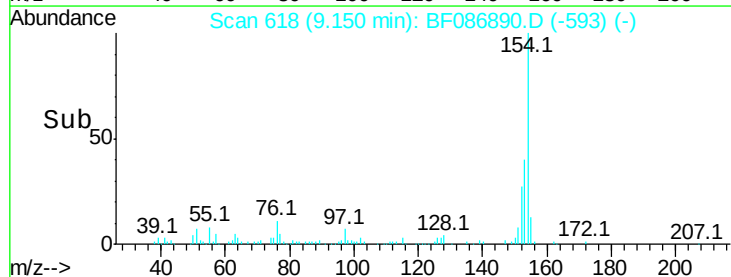
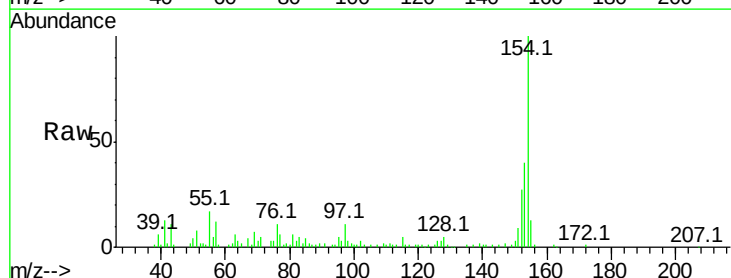
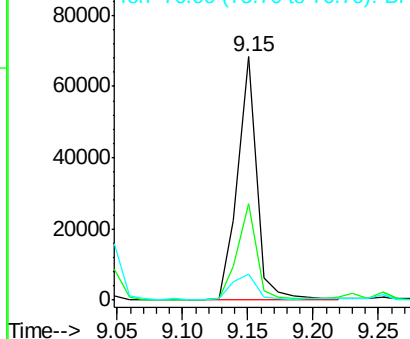
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

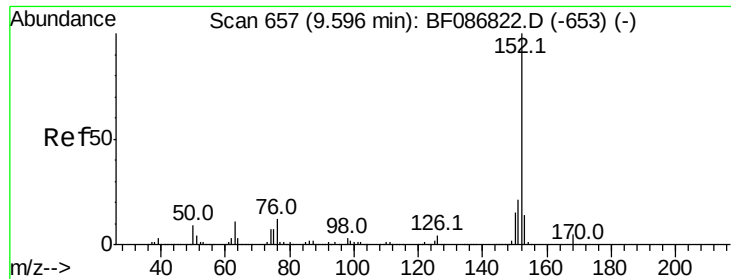


#45
1,1'-Biphenyl
Concen: 4.03 ng
RT: 9.15 min Scan# 618
Delta R.T. -0.01 min
Lab File: BF086890.D
Acq: 11 May 2016 9:30

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	70631		
153	39.8	20.3	60.3	
76	10.6	0.0	30.2	

Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0





#48

Acenaphthylene

Concen: 2.26 ng

RT: 9.58 min Scan# 656

Delta R.T. -0.01 min

Lab File: BF086890.D

Acq: 11 May 2016 9:30

Instrument :

BNA_F

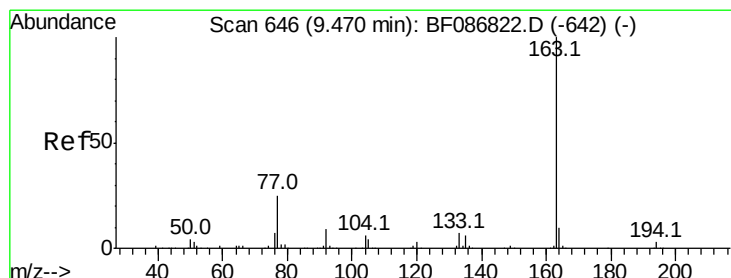
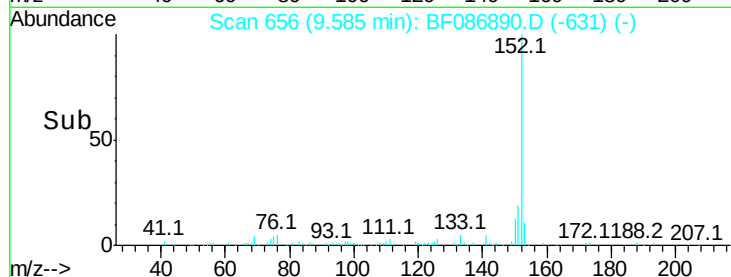
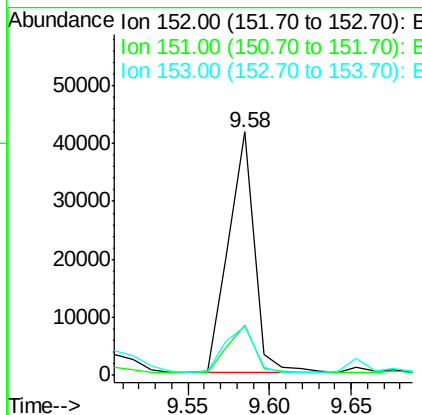
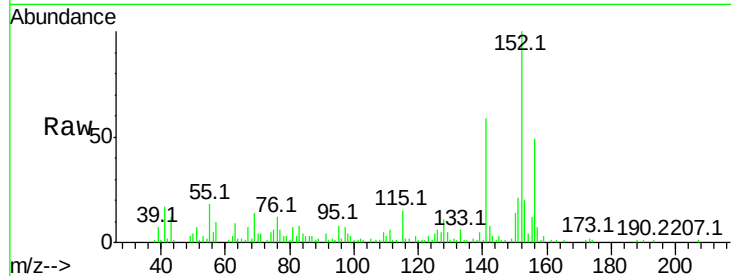
ClientSampleId :

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Tot Ion:	152	Resp:	45544
Ion Ratio	Lower	Upper	
152	100		
151	20.8	16.8	25.2
153	20.3	10.9	16.3#



#49

Dimethylphthalate

Concen: 2.06 ng

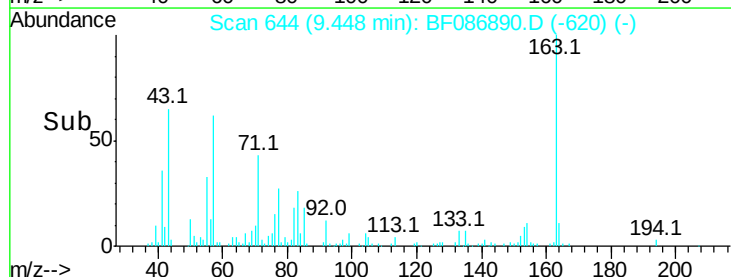
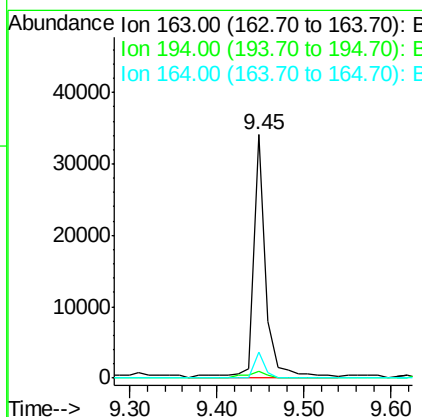
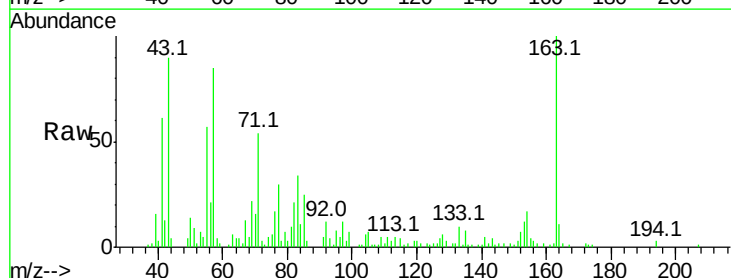
RT: 9.45 min Scan# 644

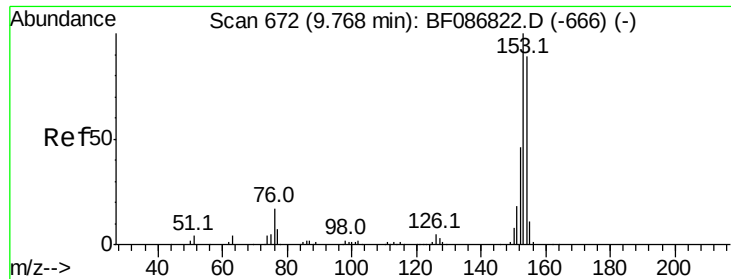
Delta R.T. -0.02 min

Lab File: BF086890.D

Acq: 11 May 2016 9:30

Tgt Ion:	163	Resp:	34660
Ion Ratio	Lower	Upper	
163	100		
194	3.0	2.6	4.0
164	10.7	8.2	12.4





#51

Acenaphthene

Concen: 20.67 ng

RT: 9.76 min Scan# 671

Delta R.T. -0.01 min

Lab File: BF086890.D

Acq: 11 May 2016 9:30

Instrument :

BNA_F

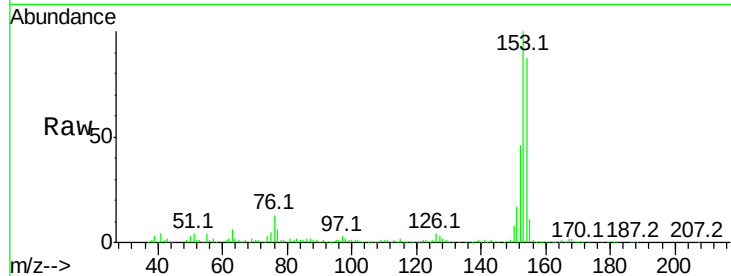
ClientSampleId :

NYSEG-CLARK-ST-ESMI-5

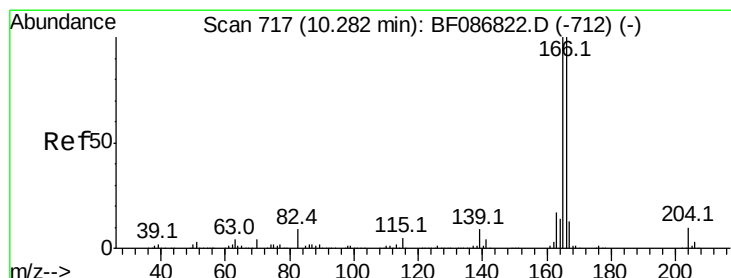
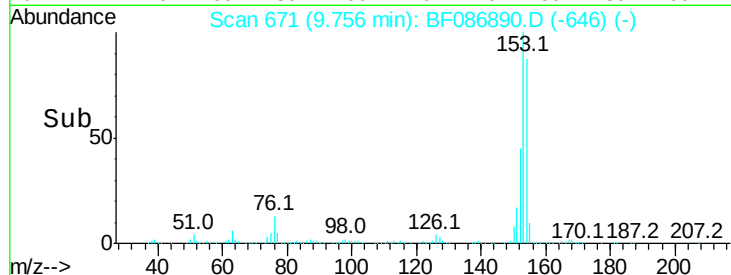
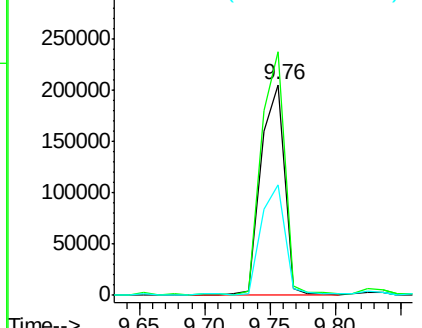
Tot Ion:	154	Resp:	259638
Ion Ratio	Lower	Upper	
154	100		
153	115.5	89.8	134.6
152	52.6	43.4	65.0

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 14.31 ng

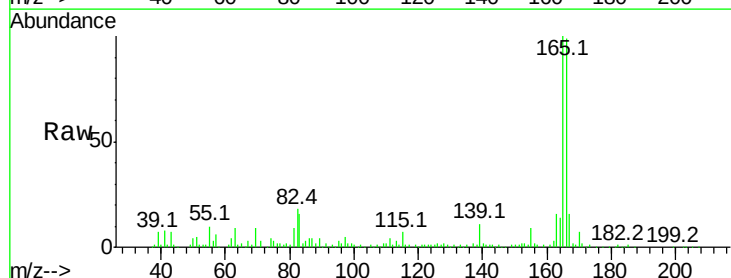
RT: 10.26 min Scan# 715

Delta R.T. -0.02 min

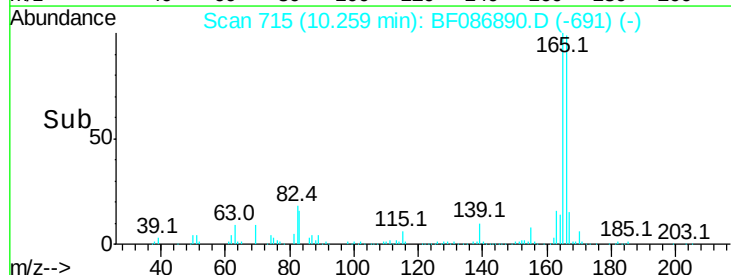
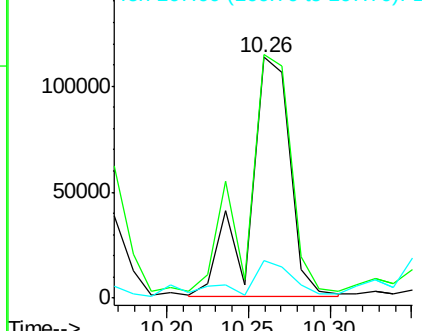
Lab File: BF086890.D

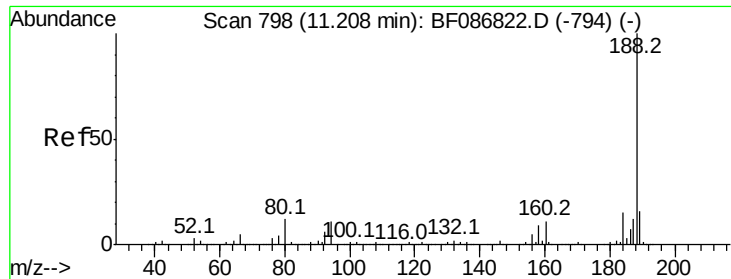
Acq: 11 May 2016 9:30

Tgt Ion:	166	Resp:	196696
Ion Ratio	Lower	Upper	
166	100		
165	101.0	79.0	118.6
167	15.8	10.6	15.8



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: 20.00 ng

RT: 11.20 min Scan# 797

Delta R.T. -0.01 min

Lab File: BF086890.D

Acq: 11 May 2016 9:30

Instrument :

BNA_F

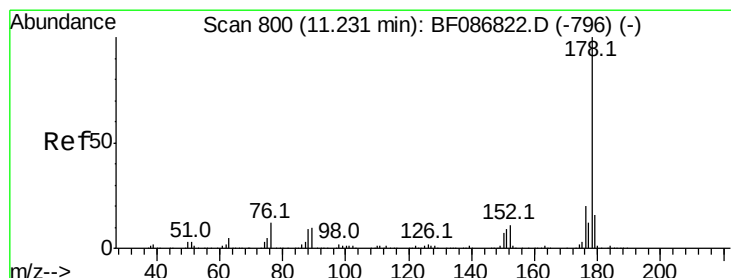
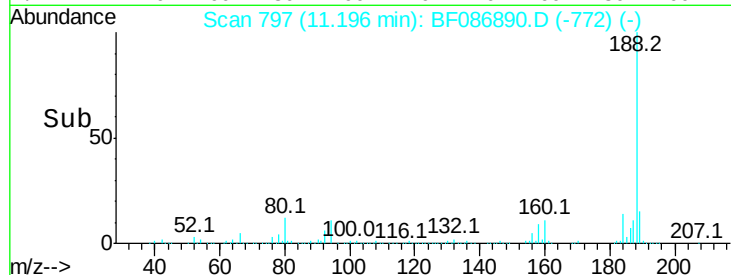
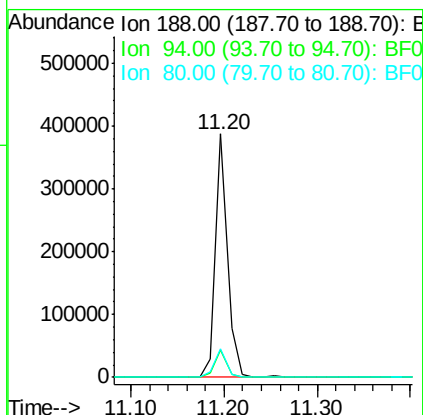
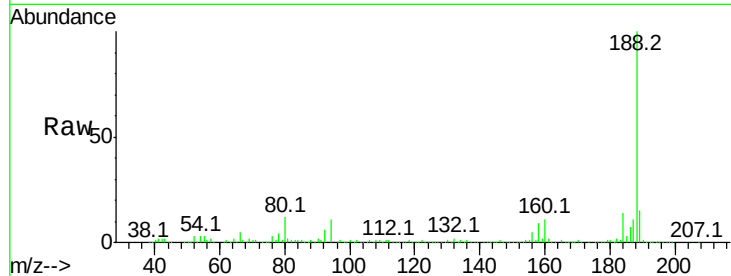
ClientSampleId :

NYSEG-CLARK-ST-ESMI-5

Tot Ion:	188	Resp:	346991
Ion Ratio	Lower	Upper	
188	100		
94	11.1	6.8	10.2#
80	11.8	7.1	10.7#

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#70

Phenanthrene

Concen: 36.73 ng

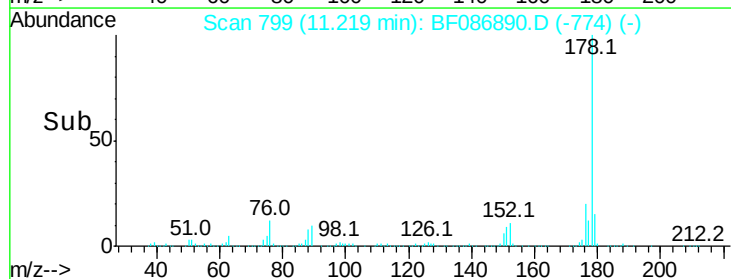
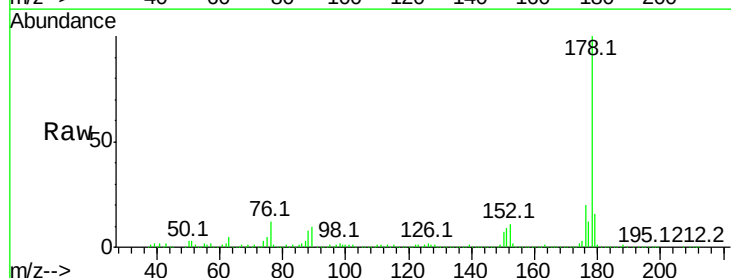
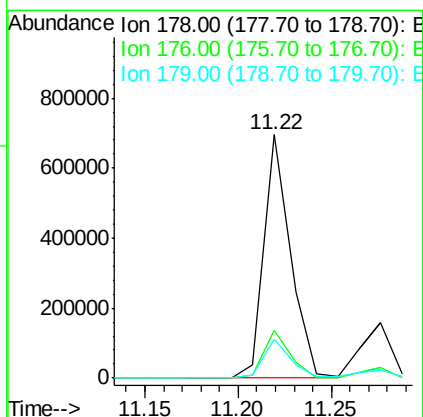
RT: 11.22 min Scan# 799

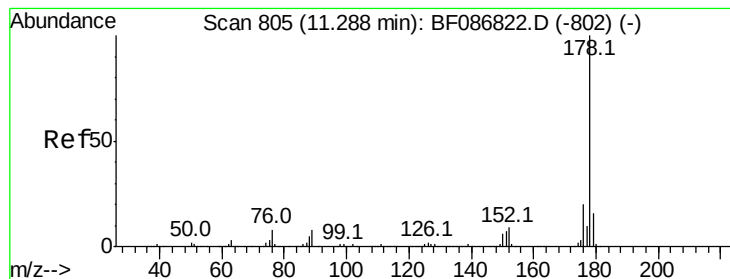
Delta R.T. -0.01 min

Lab File: BF086890.D

Acq: 11 May 2016 9:30

Tgt Ion:	178	Resp:	680193
Ion Ratio	Lower	Upper	
178	100		
176	19.8	16.0	24.0
179	15.7	12.6	18.8





#71

Anthracene

Concen: 10.42 ng

RT: 11.28 min Scan# 804

Delta R.T. -0.01 min

Lab File: BF086890.D

Acq: 11 May 2016 9:30

Instrument :

BNA_F

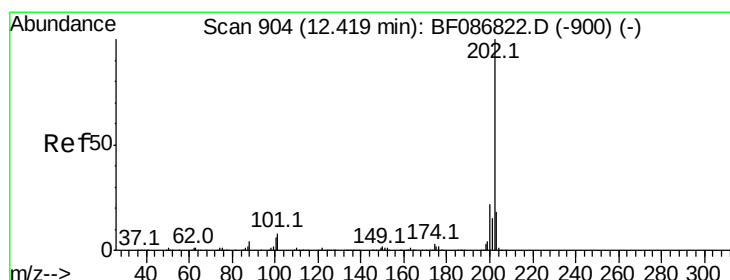
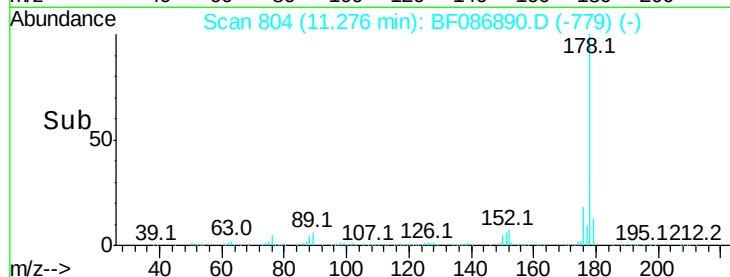
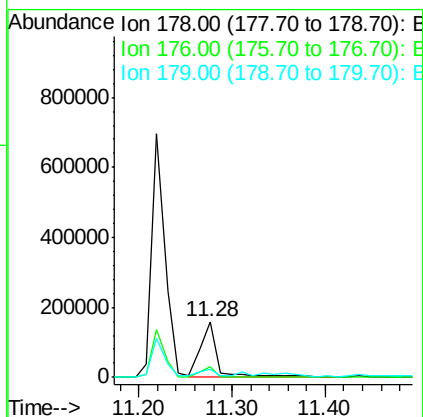
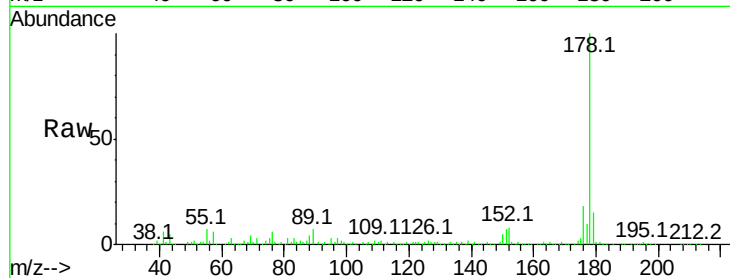
ClientSampleId :

NYSEG-CLARK-ST-ESMI-5

Tot Ion:	178	Resp:	197321
Ion Ratio	Lower	Upper	
178	100		
176	18.3	15.6	23.4
179	15.1	12.7	19.1

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#74

Fluoranthene

Concen: 12.71 ng

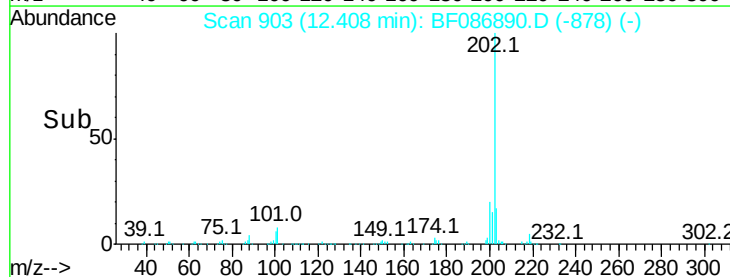
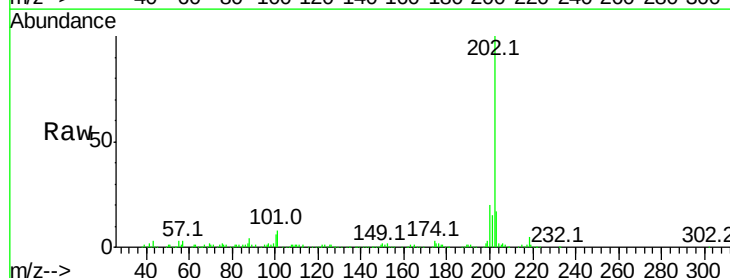
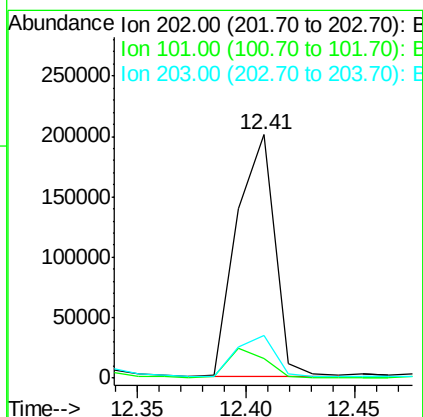
RT: 12.41 min Scan# 903

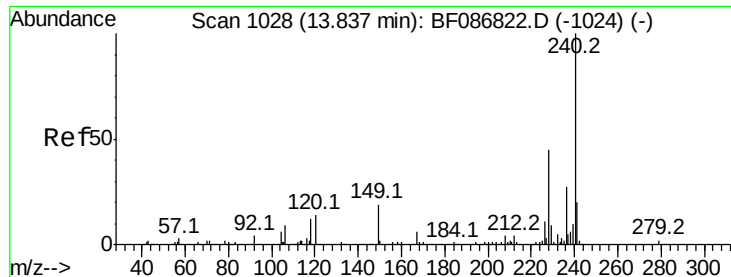
Delta R.T. -0.01 min

Lab File: BF086890.D

Acq: 11 May 2016 9:30

Tgt Ion:	202	Resp:	242113
Ion Ratio	Lower	Upper	
202	100		
101	8.1	0.0	35.4
203	17.3	0.0	38.1





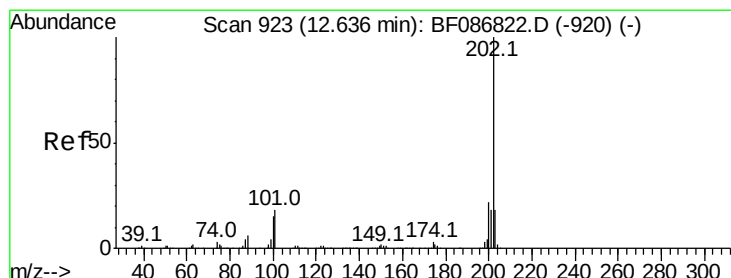
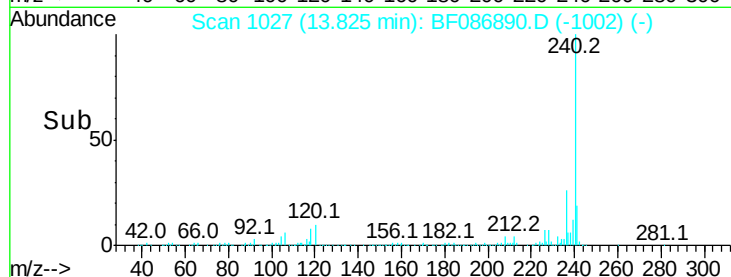
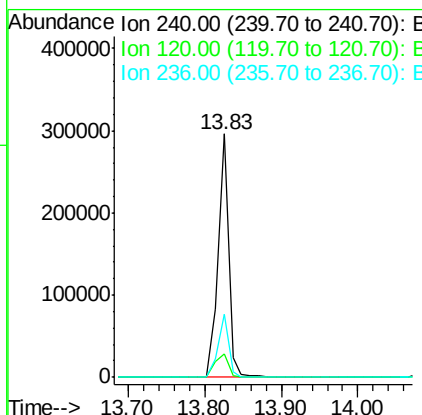
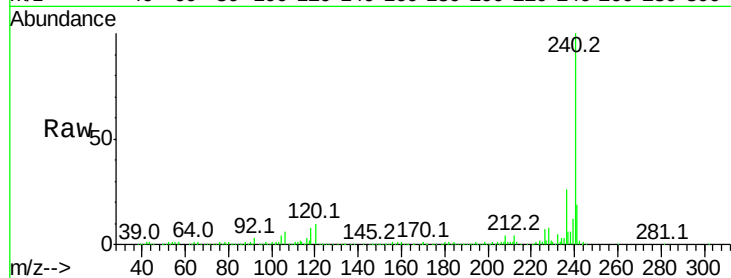
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.83 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF086890.D
Acq: 11 May 2016 9:30

Instrument :
BNA_F
ClientSampleId :
NYSEG-CLARK-ST-ESMI-5

Tot Ion	Ratio	Resp Lower	Upper
240	100		
120	9.9	11.2	16.8#
236	26.1	21.2	31.8

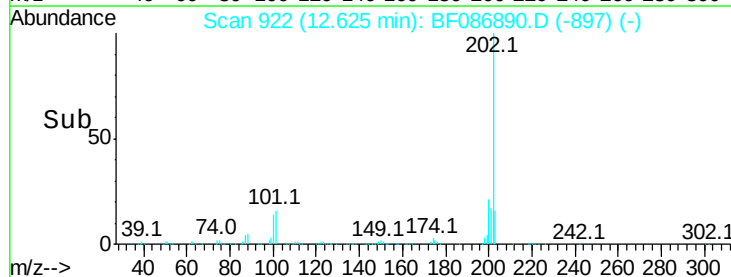
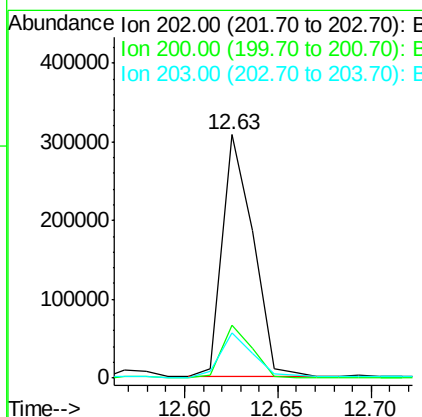
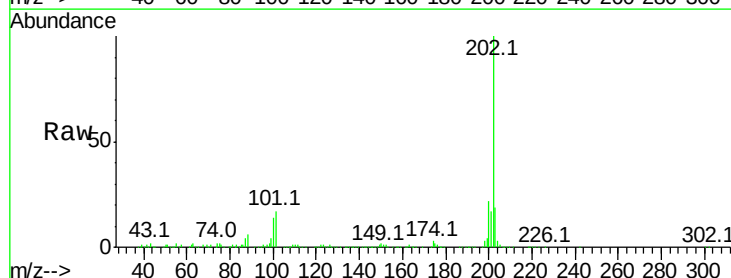
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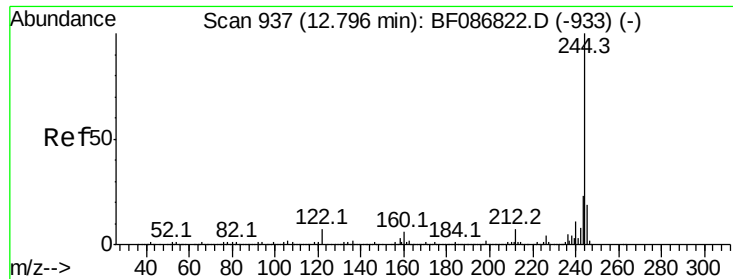
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#77
Pyrene
Concen: 16.39 ng
RT: 12.63 min Scan# 922
Delta R.T. -0.01 min
Lab File: BF086890.D
Acq: 11 May 2016 9:30

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	21.6	17.7	26.5
203	18.6	14.2	21.4





#78

Terphenyl-d14

Concen: 17.86 ng

RT: 12.77 min Scan# 935

Delta R.T. -0.02 min

Lab File: BF086890.D

Acq: 11 May 2016 9:30

Instrument :

BNA_F

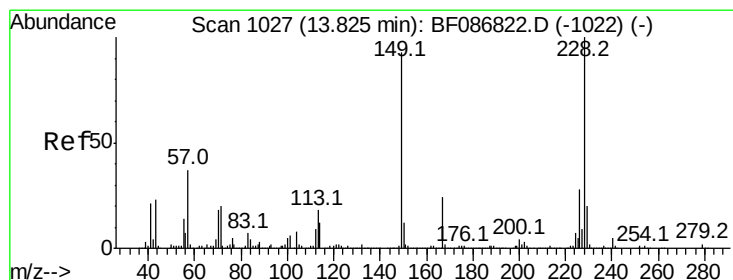
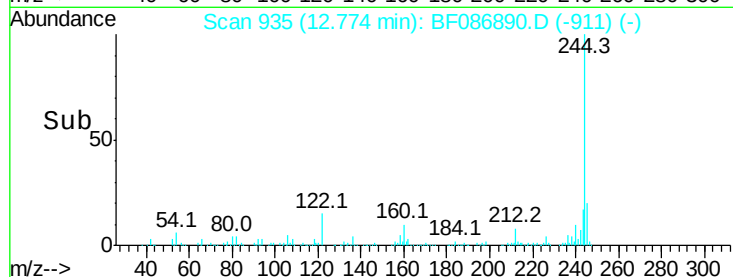
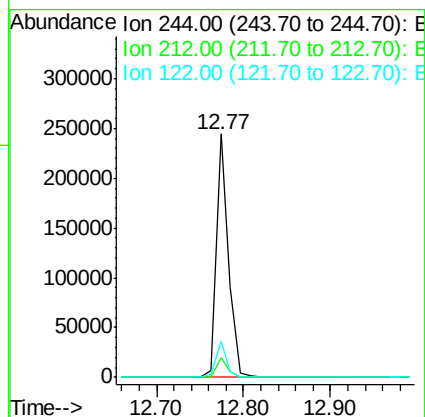
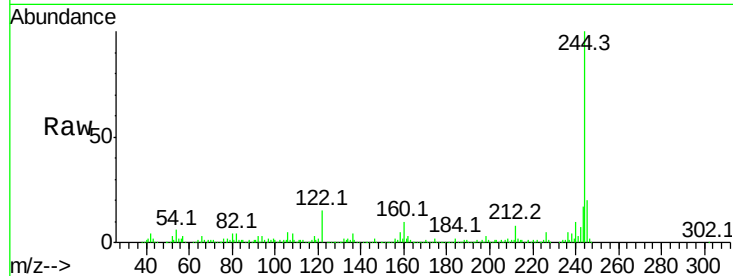
ClientSampleId :

NYSEG-CLARK-ST-ESMI-5

Tot Ion:	244	Resp:	240590
Ion Ratio	Lower	Upper	
244	100		
212	8.1	6.2	9.2
122	15.1	12.0	18.0

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#80

Benzo(a)anthracene

Concen: 8.26 ng

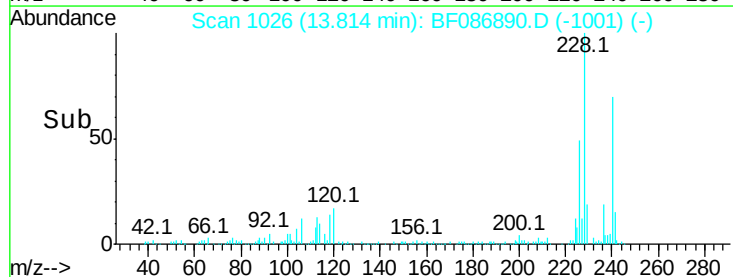
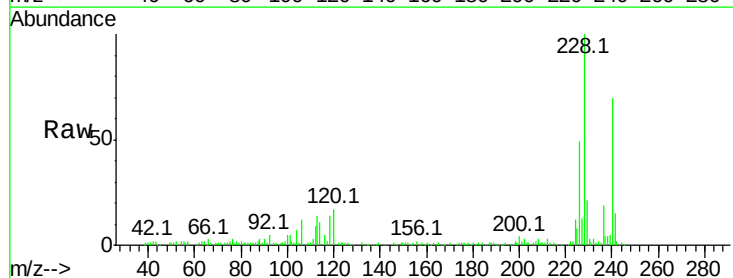
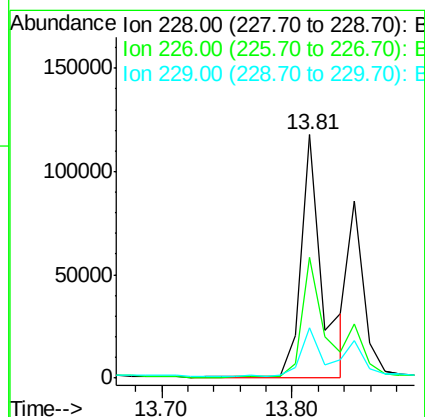
RT: 13.81 min Scan# 1026

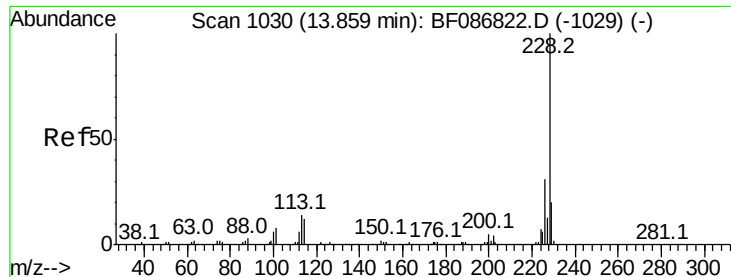
Delta R.T. -0.01 min

Lab File: BF086890.D

Acq: 11 May 2016 9:30

Tgt Ion:	228	Resp:	132481
Ion Ratio	Lower	Upper	
228	100		
226	49.4	22.5	33.7#
229	20.6	16.6	25.0





#82

Chrysene

Concen: 4.43 ng/mL

RT: 13.85 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF086890.D

Acq: 11 May 2016 9:30

Instrument :

BNA_F

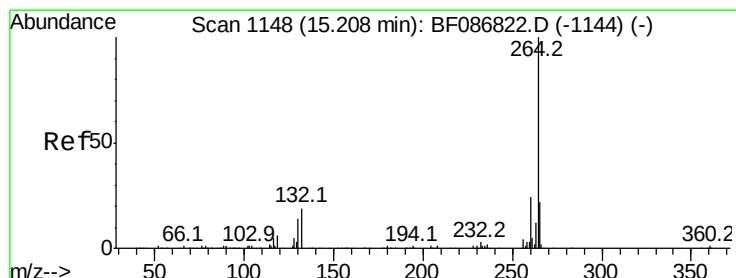
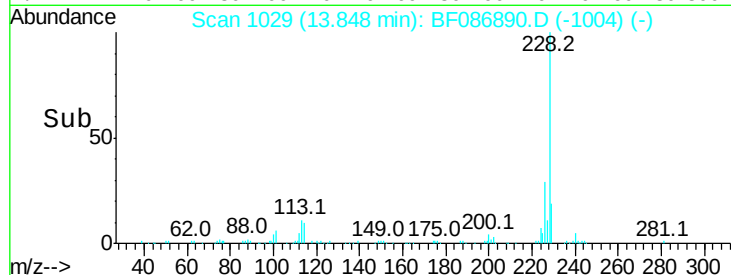
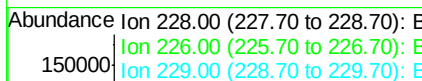
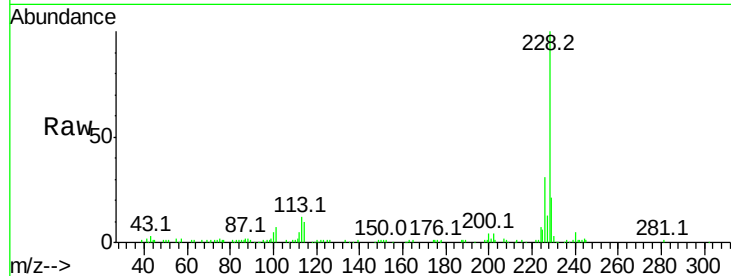
ClientSampleId :

NYSEG-CLARK-ST-ESMI-5

Tot Ion:	228	Resp:	72239
Ion Ratio	Lower	Upper	
228	100		
226	30.7	24.4	36.6
229	21.2	15.8	23.8

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#86

Perylene-d12

Concen: 20.00 ng/mL

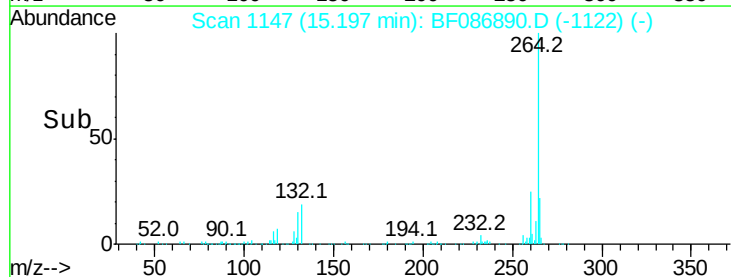
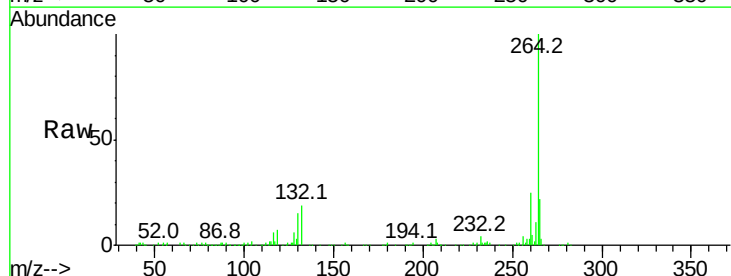
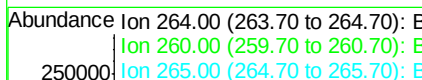
RT: 15.20 min Scan# 1147

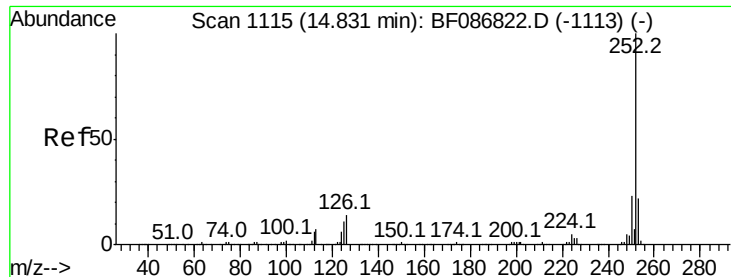
Delta R.T. -0.01 min

Lab File: BF086890.D

Acq: 11 May 2016 9:30

Tgt Ion:	264	Resp:	248043
Ion Ratio	Lower	Upper	
264	100		
260	24.6	19.5	29.3
265	21.9	17.3	25.9





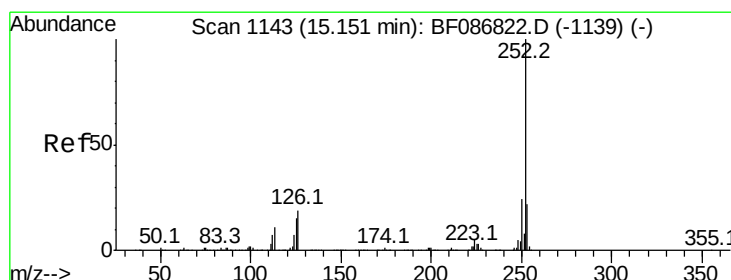
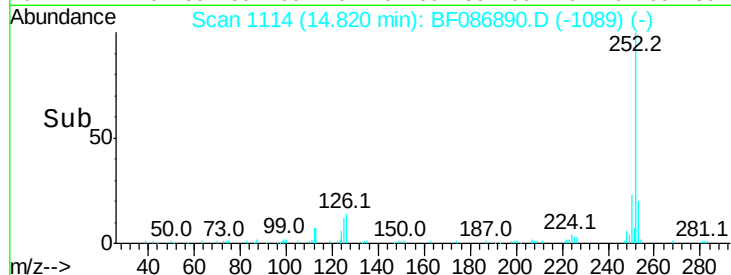
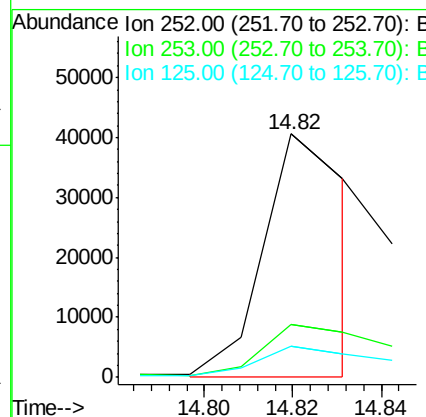
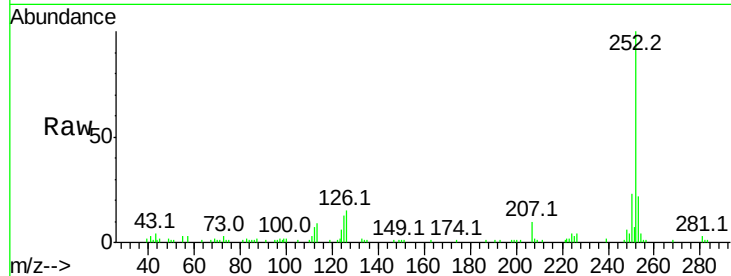
#87
Benzo(b)fluoranthene
Concen: 3.43 ng m
RT: 14.82 min Scan# 1114
Delta R.T. -0.01 min
Lab File: BF086890.D
Acq: 11 May 2016 9:30

Instrument :
BNA_F
ClientSampleId :
NYSEG-CLARK-ST-ESMI-5

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.6
125	12.7	11.4	17.0

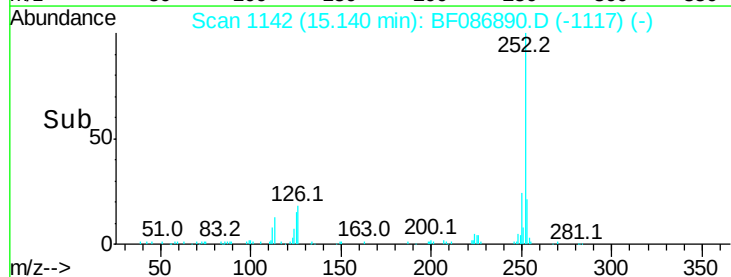
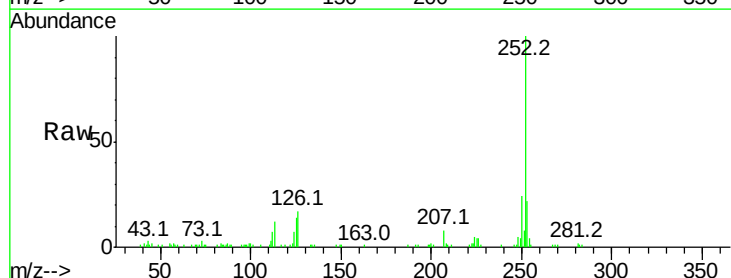
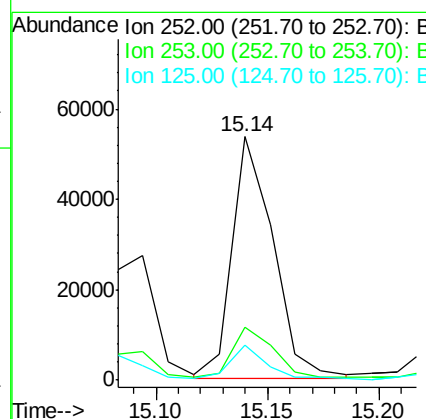
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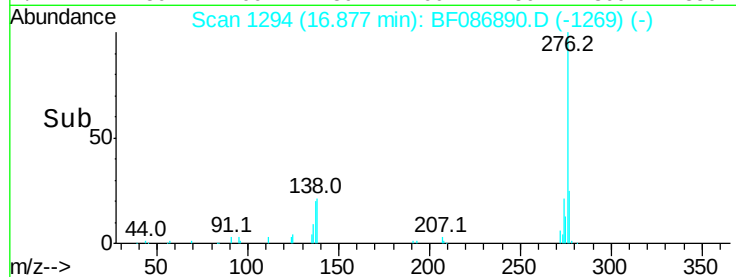
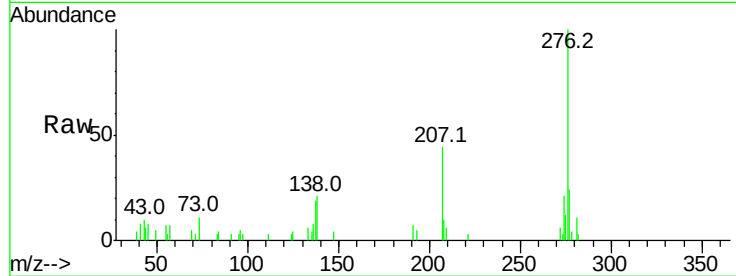
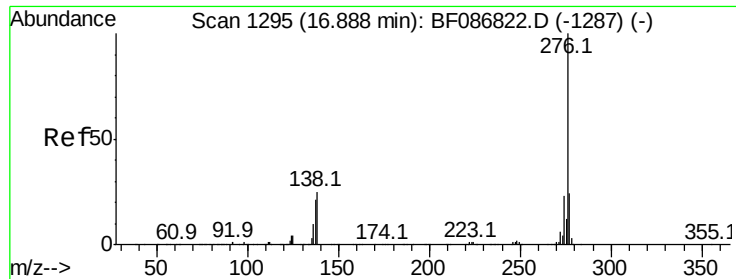
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#89
Benzo(a)pyrene
Concen: 4.98 ng m
RT: 15.14 min Scan# 1142
Delta R.T. -0.01 min
Lab File: BF086890.D
Acq: 11 May 2016 9:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.2	25.8
125	14.3	9.0	13.6#





#91

Benzo(a,h,i)perylene

Concen: 2.13 ng/ml

RT: 16.88 min Scan# 1294

Delta R.T. -0.01 min

Lab File: BF086890.D

Acq: 11 May 2016 9:30

Instrument :

BNA_F

ClientSampleId :

NYSEG-CLARK-ST-ESMI-5

Tot Ion:	276	Resp:	25411
Ion Ratio	Lower	Upper	
276	100		
277	23.9	19.6	29.4
138	20.7	23.6	35.4

Manual Integrations
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