

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060616\
 Data File : BF087758.D
 Acq On : 6 Jun 2016 18:15
 Operator : UM/SJ
 Sample : H3382-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-COMP

Manual Integrations
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Quant Time: Jun 07 01:39:04 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 04 11:07:28 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	104136	20.00	ng	-0.02
21) Naphthalene-d8	8.14	136	432247	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	167246	20.00	ng	-0.02
63) Phenanthrene-d10	11.37	188	279471	20.00	ng	-0.01
75) Chrysene-d12	14.00	240	210791	20.00	ng	-0.02
86) Perylene-d12	15.43	264	172394	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	649684	100.84	ng	0.00
7) Phenol-d6	6.49	99	938274	116.12	ng	0.00
23) Nitrobenzene-d5	7.42	82	547539	73.29	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	152703	90.96	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	898504	81.31	ng	-0.02
78) Terphenyl-d14	12.96	244	651201	75.38	ng	-0.01
Target Compounds						Qvalue
48) Acenaphthylene	9.75	152	64666	3.84	ng	99
49) Dimethylphthalate	9.61	163	69459	5.71	ng	98
70) Phenanthrene	11.39	178	303985	20.06	ng	99
71) Anthracene	11.44	178	61363	4.04	ng	99
72) Carbazole	11.60	167	30305	2.11	ng	98
74) Fluoranthene	12.58	202	561666	37.67	ng	96
77) Pyrene	12.81	202	427683	28.49	ng	98
80) Benzo(a)anthracene	13.99	228	283335m	23.29	ng	
82) Chrysene	14.02	228	196698	16.24	ng	97
85) Indeno(1,2,3-cd)pyrene	16.81	276	99488	9.94	ng	# 100
87) Benzo(b)fluoranthene	15.02	252	257972m	23.00	ng	
88) Benzo(k)fluoranthene	15.03	252	115802m	12.41	ng	
89) Benzo(a)pyrene	15.36	252	160816	17.06	ng	99
90) Dibenzo(a,h)anthracene	16.82	278	26517	3.31	ng	94
91) Benzo(a,h,i)perylene	17.22	276	85792	10.60	ng	99

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

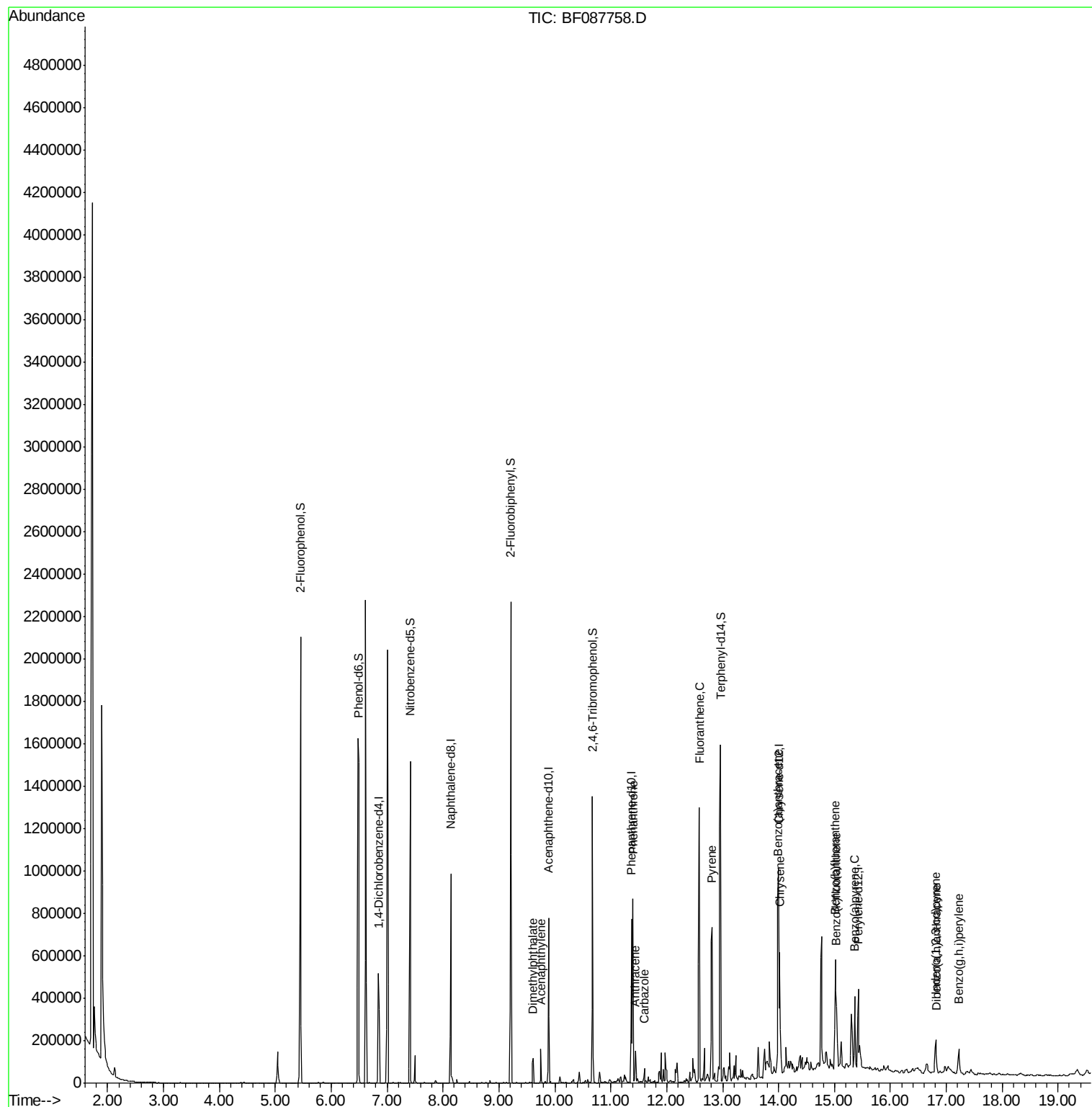
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060616\
Data File : BF087758.D
Acq On : 6 Jun 2016 18:15
Operator : UM/SJ
Sample : H3382-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

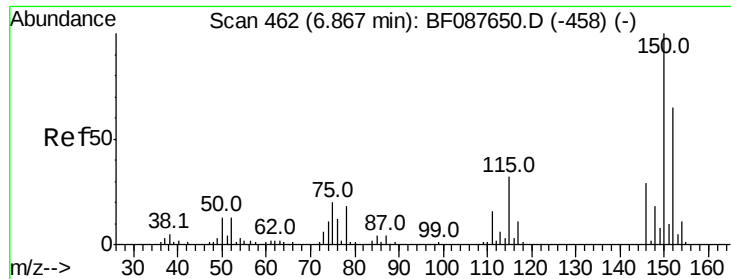
Instrument :
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#1

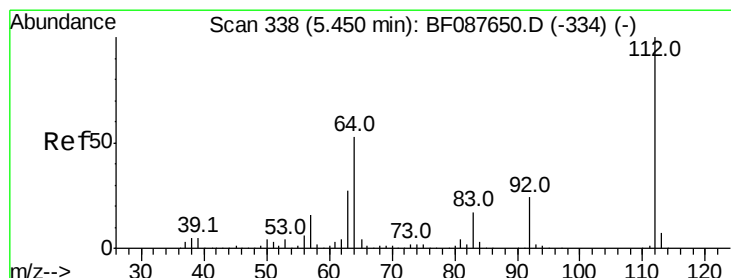
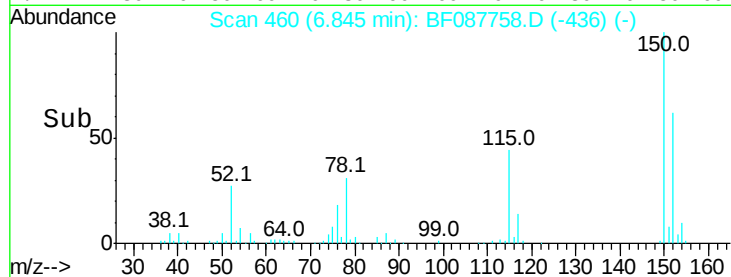
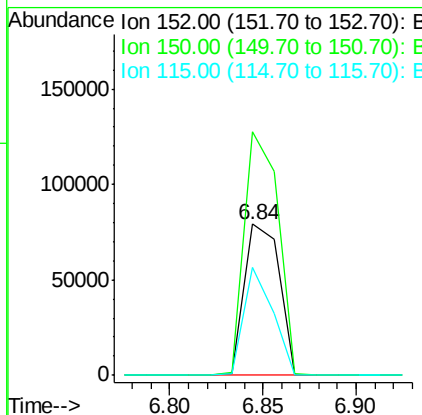
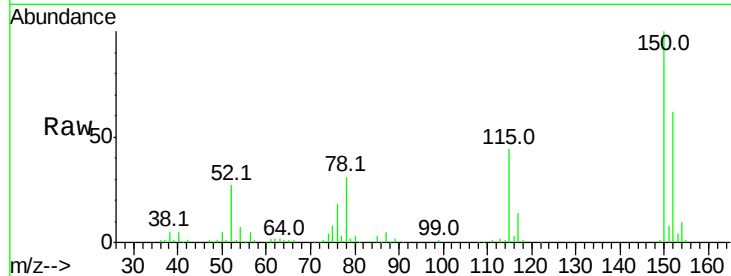
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.84 min Scan# 460
Delta R.T. -0.02 min
Lab File: BF087758.D
Acq: 6 Jun 2016 18:15

Instrument :
BNA_F
ClientSampleId :
SB-02-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.2	123.8	185.6
115	71.3	39.6	59.4

Manual Integrations
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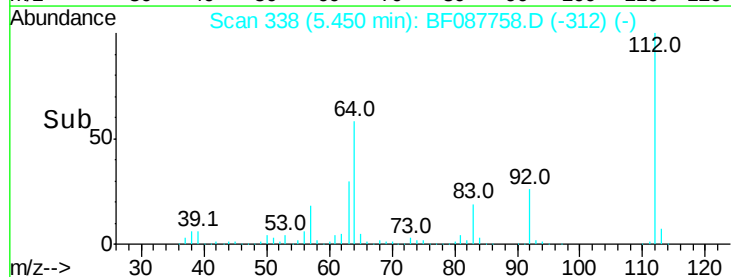
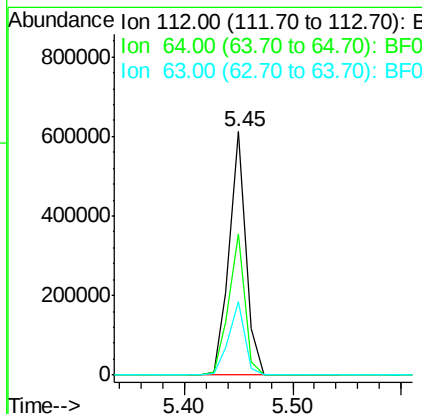
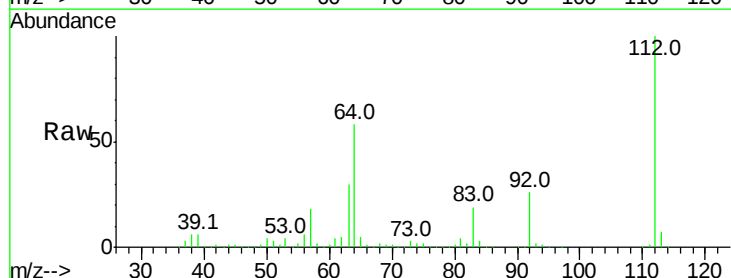
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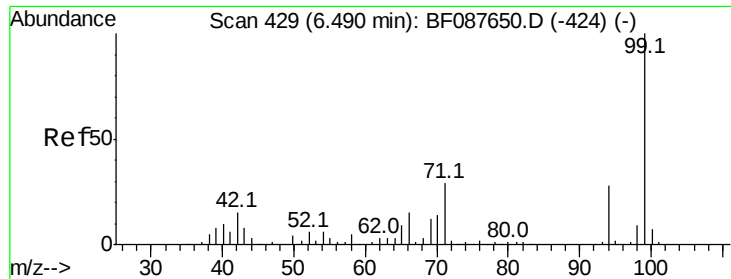


#5

2-Fluorophenol
Concen: 100.84 ng
RT: 5.45 min Scan# 338
Delta R.T. 0.00 min
Lab File: BF087758.D
Acq: 6 Jun 2016 18:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.2	42.2	63.2
63	30.3	21.8	32.8





#7

Phenol-d6

Concen: 116.12 ng

RT: 6.49 min Scan# 429

Delta R.T. -0.00 min

Lab File: BF087758.D

Acq: 6 Jun 2016 18:15

Instrument :

BNA_F

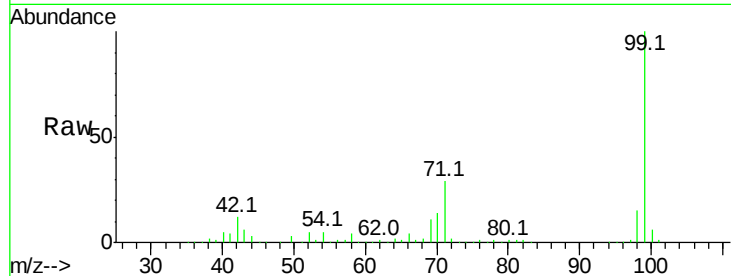
ClientSampleId :

SB-02-COMP

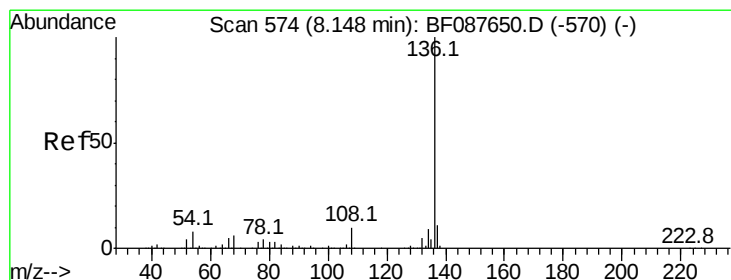
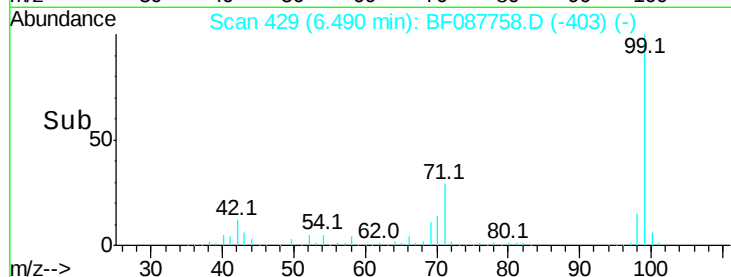
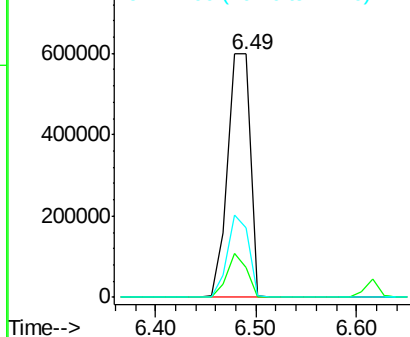
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		938274		
42	12.3	12.2	18.2		
71	28.7	23.4	35.0		

Manual Integrations
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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: 8.14 min Scan# 573

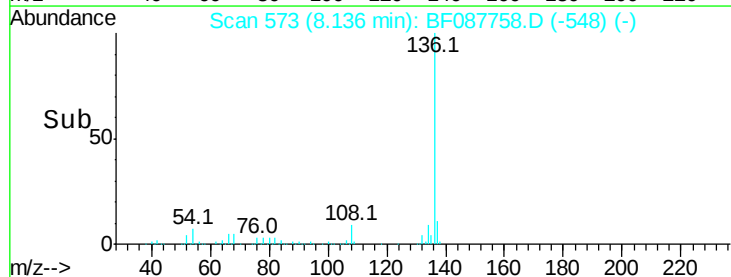
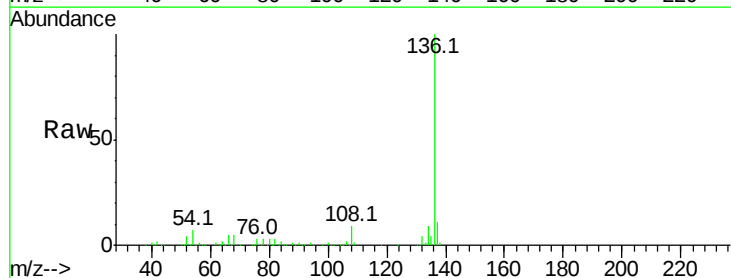
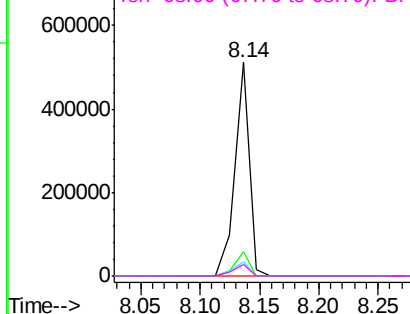
Delta R.T. -0.01 min

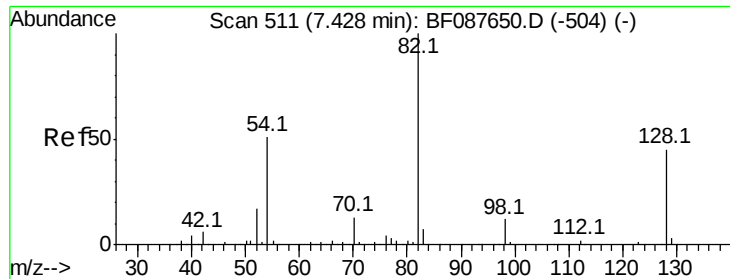
Lab File: BF087758.D

Acq: 6 Jun 2016 18:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		432247		
137	11.2	9.1	13.7		
54	6.7	6.6	10.0		
68	5.5	5.1	7.7		

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





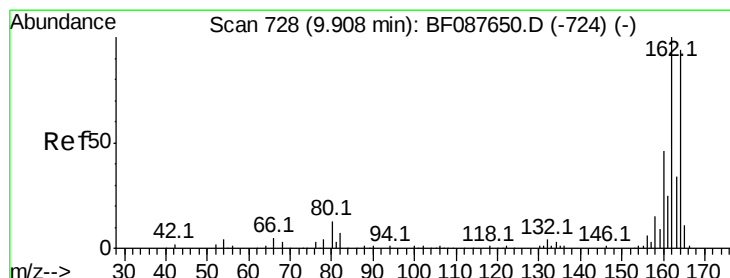
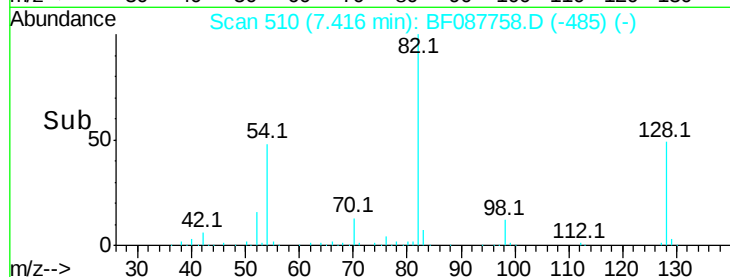
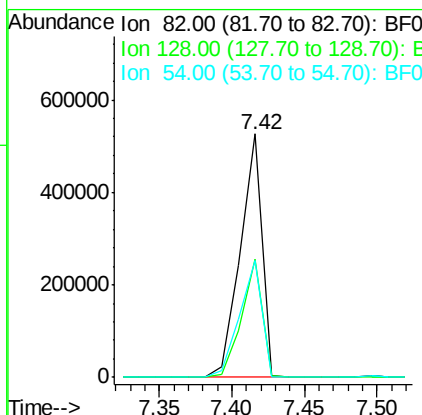
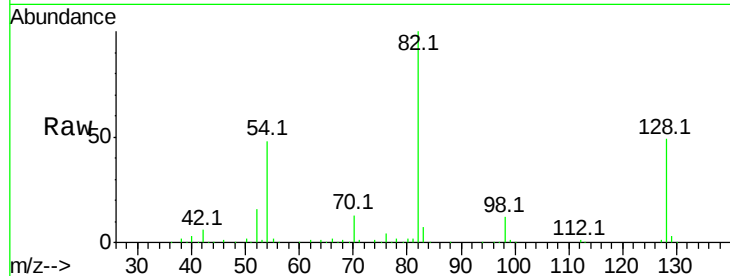
#23
 Nitrobenzene-d5
 Concen: 73.29 ng
 RT: 7.42 min Scan# 510
 Delta R.T. -0.01 min
 Lab File: BF087758.D
 Acq: 6 Jun 2016 18:15

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-COMP

Tot Ion	Ratio	Resp	Lower	Upper
82	100	547539		
128	48.8	35.9	53.9	
54	48.1	40.9	61.3	

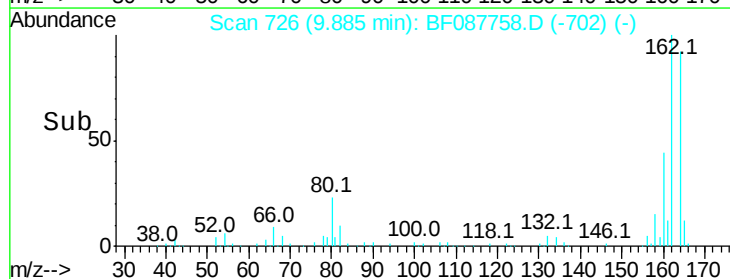
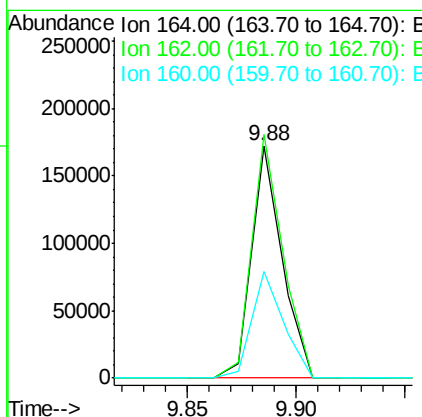
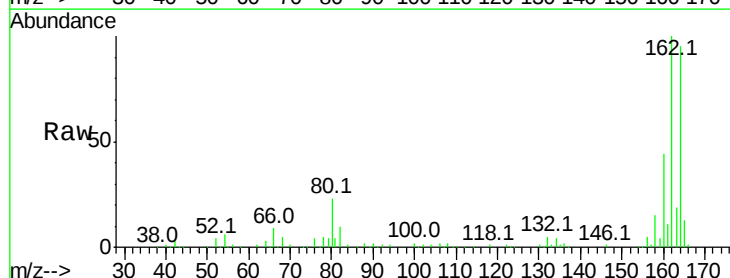
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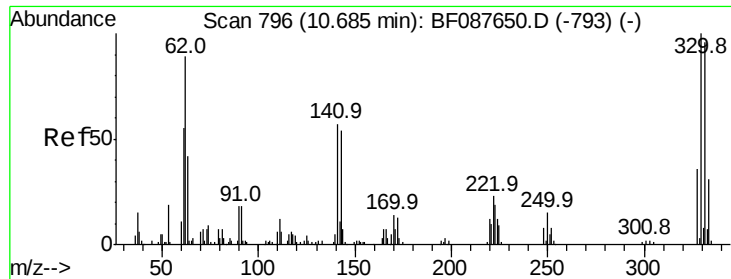
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 726
 Delta R.T. -0.02 min
 Lab File: BF087758.D
 Acq: 6 Jun 2016 18:15

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	167246		
162	104.9	85.4	128.2	
160	45.9	39.5	59.3	





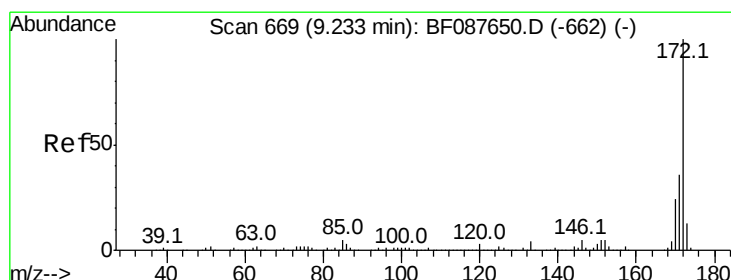
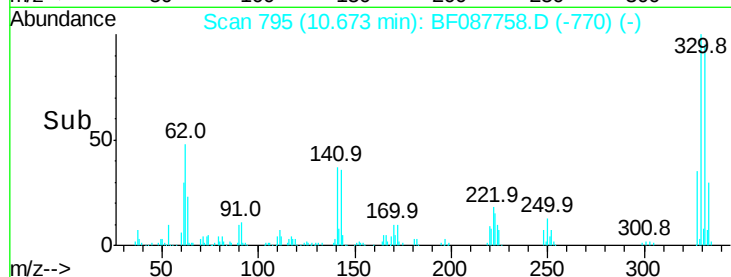
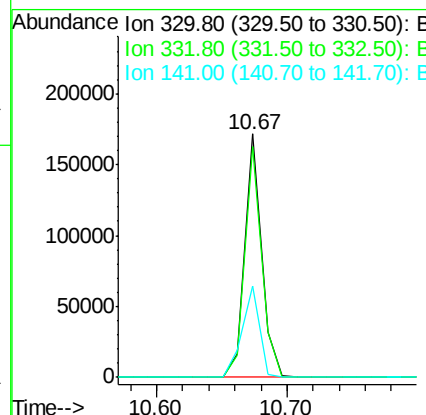
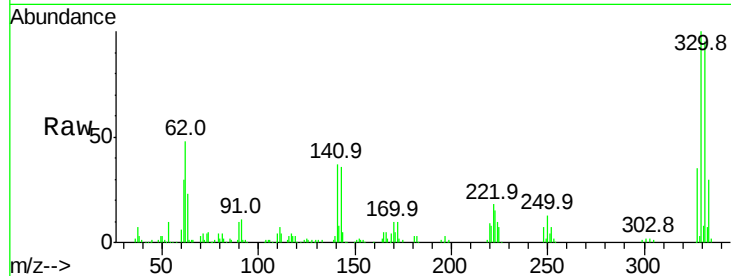
#41
 2,4,6-Tribromophenol
 Concen: 90.96 ng
 RT: 10.67 min Scan# 795
 Delta R.T. -0.01 min
 Lab File: BF087758.D
 Acq: 6 Jun 2016 18:15

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-COMP

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	95.1	0.0	0.0#
141	38.5	0.0	0.0#

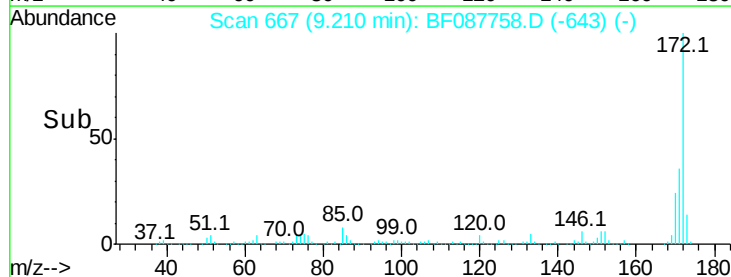
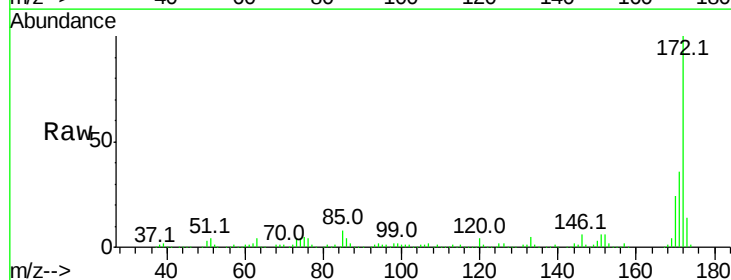
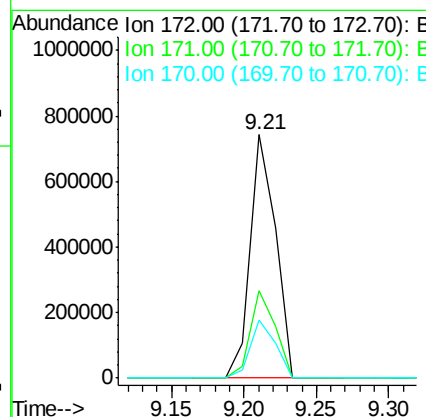
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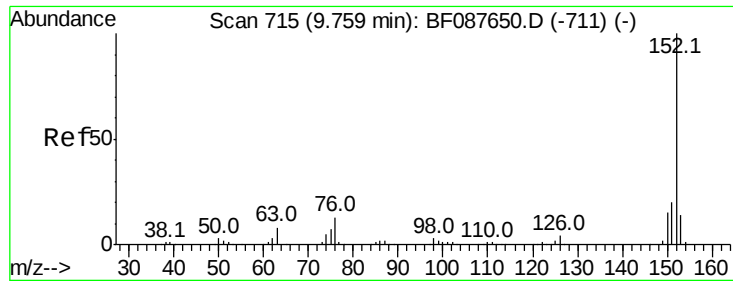
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#44
 2-Fluorobiphenyl
 Concen: 81.31 ng
 RT: 9.21 min Scan# 667
 Delta R.T. -0.02 min
 Lab File: BF087758.D
 Acq: 6 Jun 2016 18:15

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	35.7	28.6	43.0
170	23.9	19.2	28.8





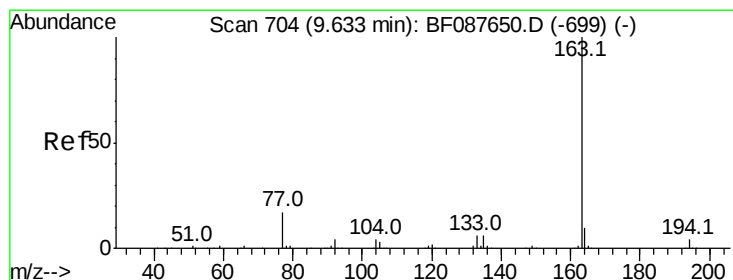
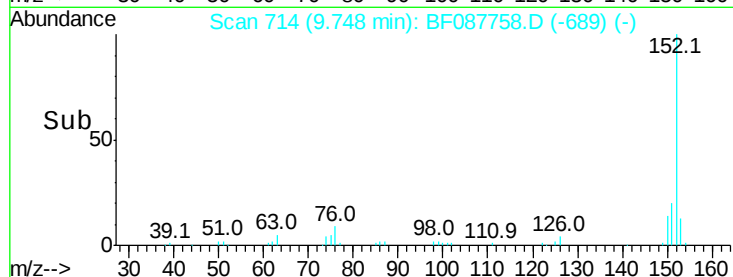
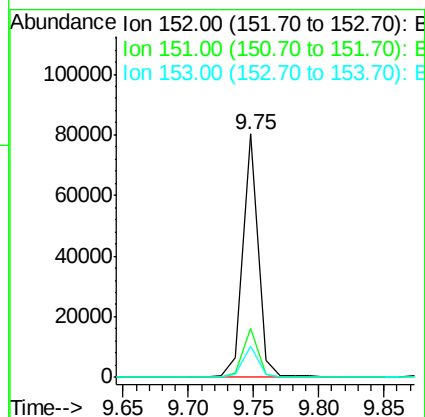
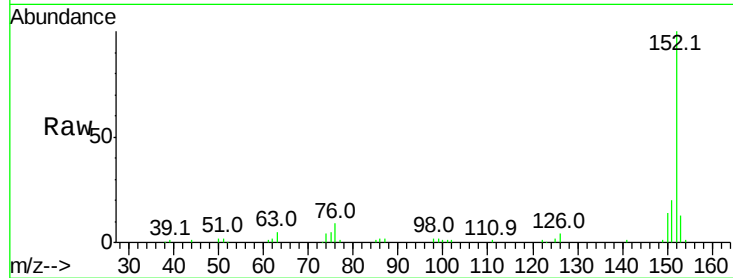
#48
Acenaphthylene
Concen: 3.84 ng
RT: 9.75 min Scan# 714
Delta R.T. -0.01 min
Lab File: BF087758.D
Acq: 6 Jun 2016 18:15

Instrument :
BNA_F
ClientSampleId :
SB-02-COMP

Tot Ion:	152	Resp:	64666
Ion Ratio	Lower	Upper	
152	100		
151	19.9	16.2	24.4
153	12.8	11.0	16.6

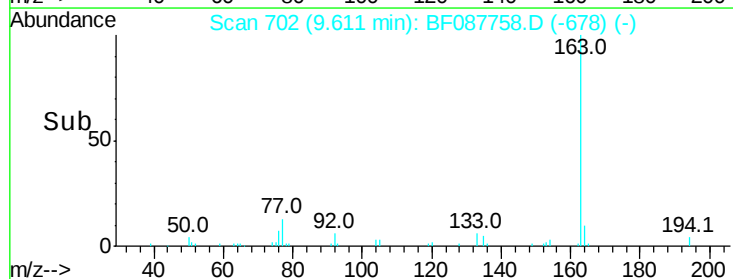
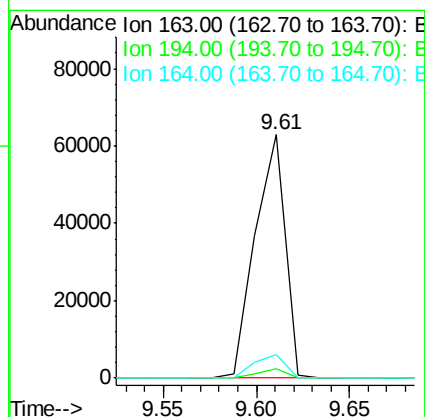
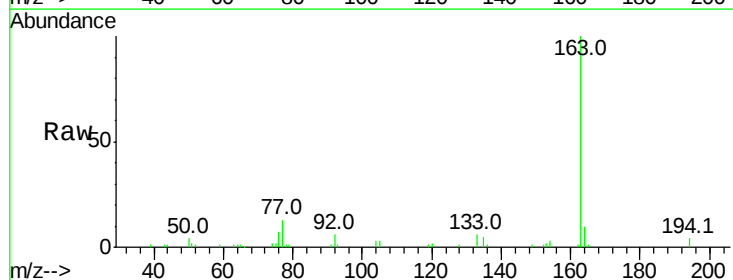
Manual Integrations
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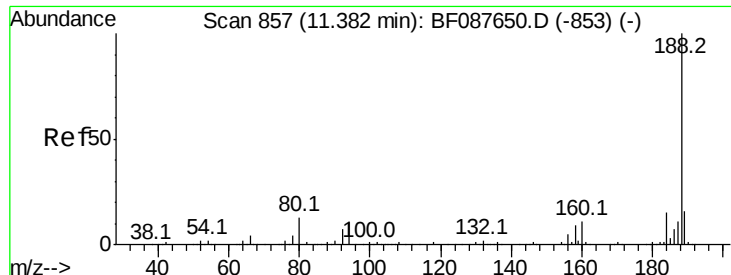
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#49
Dimethylphthalate
Concen: 5.71 ng
RT: 9.61 min Scan# 702
Delta R.T. -0.02 min
Lab File: BF087758.D
Acq: 6 Jun 2016 18:15

Tgt Ion:	163	Resp:	69459
Ion Ratio	Lower	Upper	
163	100		
194	3.9	2.8	4.2
164	9.5	8.3	12.5





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.37 min Scan# 856

Delta R.T. -0.01 min

Lab File: BF087758.D

Acq: 6 Jun 2016 18:15

Instrument :

BNA_F

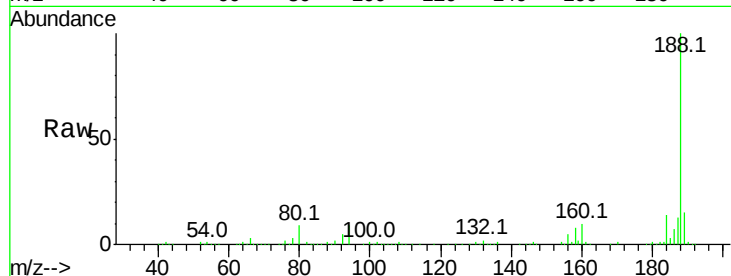
ClientSampleId :

SB-02-COMP

Tot Ion:188	Resp:	279471
Ion Ratio	Lower	Upper
188 100		
94 8.9	9.0	13.6#
80 8.8	10.0	15.0#

Manual Integrations
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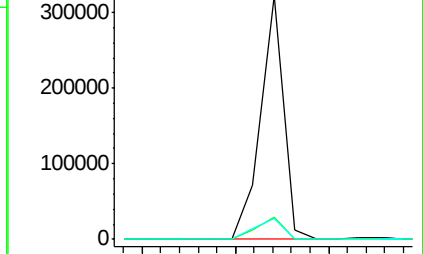
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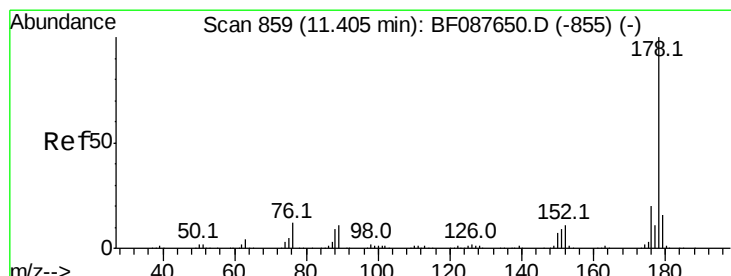
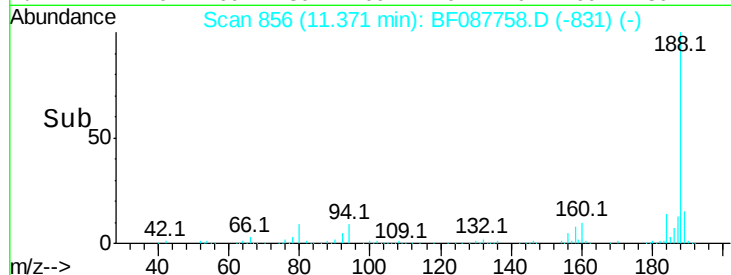
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time-->



#70

Phenanthrene

Concen: 20.06 ng

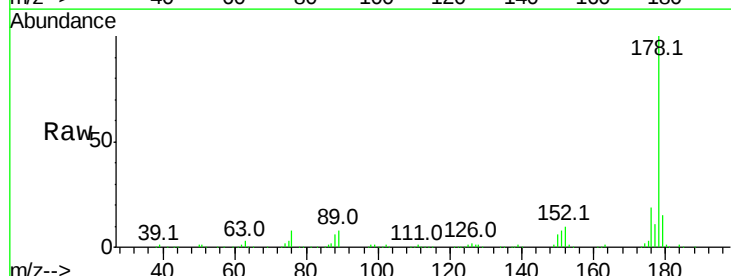
RT: 11.39 min Scan# 858

Delta R.T. -0.01 min

Lab File: BF087758.D

Acq: 6 Jun 2016 18:15

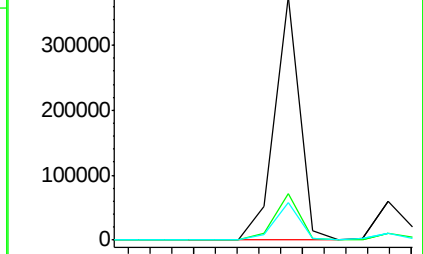
Tgt Ion:178	Resp:	303985
Ion Ratio	Lower	Upper
178 100		
176 19.3	15.8	23.6
179 15.3	13.0	19.4



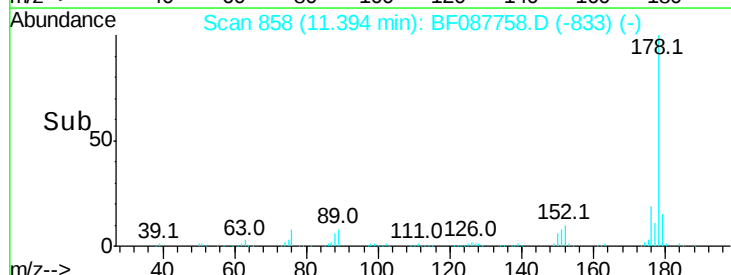
Abundance Ion 178.00 (177.70 to 178.70): E

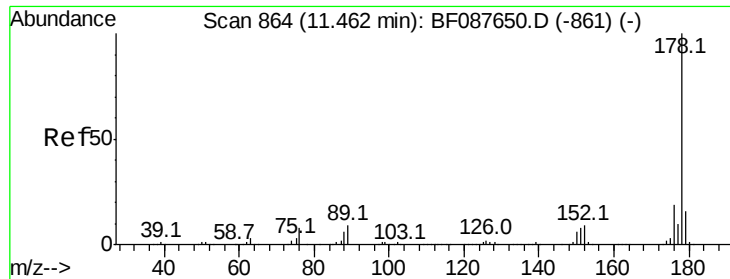
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





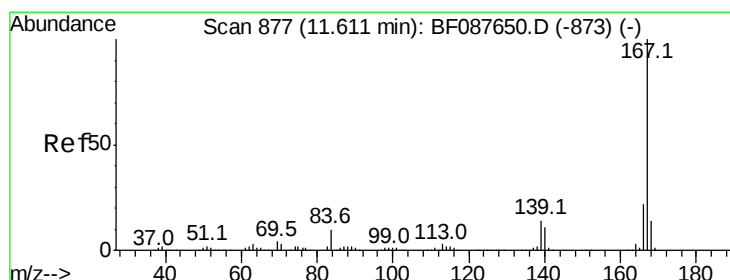
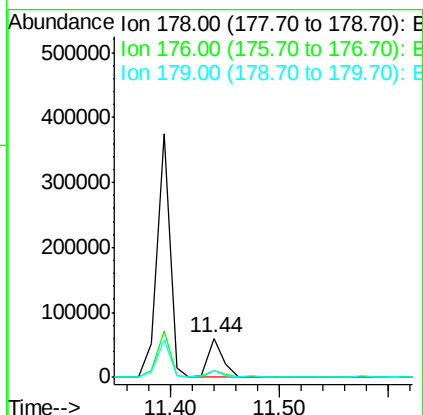
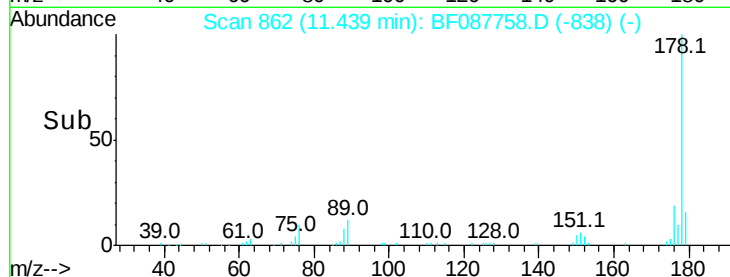
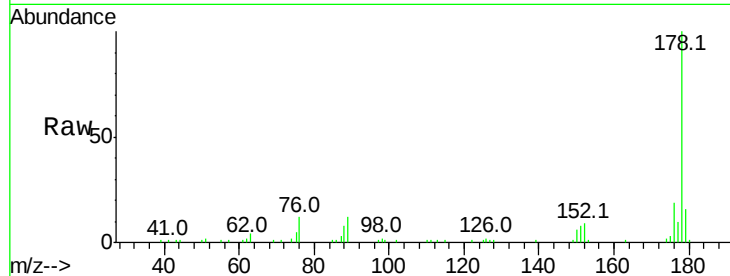
#71
 Anthracene
 Concen: 4.04 ng
 RT: 11.44 min Scan# 862
 Delta R.T. -0.02 min
 Lab File: BF087758.D
 Acq: 6 Jun 2016 18:15

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.6	23.4
179	15.9	12.8	19.2

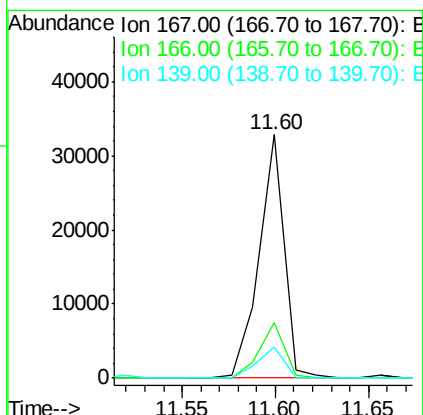
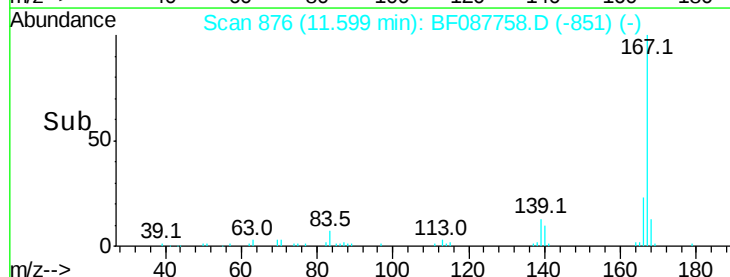
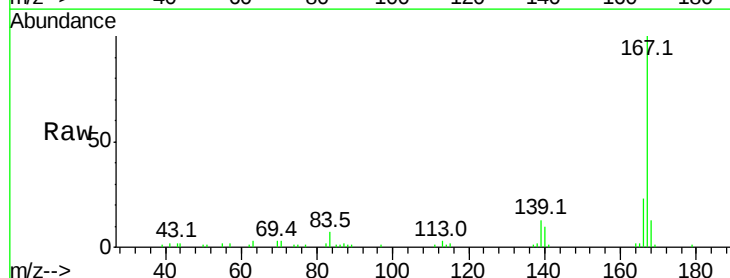
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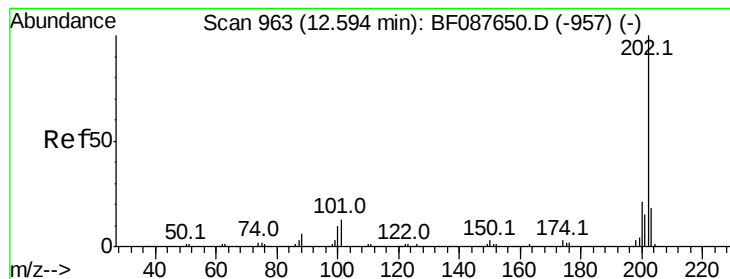
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#72
 Carbazole
 Concen: 2.11 ng
 RT: 11.60 min Scan# 876
 Delta R.T. -0.01 min
 Lab File: BF087758.D
 Acq: 6 Jun 2016 18:15

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.8	17.8	26.6
139	12.9	11.2	16.8





#74

Fluoranthene

Concen: 37.67 ng

RT: 12.58 min Scan# 962

Delta R.T. -0.01 min

Lab File: BF087758.D

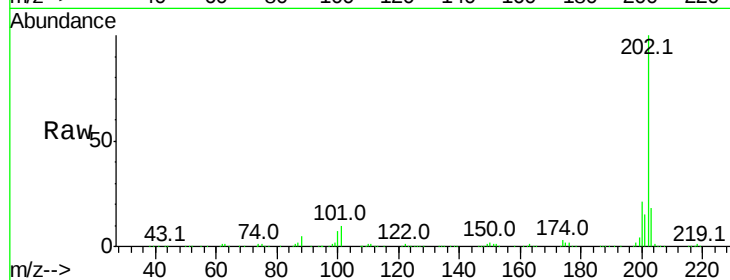
Acq: 6 Jun 2016 18:15

Instrument :

BNA_F

ClientSampleId :

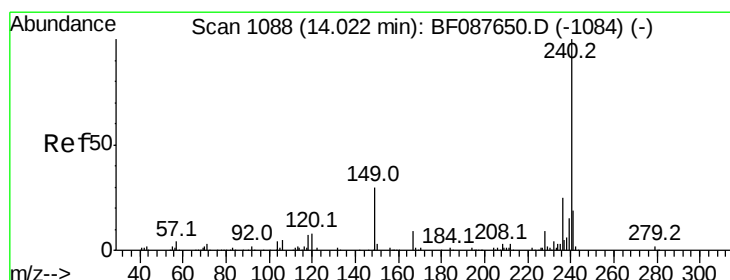
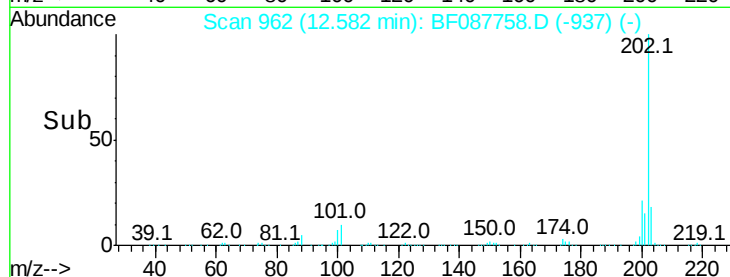
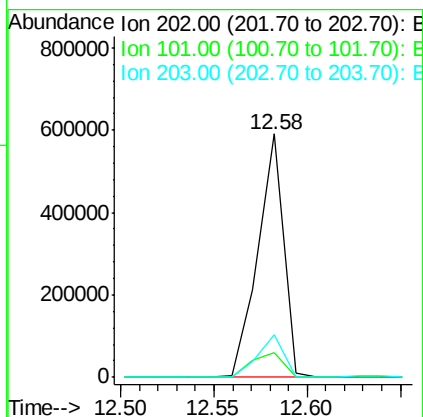
SB-02-COMP



Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	9.9	0.0	33.1		
203	17.8	0.0	38.1		

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#75

Chrysene-d12

Concen: 20.00 ng

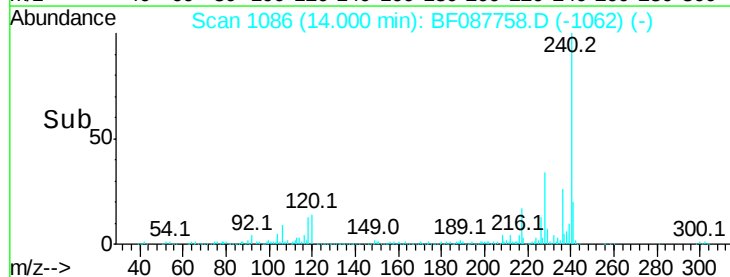
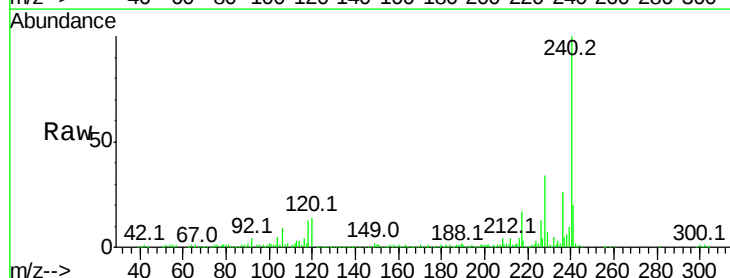
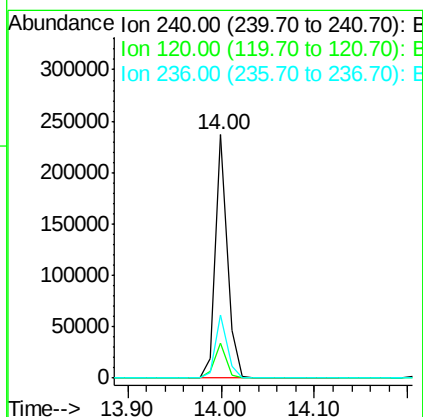
RT: 14.00 min Scan# 1086

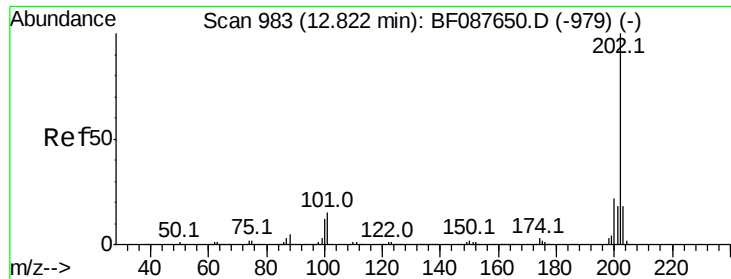
Delta R.T. -0.02 min

Lab File: BF087758.D

Acq: 6 Jun 2016 18:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	14.1	6.8	10.2#		
236	25.9	20.2	30.2		





#77

Pvrene

Concen: 28.49 ng

RT: 12.81 min Scan# 982

Delta R.T. -0.01 min

Lab File: BF087758.D

Acq: 6 Jun 2016 18:15

Instrument :

BNA_F

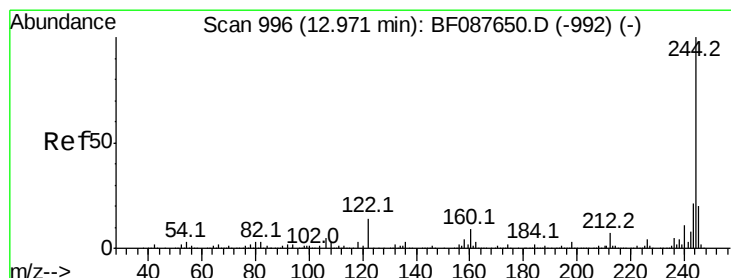
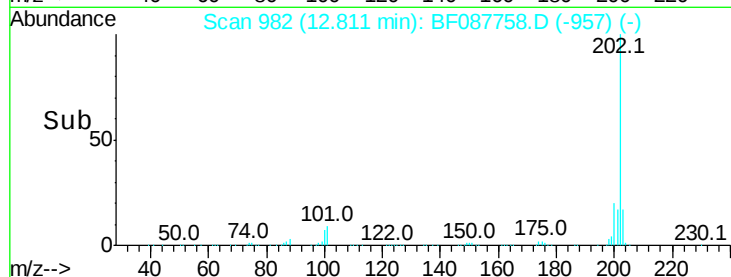
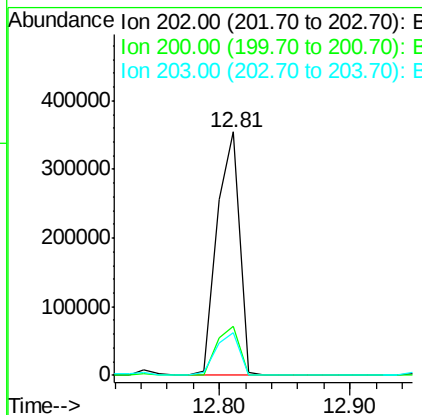
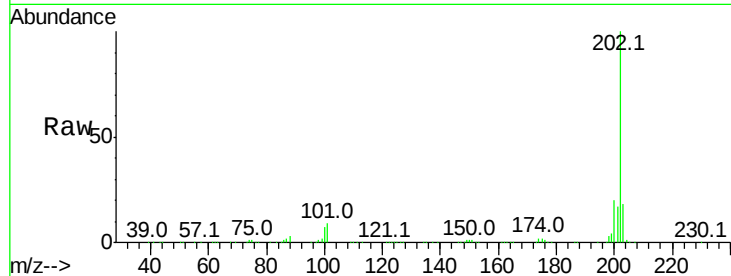
ClientSampleId :

SB-02-COMP

Tot Ion:	202	Resp:	427683
Ion Ratio	Lower	Upper	
202	100		
200	20.4	17.4	26.2
203	17.5	14.5	21.7

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#78

Terphenyl-d14

Concen: 75.38 ng

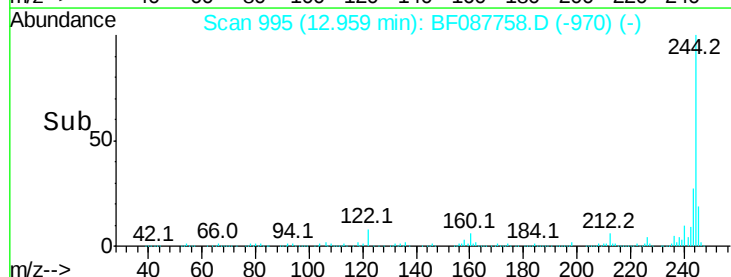
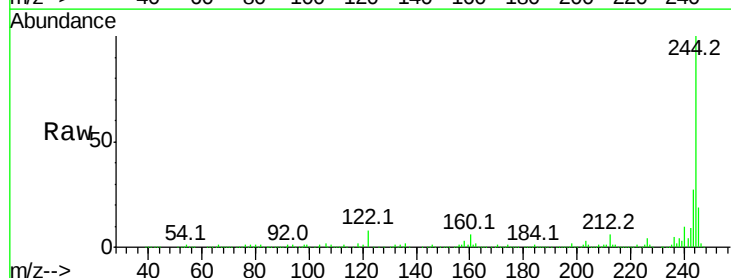
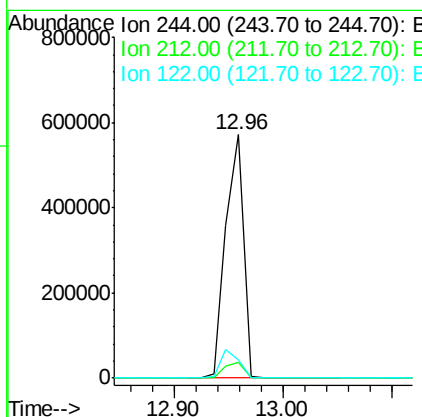
RT: 12.96 min Scan# 995

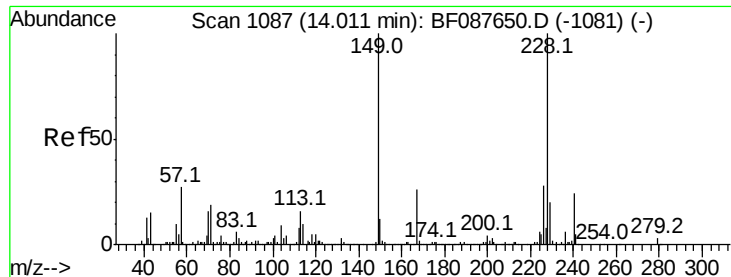
Delta R.T. -0.01 min

Lab File: BF087758.D

Acq: 6 Jun 2016 18:15

Tgt Ion:	244	Resp:	651201
Ion Ratio	Lower	Upper	
244	100		
212	6.4	6.0	9.0
122	7.7	11.2	16.8#





#80

Benzo(a)anthracene

Concen: 23.29 ng

RT: 13.99 min Scan# 1085

Delta R.T. -0.02 min

Lab File: BF087758.D

Acq: 6 Jun 2016 18:15

Instrument :

BNA_F

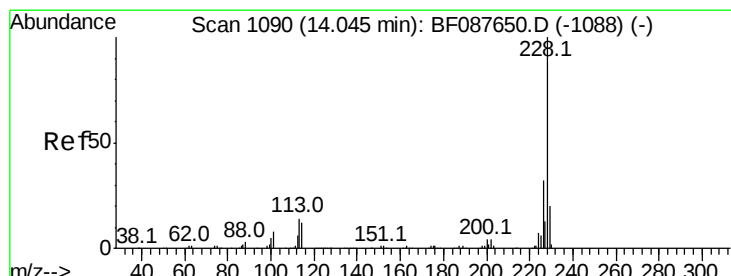
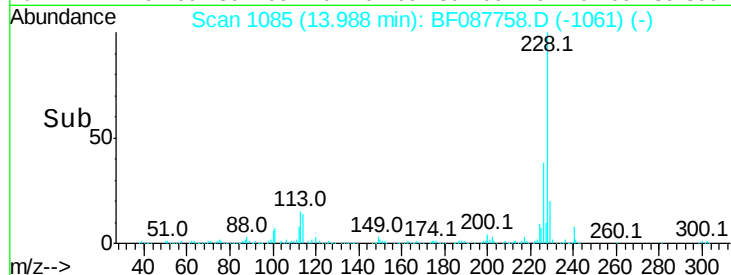
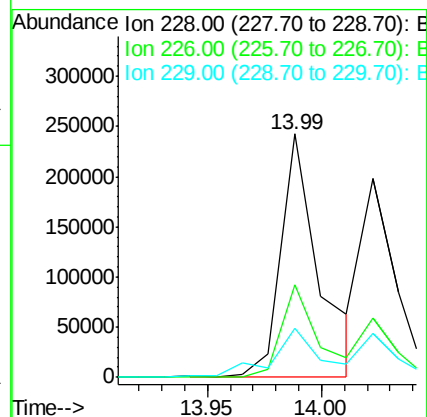
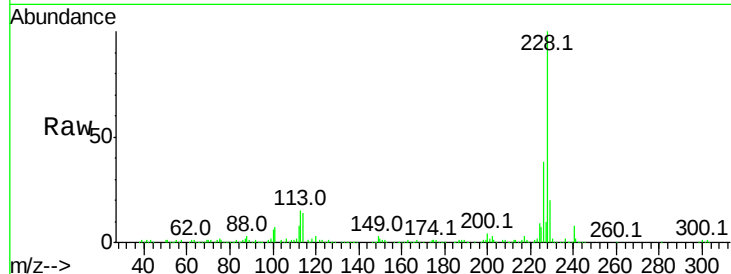
ClientSampleId :

SB-02-COMP

Tot Ion:	228	Resp:	283335
Ion Ratio	Lower	Upper	
228	100		
226	38.1	22.3	33.5#
229	20.2	16.0	24.0

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#82

Chrysene

Concen: 16.24 ng

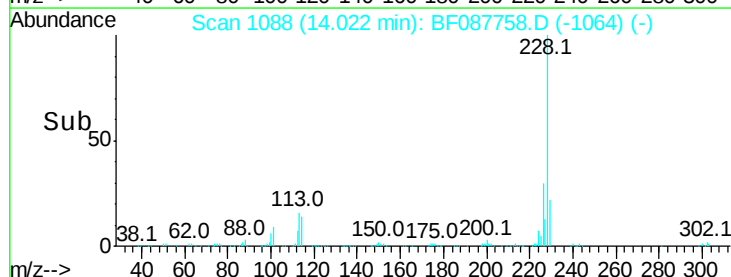
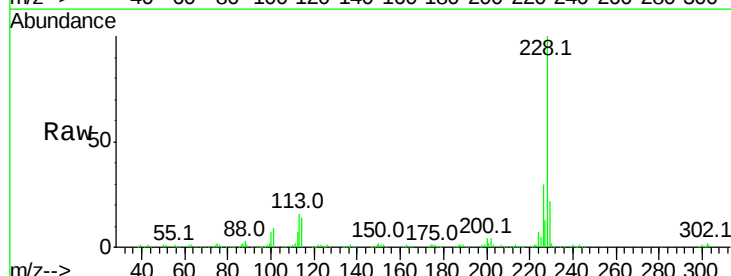
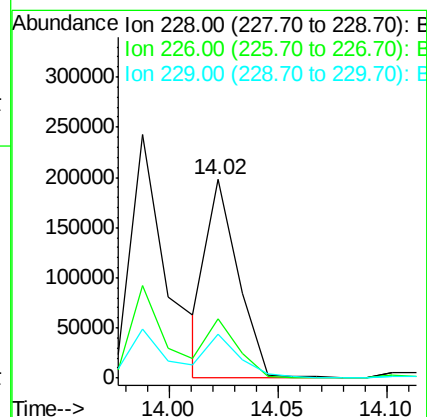
RT: 14.02 min Scan# 1088

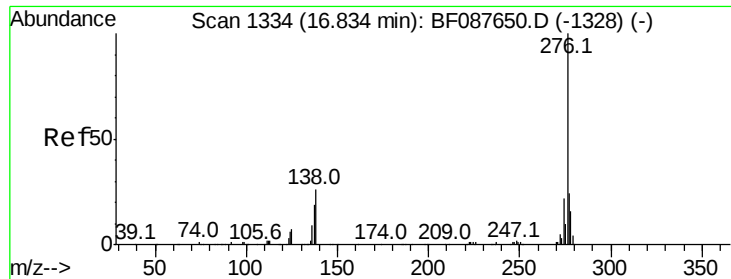
Delta R.T. -0.02 min

Lab File: BF087758.D

Acq: 6 Jun 2016 18:15

Tgt Ion:	228	Resp:	196698
Ion Ratio	Lower	Upper	
228	100		
226	30.0	25.4	38.2
229	22.2	16.3	24.5





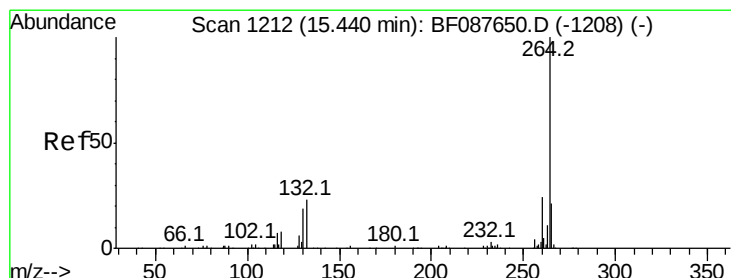
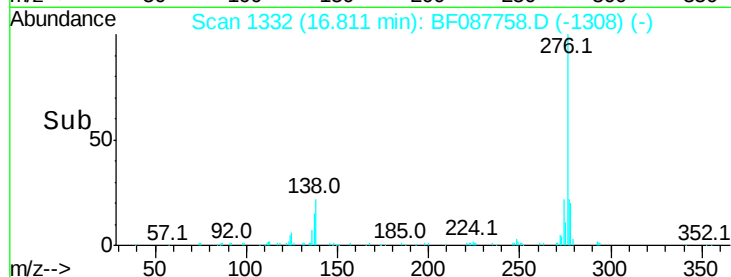
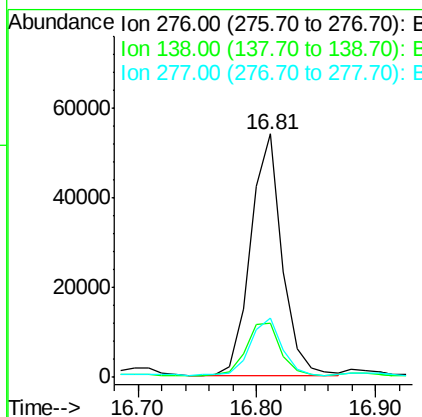
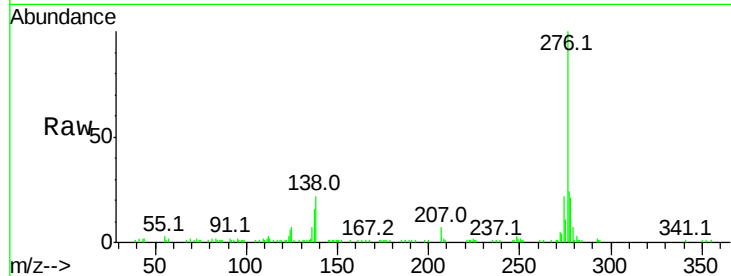
#85
Indeno(1,2,3-cd)pyrene
Concen: 9.94 ng
RT: 16.81 min Scan# 1332
Delta R.T. -0.02 min
Lab File: BF087758.D
Acq: 6 Jun 2016 18:15

Instrument :
BNA_F
ClientSampleId :
SB-02-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.0	0.0	0.0#
277	23.9	0.0	0.0#

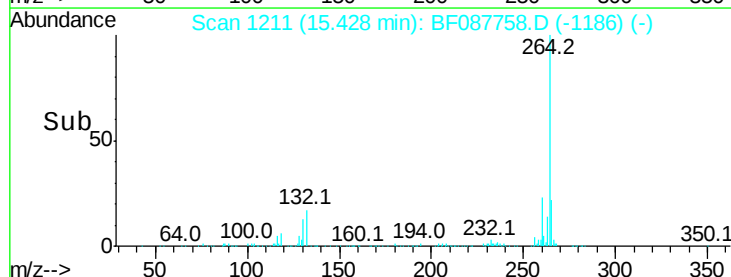
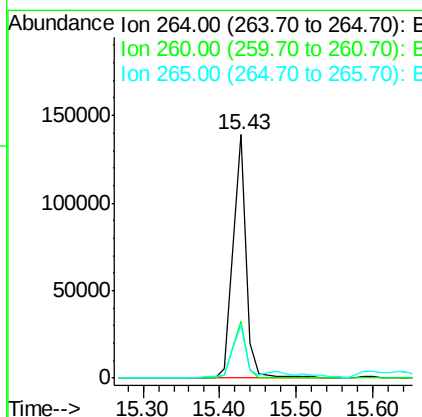
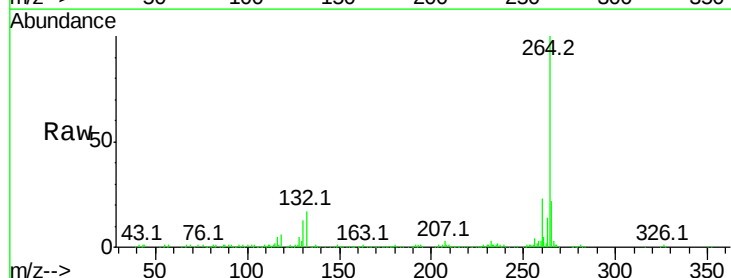
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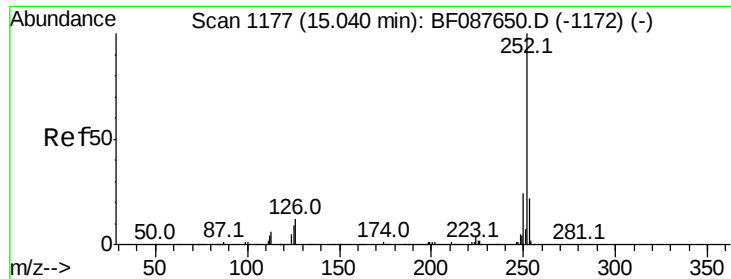
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.43 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF087758.D
Acq: 6 Jun 2016 18:15

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.5	16.9	25.3





#87

Benzo(b)fluoranthene

Concen: 23.00 ng m

RT: 15.02 min Scan# 1175

Delta R.T. -0.02 min

Lab File: BF087758.D

Acq: 6 Jun 2016 18:15

Instrument :

BNA_F

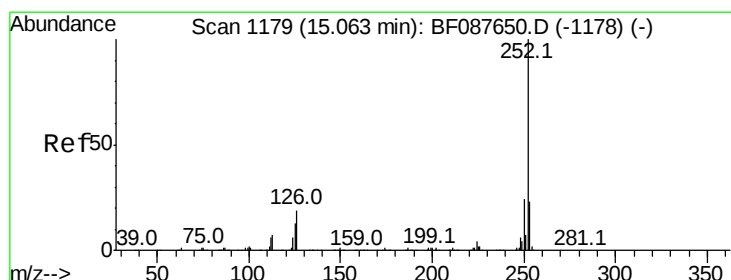
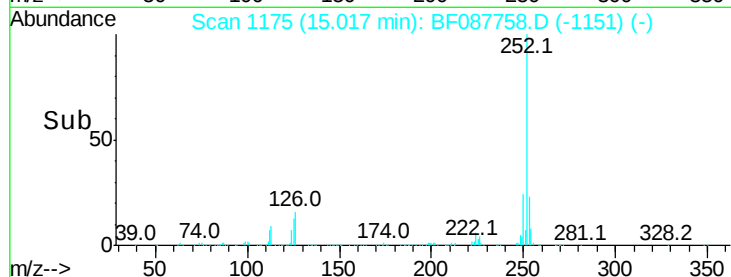
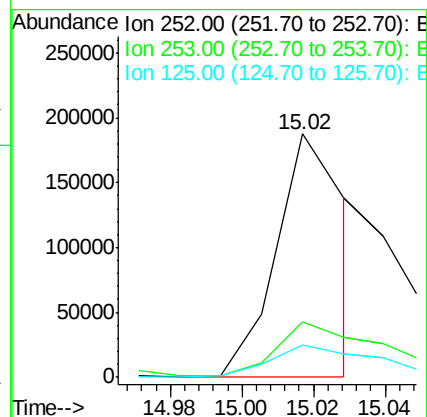
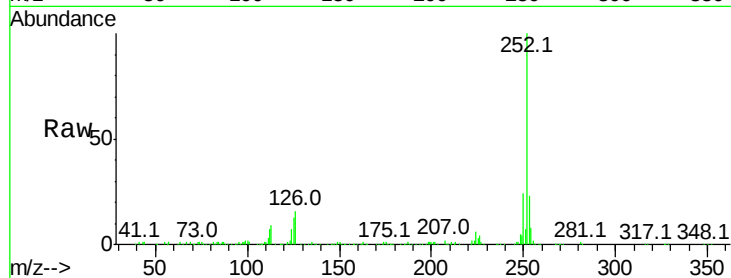
ClientSampleId :

SB-02-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.2
125	13.4	7.1	10.7

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#88

Benzo(k)fluoranthene

Concen: 12.41 ng m

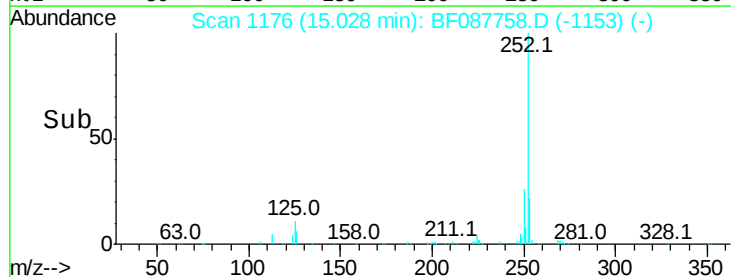
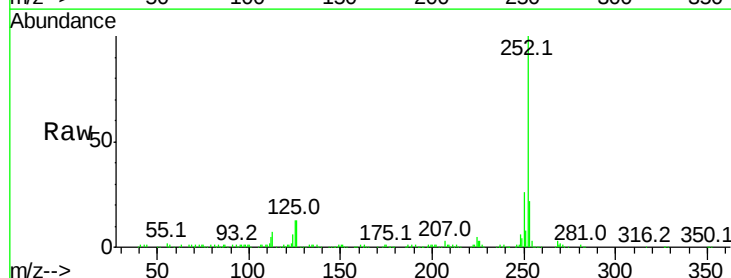
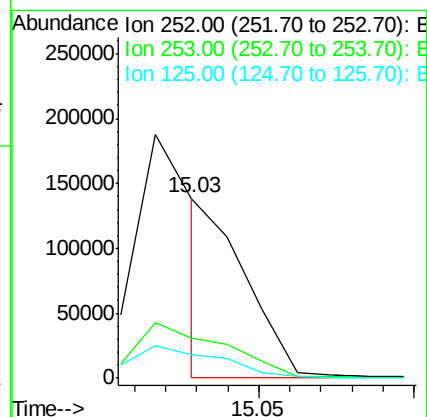
RT: 15.03 min Scan# 1176

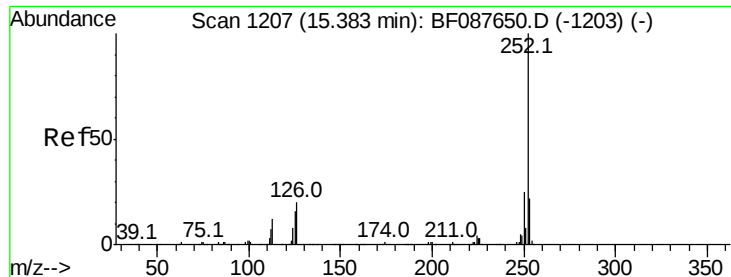
Delta R.T. -0.03 min

Lab File: BF087758.D

Acq: 6 Jun 2016 18:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.0	27.0
125	13.2	11.2	16.8





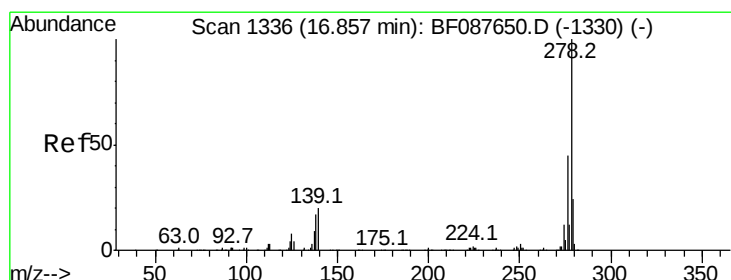
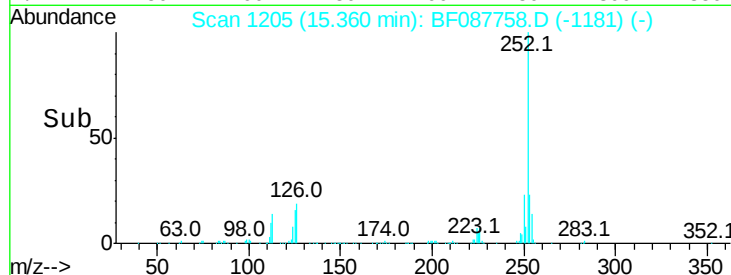
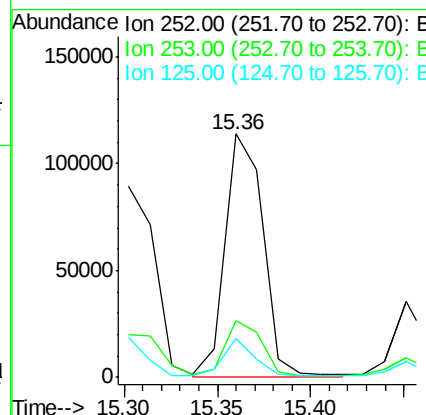
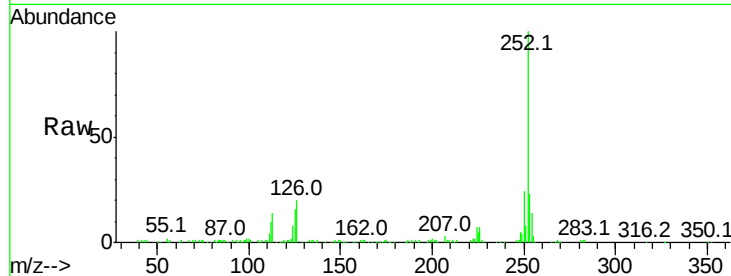
#89
Benzo(a)pyrene
Concen: 17.06 ng
RT: 15.36 min Scan# 1205
Delta R.T. -0.02 min
Lab File: BF087758.D
Acq: 6 Jun 2016 18:15

Instrument :
BNA_F
ClientSampleId :
SB-02-COMP

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.0	17.9	26.9
125	16.0	12.5	18.7

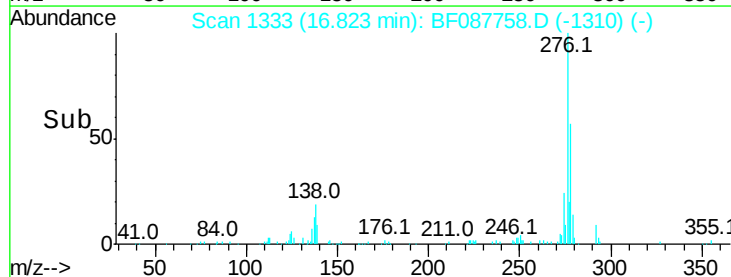
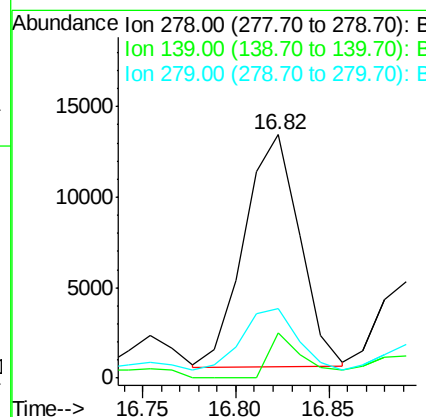
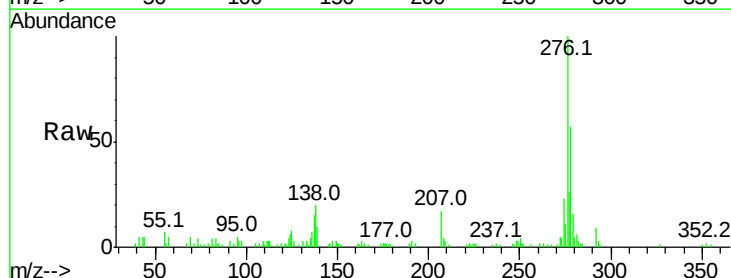
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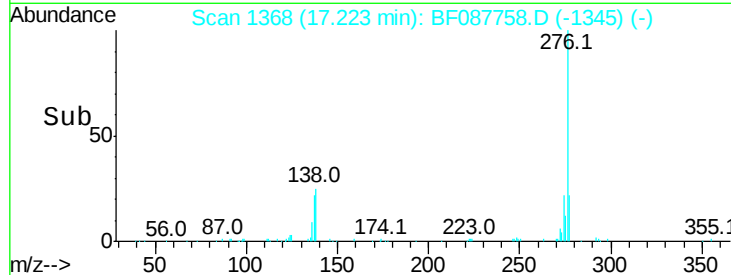
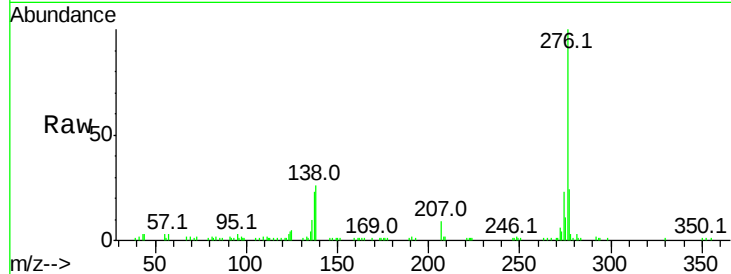
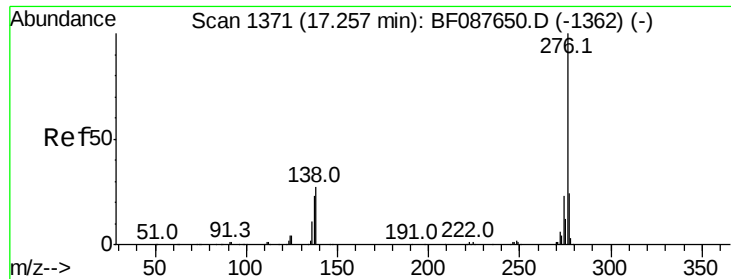
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#90
Dibenzo(a,h)anthracene
Concen: 3.31 ng
RT: 16.82 min Scan# 1333
Delta R.T. -0.03 min
Lab File: BF087758.D
Acq: 6 Jun 2016 18:15

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	18.4	15.7	23.5
279	28.6	19.4	29.2





#91
 Benzo(a,h,i)perylene
 Concen: 10.60 ng
 RT: 17.22 min Scan# 1368
 Delta R.T. -0.03 min
 Lab File: BF087758.D
 Acq: 6 Jun 2016 18:15

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.9	28.3
138	25.9	21.4	32.2

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