

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051116\
 Data File : BF086923.D
 Acq On : 12 May 2016 9:48
 Operator : UM/SJ
 Sample : H2961-04DL 25X
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: May 12 15:55:07 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 12 15:26:18 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	130608	20.00	ng	-0.01
21) Naphthalene-d8	7.92	136	506348	20.00	ng	-0.01
38) Acenaphthene-d10	9.67	164	200451	20.00	ng	-0.01
63) Phenanthrene-d10	11.14	188	308380	20.00	ng	-0.01
75) Chrysene-d12	13.77	240	303558	20.00	ng	-0.01
86) Perylene-d12	15.13	264	226756	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	29042	3.77	ng	0.00
7) Phenol-d6	6.31	99	40714	3.95	ng	-0.01
23) Nitrobenzene-d5	7.20	82	30320	3.01	ng	-0.02
41) 2,4,6-Tribromophenol	10.46	330	4959	2.34	ng	-0.01
44) 2-Fluorobiphenyl	8.99	172	49072	4.11	ng	-0.01
78) Terphenyl-d14	12.73	244	35492	2.48	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	7.94	128	824619	32.51	ng	99
37) 2-Methylnaphthalene	8.63	142	205459m	13.86	ng	
45) 1,1'-Biphenyl	9.10	154	68290	4.28	ng	97
48) Acenaphthylene	9.53	152	54097	2.94	ng	# 95
51) Acenaphthene	9.70	154	252754	22.11	ng	97
57) Fluorene	10.22	166	119919	9.58	ng	99
70) Phenanthrene	11.16	178	531779	32.31	ng	99
71) Anthracene	11.22	178	185698	11.03	ng	98
74) Fluoranthene	12.35	202	278241	16.44	ng	92
77) Pyrene	12.58	202	401595	17.28	ng	98
80) Benzo(a)anthracene	13.76	228	136358m	8.00	ng	
82) Chrysene	13.79	228	92384	5.33	ng	99
85) Indeno(1,2,3-cd)pyrene	16.39	276	32995	2.29	ng	# 92
87) Benzo(b)fluoranthene	14.77	252	76819m	5.21	ng	
88) Benzo(k)fluoranthene	14.78	252	30200m	2.50	ng	
89) Benzo(a)pyrene	15.09	252	89694	7.06	ng	98
91) Benzo(g,h,i)perylene	16.77	276	38137m	3.50	ng	

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

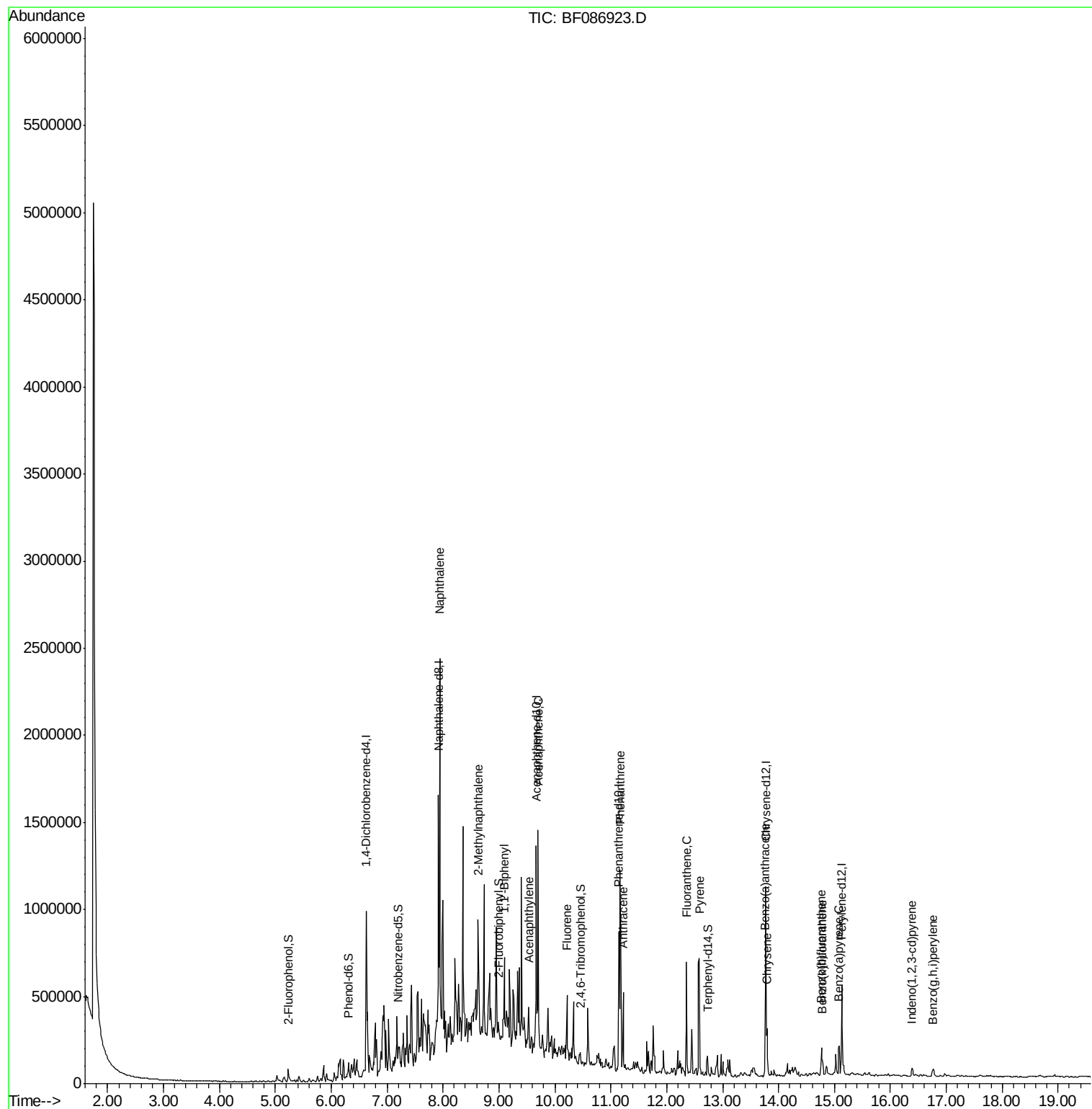
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051116\
Data File : BF086923.D
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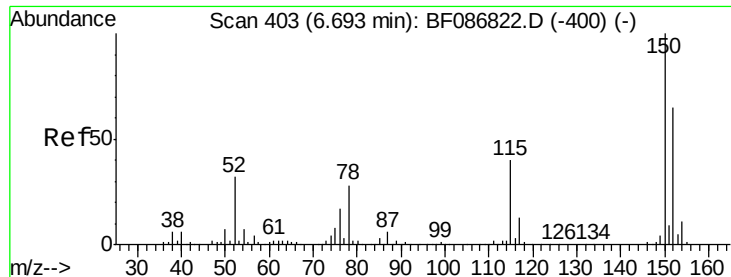
Instrument :
BNA_F
ClientSampleId :
NYSEG-CLARK-ST-ESMI-6DL

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.63 min Scan# 441

Delta R.T. -0.01 min

Lab File: BF086923.D

Acq: 12 May 2016 9:48

Instrument :

BNA_F

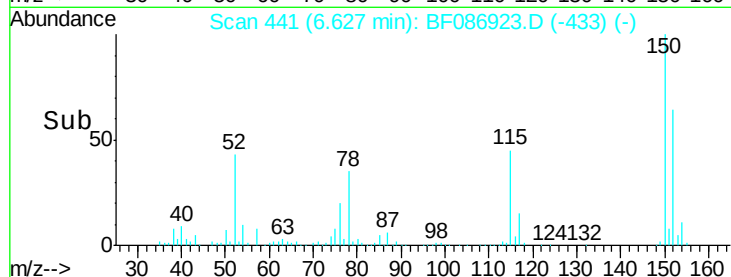
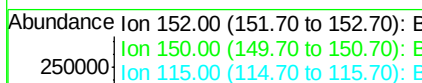
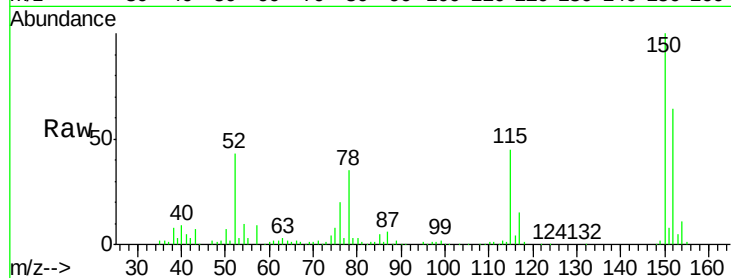
ClientSampleId :

NYSEG-CLARK-ST-ESMI-6DL

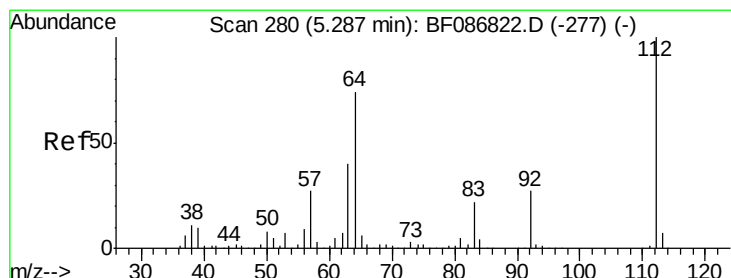
Tgt Ion:	152	Resp:	130608
Ion Ratio	Lower	Upper	
152	100		
150	156.8	125.8	188.6
115	71.1	51.5	77.3

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Time-->



#5

2-Fluorophenol

Concen: 3.77 ng

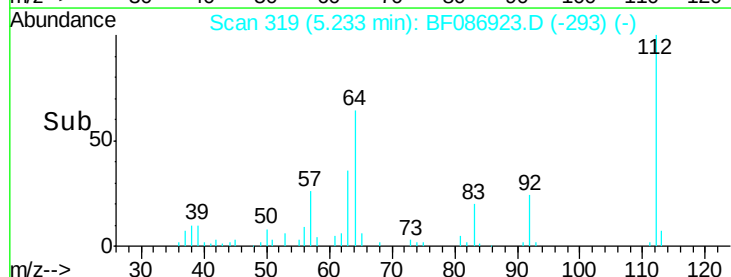
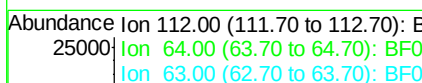
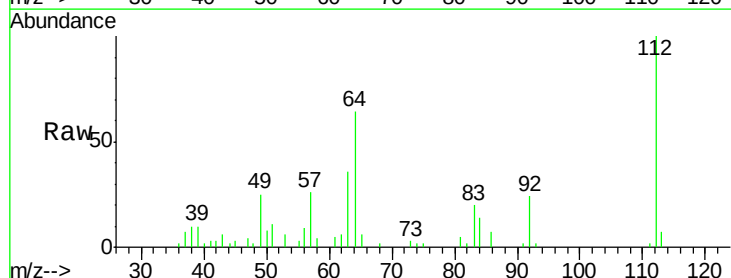
RT: 5.23 min Scan# 319

Delta R.T. -0.00 min

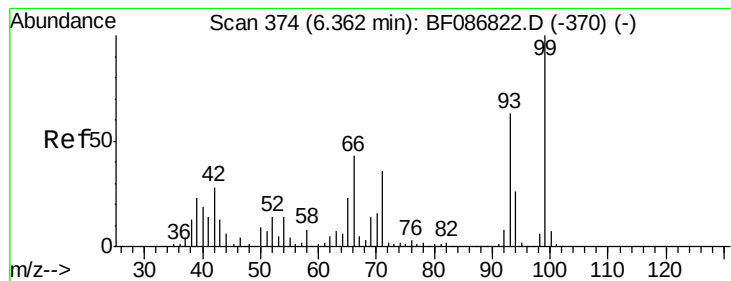
Lab File: BF086923.D

Acq: 12 May 2016 9:48

Tgt Ion:	112	Resp:	29042
Ion Ratio	Lower	Upper	
112	100		
64	63.6	52.1	78.1
63	36.4	25.7	38.5



Time-->



#7

Phenol-d6

Concen: 3.95 ng

RT: 6.31 min Scan# 413

Delta R.T. -0.01 min

Lab File: BF086923.D

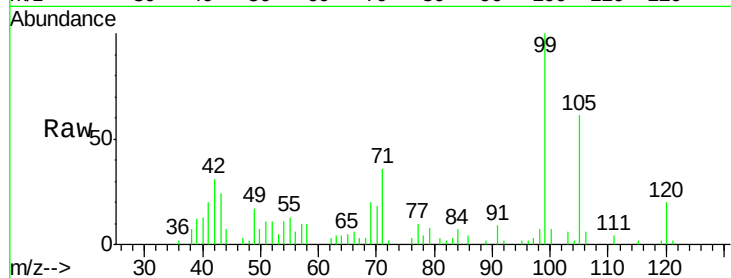
Acq: 12 May 2016 9:48

Instrument :

BNA_F

ClientSampleId :

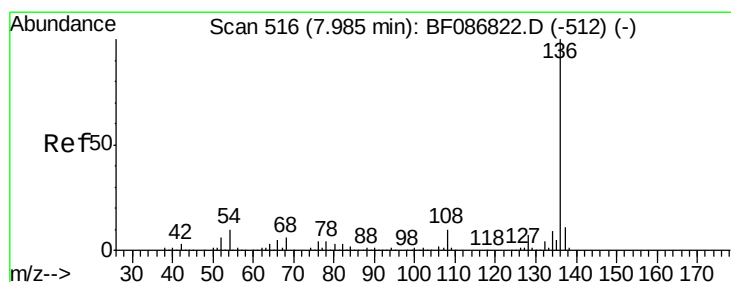
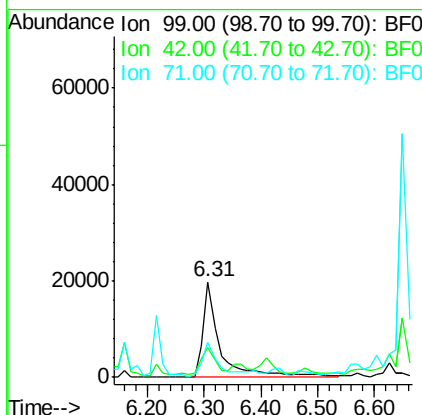
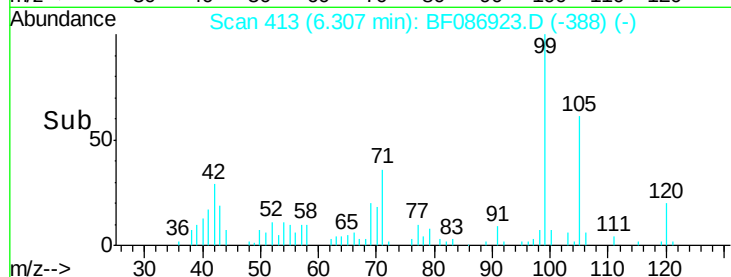
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Tgt Ion	Ratio	Lower	Upper
99	100		
42	31.0	13.6	20.4#
71	36.2	24.6	36.8

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#21

Naphthalene-d8

Concen: 20.00 ng

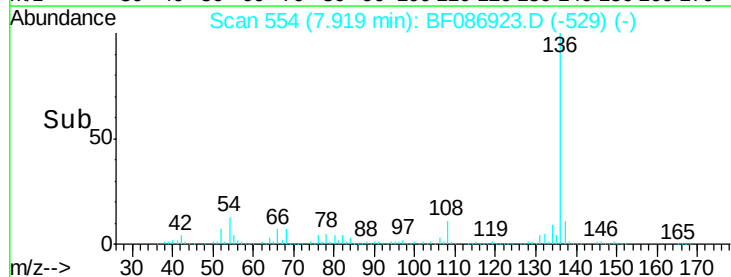
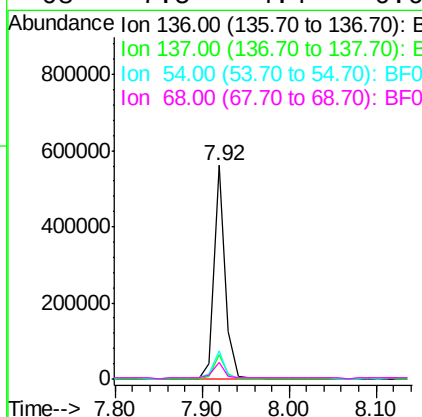
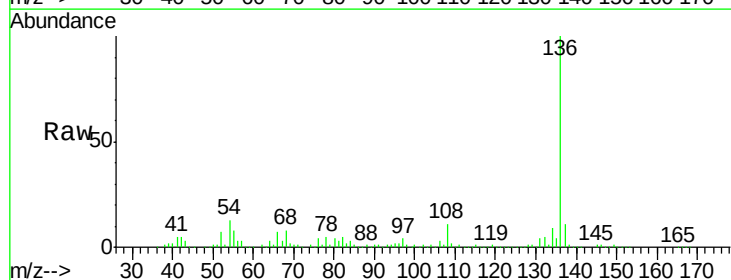
RT: 7.92 min Scan# 554

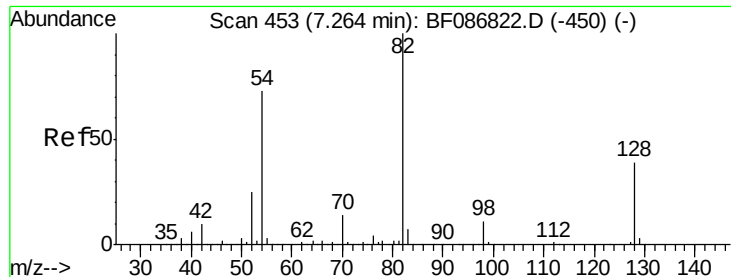
Delta R.T. -0.01 min

Lab File: BF086923.D

Acq: 12 May 2016 9:48

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	13.4	5.0	7.4#
68	7.5	4.4	6.6#





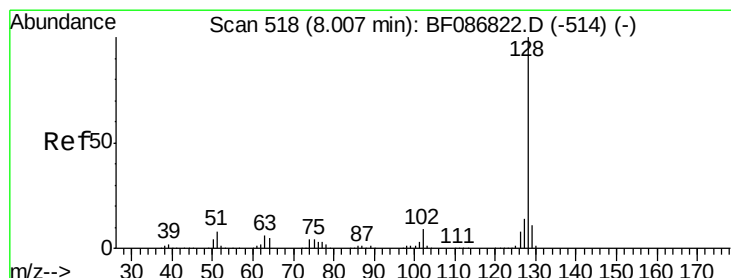
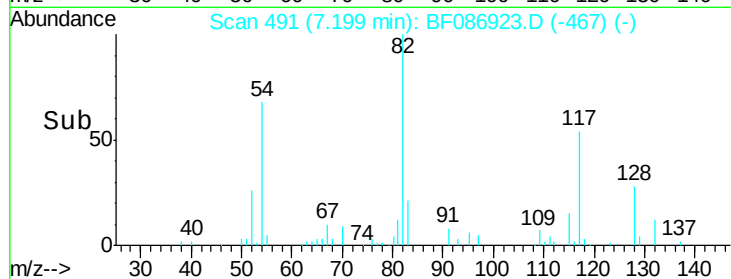
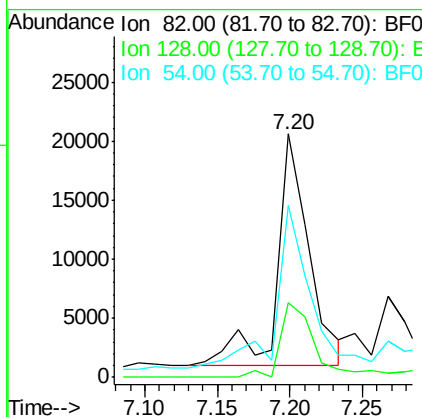
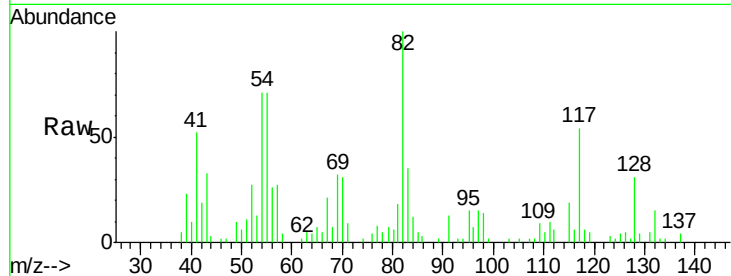
#23
 Nitrobenzene-d5
 Concen: 3.01 ng
 RT: 7.20 min Scan# 491
 Delta R.T. -0.02 min
 Lab File: BF086923.D
 Acq: 12 May 2016 9:48

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

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	30.5	40.6	61.0#
54	70.6	38.1	57.1#

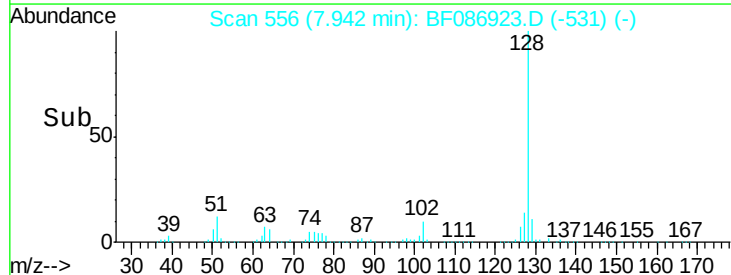
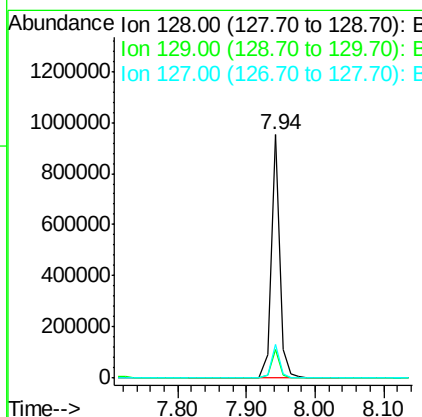
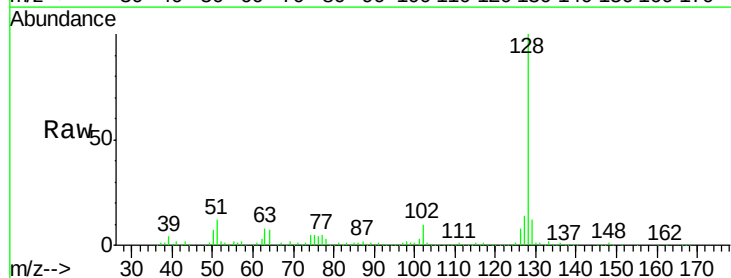
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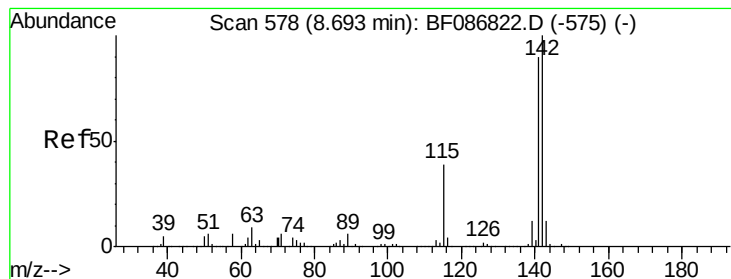
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#31
 Naphthalene
 Concen: 32.51 ng
 RT: 7.94 min Scan# 556
 Delta R.T. -0.01 min
 Lab File: BF086923.D
 Acq: 12 May 2016 9:48

Tgt Ion	Ratio	Resp Lower	Upper
128	100		
129	11.6	8.6	13.0
127	13.8	10.8	16.2





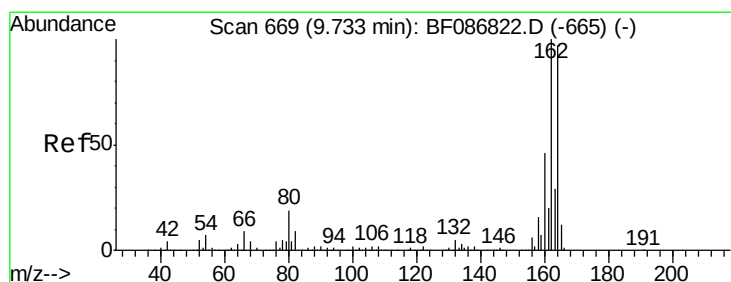
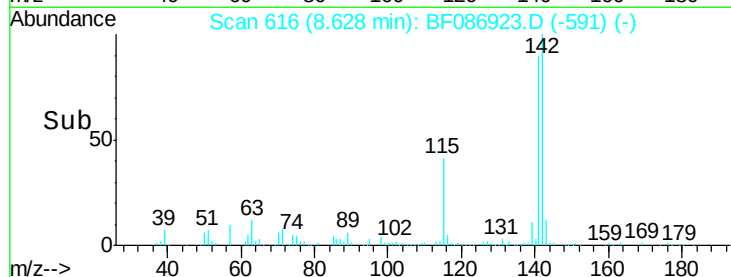
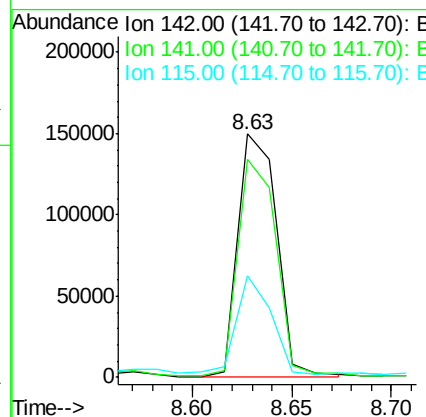
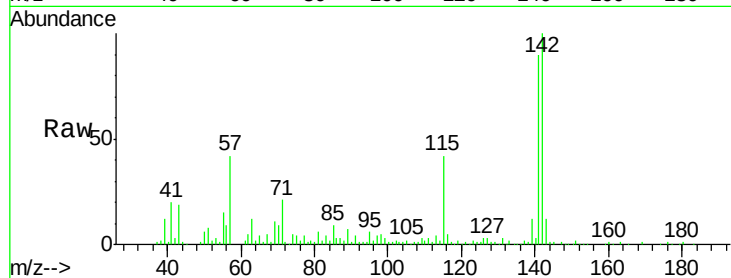
#37
 2-Methylnaphthalene
 Concen: 13.86 ng m
 RT: 8.63 min Scan# 616
 Delta R.T. -0.01 min
 Lab File: BF086923.D
 Acq: 12 May 2016 9:48

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
142	100	205459		
141	89.6	71.0	106.6	
115	41.5	26.6	39.8#	

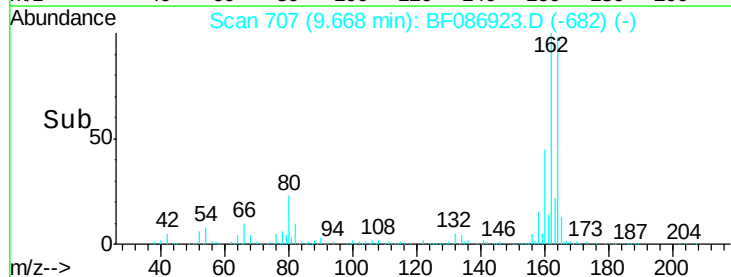
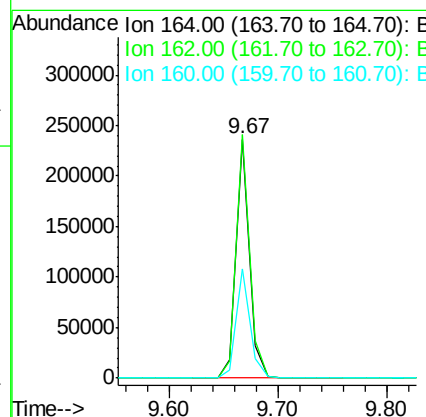
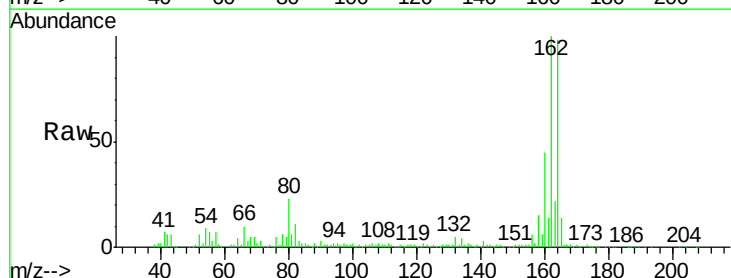
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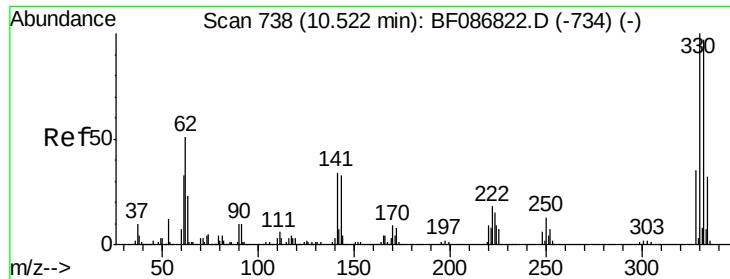
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.67 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: BF086923.D
 Acq: 12 May 2016 9:48

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	200451		
162	102.1	82.8	124.2	
160	45.9	36.9	55.3	





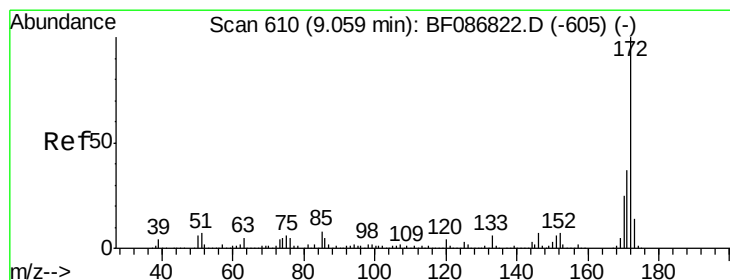
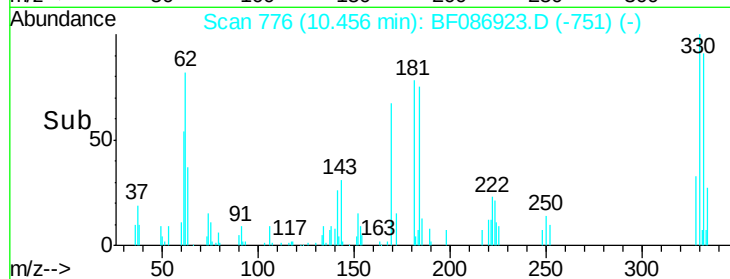
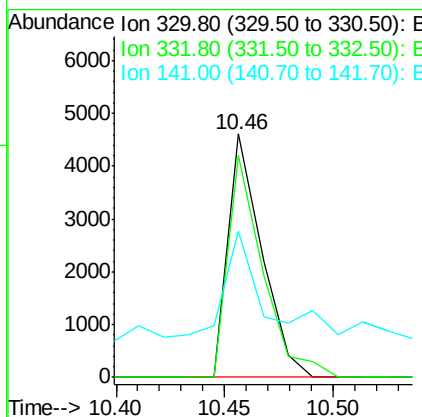
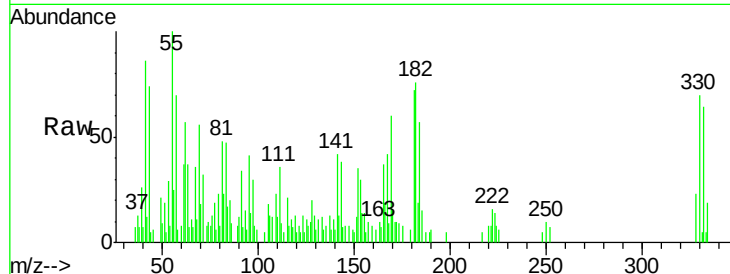
#41
 2,4,6-Tribromophenol
 Concen: 2.34 ng
 RT: 10.46 min Scan# 776
 Delta R.T. -0.01 min
 Lab File: BF086923.D
 Acq: 12 May 2016 9:48

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

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	4959		
332	94.5	79.0	118.4	
141	57.8	31.2	46.8#	

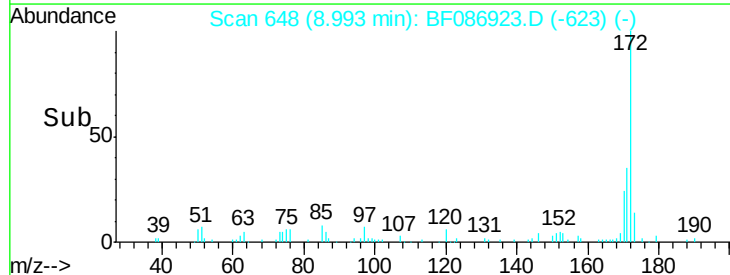
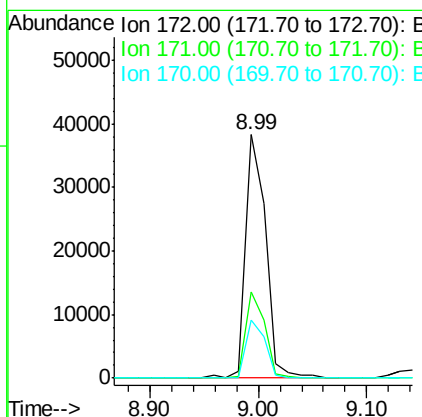
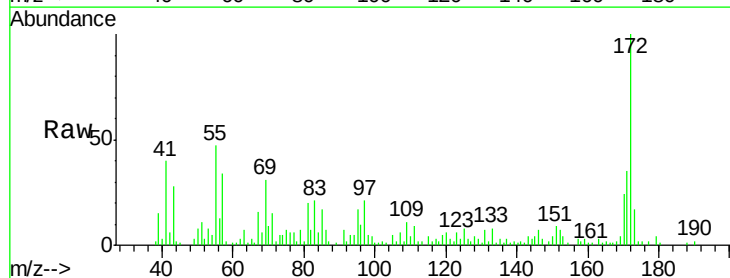
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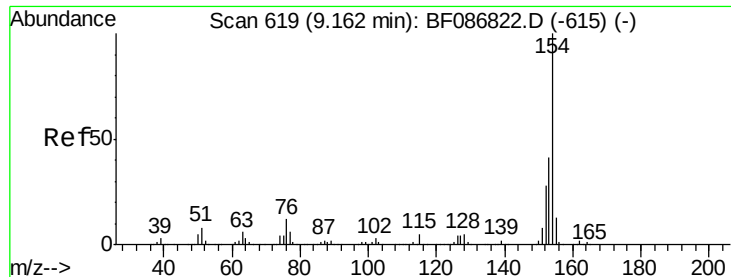
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#44
 2-Fluorobiphenyl
 Concen: 4.11 ng
 RT: 8.99 min Scan# 648
 Delta R.T. -0.01 min
 Lab File: BF086923.D
 Acq: 12 May 2016 9:48

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	49072		
171	35.4	29.0	43.6	
170	23.9	19.8	29.8	





#45

1,1'-Biphenyl

Concen: 4.28 ng

RT: 9.10 min Scan# 657

Delta R.T. -0.01 min

Lab File: BF086923.D

Acq: 12 May 2016 9:48

Instrument :

BNA_F

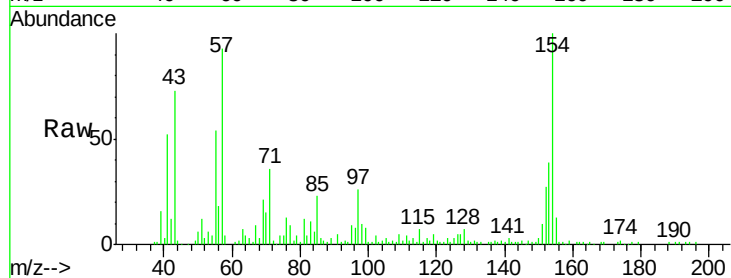
ClientSampleId :

NYSEG-CLARK-ST-ESMI-6DL

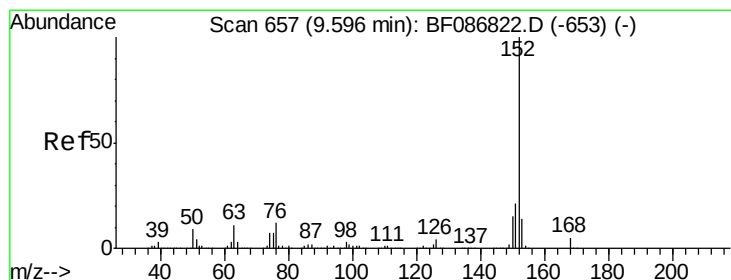
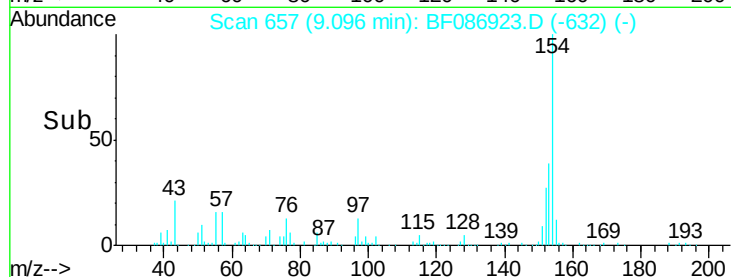
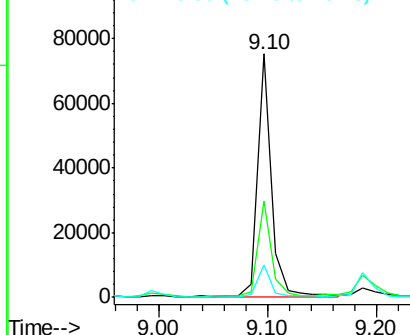
Tgt Ion:	154	Resp:	68290
Ion Ratio	Lower	Upper	
154	100		
153	39.4	20.3	60.3
76	13.3	0.0	30.2

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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



#48

Acenaphthylene

Concen: 2.94 ng

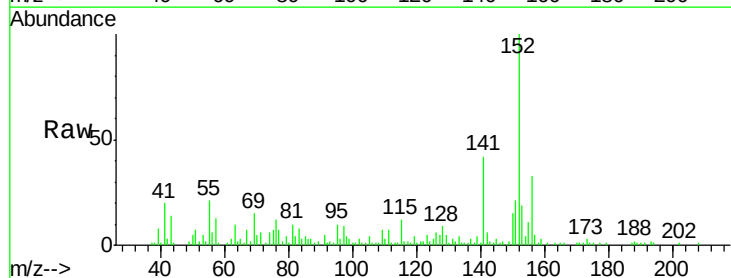
RT: 9.53 min Scan# 695

Delta R.T. -0.01 min

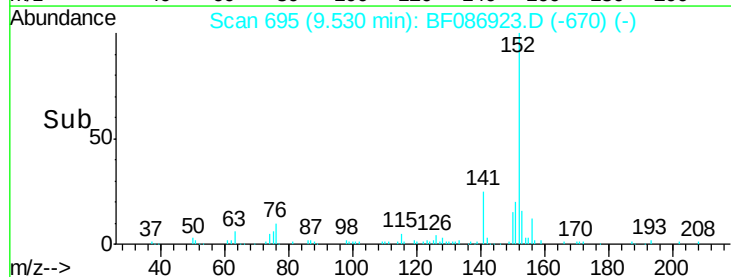
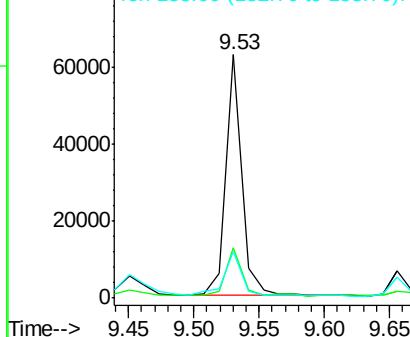
Lab File: BF086923.D

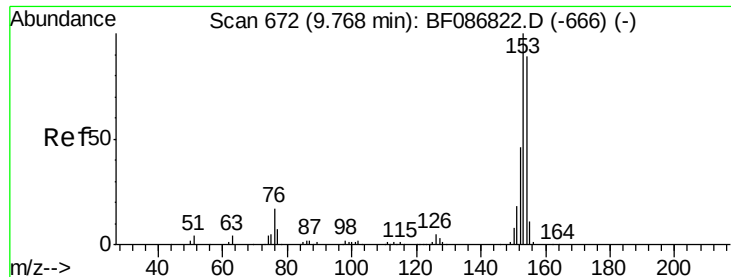
Acq: 12 May 2016 9:48

Tgt Ion:	152	Resp:	54097
Ion Ratio	Lower	Upper	
152	100		
151	20.9	16.8	25.2
153	19.1	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





#51

Acenaphthene

Concen: 22.11 ng

RT: 9.70 min Scan# 710

Delta R.T. -0.01 min

Lab File: BF086923.D

Acq: 12 May 2016 9:48

Instrument :

BNA_F

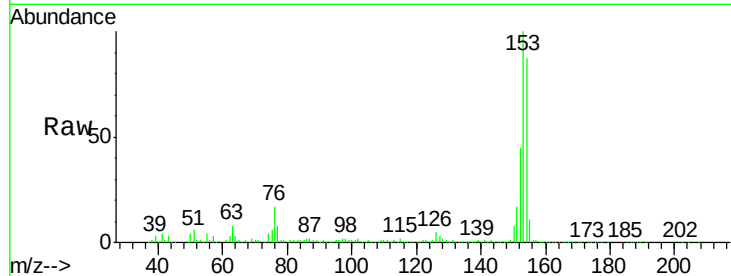
ClientSampleId :

NYSEG-CLARK-ST-ESMI-6DL

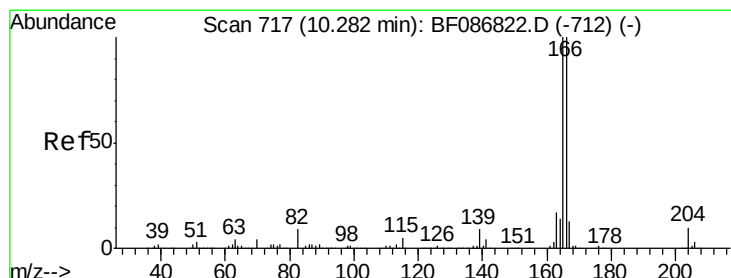
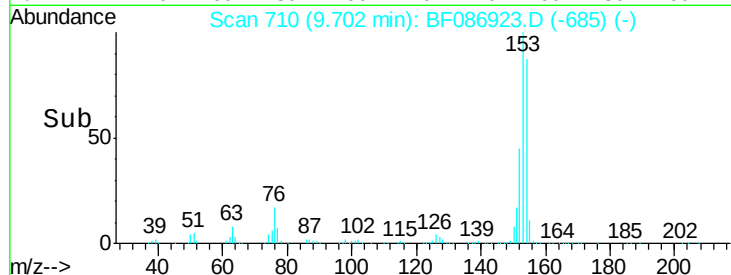
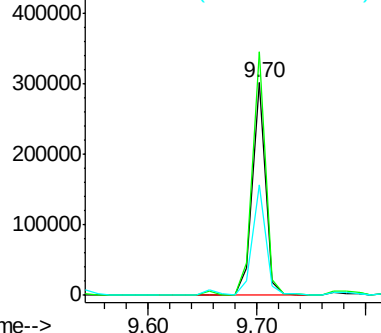
Tgt Ion:	154	Resp:	252754
Ion Ratio	Lower	Upper	
154	100		
153	114.6	89.8	134.6
152	51.9	43.4	65.0

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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: 9.58 ng

RT: 10.22 min Scan# 755

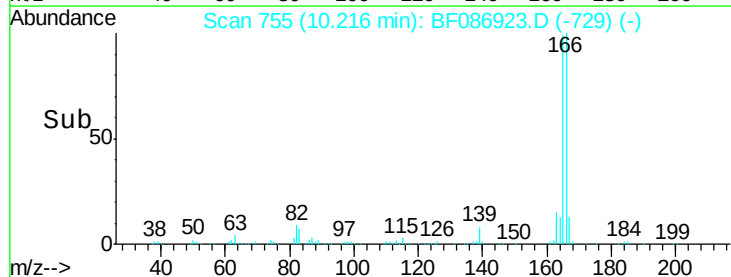
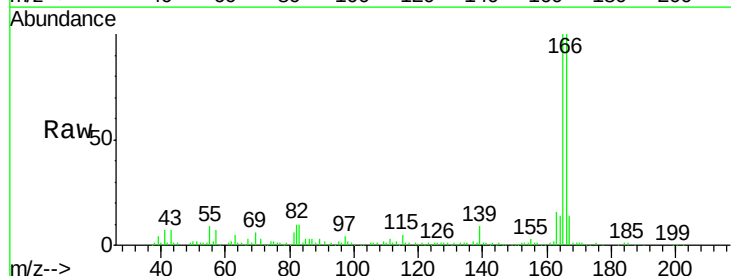
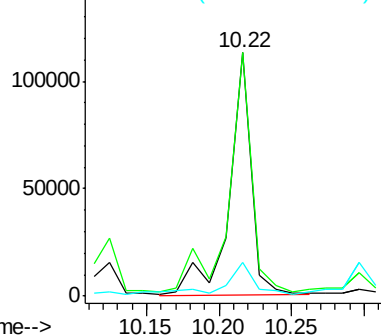
Delta R.T. -0.00 min

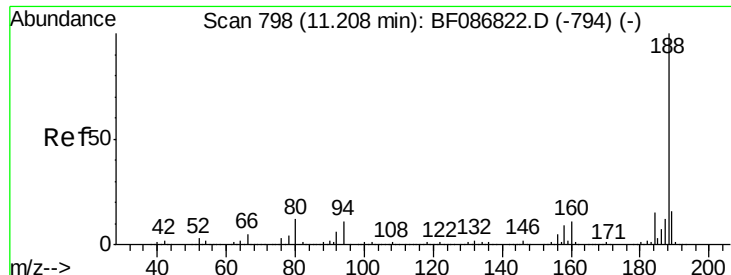
Lab File: BF086923.D

Acq: 12 May 2016 9:48

Tgt Ion:	166	Resp:	119919
Ion Ratio	Lower	Upper	
166	100		
165	99.8	79.0	118.6
167	13.7	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: 11.14 min Scan# 836

Delta R.T. -0.01 min

Lab File: BF086923.D

Acq: 12 May 2016 9:48

Instrument :

BNA_F

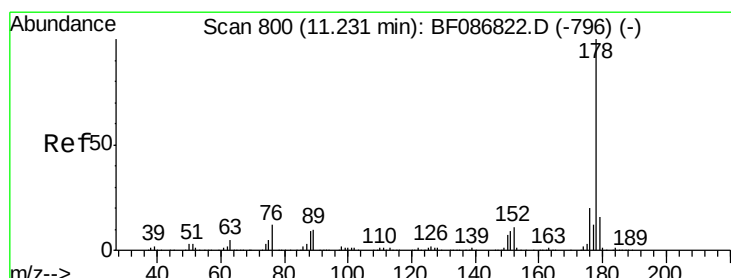
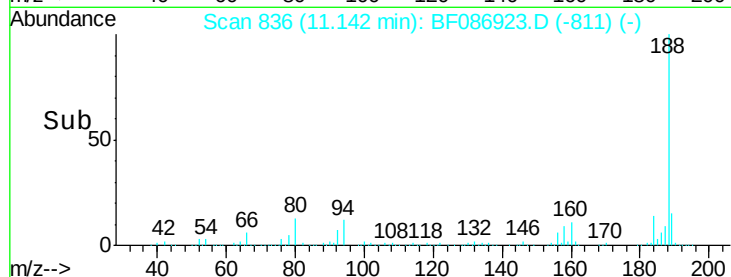
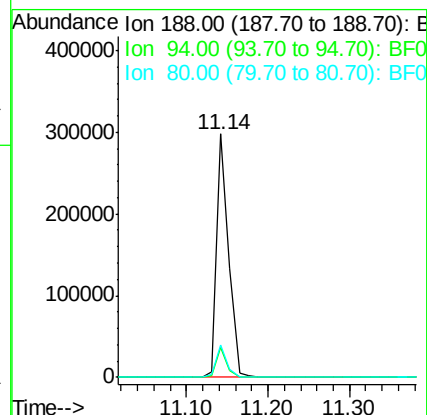
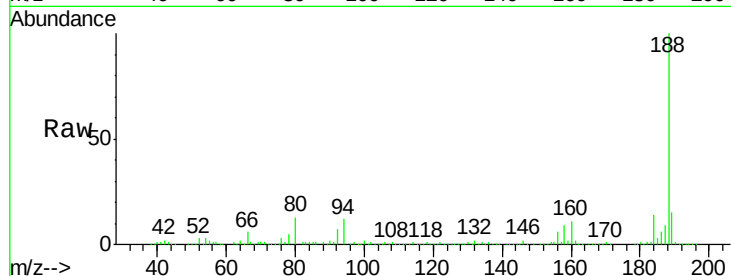
ClientSampleId :

NYSEG-CLARK-ST-ESMI-6DL

Tgt Ion:	188	Resp:	308380
Ion Ratio	Lower	Upper	
188	100		
94	12.2	6.8	10.2#
80	13.5	7.1	10.7#

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#70

Phenanthrene

Concen: 32.31 ng

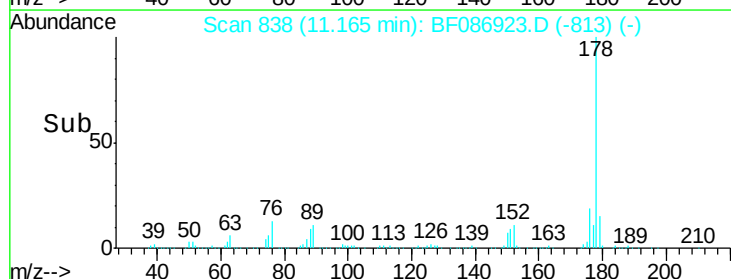
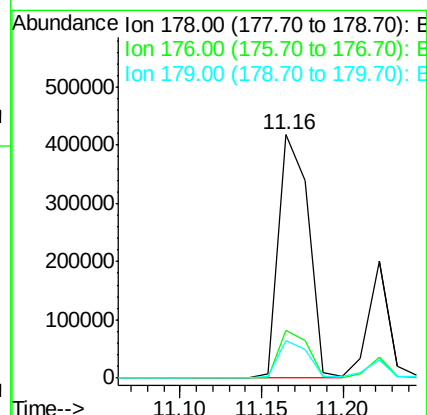
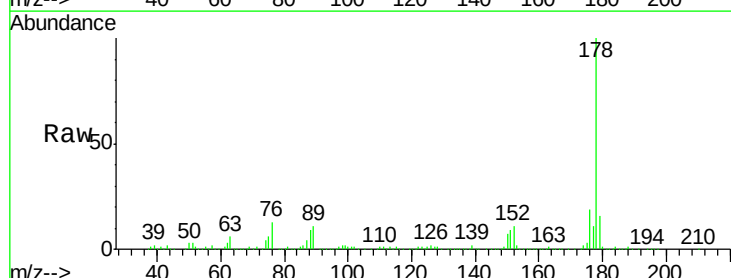
RT: 11.16 min Scan# 838

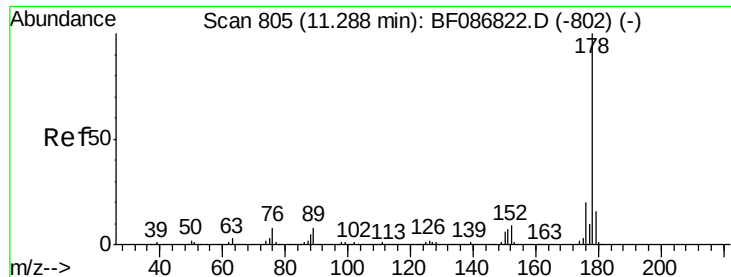
Delta R.T. -0.01 min

Lab File: BF086923.D

Acq: 12 May 2016 9:48

Tgt Ion:	178	Resp:	531779
Ion Ratio	Lower	Upper	
178	100		
176	19.5	16.0	24.0
179	15.7	12.6	18.8





#71

Anthracene

Concen: 11.03 ng

RT: 11.22 min Scan# 843

Delta R.T. -0.00 min

Lab File: BF086923.D

Acq: 12 May 2016 9:48

Instrument :

BNA_F

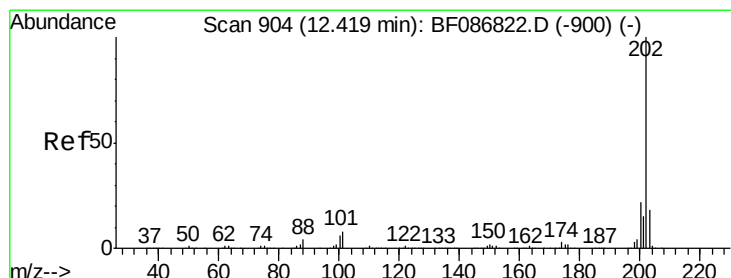
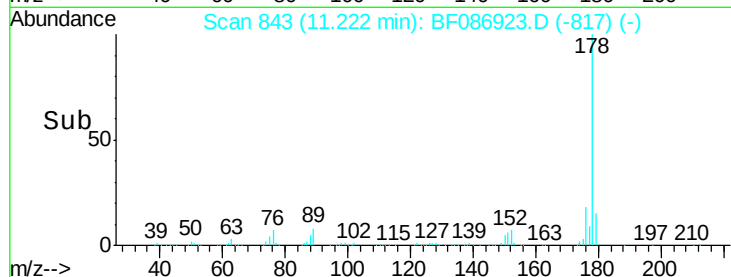
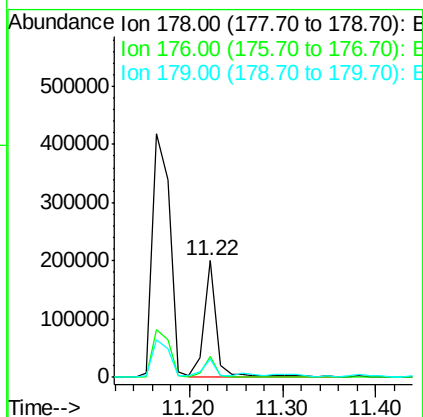
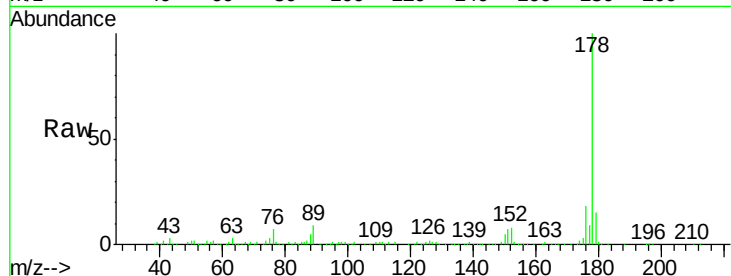
ClientSampleId :

NYSEG-CLARK-ST-ESMI-6DL

Tgt Ion:	178	Resp:	185698
Ion Ratio	Lower	Upper	
178	100		
176	18.2	15.6	23.4
179	15.5	12.7	19.1

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#74

Fluoranthene

Concen: 16.44 ng

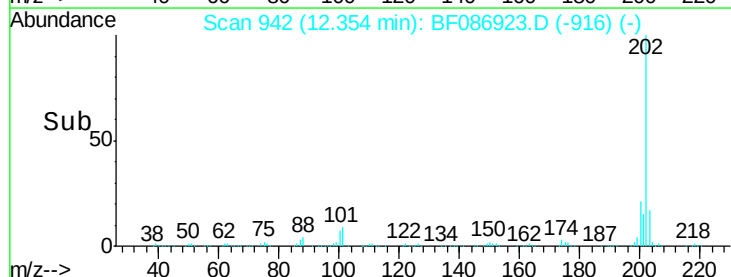
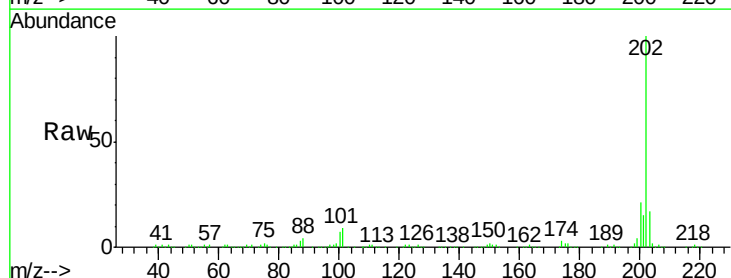
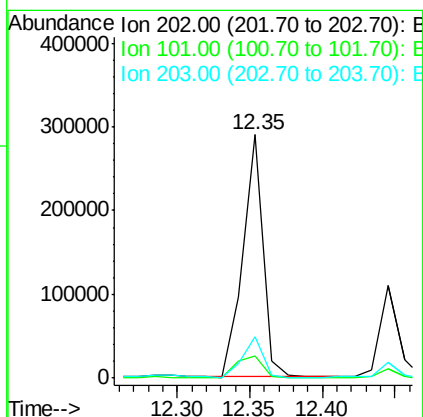
RT: 12.35 min Scan# 942

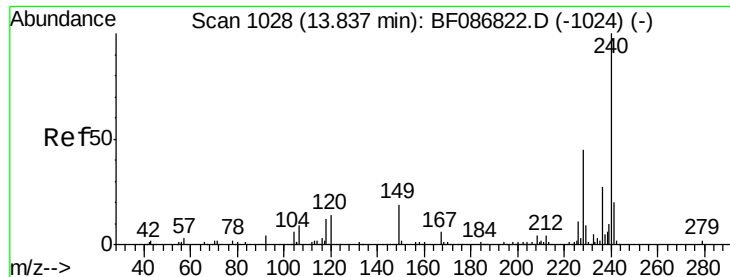
Delta R.T. -0.00 min

Lab File: BF086923.D

Acq: 12 May 2016 9:48

Tgt Ion:	202	Resp:	278241
Ion Ratio	Lower	Upper	
202	100		
101	9.2	0.0	35.4
203	17.1	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.77 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BF086923.D

Acq: 12 May 2016 9:48

Instrument :

BNA_F

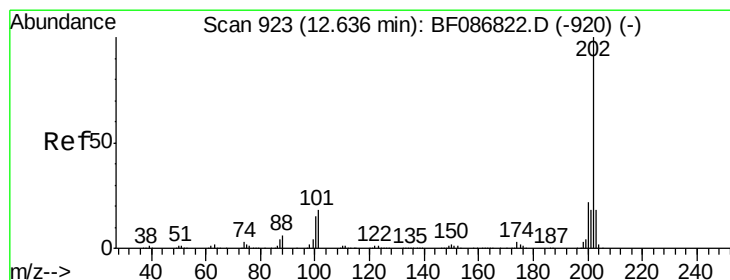
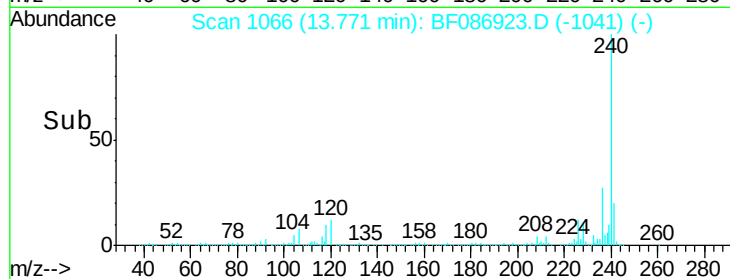
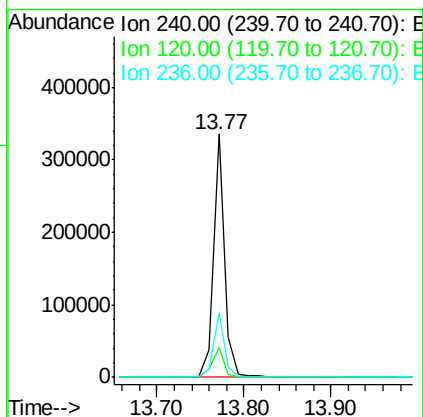
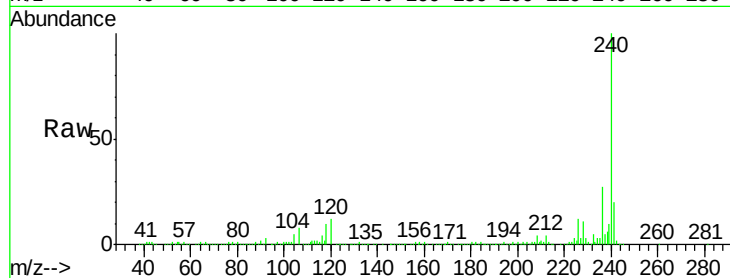
ClientSampleId :

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Tgt Ion:	240	Resp:	303558
Ion Ratio		Lower	Upper
240	100		
120	12.4	11.2	16.8
236	26.7	21.2	31.8

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#77

Pyrene

Concen: 17.28 ng

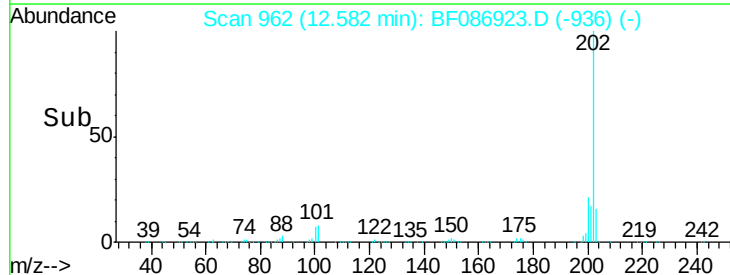
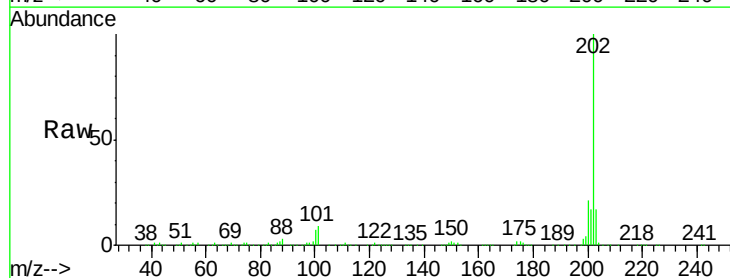
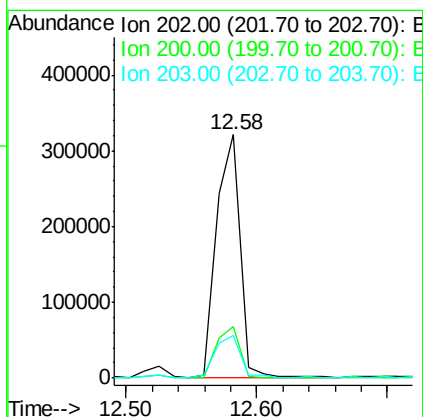
RT: 12.58 min Scan# 962

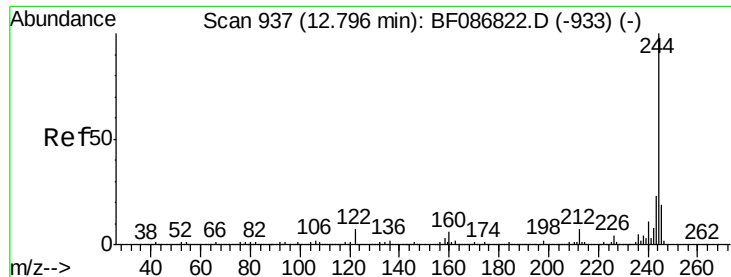
Delta R.T. -0.00 min

Lab File: BF086923.D

Acq: 12 May 2016 9:48

Tgt Ion:	202	Resp:	401595
Ion Ratio		Lower	Upper
202	100		
200	21.0	17.7	26.5
203	17.5	14.2	21.4





#78

Terphenyl-d14

Concen: 2.48 ng

RT: 12.73 min Scan# 975

Delta R.T. -0.00 min

Lab File: BF086923.D

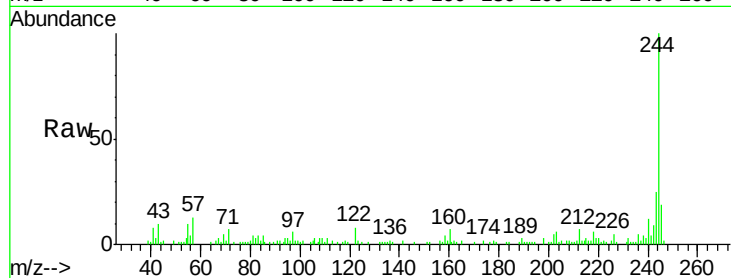
Acq: 12 May 2016 9:48

Instrument :

BNA_F

ClientSampleId :

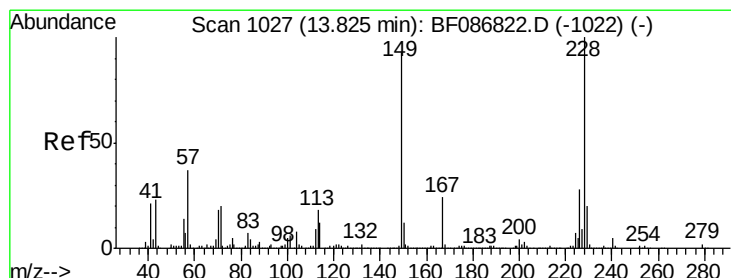
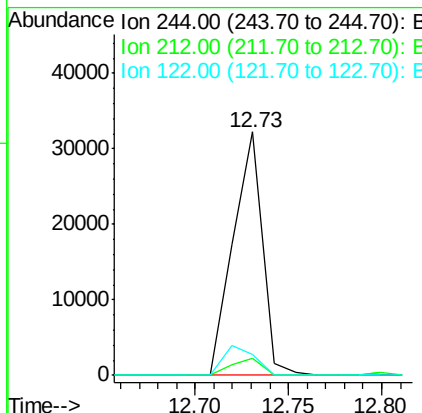
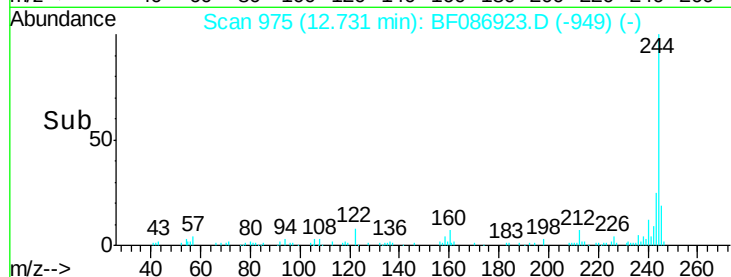
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Tgt Ion:	244	Resp:	35492
Ion Ratio	Lower	Upper	
244	100		
212	7.3	6.2	9.2
122	8.4	12.0	18.0#

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#80

Benzo(a)anthracene

Concen: 8.00 ng m

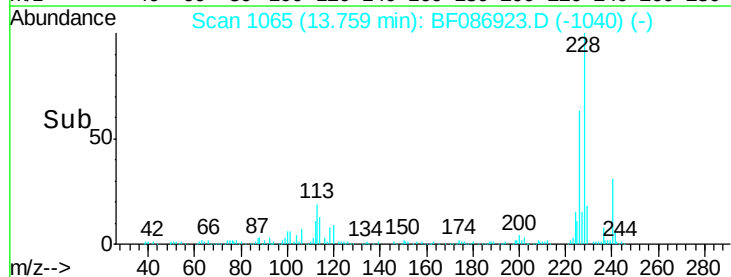
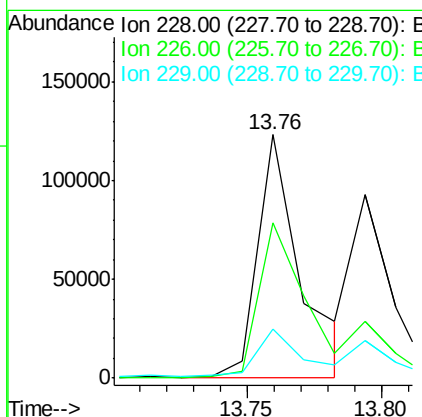
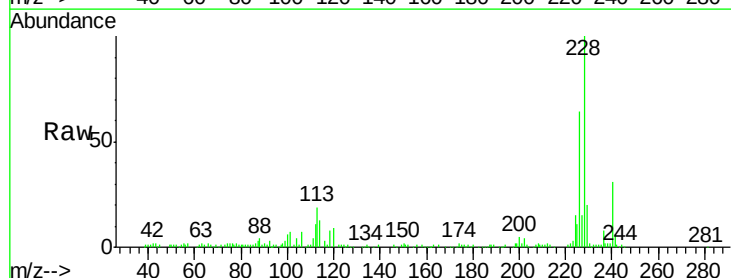
RT: 13.76 min Scan# 1065

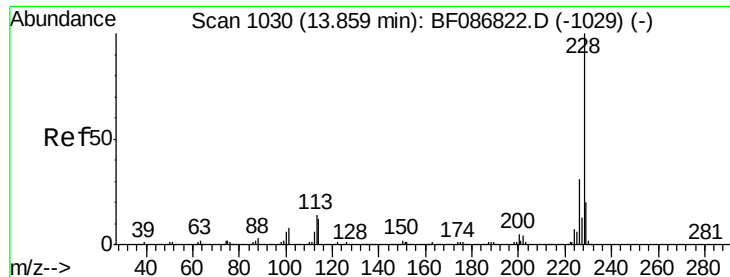
Delta R.T. -0.01 min

Lab File: BF086923.D

Acq: 12 May 2016 9:48

Tgt Ion:	228	Resp:	136358
Ion Ratio	Lower	Upper	
228	100		
226	63.7	22.5	33.7#
229	19.9	16.6	25.0





#82

Chrysene

Concen: 5.33 ng

RT: 13.79 min Scan# 1068

Delta R.T. -0.01 min

Lab File: BF086923.D

Acq: 12 May 2016 9:48

Instrument :

BNA_F

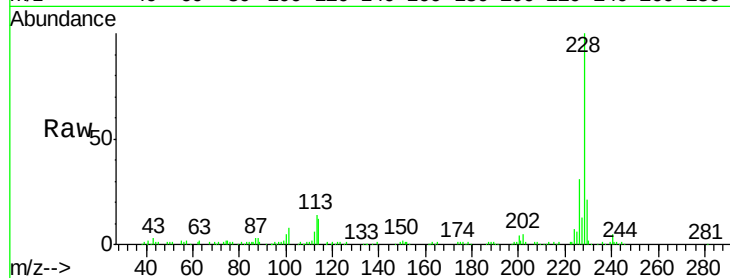
ClientSampleId :

NYSEG-CLARK-ST-ESMI-6DL

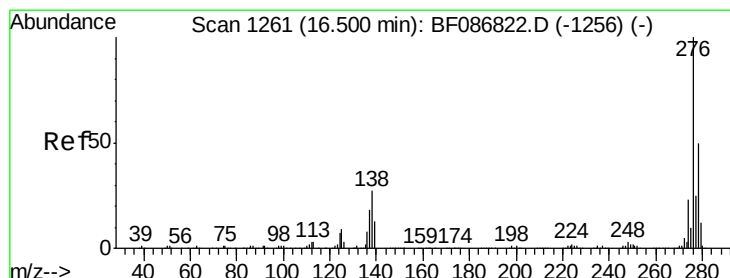
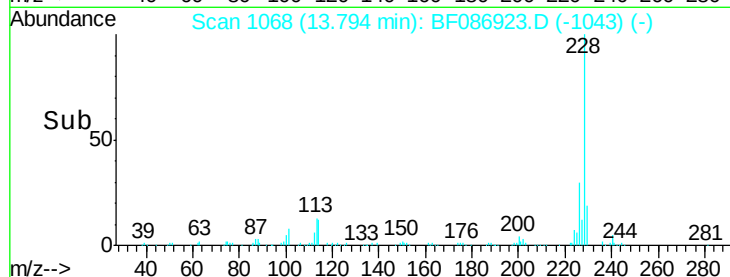
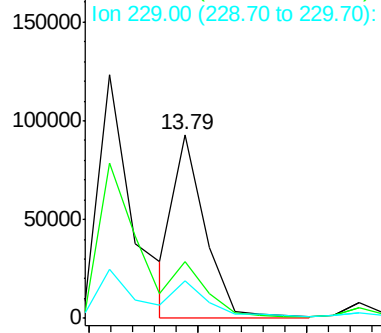
Tgt Ion:	228	Resp:	92384
Ion Ratio	Lower	Upper	
228	100		
226	31.0	24.4	36.6
229	20.6	15.8	23.8

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.29 ng

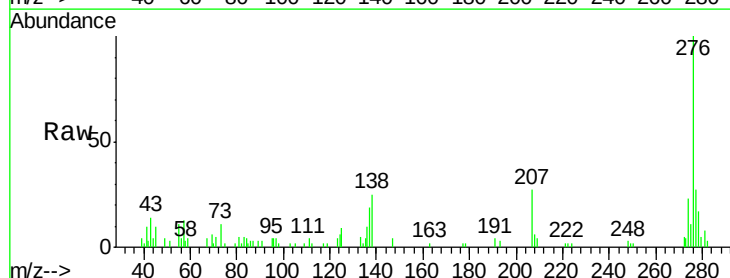
RT: 16.39 min Scan# 1295

Delta R.T. -0.01 min

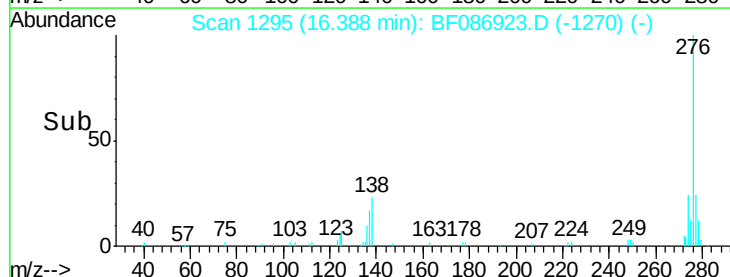
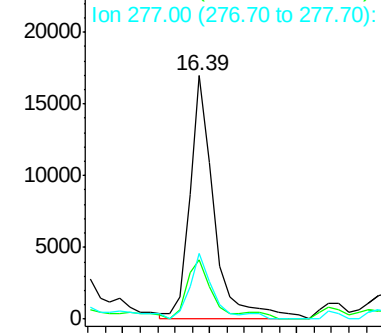
Lab File: BF086923.D

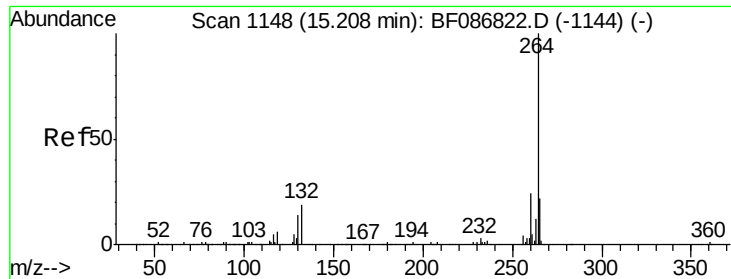
Acq: 12 May 2016 9:48

Tgt Ion:	276	Resp:	32995
Ion Ratio	Lower	Upper	
276	100		
138	24.6	25.6	38.4#
277	26.0	20.5	30.7



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.13 min Scan# 1185

Delta R.T. -0.01 min

Lab File: BF086923.D

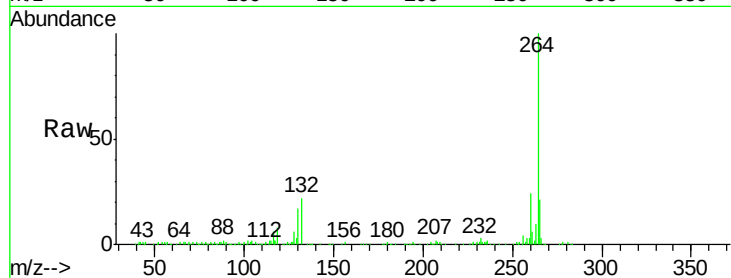
Acq: 12 May 2016 9:48

Instrument :

BNA_F

ClientSampleId :

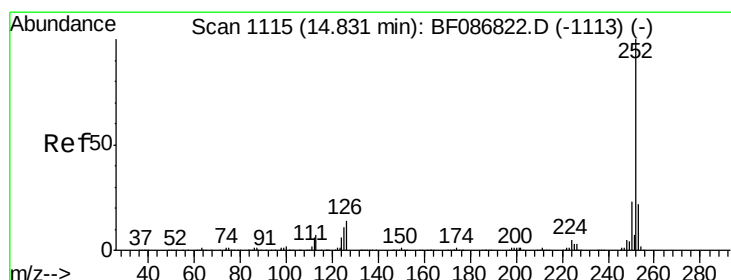
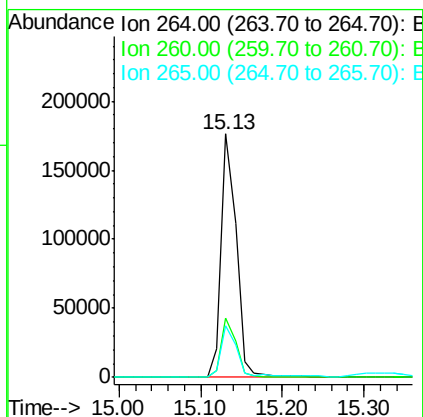
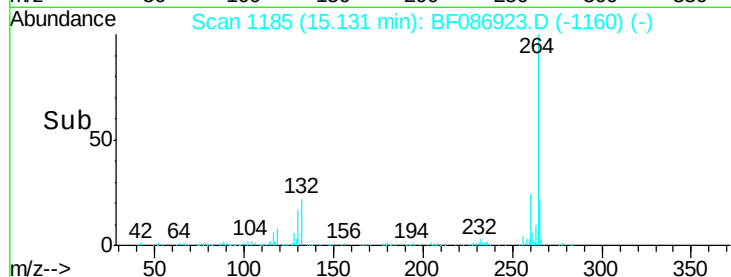
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Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	21.0	17.3	25.9

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#87

Benzo(b)fluoranthene

Concen: 5.21 ng m

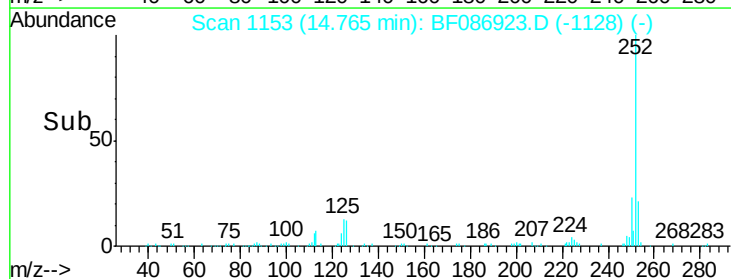
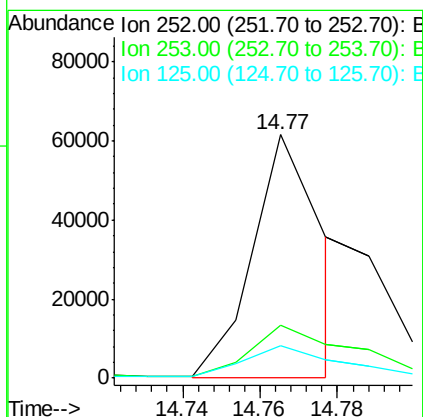
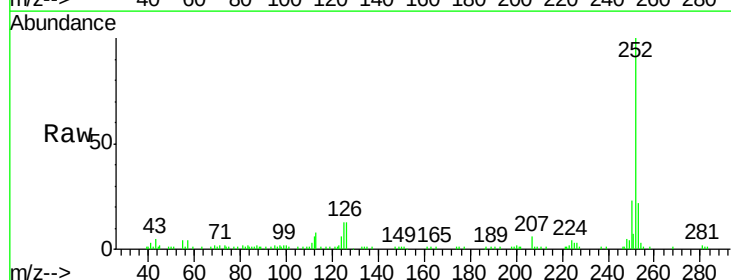
RT: 14.77 min Scan# 1153

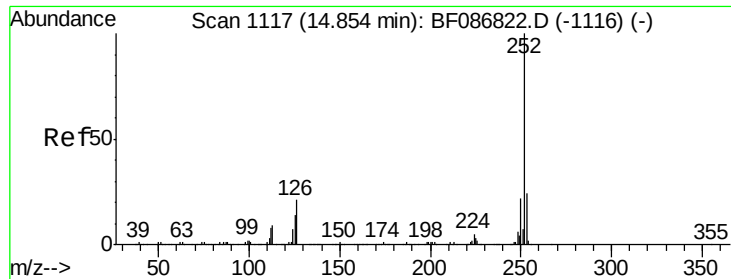
Delta R.T. -0.01 min

Lab File: BF086923.D

Acq: 12 May 2016 9:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.6
125	13.1	11.4	17.0





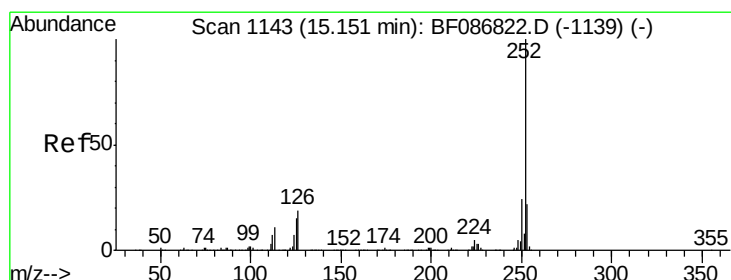
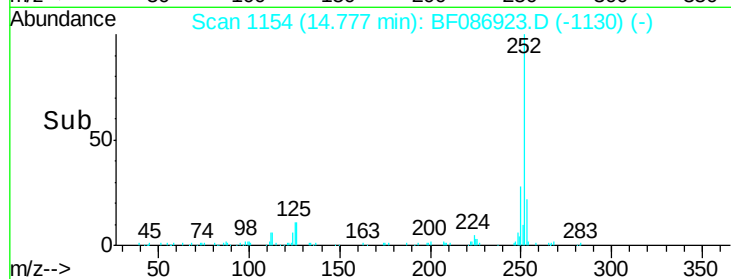
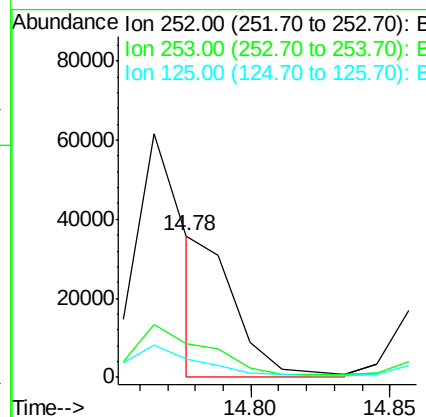
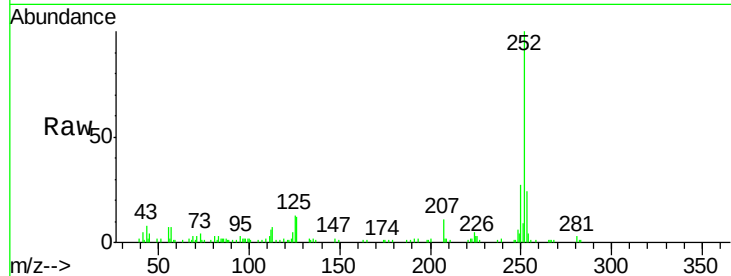
#88
Benzo(k)fluoranthene
Concen: 2.50 ng m
RT: 14.78 min Scan# 1154
Delta R.T. -0.02 min
Lab File: BF086923.D
Acq: 12 May 2016 9:48

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

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.6
125	12.6	9.1	13.7

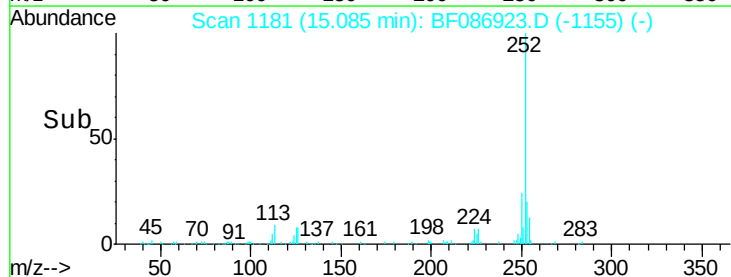
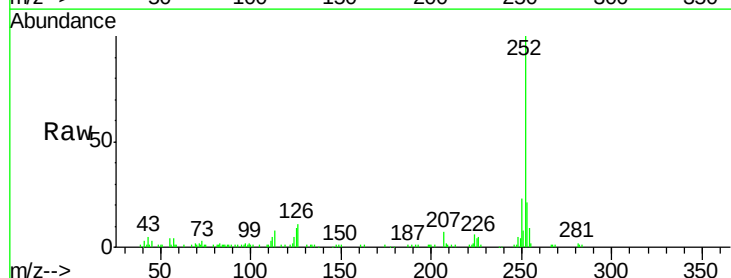
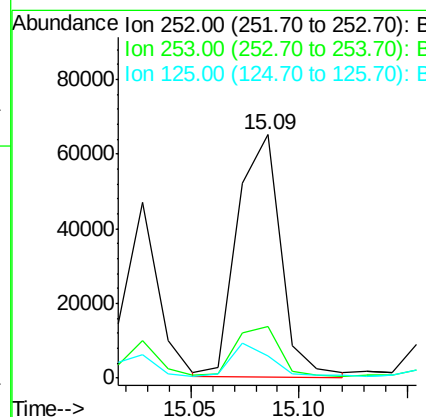
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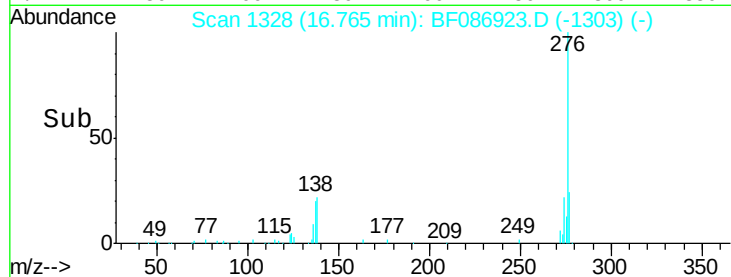
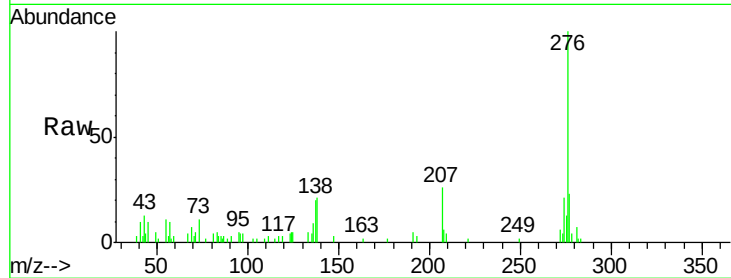
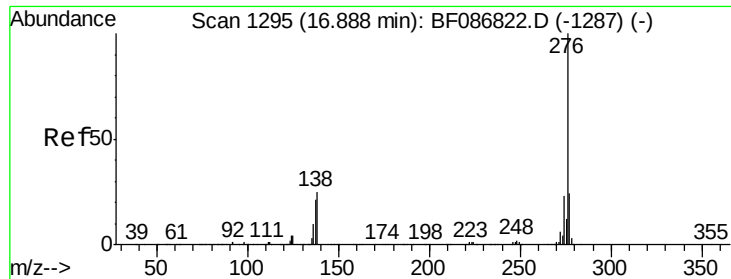
sohil
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#89
Benzo(a)pyrene
Concen: 7.06 ng
RT: 15.09 min Scan# 1181
Delta R.T. -0.00 min
Lab File: BF086923.D
Acq: 12 May 2016 9:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.2	25.8
125	9.1	9.0	13.6





#91

Benzo(g,h,i)perylene

Concen: 3.50 ng m

RT: 16.77 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF086923.D

Acq: 12 May 2016 9:48

Instrument :

BNA_F

ClientSampleId :

NYSEG-CLARK-ST-ESMI-6DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	23.3	19.6	29.4
138	21.0	23.6	35.4

Manual Integrations
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