

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051016\
 Data File : BF086888.D
 Acq On : 11 May 2016 8:33
 Operator : UM/SJ
 Sample : H2961-01 5X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-CLARK-ST-ESMI-3

Manual Integrations
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Quant Time: May 11 12:03:20 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	142271	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	532031	20.00	ng	-0.01
38) Acenaphthene-d10	9.72	164	221103	20.00	ng	-0.01
63) Phenanthrene-d10	11.20	188	335516	20.00	ng	-0.01
75) Chrysene-d12	13.83	240	295759	20.00	ng	-0.01
86) Perylene-d12	15.20	264	258511	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	253141	30.13	ng	-0.01
7) Phenol-d6	6.34	99	341977	30.46	ng	-0.02
23) Nitrobenzene-d5	7.25	82	212023	20.01	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	50935	21.76	ng	-0.01
44) 2-Fluorobiphenyl	9.05	172	358572	27.26	ng	-0.01
78) Terphenyl-d14	12.77	244	244743	17.56	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.00	128	391458	14.69	ng	99
45) 1,1'-Biphenyl	9.15	154	153497	8.73	ng	98
48) Acenaphthylene	9.58	152	97553	4.81	ng	# 88
49) Dimethylphthalate	9.45	163	34713	2.06	ng	98
51) Acenaphthene	9.76	154	465037	36.89	ng	97
57) Fluorene	10.27	166	361327	26.18	ng	98
70) Phenanthrene	11.23	178	1247692	69.68	ng	100
71) Anthracene	11.28	178	449821	24.56	ng	100
74) Fluoranthene	12.41	202	383292	20.81	ng	94
77) Pyrene	12.64	202	591697	26.13	ng	99
80) Benzo(a)anthracene	13.81	228	208247	12.54	ng	# 78
82) Chrysene	13.85	228	127090m	7.53	ng	
87) Benzo(b)fluoranthene	14.82	252	88087m	5.24	ng	
88) Benzo(k)fluoranthene	14.83	252	41768m	3.04	ng	
89) Benzo(a)pyrene	15.14	252	114553m	7.90	ng	
91) Benzo(g,h,i)perylene	16.87	276	37305	3.01	ng	97

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

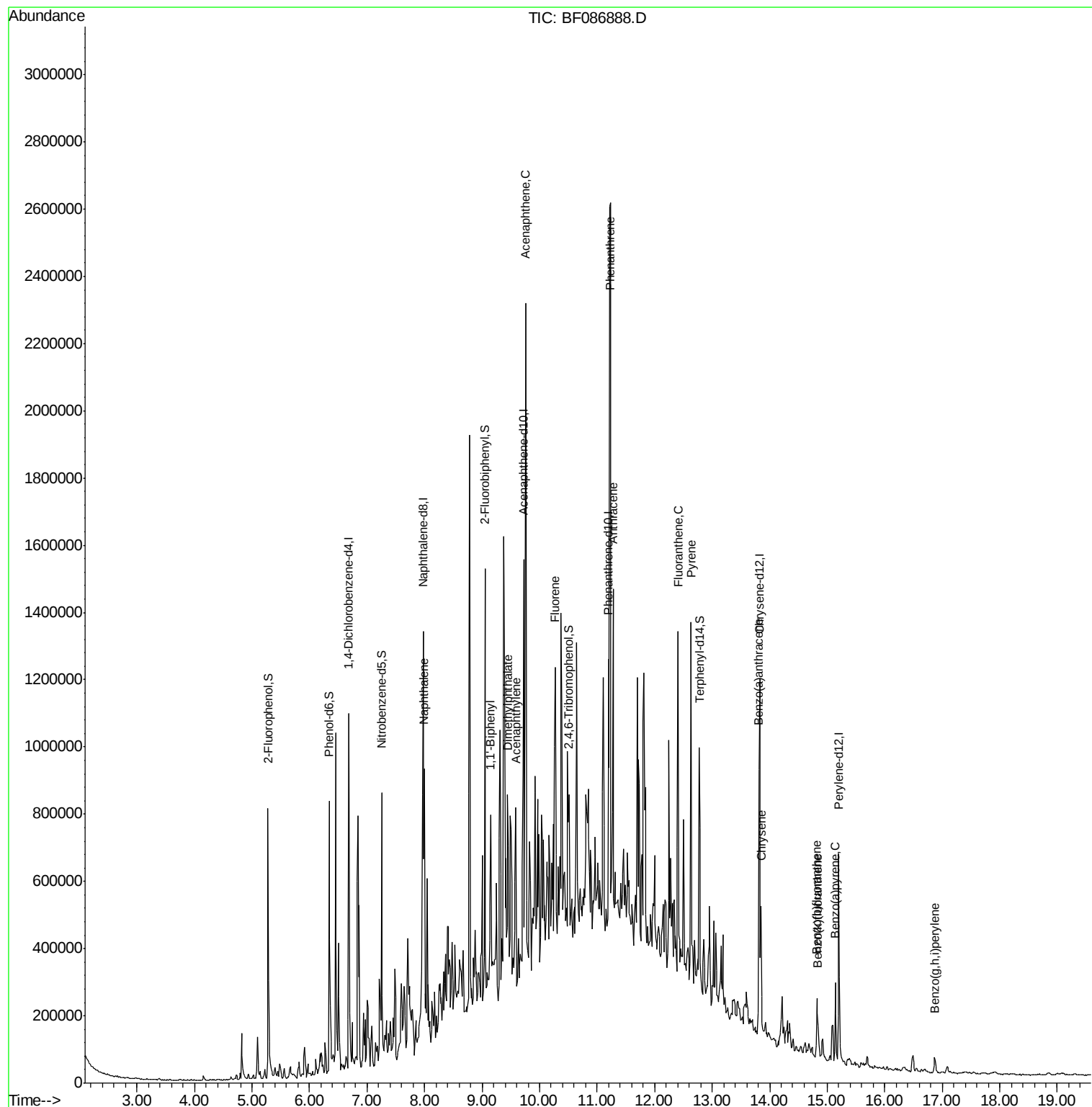
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051016\
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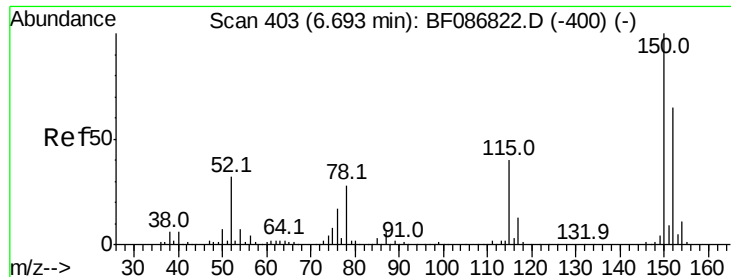
Instrument :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
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QLast Update : Mon May 09 16:04:56 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 402

Delta R.T. -0.01 min

Lab File: BF086888.D

Acq: 11 May 2016 8:33

Instrument :

BNA_F

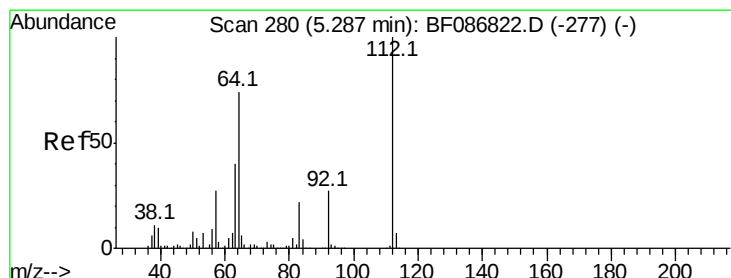
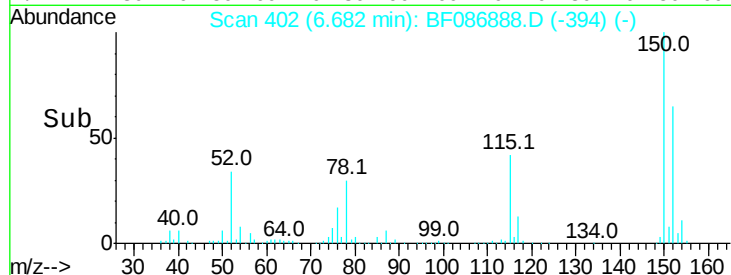
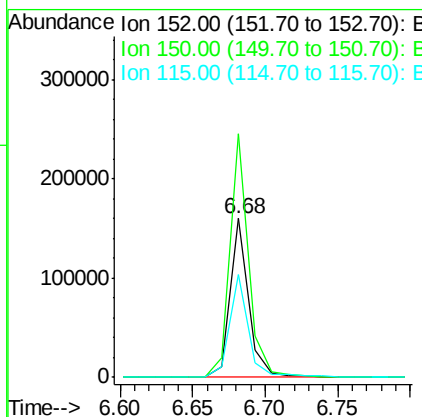
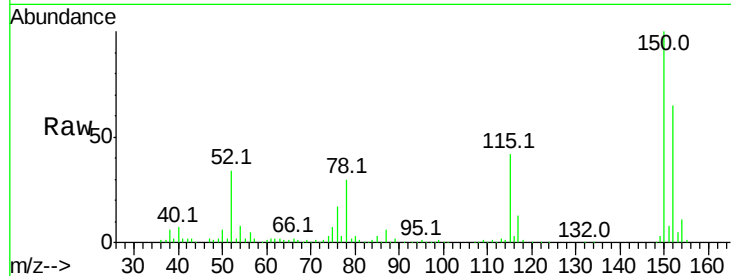
ClientSampleId :

NYSEG-CLARK-ST-ESMI-3

Tot Ion:	152	Resp:	142271
Ion Ratio	Lower	Upper	
152	100		
150	153.2	125.8	188.6
115	64.6	51.5	77.3

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#5

2-Fluorophenol

Concen: 30.13 ng

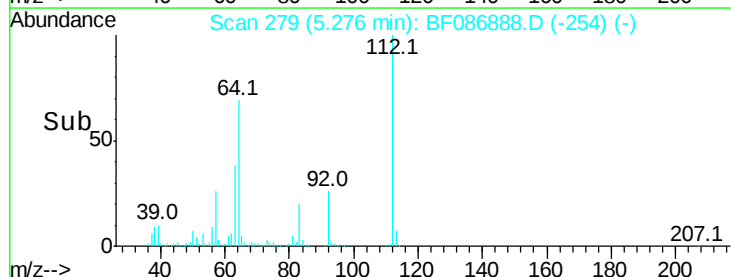
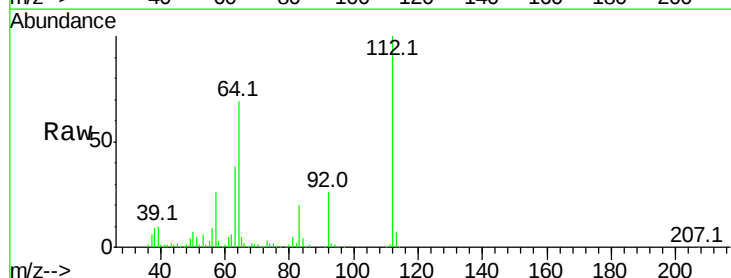
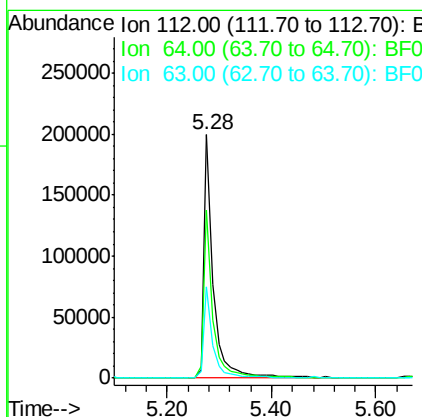
RT: 5.28 min Scan# 279

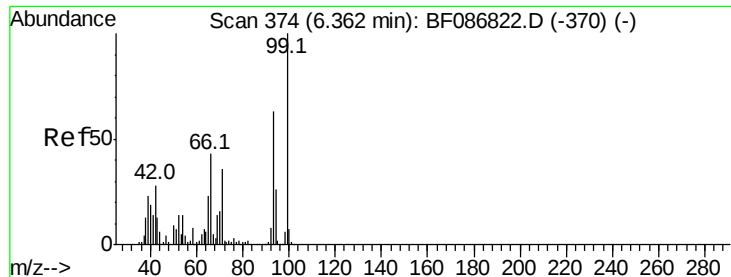
Delta R.T. -0.01 min

Lab File: BF086888.D

Acq: 11 May 2016 8:33

Tgt Ion:	112	Resp:	253141
Ion Ratio	Lower	Upper	
112	100		
64	69.2	52.1	78.1
63	37.7	25.7	38.5





#7

Phenol-d6

Concen: 30.46 ng

RT: 6.34 min Scan# 372

Delta R.T. -0.02 min

Lab File: BF086888.D

Acq: 11 May 2016 8:33

Instrument :

BNA_F

ClientSampleId :

NYSEG-CLARK-ST-ESMI-3

Tot Ion: 99 Resp: 341977

Ion Ratio Lower Upper

99 100

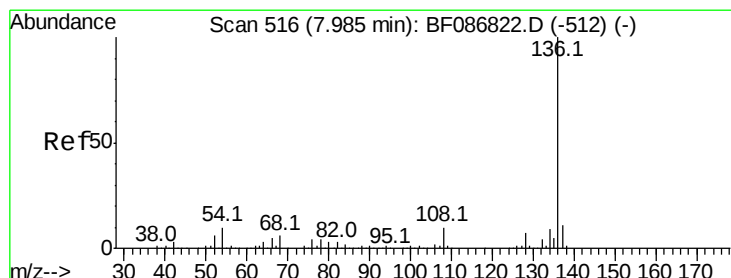
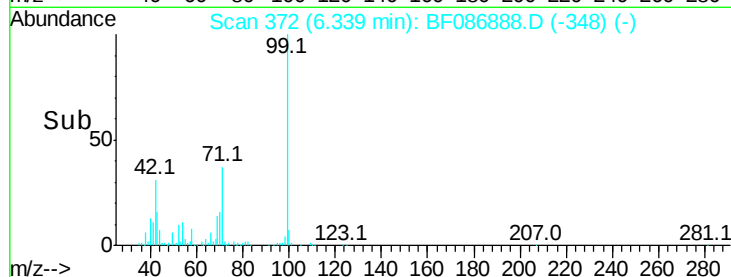
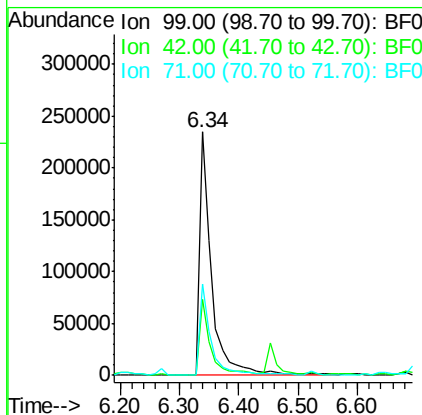
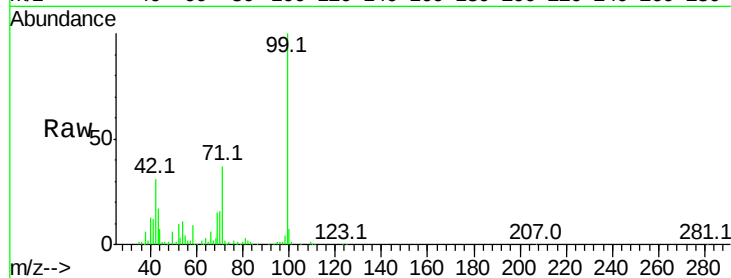
42 31.2 13.6 20.4#

71 37.3 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: BF086888.D

Acq: 11 May 2016 8:33

Tgt Ion: 136 Resp: 532031

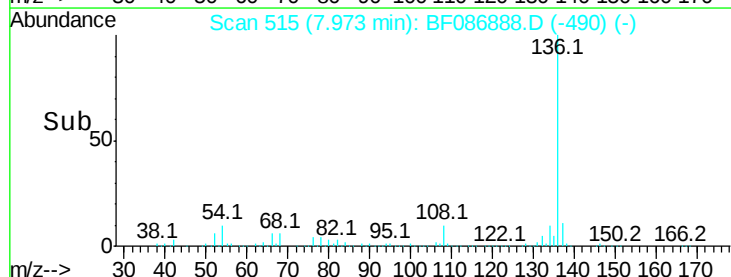
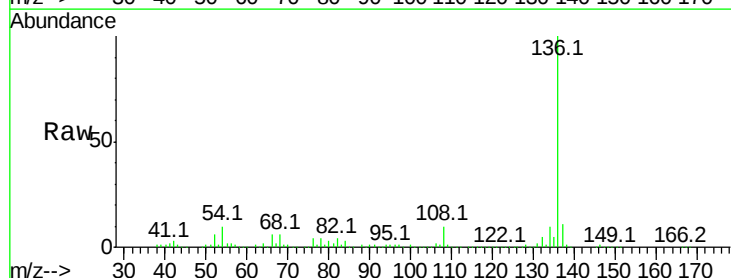
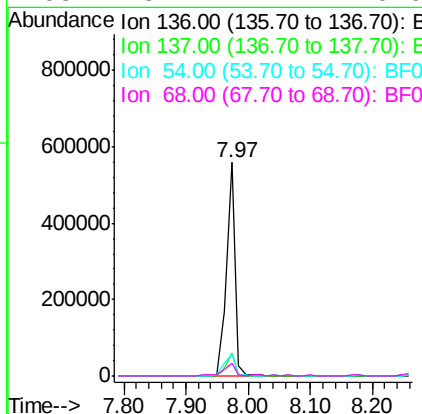
Ion Ratio Lower Upper

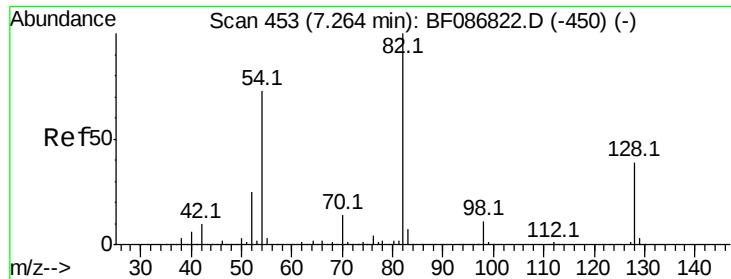
136 100

137 10.9 8.8 13.2

54 10.4 5.0 7.4#

68 5.7 4.4 6.6





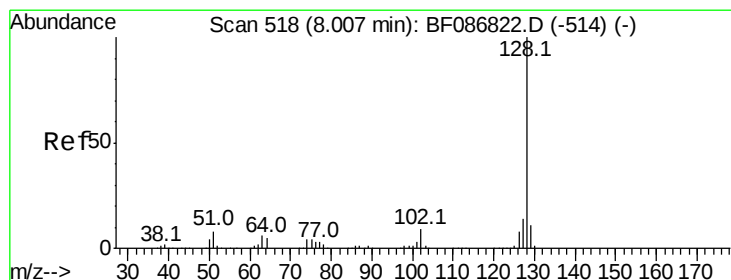
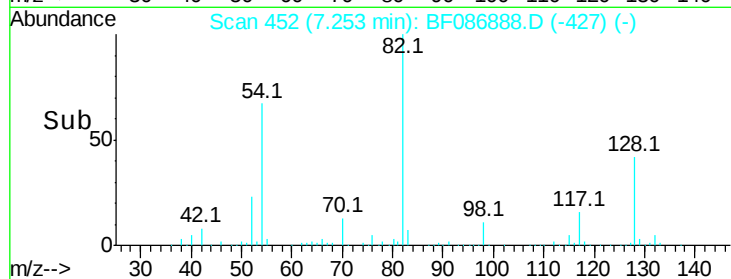
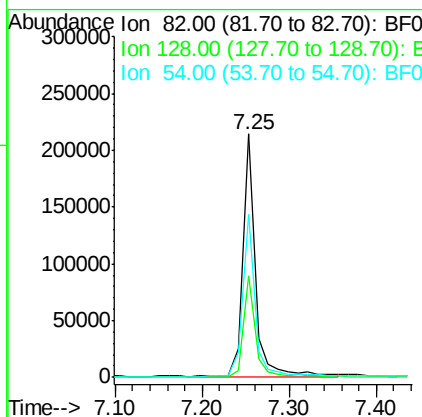
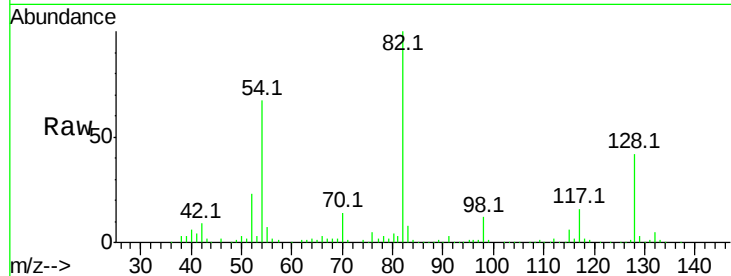
#23
Nitrobenzene-d5
Concen: 20.01 ng
RT: 7.25 min Scan# 452
Delta R.T. -0.01 min
Lab File: BF086888.D
Acq: 11 May 2016 8:33

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp Lower	Upper
82	100		
128	41.9	40.6	61.0
54	67.2	38.1	57.1#

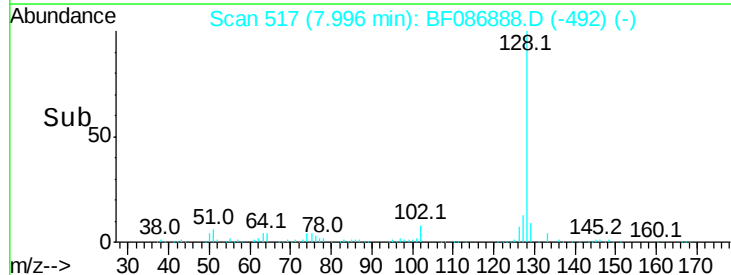
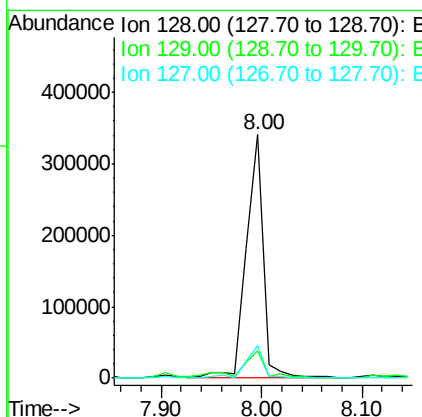
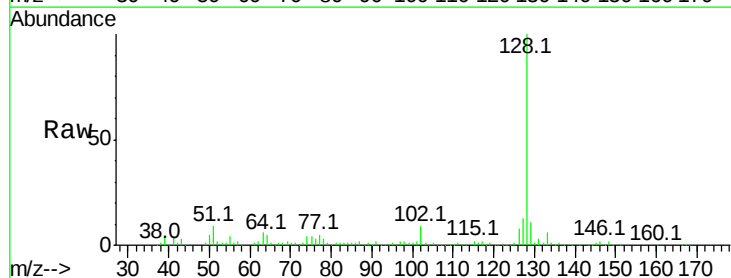
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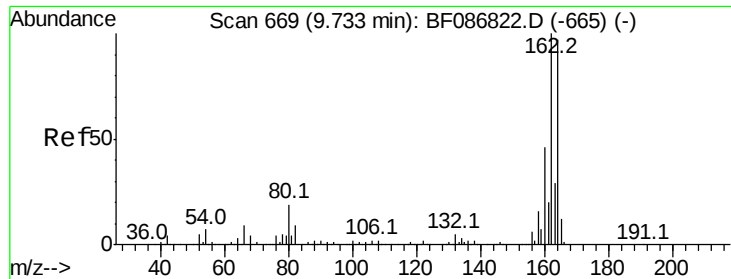
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#31
Naphthalene
Concen: 14.69 ng
RT: 8.00 min Scan# 517
Delta R.T. -0.01 min
Lab File: BF086888.D
Acq: 11 May 2016 8:33

Tgt Ion	Ratio	Resp Lower	Upper
128	100		
129	11.3	8.6	13.0
127	13.4	10.8	16.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.72 min Scan# 668

Delta R.T. -0.01 min

Lab File: BF086888.D

Acq: 11 May 2016 8:33

Instrument :

BNA_F

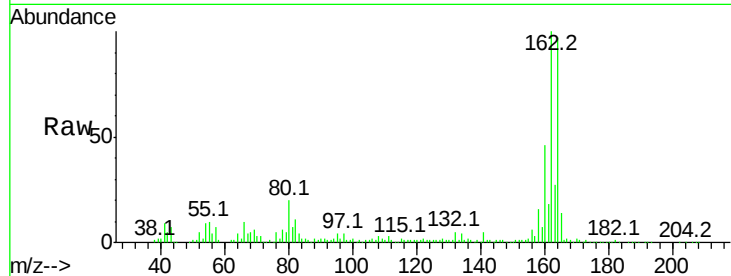
ClientSampleId :

NYSEG-CLARK-ST-ESMI-3

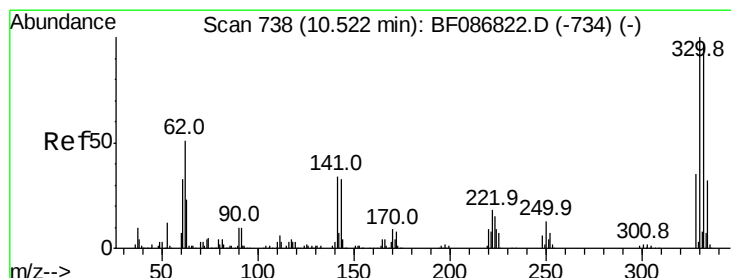
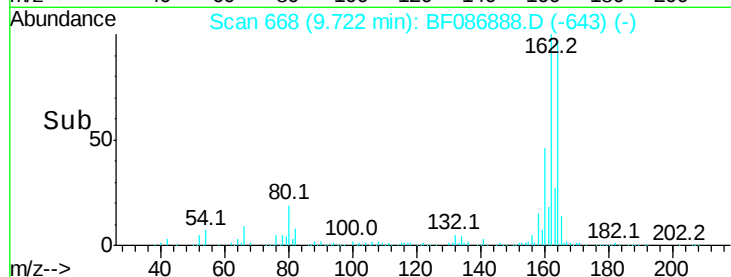
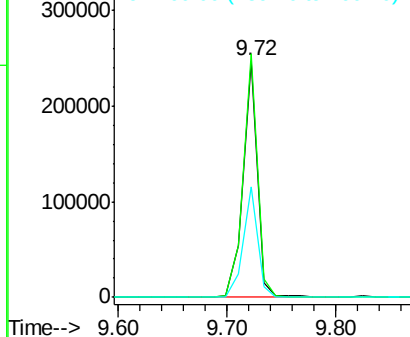
Tot Ion:	164	Resp:	221103
Ion Ratio	Lower	Upper	
164	100		
162	103.0	82.8	124.2
160	46.9	36.9	55.3

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



#41

2,4,6-Tribromophenol

Concen: 21.76 ng

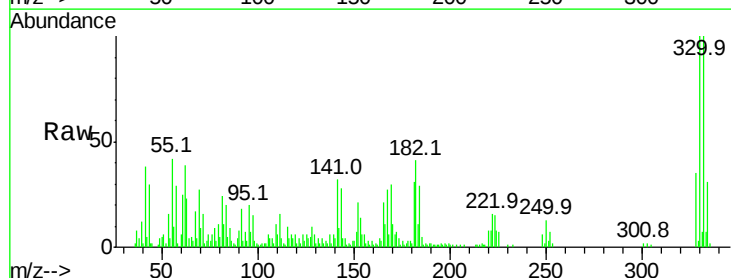
RT: 10.51 min Scan# 737

Delta R.T. -0.01 min

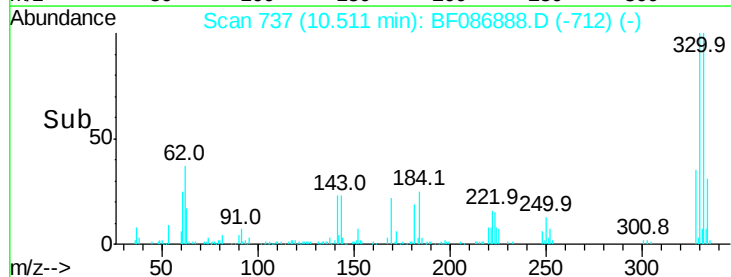
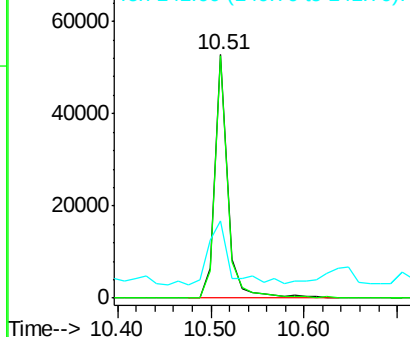
Lab File: BF086888.D

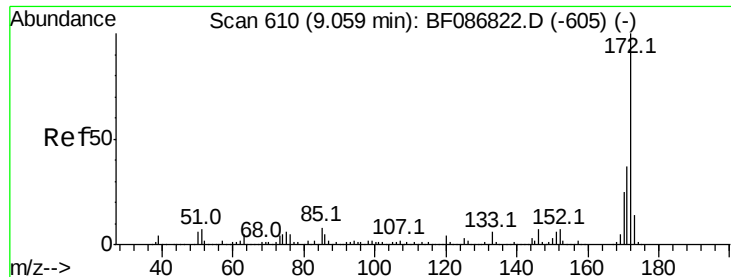
Acq: 11 May 2016 8:33

Tgt Ion:	330	Resp:	50935
Ion Ratio	Lower	Upper	
330	100		
332	98.2	79.0	118.4
141	43.7	31.2	46.8



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





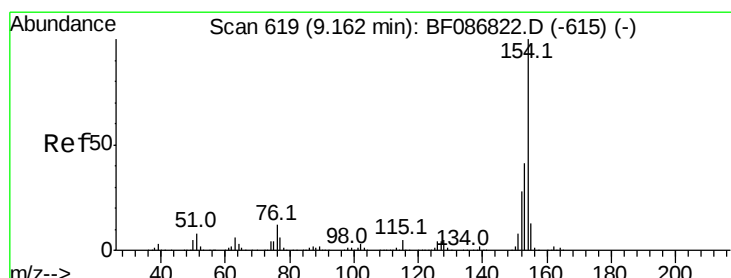
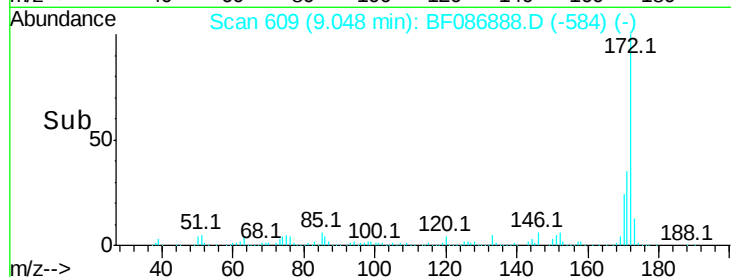
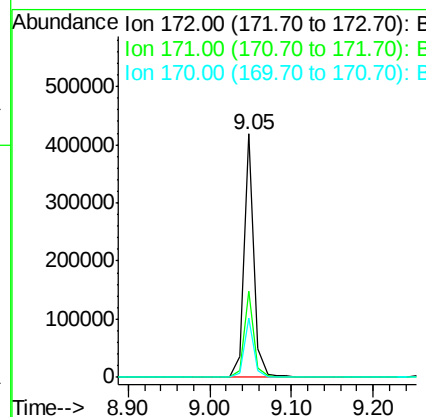
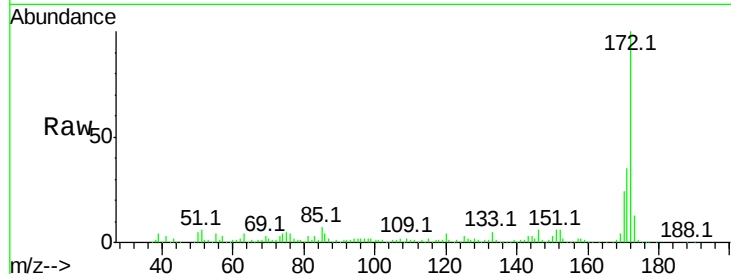
#44
2-Fluorobiphenyl
Concen: 27.26 ng
RT: 9.05 min Scan# 609
Delta R.T. -0.01 min
Lab File: BF086888.D
Acq: 11 May 2016 8:33

Instrument :
BNA_F
ClientSampleId :
NYSEG-CLARK-ST-ESMI-3

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.4	29.0	43.6	
170	24.1	19.8	29.8	

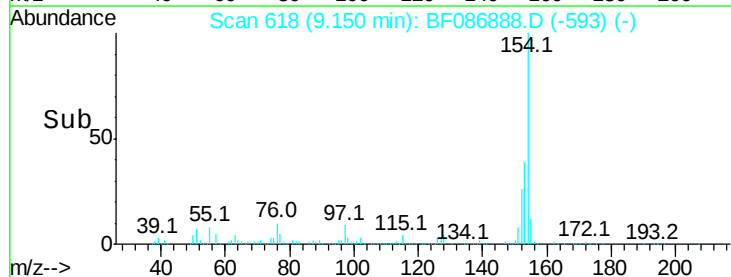
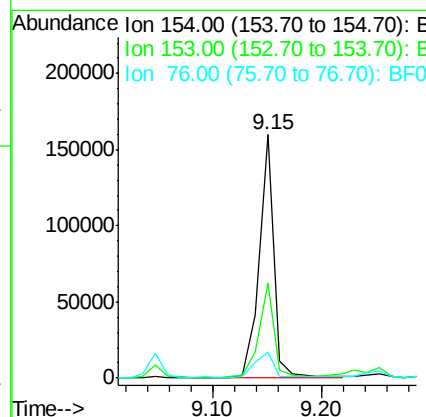
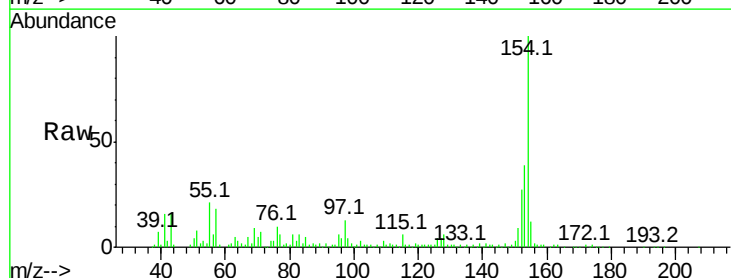
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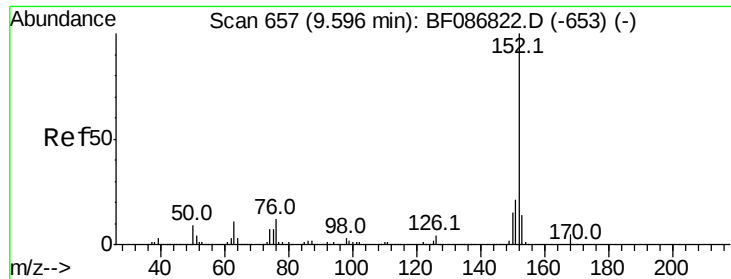
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#45
1,1'-Biphenyl
Concen: 8.73 ng
RT: 9.15 min Scan# 618
Delta R.T. -0.01 min
Lab File: BF086888.D
Acq: 11 May 2016 8:33

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	39.0	20.3	60.3	
76	10.5	0.0	30.2	





#48

Acenaphthylene

Concen: 4.81 ng

RT: 9.58 min Scan# 656

Delta R.T. -0.01 min

Lab File: BF086888.D

Acq: 11 May 2016 8:33

Instrument :

BNA_F

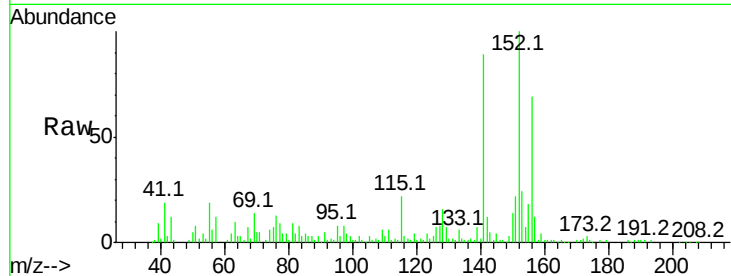
ClientSampleId :

NYSEG-CLARK-ST-ESMI-3

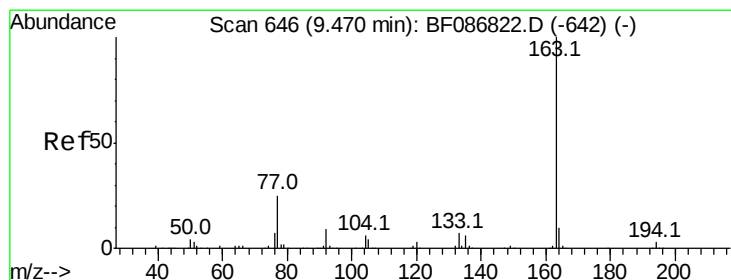
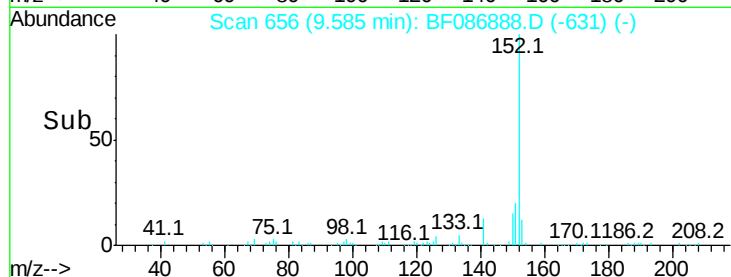
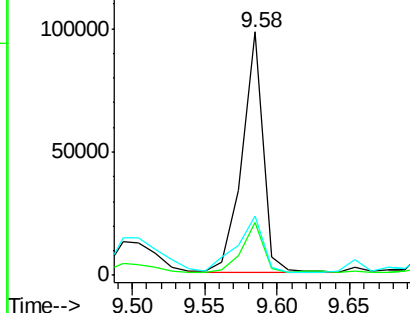
Tot Ion:	152	Resp:	97553
Ion Ratio	Lower	Upper	
152	100		
151	21.9	16.8	25.2
153	24.3	10.9	16.3#

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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



#49

Dimethylphthalate

Concen: 2.06 ng

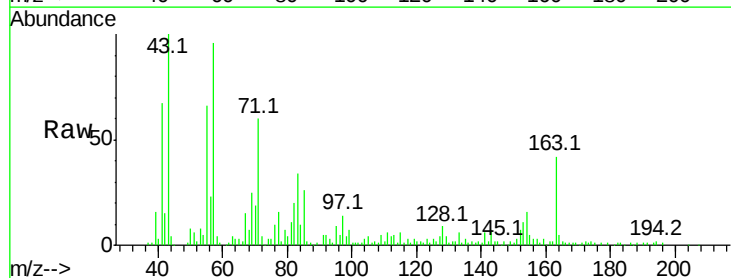
RT: 9.45 min Scan# 644

Delta R.T. -0.02 min

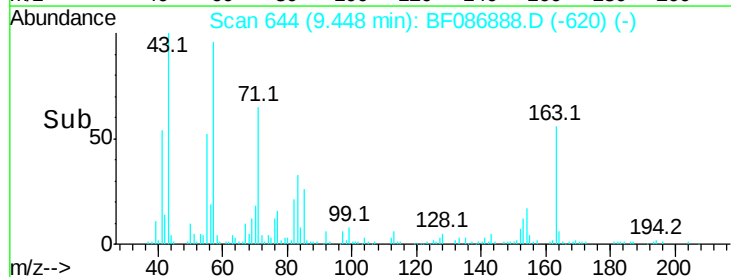
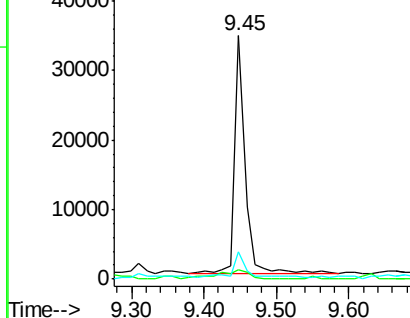
Lab File: BF086888.D

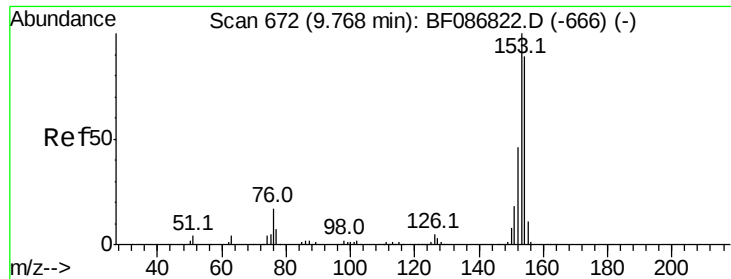
Acq: 11 May 2016 8:33

Tgt Ion:	163	Resp:	34713
Ion Ratio	Lower	Upper	
163	100		
194	3.8	2.6	4.0
164	11.0	8.2	12.4



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 36.89 ng

RT: 9.76 min Scan# 671

Delta R.T. -0.01 min

Lab File: BF086888.D

Acq: 11 May 2016 8:33

Instrument :

BNA_F

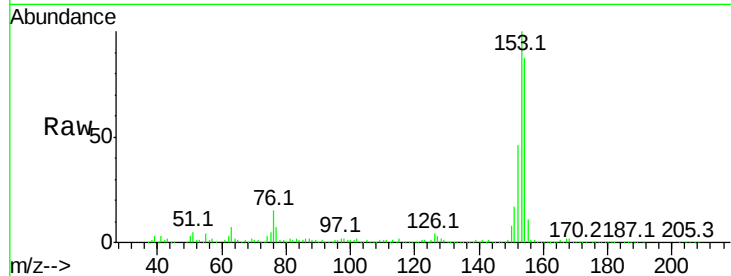
ClientSampleId :

NYSEG-CLARK-ST-ESMI-3

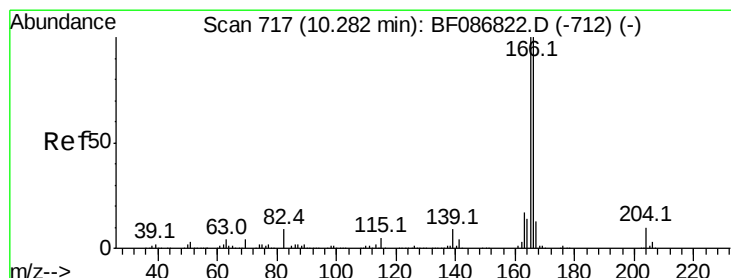
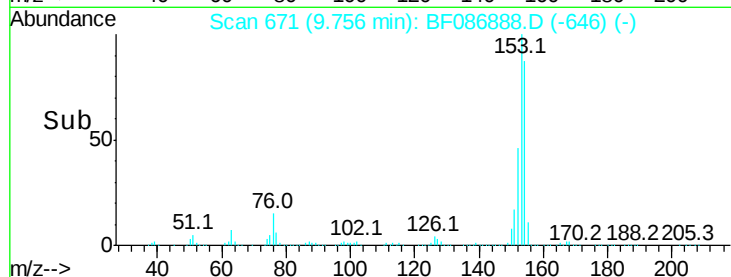
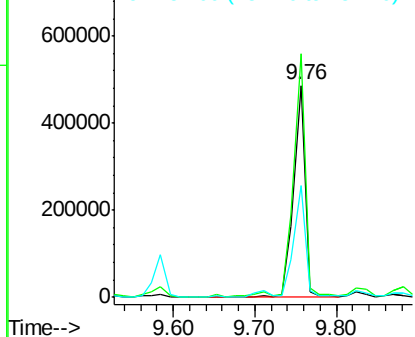
Tot Ion:	154	Resp:	465037
Ion Ratio	Lower	Upper	
154	100		
153	115.0	89.8	134.6
152	52.5	43.4	65.0

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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: 26.18 ng

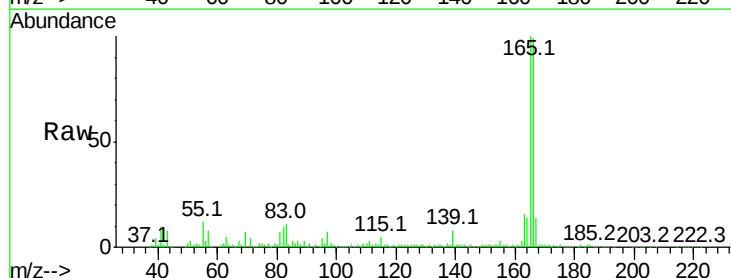
RT: 10.27 min Scan# 716

Delta R.T. -0.01 min

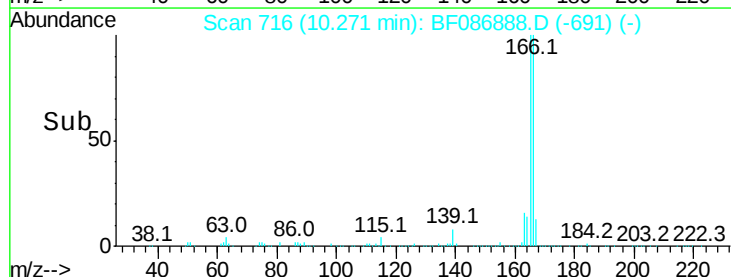
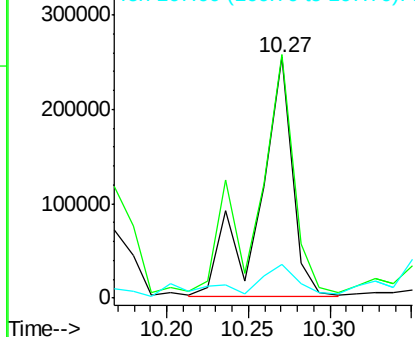
Lab File: BF086888.D

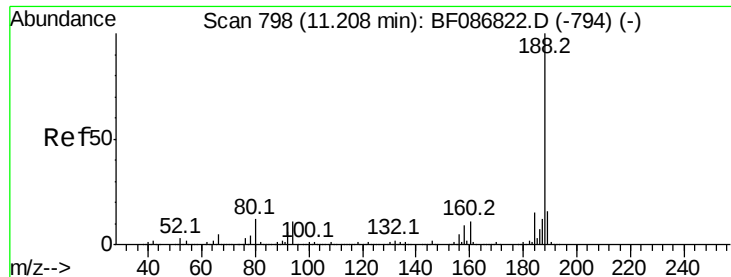
Acq: 11 May 2016 8:33

Tgt Ion:	166	Resp:	361327
Ion Ratio	Lower	Upper	
166	100		
165	101.1	79.0	118.6
167	14.1	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





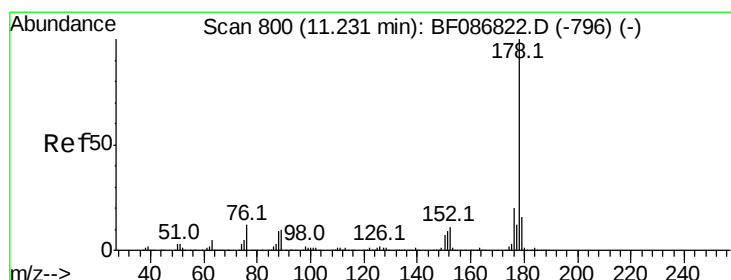
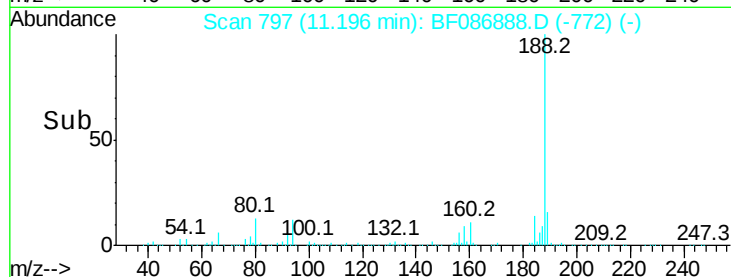
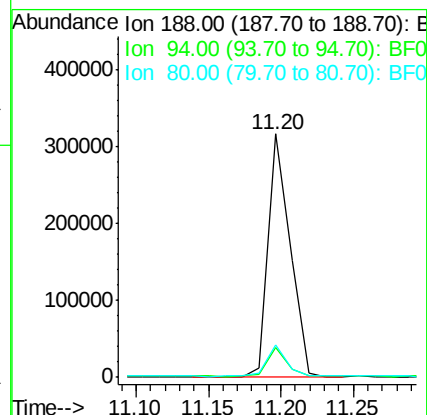
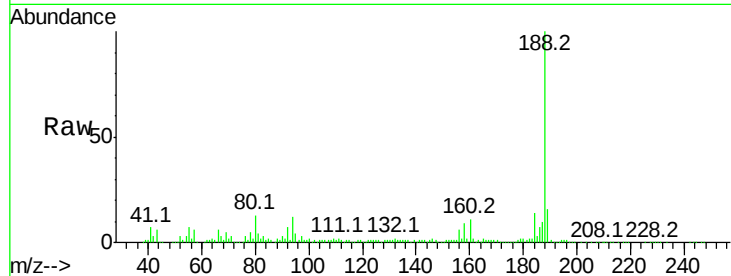
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.20 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF086888.D
Acq: 11 May 2016 8:33

Instrument :
BNA_F
ClientSampleId :
NYSEG-CLARK-ST-ESMI-3

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	12.5	6.8	10.2#
80	13.4	7.1	10.7#

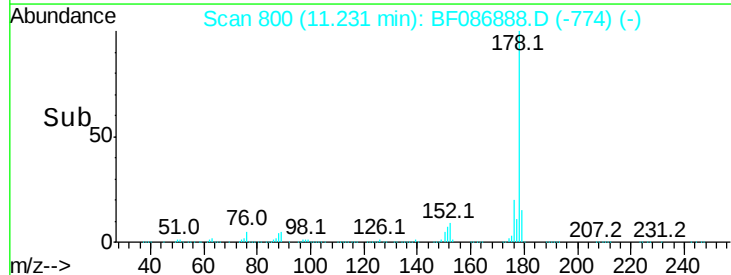
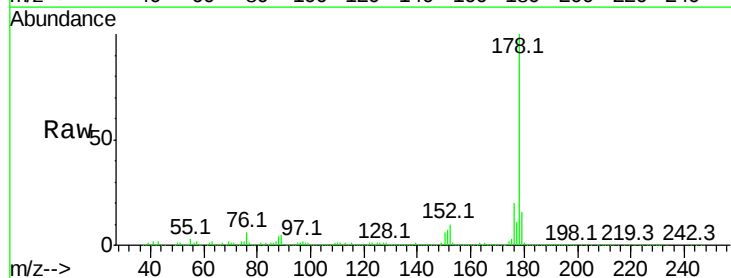
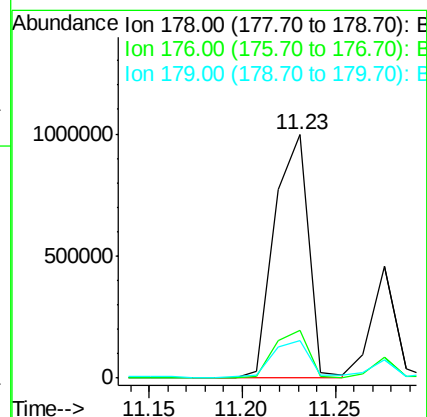
Manual Integrations
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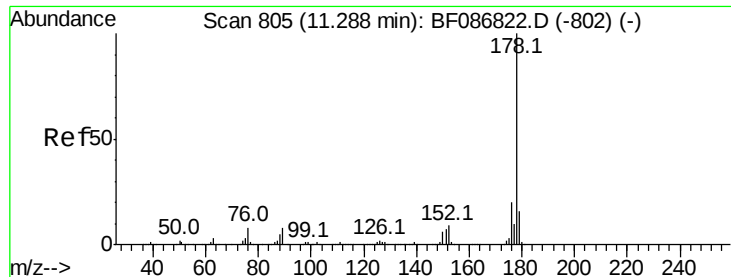
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#70
Phenanthrene
Concen: 69.68 ng
RT: 11.23 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF086888.D
Acq: 11 May 2016 8:33

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.8	16.0	24.0
179	15.5	12.6	18.8





#71

Anthracene

Concen: 24.56 ng

RT: 11.28 min Scan# 804

Delta R.T. -0.01 min

Lab File: BF086888.D

Acq: 11 May 2016 8:33

Instrument :

BNA_F

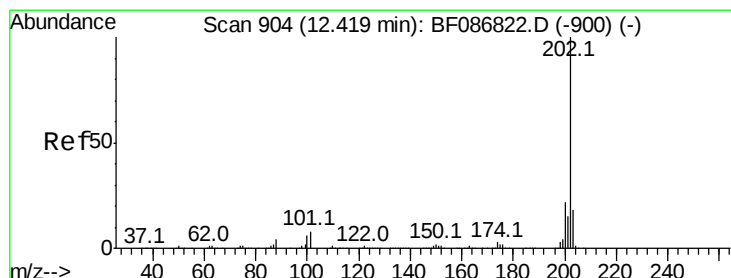
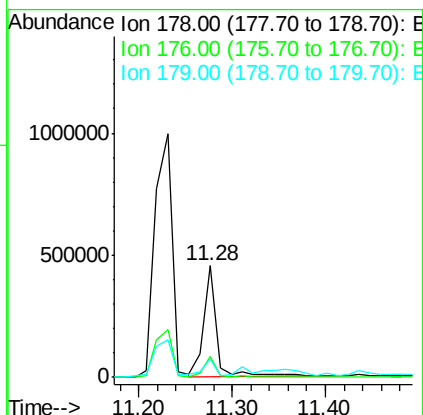
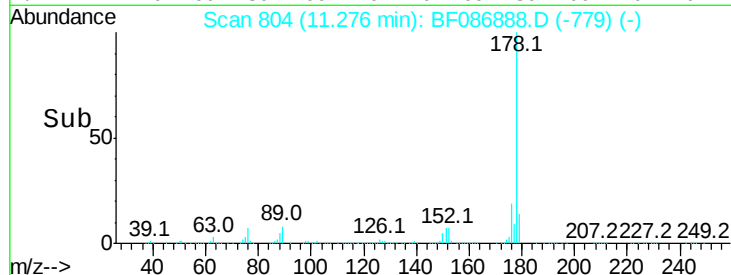
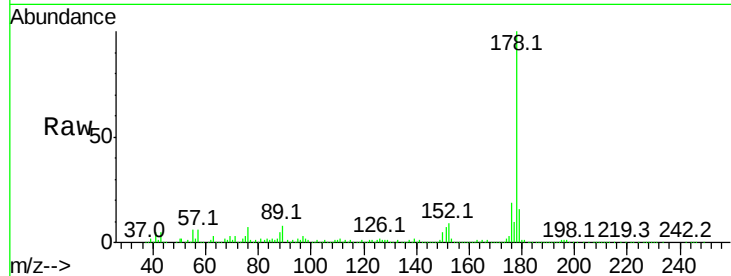
ClientSampleId :

NYSEG-CLARK-ST-ESMI-3

Tot Ion:	178	Resp:	449821
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.6	23.4
179	16.0	12.7	19.1

Manual Integrations
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#74

Fluoranthene

Concen: 20.81 ng

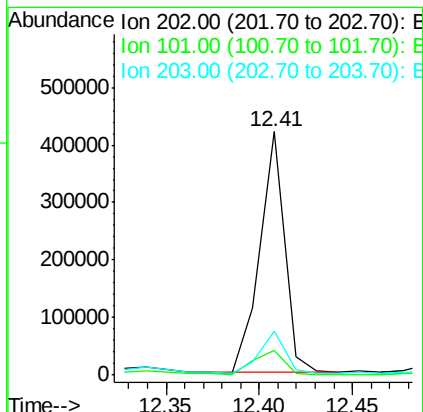
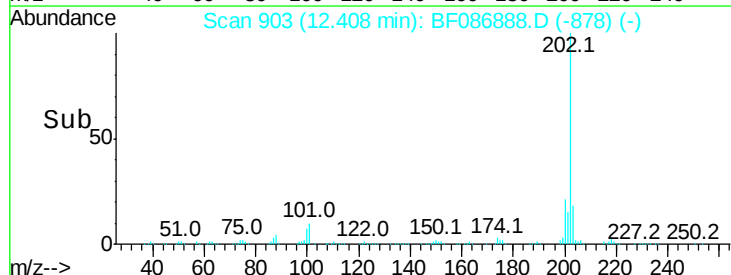
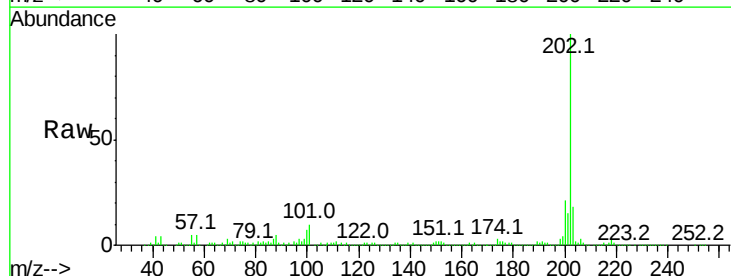
RT: 12.41 min Scan# 903

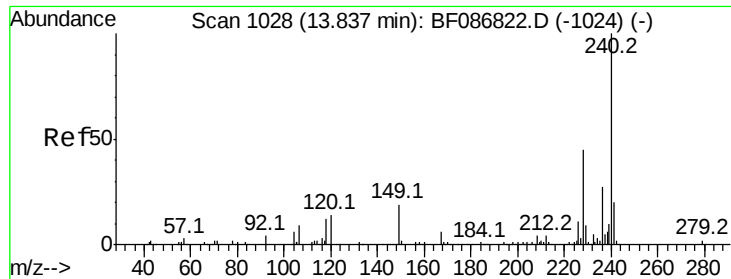
Delta R.T. -0.01 min

Lab File: BF086888.D

Acq: 11 May 2016 8:33

Tgt Ion:	202	Resp:	383292
Ion Ratio	Lower	Upper	
202	100		
101	10.3	0.0	35.4
203	18.0	0.0	38.1





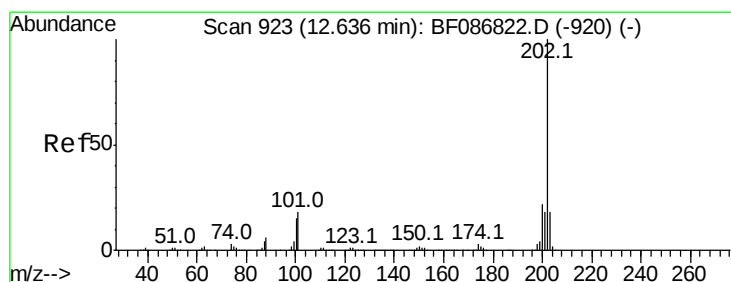
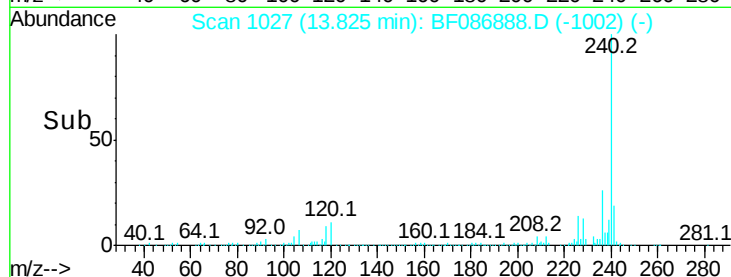
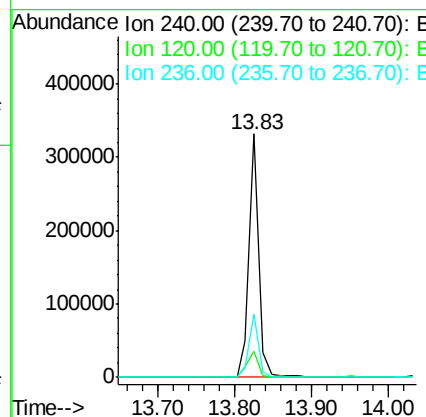
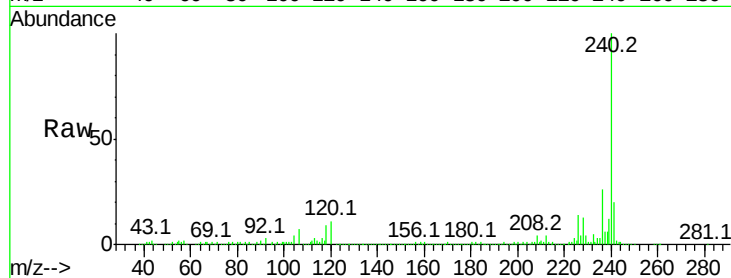
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.83 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF086888.D
Acq: 11 May 2016 8:33

Instrument :
BNA_F
ClientSampleId :
NYSEG-CLARK-ST-ESMI-3

Tot Ion	Ratio	Resp Lower	Upper
240	100		
120	10.8	11.2	16.8#
236	26.2	21.2	31.8

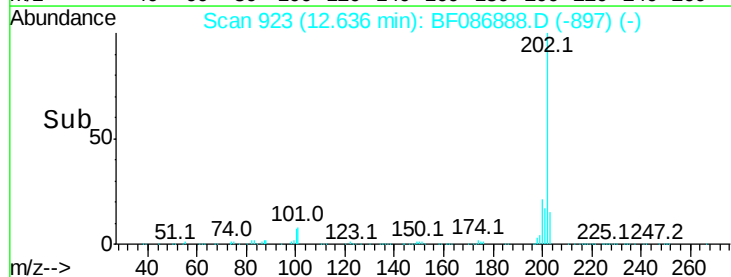
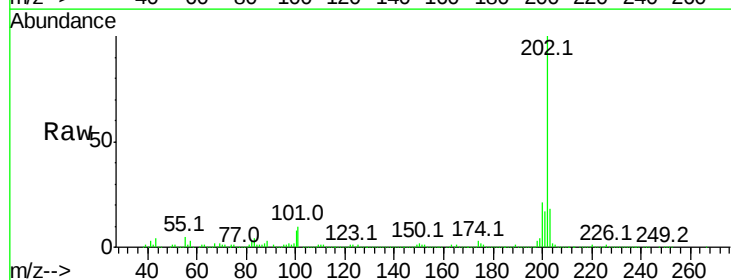
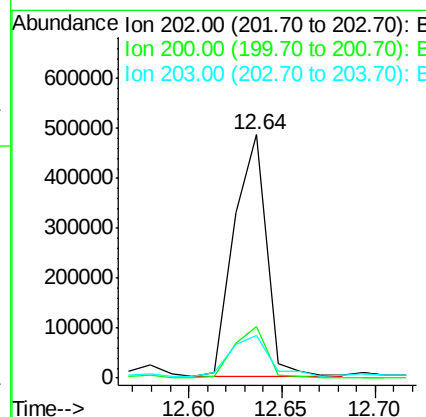
Manual Integrations
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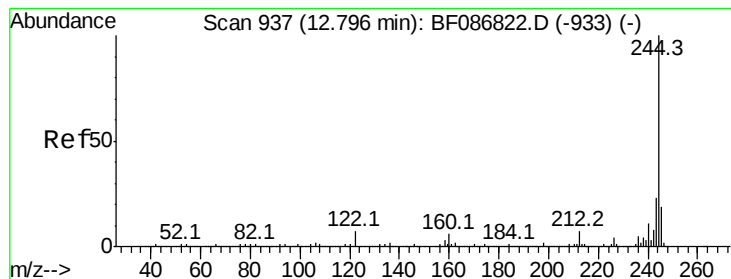
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#77
Pyrene
Concen: 26.13 ng
RT: 12.64 min Scan# 923
Delta R.T. 0.00 min
Lab File: BF086888.D
Acq: 11 May 2016 8:33

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	21.4	17.7	26.5
203	17.6	14.2	21.4





#78

Terphenyl-d14

Concen: 17.56 ng

RT: 12.77 min Scan# 935

Delta R.T. -0.02 min

Lab File: BF086888.D

Acq: 11 May 2016 8:33

Instrument :

BNA_F

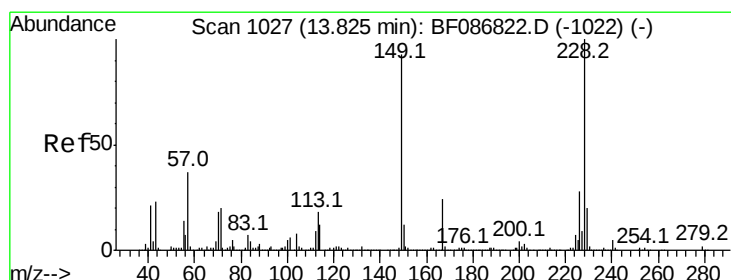
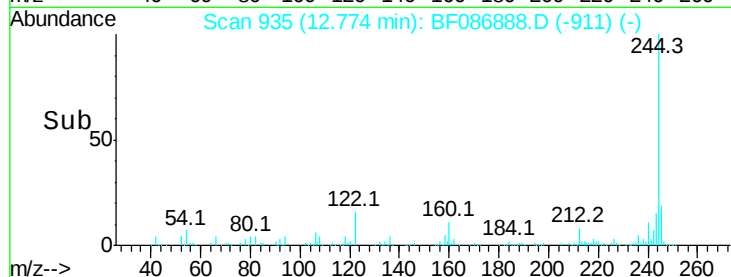
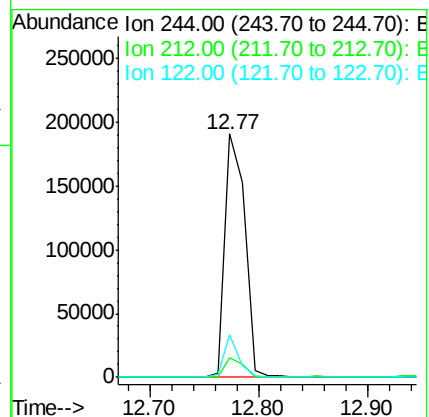
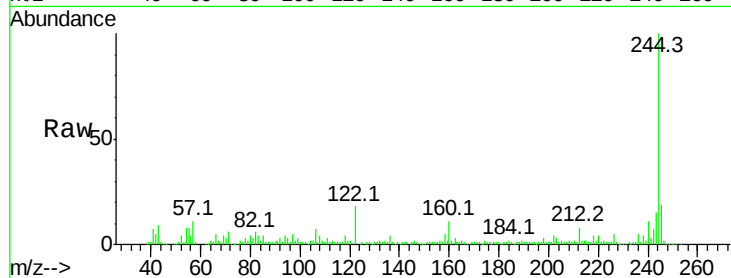
ClientSampleId :

NYSEG-CLARK-ST-ESMI-3

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	8.0	6.2	9.2	
122	17.7	12.0	18.0	

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 12.54 ng

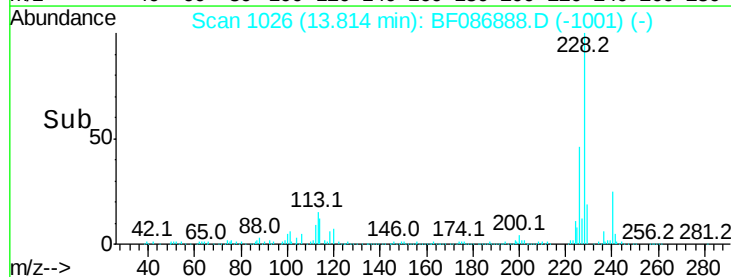
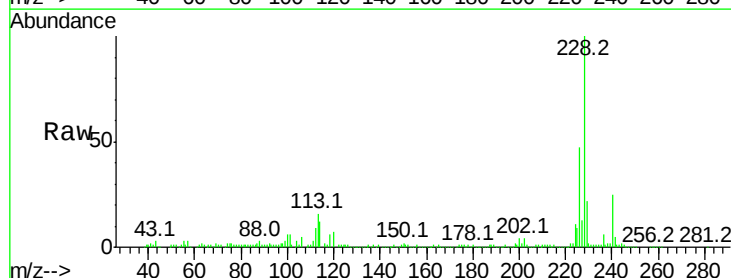
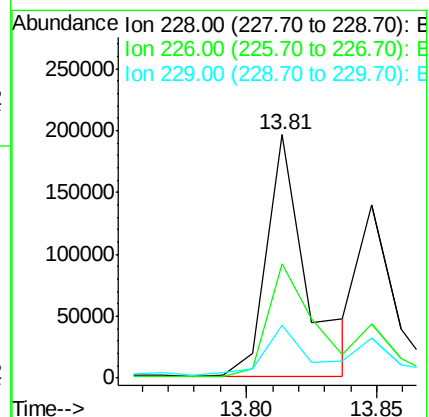
RT: 13.81 min Scan# 1026

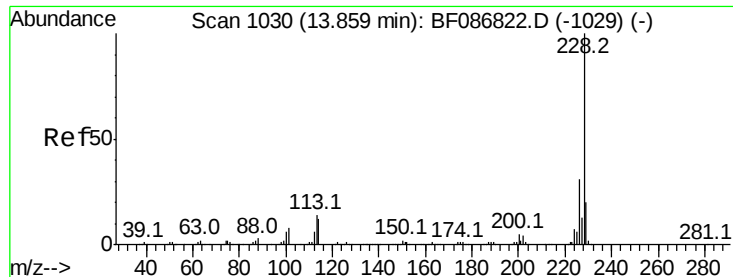
Delta R.T. -0.01 min

Lab File: BF086888.D

Acq: 11 May 2016 8:33

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	47.2	22.5	33.7#	
229	21.6	16.6	25.0	





#82

Chrysene

Concen: 7.53 ng/mL

RT: 13.85 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF086888.D

Acq: 11 May 2016 8:33

Instrument :

BNA_F

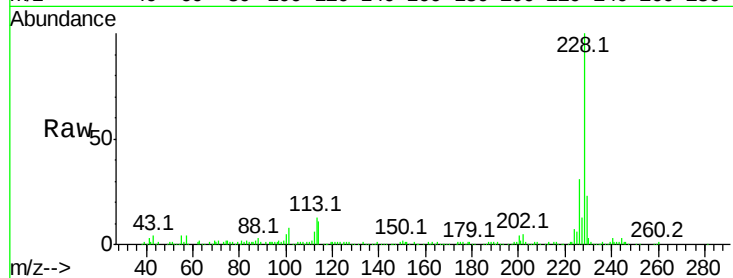
ClientSampleId :

NYSEG-CLARK-ST-ESMI-3

Tot Ion	Ratio	Resp	Lower	Upper
228	100	127090		
226	31.3	24.4	36.6	
229	22.9	15.8	23.8	

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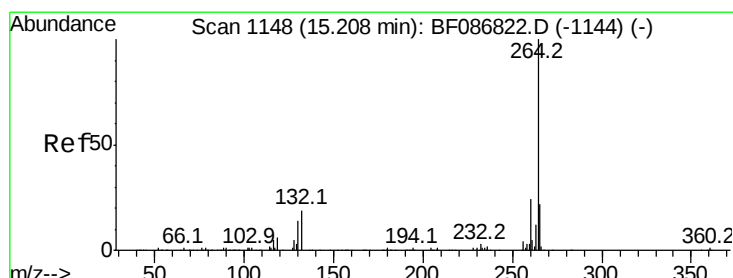
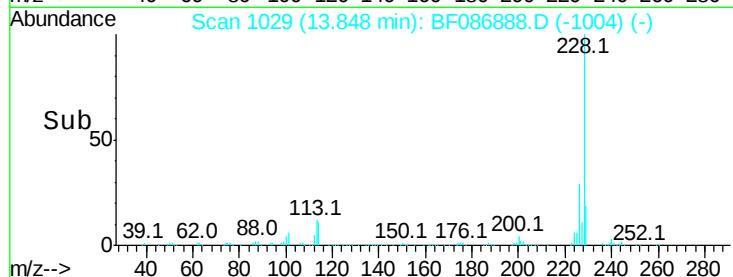
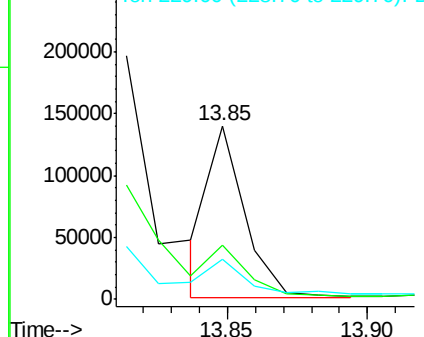


Abundance

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



#86

Perylene-d12

Concen: 20.00 ng/mL

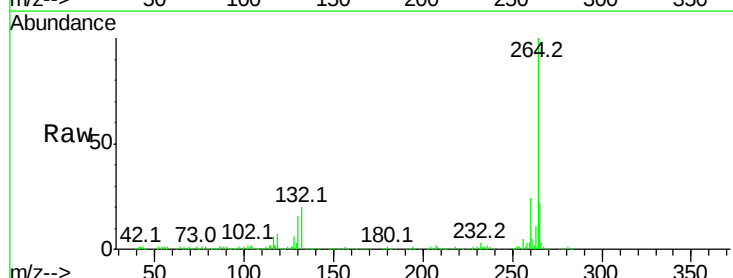
RT: 15.20 min Scan# 1147

Delta R.T. -0.01 min

Lab File: BF086888.D

Acq: 11 May 2016 8:33

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	258511		
260	24.4	19.5	29.3	
265	22.4	17.3	25.9	

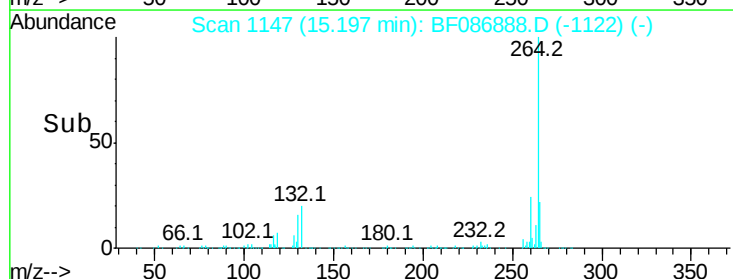
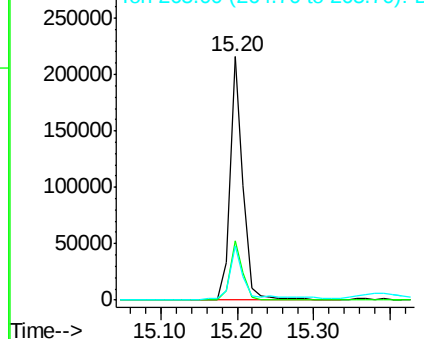


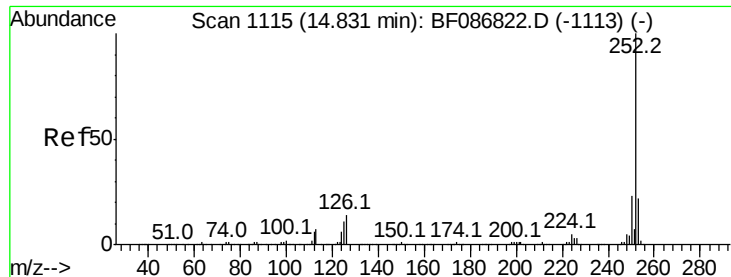
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





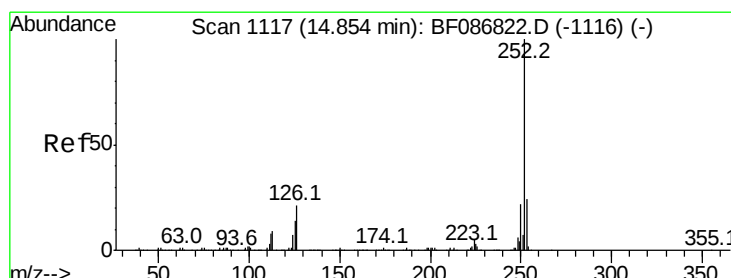
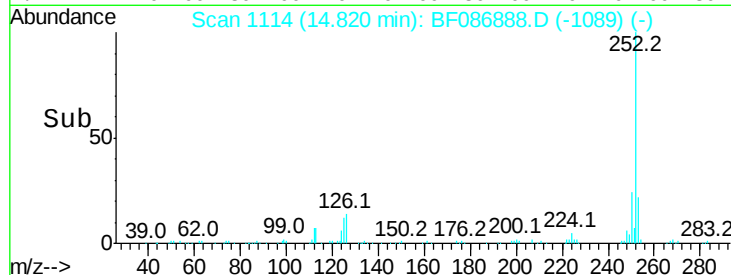
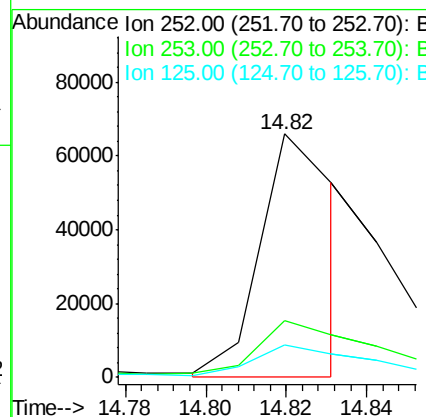
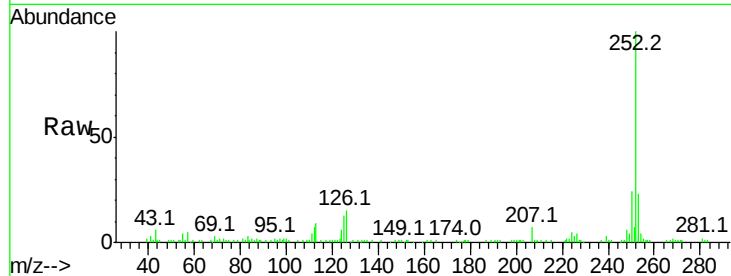
#87
Benzo(b)fluoranthene
Concen: 5.24 ng m
RT: 14.82 min Scan# 1114
Delta R.T. -0.01 min
Lab File: BF086888.D
Acq: 11 May 2016 8:33

Instrument :
BNA_F
ClientSampleId :
NYSEG-CLARK-ST-ESMI-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	13.4	11.4	17.0

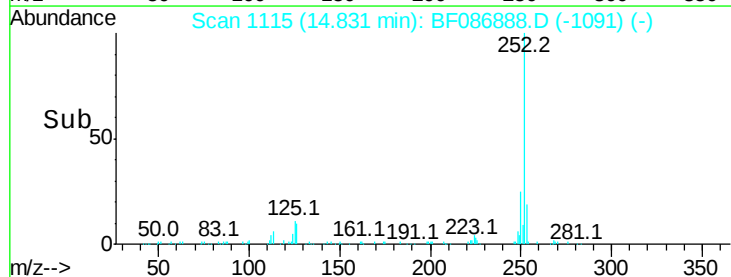
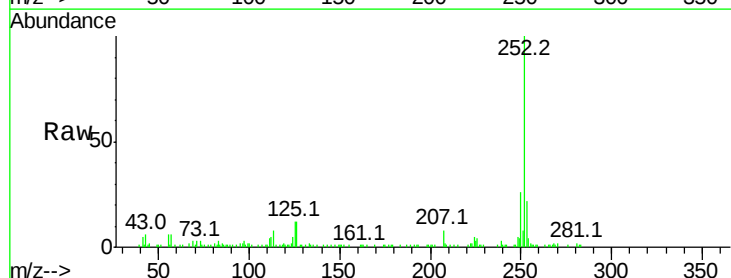
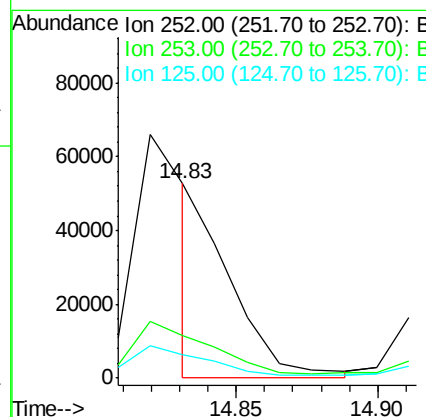
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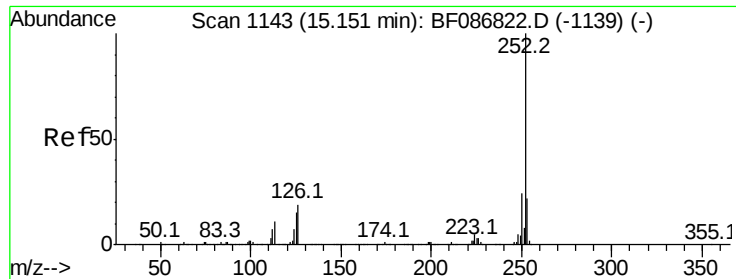
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#88
Benzo(k)fluoranthene
Concen: 3.04 ng m
RT: 14.83 min Scan# 1115
Delta R.T. -0.02 min
Lab File: BF086888.D
Acq: 11 May 2016 8:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.6
125	12.4	9.1	13.7





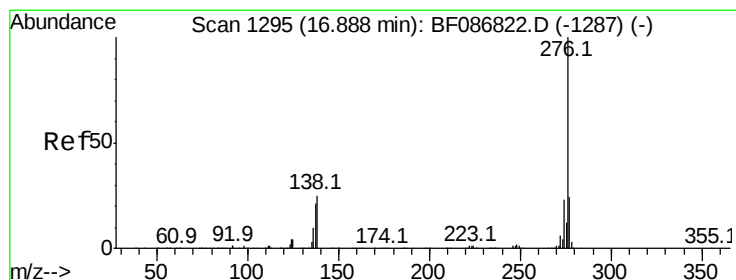
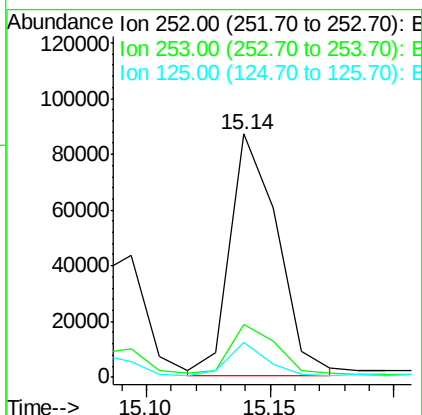
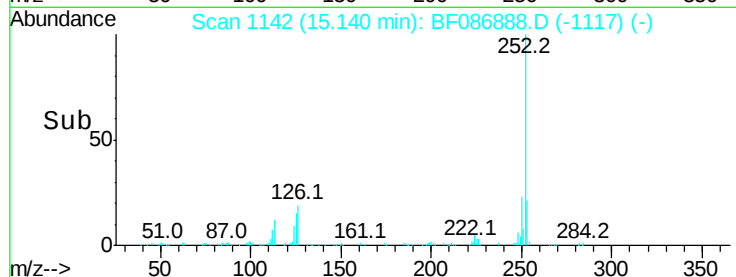
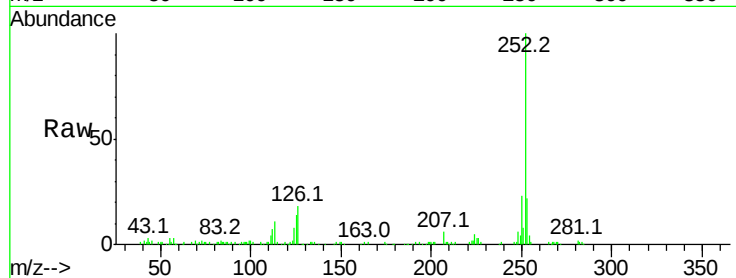
#89
Benzo(a)pyrene
Concen: 7.90 ng/ml
RT: 15.14 min Scan# 1142
Delta R.T. -0.01 min
Lab File: BF086888.D
Acq: 11 May 2016 8:33

Instrument :
BNA_F
ClientSampleId :
NYSEG-CLARK-ST-ESMI-3

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.0	17.2	25.8
125	14.3	9.0	13.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 3.01 ng/ml
RT: 16.87 min Scan# 1293
Delta R.T. -0.02 min
Lab File: BF086888.D
Acq: 11 May 2016 8:33

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	23.7	19.6	29.4
138	27.1	23.6	35.4

