

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090815\
 Data File : BF081536.D
 Acq On : 8 Sep 2015 22:26
 Operator : UM/IZ
 Sample : G3579-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-CLARKST-ESMI-2

Manual Integrations
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 9/9/2015 2:59:15 PM

Quant Time: Sep 09 07:02:13 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 08 23:43:58 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.34	152	46142	20.00	ng	0.00
21) Naphthalene-d8	7.64	136	169729	20.00	ng	0.00
38) Acenaphthene-d10	9.38	164	74126	20.00	ng	0.00
63) Phenanthrene-d10	10.86	188	113491	20.00	ng	0.01
75) Chrysene-d12	13.46	240	100493	20.00	ng	0.01
86) Perylene-d12	14.77	264	95286	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.90	112	466168	156.75	ng	0.02
7) Phenol-d6	6.02	99	588093	149.39	ng	0.00
23) Nitrobenzene-d5	6.92	82	342463	97.35	ng	0.00
41) 2,4,6-Tribromophenol	10.17	330	88952	134.77	ng	0.01
44) 2-Fluorobiphenyl	8.72	172	477981	82.63	ng	0.00
78) Terphenyl-d14	12.43	244	322752	74.76	ng	0.01
Target Compounds						Qvalue
31) Naphthalene	7.68	128	3092021	341.59	ng	95
37) 2-Methylnaphthalene	8.35	142	328697	55.80	ng	# 88
45) 1,1'-Biphenyl	8.82	154	591704	86.76	ng	95
48) Acenaphthylene	9.24	152	330194	37.79	ng	# 93
49) Dimethylphthalate	9.13	163	116988	20.31	ng	# 97
51) Acenaphthene	9.44	154	2133583	429.26	ng	90
54) Dibenzofuran	9.59	168	174626	24.06	ng	# 78
57) Fluorene	9.94	166	1175148m	213.37	ng	
70) Phenanthrene	10.91	178	4565925m	723.66	ng	
71) Anthracene	10.95	178	1029570m	158.83	ng	
74) Fluoranthene	12.07	202	1899013	278.03	ng	92
77) Pyrene	12.30	202	2494317	335.08	ng	95
80) Benzo(a)anthracene	13.45	228	791149	123.62	ng	# 53
82) Chrysene	13.49	228	508063m	88.56	ng	
83) Bis(2-ethylhexyl)phthalate	13.49	149	12720m	2.98	ng	
85) Indeno(1,2,3-cd)pyrene	15.84	276	273659	65.02	ng	# 80
87) Benzo(b)fluoranthene	14.45	252	600854m	88.32	ng	
88) Benzo(k)fluoranthene	14.46	252	187105m	33.15	ng	
89) Benzo(a)pyrene	14.73	252	682700	118.43	ng	# 87
90) Dibenzo(a,h)anthracene	15.84	278	52488m	11.78	ng	
91) Benzo(g,h,i)perylene	16.16	276	292082	68.70	ng	# 75

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

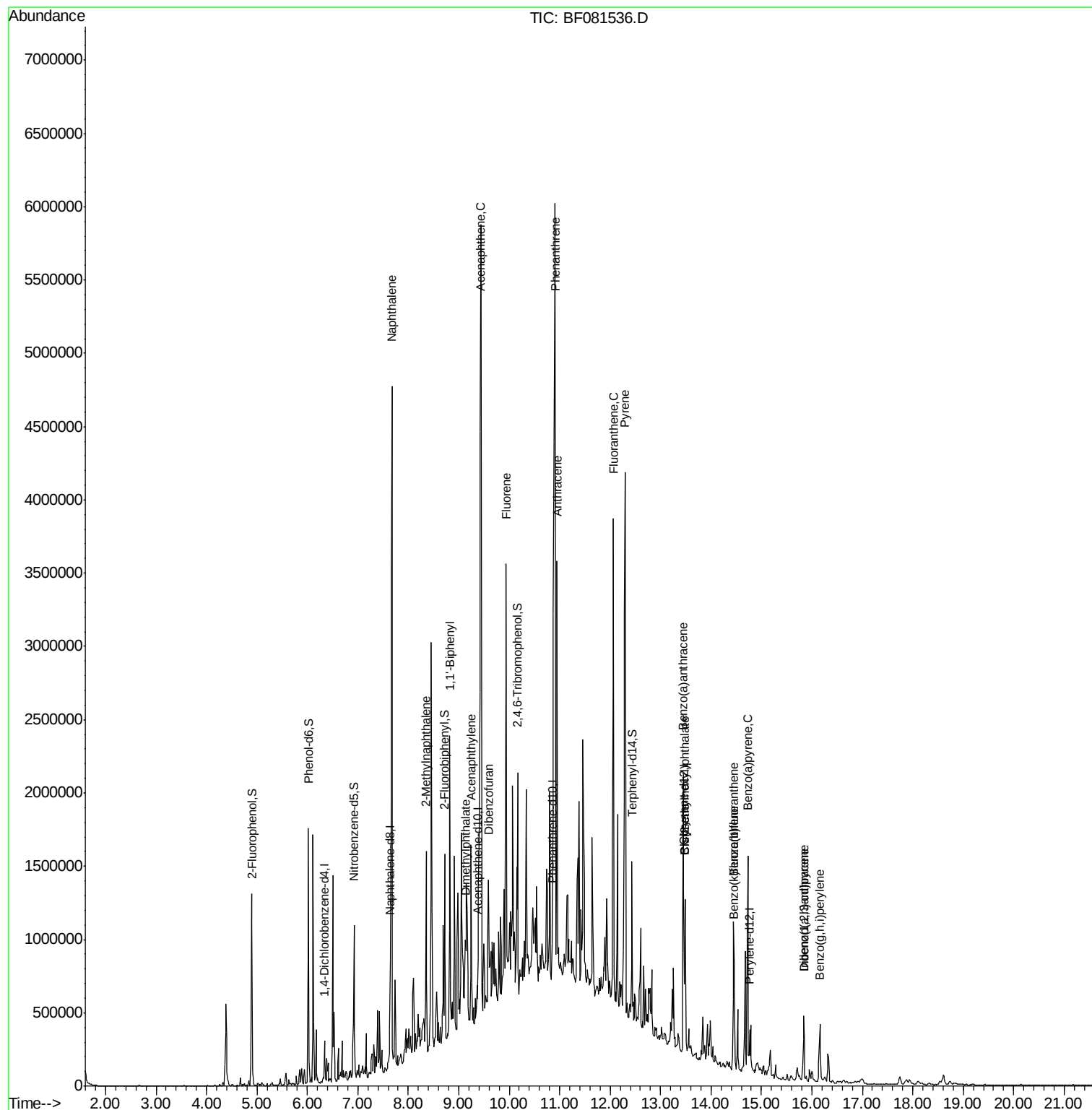
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090815\
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QLast Update : Tue Sep 08 23:43:58 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.00 min

Lab File: BF081536.D

Acq: 8 Sep 2015 22:26

Instrument :

BNA_F

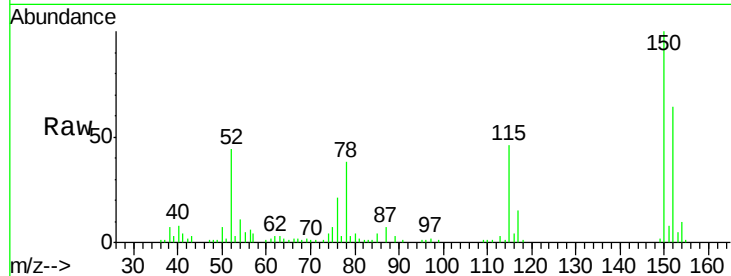
ClientSampleId :

NYSEG-CLARKST-ESMI-2

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Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.3	124.7	187.1
115	71.4	39.0	58.4#

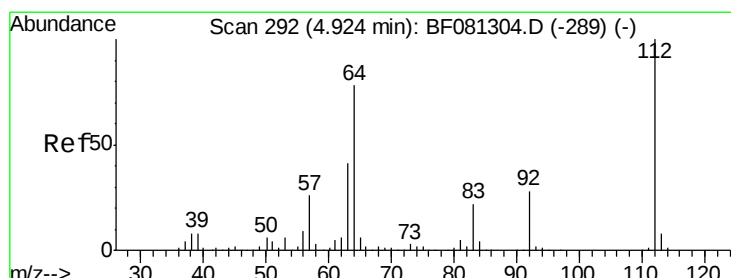
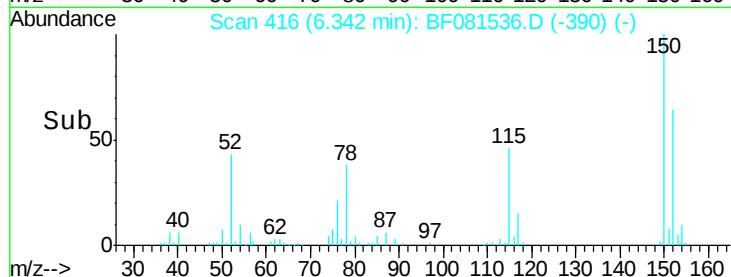
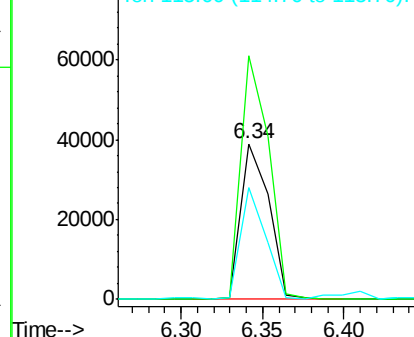


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 156.75 ng

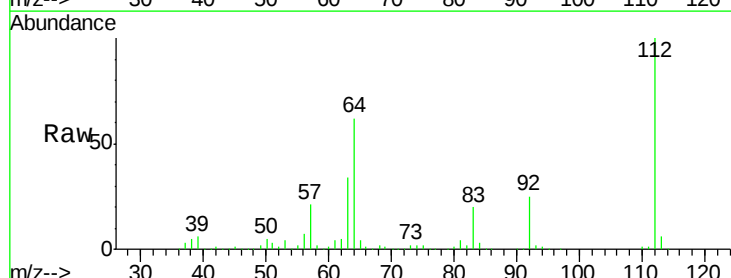
RT: 4.90 min Scan# 290

Delta R.T. 0.02 min

Lab File: BF081536.D

Acq: 8 Sep 2015 22:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.5	39.7	59.5#
63	34.0	17.4	26.0#

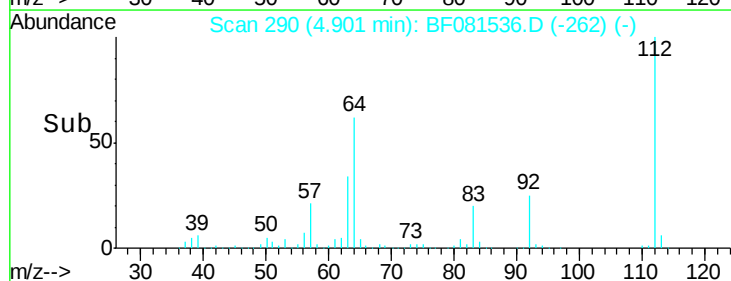
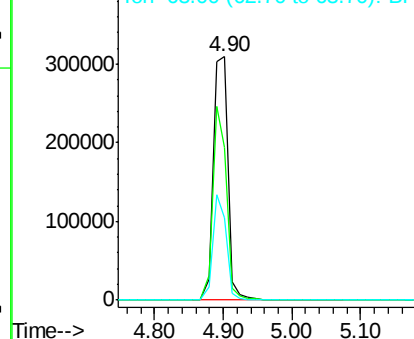


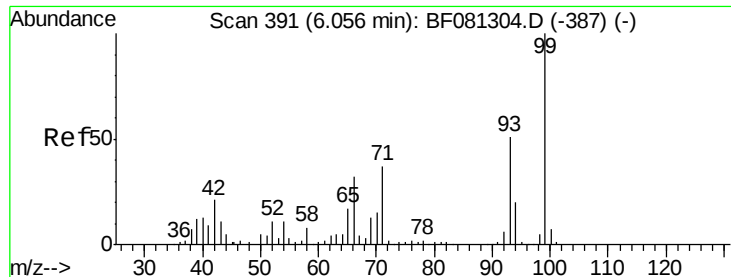
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 149.39 ng

RT: 6.02 min Scan# 388

Delta R.T. -0.00 min

Lab File: BF081536.D

Acq: 8 Sep 2015 22:26

Instrument :

BNA_F

ClientSampleId :

NYSEG-CLARKST-ESMI-2

Tgt Ion: 99 Resp: 588093

Ion Ratio Lower Upper

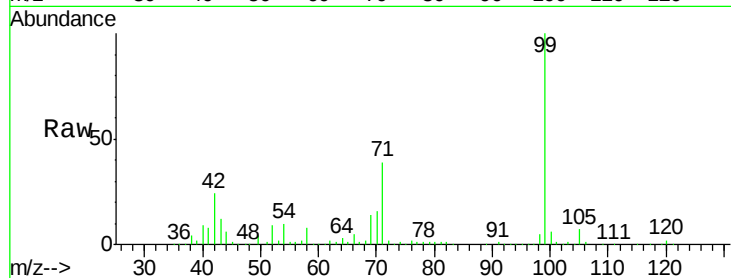
99 100

42 23.5 13.7 20.5#

71 38.7 14.2 21.2#

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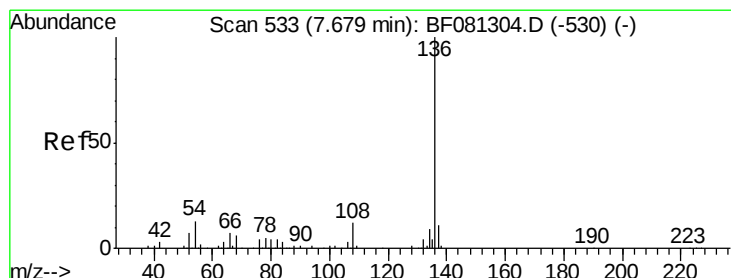
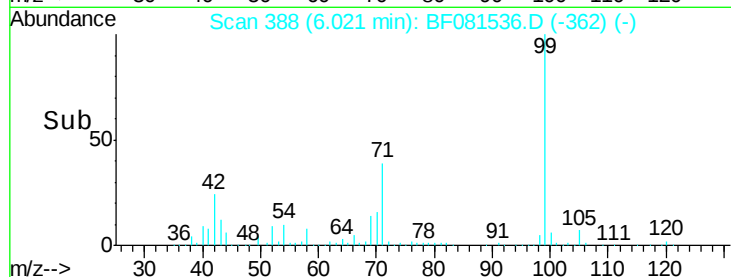
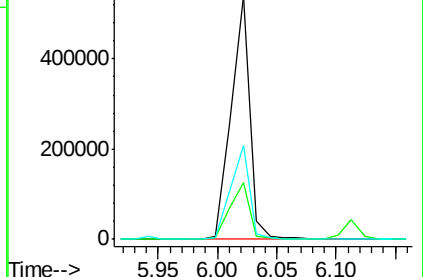
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.64 min Scan# 530

Delta R.T. -0.00 min

Lab File: BF081536.D

Acq: 8 Sep 2015 22:26

Tgt Ion: 136 Resp: 169729

Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.6

54 12.7 8.2 12.2#

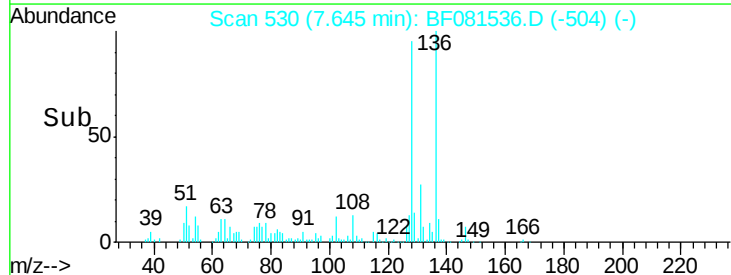
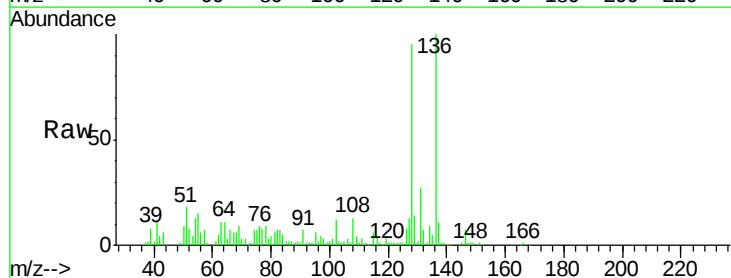
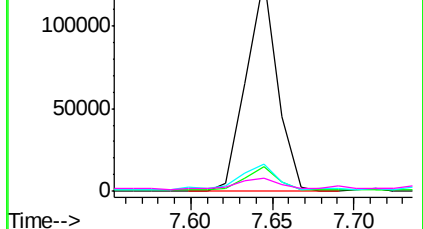
68 6.0 5.8 8.6

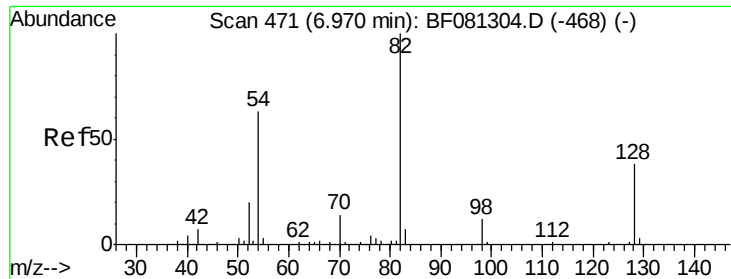
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





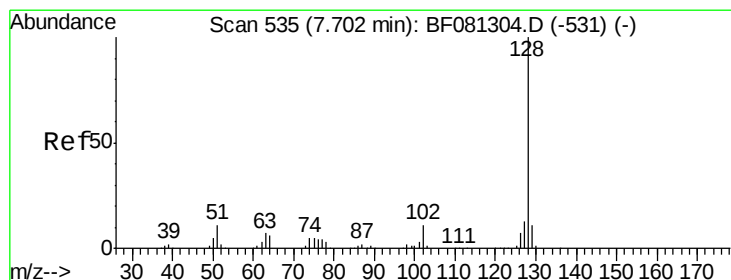
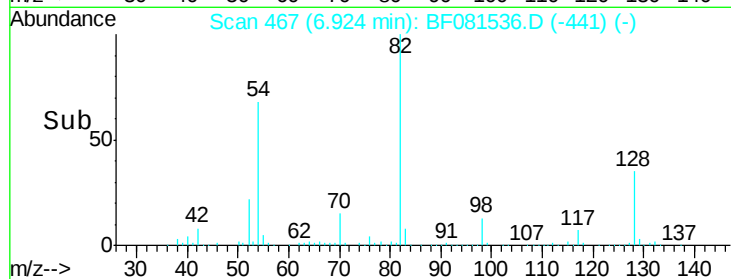
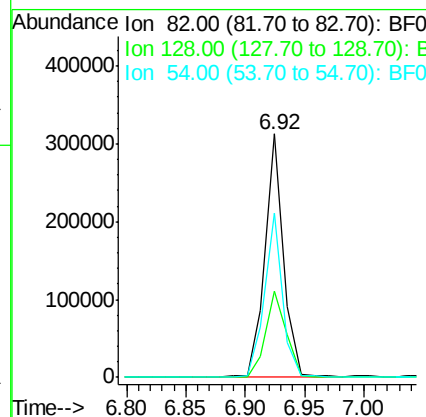
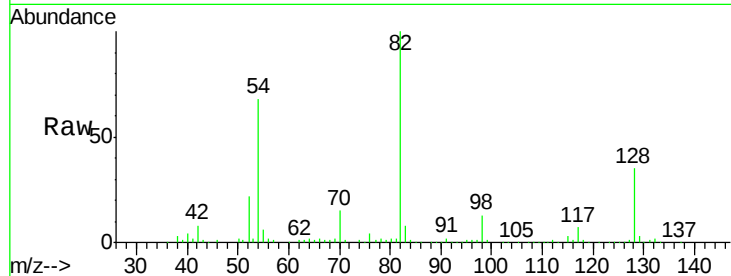
#23
 Nitrobenzene-d5
 Concen: 97.35 ng
 RT: 6.92 min Scan# 467
 Delta R.T. -0.00 min
 Lab File: BF081536.D
 Acq: 8 Sep 2015 22:26

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-CLARKST-ESMI-2

Tgt Ion	Ratio	Lower	Upper
82	100		
128	35.3	51.0	76.6#
54	67.6	47.5	71.3

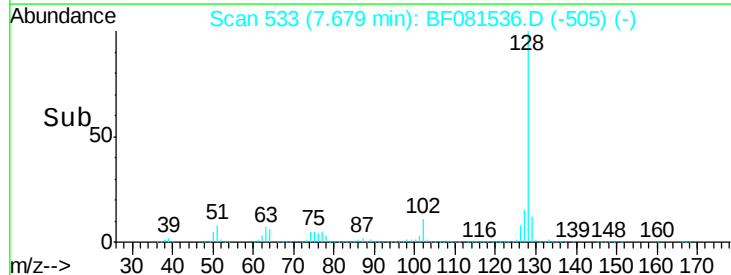
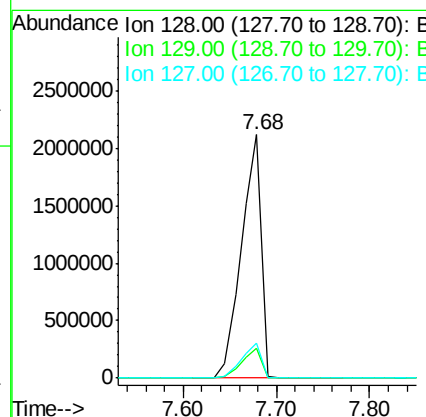
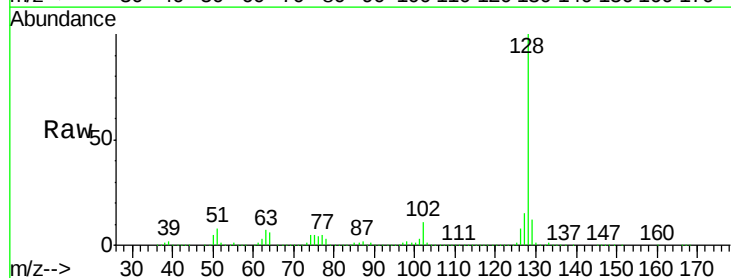
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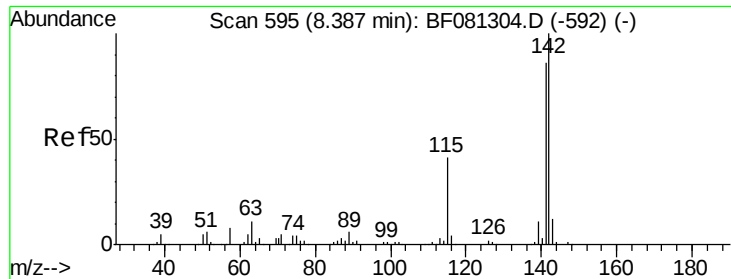
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#31
 Naphthalene
 Concen: 341.59 ng
 RT: 7.68 min Scan# 533
 Delta R.T. 0.02 min
 Lab File: BF081536.D
 Acq: 8 Sep 2015 22:26

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.3	8.4	12.6
127	14.5	9.9	14.9





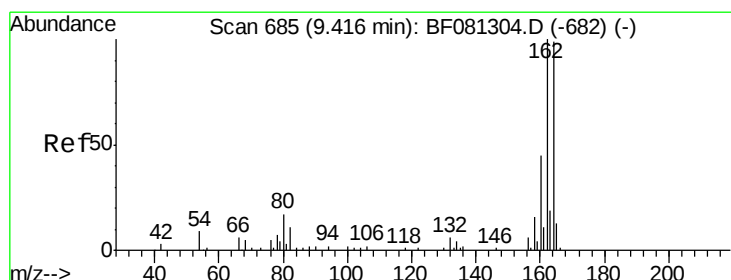
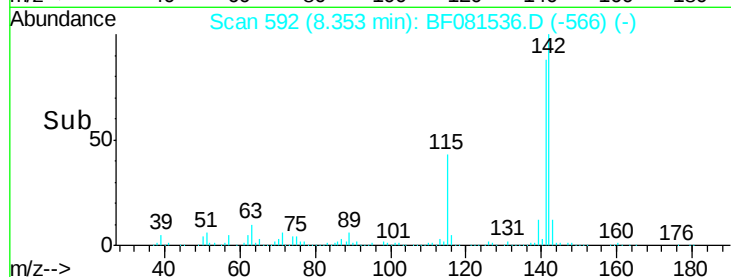
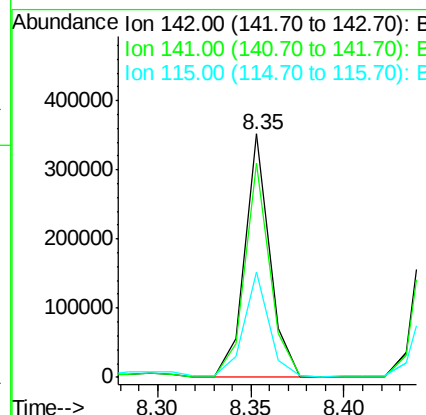
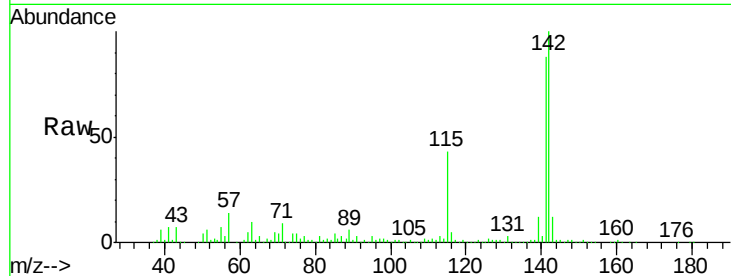
#37
 2-Methylnaphthalene
 Concen: 55.80 ng
 RT: 8.35 min Scan# 592
 Delta R.T. -0.00 min
 Lab File: BF081536.D
 Acq: 8 Sep 2015 22:26

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-CLARKST-ESMI-2

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	328697		
141	88.1	67.5	101.3	
115	43.1	18.2	27.2#	

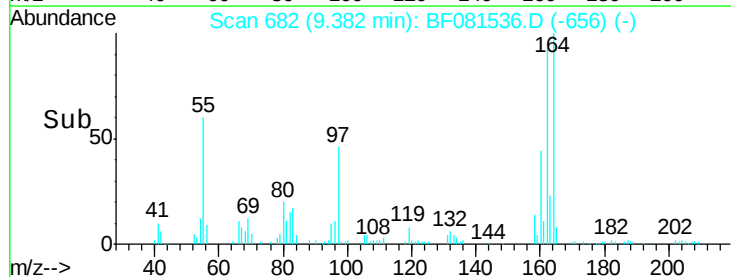
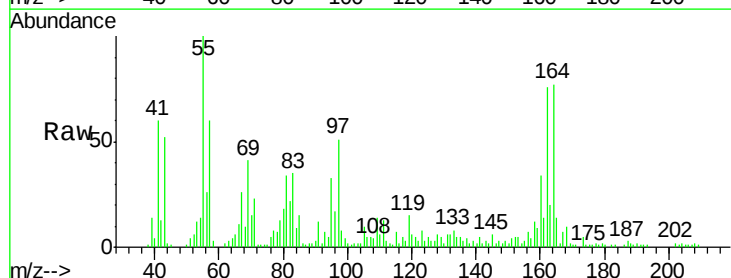
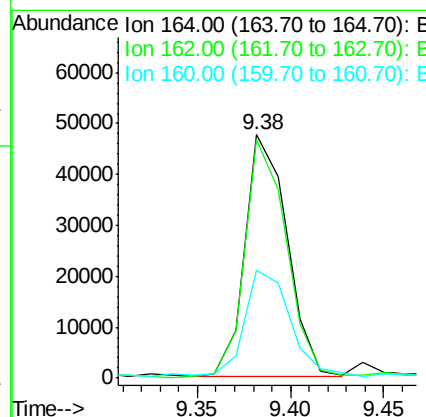
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.38 min Scan# 682
 Delta R.T. -0.00 min
 Lab File: BF081536.D
 Acq: 8 Sep 2015 22:26

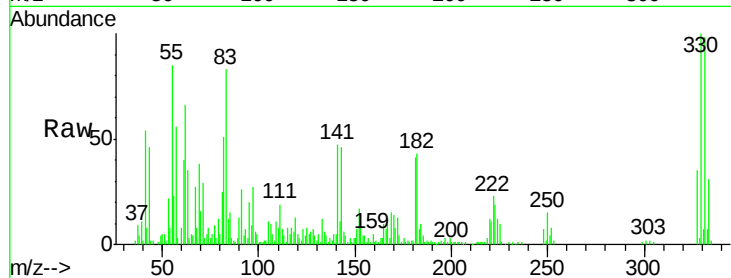
Tgt Ion	Ratio	Resp	Lower	Upper
164	100	74126		
162	98.0	75.2	112.8	
160	44.5	31.5	47.3	





#41
 2,4,6-Tribromophenol
 Concen: 134.77 ng
 RT: 10.17 min Scan# 751
 Delta R.T. 0.01 min
 Lab File: BF081536.D
 Acq: 8 Sep 2015 22:26

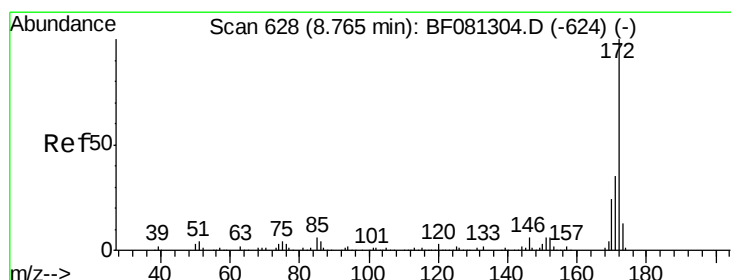
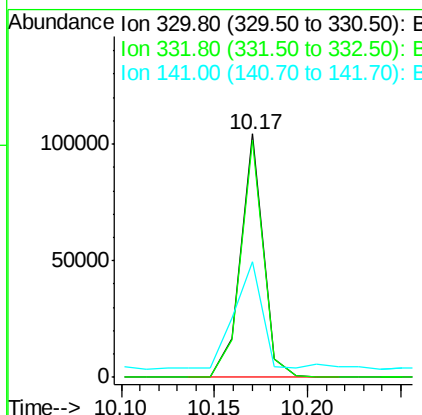
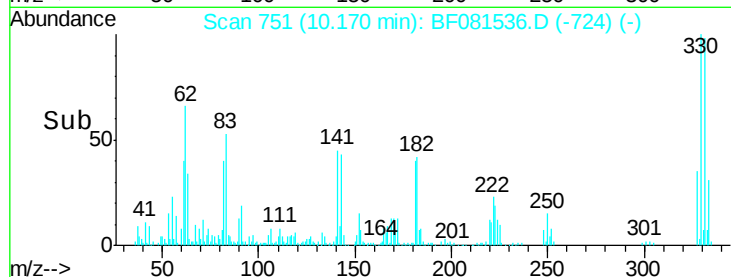
Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-CLARKST-ESMI-2



Tgt Ion	Ratio	Resp	Lower	Upper
330	100	88952		
332	97.4	76.6	114.8	
141	53.4	29.7	44.5#	

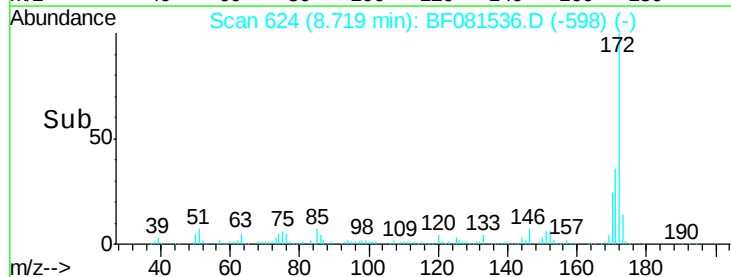
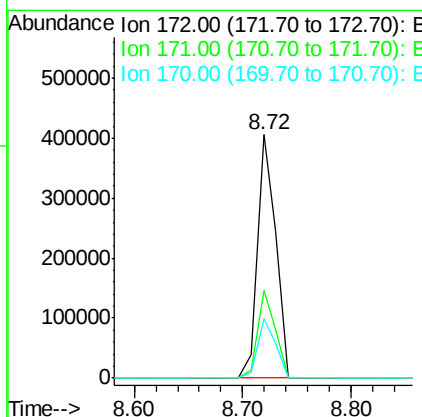
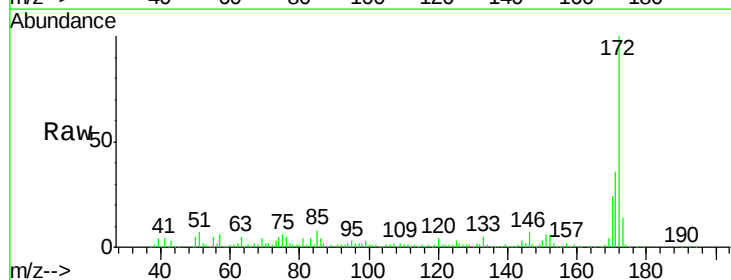
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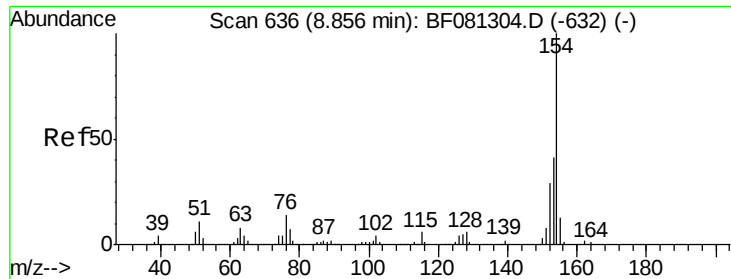
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#44
 2-Fluorobiphenyl
 Concen: 82.63 ng
 RT: 8.72 min Scan# 624
 Delta R.T. -0.00 min
 Lab File: BF081536.D
 Acq: 8 Sep 2015 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	477981		
171	35.9	26.1	39.1	
170	24.2	17.4	26.2	





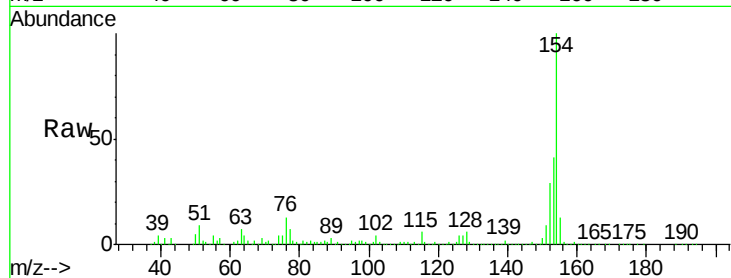
#45
1,1'-Biphenyl
Concen: 86.76 ng
RT: 8.82 min Scan# 633
Delta R.T. -0.00 min
Lab File: BF081536.D
Acq: 8 Sep 2015 22:26

Instrument :
BNA_F
ClientSampleId :
NYSEG-CLARKST-ESMI-2

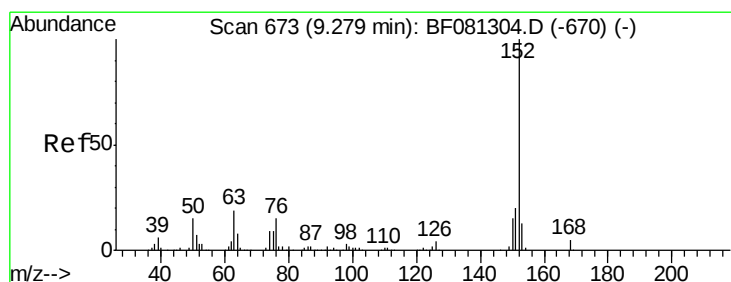
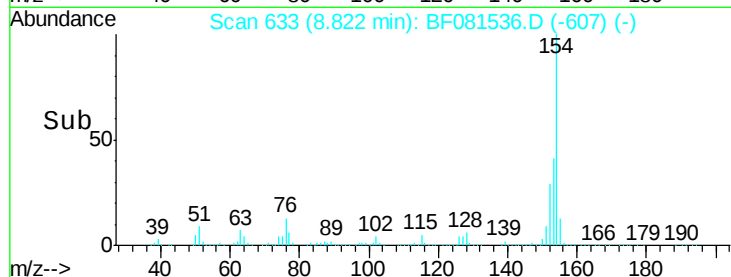
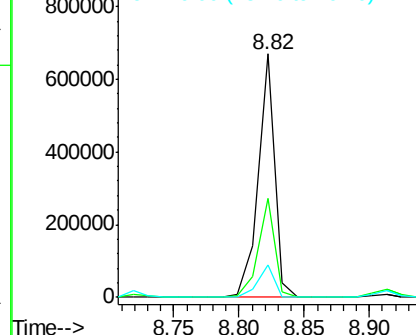
Tgt Ion	Ratio	Resp	Lower	Upper
154	100	591704		
153	40.6	17.1	57.1	
76	13.1	0.0	31.6	

Manual Integrations
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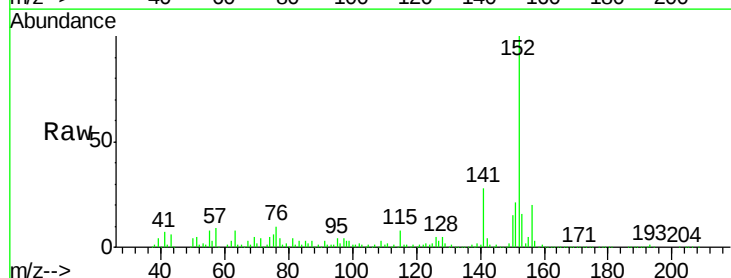


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): E

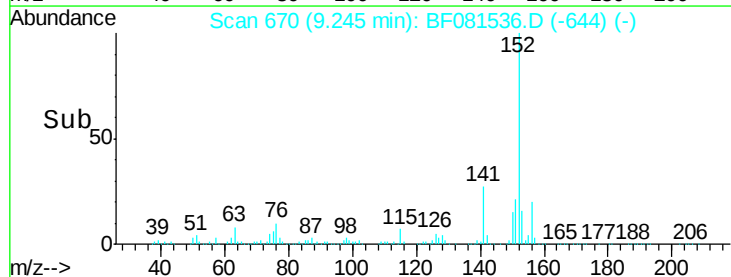
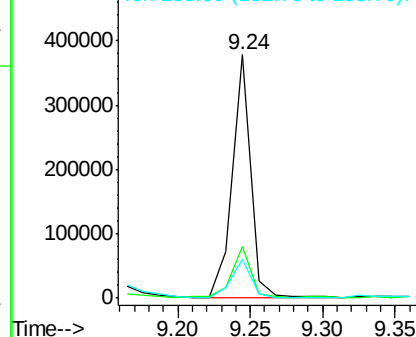


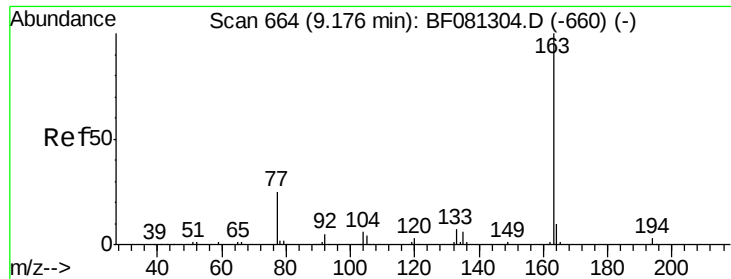
#48
Acenaphthylene
Concen: 37.79 ng
RT: 9.24 min Scan# 670
Delta R.T. -0.00 min
Lab File: BF081536.D
Acq: 8 Sep 2015 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	330194		
151	21.0	14.6	22.0	
153	16.1	10.3	15.5#	



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





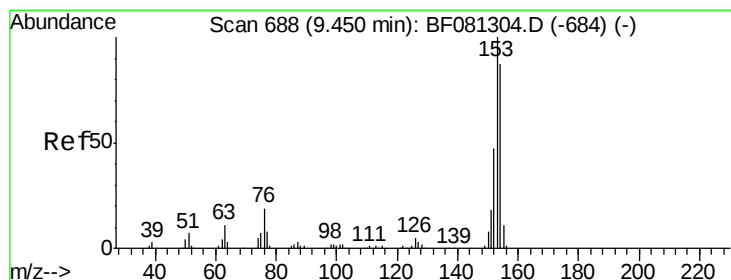
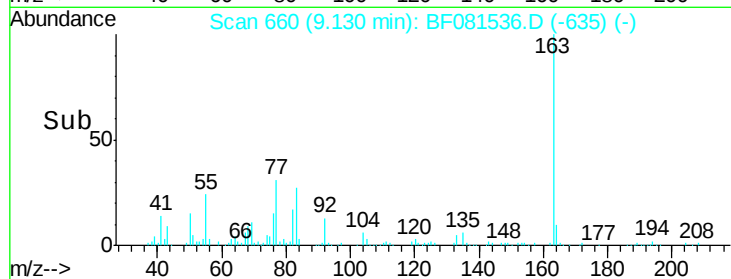
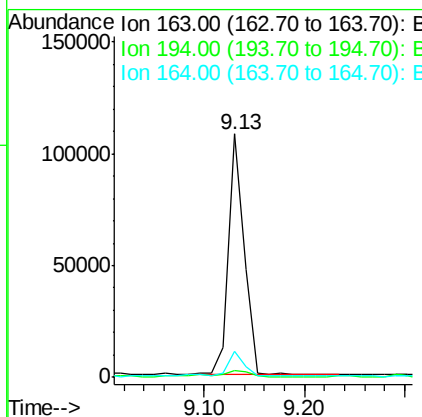
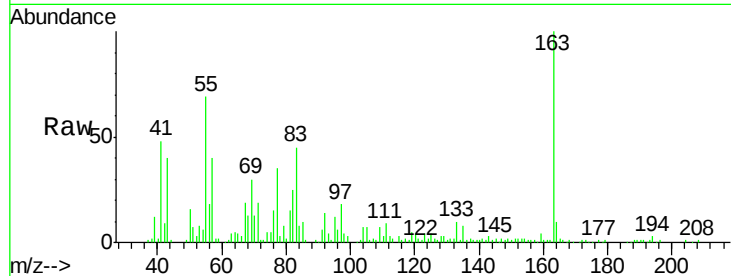
#49
Dimethylphthalate
Concen: 20.31 ng
RT: 9.13 min Scan# 660
Delta R.T. -0.01 min
Lab File: BF081536.D
Acq: 8 Sep 2015 22:26

Instrument :
BNA_F
ClientSampleId :
NYSEG-CLARKST-ESMI-2

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	116988		
194	3.0	4.4	6.6#	
164	10.5	8.3	12.5	

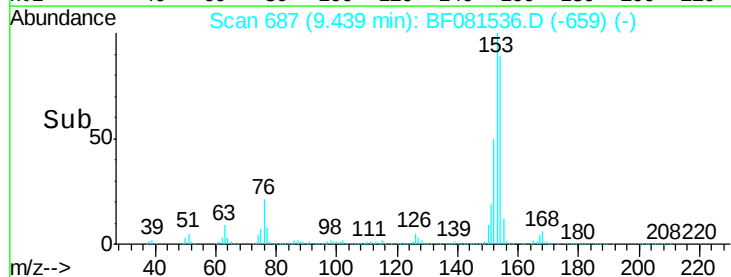
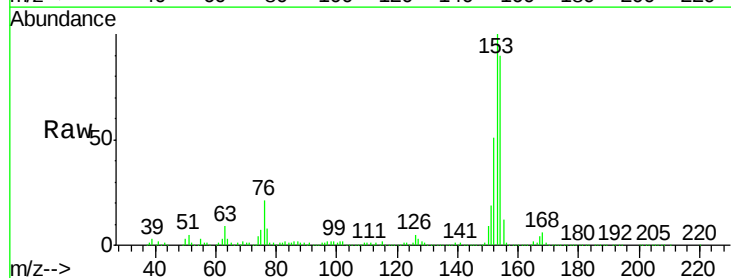
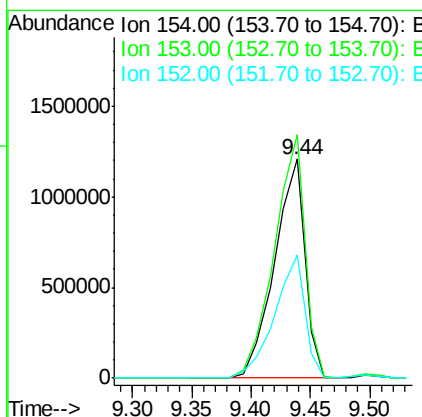
Manual Integrations
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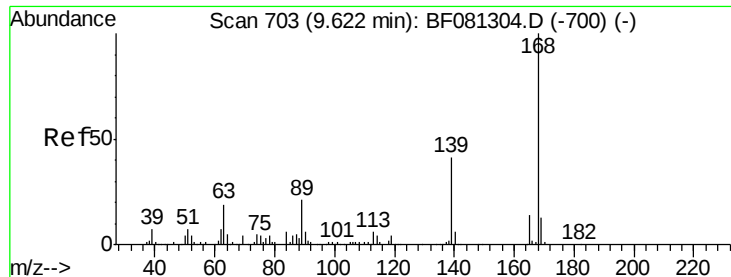
MMDadoda
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#51
Acenaphthene
Concen: 429.26 ng
RT: 9.44 min Scan# 687
Delta R.T. 0.02 min
Lab File: BF081536.D
Acq: 8 Sep 2015 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	2133583		
153	111.1	82.1	123.1	
152	56.4	37.9	56.9	





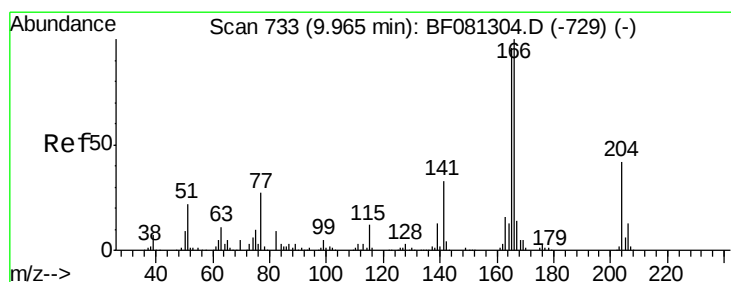
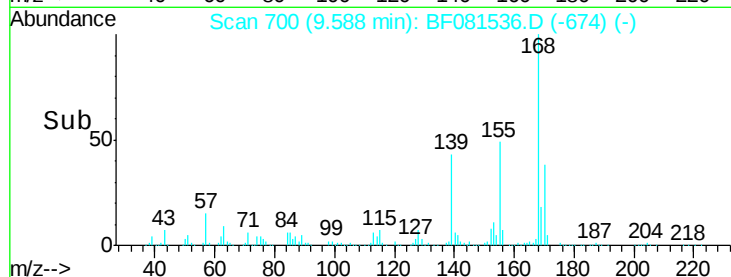
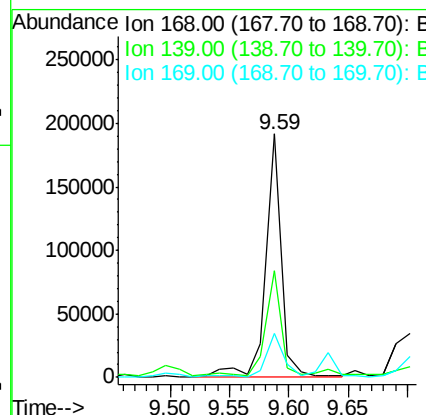
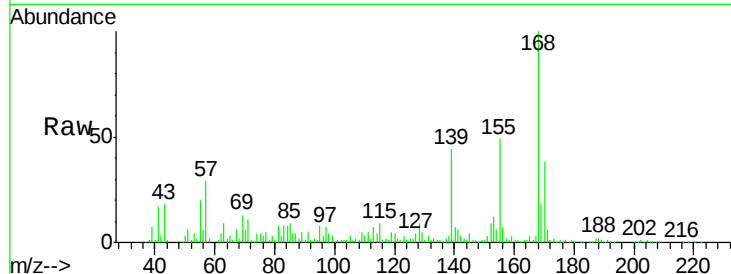
#54
Dibenzenofuran
Concen: 24.06 ng
RT: 9.59 min Scan# 700
Delta R.T. -0.00 min
Lab File: BF081536.D
Acq: 8 Sep 2015 22:26

Instrument :
BNA_F
ClientSampleId :
NYSEG-CLARKST-ESMI-2

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	174626		
139	44.0	24.2	36.2#	
169	18.3	10.6	15.8#	

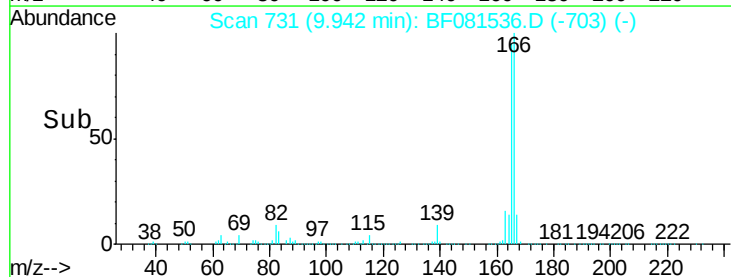
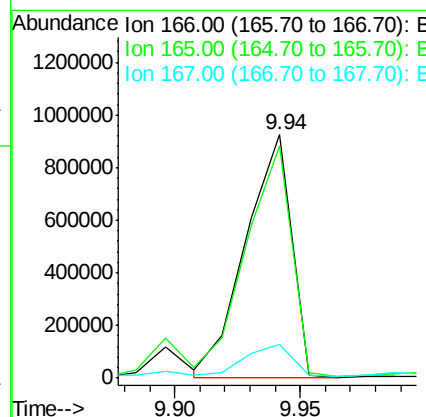
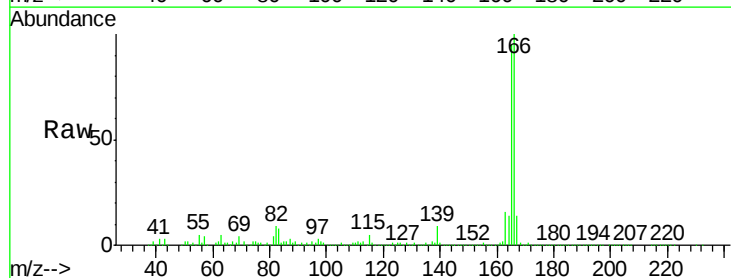
Manual Integrations
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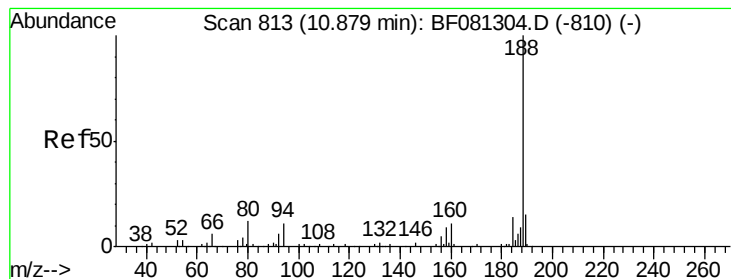
MMDadoda
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#57
Fluorene
Concen: 213.37 ng m
RT: 9.94 min Scan# 731
Delta R.T. 0.02 min
Lab File: BF081536.D
Acq: 8 Sep 2015 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	1175148		
165	95.3	72.6	109.0	
167	14.0	10.6	16.0	





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 10.86 min Scan# 811

Delta R.T. 0.01 min

Lab File: BF081536.D

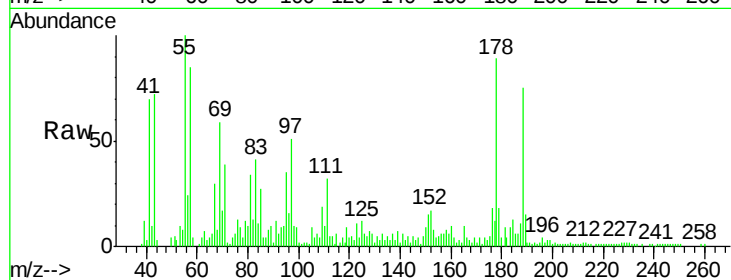
Acq: 8 Sep 2015 22:26

Instrument :

BNA_F

ClientSampleId :

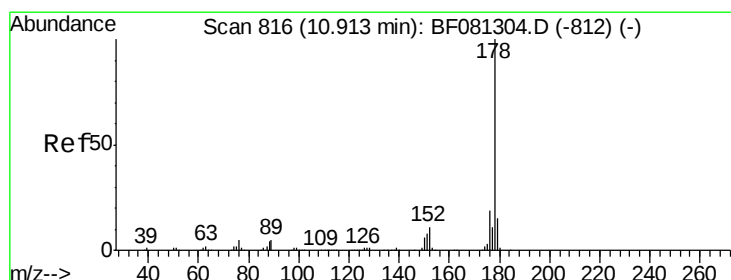
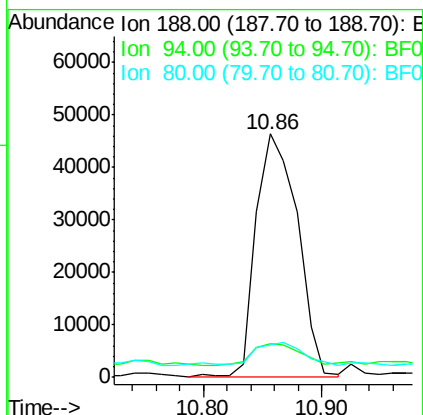
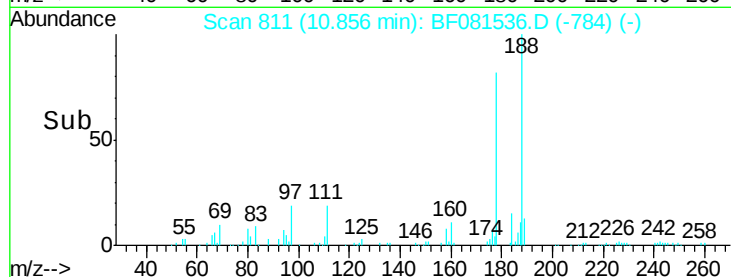
NYSEG-CLARKST-ESMI-2



Tgt Ion	Ratio	Lower	Upper
188	100		
94	13.7	11.1	16.7
80	13.6	11.0	16.4

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#70

Phenanthrene

Concen: 723.66 ng m

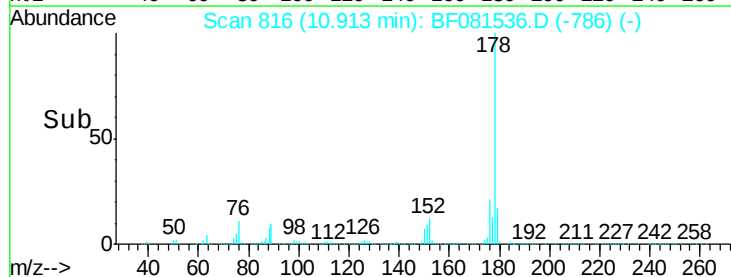
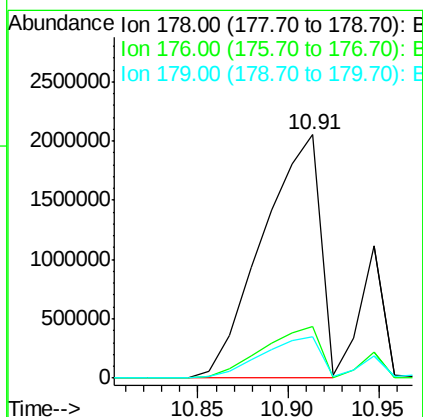
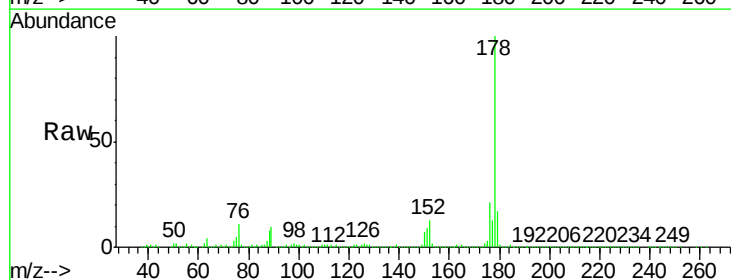
RT: 10.91 min Scan# 816

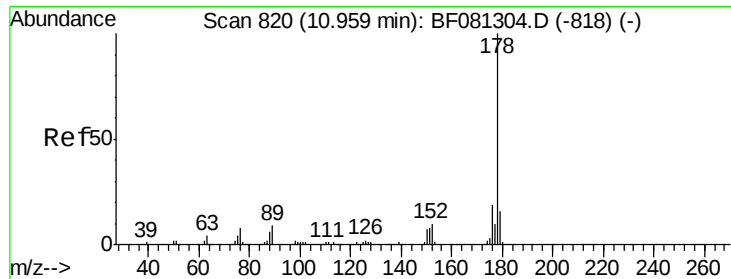
Delta R.T. 0.05 min

Lab File: BF081536.D

Acq: 8 Sep 2015 22:26

Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.3	13.8	20.8#
179	17.2	12.2	18.2





#71

Anthracene

Concen: 158.83 ng m

RT: 10.95 min Scan# 819

Delta R.T. 0.03 min

Lab File: BF081536.D

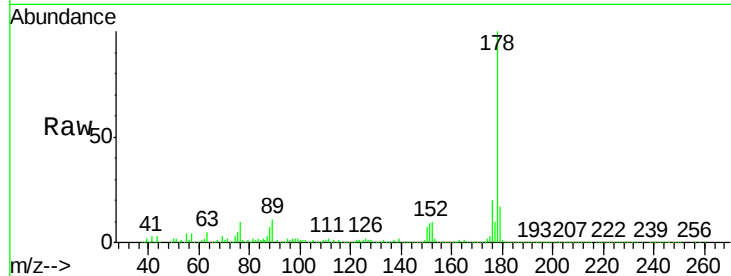
Acq: 8 Sep 2015 22:26

Instrument :

BNA_F

ClientSampleId :

NYSEG-CLARKST-ESMI-2



Tgt Ion:178 Resp: 1029570

Ion Ratio Lower Upper

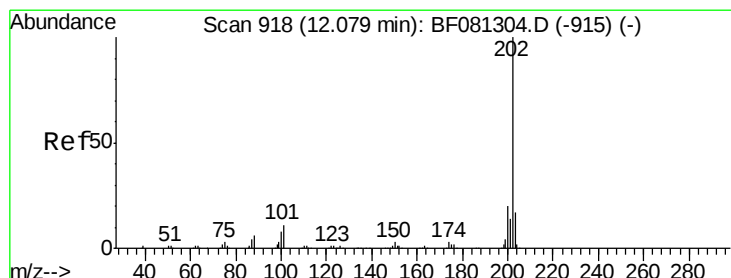
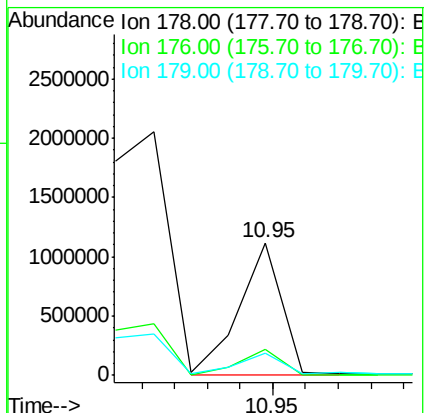
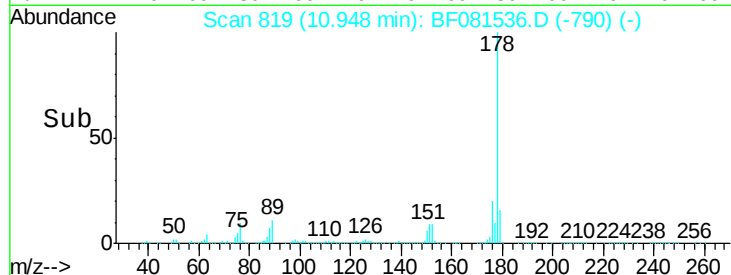
178 100

176 19.8 14.1 21.1

179 16.8 12.2 18.2

Manual Integrations
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#74

Fluoranthene

Concen: 278.03 ng

RT: 12.07 min Scan# 917

Delta R.T. 0.03 min

Lab File: BF081536.D

Acq: 8 Sep 2015 22:26

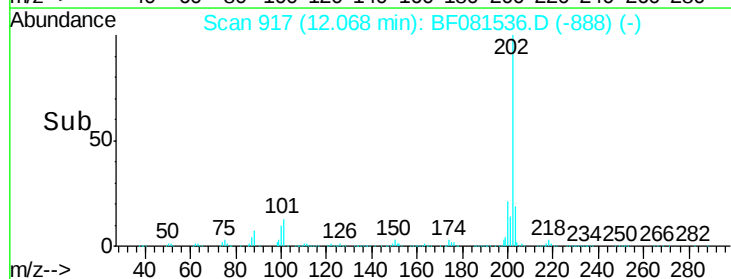
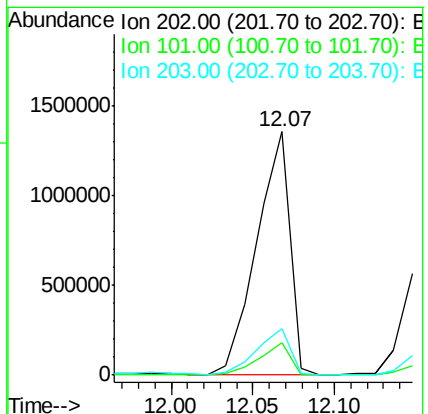
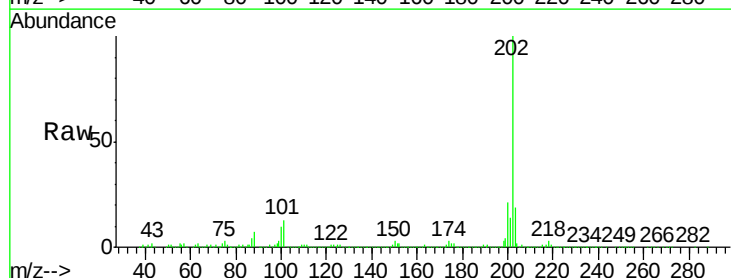
Tgt Ion:202 Resp: 1899013

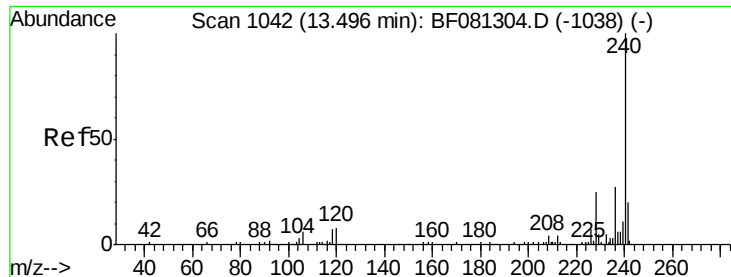
Ion Ratio Lower Upper

202 100

101 13.2 0.0 38.3

203 19.2 0.0 37.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.46 min Scan# 1039

Delta R.T. 0.01 min

Lab File: BF081536.D

Acq: 8 Sep 2015 22:26

Instrument :

BNA_F

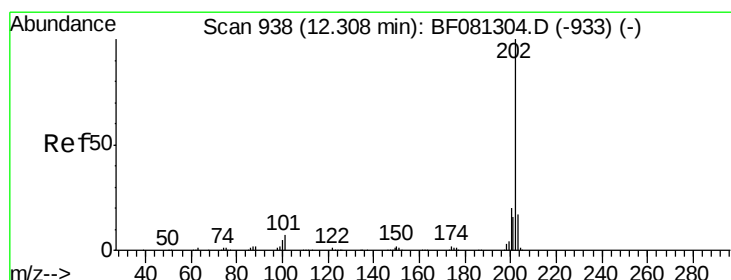
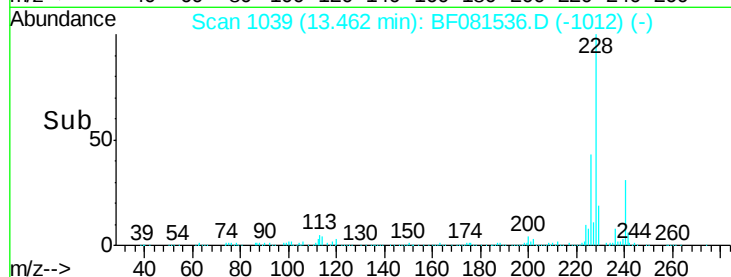
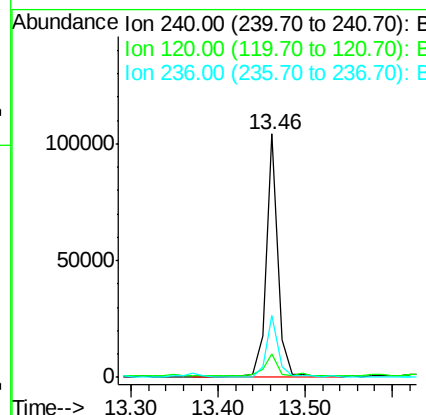
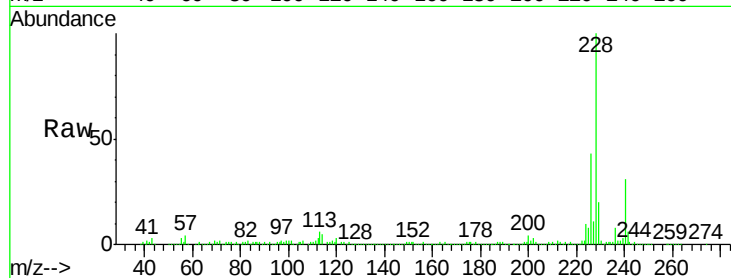
ClientSampleId :

NYSEG-CLARKST-ESMI-2

Tgt Ion:	240	Resp:	100493
Ion Ratio		Lower	Upper
240	100		
120	9.7	16.2	24.2#
236	25.4	18.4	27.6

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#77

Pyrene

Concen: 335.08 ng

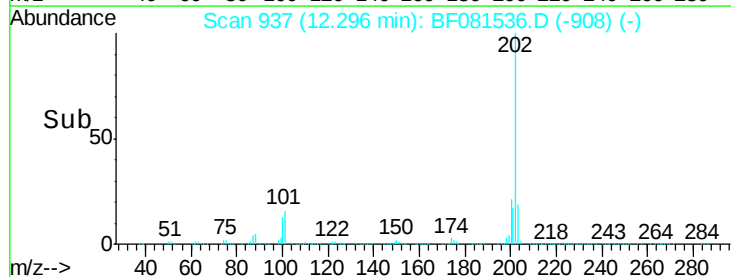
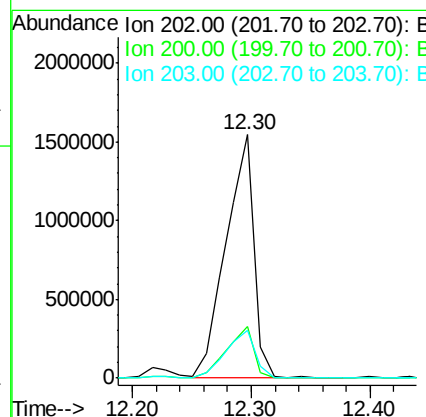
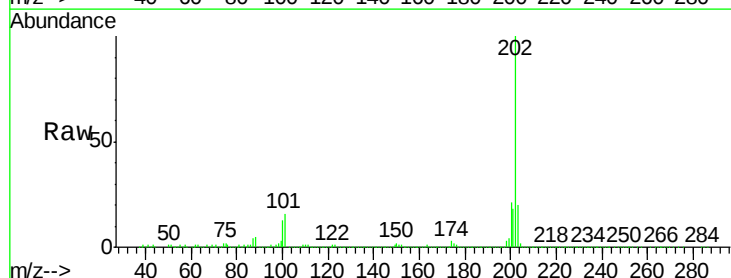
RT: 12.30 min Scan# 937

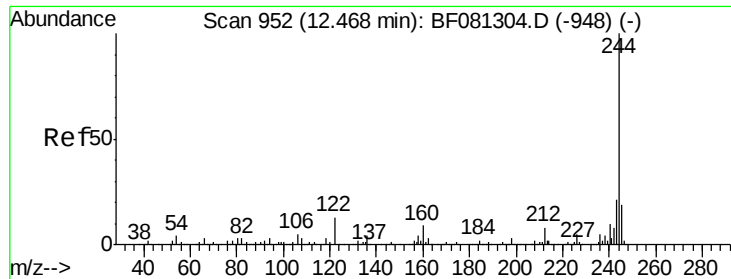
Delta R.T. 0.03 min

Lab File: BF081536.D

Acq: 8 Sep 2015 22:26

Tgt Ion:	202	Resp:	2494317
Ion Ratio		Lower	Upper
202	100		
200	21.2	15.0	22.4
203	19.6	14.1	21.1





#78

Terphenyl-d14

Concen: 74.76 ng

RT: 12.43 min Scan# 949

Delta R.T. 0.01 min

Lab File: BF081536.D

Acq: 8 Sep 2015 22:26

Instrument :

BNA_F

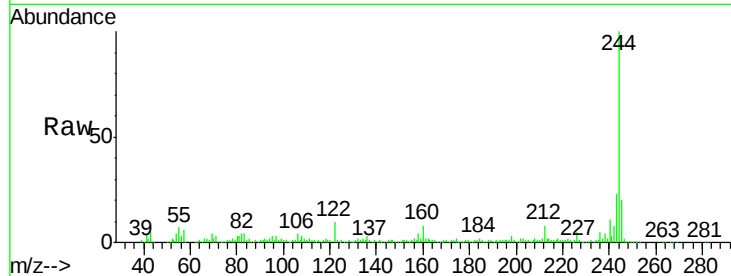
ClientSampleId :

NYSEG-CLARKST-ESMI-2

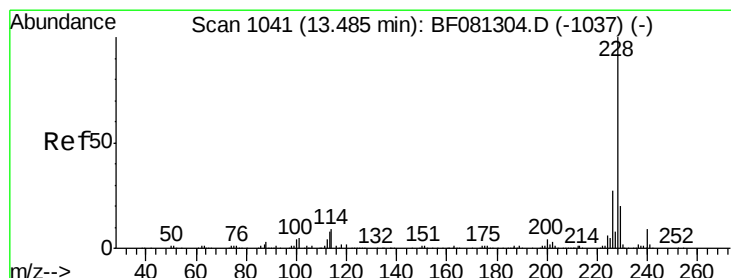
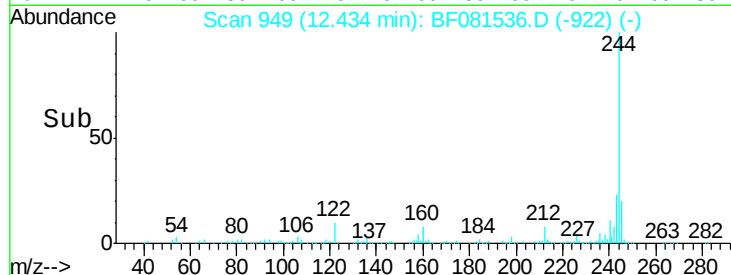
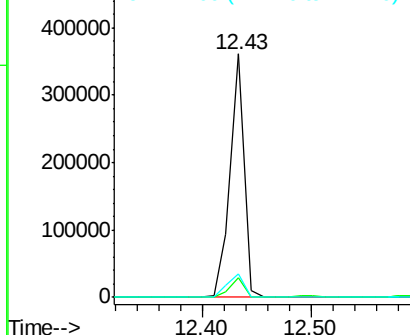
Tgt Ion:	244	Resp:	322752
Ion Ratio		Lower	Upper
244	100		
212	7.9	4.3	6.5#
122	9.8	17.4	26.2#

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 123.62 ng

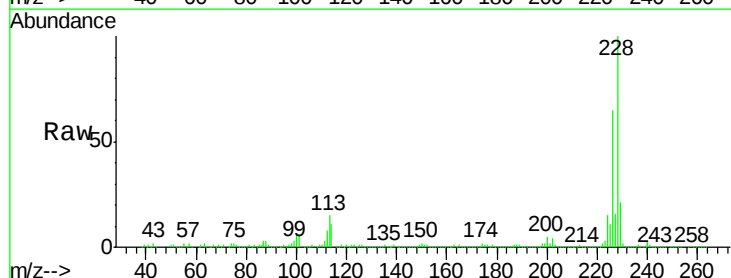
RT: 13.45 min Scan# 1038

Delta R.T. 0.01 min

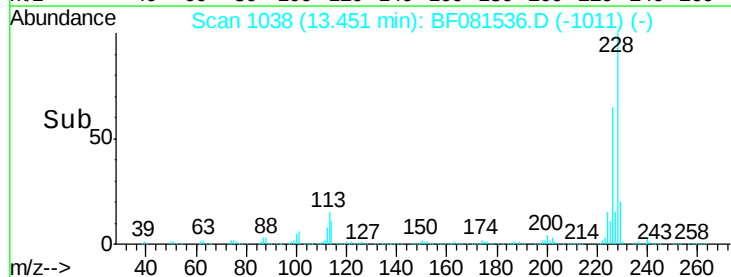
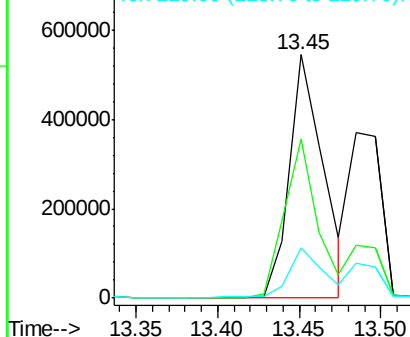
Lab File: BF081536.D

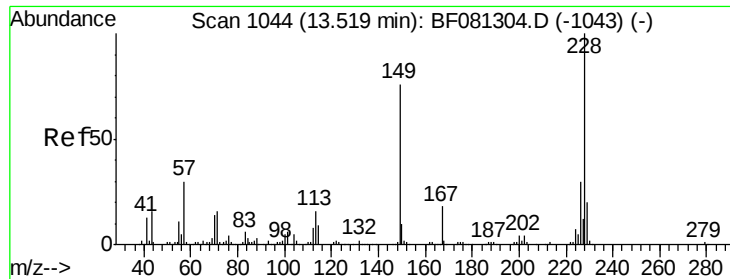
Acq: 8 Sep 2015 22:26

Tgt Ion:	228	Resp:	791149
Ion Ratio		Lower	Upper
228	100		
226	65.4	20.0	30.0#
229	20.9	15.4	23.2



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





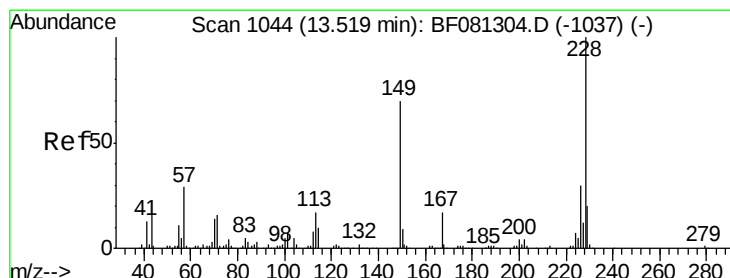
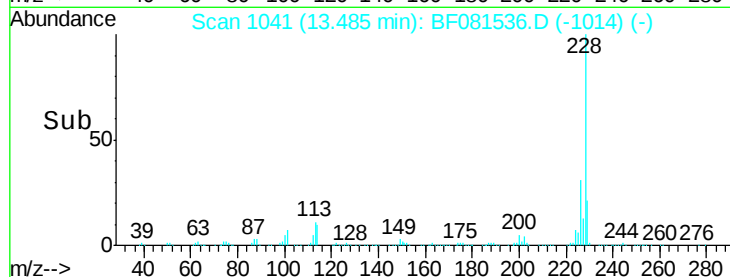
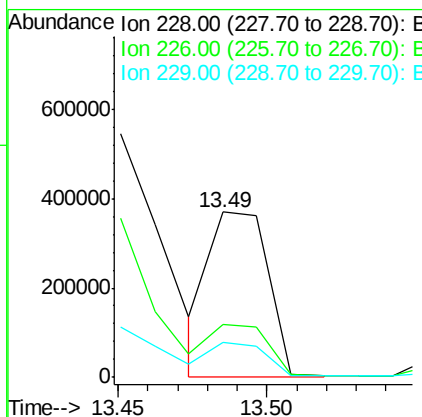
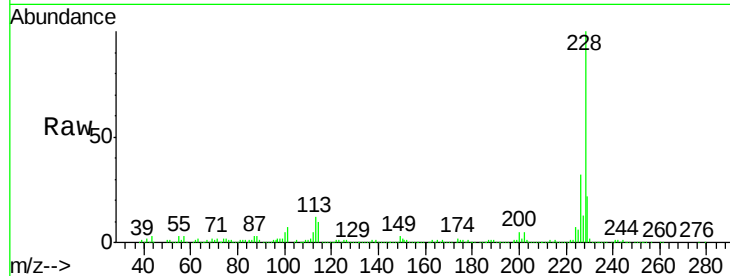
#82
Chrysene
Concen: 88.56 ng m
RT: 13.49 min Scan# 1041
Delta R.T. 0.01 min
Lab File: BF081536.D
Acq: 8 Sep 2015 22:26

Instrument :
BNA_F
ClientSampleId :
NYSEG-CLARKST-ESMI-2

Tgt Ion: 228 Resp: 508063
Ion Ratio Lower Upper
228 100
226 31.9 21.0 31.4#
229 21.5 15.6 23.4

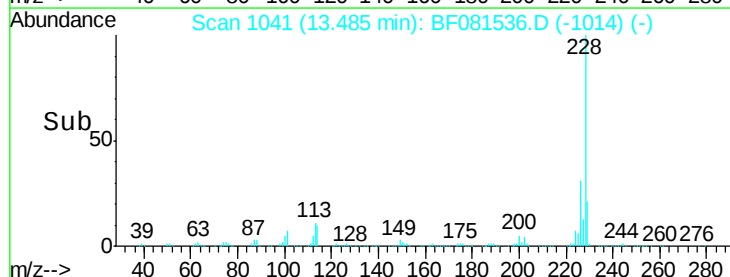
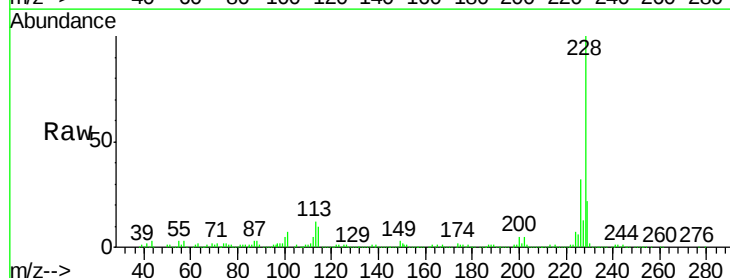
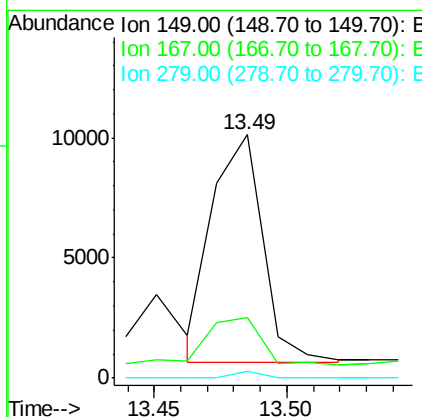
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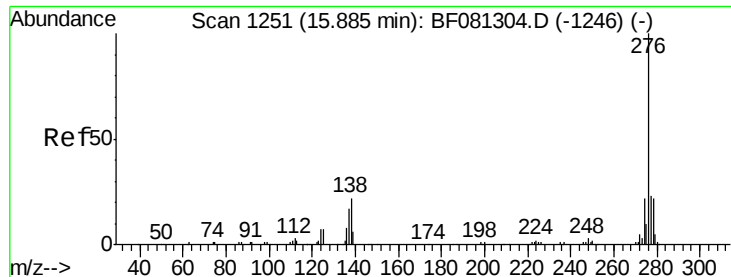
MMDadoda
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#83
Bis(2-ethylhexyl)phthalate
Concen: 2.98 ng m
RT: 13.49 min Scan# 1041
Delta R.T. 0.01 min
Lab File: BF081536.D
Acq: 8 Sep 2015 22:26

Tgt Ion: 149 Resp: 12720
Ion Ratio Lower Upper
149 100
167 24.9 24.2 36.2
279 3.0 3.8 5.6#





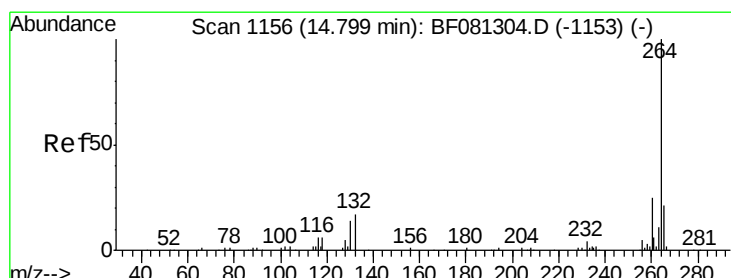
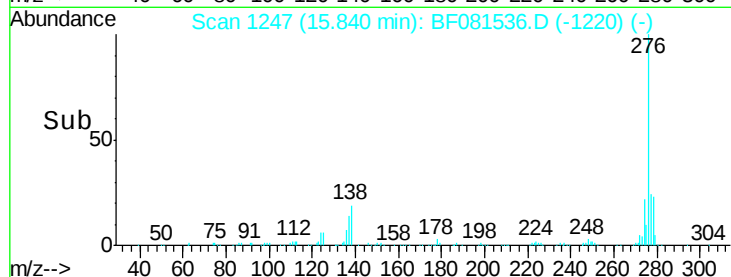
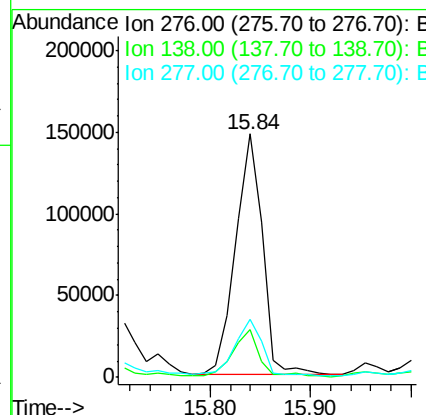
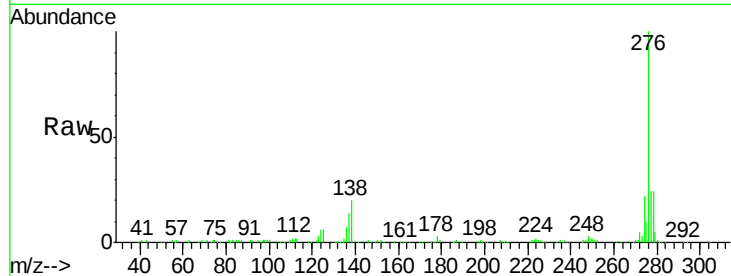
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 65.02 ng
 RT: 15.84 min Scan# 1247
 Delta R.T. 0.01 min
 Lab File: BF081536.D
 Acq: 8 Sep 2015 22:26

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-CLARKST-ESMI-2

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	18.2	25.7	38.5#
277	24.6	15.6	23.4#

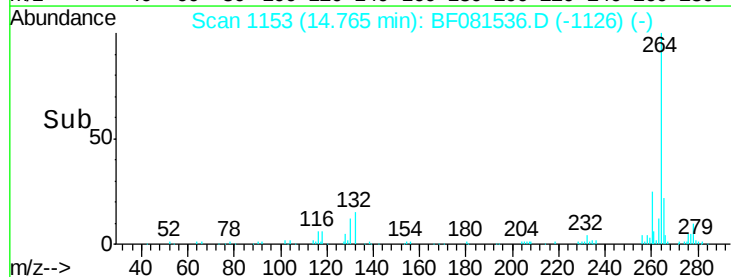
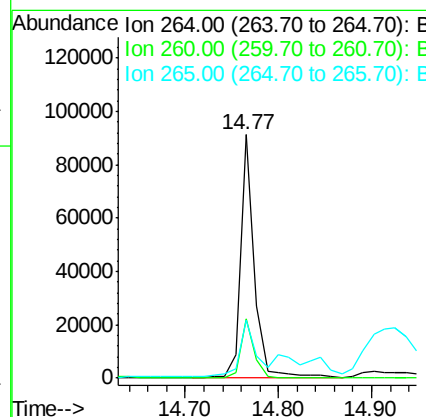
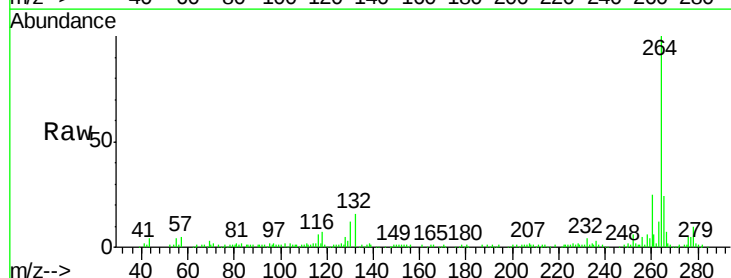
Manual Integrations
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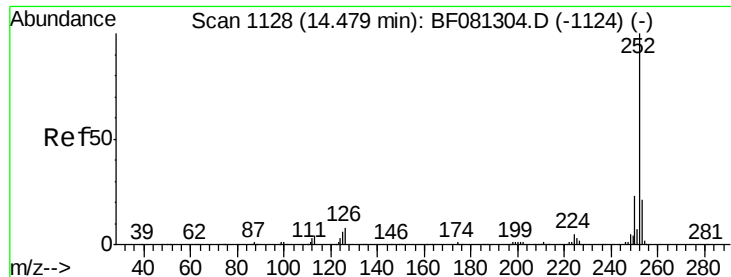
MMDadoda
 9/9/2015 2:59:15 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.77 min Scan# 1153
 Delta R.T. 0.01 min
 Lab File: BF081536.D
 Acq: 8 Sep 2015 22:26

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	24.6	16.7	25.1
265	23.6	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 88.32 ng m

RT: 14.45 min Scan# 1125

Delta R.T. 0.01 min

Lab File: BF081536.D

Acq: 8 Sep 2015 22:26

Instrument :

BNA_F

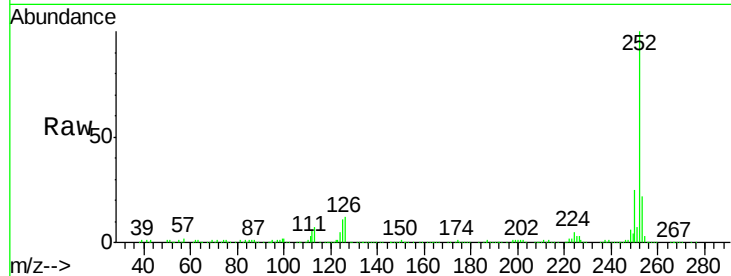
ClientSampleId :

NYSEG-CLARKST-ESMI-2

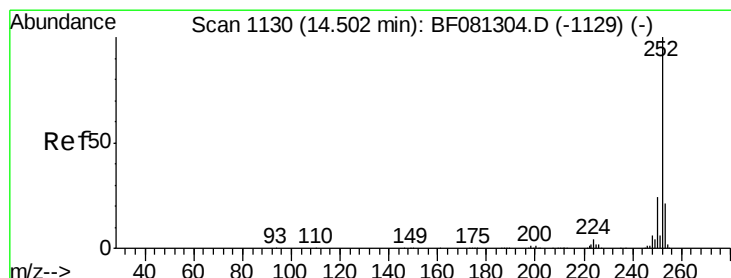
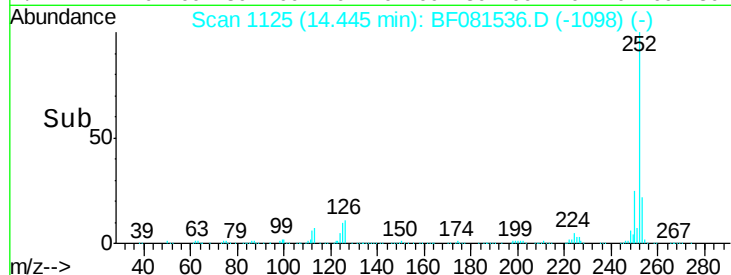
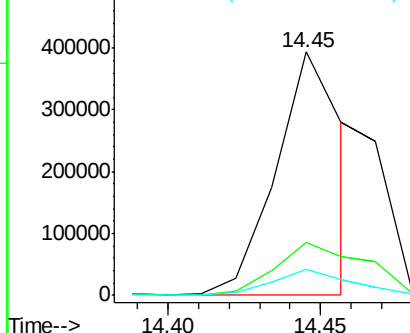
Tgt Ion:	252	Resp:	600854
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.5	26.3
125	10.6	17.1	25.7#

Manual Integrations
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 33.15 ng m

RT: 14.46 min Scan# 1126

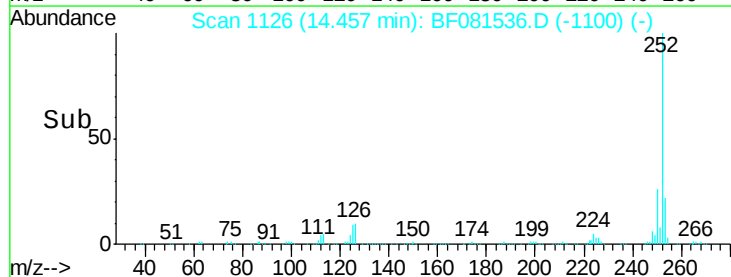
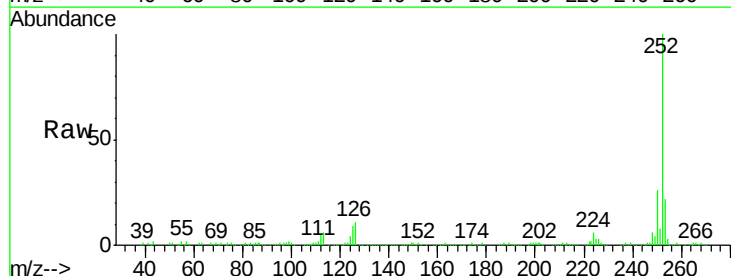
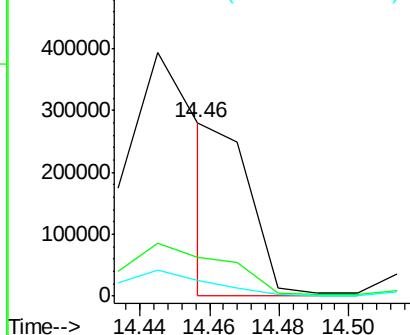
Delta R.T. -0.00 min

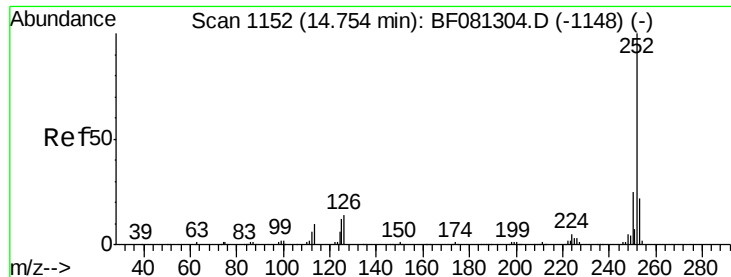
Lab File: BF081536.D

Acq: 8 Sep 2015 22:26

Tgt Ion:	252	Resp:	187105
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.0	25.4
125	9.0	16.0	24.0#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





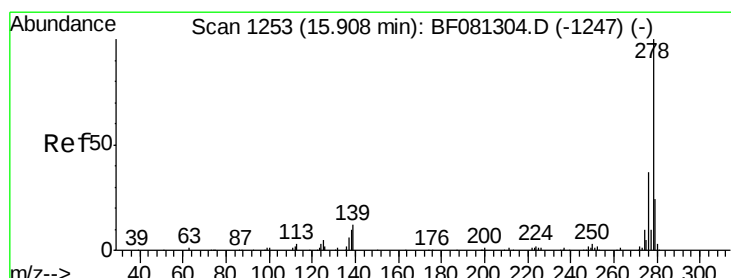
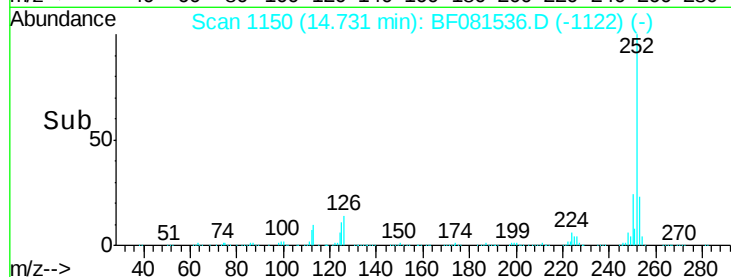
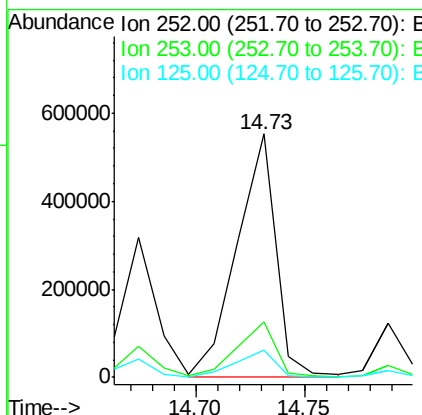
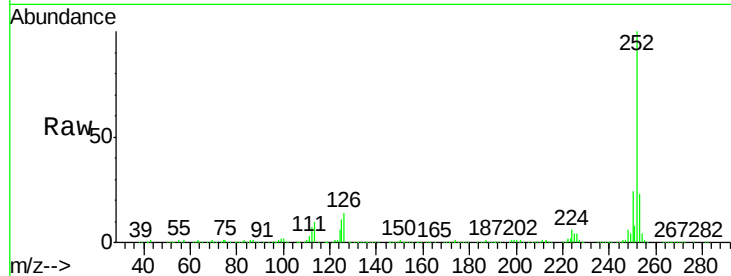
#89
Benzo(a)pyrene
Concen: 118.43 ng
RT: 14.73 min Scan# 1150
Delta R.T. 0.02 min
Lab File: BF081536.D
Acq: 8 Sep 2015 22:26

Instrument :
BNA_F
ClientSampleId :
NYSEG-CLARKST-ESMI-2

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	22.8	17.2	25.8
125	11.1	18.0	27.0#

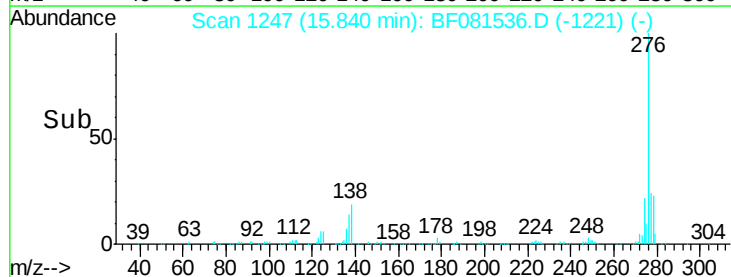
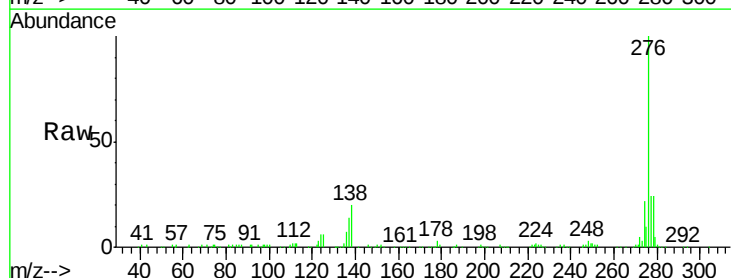
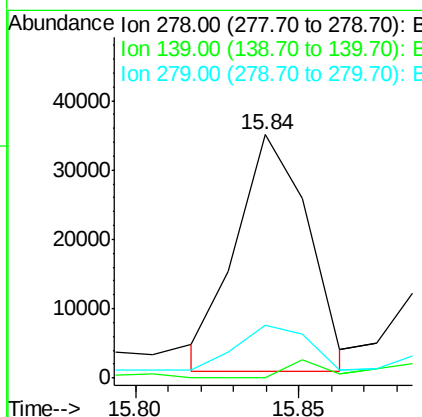
Manual Integrations
APPROVED

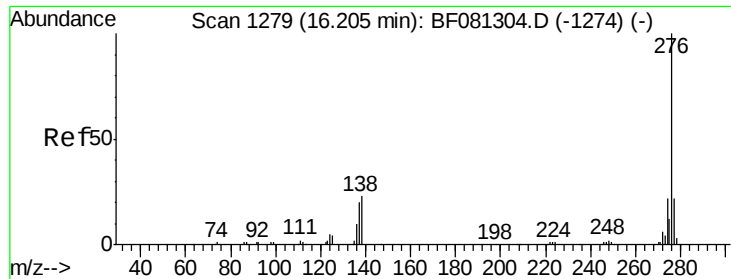
MMDadoda
9/9/2015 2:59:15 PM



#90
Dibenzo(a,h)anthracene
Concen: 11.78 ng m
RT: 15.84 min Scan# 1247
Delta R.T. -0.00 min
Lab File: BF081536.D
Acq: 8 Sep 2015 22:26

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	0.0	26.3	39.5#
279	21.5	18.2	27.4





#91
 Benzo(g,h,i)perylene
 Concen: 68.70 ng
 RT: 16.16 min Scan# 1275
 Delta R.T. 0.02 min
 Lab File: BF081536.D
 Acq: 8 Sep 2015 22:26

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-CLARKST-ESMI-2

Tgt	Ion	Ratio	Resp	Lower	Upper
276	100		292082		
277	23.8	17.8	26.6		
138	20.3	34.6	51.8#		

Manual Integrations
 APPROVED

MMDadoda
 9/9/2015 2:59:15 PM

