

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
 Data File : BF081511.D
 Acq On : 6 Sep 2015 15:49
 Operator : UM/IZ
 Sample : G3472-02
 Misc :
 ALS Vial : 86 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB002

Manual Integrations
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 9/8/2015 3:58:37 PM

Quant Time: Sep 07 09:07:56 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 07 05:41:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.35	152	48649	20.00	ng	-0.01
21) Naphthalene-d8	7.64	136	182195	20.00	ng	-0.01
38) Acenaphthene-d10	9.38	164	78752	20.00	ng	-0.01
63) Phenanthrene-d10	10.86	188	136927	20.00	ng	0.00
75) Chrysene-d12	13.47	240	100254	20.00	ng	0.01
86) Perylene-d12	14.78	264	79712	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.90	112	291222	92.88	ng	0.01
7) Phenol-d6	6.03	99	449824	108.38	ng	0.00
23) Nitrobenzene-d5	6.94	82	280488	74.28	ng	-0.01
41) 2,4,6-Tribromophenol	10.17	330	60331	86.04	ng	-0.01
44) 2-Fluorobiphenyl	8.73	172	410208	66.75	ng	-0.01
78) Terphenyl-d14	12.43	244	226000	52.48	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	7.67	128	66876	6.88	ng	100
37) 2-Methylnaphthalene	8.36	142	15438	2.44	ng	# 92
48) Acenaphthylene	9.24	152	41721	4.49	ng	96
49) Dimethylphthalate	9.13	163	105227	17.20	ng	# 97
51) Acenaphthene	9.42	154	51081	9.67	ng	94
54) Dibenzofuran	9.59	168	48186	6.25	ng	# 84
57) Fluorene	9.93	166	57671m	9.86	ng	
70) Phenanthrene	10.88	178	640484	84.14	ng	96
71) Anthracene	10.92	178	165241	21.13	ng	98
72) Carbazole	11.10	167	87134	11.87	ng	98
74) Fluoranthene	12.06	202	877510	106.48	ng	91
77) Pyrene	12.28	202	845732	113.88	ng	98
79) Butylbenzylphthalate	12.93	149	13294	4.12	ng	# 77
80) Benzo(a)anthracene	13.46	228	404941	63.43	ng	96
82) Chrysene	13.50	228	343840m	60.08	ng	
83) Bis(2-ethylhexyl)phthalate	13.50	149	31381	7.36	ng	# 90
85) Indeno(1,2,3-cd)pyrene	15.86	276	128062	30.50	ng	# 82
87) Benzo(b)fluoranthene	14.46	252	400853m	70.44	ng	
88) Benzo(k)fluoranthene	14.47	252	109235m	23.13	ng	
89) Benzo(a)pyrene	14.73	252	243943	50.59	ng	# 87
90) Dibenzo(a,h)anthracene	15.86	278	30984m	8.31	ng	
91) Benzo(g,h,i)perylene	16.18	276	107414	30.20	ng	# 73

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

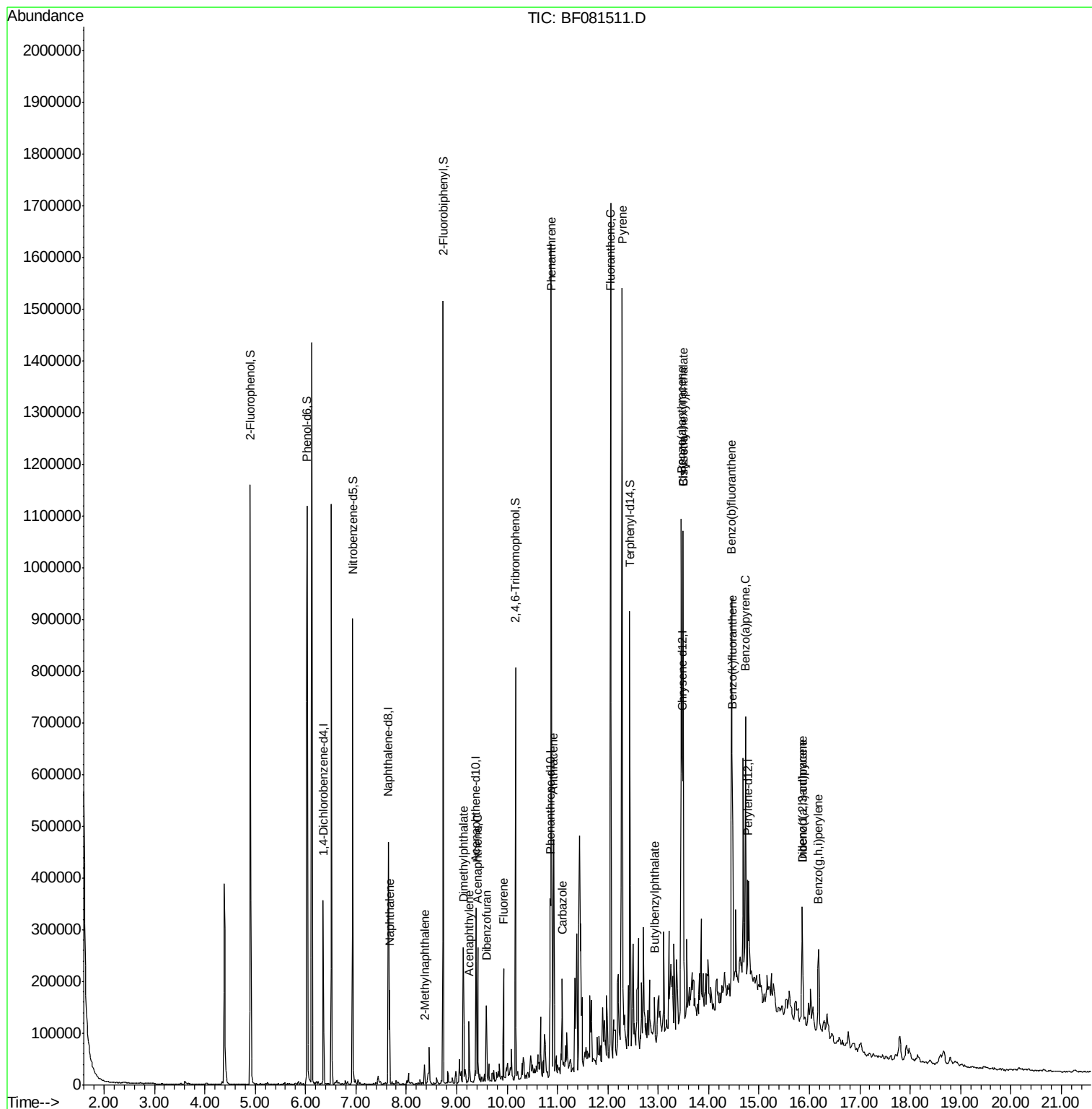
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081511.D
Acq On : 6 Sep 2015 15:49
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ALS Vial : 86 Sample Multiplier: 1

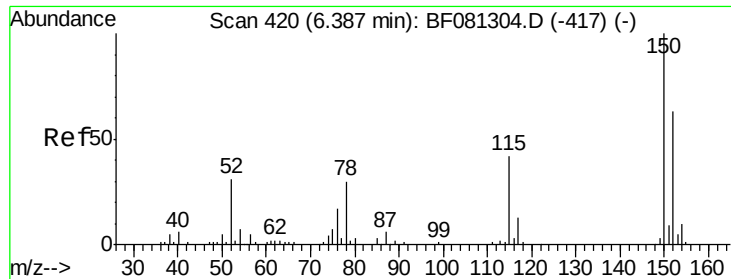
Instrument :
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ClientSampleId :
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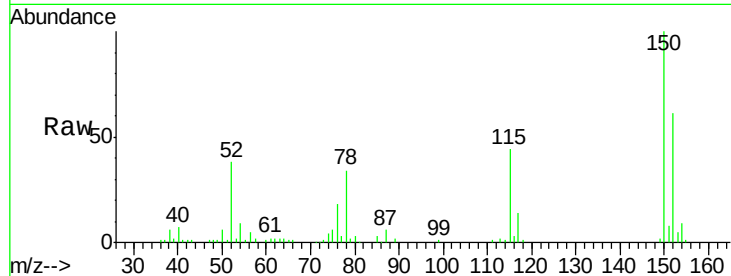




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.35 min Scan# 417
Delta R.T. -0.01 min
Lab File: BF081511.D
Acq: 6 Sep 2015 15:49

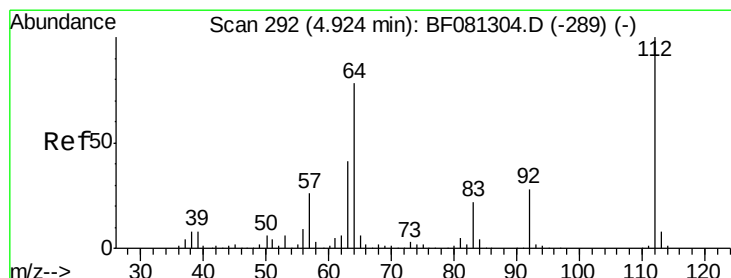
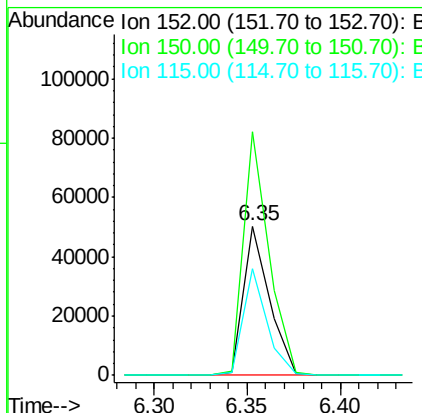
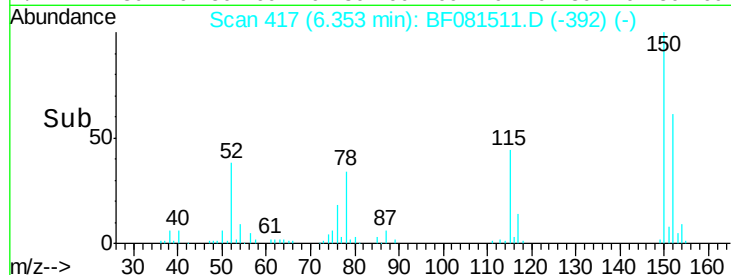
Instrument :
BNA_F
ClientSampleId :
SB002



Tgt Ion	Ratio	Lower	Upper
152	100		
150	163.1	124.7	187.1
115	71.5	39.0	58.4#

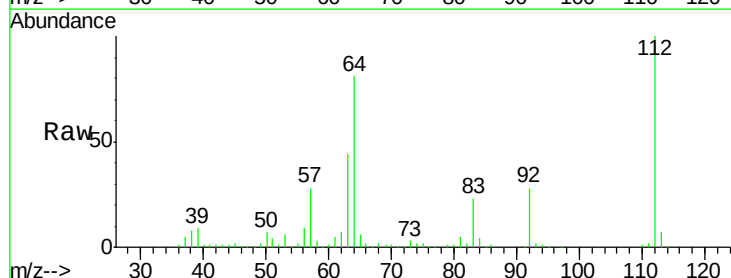
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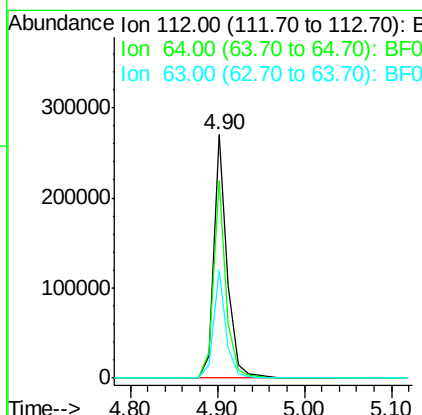
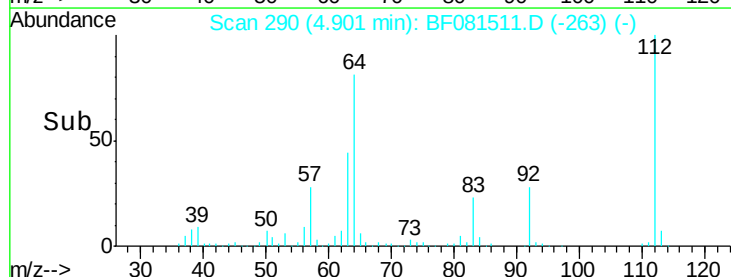


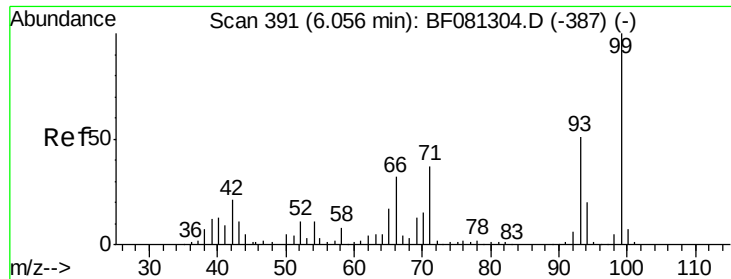
#5

2-Fluorophenol
Concen: 92.88 ng
RT: 4.90 min Scan# 290
Delta R.T. 0.01 min
Lab File: BF081511.D
Acq: 6 Sep 2015 15:49



Tgt Ion	Ratio	Lower	Upper
112	100		
64	81.3	39.7	59.5#
63	44.2	17.4	26.0#





#7

Phenol-d6

Concen: 108.38 ng

RT: 6.03 min Scan# 389

Delta R.T. -0.00 min

Lab File: BF081511.D

Acq: 6 Sep 2015 15:49

Instrument :

BNA_F

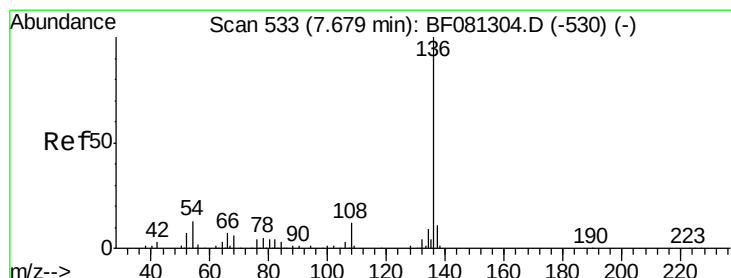
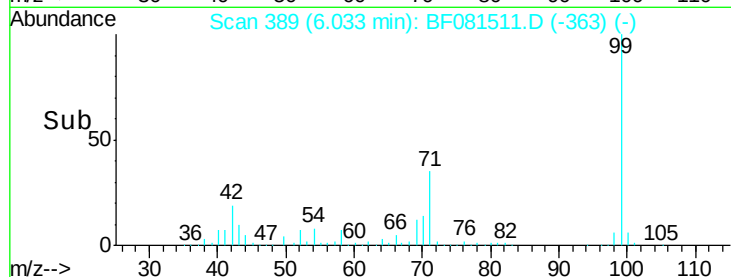
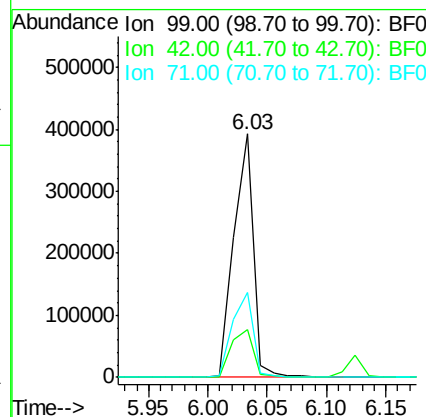
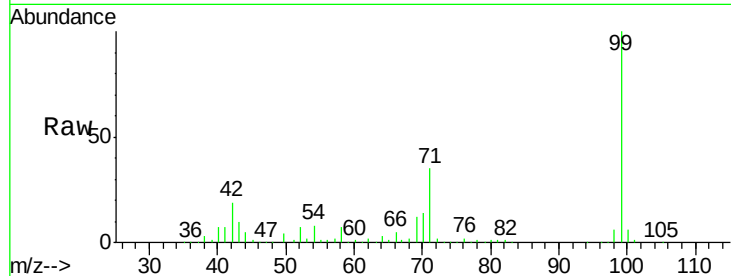
ClientSampleId :

SB002

Tgt Ion:	99	Resp:	449824
Ion Ratio	Lower	Upper	
99	100		
42	19.4	13.7	20.5
71	34.7	14.2	21.2#

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#21

Naphthalene-d8

Concen: 20.00 ng

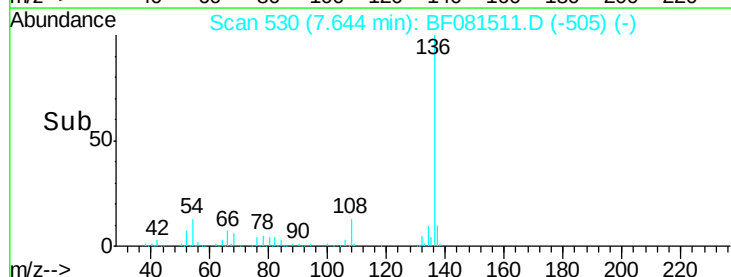
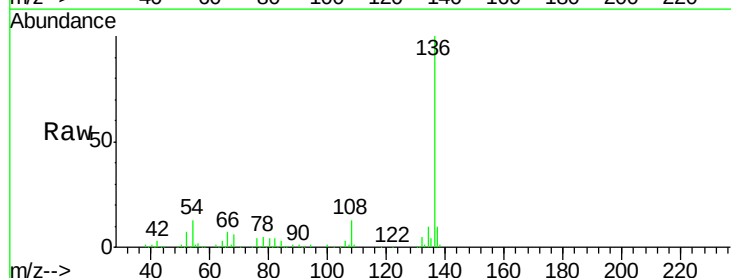
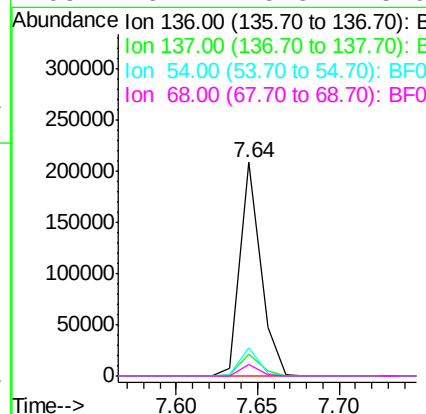
RT: 7.64 min Scan# 530

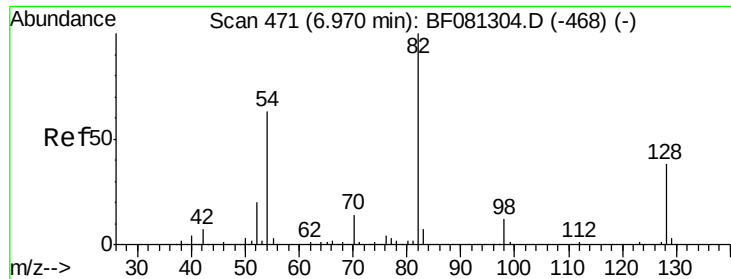
Delta R.T. -0.01 min

Lab File: BF081511.D

Acq: 6 Sep 2015 15:49

Tgt Ion:	136	Resp:	182195
Ion Ratio	Lower	Upper	
136	100		
137	10.4	9.0	13.6
54	13.2	8.2	12.2#
68	5.7	5.8	8.6#





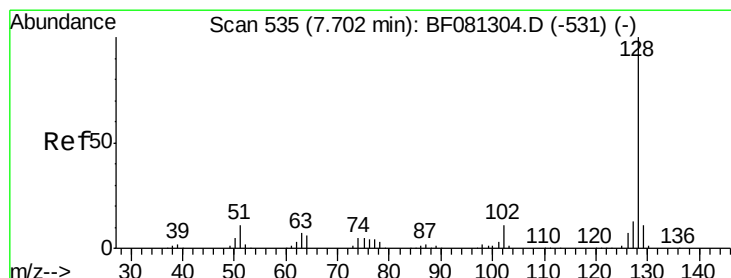
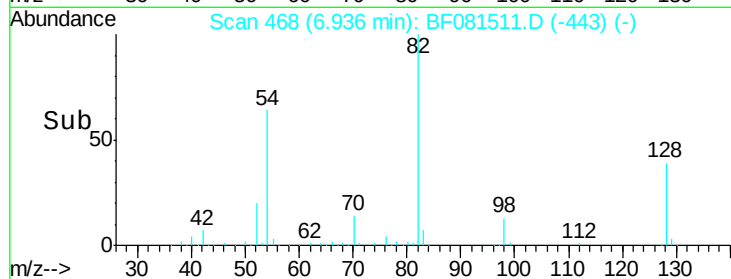
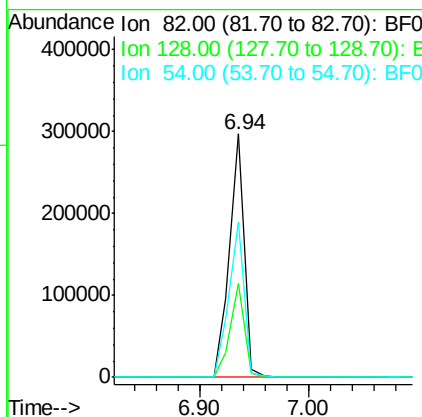
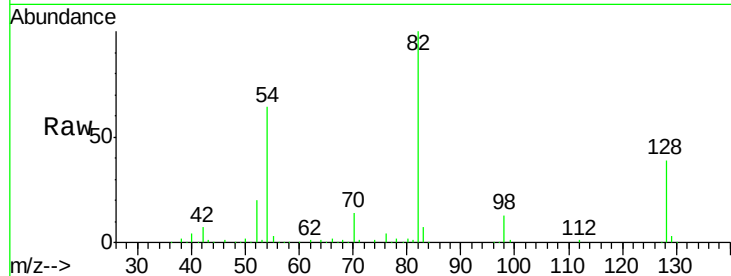
#23
Nitrobenzene-d5
Concen: 74.28 ng
RT: 6.94 min Scan# 468
Delta R.T. -0.01 min
Lab File: BF081511.D
Acq: 6 Sep 2015 15:49

Instrument :
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ClientSampleId :
SB002

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	280488		
128	38.6	51.0	76.6#	
54	63.9	47.5	71.3	

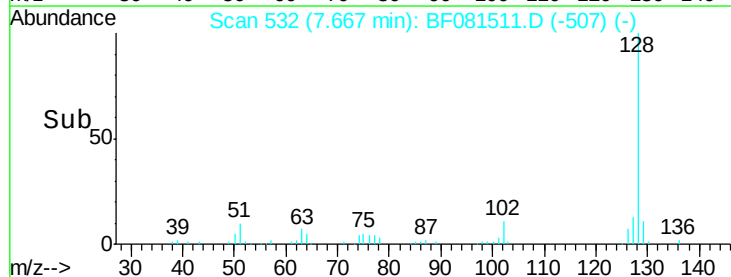
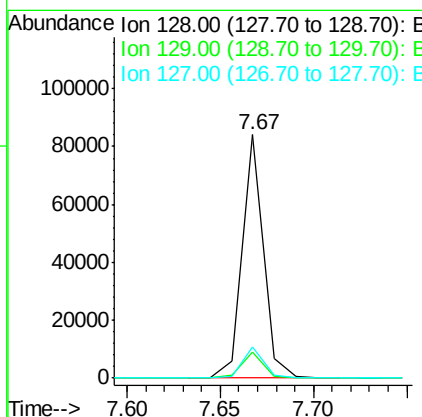
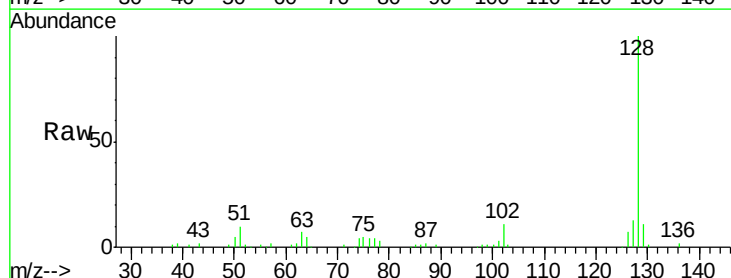
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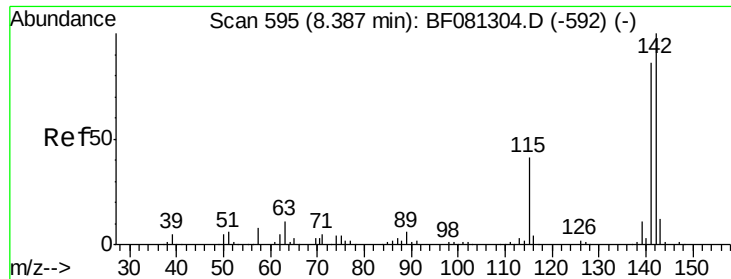
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#31
Naphthalene
Concen: 6.88 ng
RT: 7.67 min Scan# 532
Delta R.T. -0.01 min
Lab File: BF081511.D
Acq: 6 Sep 2015 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	66876		
129	10.6	8.4	12.6	
127	12.6	9.9	14.9	





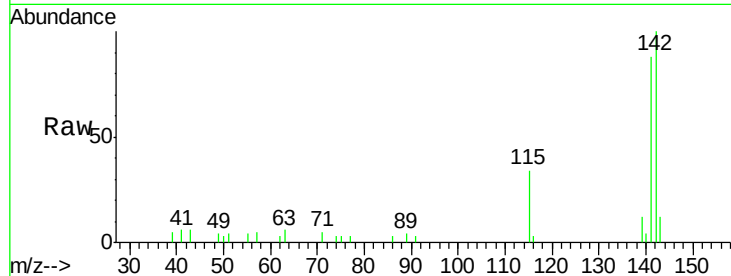
#37
 2-Methylnaphthalene
 Concen: 2.44 ng
 RT: 8.36 min Scan# 593
 Delta R.T. -0.00 min
 Lab File: BF081511.D
 Acq: 6 Sep 2015 15:49

Instrument :
 BNA_F
 ClientSampleId :
 SB002

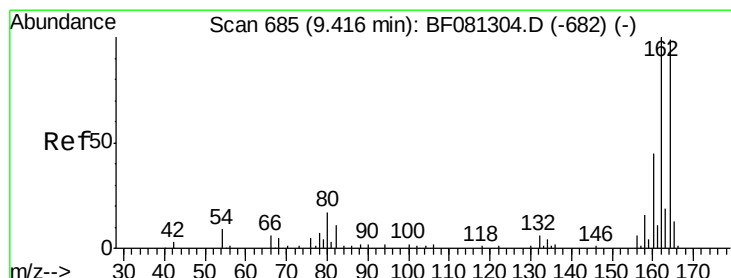
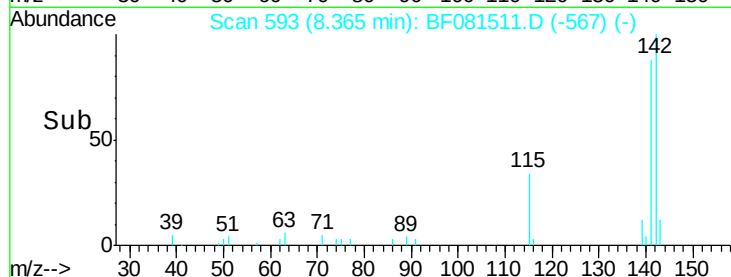
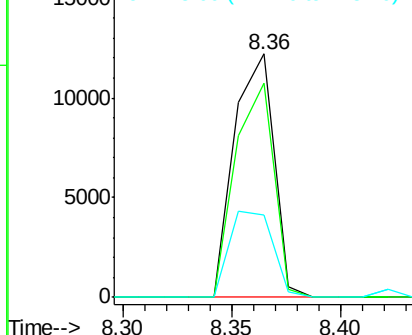
Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.8	67.5	101.3
115	33.7	18.2	27.2

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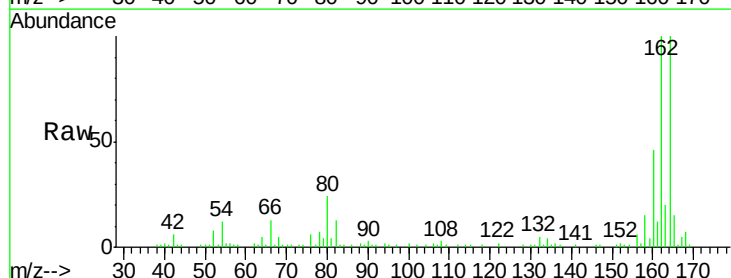


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

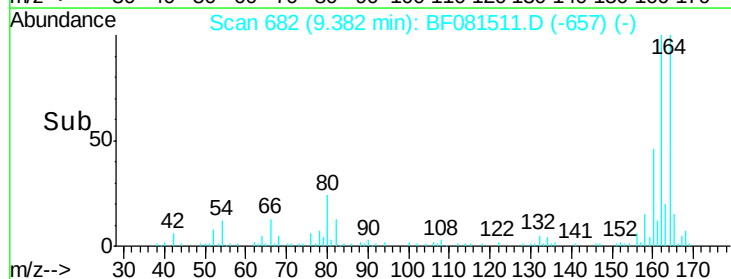
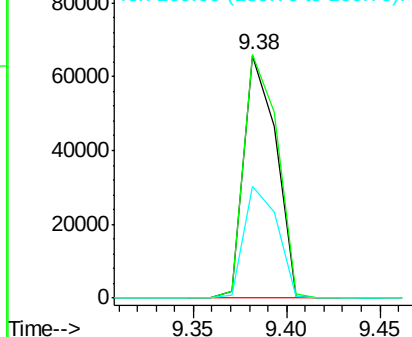


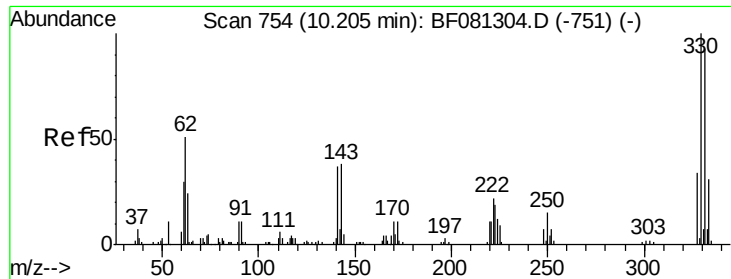
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.38 min Scan# 682
 Delta R.T. -0.01 min
 Lab File: BF081511.D
 Acq: 6 Sep 2015 15:49

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.3	75.2	112.8
160	46.1	31.5	47.3



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





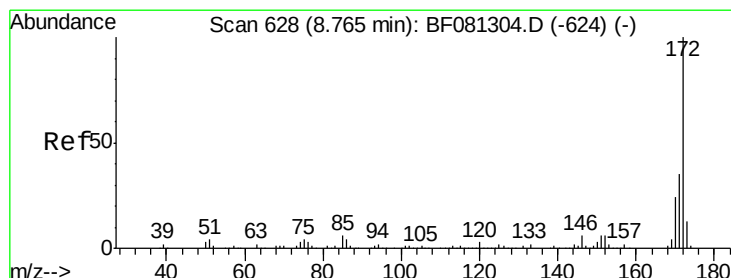
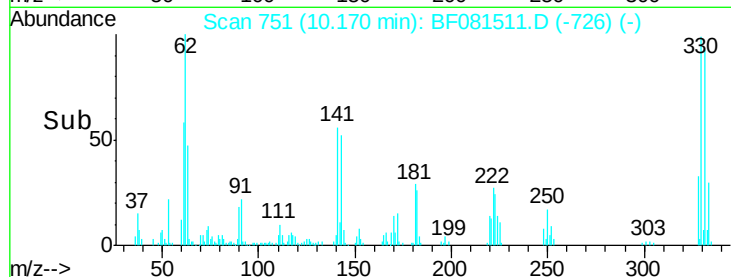
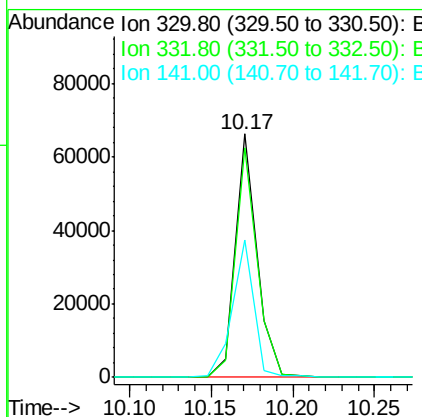
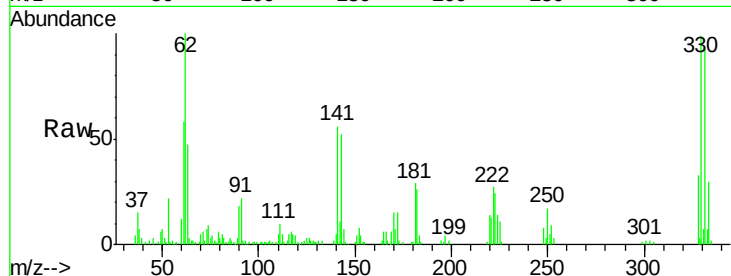
#41
 2,4,6-Tribromophenol
 Concen: 86.04 ng
 RT: 10.17 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: BF081511.D
 Acq: 6 Sep 2015 15:49

Instrument :
 BNA_F
 ClientSampleId :
 SB002

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	60331		
332	94.9	76.6	114.8	
141	56.4	29.7	44.5#	

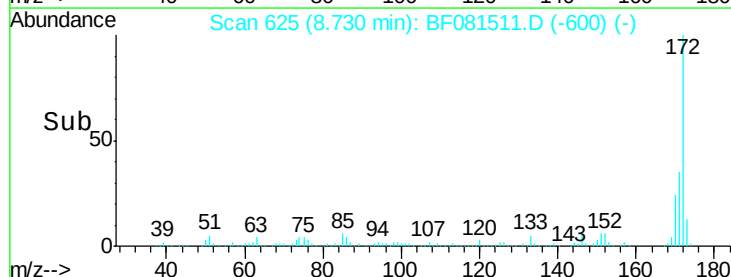
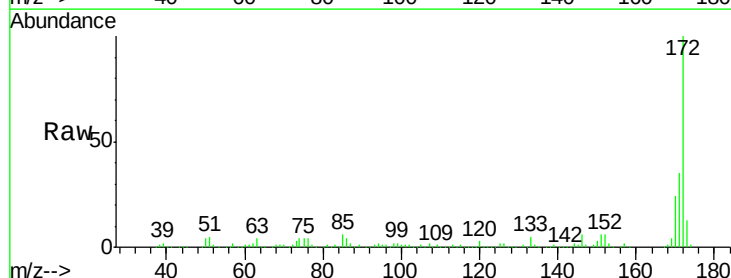
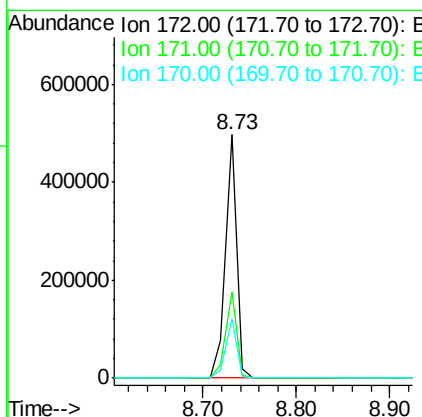
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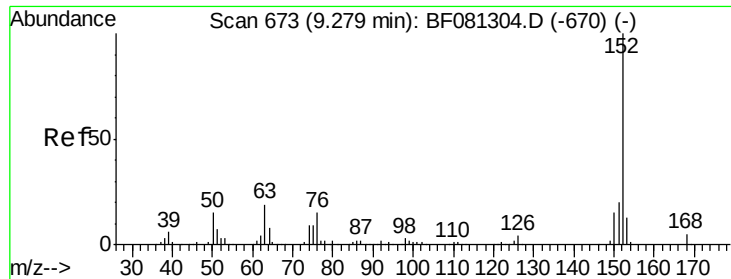
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#44
 2-Fluorobiphenyl
 Concen: 66.75 ng
 RT: 8.73 min Scan# 625
 Delta R.T. -0.01 min
 Lab File: BF081511.D
 Acq: 6 Sep 2015 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	410208		
171	35.5	26.1	39.1	
170	24.1	17.4	26.2	





#48

Acenaphthylene

Concen: 4.49 ng

RT: 9.24 min Scan# 670

Delta R.T. -0.01 min

Lab File: BF081511.D

Acq: 6 Sep 2015 15:49

Instrument :

BNA_F

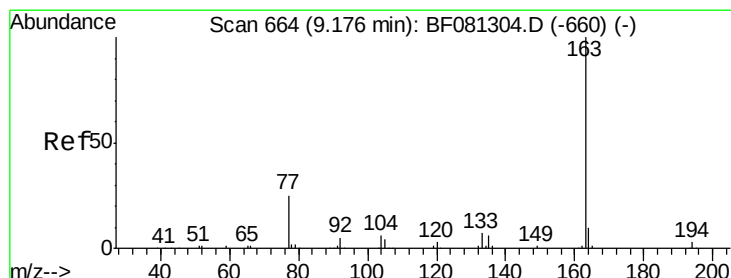
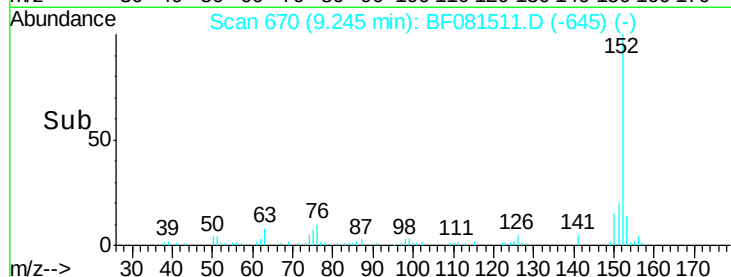
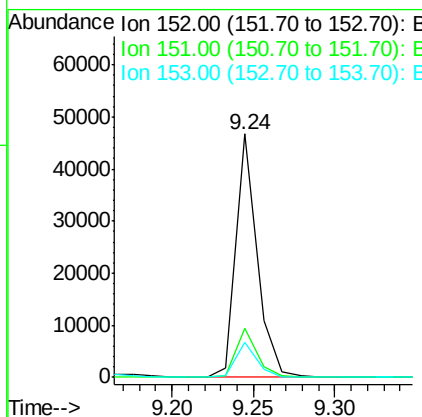
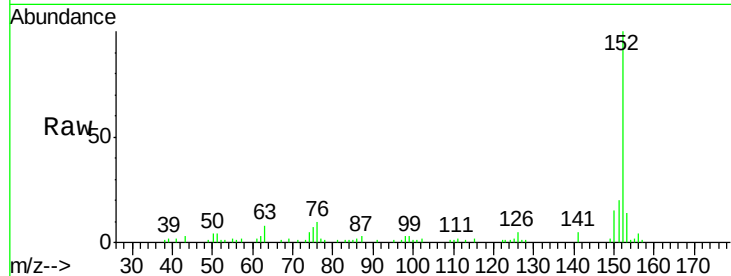
ClientSampleId :

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Tgt Ion:	152	Resp:	41721
Ion Ratio		Lower	Upper
152	100		
151	20.0	14.6	22.0
153	14.3	10.3	15.5

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#49

Dimethylphthalate

Concen: 17.20 ng

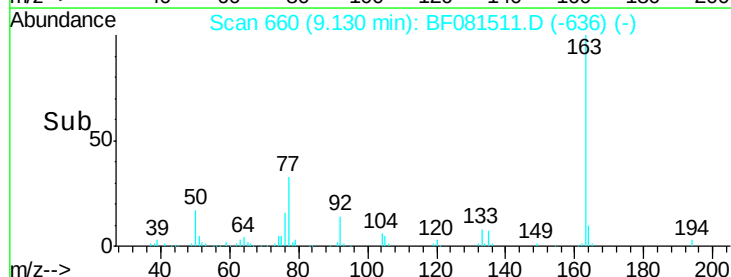
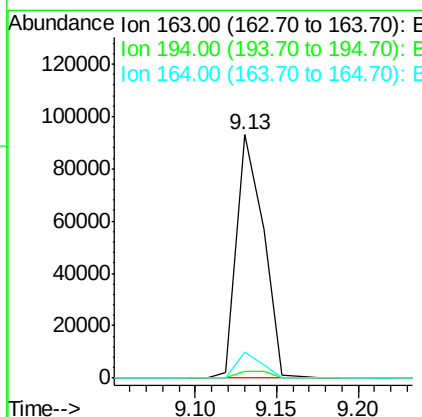
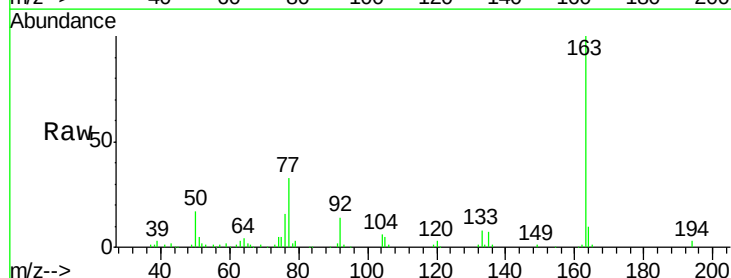
RT: 9.13 min Scan# 660

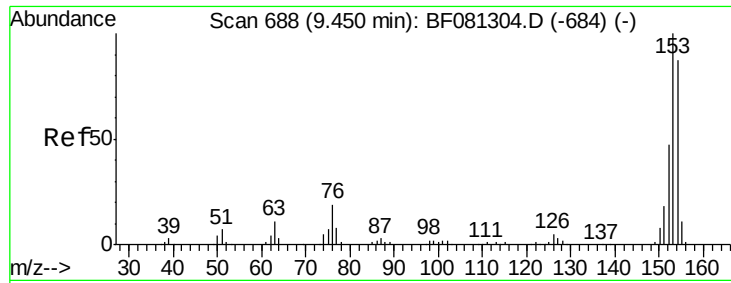
Delta R.T. -0.02 min

Lab File: BF081511.D

Acq: 6 Sep 2015 15:49

Tgt Ion:	163	Resp:	105227
Ion Ratio		Lower	Upper
163	100		
194	2.9	4.4	6.6#
164	10.4	8.3	12.5





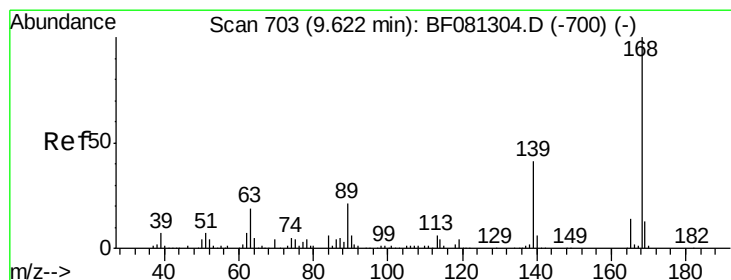
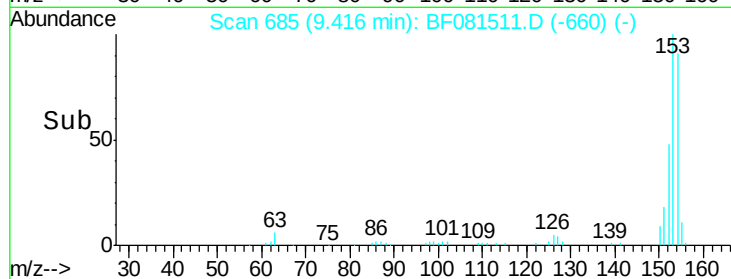
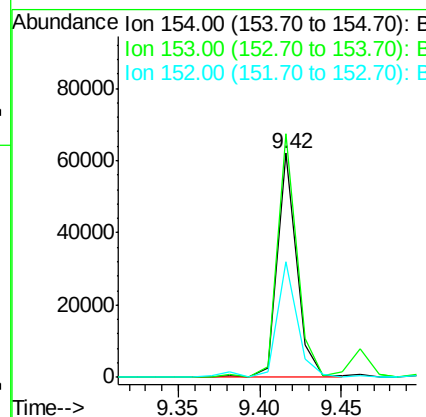
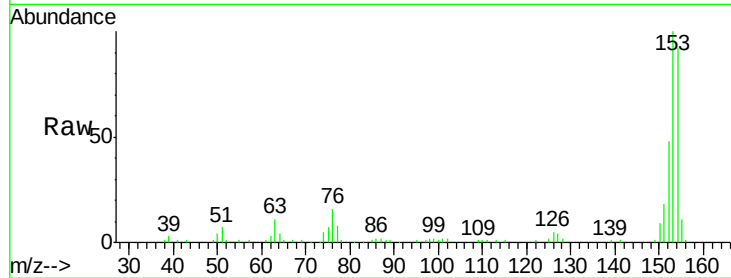
#51
Acenaphthene
Concen: 9.67 ng
RT: 9.42 min Scan# 685
Delta R.T. -0.01 min
Lab File: BF081511.D
Acq: 6 Sep 2015 15:49

Instrument :
BNA_F
ClientSampleId :
SB002

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	51081		
153	108.8	82.1	123.1	
152	51.9	37.9	56.9	

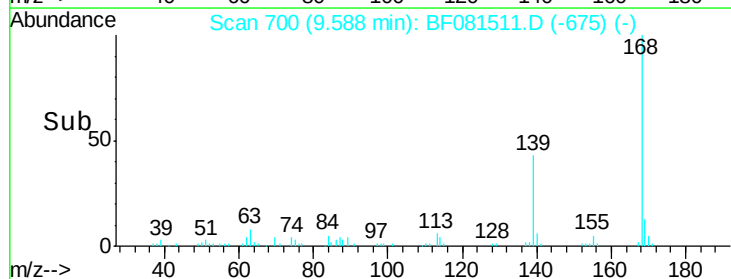
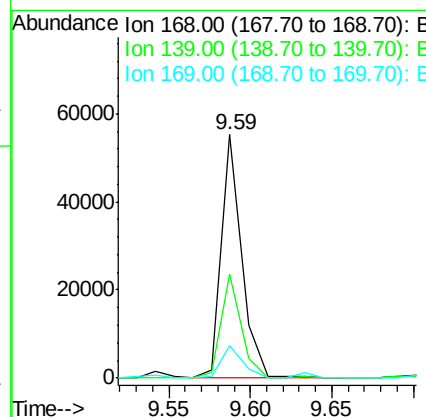
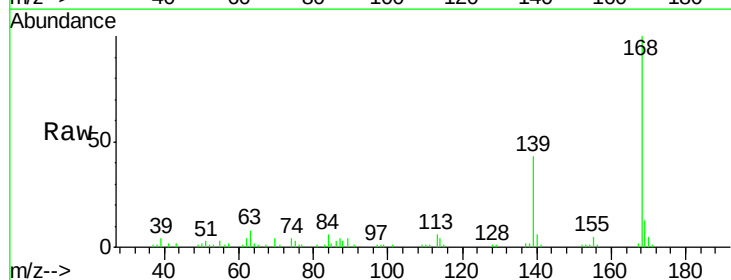
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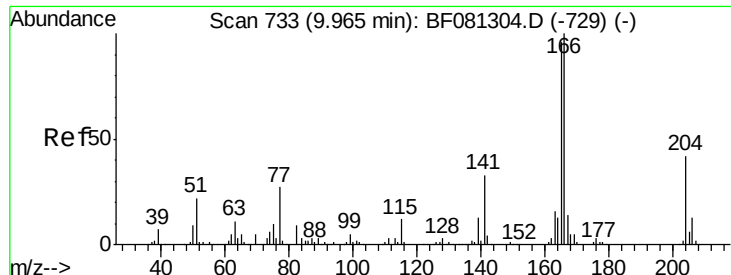
MMDadoda
9/8/2015 3:58:37 PM



#54
Dibenzofuran
Concen: 6.25 ng
RT: 9.59 min Scan# 700
Delta R.T. -0.01 min
Lab File: BF081511.D
Acq: 6 Sep 2015 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	48186		
139	42.6	24.2	36.2#	
169	13.3	10.6	15.8	





#57

Fluorene

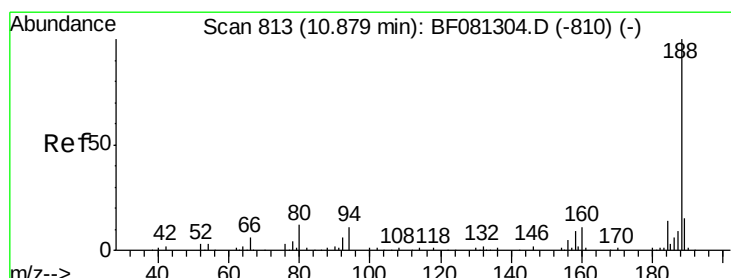
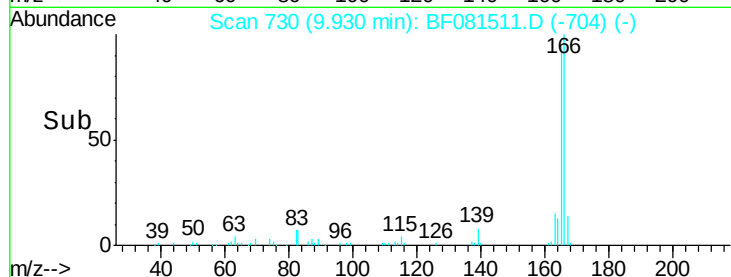
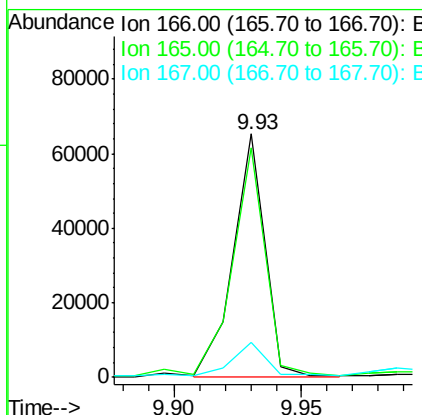
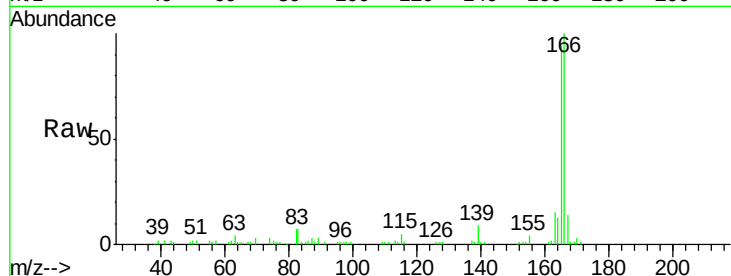
Concen: 9.86 ng m
RT: 9.93 min Scan# 730
Delta R.T. -0.00 min
Lab File: BF081511.D
Acq: 6 Sep 2015 15:49

Instrument :
BNA_F
ClientSampleId :
SB002

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	57671		
165	94.0	72.6	109.0	
167	14.3	10.6	16.0	

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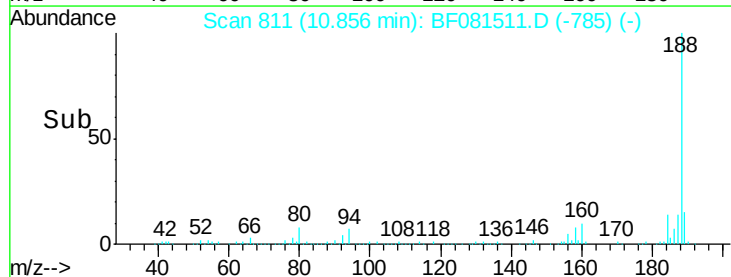
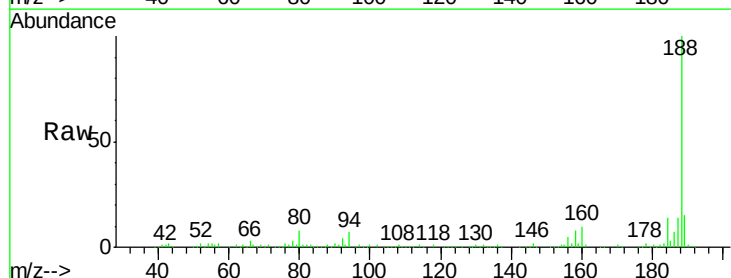
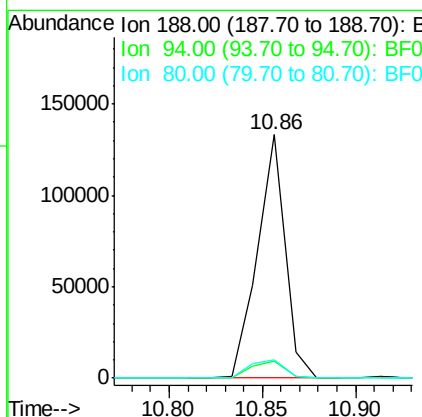


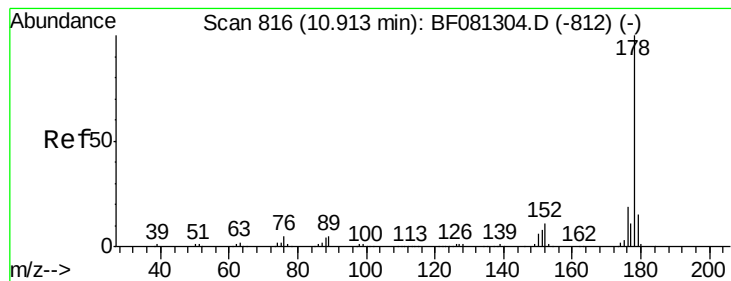
#63

Phenanthrene-d10

Concen: 20.00 ng
RT: 10.86 min Scan# 811
Delta R.T. -0.00 min
Lab File: BF081511.D
Acq: 6 Sep 2015 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	136927		
94	7.2	11.1	16.7#	
80	7.6	11.0	16.4#	





#70

Phenanthrene

Concen: 84.14 ng

RT: 10.88 min Scan# 813

Delta R.T. -0.00 min

Lab File: BF081511.D

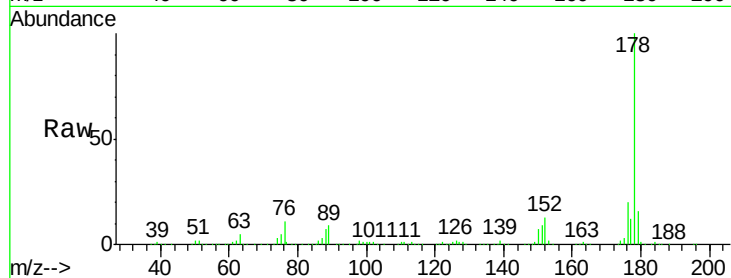
Acq: 6 Sep 2015 15:49

Instrument :

BNA_F

ClientSampleId :

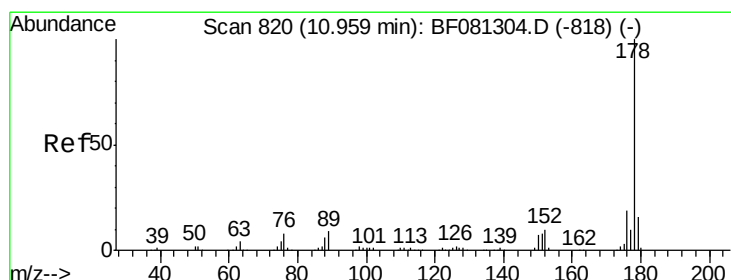
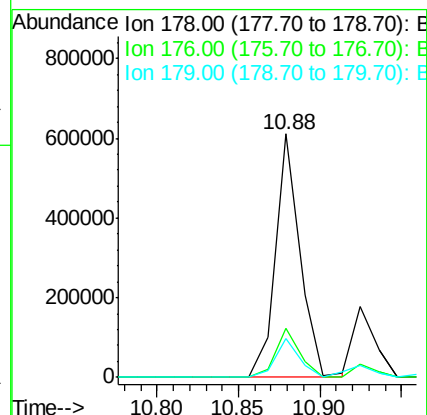
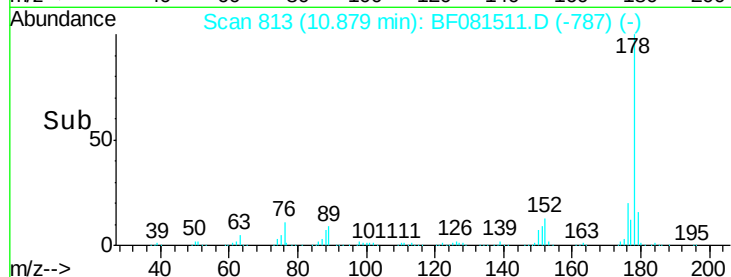
SB002



Tgt Ion:	178	Resp:	640484
Ion Ratio	Lower	Upper	
178	100		
176	20.0	13.8	20.8
179	15.8	12.2	18.2

Manual Integrations
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#71

Anthracene

Concen: 21.13 ng

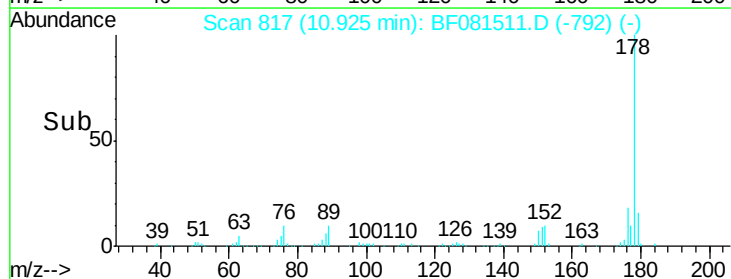
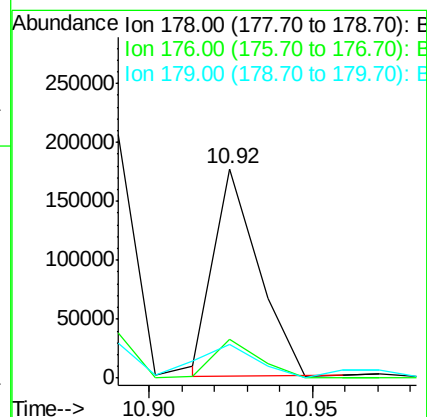
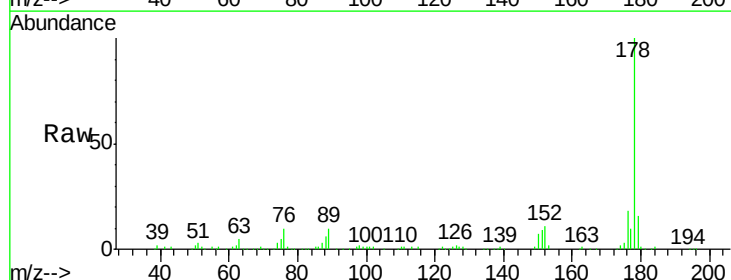
RT: 10.92 min Scan# 817

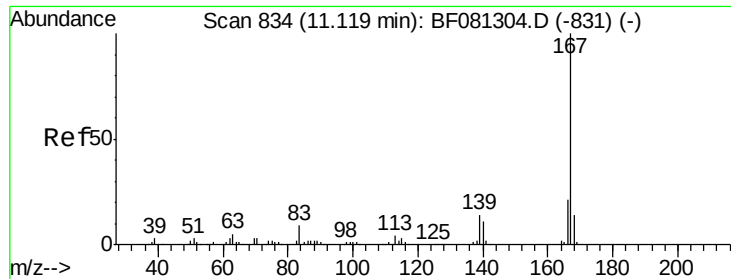
Delta R.T. -0.01 min

Lab File: BF081511.D

Acq: 6 Sep 2015 15:49

Tgt Ion:	178	Resp:	165241
Ion Ratio	Lower	Upper	
178	100		
176	18.3	14.1	21.1
179	16.1	12.2	18.2





#72

Carbazole

Concen: 11.87 ng

RT: 11.10 min Scan# 832

Delta R.T. -0.00 min

Lab File: BF081511.D

Acq: 6 Sep 2015 15:49

Instrument :

BNA_F

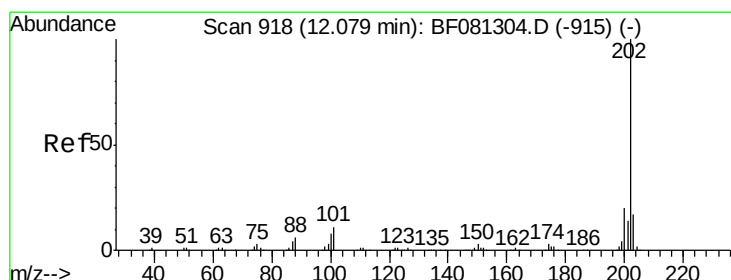
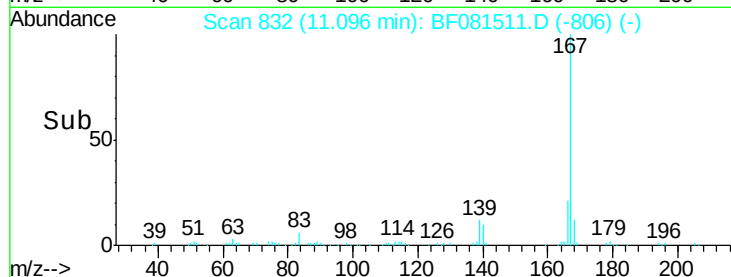
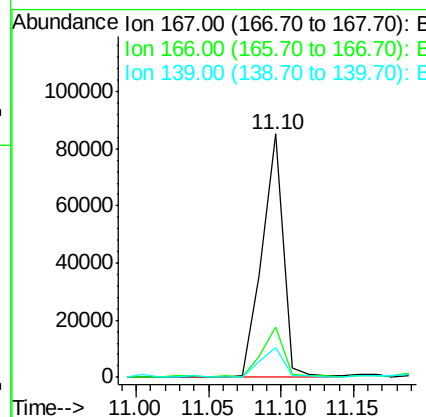
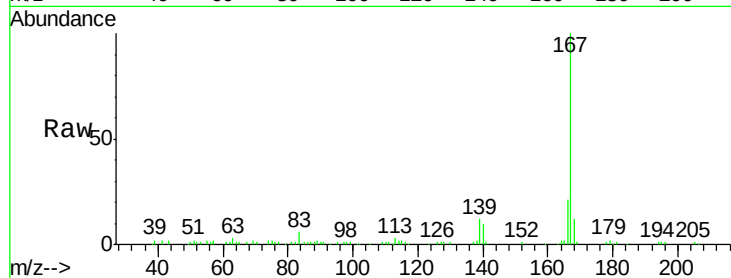
ClientSampleId :

SB002

Tgt Ion:	167	Resp:	87134
Ion Ratio	Lower	Upper	
167	100		
166	20.7	15.7	23.5
139	12.3	9.5	14.3

Manual Integrations
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#74

Fluoranthene

Concen: 106.48 ng

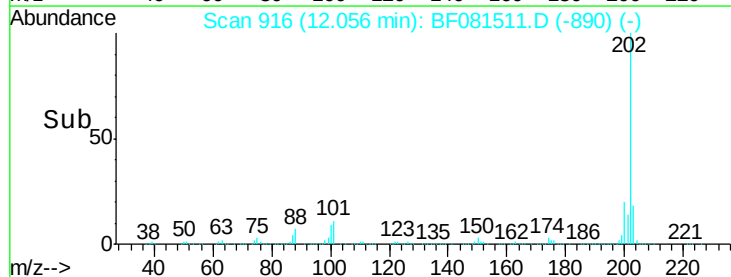
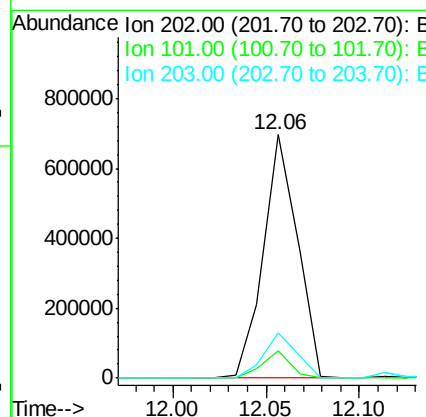
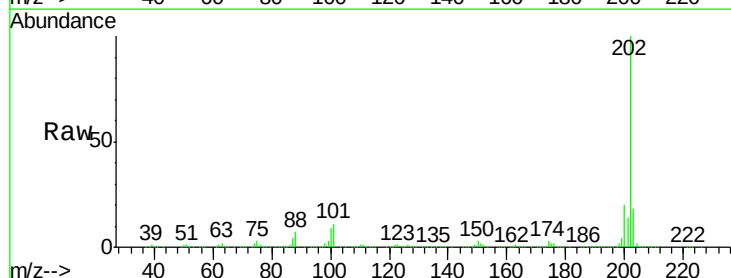
RT: 12.06 min Scan# 916

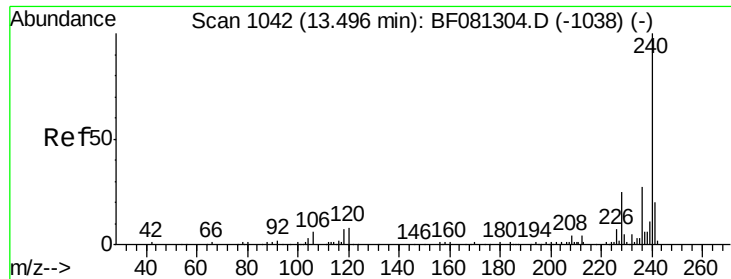
Delta R.T. -0.00 min

Lab File: BF081511.D

Acq: 6 Sep 2015 15:49

Tgt Ion:	202	Resp:	877510
Ion Ratio	Lower	Upper	
202	100		
101	11.2	0.0	38.3
203	18.4	0.0	37.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.47 min Scan# 1040

Delta R.T. 0.01 min

Lab File: BF081511.D

Acq: 6 Sep 2015 15:49

Instrument :

BNA_F

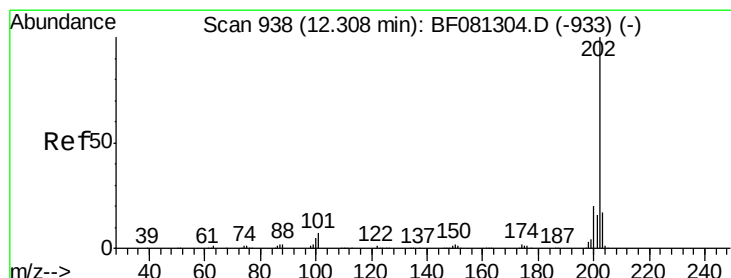
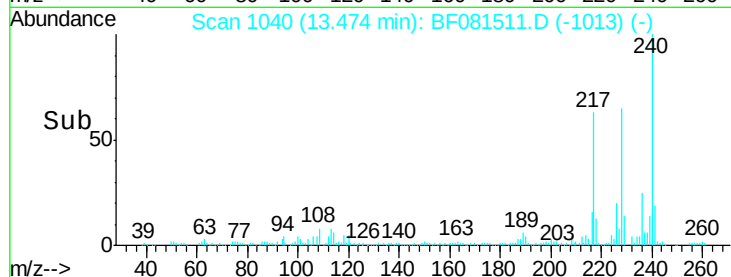
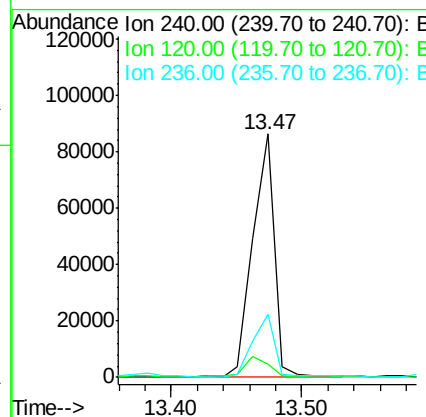
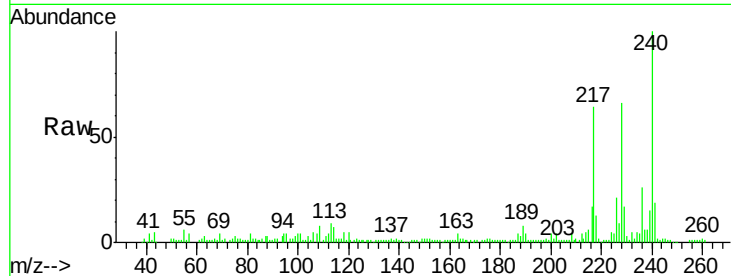
ClientSampled :

SB002

Tgt Ion:	240	Resp:	100254
Ion Ratio	Lower	Upper	
240	100		
120	5.5	16.2	24.2#
236	25.7	18.4	27.6

Manual Integrations
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#77

Pyrene

Concen: 113.88 ng

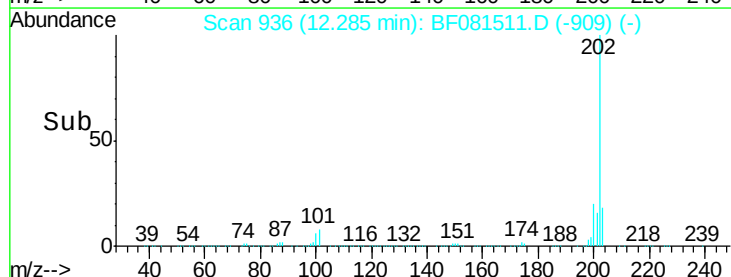
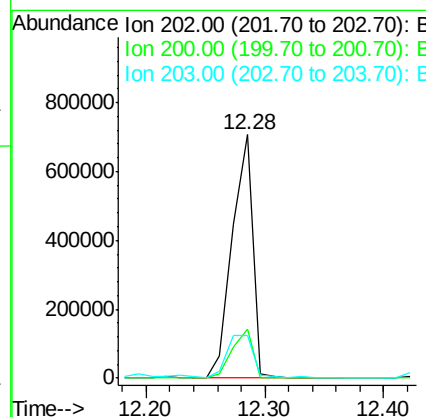
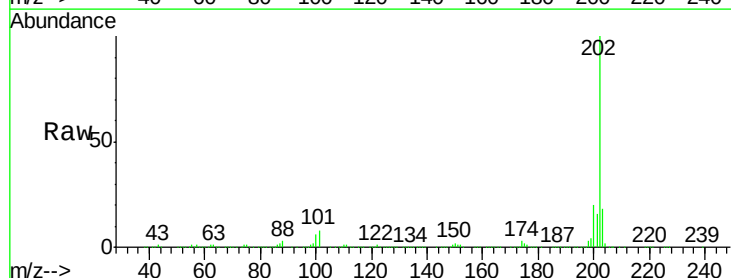
RT: 12.28 min Scan# 936

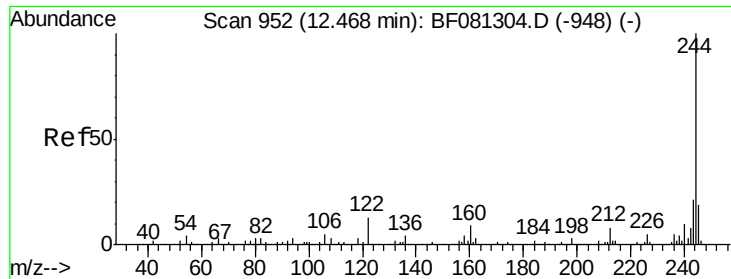
Delta R.T. 0.01 min

Lab File: BF081511.D

Acq: 6 Sep 2015 15:49

Tgt Ion:	202	Resp:	845732
Ion Ratio	Lower	Upper	
202	100		
200	20.3	15.0	22.4
203	17.8	14.1	21.1





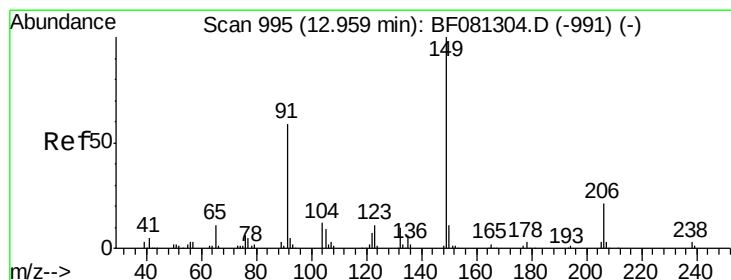
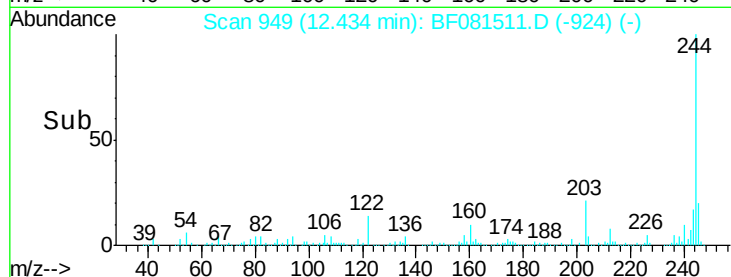
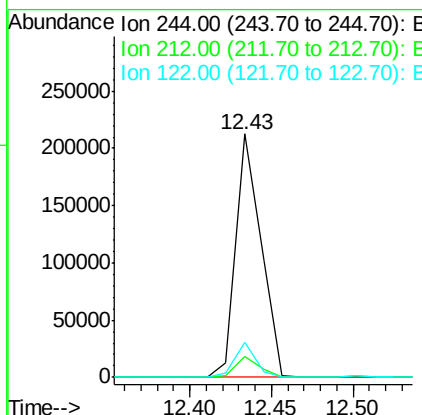
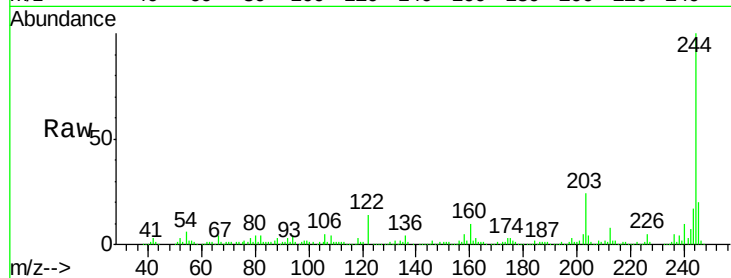
#78
 Terphenyl-d14
 Concen: 52.48 ng
 RT: 12.43 min Scan# 949
 Delta R.T. -0.01 min
 Lab File: BF081511.D
 Acq: 6 Sep 2015 15:49

Instrument :
 BNA_F
 ClientSampled :
 SB002

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	8.3	4.3	6.5#
122	14.2	17.4	26.2#

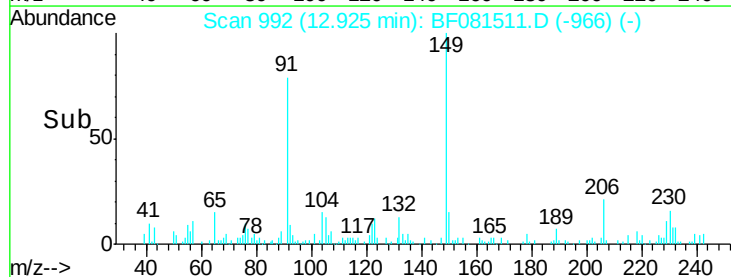
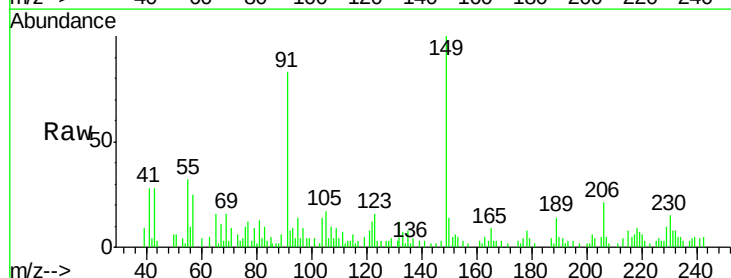
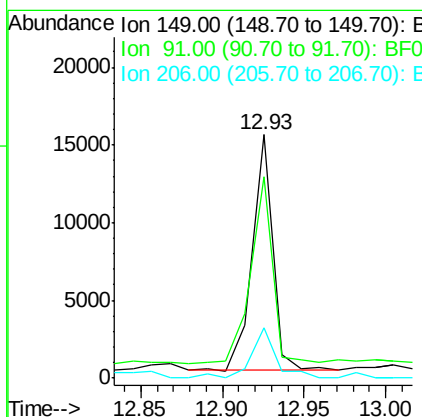
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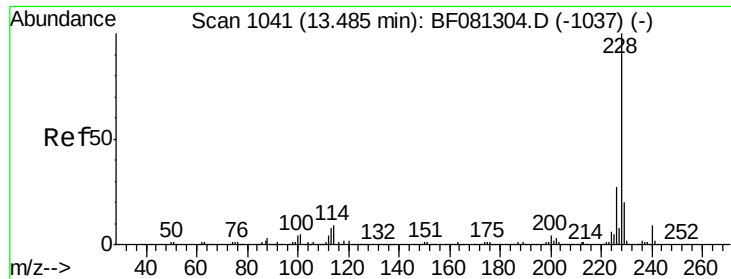
MMDadoda
 9/8/2015 3:58:37 PM



#79
 Butylbenzylphthalate
 Concen: 4.12 ng
 RT: 12.93 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: BF081511.D
 Acq: 6 Sep 2015 15:49

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
91	82.9	48.6	72.8#
206	20.5	14.9	22.3





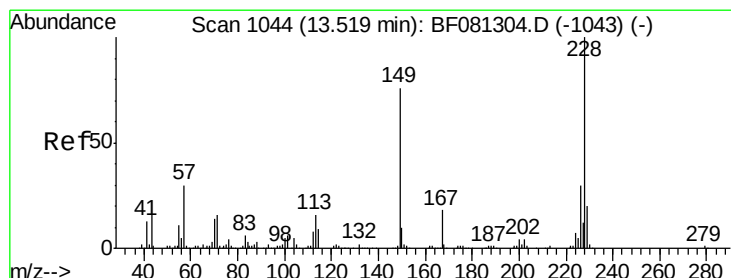
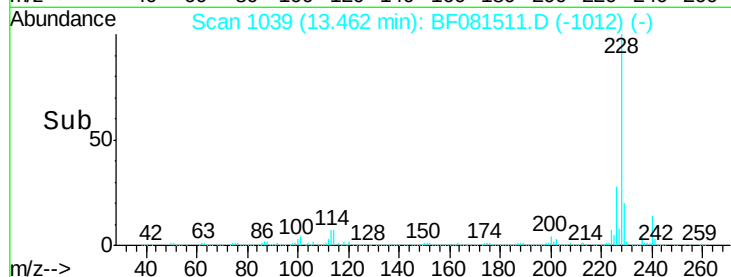
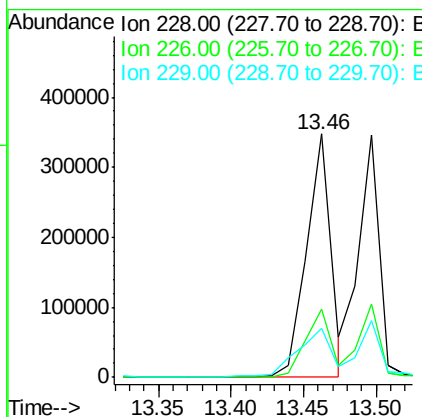
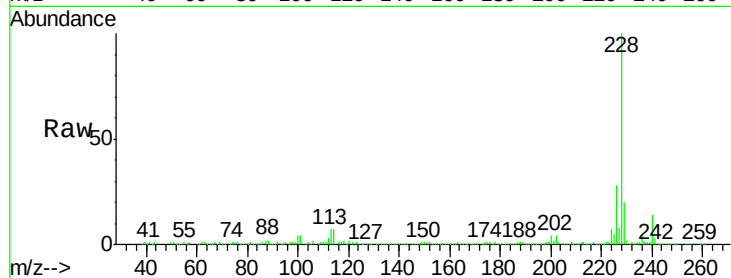
#80
Benzo(a)anthracene
Concen: 63.43 ng
RT: 13.46 min Scan# 1039
Delta R.T. 0.01 min
Lab File: BF081511.D
Acq: 6 Sep 2015 15:49

Instrument :
BNA_F
ClientSampleId :
SB002

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	404941		
226	28.2	20.0	30.0	
229	20.0	15.4	23.2	

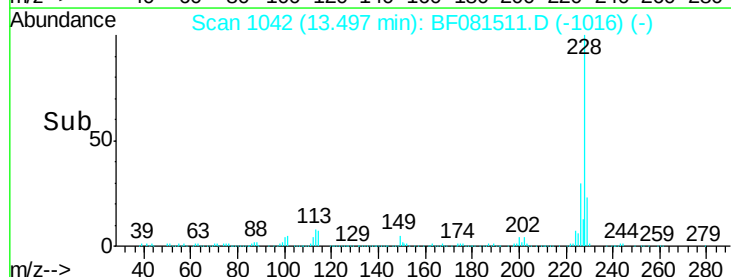
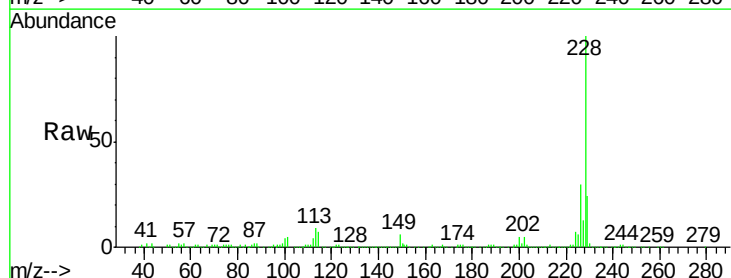
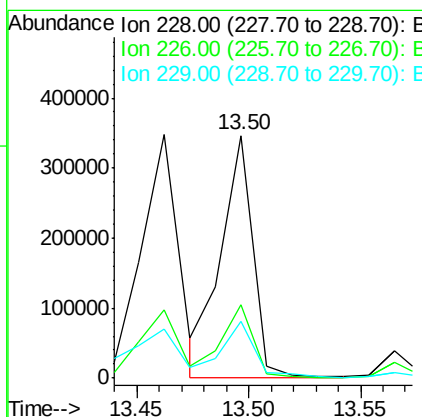
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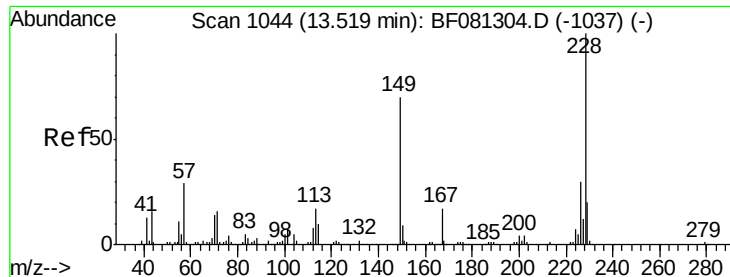
MMDadoda
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#82
Chrysene
Concen: 60.08 ng m
RT: 13.50 min Scan# 1042
Delta R.T. -0.00 min
Lab File: BF081511.D
Acq: 6 Sep 2015 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	343840		
226	30.5	21.0	31.4	
229	23.6	15.6	23.4#	





#83

Bis(2-ethylhexyl)phthalate

Concen: 7.36 ng

RT: 13.50 min Scan# 1042

Delta R.T. 0.01 min

Lab File: BF081511.D

Acq: 6 Sep 2015 15:49

Instrument :

BNA_F

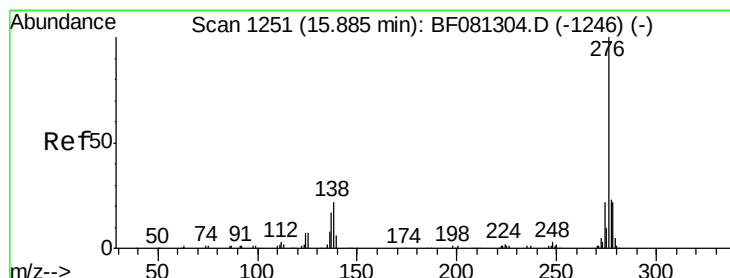
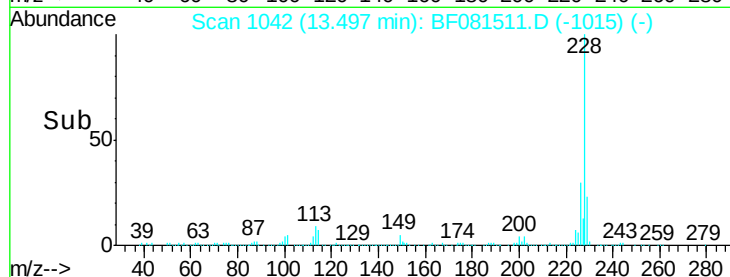
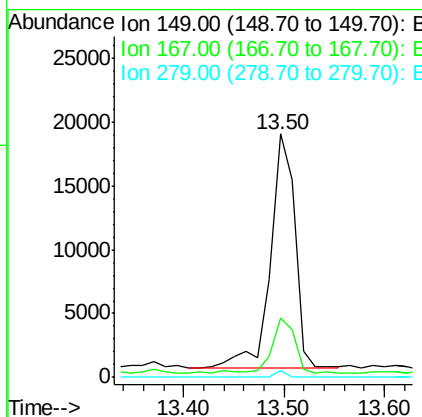
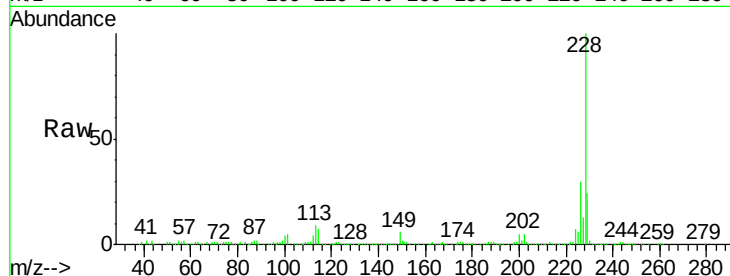
ClientSampled :

SB002

Tgt Ion:	149	Resp:	31381
Ion Ratio	Lower	Upper	
149	100		
167	24.2	24.2	36.2
279	2.6	3.8	5.6#

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#85

Indeno(1,2,3-cd)pyrene

Concen: 30.50 ng

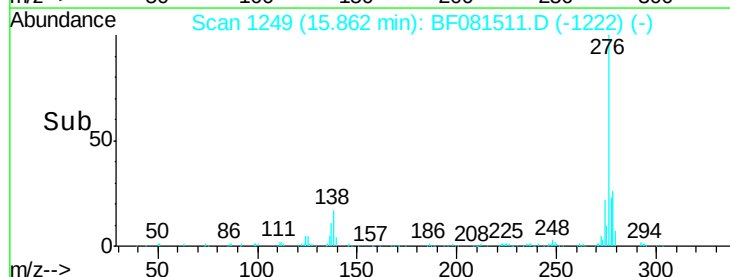
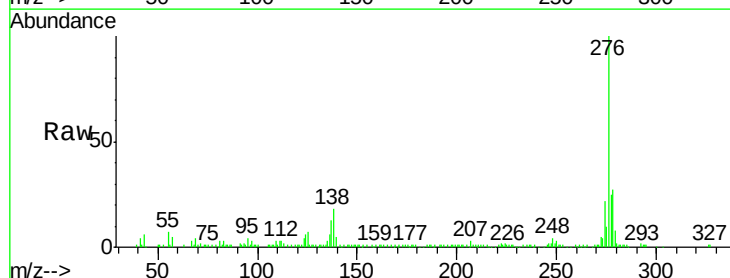
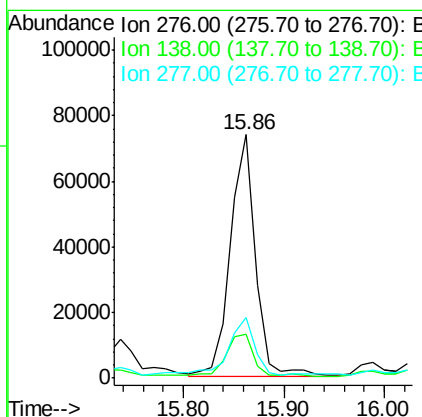
RT: 15.86 min Scan# 1249

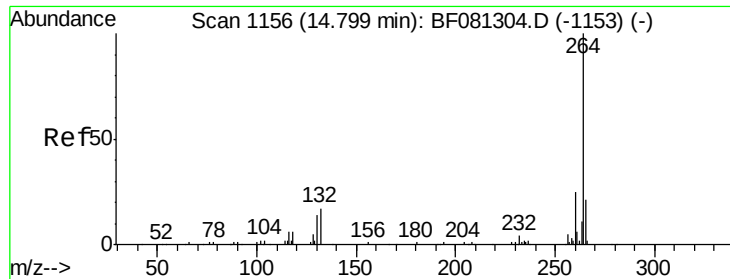
Delta R.T. 0.01 min

Lab File: BF081511.D

Acq: 6 Sep 2015 15:49

Tgt Ion:	276	Resp:	128062
Ion Ratio	Lower	Upper	
276	100		
138	19.5	25.7	38.5#
277	23.7	15.6	23.4#





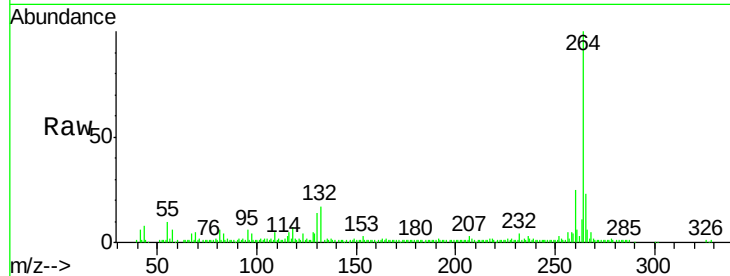
#86
Perylene-d12
Concen: 20.00 ng
RT: 14.78 min Scan# 1154
Delta R.T. 0.01 min
Lab File: BF081511.D
Acq: 6 Sep 2015 15:49

Instrument :
BNA_F
ClientSampleId :
SB002

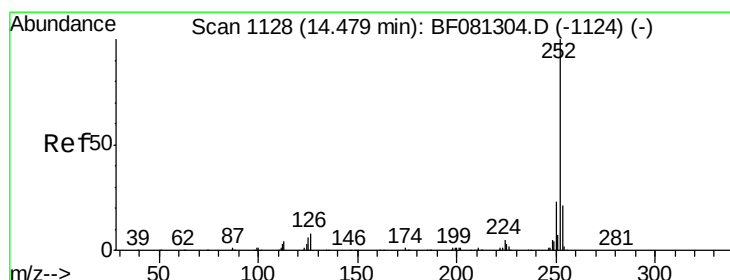
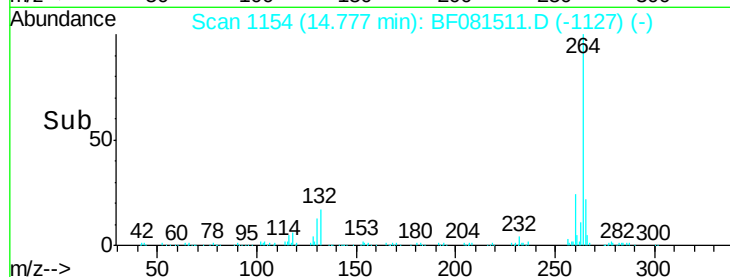
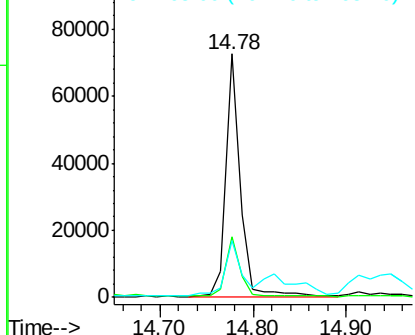
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	16.7	25.1
265	23.2	17.2	25.8

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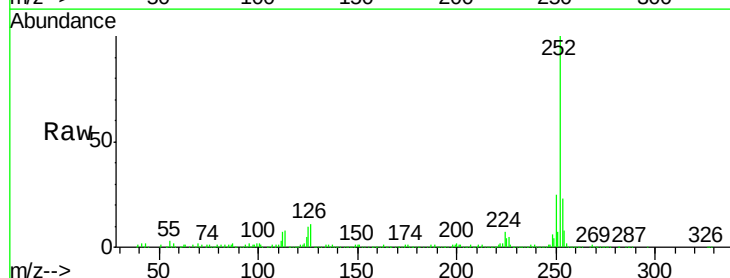


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

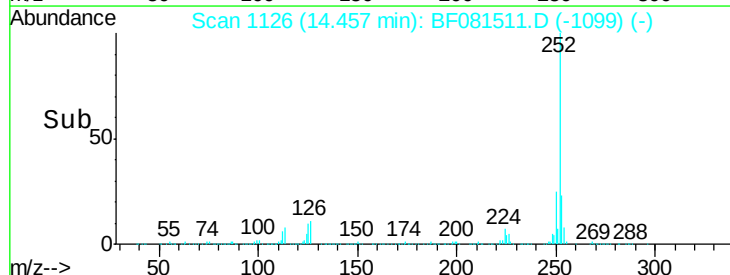
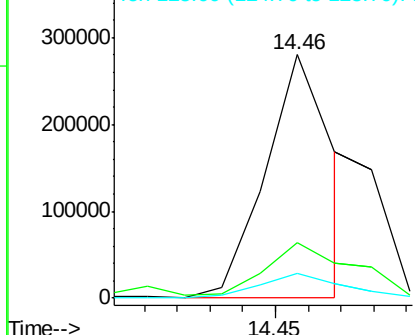


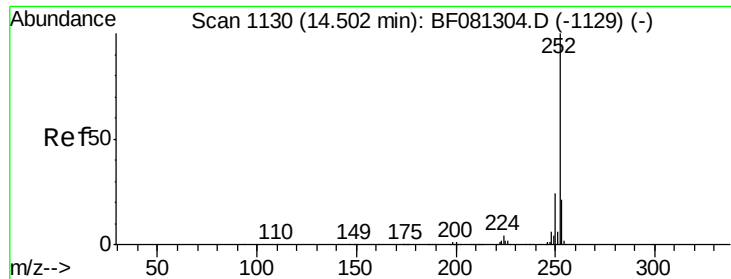
#87
Benzo(b)fluoranthene
Concen: 70.44 ng m
RT: 14.46 min Scan# 1126
Delta R.T. 0.01 min
Lab File: BF081511.D
Acq: 6 Sep 2015 15:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	10.1	17.1	25.7#



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





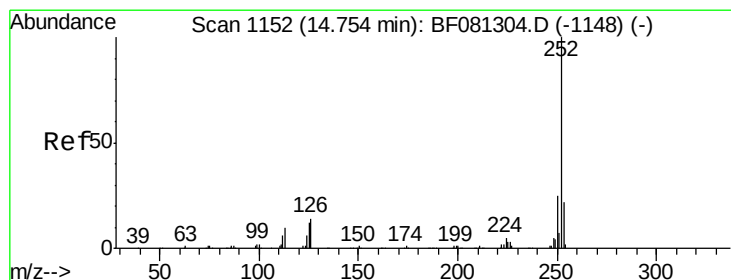
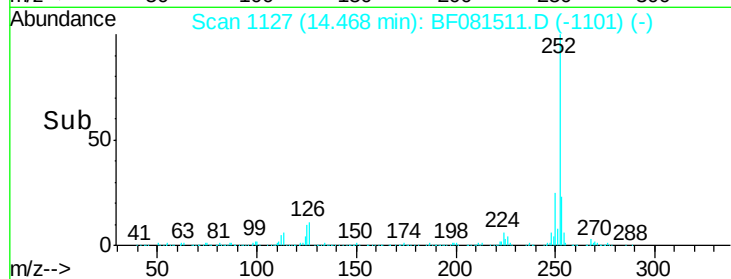
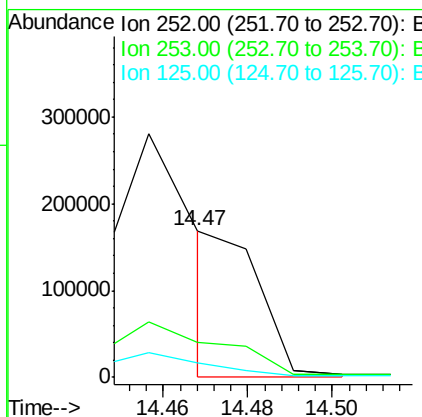
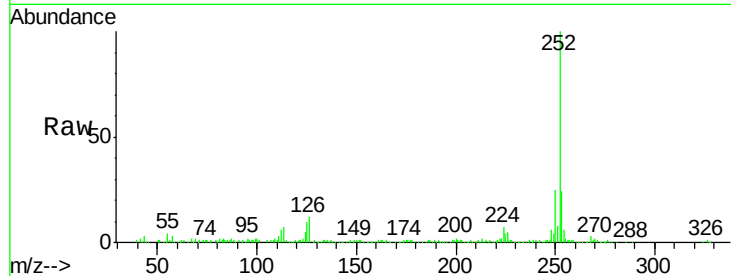
#88
Benzo(k)fluoranthene
Concen: 23.13 ng m
RT: 14.47 min Scan# 1127
Delta R.T. -0.00 min
Lab File: BF081511.D
Acq: 6 Sep 2015 15:49

Instrument :
BNA_F
ClientSampleId :
SB002

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	109235		
253	23.9	17.0	25.4	
125	10.1	16.0	24.0	

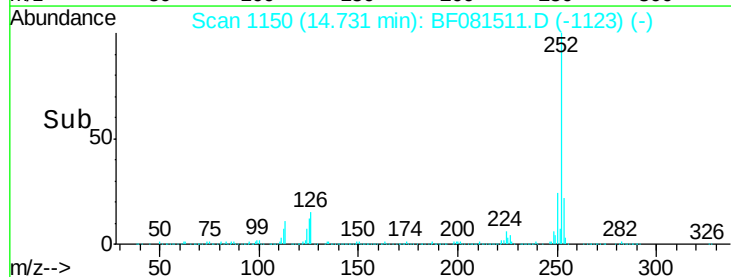
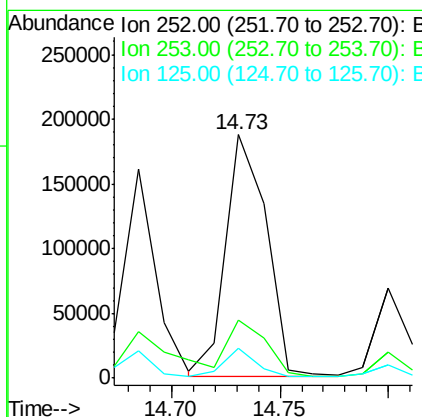
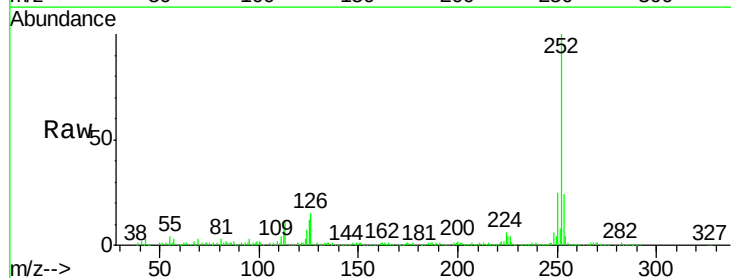
Manual Integrations
APPROVED

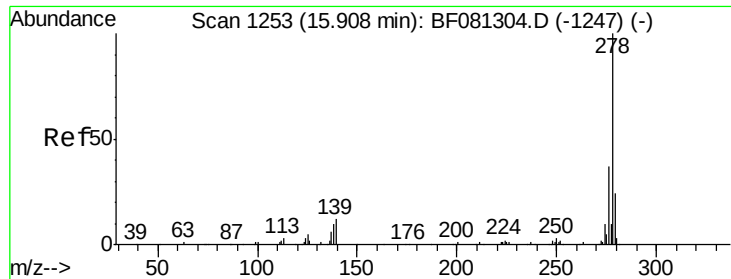
MMDadoda
9/8/2015 3:58:37 PM



#89
Benzo(a)pyrene
Concen: 50.59 ng
RT: 14.73 min Scan# 1150
Delta R.T. 0.01 min
Lab File: BF081511.D
Acq: 6 Sep 2015 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	243943		
253	23.9	17.2	25.8	
125	12.5	18.0	27.0	





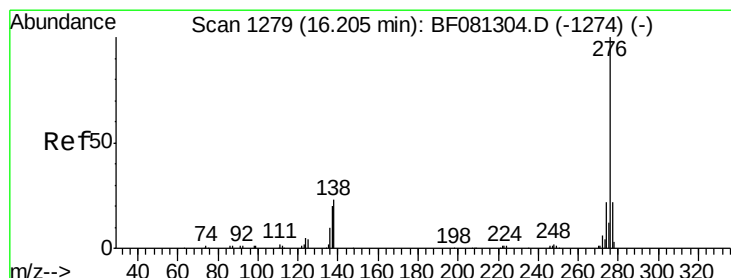
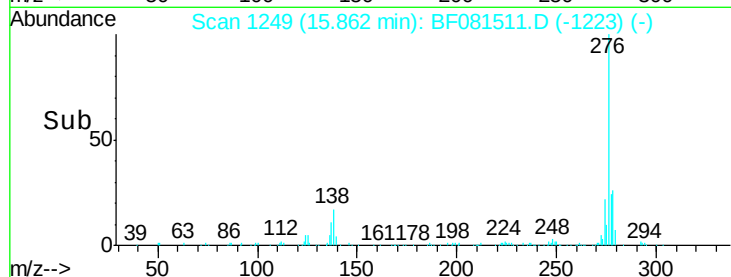
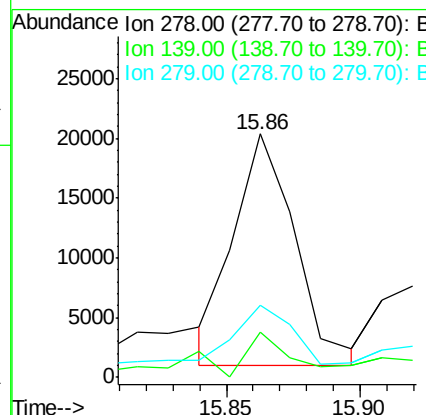
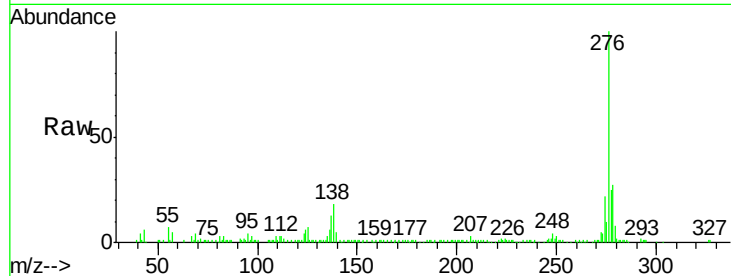
#90
Dibenzo(a,h)anthracene
Concen: 8.31 ng m
RT: 15.86 min Scan# 1249
Delta R.T. -0.00 min
Lab File: BF081511.D
Acq: 6 Sep 2015 15:49

Instrument :
BNA_F
ClientSampled :
SB002

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.4	26.3	39.5#
279	29.8	18.2	27.4#

Manual Integrations
APPROVED

MMDadoda
9/8/2015 3:58:37 PM



#91
Benzo(g,h,i)perylene
Concen: 30.20 ng
RT: 16.18 min Scan# 1277
Delta R.T. 0.01 min
Lab File: BF081511.D
Acq: 6 Sep 2015 15:49

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	17.8	26.6
138	17.8	34.6	51.8#

