

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051016\
 Data File : BF086889.D
 Acq On : 11 May 2016 9:01
 Operator : UM/SJ
 Sample : H2961-02 5X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-CLARK-ST-ESMI-4

Manual Integrations
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Quant Time: May 11 12:51:02 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	145249	20.00	ng	-0.01
21) Naphthalene-d8	7.98	136	477772	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	217627	20.00	ng	-0.01
63) Phenanthrene-d10	11.21	188	327899	20.00	ng	0.00
75) Chrysene-d12	13.83	240	270635	20.00	ng	-0.01
86) Perylene-d12	15.20	264	258387	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	272462	31.77	ng	-0.01
7) Phenol-d6	6.35	99	333885	29.13	ng	-0.01
23) Nitrobenzene-d5	7.25	82	215560	22.65	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	49354	21.42	ng	-0.01
44) 2-Fluorobiphenyl	9.05	172	356406	27.52	ng	-0.01
78) Terphenyl-d14	12.79	244	238525	18.70	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.02	128	7476991	312.45	ng	# 93
37) 2-Methylnaphthalene	8.69	142	1875133m	134.03	ng	
45) 1,1'-Biphenyl	9.15	154	420642	24.30	ng	98
48) Acenaphthylene	9.58	152	200825	10.07	ng	# 85
51) Acenaphthene	9.76	154	1008733	81.29	ng	98
57) Fluorene	10.27	166	745590	54.88	ng	97
70) Phenanthrene	11.23	178	1892619	108.16	ng	98
71) Anthracene	11.28	178	693852	38.77	ng	99
74) Fluoranthene	12.41	202	685439	38.08	ng	98
77) Pyrene	12.64	202	999278	48.23	ng	100
80) Benzo(a)anthracene	13.81	228	373536	24.59	ng	# 75
82) Chrysene	13.85	228	251774m	16.29	ng	
85) Indeno(1,2,3-cd)pyrene	16.49	276	67481	5.25	ng	# 87
87) Benzo(b)fluoranthene	14.82	252	165224m	9.84	ng	
88) Benzo(k)fluoranthene	14.83	252	79827m	5.81	ng	
89) Benzo(a)pyrene	15.15	252	215769m	14.90	ng	
91) Benzo(a,h,i)perylene	16.88	276	78088m	6.30	ng	

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

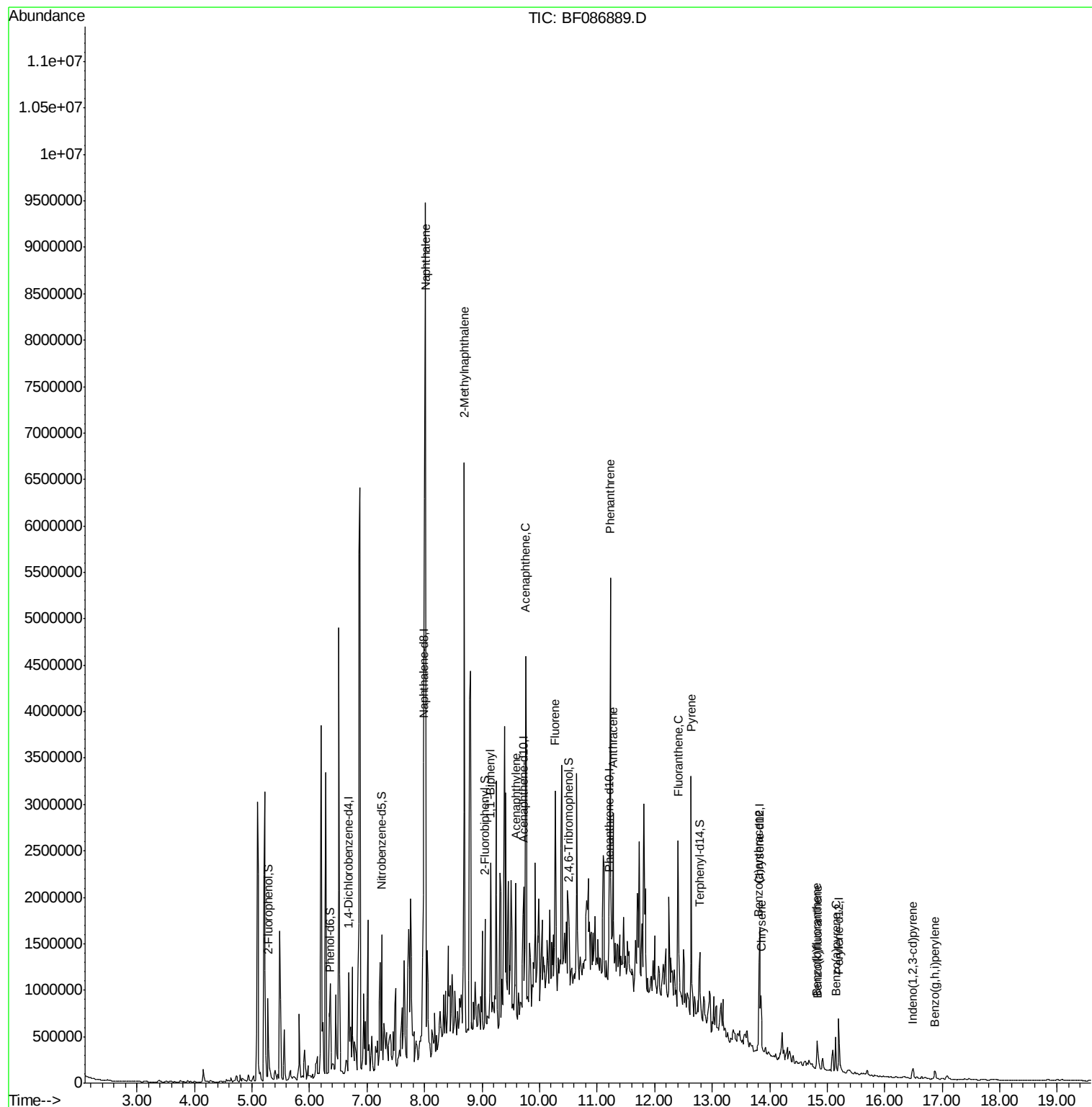
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051016\
Data File : BF086889.D
Acq On : 11 May 2016 9:01
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ALS Vial : 35 Sample Multiplier: 1

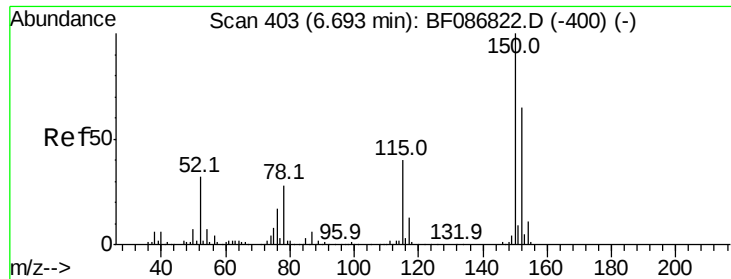
Instrument :
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ClientSampleId :
NYSEG-CLARK-ST-ESMI-4

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Quant Time: May 11 12:51:02 2016
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

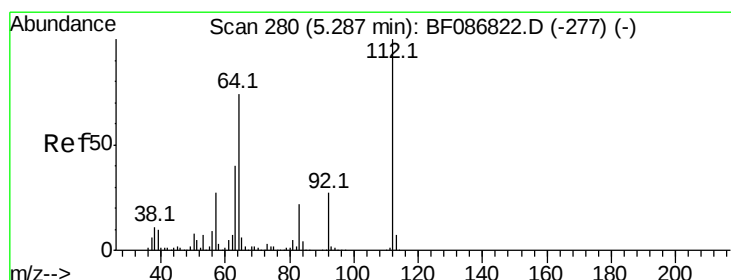
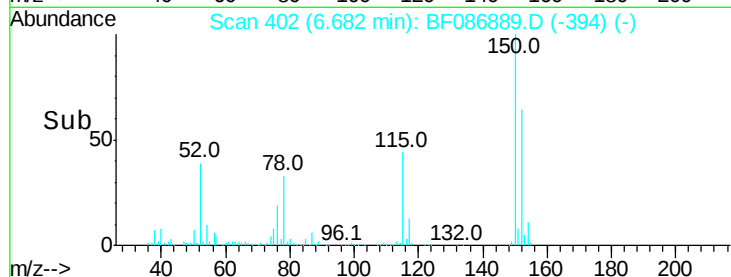
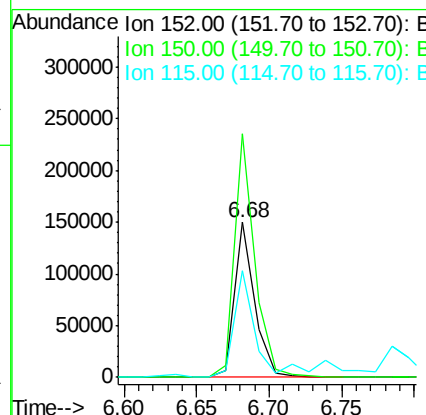
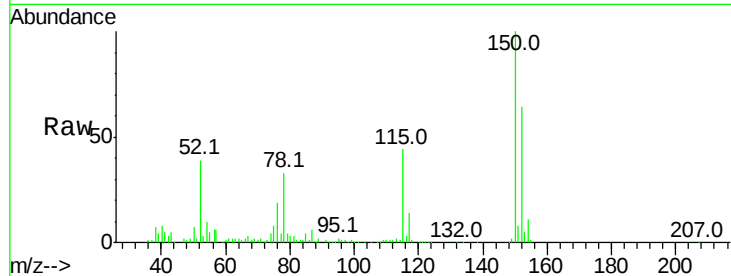
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.68 min Scan# 402
Delta R.T. -0.01 min
Lab File: BF086889.D
Acq: 11 May 2016 9:01

Instrument :
BNA_F
ClientSampleId :
NYSEG-CLARK-ST-ESMI-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	125.8	188.6
115	69.2	51.5	77.3

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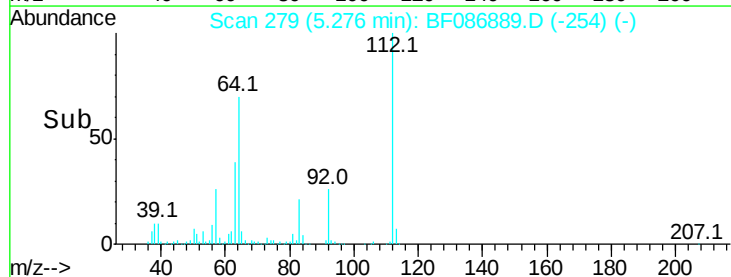
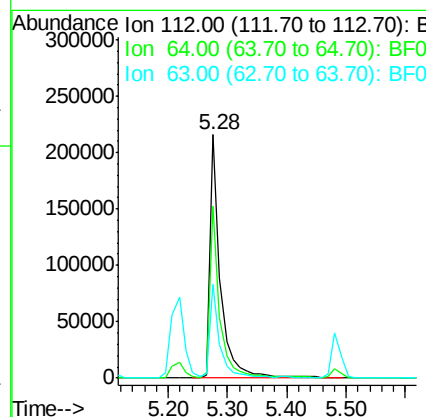
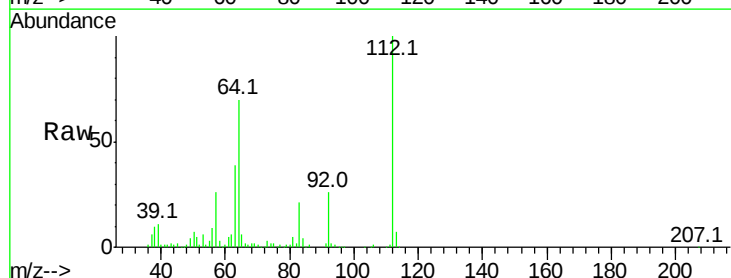
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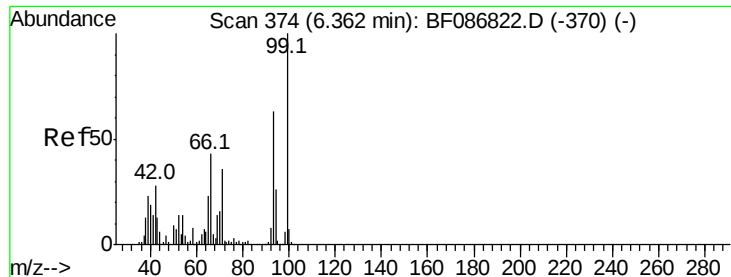


#5

2-Fluorophenol
Concen: 31.77 ng
RT: 5.28 min Scan# 279
Delta R.T. -0.01 min
Lab File: BF086889.D
Acq: 11 May 2016 9:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.5	52.1	78.1
63	38.6	25.7	38.5#





#7

Phenol-d6

Concen: 29.13 ng

RT: 6.35 min Scan# 373

Delta R.T. -0.01 min

Lab File: BF086889.D

Acq: 11 May 2016 9:01

Instrument :

BNA_F

ClientSampleId :

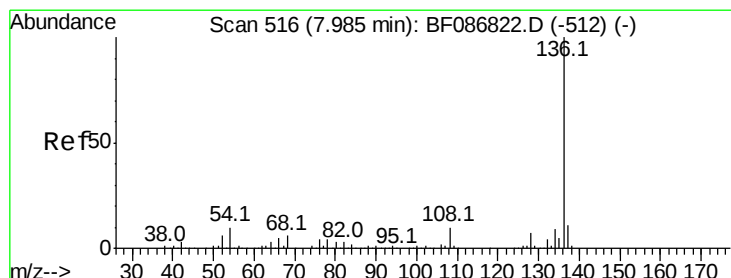
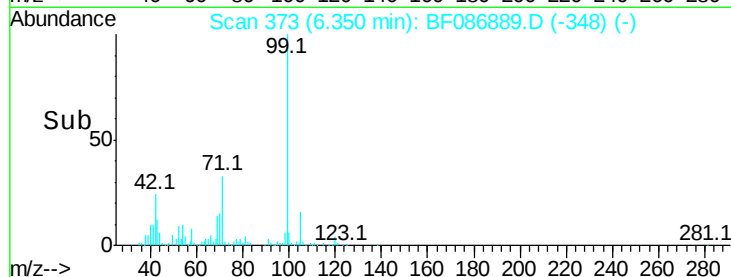
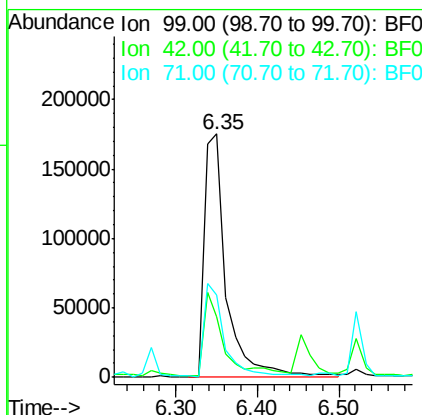
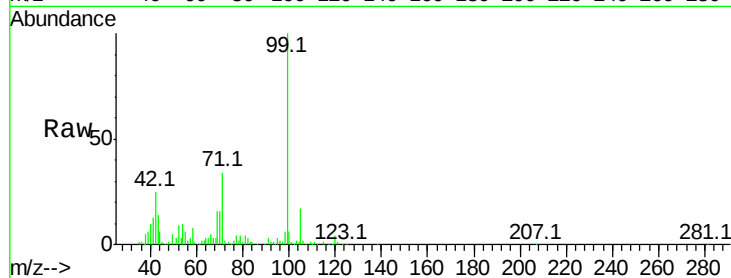
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Tot Ion: 99 Resp: 33385

Ion	Ratio	Lower	Upper
99	100		
42	25.1	13.6	20.4#
71	33.7	24.6	36.8

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 516

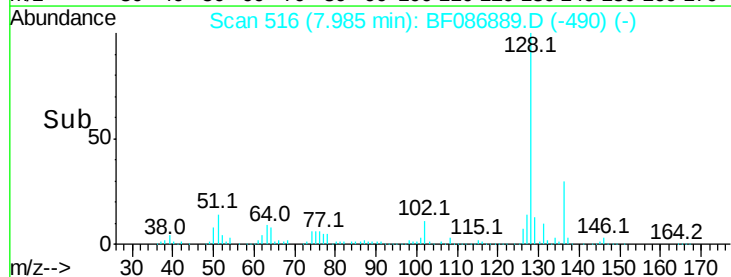
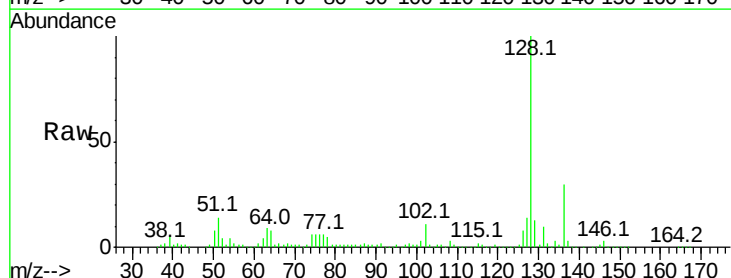
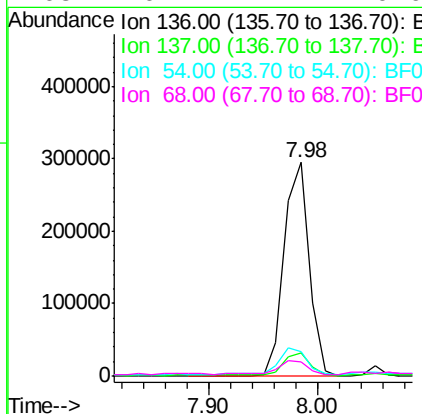
Delta R.T. 0.00 min

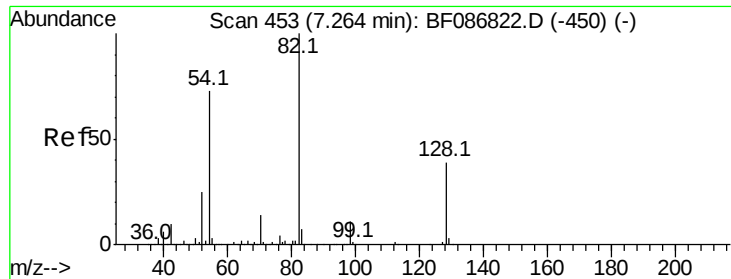
Lab File: BF086889.D

Acq: 11 May 2016 9:01

Tgt Ion: 136 Resp: 477772

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	11.7	5.0	7.4#
68	6.7	4.4	6.6#





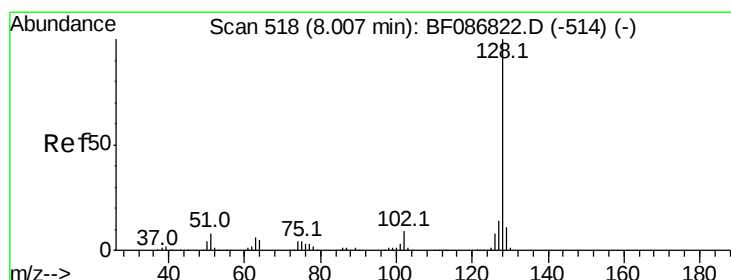
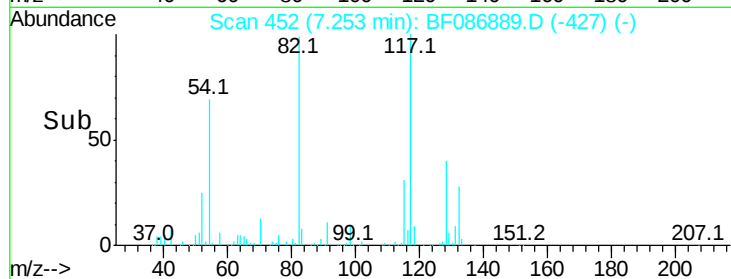
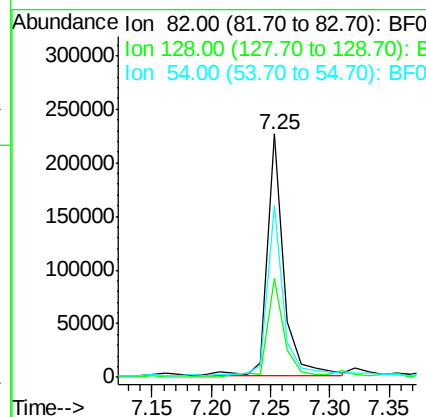
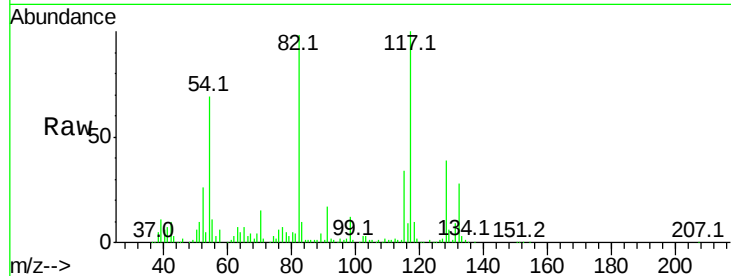
#23
 Nitrobenzene-d5
 Concen: 22.65 ng
 RT: 7.25 min Scan# 452
 Delta R.T. -0.01 min
 Lab File: BF086889.D
 Acq: 11 May 2016 9:01

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-CLARK-ST-ESMI-4

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.5	40.6	61.0#
54	70.4	38.1	57.1#

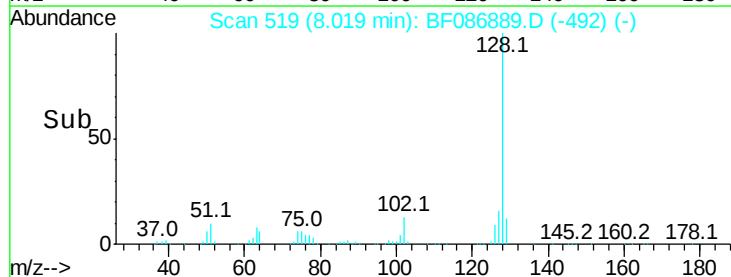
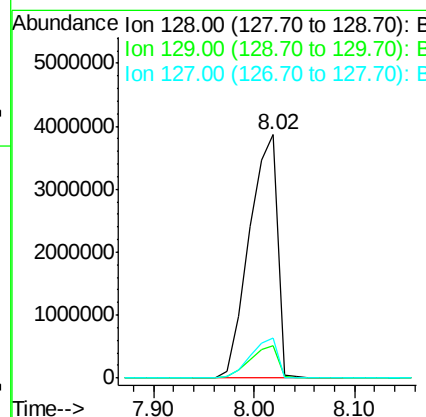
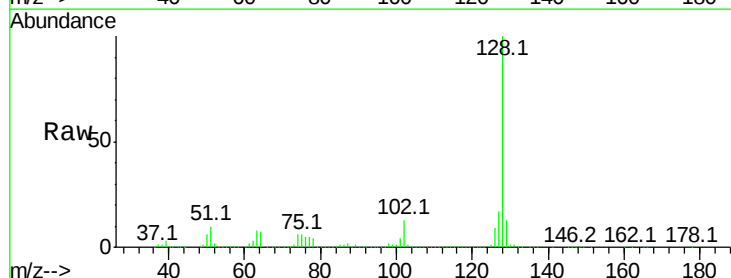
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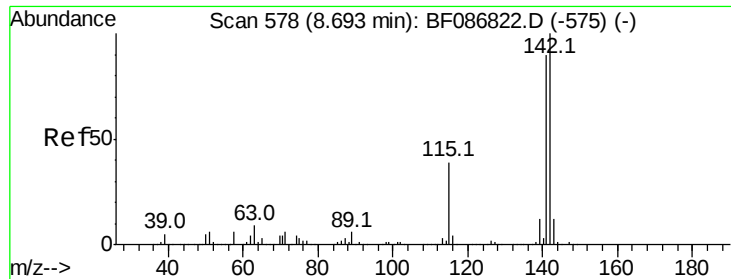
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#31
 Naphthalene
 Concen: 312.45 ng
 RT: 8.02 min Scan# 519
 Delta R.T. 0.01 min
 Lab File: BF086889.D
 Acq: 11 May 2016 9:01

Tgt Ion	Ratio	Lower	Upper
128	100		
129	13.3	8.6	13.0#
127	16.6	10.8	16.2#





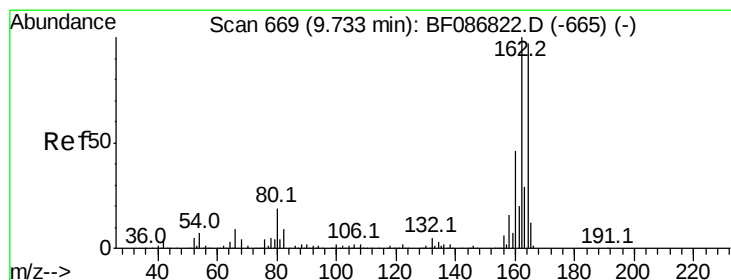
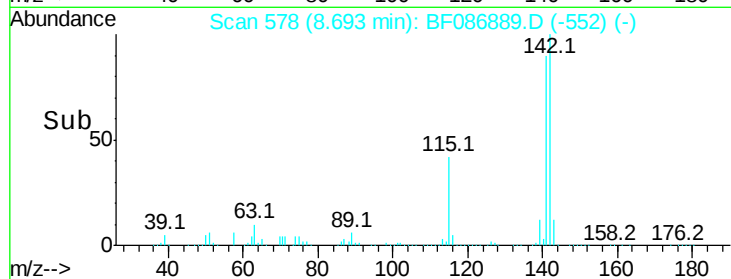
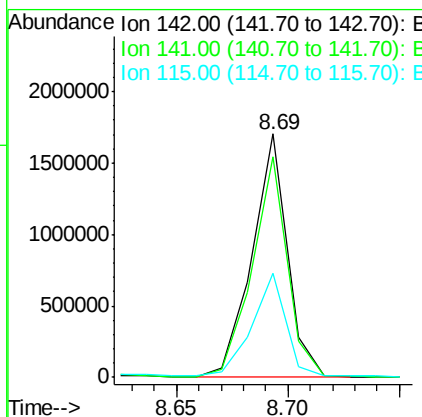
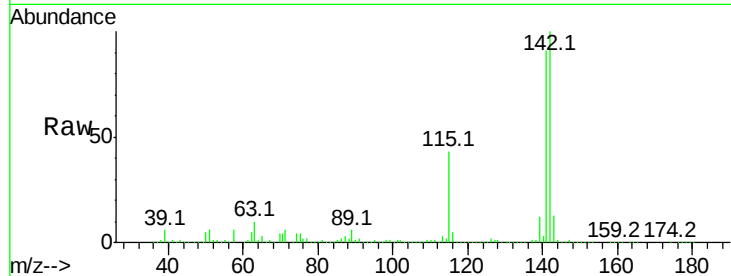
#37
 2-Methylnaphthalene
 Concen: 134.03 ng/mL
 RT: 8.69 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: BF086889.D
 Acq: 11 May 2016 9:01

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-CLARK-ST-ESMI-4

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.5	71.0	106.6
115	42.6	26.6	39.8

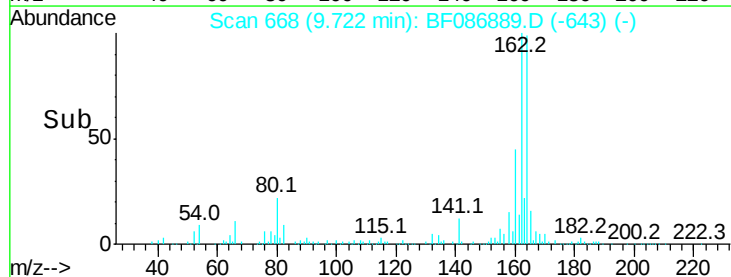
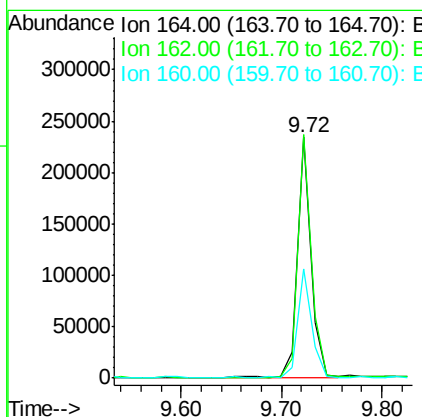
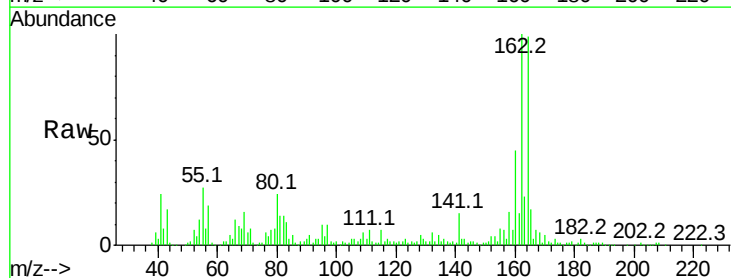
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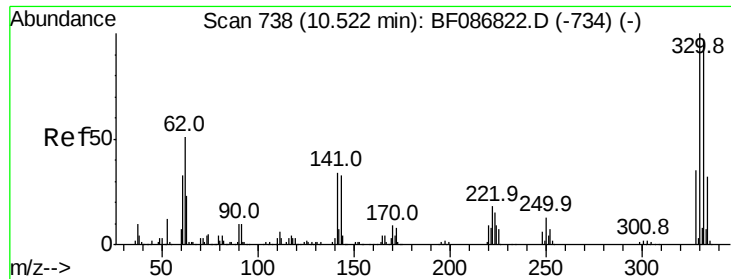
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#38
 Acenaphthene-d10
 Concen: 20.00 ng/mL
 RT: 9.72 min Scan# 668
 Delta R.T. -0.01 min
 Lab File: BF086889.D
 Acq: 11 May 2016 9:01

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.1	82.8	124.2
160	45.6	36.9	55.3





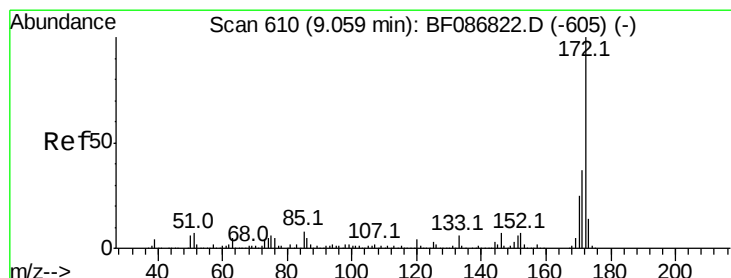
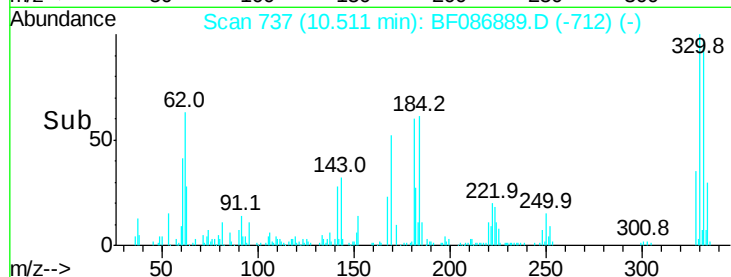
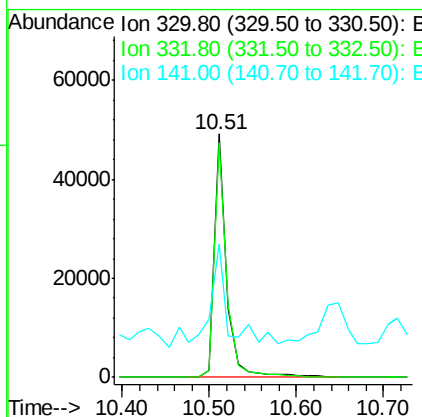
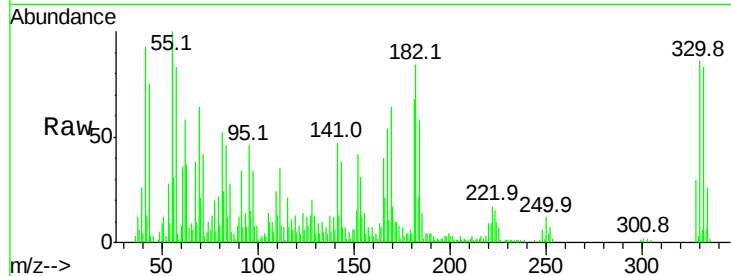
#41
 2,4,6-Tribromophenol
 Concen: 21.42 ng
 RT: 10.51 min Scan# 737
 Delta R.T. -0.01 min
 Lab File: BF086889.D
 Acq: 11 May 2016 9:01

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-CLARK-ST-ESMI-4

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.8	79.0	118.4	
141	55.3	31.2	46.8	

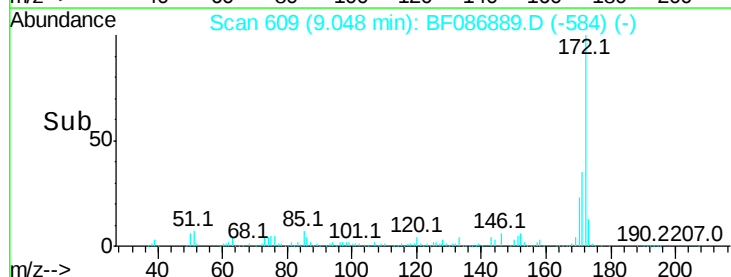
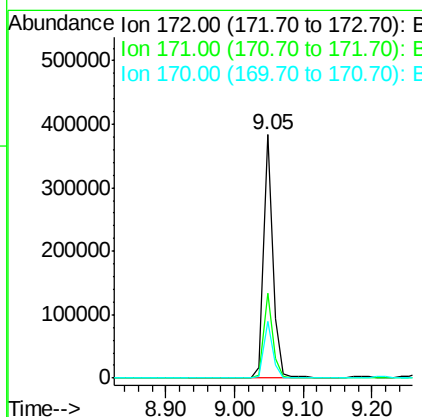
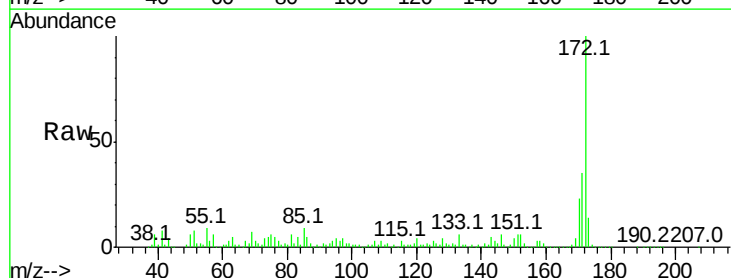
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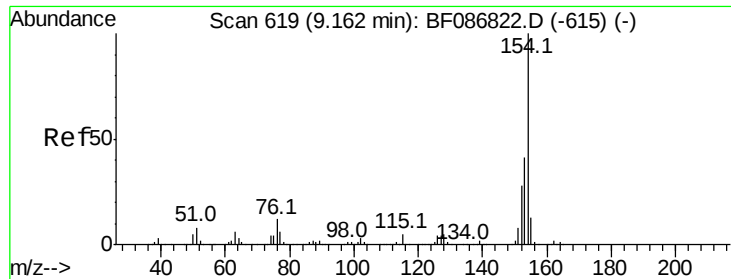
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#44
 2-Fluorobiphenyl
 Concen: 27.52 ng
 RT: 9.05 min Scan# 609
 Delta R.T. -0.01 min
 Lab File: BF086889.D
 Acq: 11 May 2016 9:01

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.9	29.0	43.6	
170	23.4	19.8	29.8	





#45

1,1'-Biphenyl

Concen: 24.30 ng

RT: 9.15 min Scan# 618

Delta R.T. -0.01 min

Lab File: BF086889.D

Acq: 11 May 2016 9:01

Instrument :

BNA_F

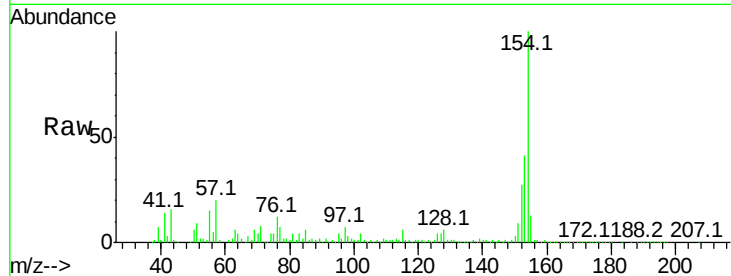
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NYSEG-CLARK-ST-ESMI-4

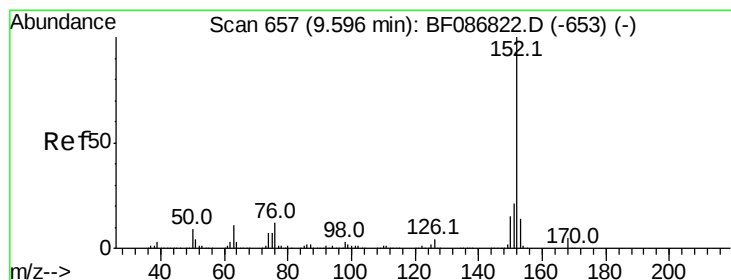
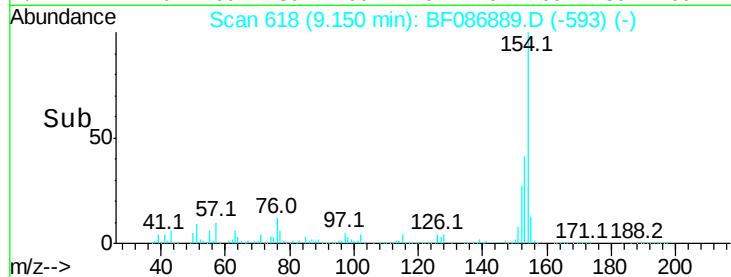
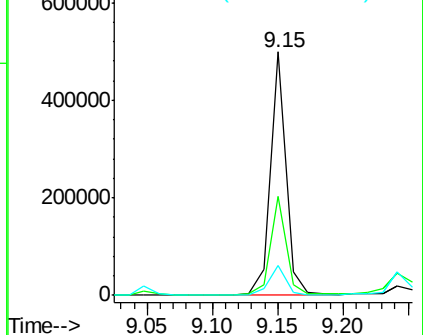
Tot Ion:	154	Resp:	420642
Ion Ratio	Lower	Upper	
154	100		
153	40.9	20.3	60.3
76	12.4	0.0	30.2

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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: 10.07 ng

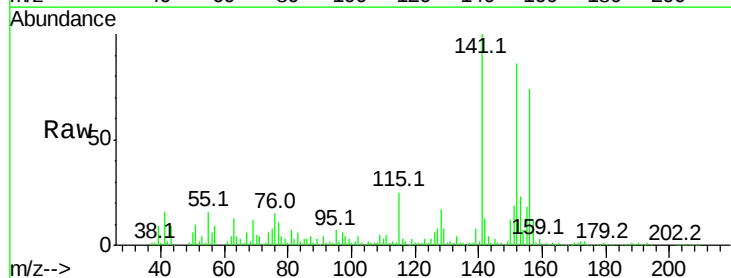
RT: 9.58 min Scan# 656

Delta R.T. -0.01 min

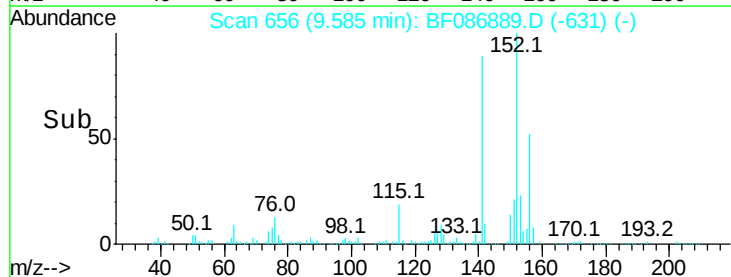
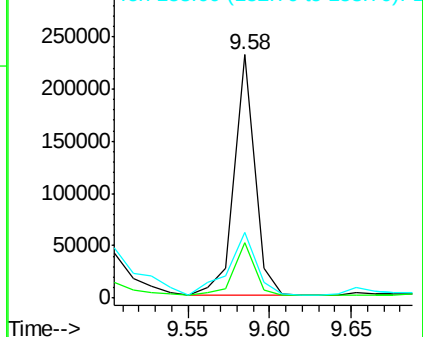
Lab File: BF086889.D

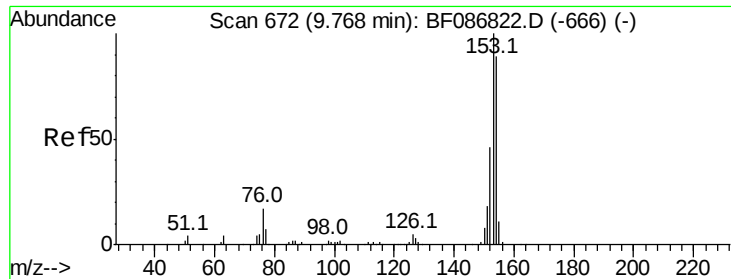
Acq: 11 May 2016 9:01

Tgt Ion:	152	Resp:	200825
Ion Ratio	Lower	Upper	
152	100		
151	22.5	16.8	25.2
153	27.1	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: 81.29 ng

RT: 9.76 min Scan# 671

Delta R.T. -0.01 min

Lab File: BF086889.D

Acq: 11 May 2016 9:01

Instrument :

BNA_F

ClientSampleId :

NYSEG-CLARK-ST-ESMI-4

Tot Ion:154 Resp: 1008733

Ion Ratio Lower Upper

154 100

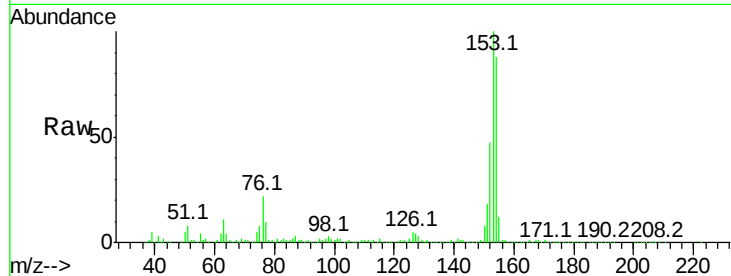
153 113.8 89.8 134.6

152 53.0 43.4 65.0

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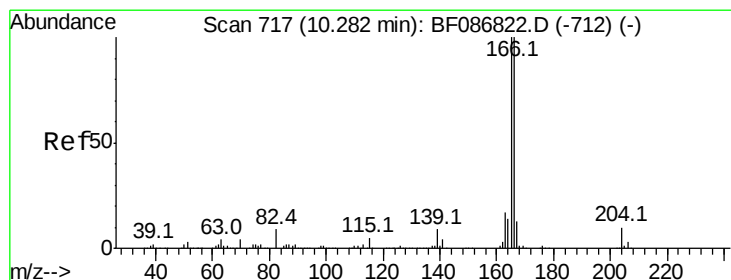
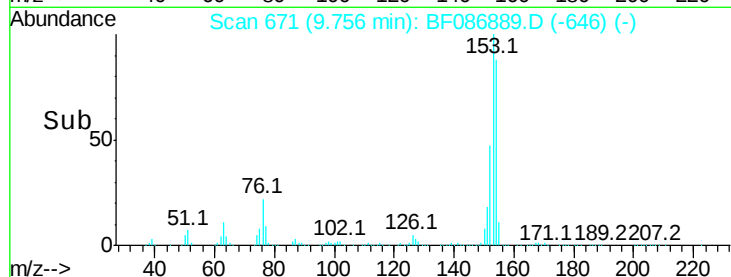
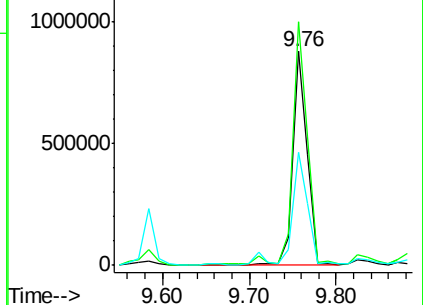
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 54.88 ng

RT: 10.27 min Scan# 716

Delta R.T. -0.01 min

Lab File: BF086889.D

Acq: 11 May 2016 9:01

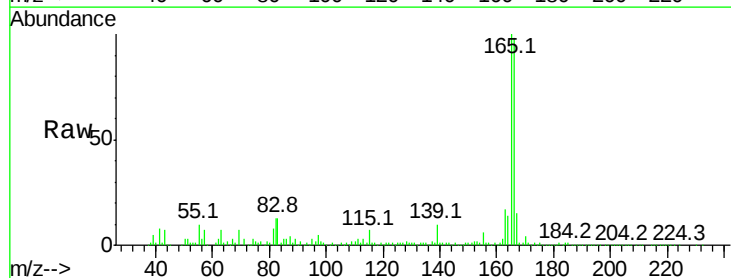
Tgt Ion:166 Resp: 745590

Ion Ratio Lower Upper

166 100

165 101.8 79.0 118.6

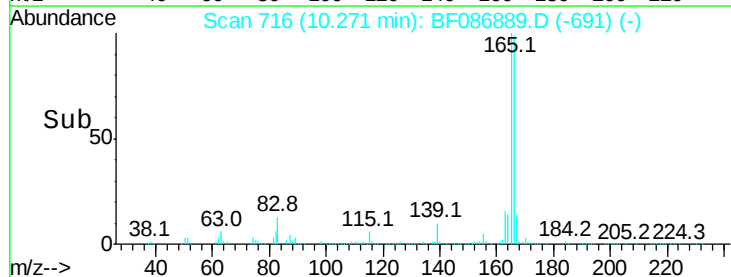
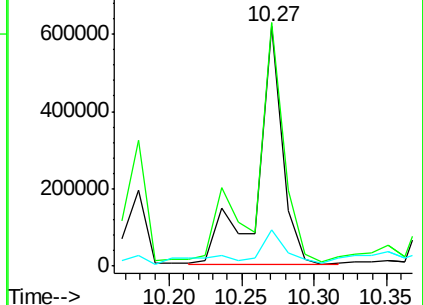
167 15.1 10.6 15.8

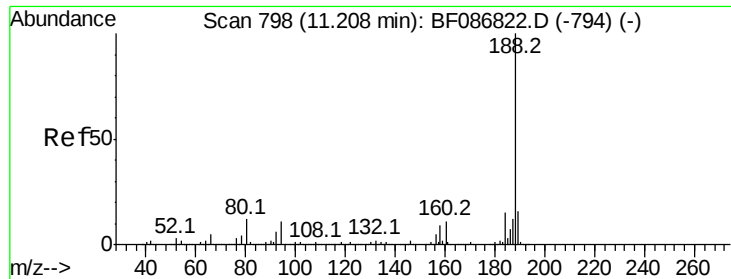


Abundance Ion 166.00 (165.70 to 166.70): E

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: 11.21 min Scan# 798

Delta R.T. 0.00 min

Lab File: BF086889.D

Acq: 11 May 2016 9:01

Instrument :

BNA_F

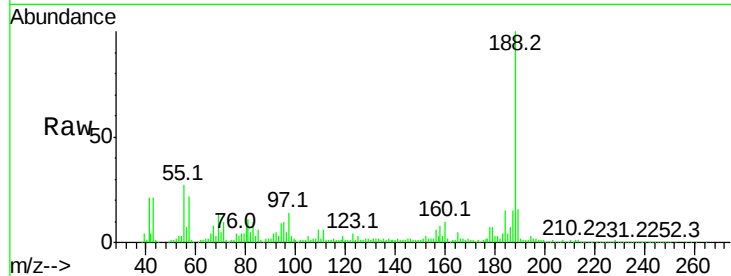
ClientSampleId :

NYSEG-CLARK-ST-ESMI-4

Tot Ion:188	Resp:	327899
Ion Ratio	Lower	Upper
188 100		
94 9.0	6.8	10.2
80 9.5	7.1	10.7

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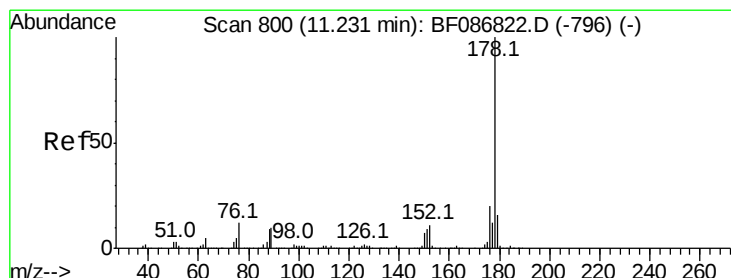
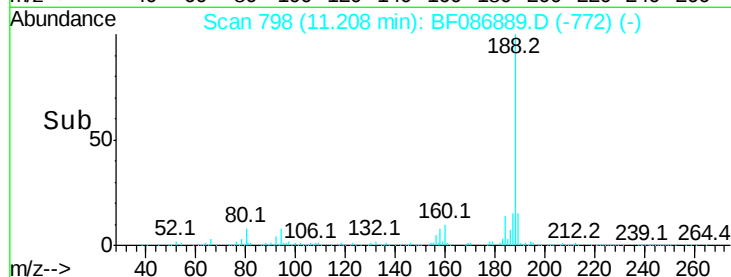
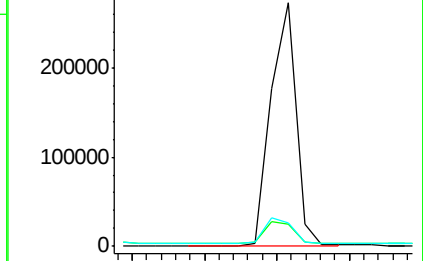
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 108.16 ng

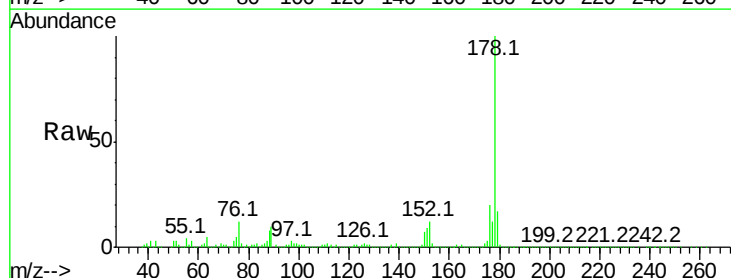
RT: 11.23 min Scan# 800

Delta R.T. 0.00 min

Lab File: BF086889.D

Acq: 11 May 2016 9:01

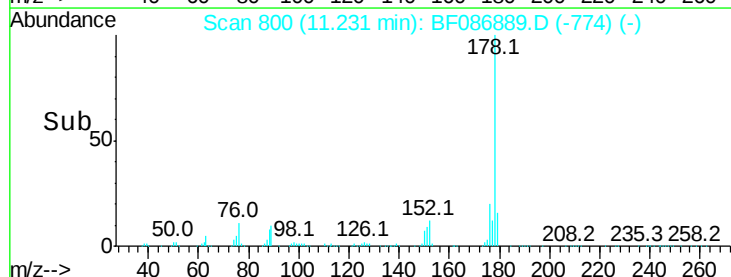
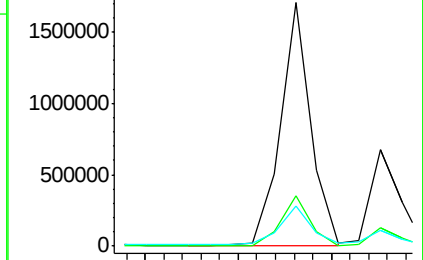
Tgt Ion:178	Resp:	1892619
Ion Ratio	Lower	Upper
178 100		
176 20.5	16.0	24.0
179 16.7	12.6	18.8

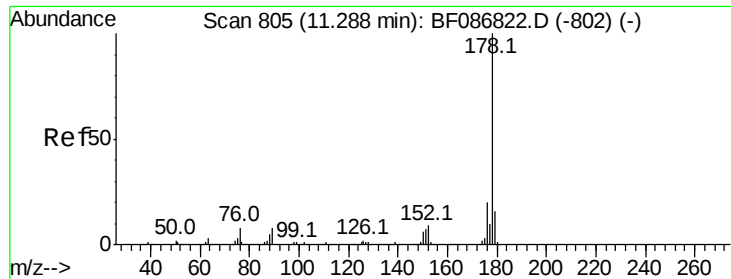


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 38.77 ng

RT: 11.28 min Scan# 804

Delta R.T. -0.01 min

Lab File: BF086889.D

Acq: 11 May 2016 9:01

Instrument :

BNA_F

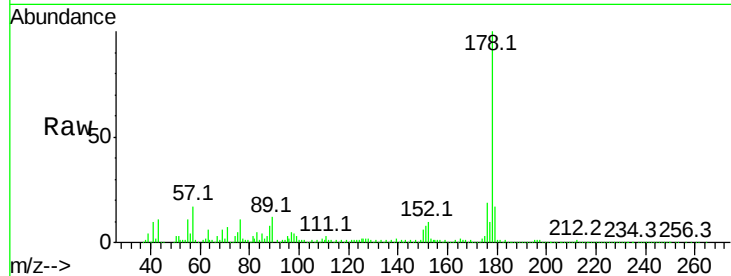
ClientSampleId :

NYSEG-CLARK-ST-ESMI-4

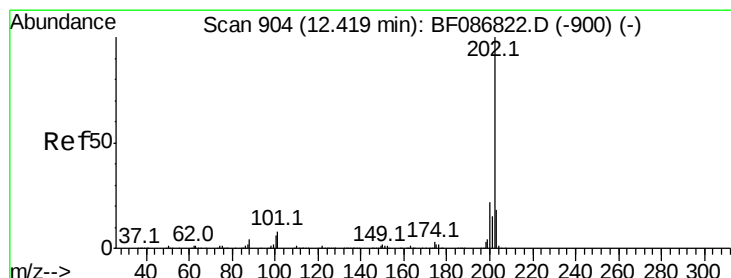
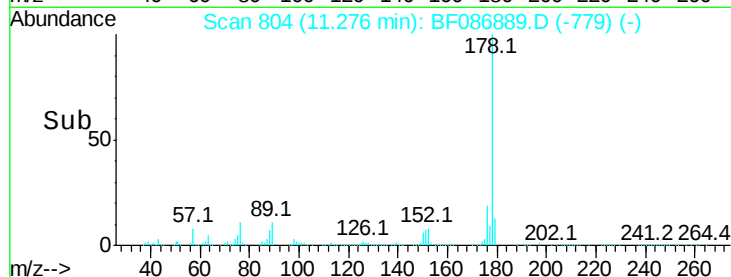
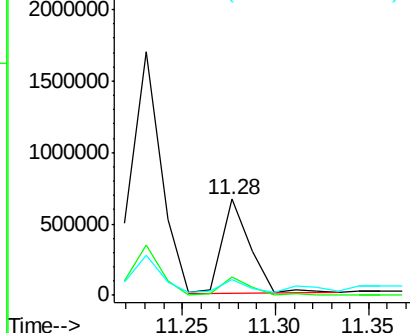
Tot Ion:	178	Resp:	693852
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.6	23.4
179	16.7	12.7	19.1

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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



#74

Fluoranthene

Concen: 38.08 ng

RT: 12.41 min Scan# 903

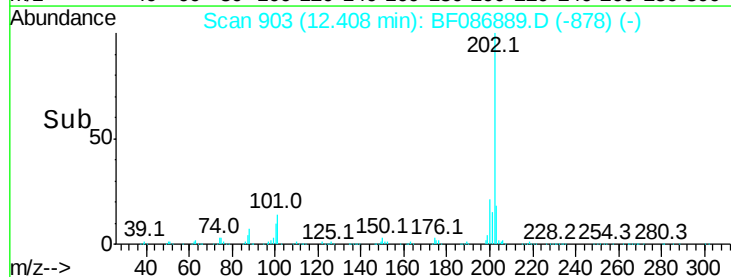
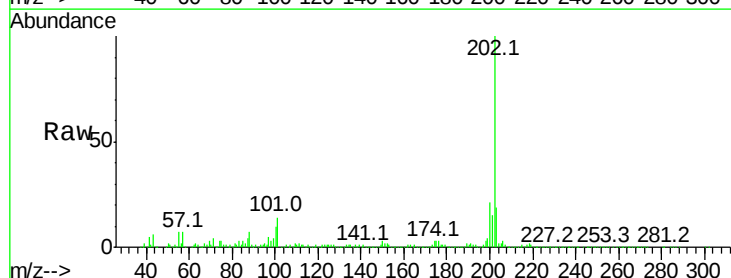
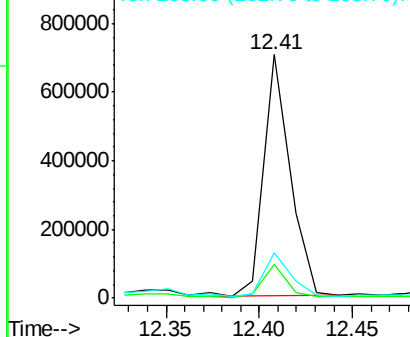
Delta R.T. -0.01 min

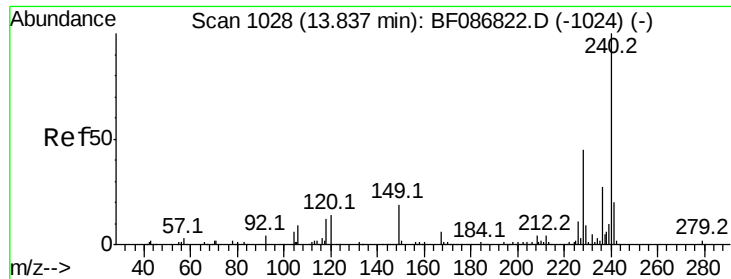
Lab File: BF086889.D

Acq: 11 May 2016 9:01

Tgt Ion:	202	Resp:	685439
Ion Ratio	Lower	Upper	
202	100		
101	13.8	0.0	35.4
203	18.5	0.0	38.1

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.83 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF086889.D

Acq: 11 May 2016 9:01

Instrument :

BNA_F

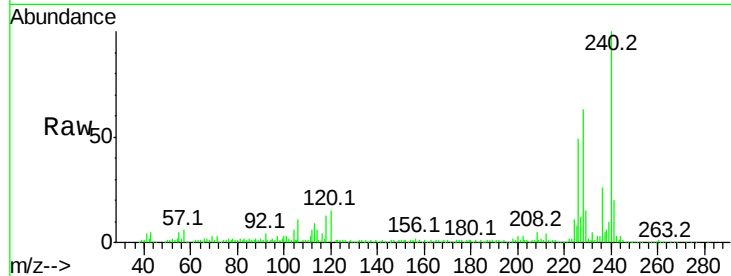
ClientSampleId :

NYSEG-CLARK-ST-ESMI-4

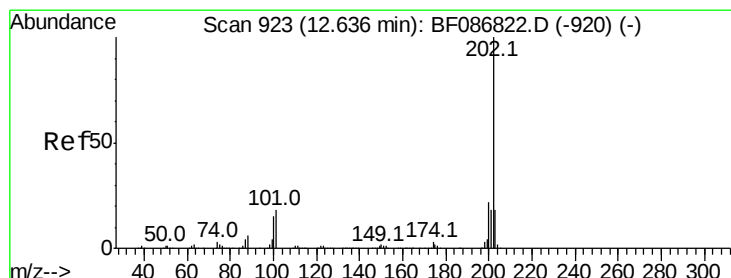
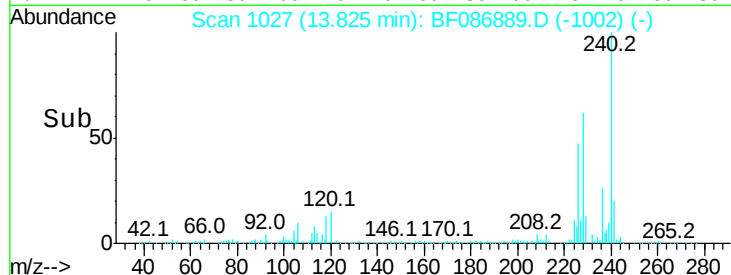
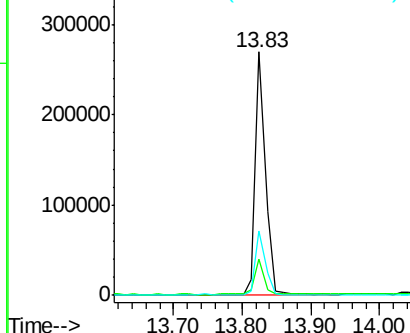
Tot Ion:	240	Resp:	270635
Ion Ratio	Lower	Upper	
240	100		
120	14.9	11.2	16.8
236	26.3	21.2	31.8

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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 48.23 ng

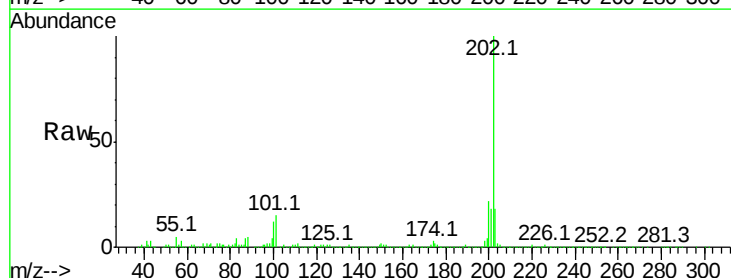
RT: 12.64 min Scan# 923

Delta R.T. 0.00 min

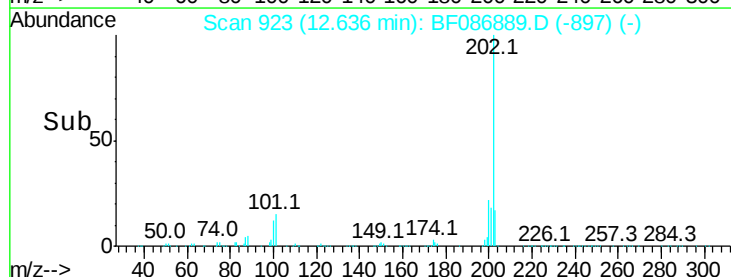
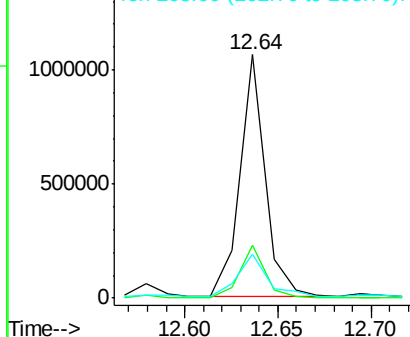
Lab File: BF086889.D

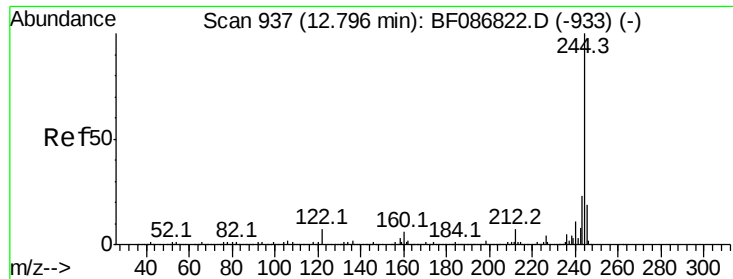
Acq: 11 May 2016 9:01

Tgt Ion:	202	Resp:	999278
Ion Ratio	Lower	Upper	
202	100		
200	21.9	17.7	26.5
203	18.1	14.2	21.4



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 18.70 ng

RT: 12.79 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF086889.D

Acq: 11 May 2016 9:01

Instrument :

BNA_F

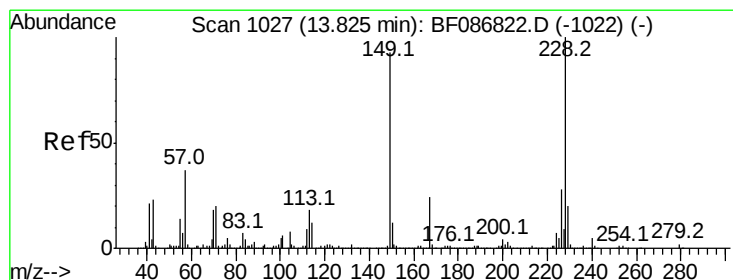
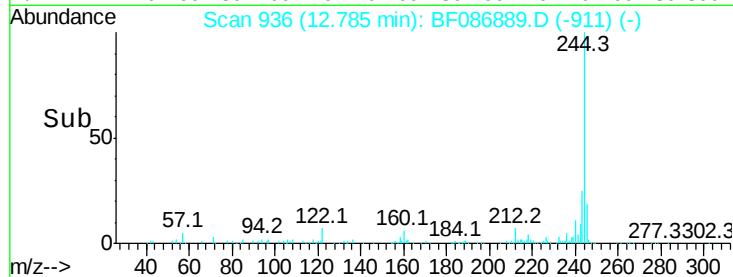
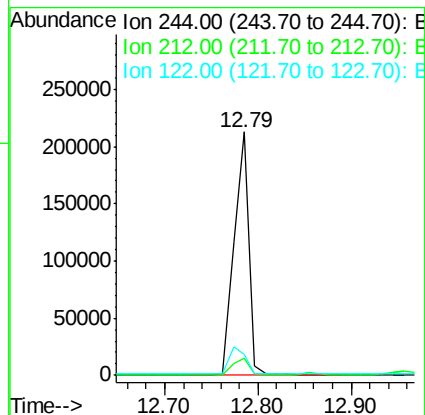
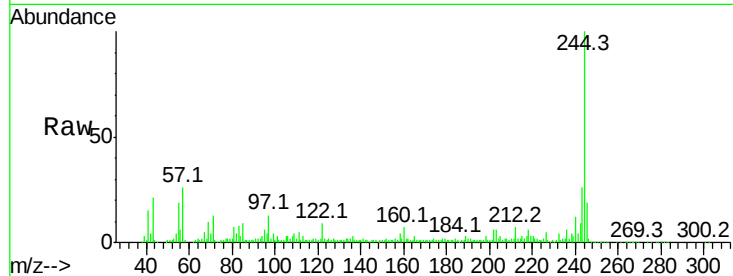
ClientSampleId :

NYSEG-CLARK-ST-ESMI-4

Tot Ion:	244	Resp:	238525
Ion Ratio	Lower	Upper	
244	100		
212	7.0	6.2	9.2
122	8.5	12.0	18.0#

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#80

Benzo(a)anthracene

Concen: 24.59 ng

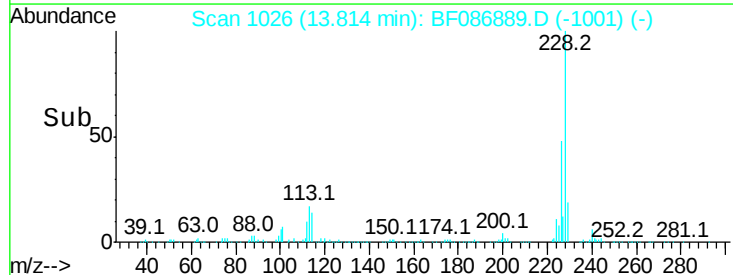
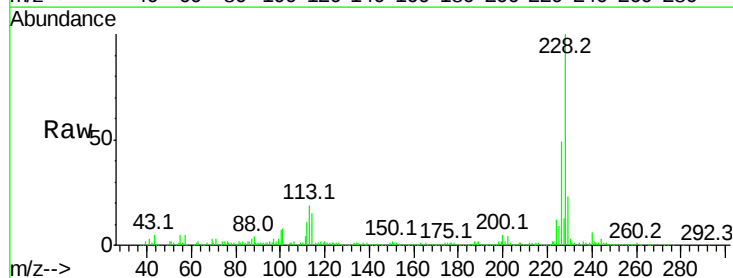
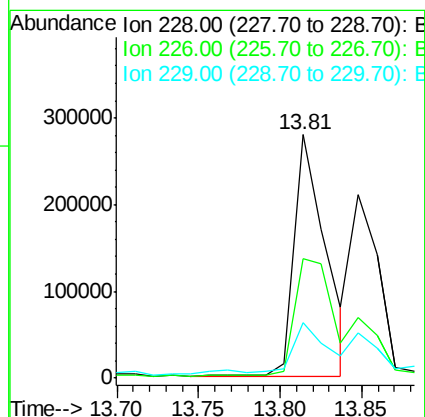
RT: 13.81 min Scan# 1026

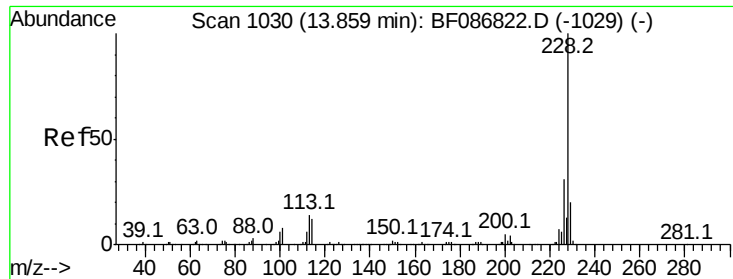
Delta R.T. -0.01 min

Lab File: BF086889.D

Acq: 11 May 2016 9:01

Tgt Ion:	228	Resp:	373536
Ion Ratio	Lower	Upper	
228	100		
226	49.3	22.5	33.7#
229	22.6	16.6	25.0





#82

Chrysene

Concen: 16.29 ng/mL

RT: 13.85 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF086889.D

Acq: 11 May 2016 9:01

Instrument :

BNA_F

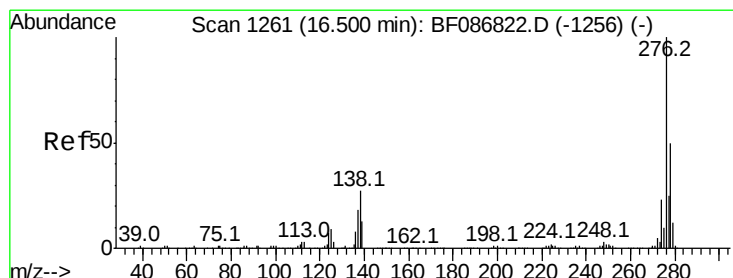
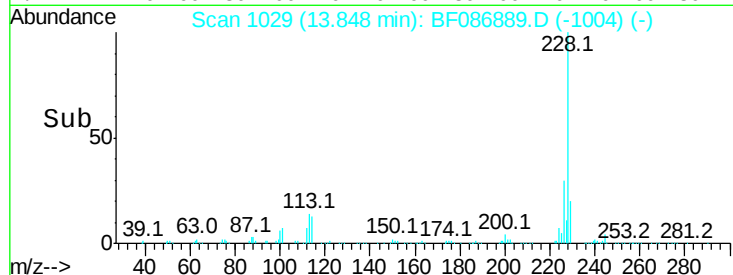
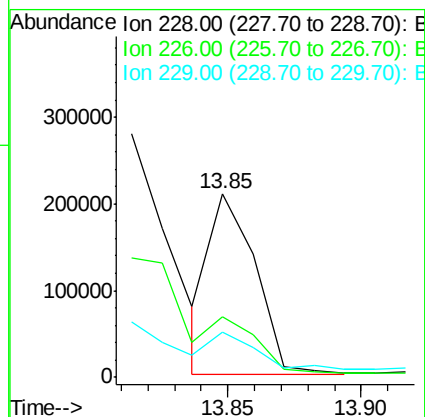
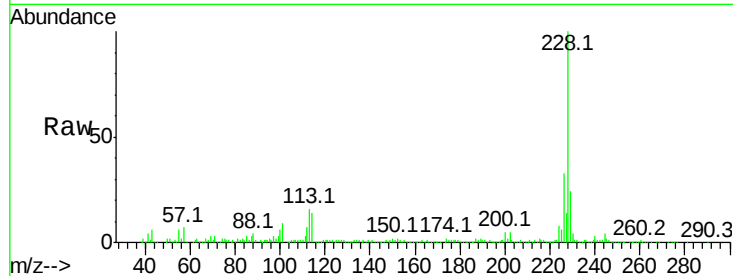
ClientSampleId :

NYSEG-CLARK-ST-ESMI-4

Tot Ion:	228	Resp:	251774
Ion Ratio	Lower	Upper	
228	100		
226	32.8	24.4	36.6
229	24.4	15.8	23.8

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#85

Indeno(1,2,3-cd)pyrene

Concen: 5.25 ng/mL

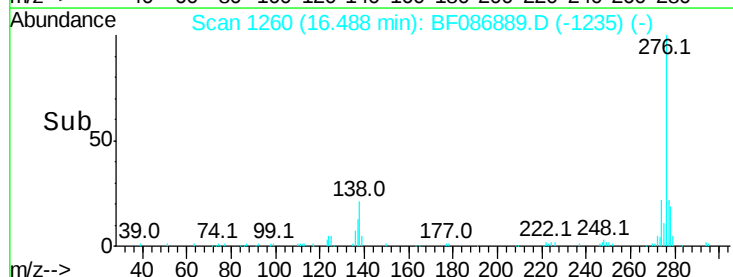
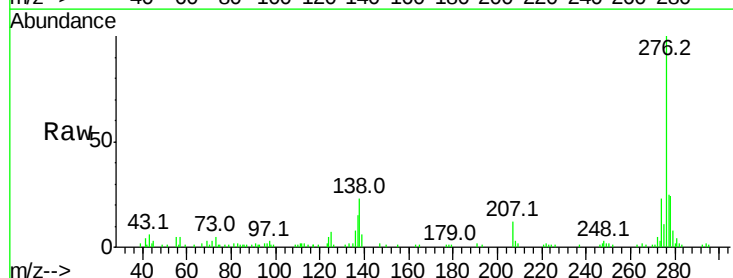
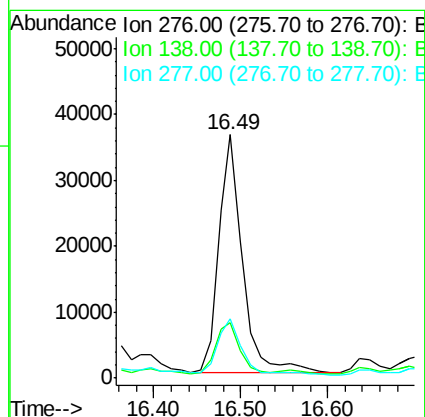
RT: 16.49 min Scan# 1260

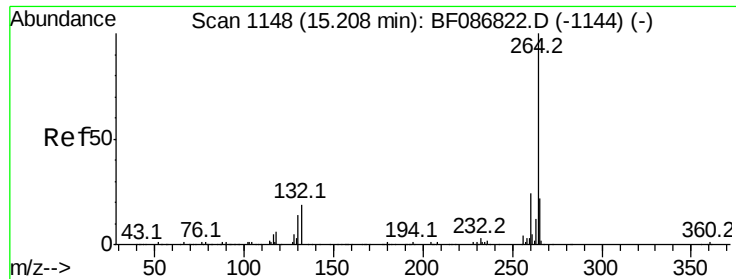
Delta R.T. -0.01 min

Lab File: BF086889.D

Acq: 11 May 2016 9:01

Tgt Ion:	276	Resp:	67481
Ion Ratio	Lower	Upper	
276	100		
138	22.4	25.6	38.4
277	21.7	20.5	30.7





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.20 min Scan# 1147

Delta R.T. -0.01 min

Lab File: BF086889.D

Acq: 11 May 2016 9:01

Instrument :

BNA_F

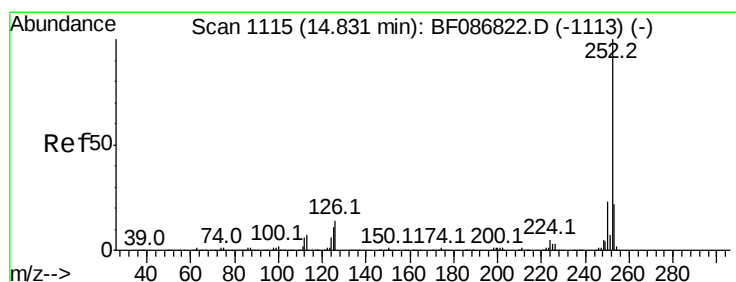
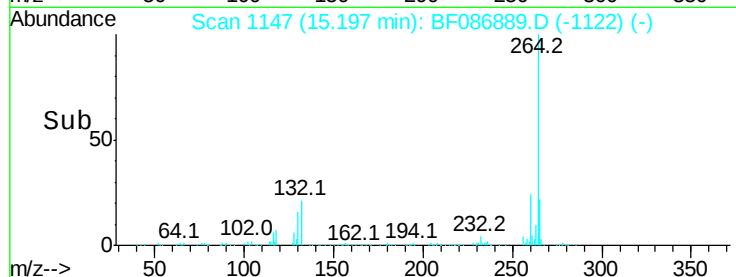
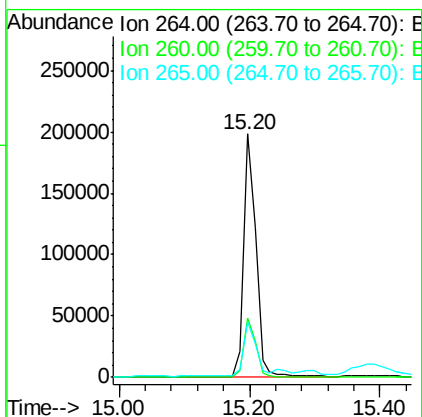
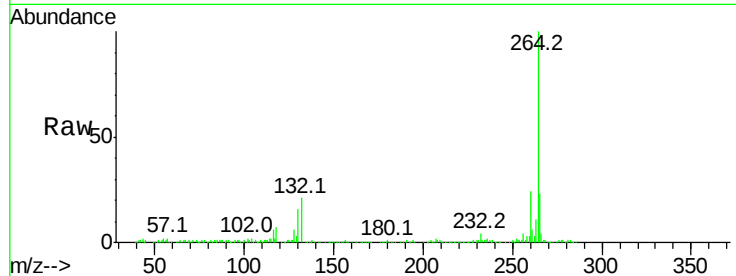
ClientSampleId :

NYSEG-CLARK-ST-ESMI-4

Tot Ion:	264	Resp:	258387
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.5	29.3
265	22.6	17.3	25.9

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#87

Benzo(b)fluoranthene

Concen: 9.84 ng m

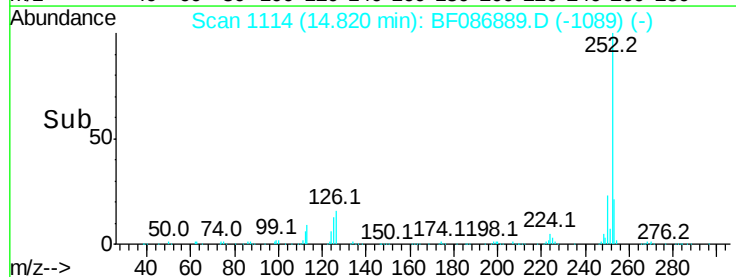
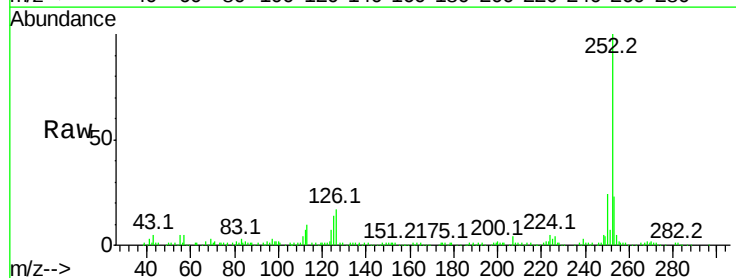
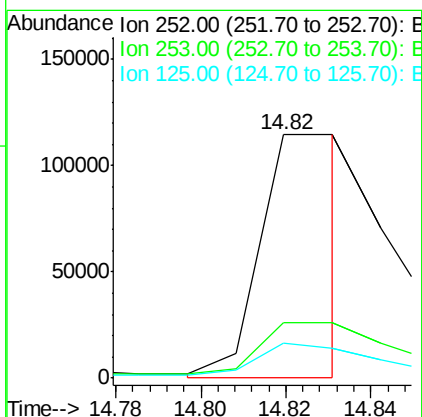
RT: 14.82 min Scan# 1114

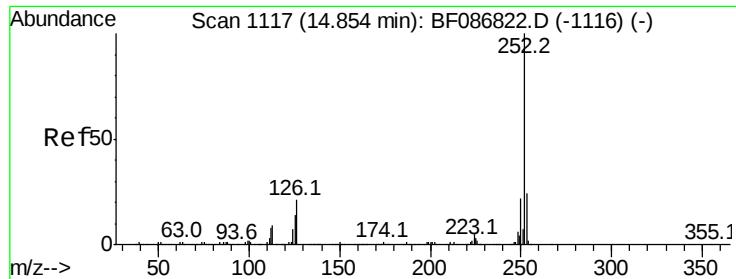
Delta R.T. -0.01 min

Lab File: BF086889.D

Acq: 11 May 2016 9:01

Tgt Ion:	252	Resp:	165224
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.8	26.6
125	14.2	11.4	17.0





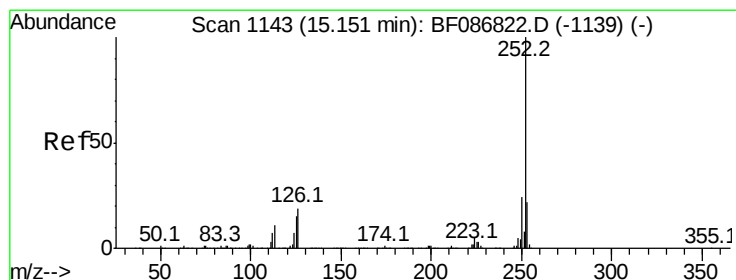
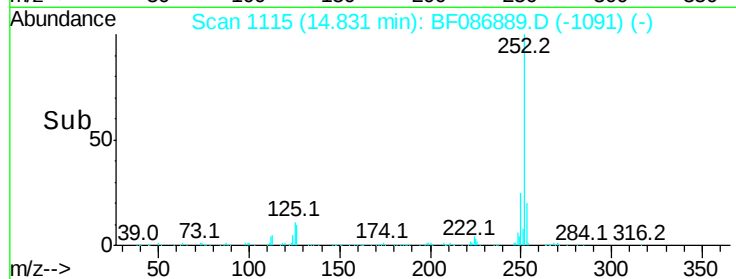
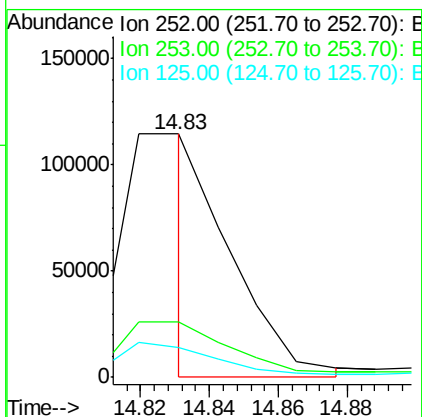
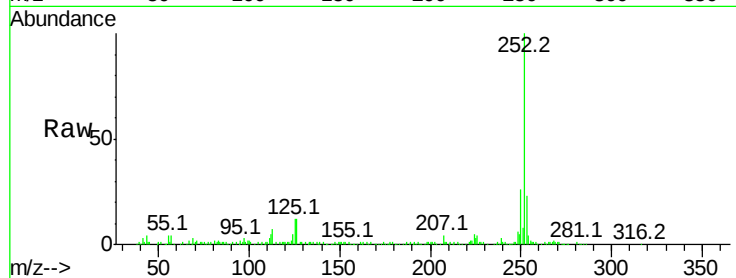
#88
Benzo(k)fluoranthene
Concen: 5.81 ng m
RT: 14.83 min Scan# 1115
Delta R.T. -0.02 min
Lab File: BF086889.D
Acq: 11 May 2016 9:01

Instrument :
BNA_F
ClientSampleId :
NYSEG-CLARK-ST-ESMI-4

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.7	17.8	26.6
125	12.1	9.1	13.7

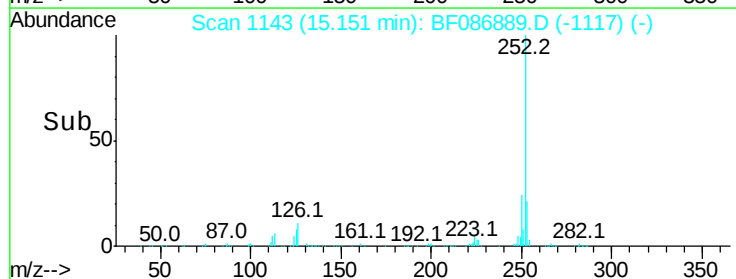
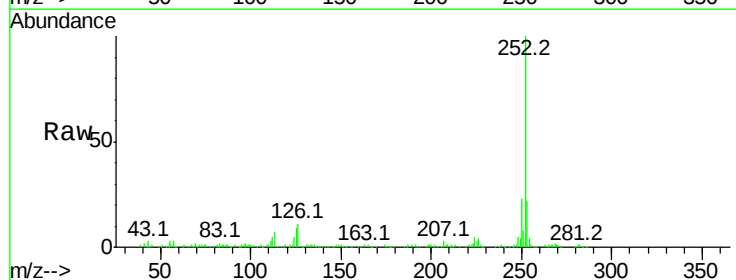
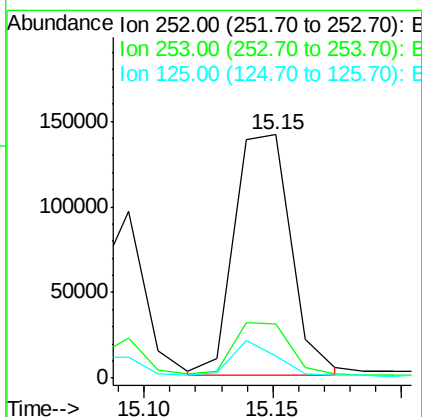
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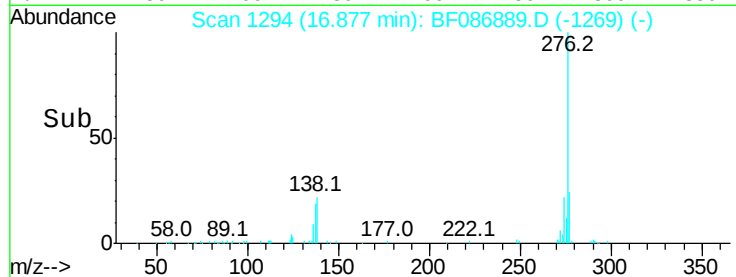
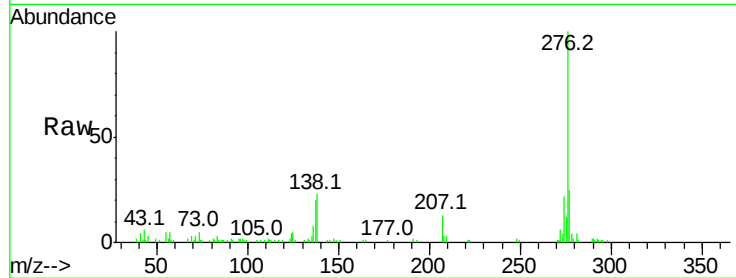
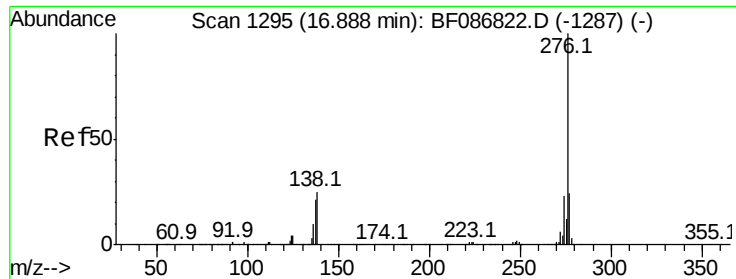
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#89
Benzo(a)pyrene
Concen: 14.90 ng m
RT: 15.15 min Scan# 1143
Delta R.T. 0.00 min
Lab File: BF086889.D
Acq: 11 May 2016 9:01

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	22.0	17.2	25.8
125	9.0	9.0	13.6#





#91

Benzo(a,h,i)perylene

Concen: 6.30 ng/ml

RT: 16.88 min Scan# 1294

Delta R.T. -0.01 min

Lab File: BF086889.D

Acq: 11 May 2016 9:01

Tot Ion:	276	Resp:	78088
Ion Ratio		Lower	Upper
276	100		
277	25.3	19.6	29.4
138	22.9	23.6	35.4

Instrument :

BNA_F

ClientSampleId :

NYSEG-CLARK-ST-ESMI-4

Manual Integrations
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