

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051016\
 Data File : BF086891.D
 Acq On : 11 May 2016 9:57
 Operator : UM/SJ
 Sample : H2961-04 5X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-CLARK-ST-ESMI-6

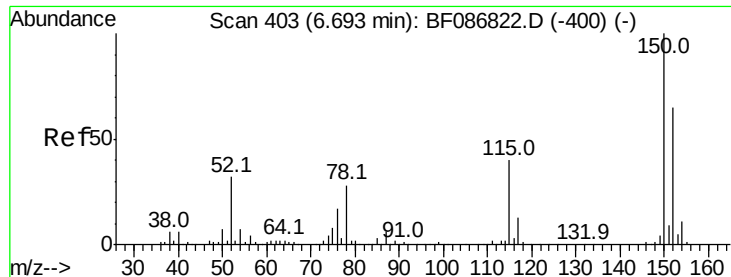
Manual Integrations
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 5/11/2016 8:18:29 PM

Quant Time: May 11 13:10:22 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	142337	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	496011	20.00	ng	-0.01
38) Acenaphthene-d10	9.72	164	215929	20.00	ng	-0.01
63) Phenanthrene-d10	11.21	188	337822	20.00	ng	0.00
75) Chrysene-d12	13.83	240	264152	20.00	ng	-0.01
86) Perylene-d12	15.21	264	260445	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	188026	22.37	ng	-0.01
7) Phenol-d6	6.34	99	248182	22.09	ng	-0.02
23) Nitrobenzene-d5	7.25	82	186824	18.91	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	38427	16.81	ng	-0.01
44) 2-Fluorobiphenyl	9.05	172	253421	19.72	ng	-0.01
78) Terphenyl-d14	12.77	244	178809	14.36	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.01	128	3388073	136.37	ng	97
37) 2-Methylnaphthalene	8.69	142	1017961	70.09	ng	97
45) 1,1'-Biphenyl	9.15	154	322972	18.80	ng	98
48) Acenaphthylene	9.58	152	250011	12.63	ng	# 93
51) Acenaphthene	9.76	154	1089046	88.45	ng	99
57) Fluorene	10.27	166	650763	48.28	ng	98
70) Phenanthrene	11.23	178	2111616	117.13	ng	98
71) Anthracene	11.28	178	880220	47.74	ng	100
74) Fluoranthene	12.41	202	1121250	60.47	ng	98
77) Pyrene	12.64	202	1567351	77.50	ng	99
80) Benzo(a)anthracene	13.81	228	574761	38.76	ng	# 66
82) Chrysene	13.85	228	420493m	27.88	ng	
85) Indeno(1,2,3-cd)pyrene	16.49	276	193483	15.42	ng	# 88
87) Benzo(b)fluoranthene	14.83	252	486926m	28.77	ng	
88) Benzo(k)fluoranthene	14.84	252	79662m	5.75	ng	
89) Benzo(a)pyrene	15.15	252	481378	32.97	ng	97
90) Dibenzo(a,h)anthracene	16.49	278	41514m	3.37	ng	
91) Benzo(g,h,i)perylene	16.88	276	226416m	18.11	ng	

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



#1

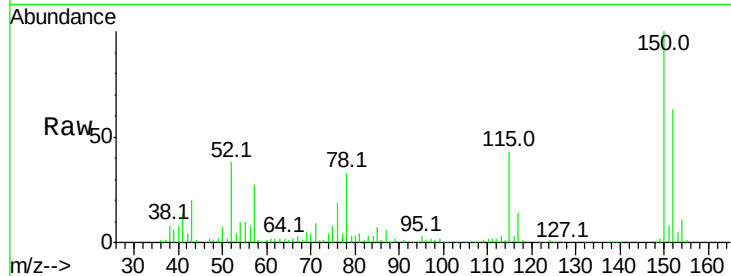
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.68 min Scan# 402
Delta R.T. -0.01 min
Lab File: BF086891.D
Acq: 11 May 2016 9:57

Instrument :
BNA_F
ClientSampleId :
NYSEG-CLARK-ST-ESMI-6

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	125.8	188.6
115	68.4	51.5	77.3

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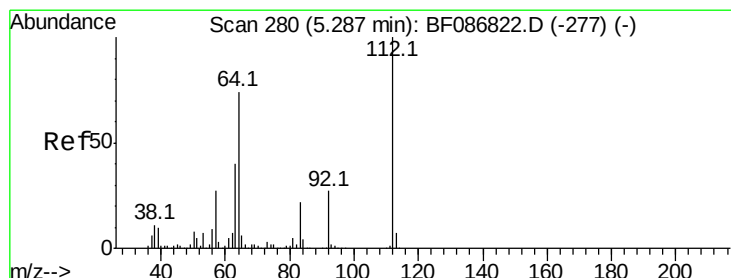
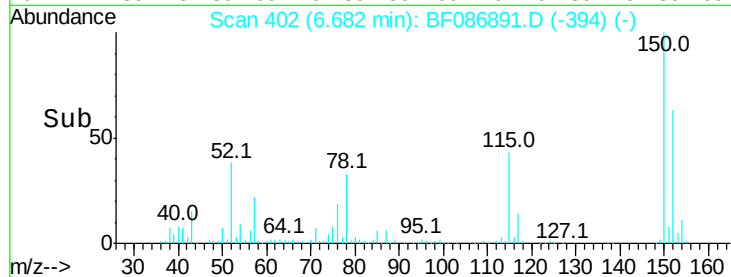
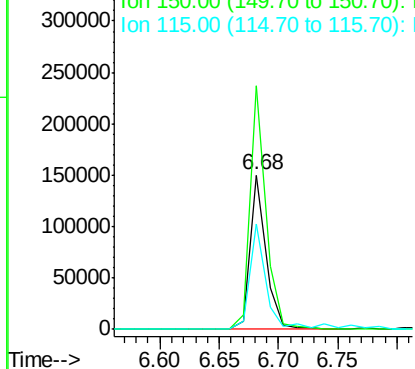


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

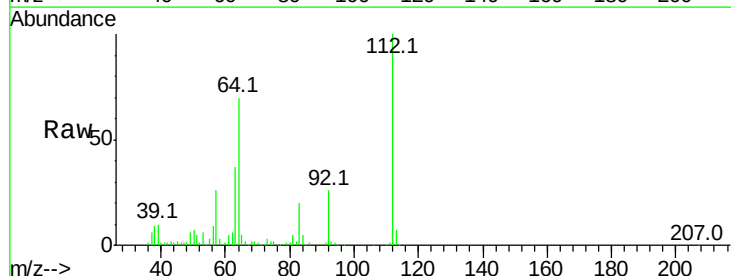
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 22.37 ng
RT: 5.28 min Scan# 279
Delta R.T. -0.01 min
Lab File: BF086891.D
Acq: 11 May 2016 9:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.9	52.1	78.1
63	37.4	25.7	38.5

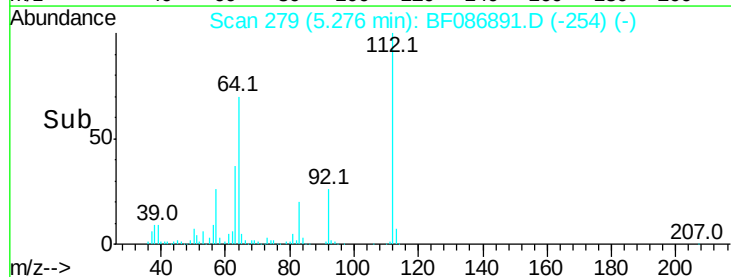
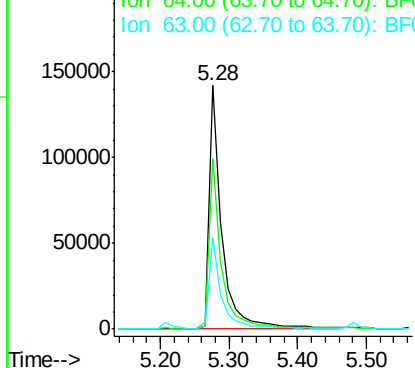


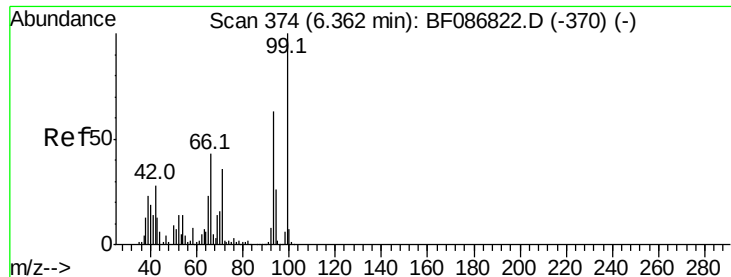
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 22.09 ng

RT: 6.34 min Scan# 372

Delta R.T. -0.02 min

Lab File: BF086891.D

Acq: 11 May 2016 9:57

Instrument :

BNA_F

ClientSampleId :

NYSEG-CLARK-ST-ESMI-6

Tot Ion: 99 Resp: 248182

Ion Ratio Lower Upper

99 100

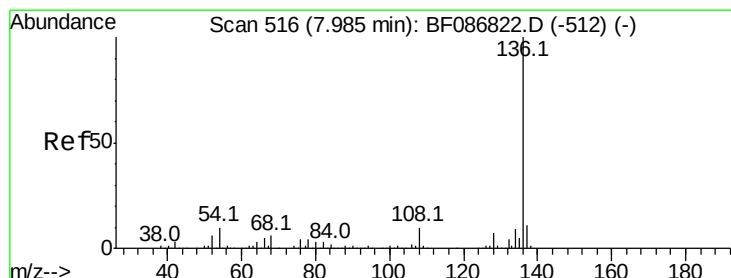
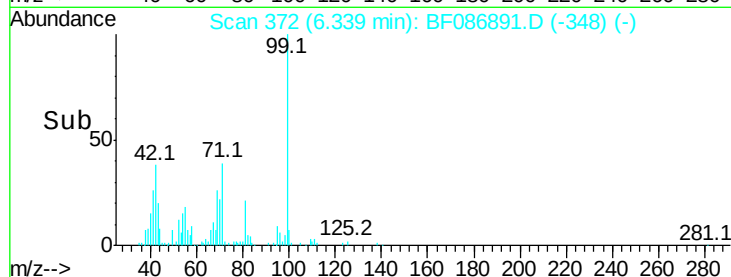
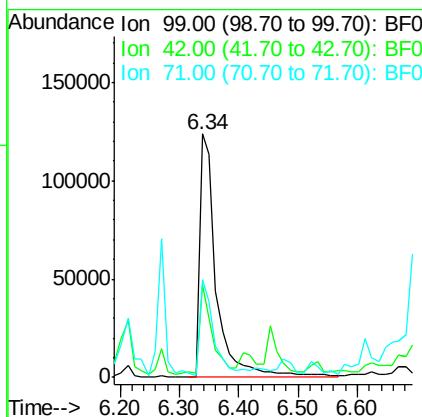
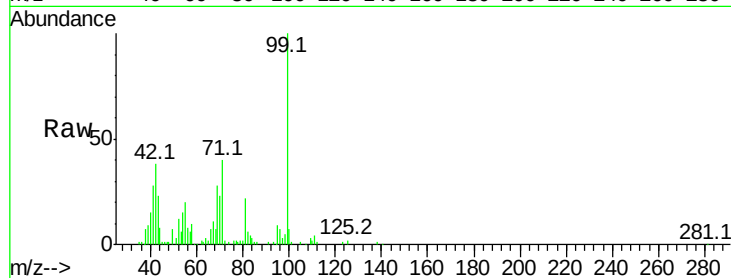
42 38.3 13.6 20.4#

71 39.9 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: BF086891.D

Acq: 11 May 2016 9:57

Tgt Ion: 136 Resp: 496011

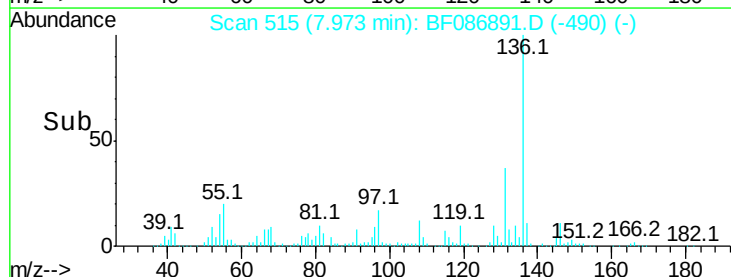
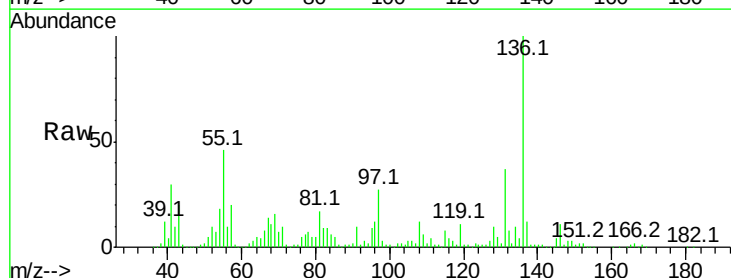
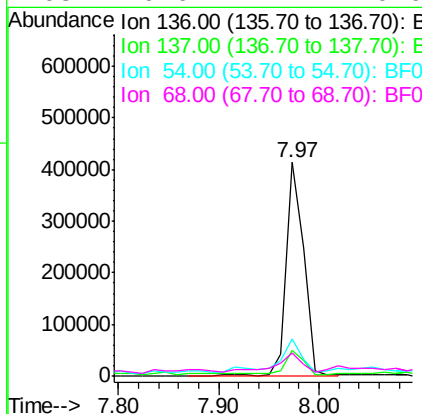
Ion Ratio Lower Upper

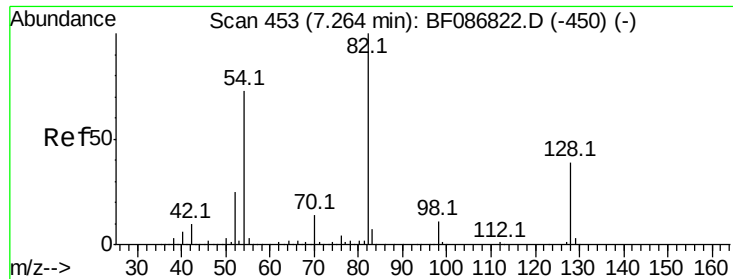
136 100

137 12.0 8.8 13.2

54 17.6 5.0 7.4#

68 10.6 4.4 6.6#





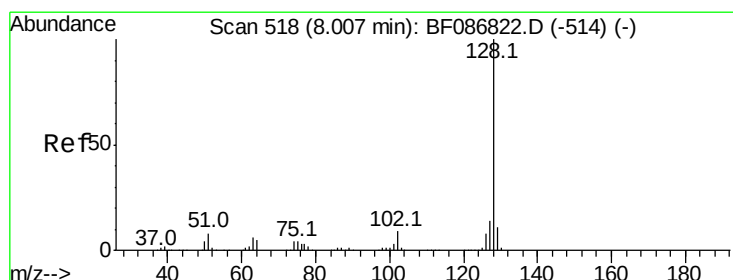
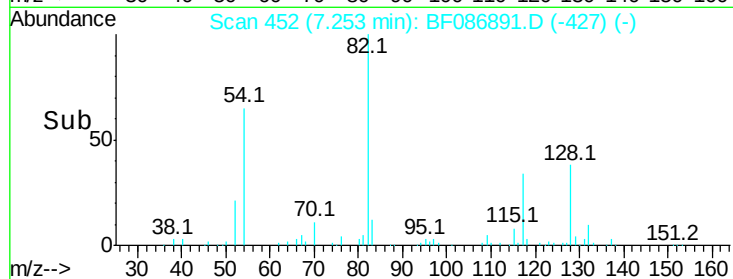
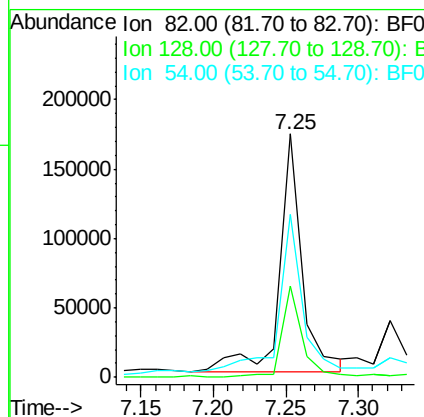
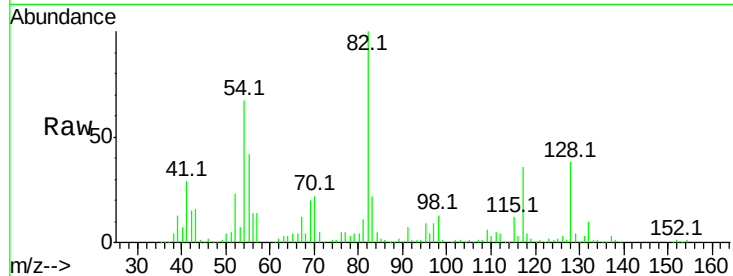
#23
Nitrobenzene-d5
Concen: 18.91 ng
RT: 7.25 min Scan# 452
Delta R.T. -0.01 min
Lab File: BF086891.D
Acq: 11 May 2016 9:57

Instrument :
BNA_F
ClientSampleId :
NYSEG-CLARK-ST-ESMI-6

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	37.6	40.6	61.0#	
54	67.0	38.1	57.1#	

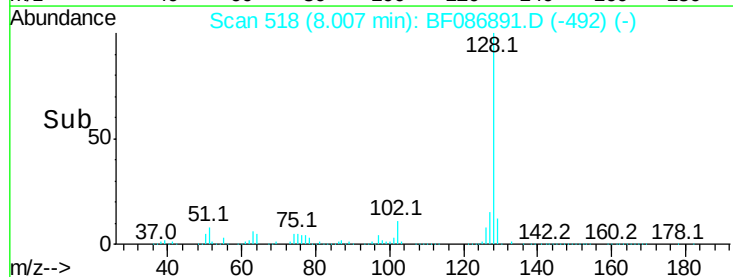
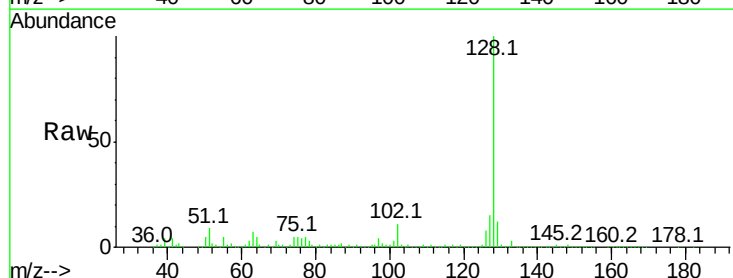
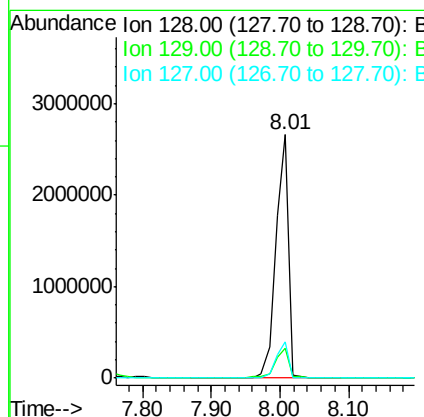
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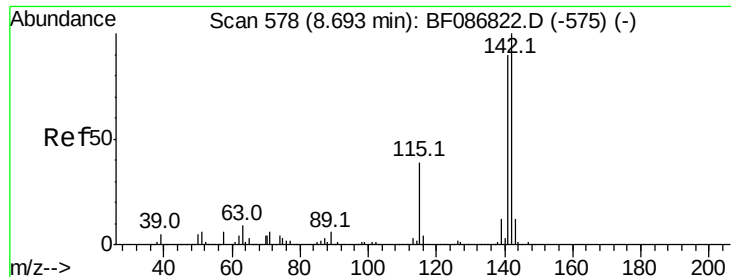
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#31
Naphthalene
Concen: 136.37 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.00 min
Lab File: BF086891.D
Acq: 11 May 2016 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	12.0	8.6	13.0	
127	14.9	10.8	16.2	





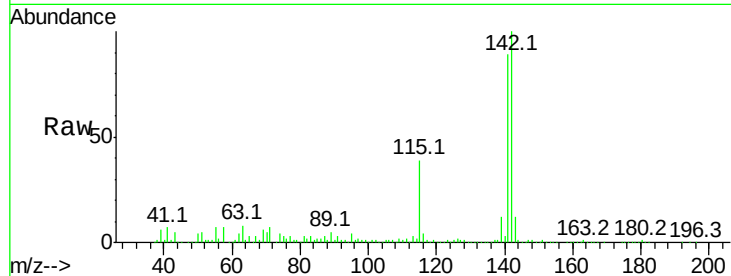
#37
2-Methylnaphthalene
Concen: 70.09 ng
RT: 8.69 min Scan# 578
Delta R.T. -0.00 min
Lab File: BF086891.D
Acq: 11 May 2016 9:57

Instrument :
BNA_F
ClientSampleId :
NYSEG-CLARK-ST-ESMI-6

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.0	106.6
115	39.1	26.6	39.8

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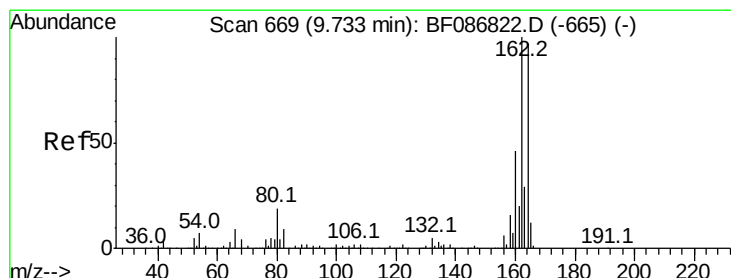
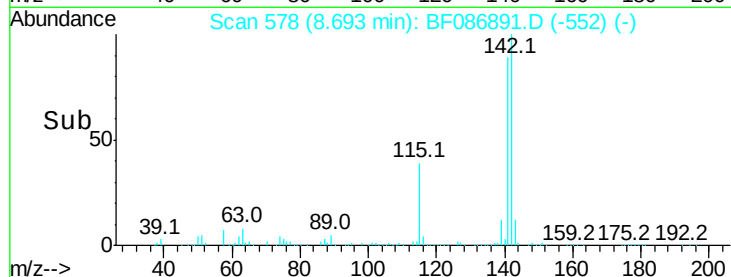
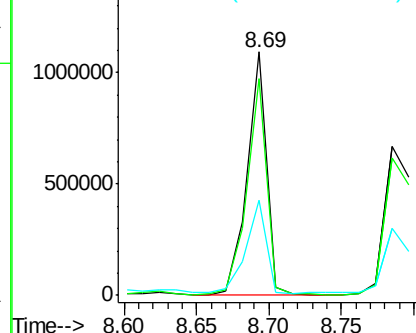


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.72 min Scan# 668
Delta R.T. -0.01 min
Lab File: BF086891.D
Acq: 11 May 2016 9:57

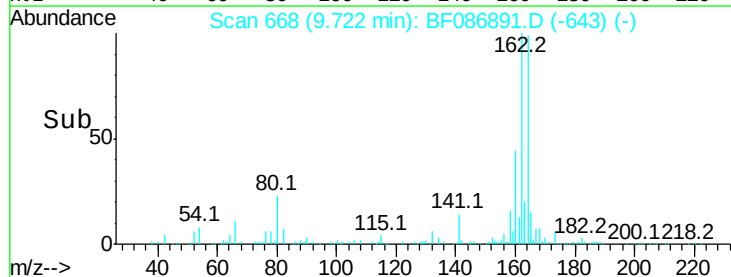
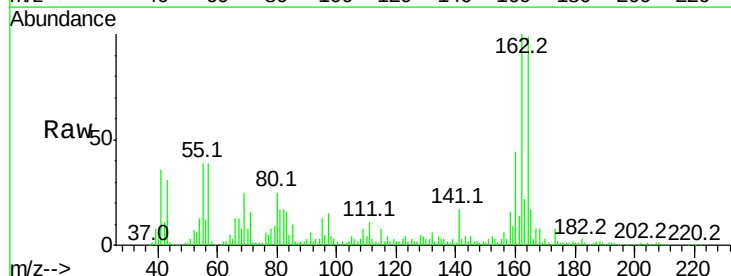
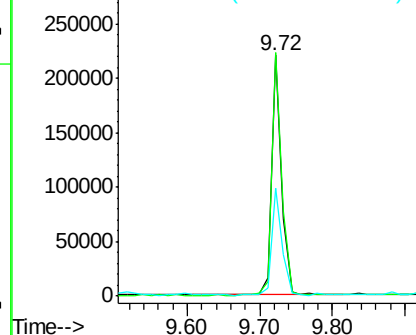
Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.2	82.8	124.2
160	44.9	36.9	55.3

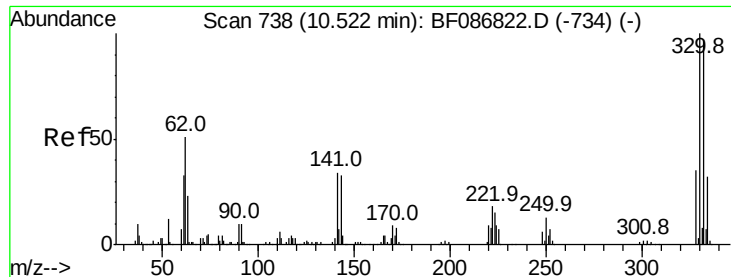
Abundance

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





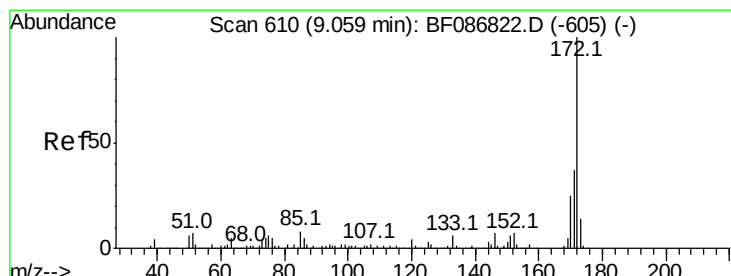
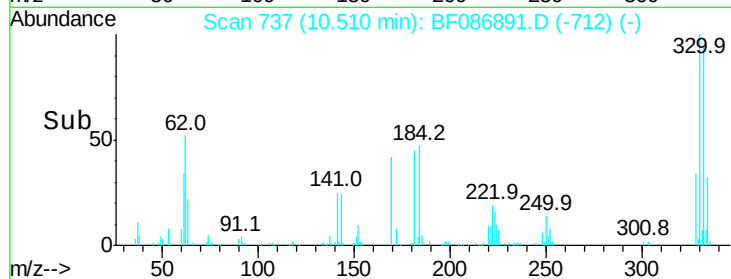
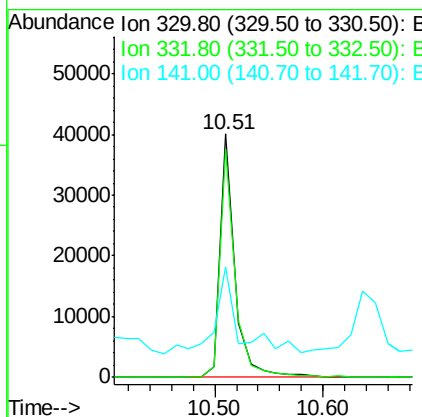
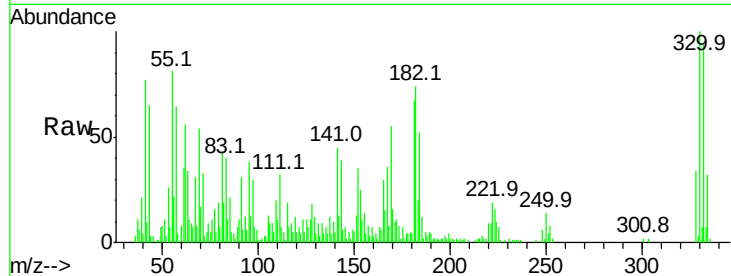
#41
 2,4,6-Tribromophenol
 Concen: 16.81 ng
 RT: 10.51 min Scan# 737
 Delta R.T. -0.01 min
 Lab File: BF086891.D
 Acq: 11 May 2016 9:57

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-CLARK-ST-ESMI-6

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.3	79.0	118.4	
141	45.7	31.2	46.8	

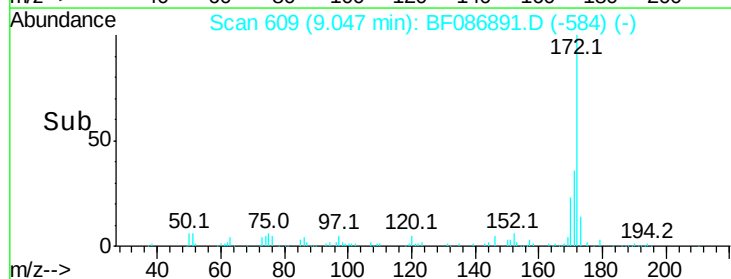
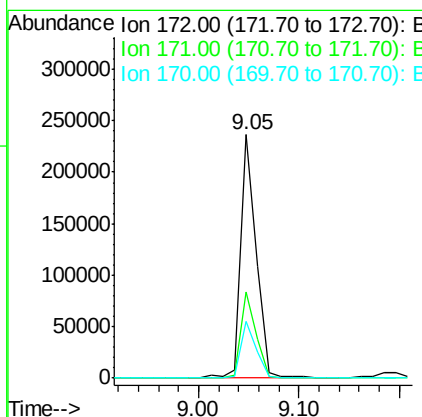
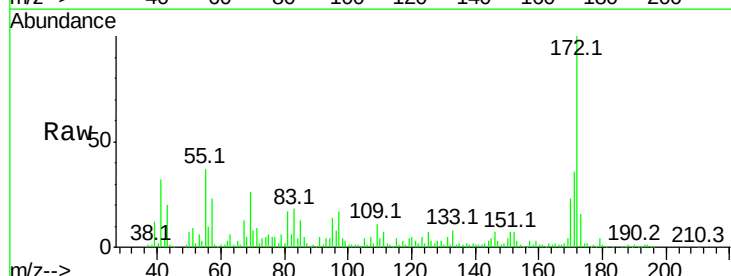
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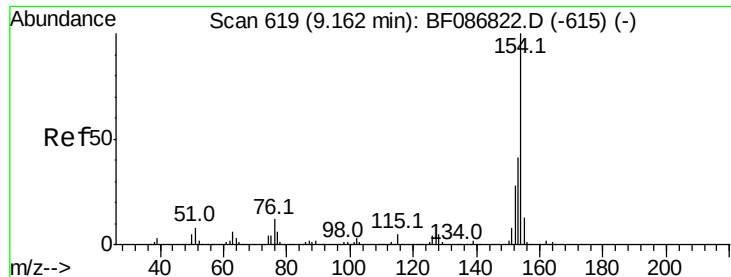
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#44
 2-Fluorobiphenyl
 Concen: 19.72 ng
 RT: 9.05 min Scan# 609
 Delta R.T. -0.01 min
 Lab File: BF086891.D
 Acq: 11 May 2016 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.6	29.0	43.6	
170	23.4	19.8	29.8	





#45

1,1'-Biphenyl

Concen: 18.80 ng

RT: 9.15 min Scan# 618

Delta R.T. -0.01 min

Lab File: BF086891.D

Acq: 11 May 2016 9:57

Instrument :

BNA_F

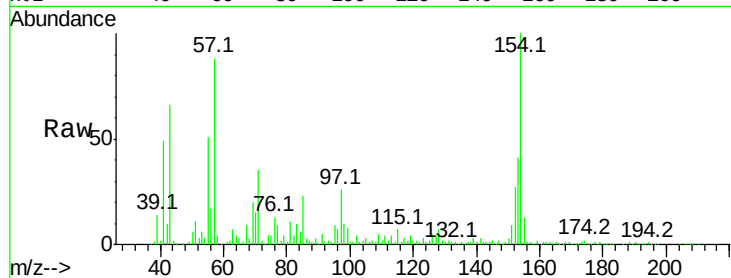
ClientSampleId :

NYSEG-CLARK-ST-ESMI-6

Tot Ion:	154	Resp:	322972
Ion Ratio	Lower	Upper	
154	100		
153	40.6	20.3	60.3
76	12.5	0.0	30.2

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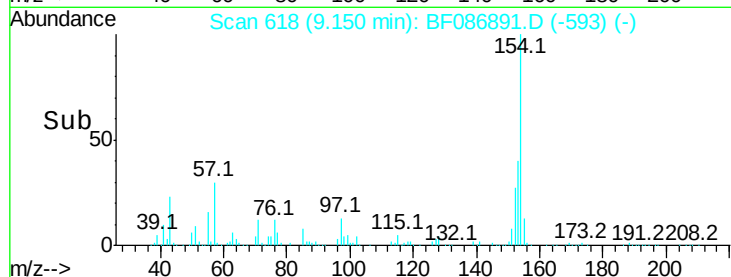


Abundance Ion 154.00 (153.70 to 154.70): E

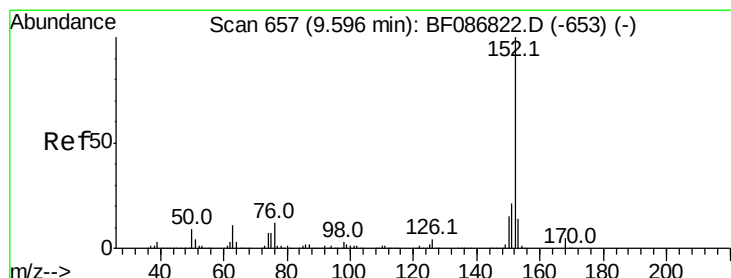
Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0

Time-->



Time-->



#48

Acenaphthylene

Concen: 12.63 ng

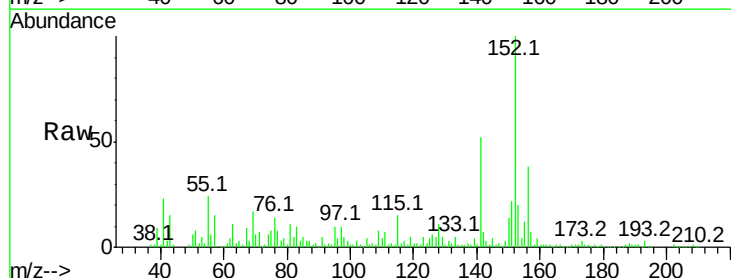
RT: 9.58 min Scan# 656

Delta R.T. -0.01 min

Lab File: BF086891.D

Acq: 11 May 2016 9:57

Tgt Ion:	152	Resp:	250011
Ion Ratio	Lower	Upper	
152	100		
151	21.8	16.8	25.2
153	20.1	10.9	16.3#

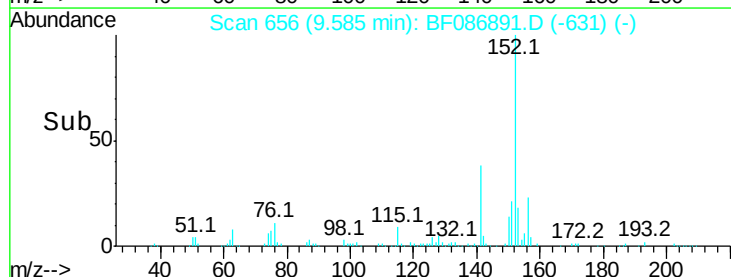


Abundance Ion 152.00 (151.70 to 152.70): E

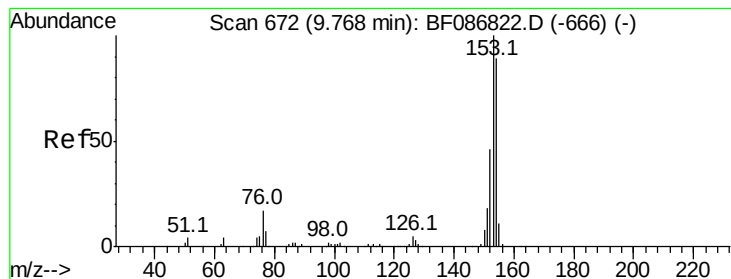
Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

Time-->



Time-->



#51

Acenaphthene

Concen: 88.45 ng

RT: 9.76 min Scan# 671

Delta R.T. -0.01 min

Lab File: BF086891.D

Acq: 11 May 2016 9:57

Instrument :

BNA_F

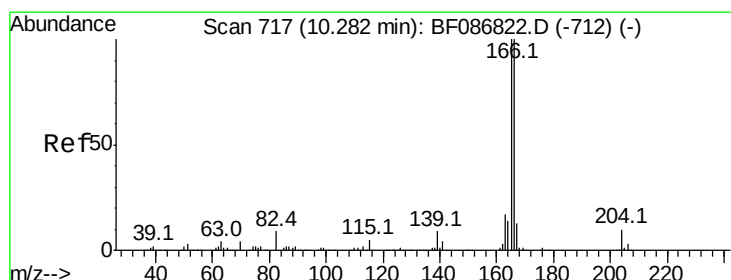
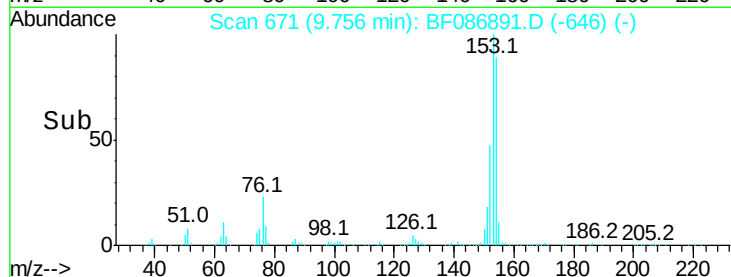
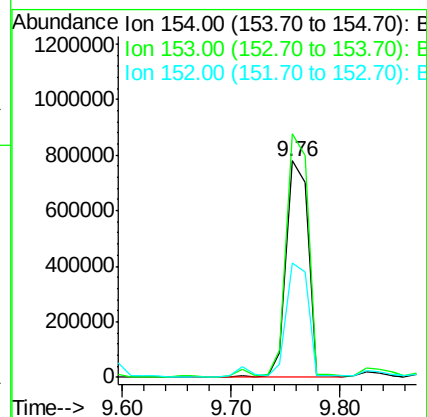
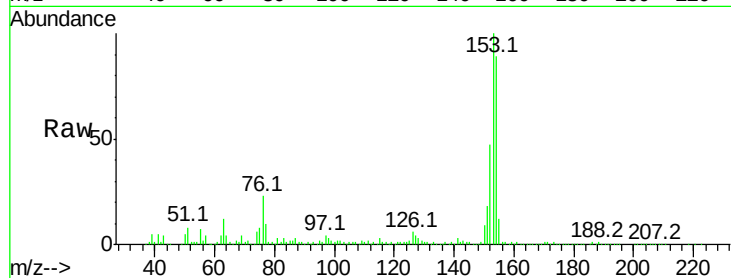
ClientSampleId :

NYSEG-CLARK-ST-ESMI-6

Manual Integrations
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Tot Ion:154	Resp: 1089046
Ion Ratio	Lower Upper
154 100	
153 112.5	89.8 134.6
152 52.6	43.4 65.0



#57

Fluorene

Concen: 48.28 ng

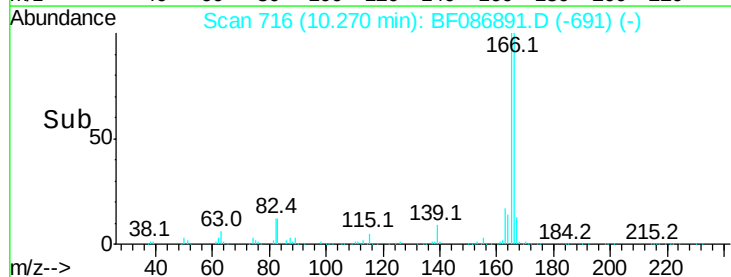
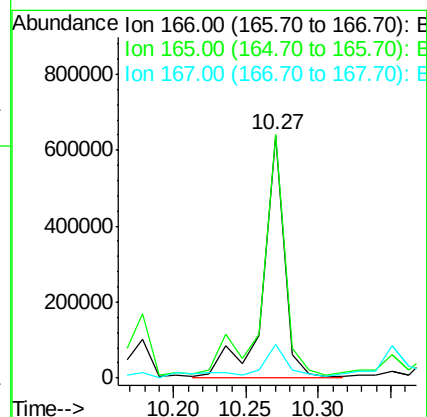
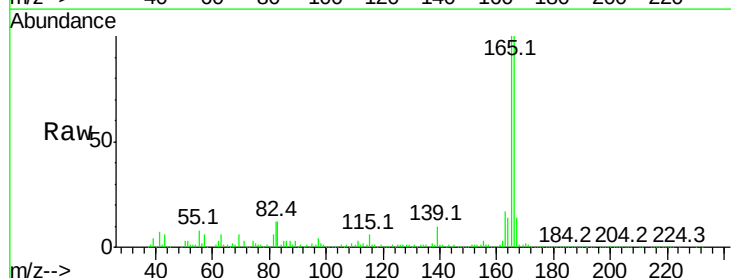
RT: 10.27 min Scan# 716

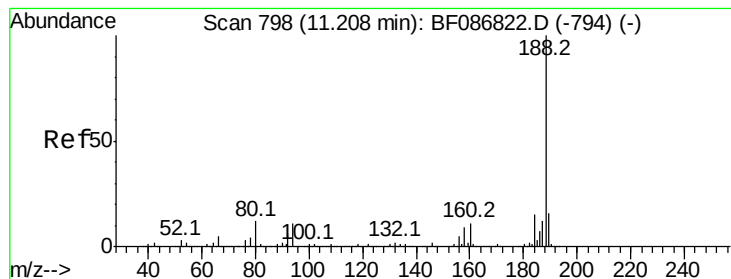
Delta R.T. -0.01 min

Lab File: BF086891.D

Acq: 11 May 2016 9:57

Tgt	Ion:166	Resp:	650763
Ion	Ratio	Lower	Upper
166	100		
165	100.3	79.0	118.6
167	14.0	10.6	15.8





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.21 min Scan# 798

Delta R.T. -0.00 min

Lab File: BF086891.D

Acq: 11 May 2016 9:57

Instrument :

BNA_F

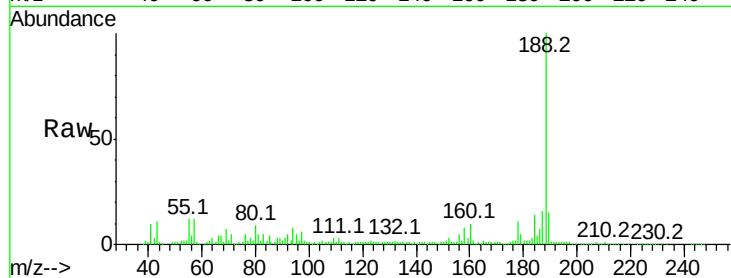
ClientSampleId :

NYSEG-CLARK-ST-ESMI-6

Tot Ion:	188	Resp:	337822
Ion Ratio	Lower	Upper	
188	100		
94	8.4	6.8	10.2
80	8.7	7.1	10.7

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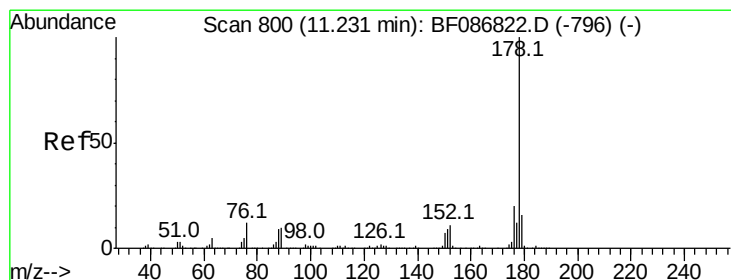
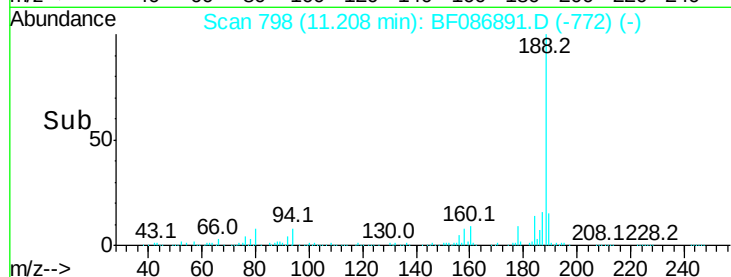
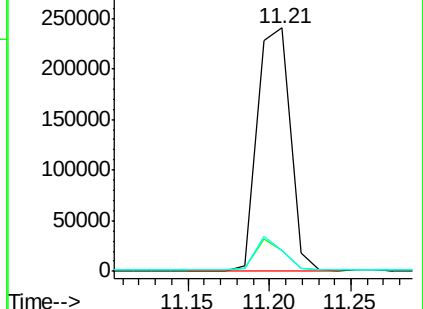
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 117.13 ng

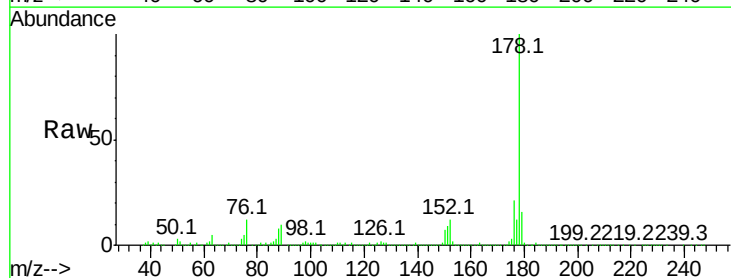
RT: 11.23 min Scan# 800

Delta R.T. -0.00 min

Lab File: BF086891.D

Acq: 11 May 2016 9:57

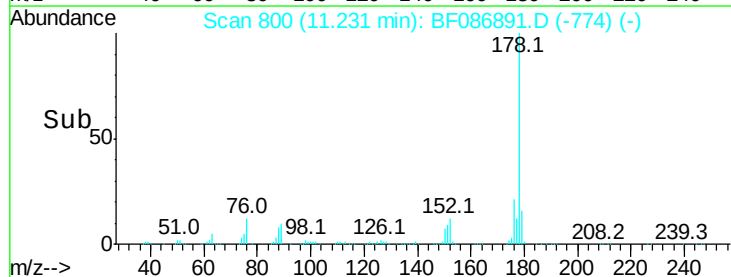
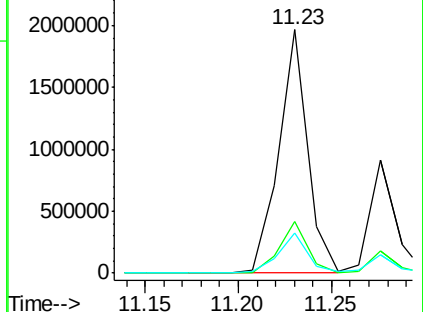
Tgt Ion:	178	Resp:	2111616
Ion Ratio	Lower	Upper	
178	100		
176	21.0	16.0	24.0
179	16.4	12.6	18.8

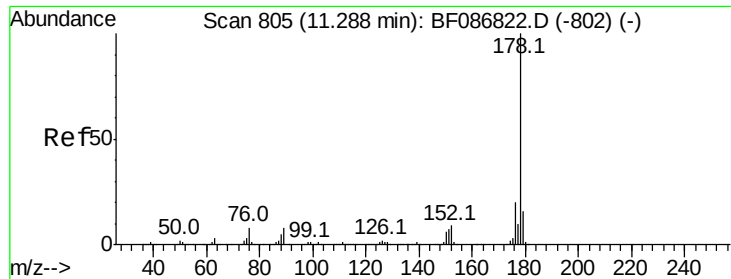


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





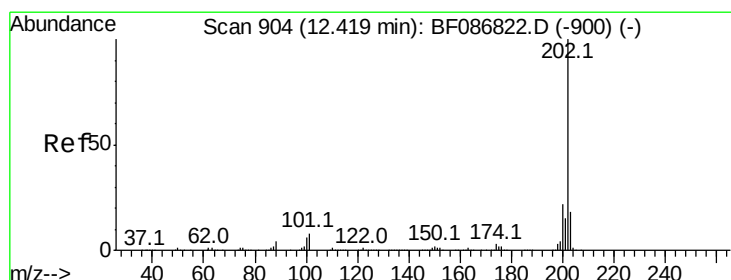
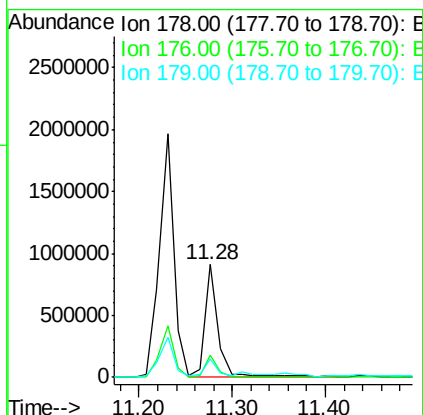
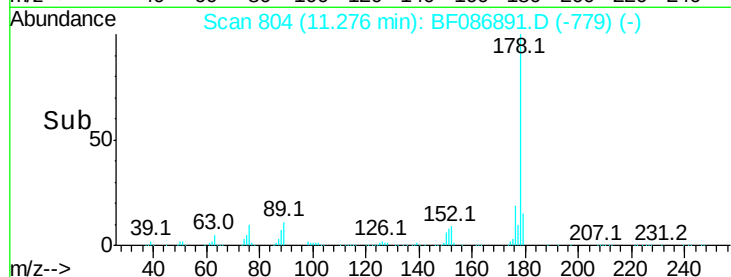
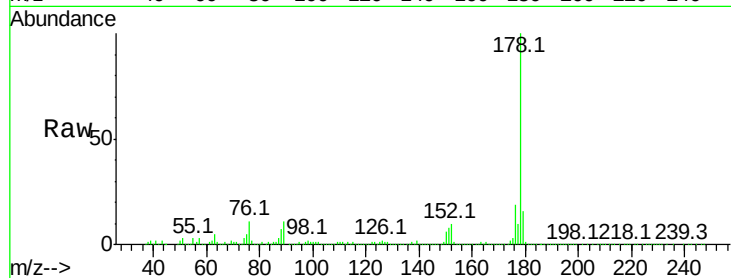
#71
 Anthracene
 Concen: 47.74 ng
 RT: 11.28 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: BF086891.D
 Acq: 11 May 2016 9:57

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-CLARK-ST-ESMI-6

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.6	23.4
179	16.1	12.7	19.1

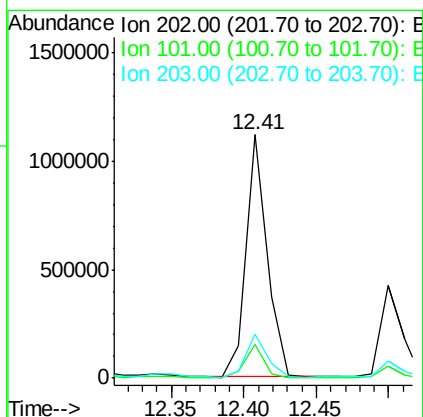
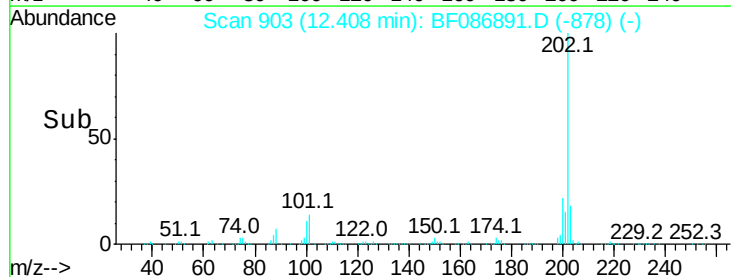
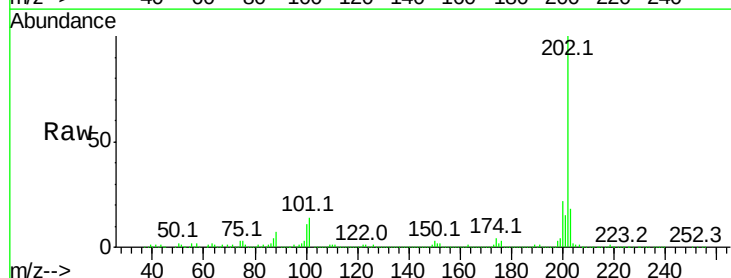
Manual Integrations
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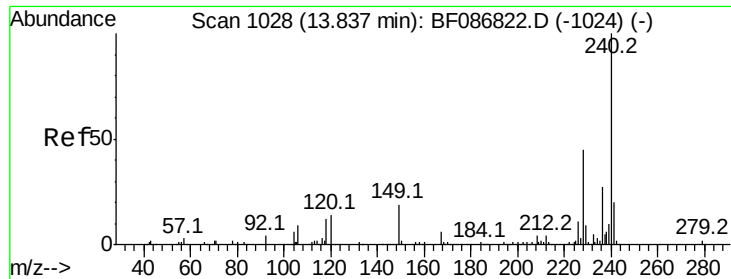
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#74
 Fluoranthene
 Concen: 60.47 ng
 RT: 12.41 min Scan# 903
 Delta R.T. -0.01 min
 Lab File: BF086891.D
 Acq: 11 May 2016 9:57

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	35.4
203	18.3	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: BF086891.D

Acq: 11 May 2016 9:57

Instrument :

BNA_F

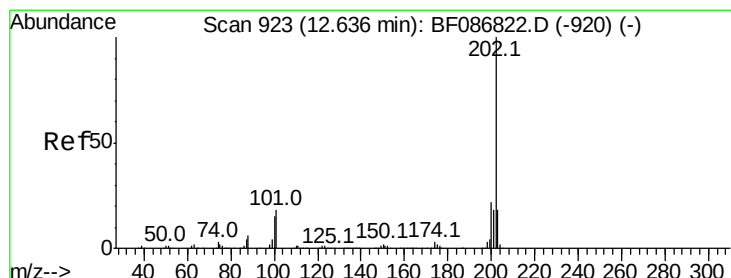
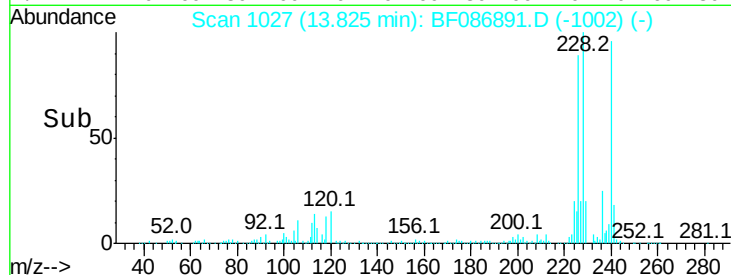
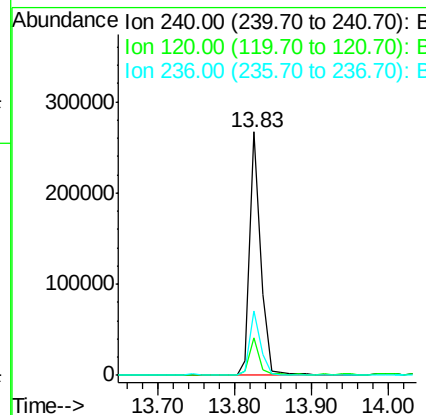
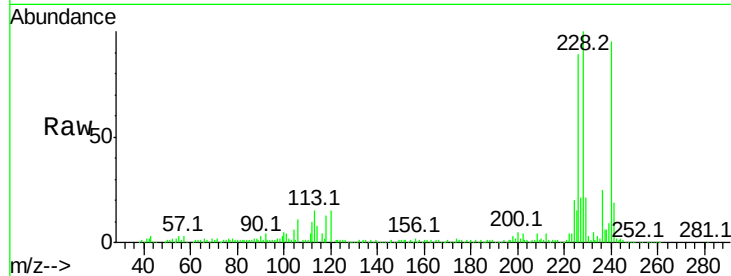
ClientSampleId :

NYSEG-CLARK-ST-ESMI-6

Tot Ion:	240	Resp:	264152
Ion Ratio	Lower	Upper	
240	100		
120	15.5	11.2	16.8
236	26.6	21.2	31.8

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#77

Pyrene

Concen: 77.50 ng

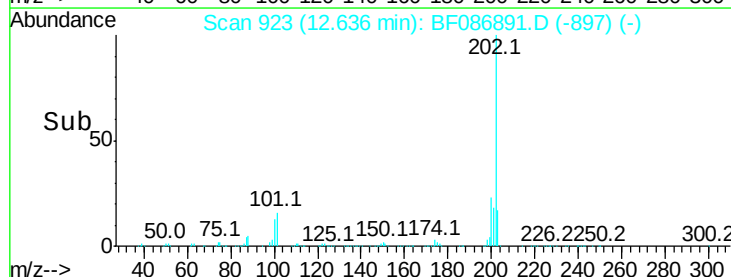
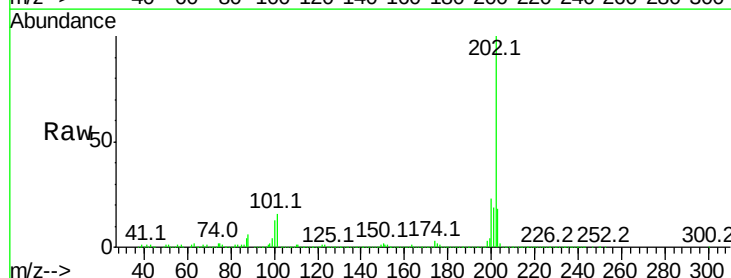
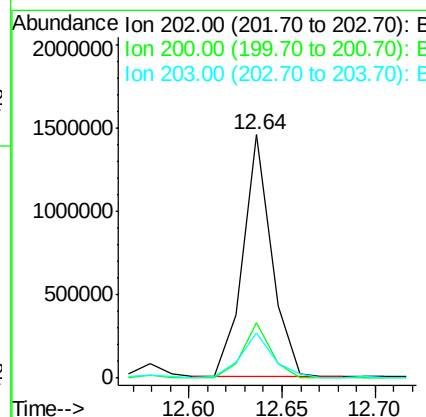
RT: 12.64 min Scan# 923

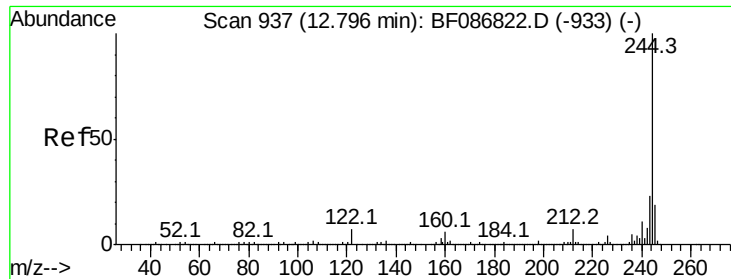
Delta R.T. -0.00 min

Lab File: BF086891.D

Acq: 11 May 2016 9:57

Tgt Ion:	202	Resp:	1567351
Ion Ratio	Lower	Upper	
202	100		
200	22.7	17.7	26.5
203	18.3	14.2	21.4





#78

Terphenyl-d14

Concen: 14.36 ng

RT: 12.77 min Scan# 935

Delta R.T. -0.02 min

Lab File: BF086891.D

Acq: 11 May 2016 9:57

Instrument :

BNA_F

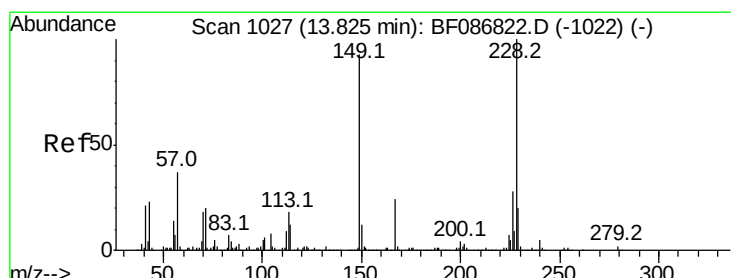
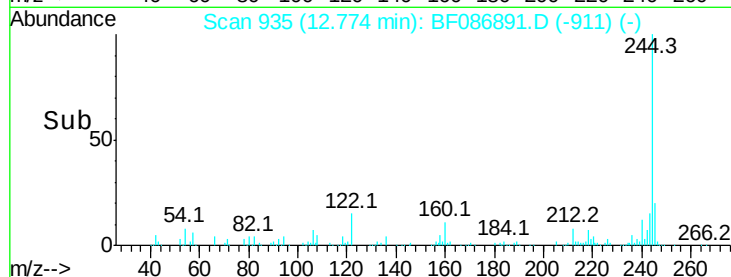
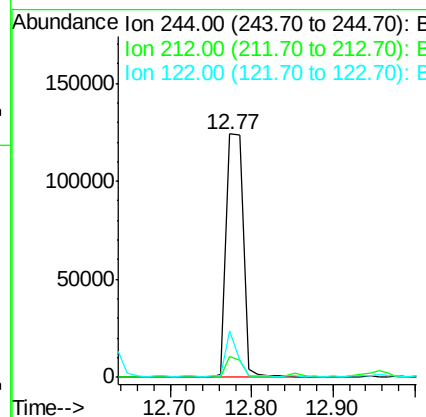
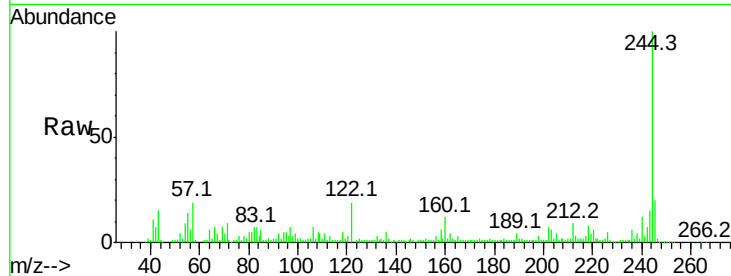
ClientSampleId :

NYSEG-CLARK-ST-ESMI-6

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	8.8	6.2	9.2	
122	19.1	12.0	18.0	

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#80

Benzo(a)anthracene

Concen: 38.76 ng

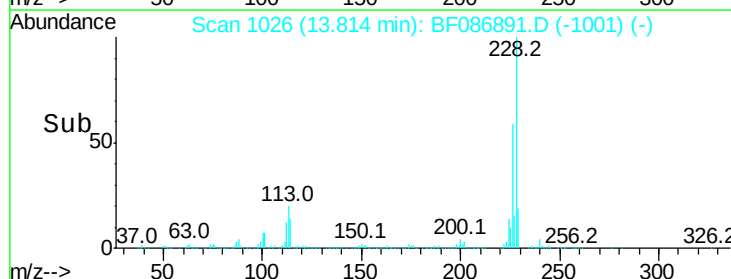
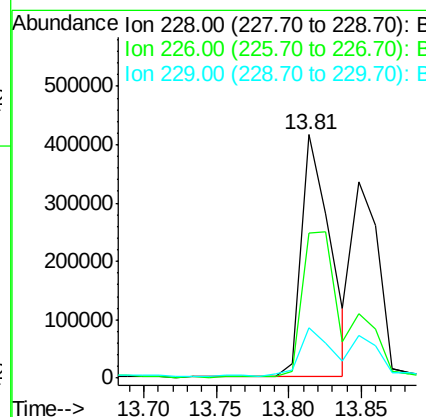
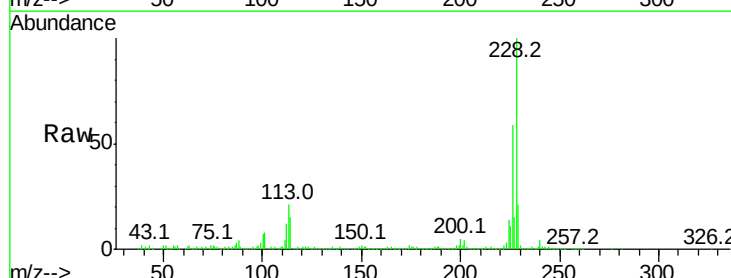
RT: 13.81 min Scan# 1026

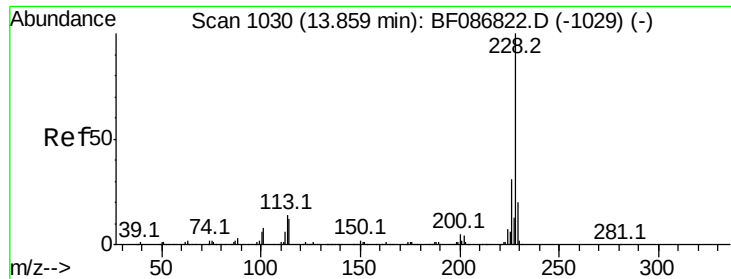
Delta R.T. -0.01 min

Lab File: BF086891.D

Acq: 11 May 2016 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	59.4	22.5	33.7	
229	20.9	16.6	25.0	





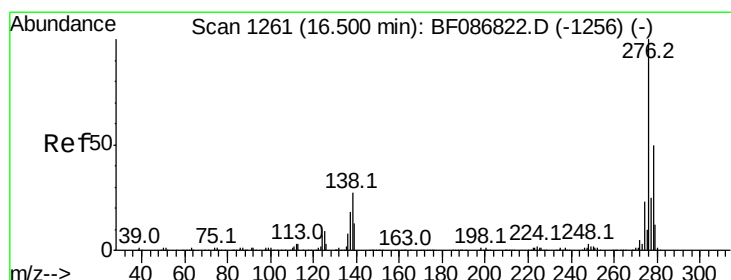
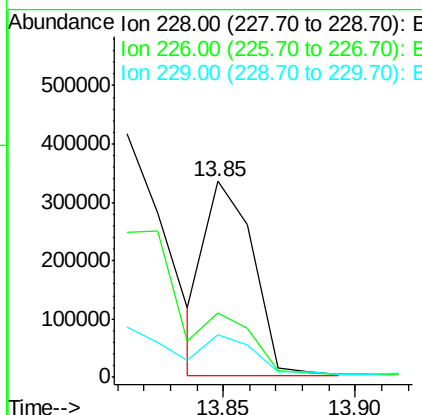
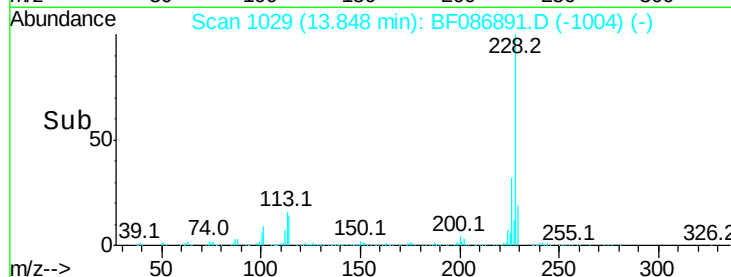
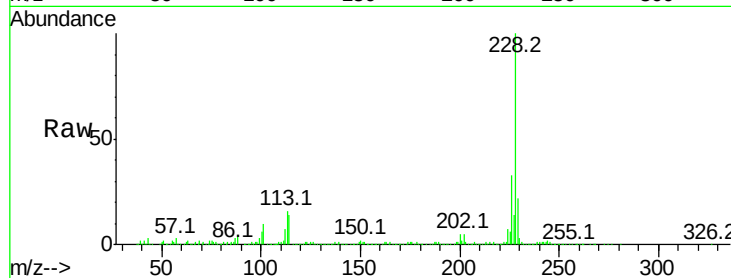
#82
Chrysene
Concen: 27.88 ng/ml
RT: 13.85 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF086891.D
Acq: 11 May 2016 9:57

Instrument :
BNA_F
ClientSampleId :
NYSEG-CLARK-ST-ESMI-6

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.0	24.4	36.6
229	21.9	15.8	23.8

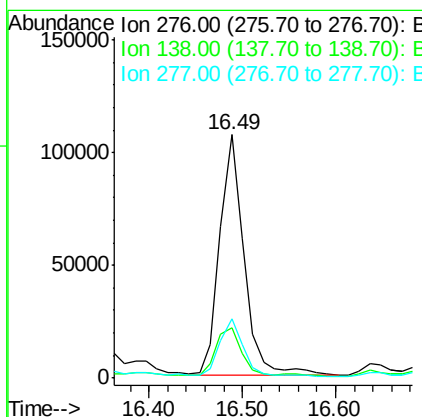
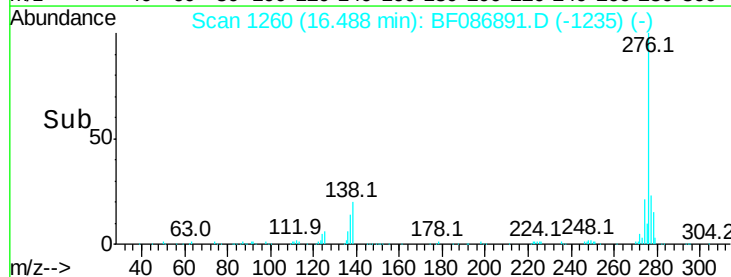
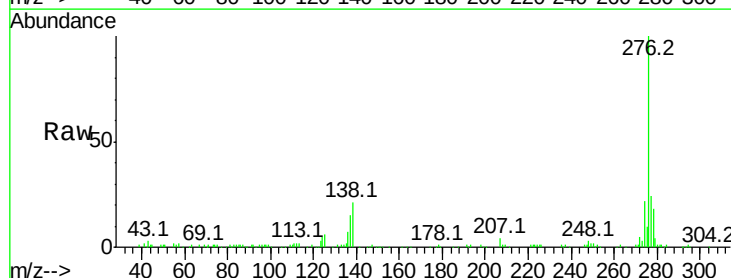
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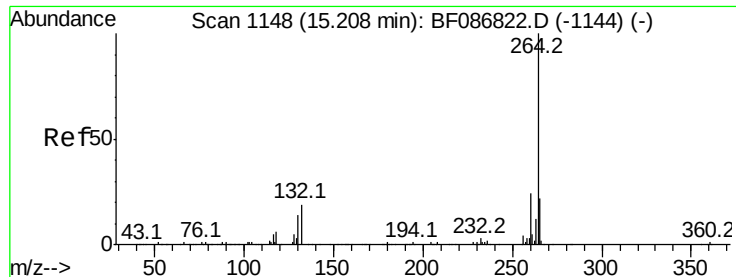
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#85
Indeno(1,2,3-cd)pyrene
Concen: 15.42 ng/ml
RT: 16.49 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BF086891.D
Acq: 11 May 2016 9:57

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.1	25.6	38.4#
277	24.2	20.5	30.7





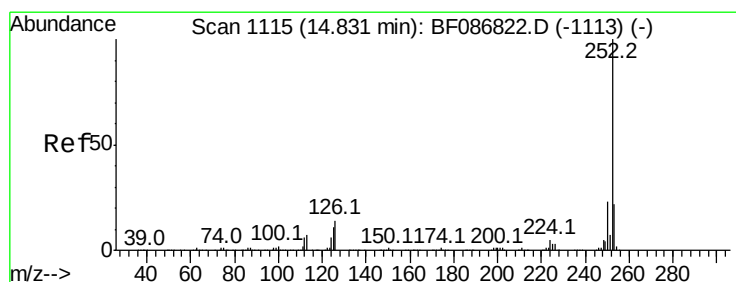
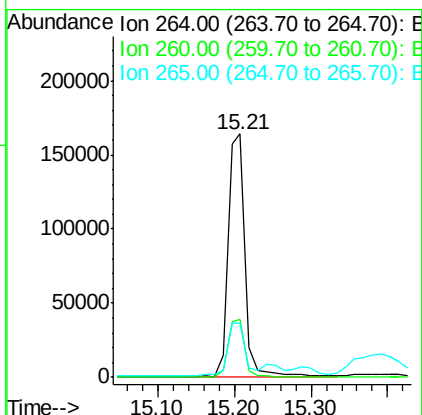
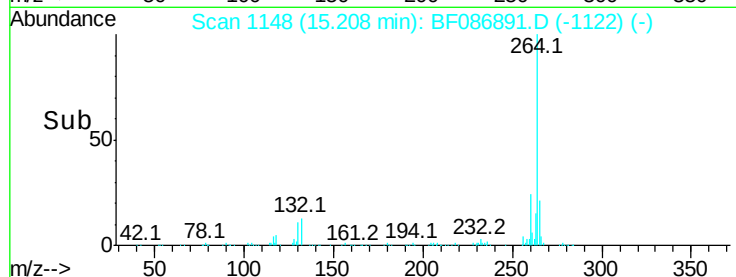
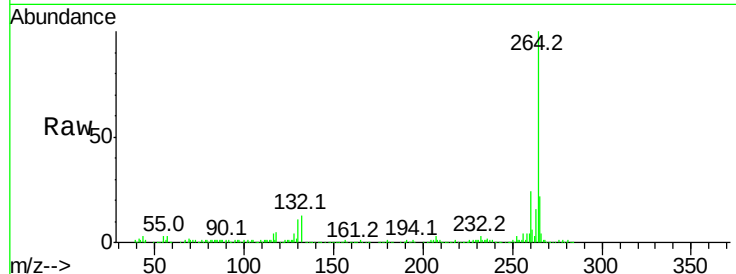
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.21 min Scan# 1148
Delta R.T. -0.00 min
Lab File: BF086891.D
Acq: 11 May 2016 9:57

Instrument :
BNA_F
ClientSampleId :
NYSEG-CLARK-ST-ESMI-6

Tot Ion	Ratio	Resp Lower	Upper
264	100		
260	23.6	19.5	29.3
265	22.0	17.3	25.9

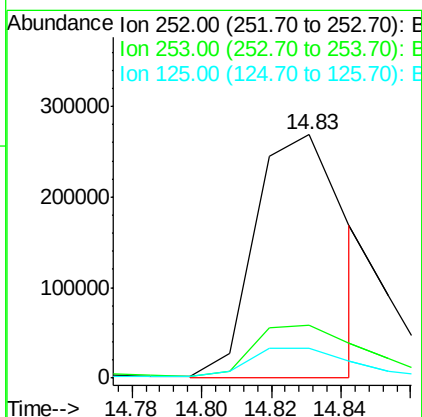
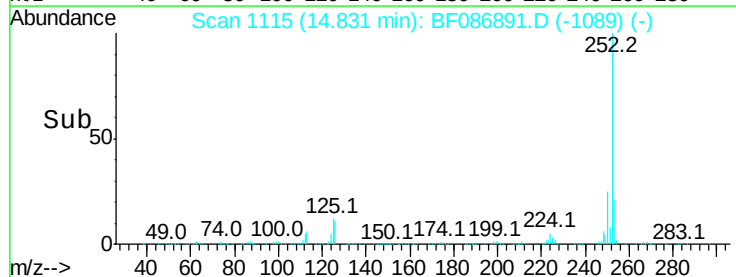
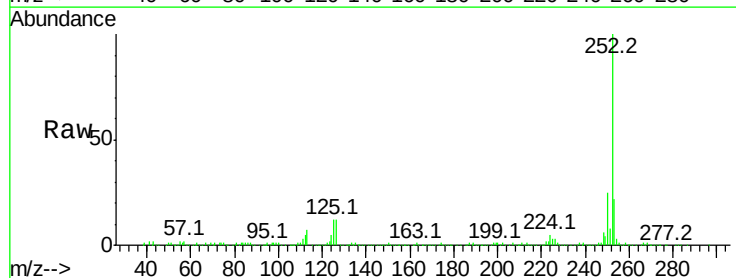
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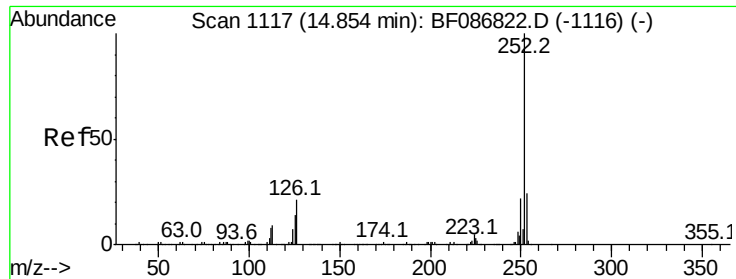
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#87
Benzo(b)fluoranthene
Concen: 28.77 ng m
RT: 14.83 min Scan# 1115
Delta R.T. -0.00 min
Lab File: BF086891.D
Acq: 11 May 2016 9:57

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	21.8	17.8	26.6
125	12.1	11.4	17.0





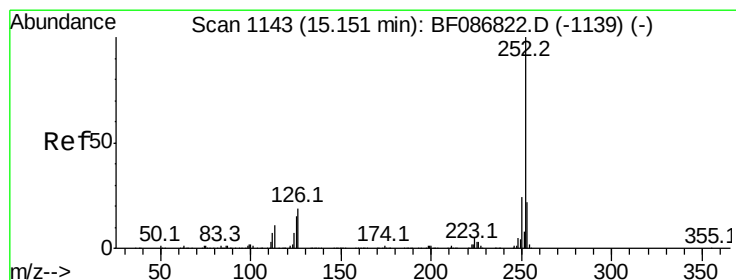
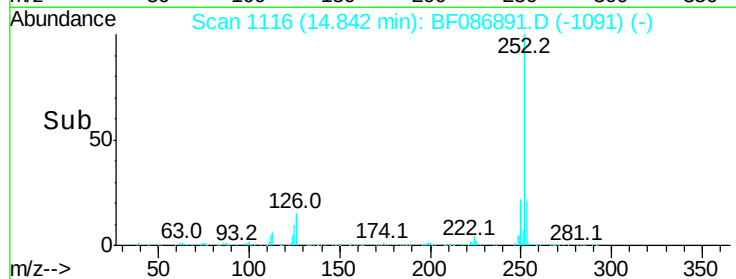
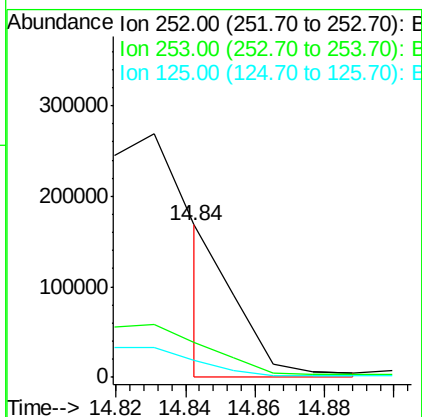
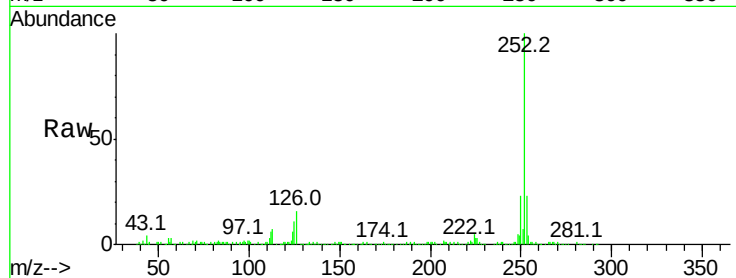
#88
Benzo(k)fluoranthene
Concen: 5.75 ng m
RT: 14.84 min Scan# 1116
Delta R.T. -0.01 min
Lab File: BF086891.D
Acq: 11 May 2016 9:57

Instrument :
BNA_F
ClientSampleId :
NYSEG-CLARK-ST-ESMI-6

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.6	17.8	26.6
125	11.2	9.1	13.7

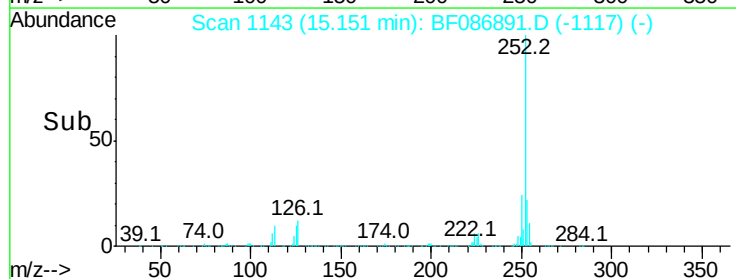
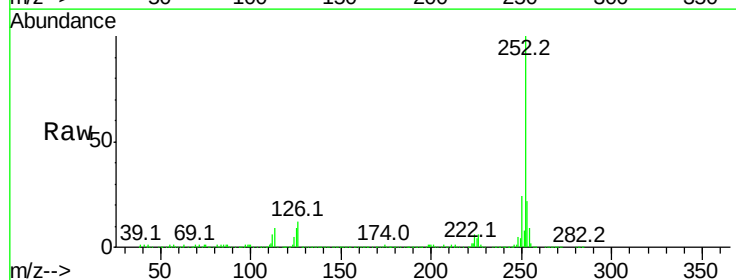
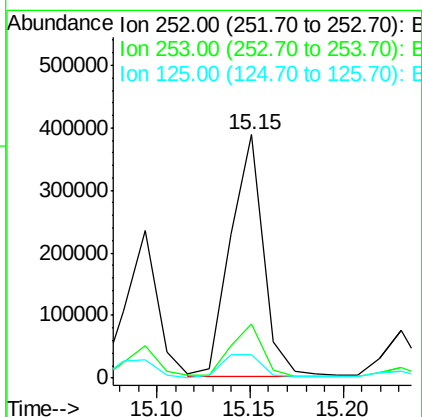
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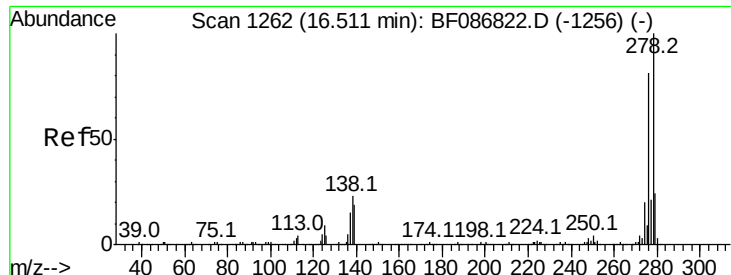
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#89
Benzo(a)pyrene
Concen: 32.97 ng
RT: 15.15 min Scan# 1143
Delta R.T. -0.00 min
Lab File: BF086891.D
Acq: 11 May 2016 9:57

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	22.3	17.2	25.8
125	9.5	9.0	13.6





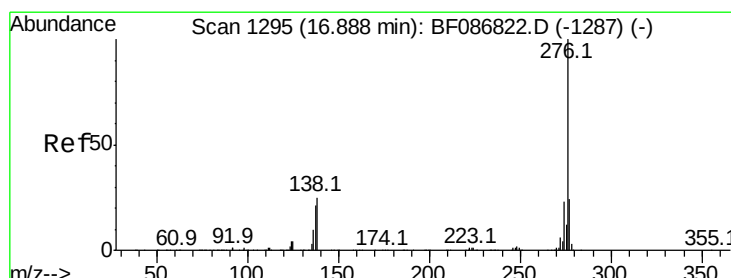
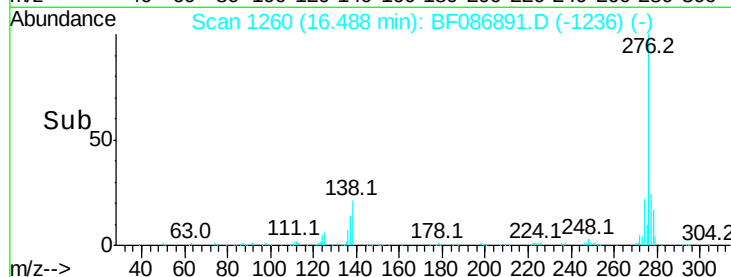
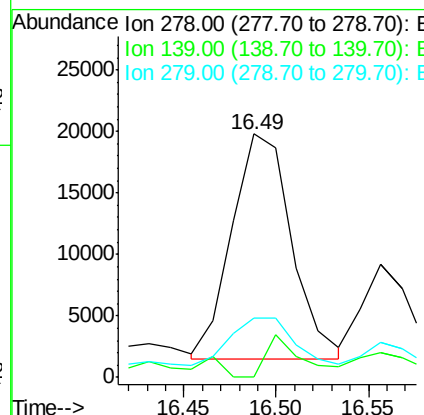
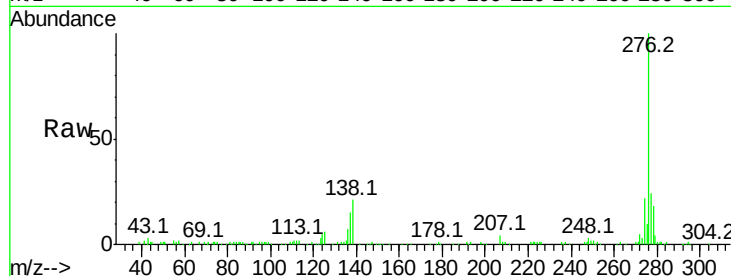
#90
Dibenzo(a,h)anthracene
Concen: 3.37 ng m
RT: 16.49 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF086891.D
Acq: 11 May 2016 9:57

Instrument :
BNA_F
ClientSampleId :
NYSEG-CLARK-ST-ESMI-6

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8#
279	24.4	19.6	29.4

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#91
Benzo(g,h,i)perylene
Concen: 18.11 ng m
RT: 16.88 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BF086891.D
Acq: 11 May 2016 9:57

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.6	29.4
138	20.9	23.6	35.4#

