

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060616\
 Data File : BF087757.D
 Acq On : 6 Jun 2016 17:45
 Operator : UM/SJ
 Sample : H3267-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STA-TA-1280(0-4)

Manual Integrations
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Quant Time: Jun 07 07:03:06 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	6.86	152	117276	20.00	ng	-0.01
21) Naphthalene-d8	8.14	136	467207	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	178155	20.00	ng	-0.02
63) Phenanthrene-d10	11.37	188	290123	20.00	ng	-0.01
75) Chrysene-d12	14.00	240	224730	20.00	ng	-0.02
86) Perylene-d12	15.43	264	197057	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1027205	141.57	ng	0.01
7) Phenol-d6	6.49	99	1117118	122.77	ng	0.00
23) Nitrobenzene-d5	7.42	82	621536	76.97	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	206012	115.20	ng	-0.01
44) 2-Fluorobiphenyl	9.22	172	1151564	109.52	ng	-0.01
78) Terphenyl-d14	12.96	244	756295	82.12	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.16	128	52658	2.32	ng	98
48) Acenaphthylene	9.75	152	53916	3.00	ng	99
49) Dimethylphthalate	9.61	163	161787	12.49	ng	99
51) Acenaphthene	9.92	154	50490	4.37	ng	99
54) Dibenzofuran	10.09	168	51761	3.29	ng	93
57) Fluorene	10.43	166	51728	4.21	ng	97
70) Phenanthrene	11.39	178	545527	34.68	ng	99
71) Anthracene	11.44	178	143110	9.08	ng	99
72) Carbazole	11.60	167	64810	4.34	ng	98
74) Fluoranthene	12.58	202	773067	49.94	ng	99
77) Pyrene	12.81	202	724402	45.27	ng	100
80) Benzo(a)anthracene	13.99	228	391422	30.18	ng	95
82) Chrysene	14.03	228	301071	23.32	ng	97
85) Indeno(1,2,3-cd)pyrene	16.81	276	139866	13.11	ng	# 100
87) Benzo(b)fluoranthene	15.03	252	456084m	35.58	ng	
88) Benzo(k)fluoranthene	15.04	252	94680m	8.88	ng	
89) Benzo(a)pyrene	15.37	252	240404m	22.31	ng	
90) Dibenzo(a,h)anthracene	16.82	278	36479	3.98	ng	92
91) Benzo(a,h,i)perylene	17.23	276	121986	13.18	ng	94

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

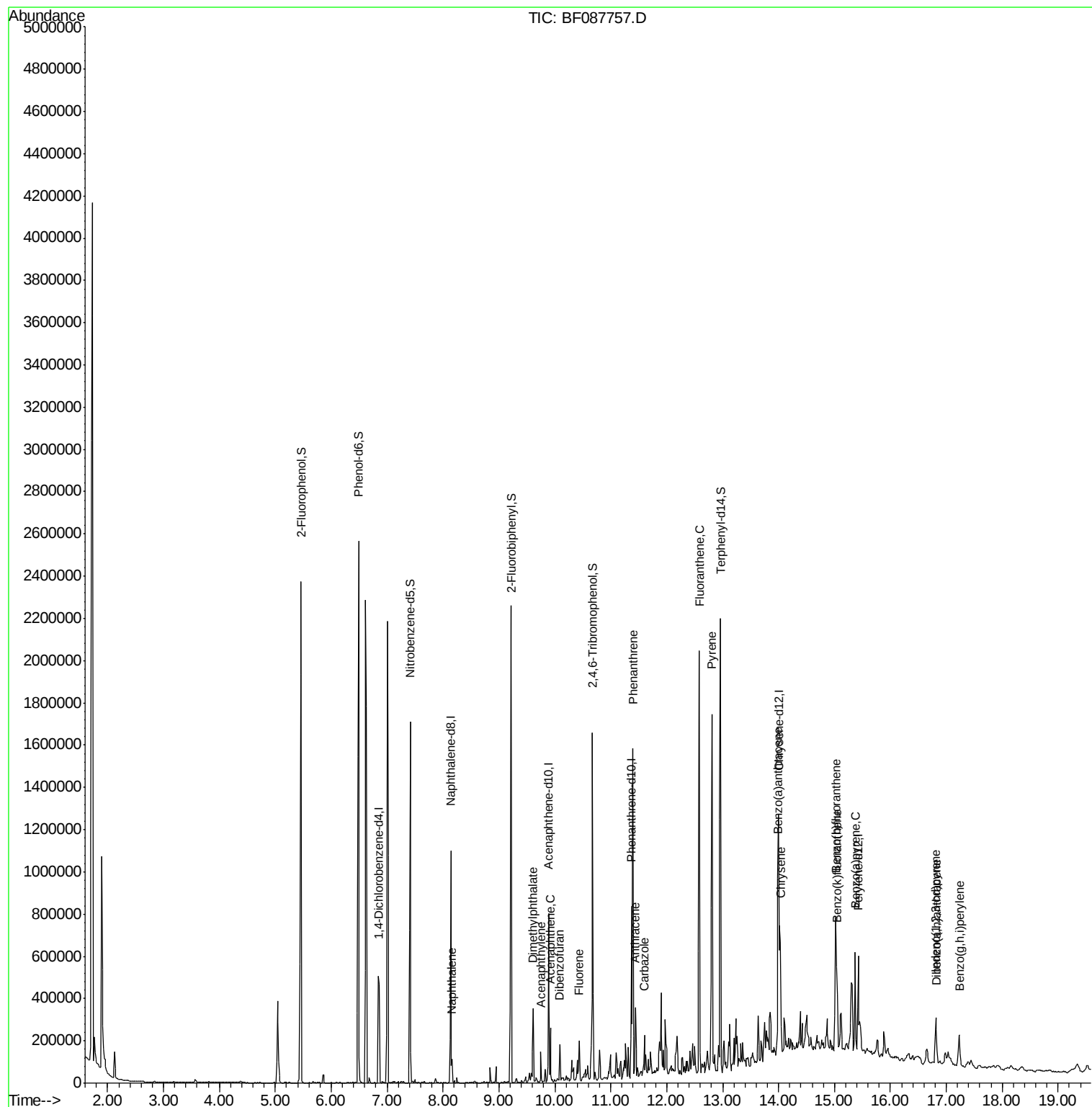
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060616\
Data File : BF087757.D
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ALS Vial : 15 Sample Multiplier: 1

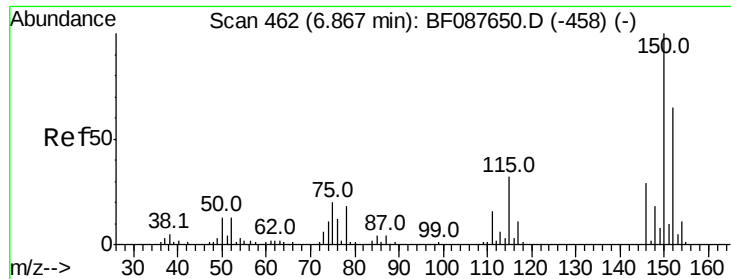
Instrument :
BNA_F
ClientSampleId :
STA-TA-1280(0-4)

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Quant Time: Jun 07 07:03:06 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060416.M
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#1

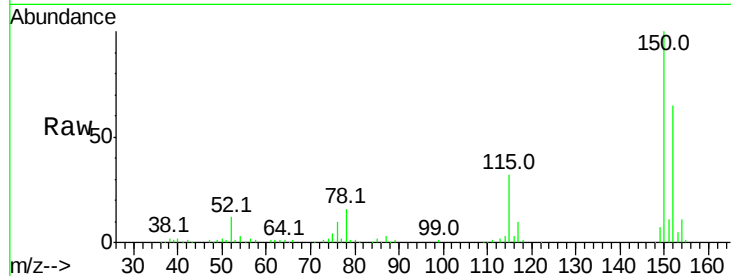
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 461
Delta R.T. -0.01 min
Lab File: BF087757.D
Acq: 6 Jun 2016 17:45

Instrument :
BNA_F
ClientSampleId :
STA-TA-1280(0-4)

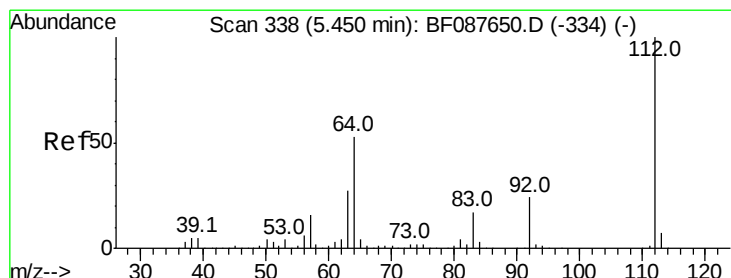
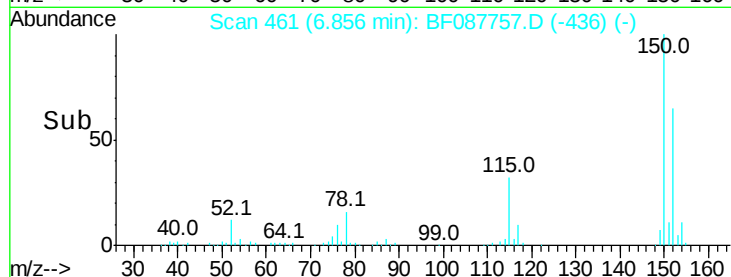
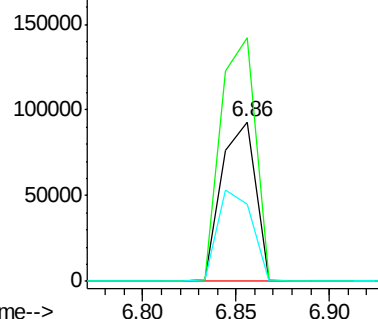
Tot Ion	Ratio	Lower	Upper
152	100		
150	152.7	123.8	185.6
115	48.8	39.6	59.4

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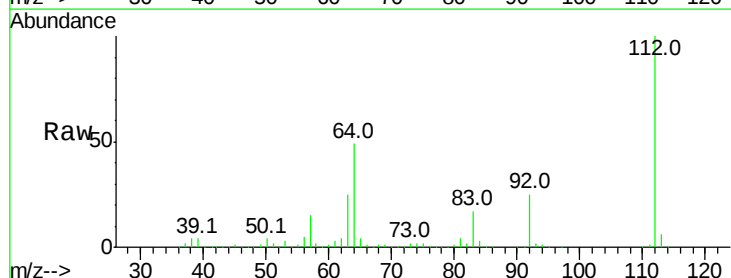
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



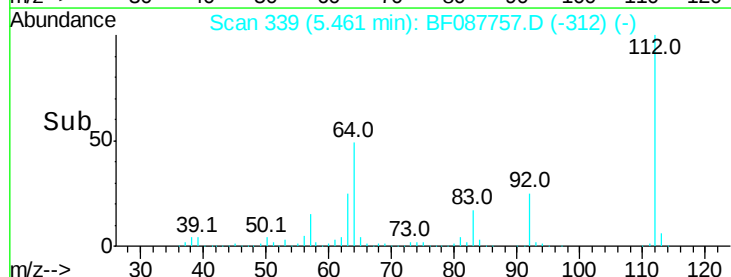
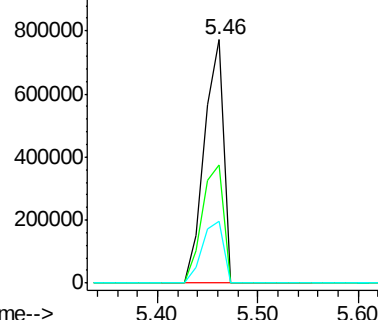
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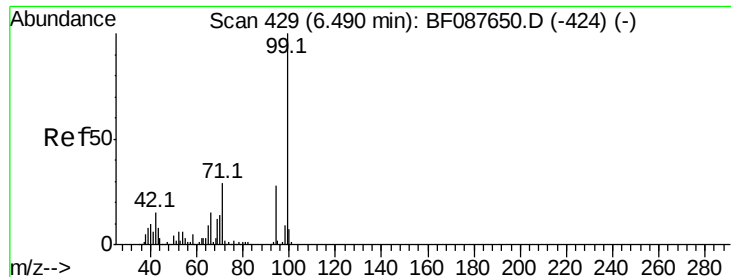
2-Fluorophenol
Concen: 141.57 ng
RT: 5.46 min Scan# 339
Delta R.T. 0.01 min
Lab File: BF087757.D
Acq: 6 Jun 2016 17:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	48.7	42.2	63.2
63	25.3	21.8	32.8



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: 122.77 ng

RT: 6.49 min Scan# 429

Delta R.T. -0.00 min

Lab File: BF087757.D

Acq: 6 Jun 2016 17:45

Instrument :

BNA_F

ClientSampleId :

STA-TA-1280(0-4)

Tot Ion: 99 Resp: 1117118

Ion Ratio Lower Upper

99 100

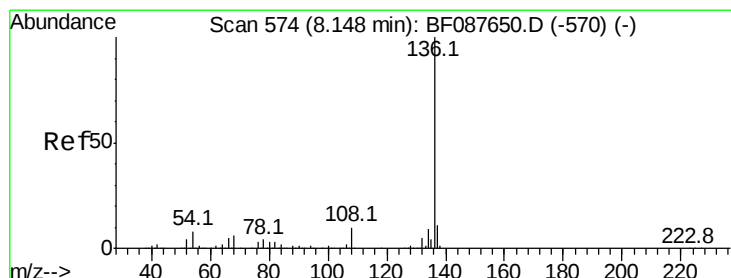
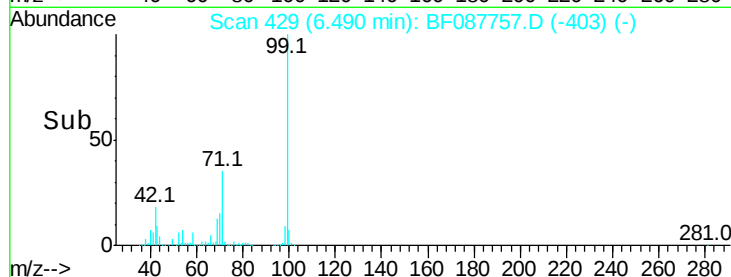
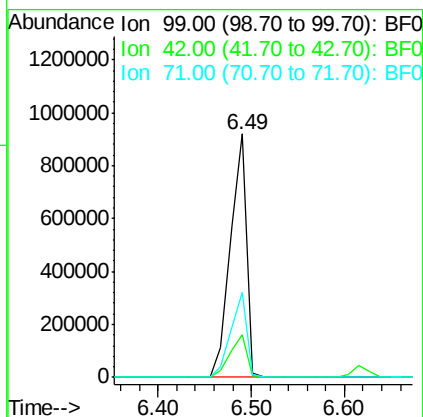
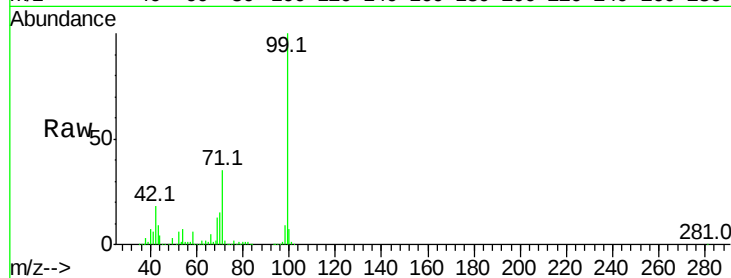
42 17.7 12.2 18.2

71 35.0 23.4 35.0

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 573

Delta R.T. -0.01 min

Lab File: BF087757.D

Acq: 6 Jun 2016 17:45

Tgt Ion: 136 Resp: 467207

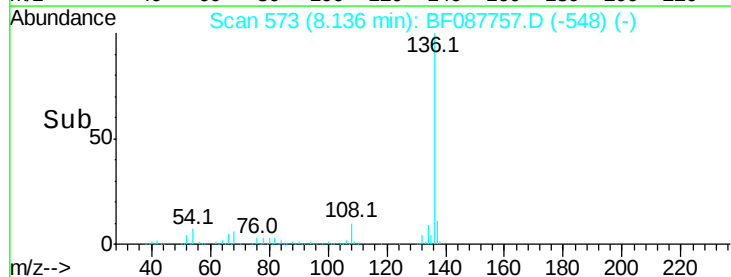
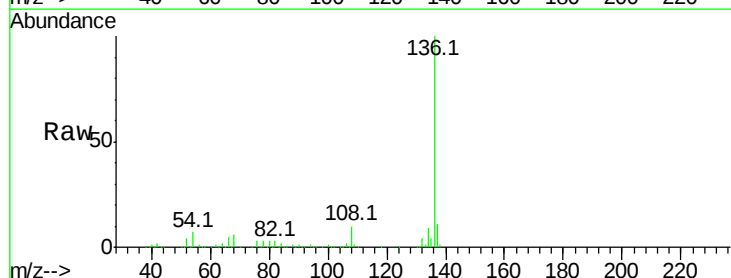
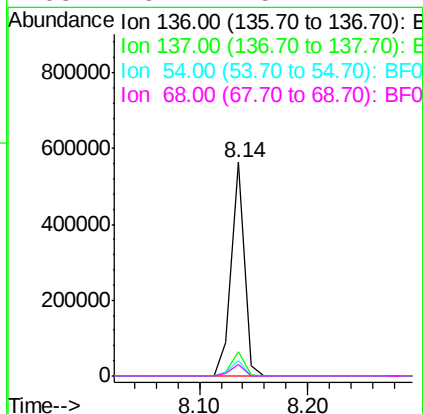
Ion Ratio Lower Upper

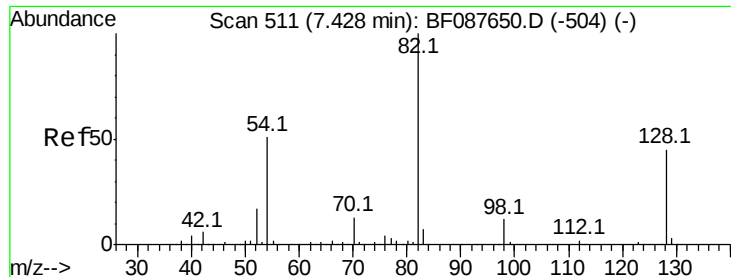
136 100

137 11.2 9.1 13.7

54 7.2 6.6 10.0

68 5.7 5.1 7.7





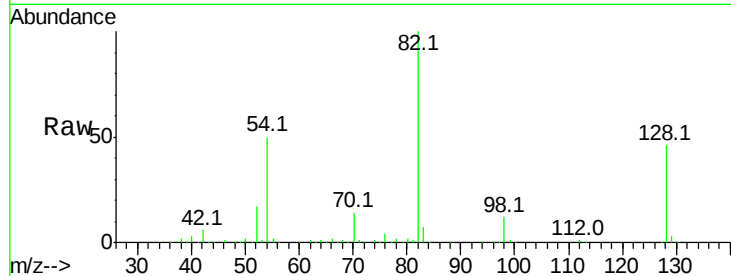
#23
Nitrobenzene-d5
Concen: 76.97 ng
RT: 7.42 min Scan# 510
Delta R.T. -0.01 min
Lab File: BF087757.D
Acq: 6 Jun 2016 17:45

Instrument :
BNA_F
ClientSampleId :
STA-TA-1280(0-4)

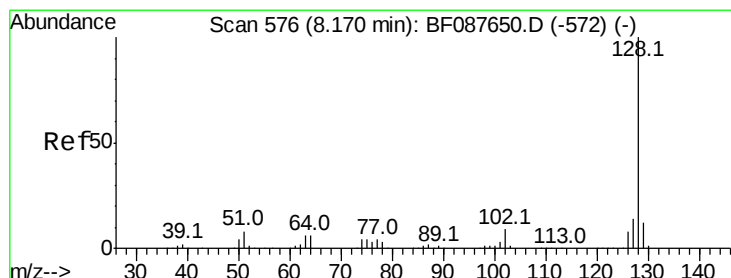
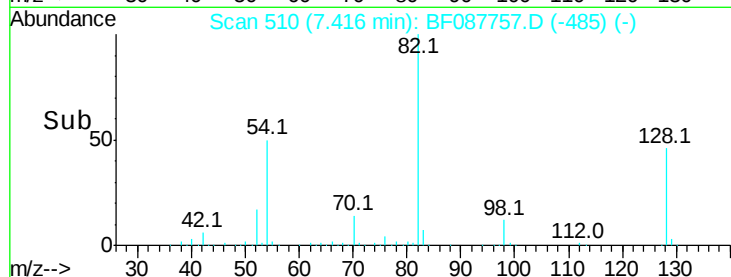
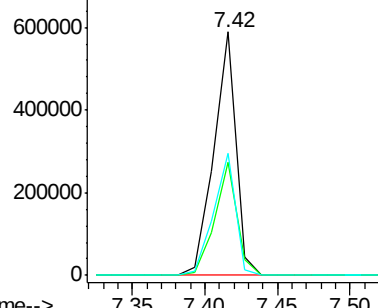
Tot Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	46.4	35.9	53.9
54	49.9	40.9	61.3

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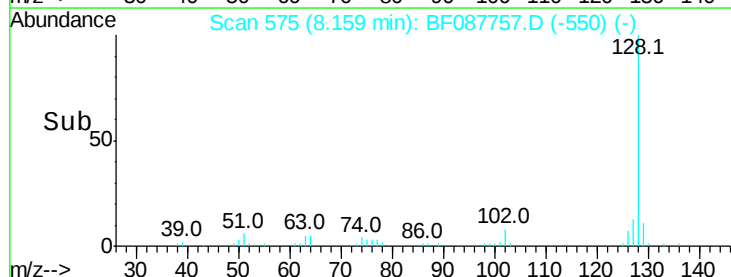
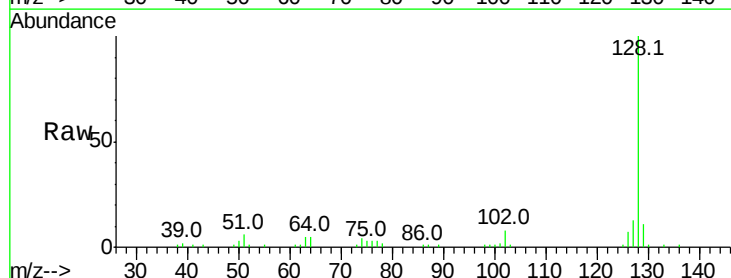
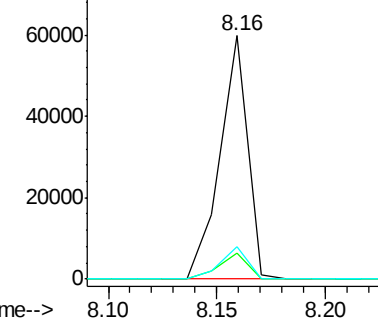
Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

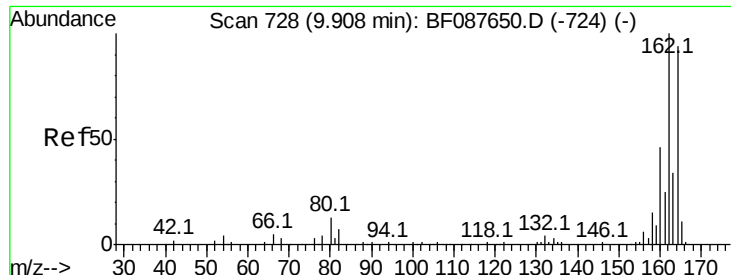


#31
Naphthalene
Concen: 2.32 ng
RT: 8.16 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF087757.D
Acq: 6 Jun 2016 17:45

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	10.7	9.4	14.2
127	13.1	10.9	16.3

Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





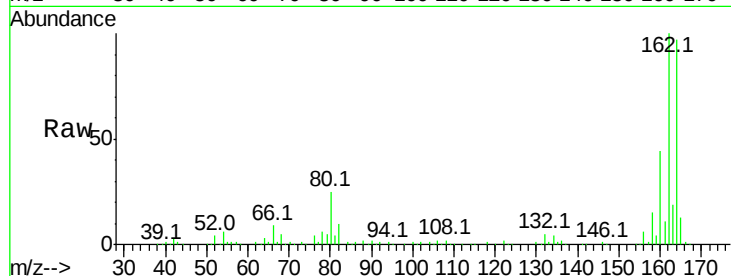
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 726
Delta R.T. -0.02 min
Lab File: BF087757.D
Acq: 6 Jun 2016 17:45

Instrument :
BNA_F
ClientSampleId :
STA-TA-1280(0-4)

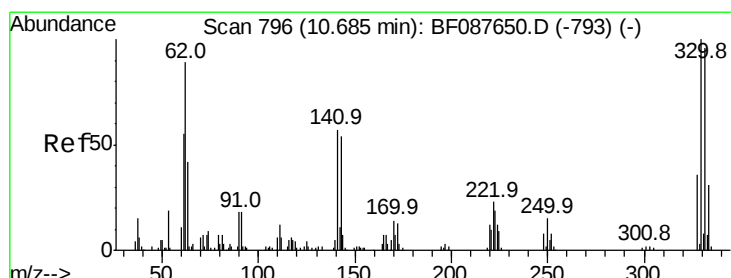
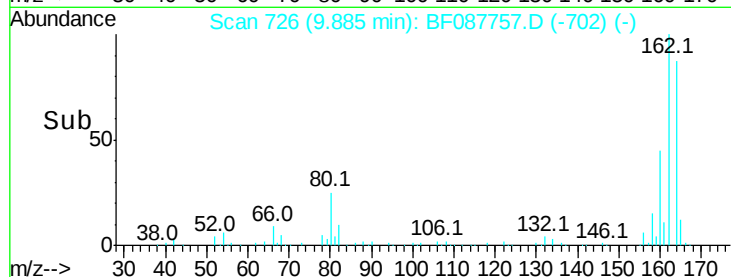
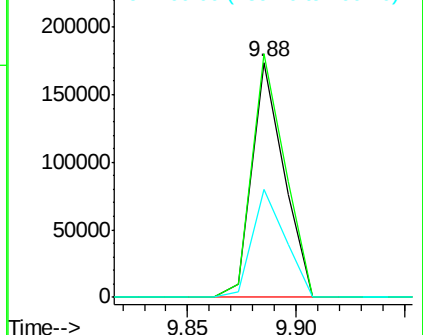
Tot Ion	Ratio	Resp	Lower	Upper
164	100	178155		
162	103.6	85.4	128.2	
160	46.0	39.5	59.3	

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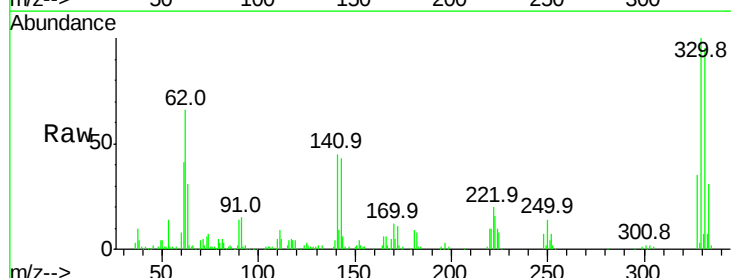


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

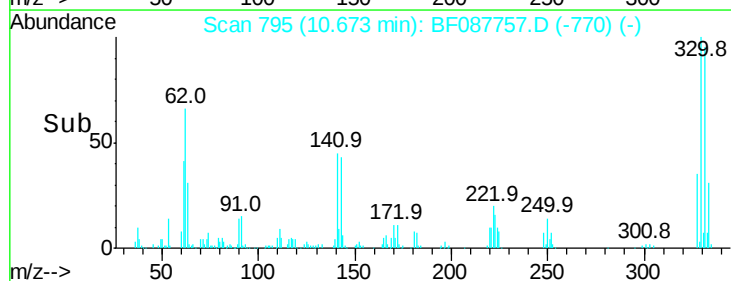
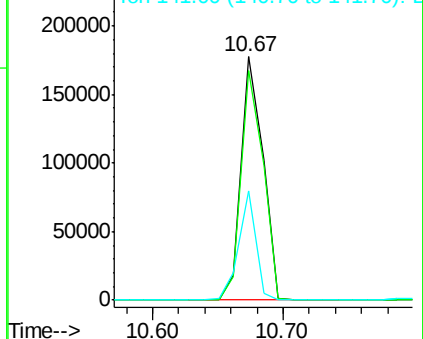


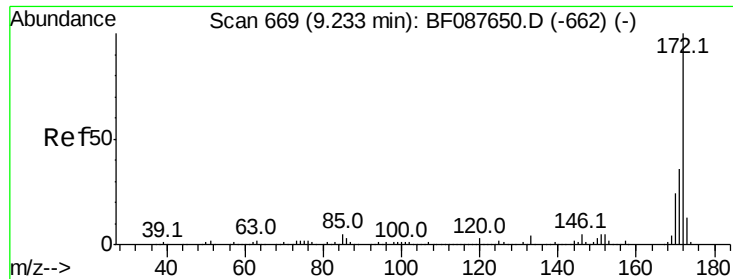
#41
2,4,6-Tribromophenol
Concen: 115.20 ng
RT: 10.67 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF087757.D
Acq: 6 Jun 2016 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	206012		
332	95.2	0.0	0.0#	
141	36.1	0.0	0.0#	



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





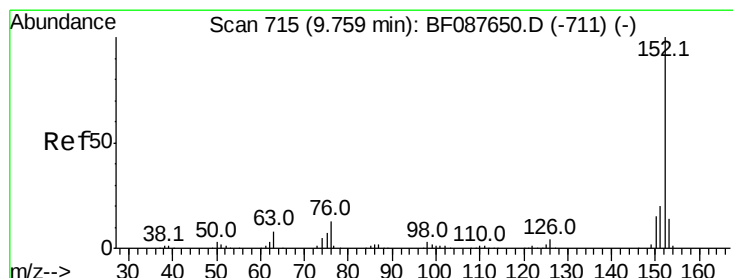
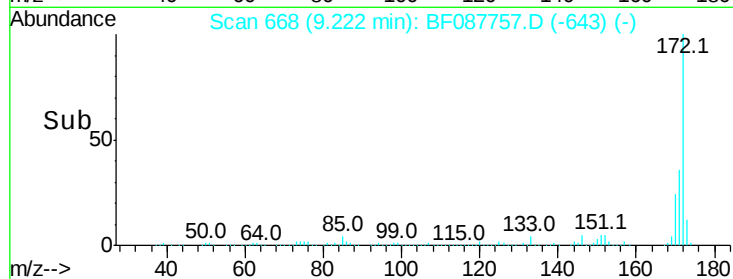
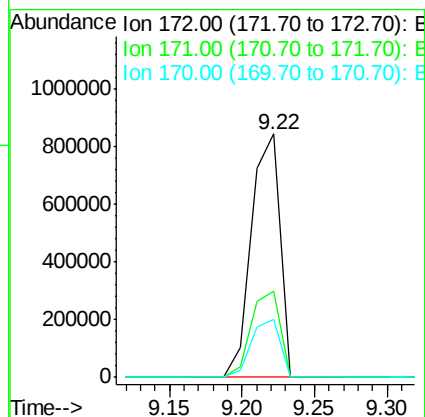
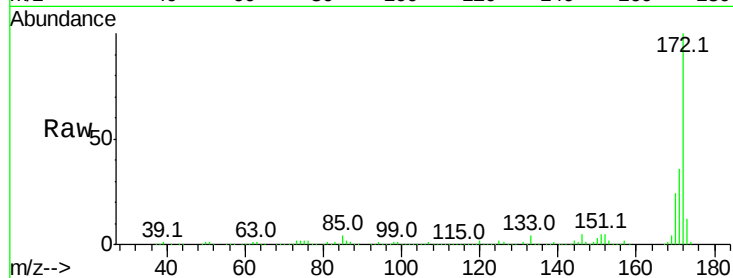
#44
 2-Fluorobiphenyl
 Concen: 109.52 ng
 RT: 9.22 min Scan# 668
 Delta R.T. -0.01 min
 Lab File: BF087757.D
 Acq: 6 Jun 2016 17:45

Instrument :
 BNA_F
 ClientSampleId :
 STA-TA-1280(0-4)

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.6	43.0
170	23.6	19.2	28.8

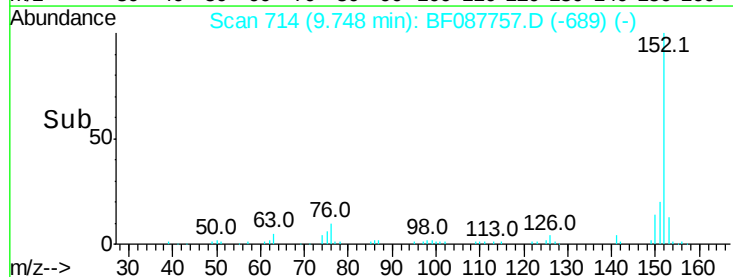
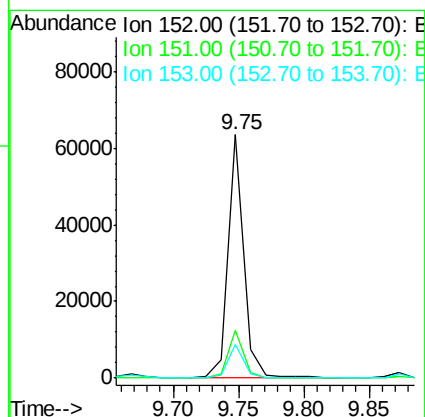
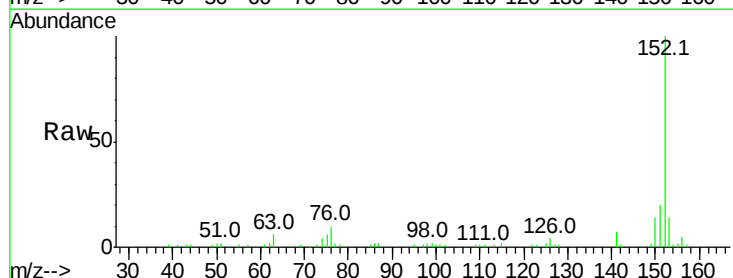
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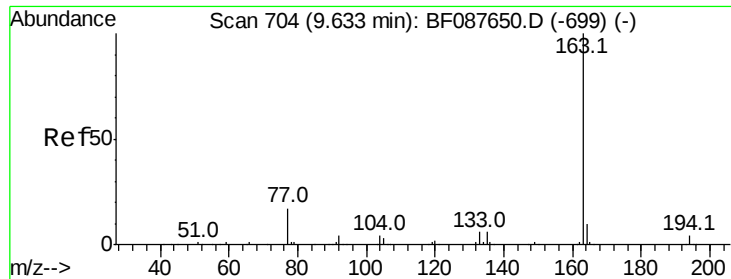
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#48
 Acenaphthylene
 Concen: 3.00 ng
 RT: 9.75 min Scan# 714
 Delta R.T. -0.01 min
 Lab File: BF087757.D
 Acq: 6 Jun 2016 17:45

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.2	24.4
153	13.8	11.0	16.6





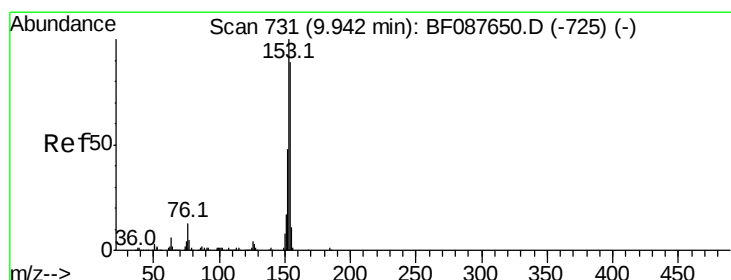
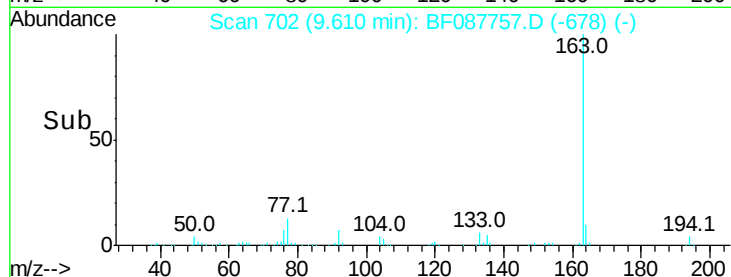
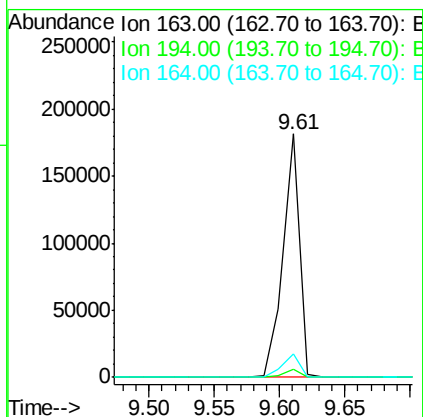
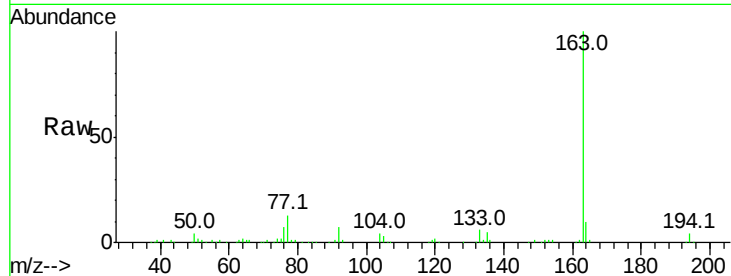
#49
Dimethylphthalate
Concen: 12.49 ng
RT: 9.61 min Scan# 702
Delta R.T. -0.02 min
Lab File: BF087757.D
Acq: 6 Jun 2016 17:45

Instrument :
BNA_F
ClientSampleId :
STA-TA-1280(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	161787		
194	3.6	2.8	4.2	
164	9.7	8.3	12.5	

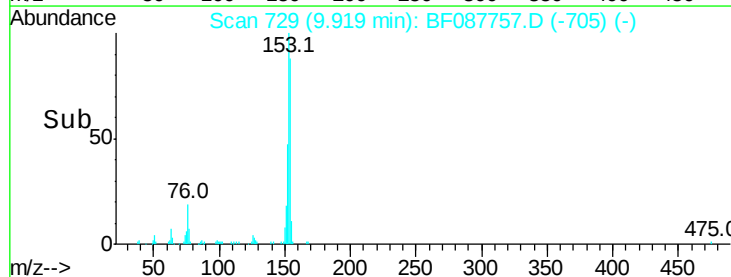
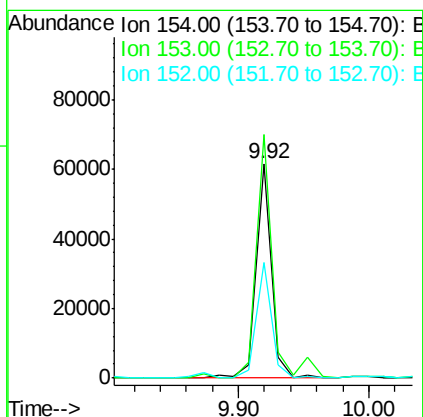
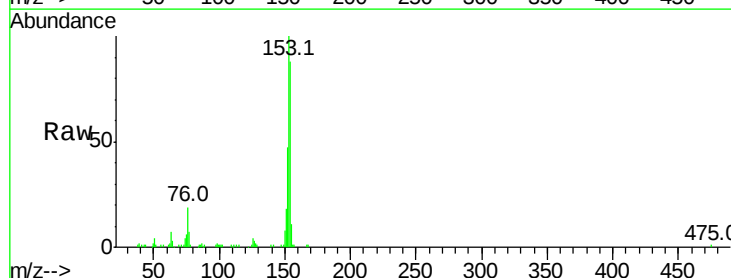
Manual Integrations
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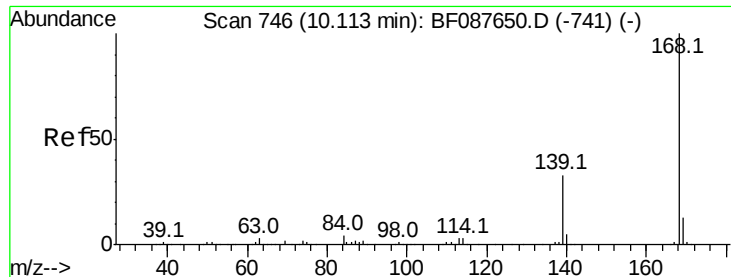
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#51
Acenaphthene
Concen: 4.37 ng
RT: 9.92 min Scan# 729
Delta R.T. -0.02 min
Lab File: BF087757.D
Acq: 6 Jun 2016 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	50490		
153	113.5	89.5	134.3	
152	53.7	42.7	64.1	





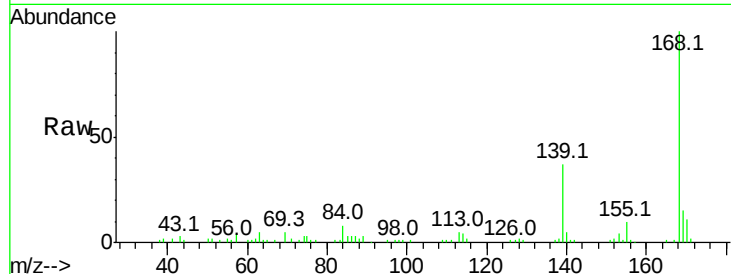
#54
Dibenzenofuran
Concen: 3.29 ng
RT: 10.09 min Scan# 744
Delta R.T. -0.02 min
Lab File: BF087757.D
Acq: 6 Jun 2016 17:45

Instrument :
BNA_F
ClientSampleId :
STA-TA-1280(0-4)

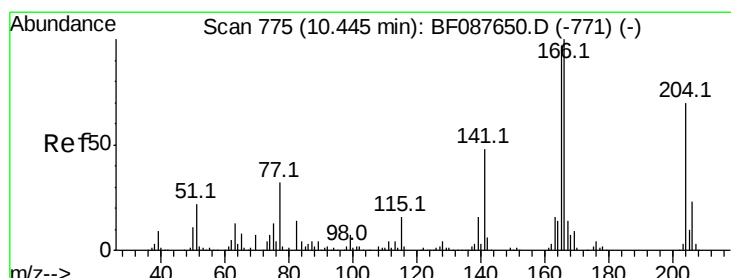
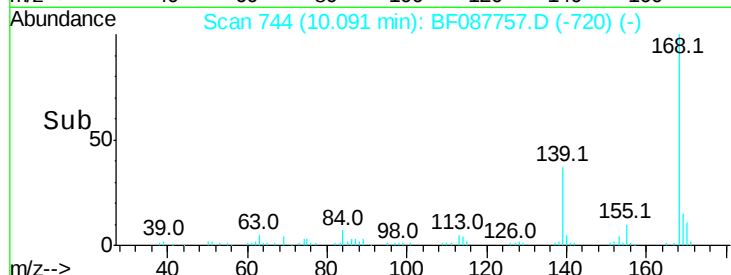
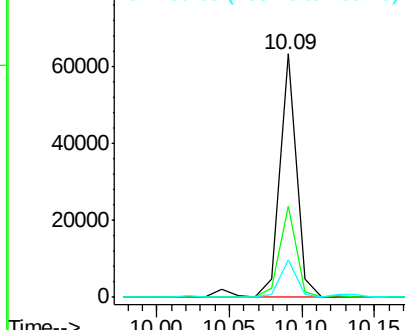
Tot Ion	Ratio	Lower	Upper
168	100		
139	37.3	26.4	39.6
169	15.3	10.4	15.6

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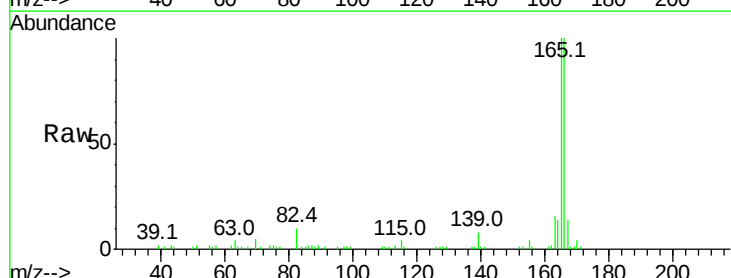


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

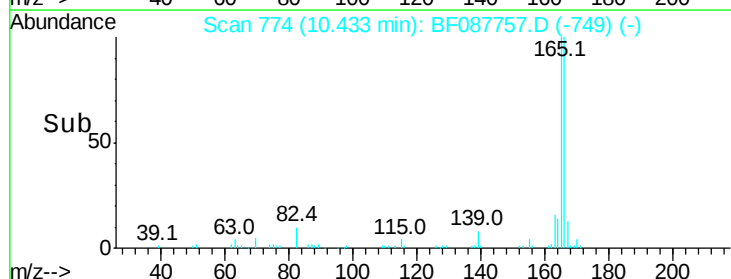
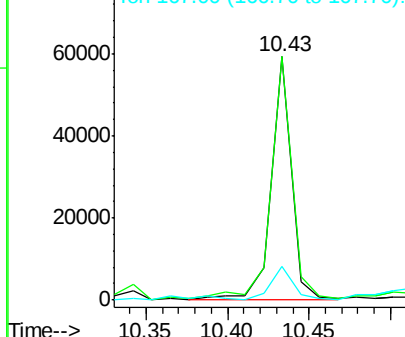


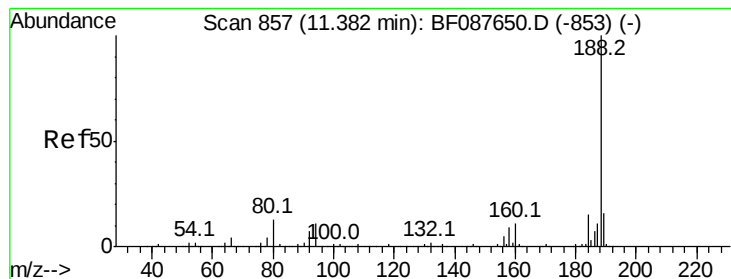
#57
Fluorene
Concen: 4.21 ng
RT: 10.43 min Scan# 774
Delta R.T. -0.01 min
Lab File: BF087757.D
Acq: 6 Jun 2016 17:45

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.1	77.8	116.8
167	13.6	11.2	16.8



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.37 min Scan# 856

Delta R.T. -0.01 min

Lab File: BF087757.D

Acq: 6 Jun 2016 17:45

Instrument :

BNA_F

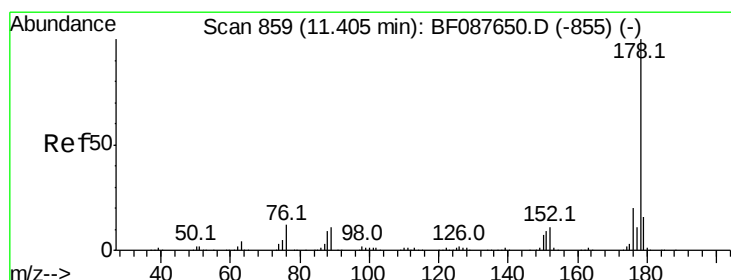
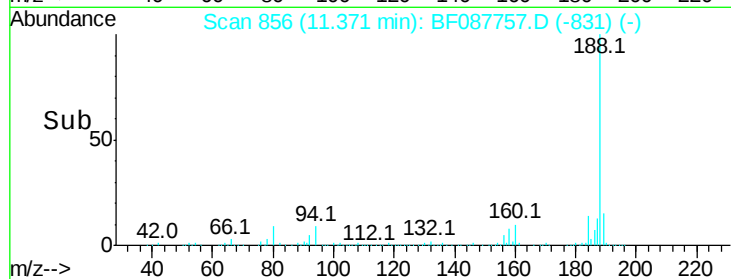
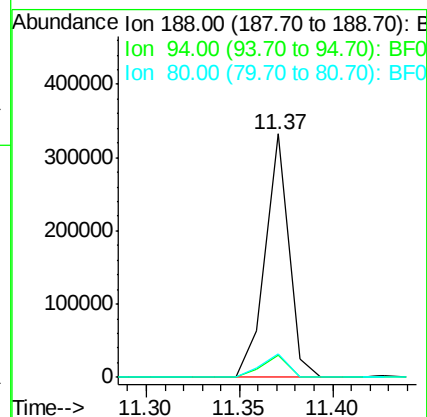
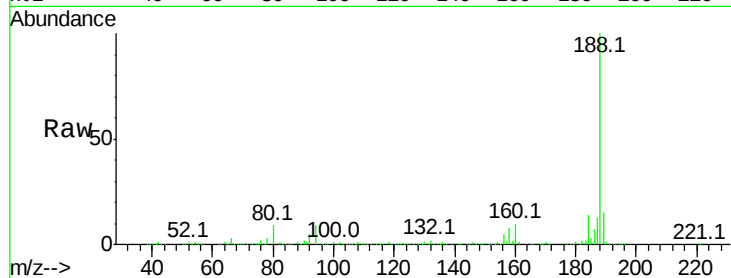
ClientSampleId :

STA-TA-1280(0-4)

Tot Ion:	188	Resp:	290123
Ion Ratio	Lower	Upper	
188	100		
94	9.1	9.0	13.6
80	9.5	10.0	15.0#

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#70

Phenanthrene

Concen: 34.68 ng

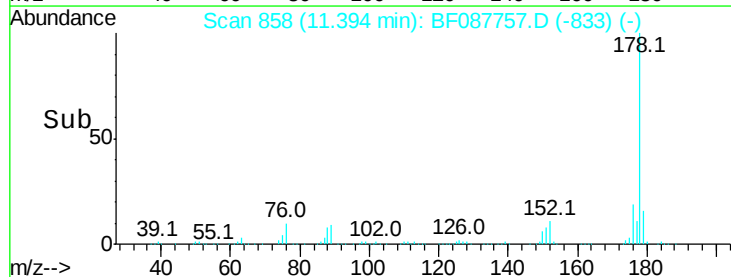
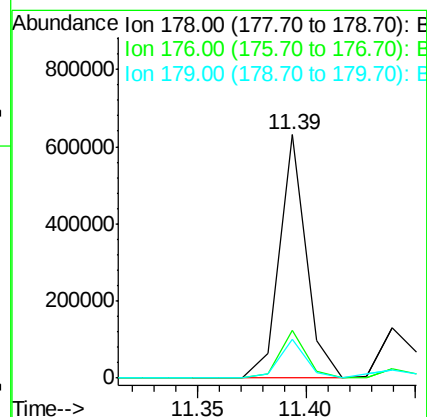
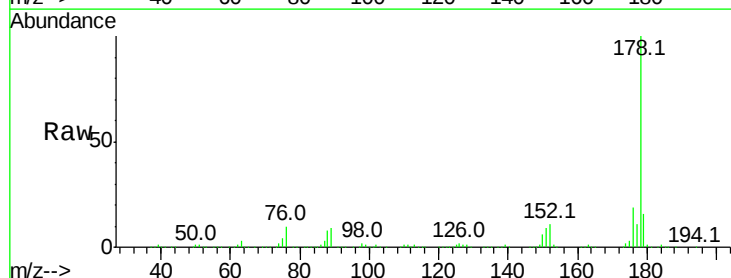
RT: 11.39 min Scan# 858

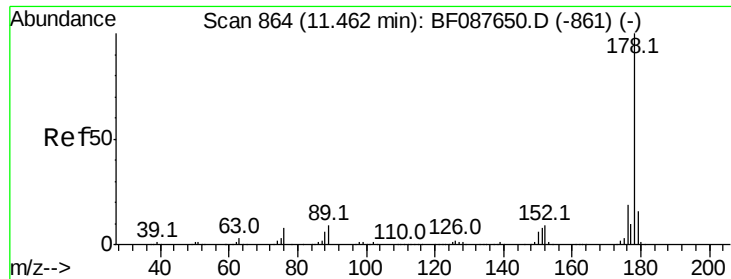
Delta R.T. -0.01 min

Lab File: BF087757.D

Acq: 6 Jun 2016 17:45

Tgt Ion:	178	Resp:	545527
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.8	23.6
179	15.8	13.0	19.4





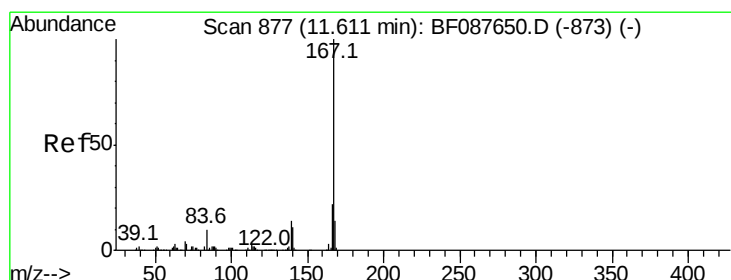
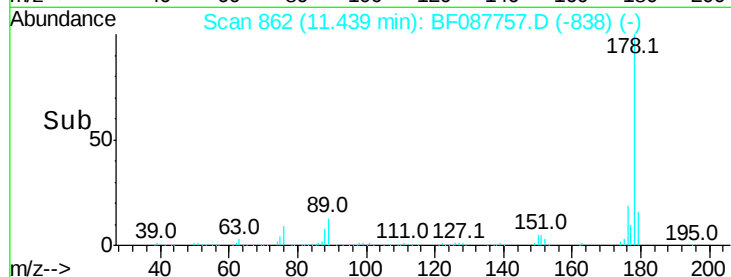
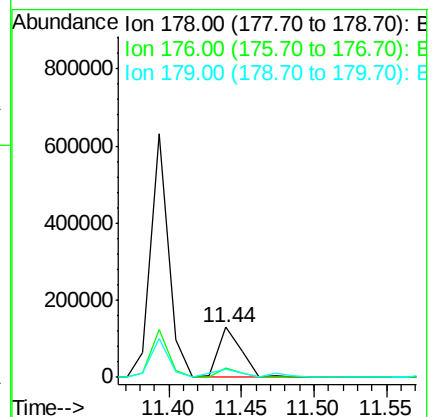
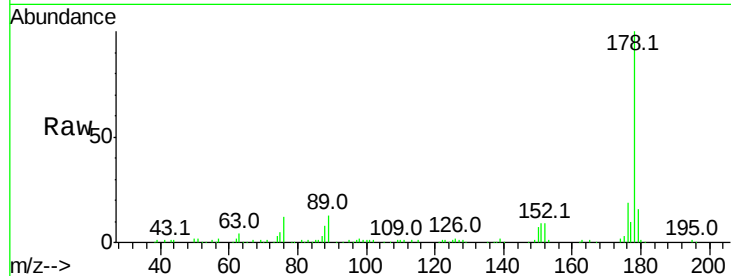
#71
 Anthracene
 Concen: 9.08 ng
 RT: 11.44 min Scan# 862
 Delta R.T. -0.02 min
 Lab File: BF087757.D
 Acq: 6 Jun 2016 17:45

Instrument :
 BNA_F
 ClientSampleId :
 STA-TA-1280(0-4)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.6	23.4
179	16.1	12.8	19.2

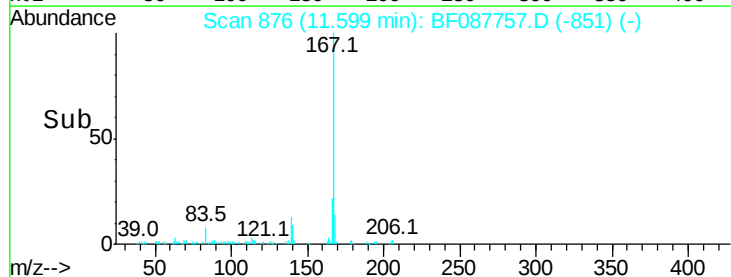
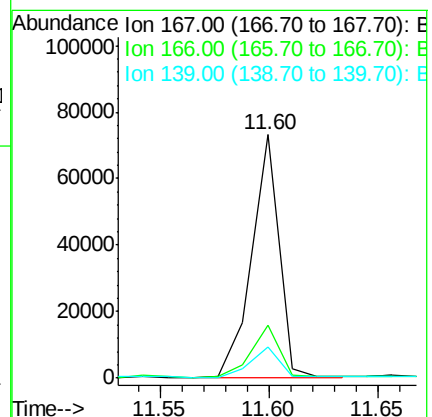
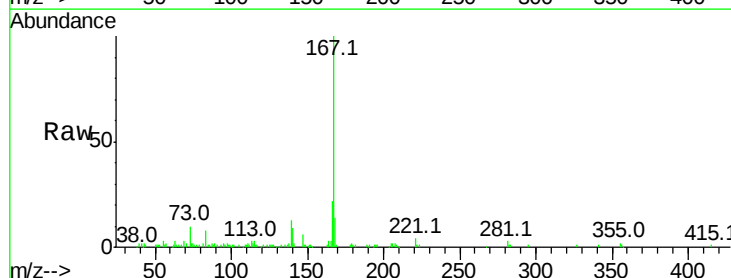
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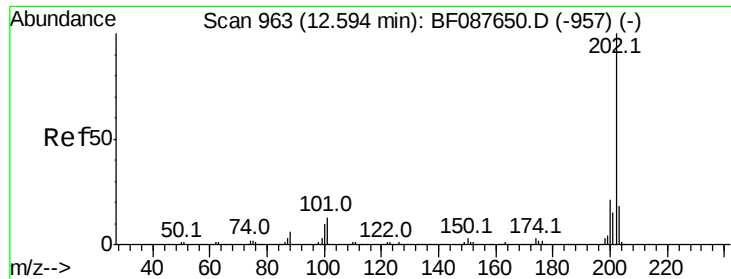
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#72
 Carbazole
 Concen: 4.34 ng
 RT: 11.60 min Scan# 876
 Delta R.T. -0.01 min
 Lab File: BF087757.D
 Acq: 6 Jun 2016 17:45

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.8	26.6
139	12.6	11.2	16.8





#74

Fluoranthene

Concen: 49.94 ng

RT: 12.58 min Scan# 962

Delta R.T. -0.01 min

Lab File: BF087757.D

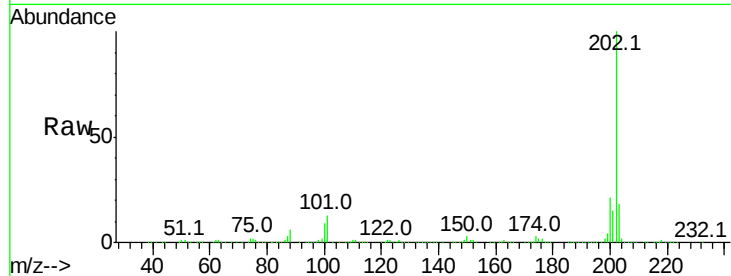
Acq: 6 Jun 2016 17:45

Instrument :

BNA_F

ClientSampleId :

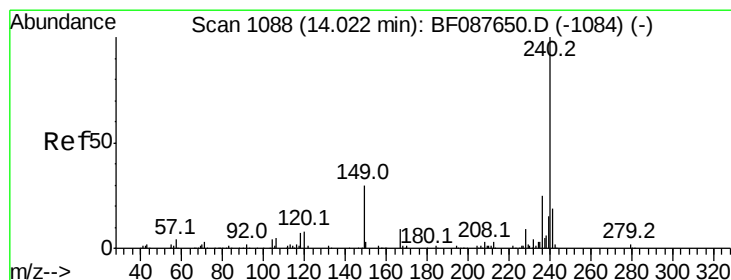
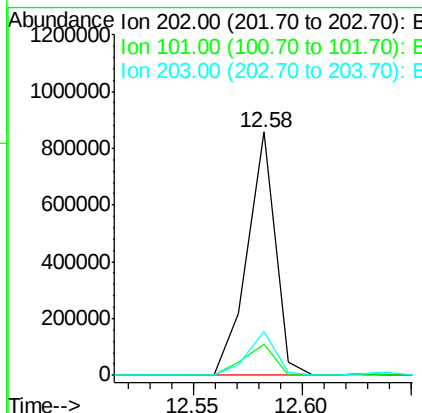
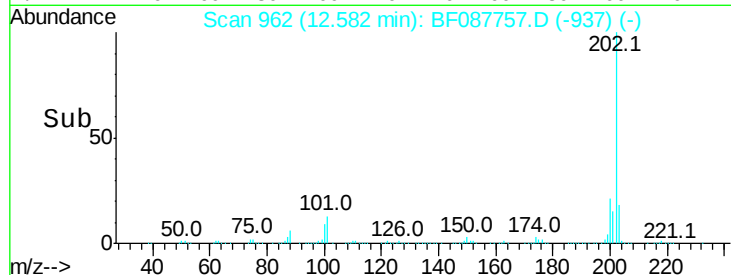
STA-TA-1280(0-4)



Tot Ion	Ratio	Resp	Lower	Upper
202	100	773067		
101	12.7		0.0	33.1
203	18.2		0.0	38.1

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#75

Chrysene-d12

Concen: 20.00 ng

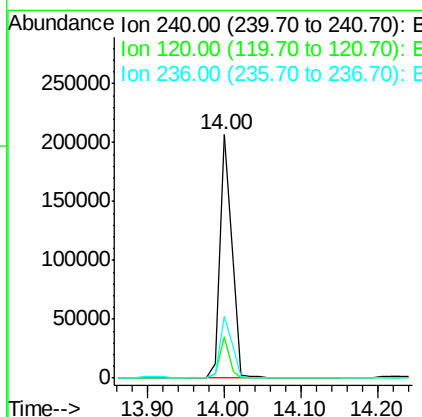
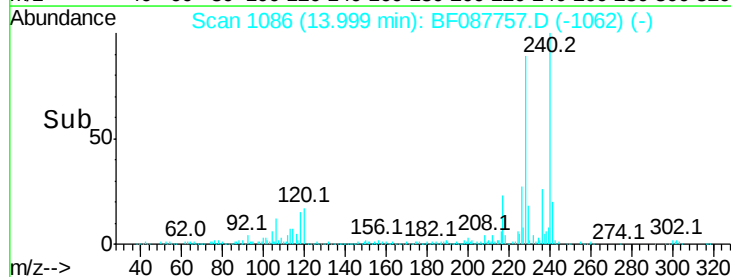
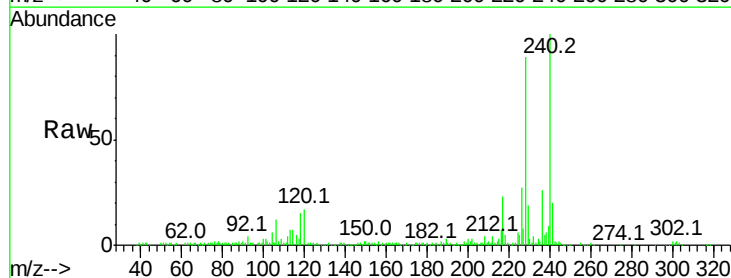
RT: 14.00 min Scan# 1086

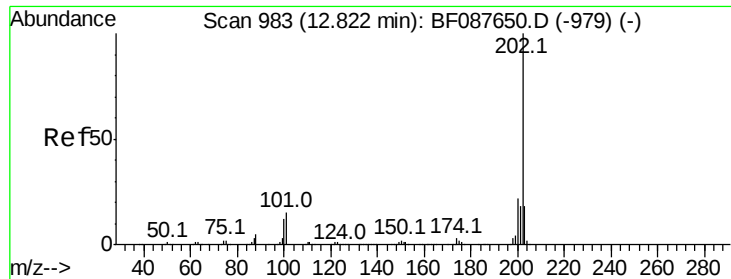
Delta R.T. -0.02 min

Lab File: BF087757.D

Acq: 6 Jun 2016 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	224730		
120	16.8		6.8	10.2#
236	25.5		20.2	30.2





#77

Pvrene

Concen: 45.27 ng

RT: 12.81 min Scan# 982

Delta R.T. -0.01 min

Lab File: BF087757.D

Acq: 6 Jun 2016 17:45

Instrument :

BNA_F

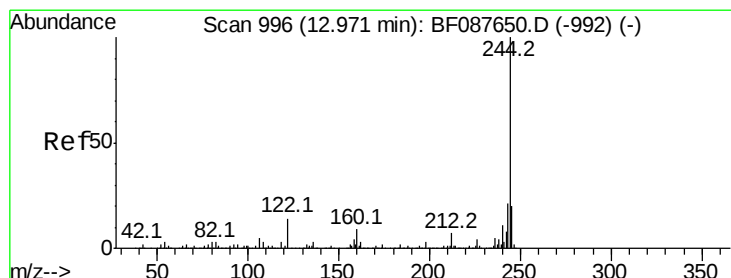
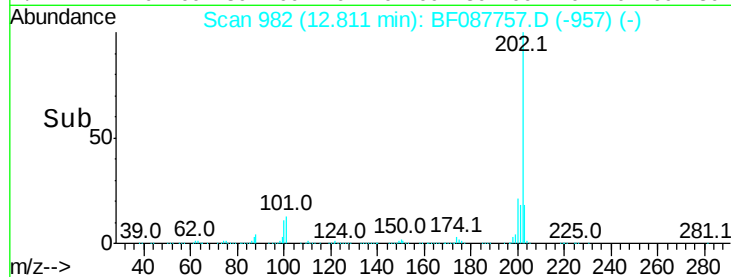
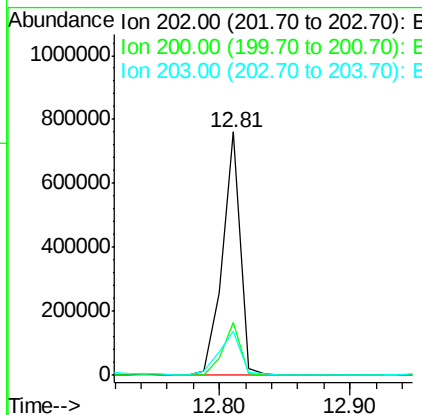
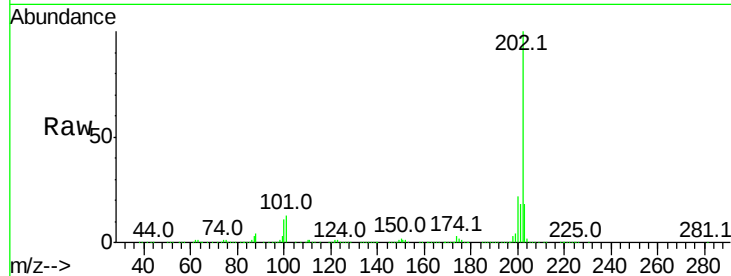
ClientSampleId :

STA-TA-1280(0-4)

Tot Ion:	202	Resp:	724402
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.4	26.2
203	18.2	14.5	21.7

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#78

Terphenyl-d14

Concen: 82.12 ng

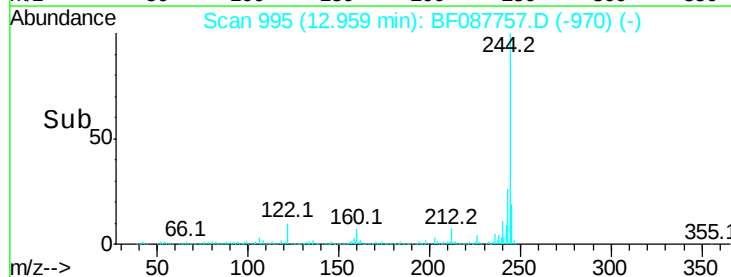
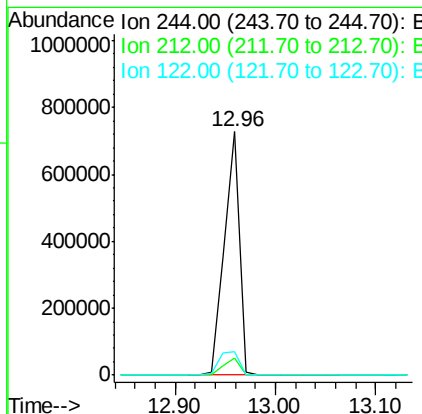
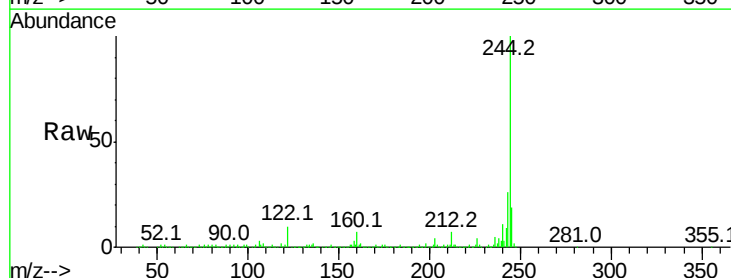
RT: 12.96 min Scan# 995

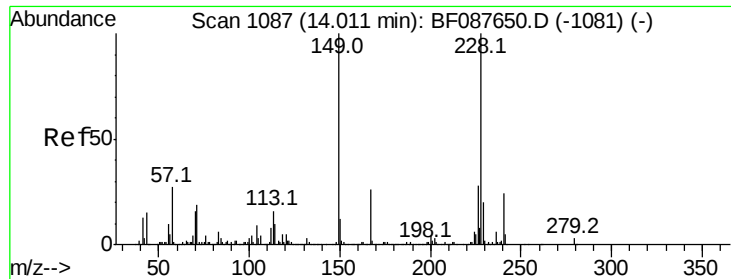
Delta R.T. -0.01 min

Lab File: BF087757.D

Acq: 6 Jun 2016 17:45

Tgt Ion:	244	Resp:	756295
Ion Ratio	Lower	Upper	
244	100		
212	6.9	6.0	9.0
122	9.7	11.2	16.8#





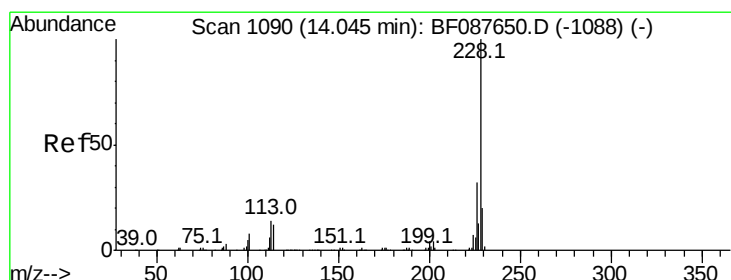
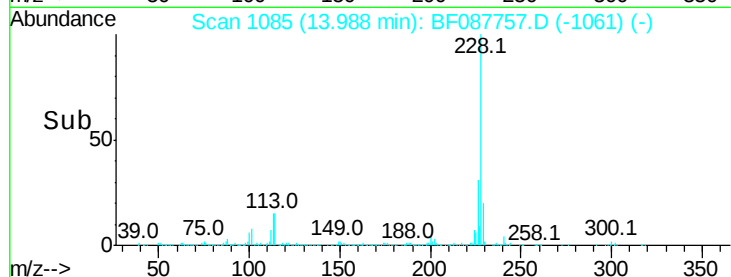
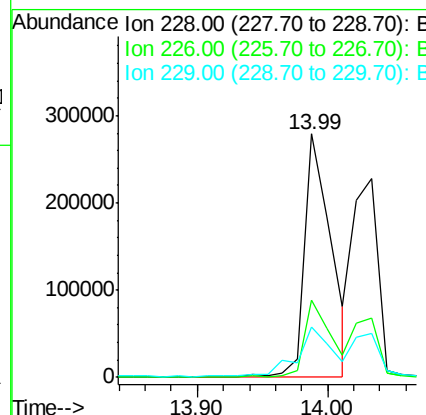
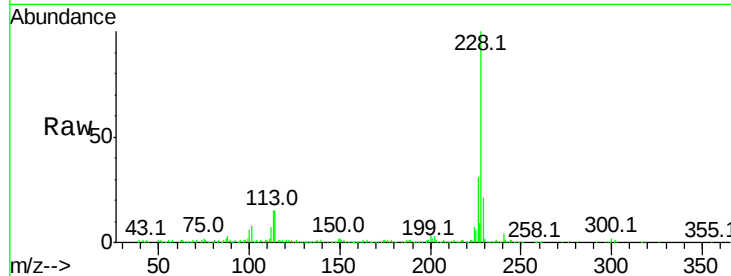
#80
Benzo(a)anthracene
Concen: 30.18 ng
RT: 13.99 min Scan# 1085
Delta R.T. -0.02 min
Lab File: BF087757.D
Acq: 6 Jun 2016 17:45

Instrument :
BNA_F
ClientSampleId :
STA-TA-1280(0-4)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100		391422		
226	31.5	22.3	33.5		
229	20.8	16.0	24.0		

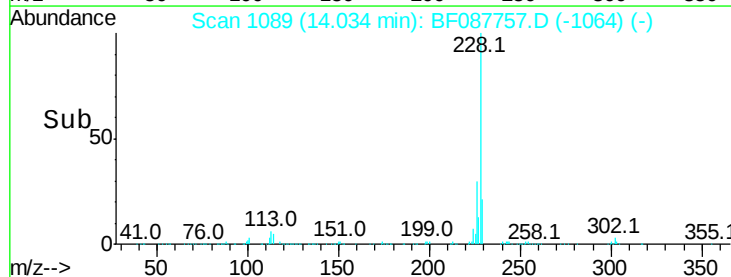
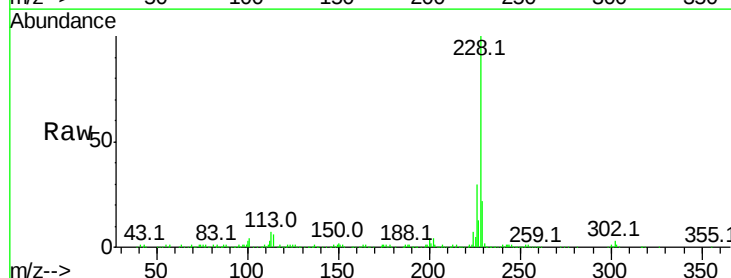
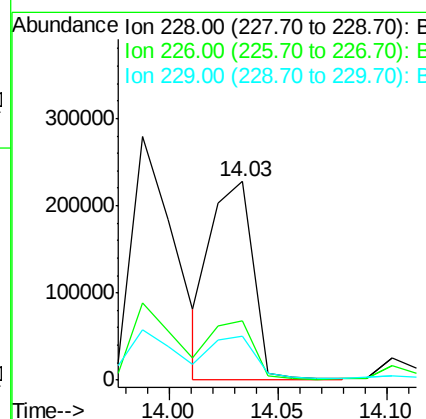
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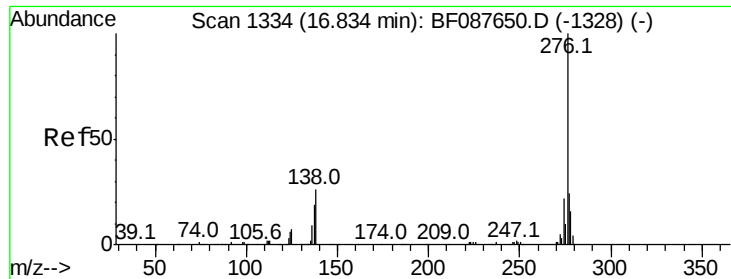
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#82
Chrysene
Concen: 23.32 ng
RT: 14.03 min Scan# 1089
Delta R.T. -0.01 min
Lab File: BF087757.D
Acq: 6 Jun 2016 17:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
228	100		301071		
226	29.9	25.4	38.2		
229	21.8	16.3	24.5		





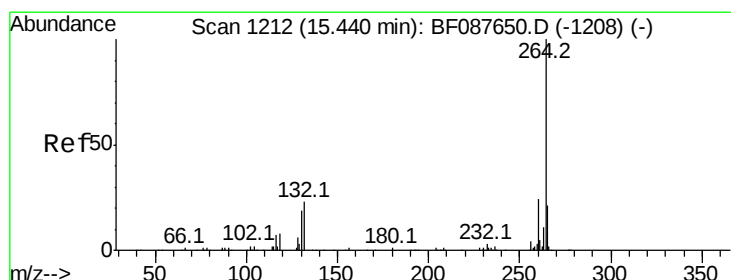
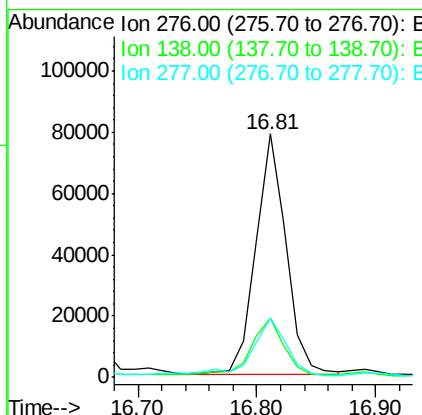
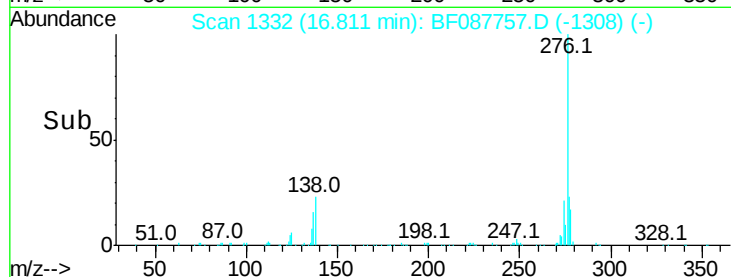
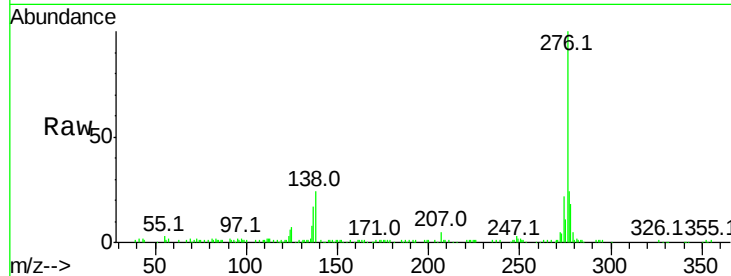
#85
Indeno(1,2,3-cd)pyrene
Concen: 13.11 ng
RT: 16.81 min Scan# 1332
Delta R.T. -0.02 min
Lab File: BF087757.D
Acq: 6 Jun 2016 17:45

Instrument :
BNA_F
ClientSampleId :
STA-TA-1280(0-4)

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	25.2	0.0	0.0#
277	27.2	0.0	0.0#

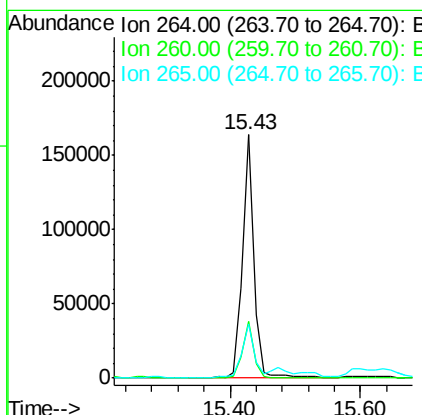
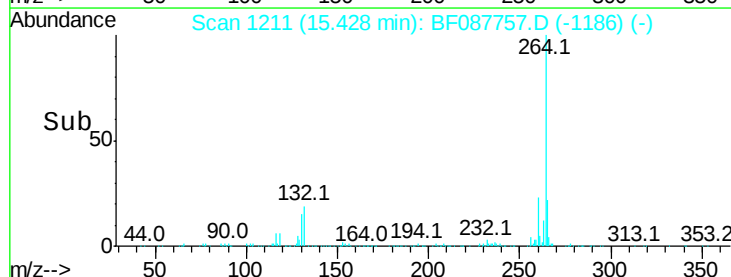
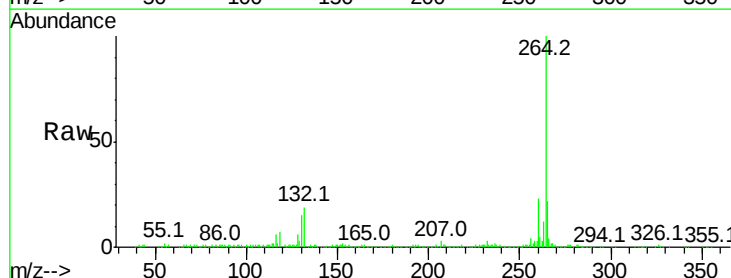
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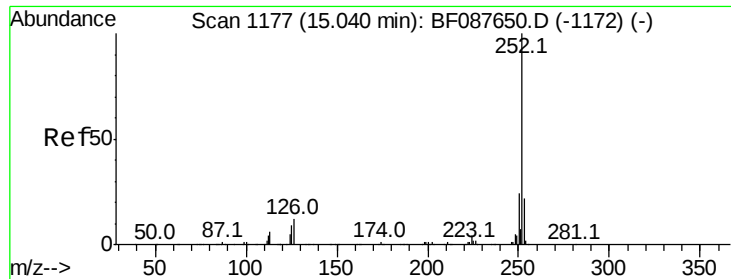
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.43 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF087757.D
Acq: 6 Jun 2016 17:45

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	23.3	19.2	28.8
265	22.4	16.9	25.3





#87

Benzo(b)fluoranthene

Concen: 35.58 ng m

RT: 15.03 min Scan# 1176

Delta R.T. -0.01 min

Lab File: BF087757.D

Acq: 6 Jun 2016 17:45

Instrument :

BNA_F

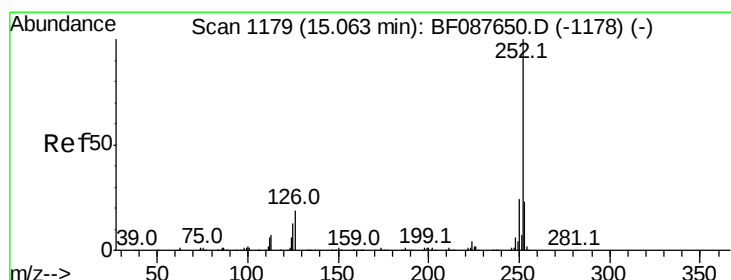
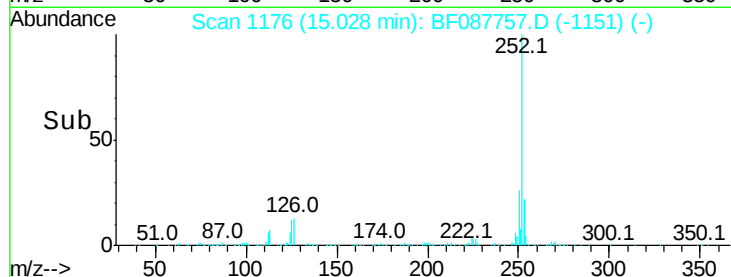
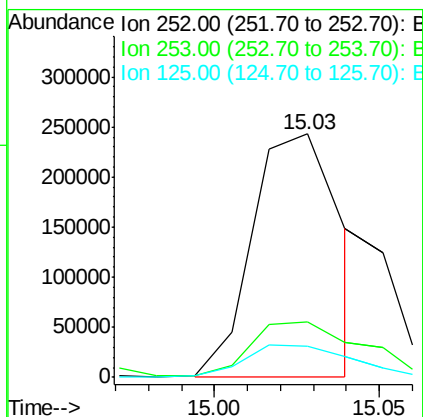
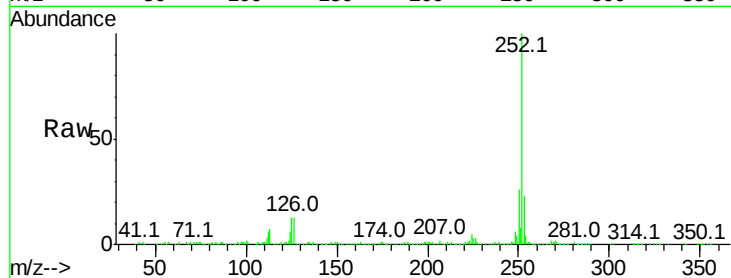
ClientSampleId :

STA-TA-1280(0-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.2
125	12.8	7.1	10.7

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#88

Benzo(k)fluoranthene

Concen: 8.88 ng m

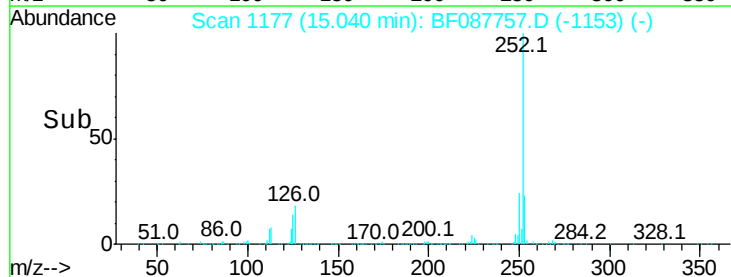
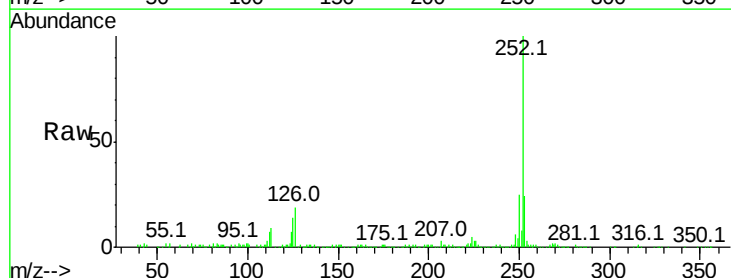
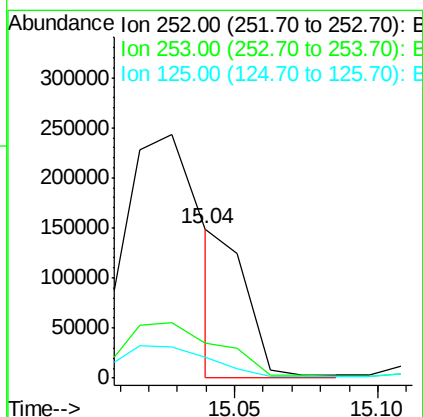
RT: 15.04 min Scan# 1177

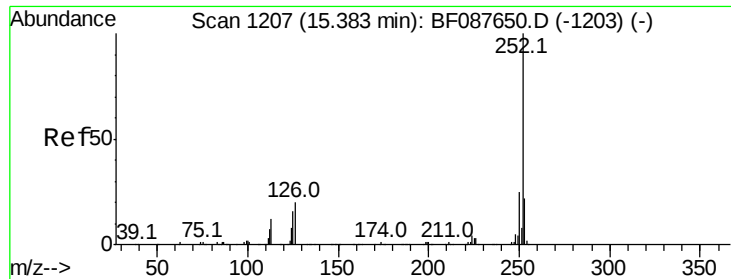
Delta R.T. -0.02 min

Lab File: BF087757.D

Acq: 6 Jun 2016 17:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.0	27.0
125	14.4	11.2	16.8





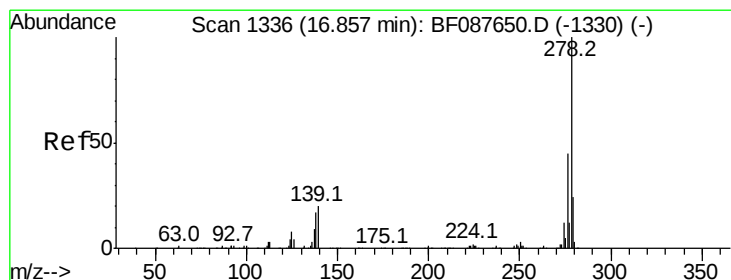
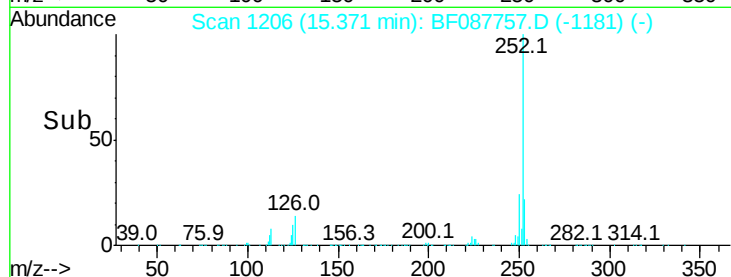
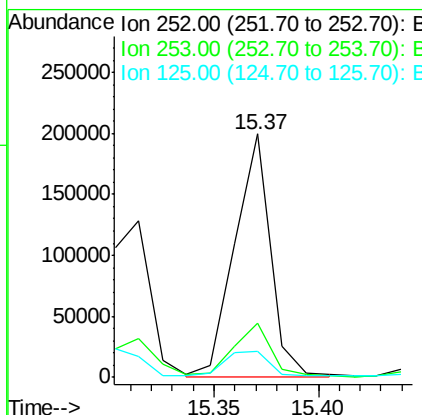
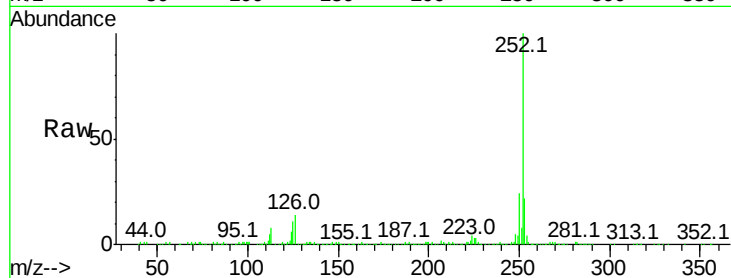
#89
Benzo(a)pyrene
Concen: 22.31 ng/ml
RT: 15.37 min Scan# 1206
Delta R.T. -0.01 min
Lab File: BF087757.D
Acq: 6 Jun 2016 17:45

Instrument :
BNA_F
ClientSampleId :
STA-TA-1280(0-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	10.8	12.5	18.7

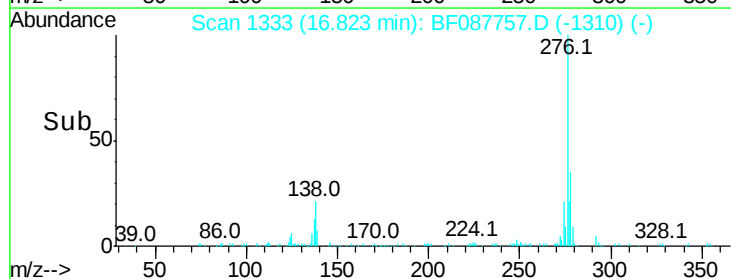
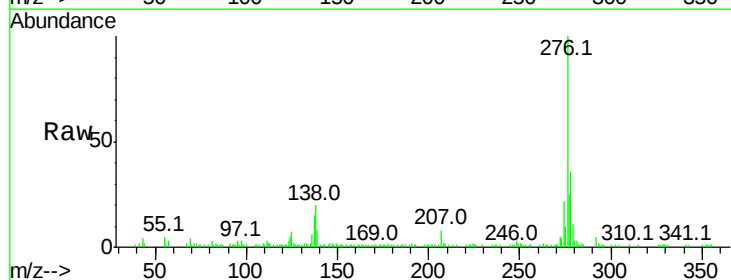
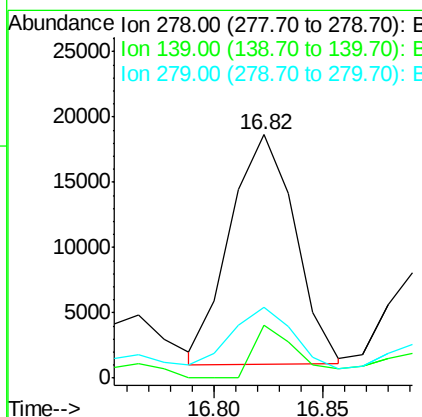
Manual Integrations
APPROVED

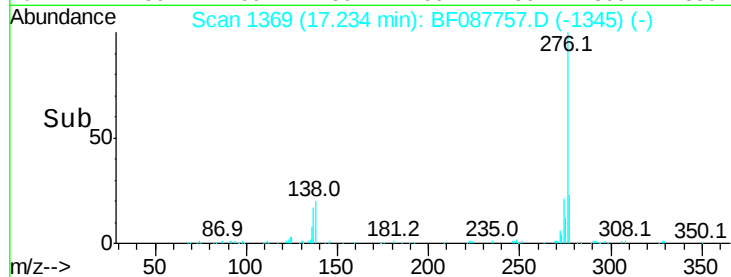
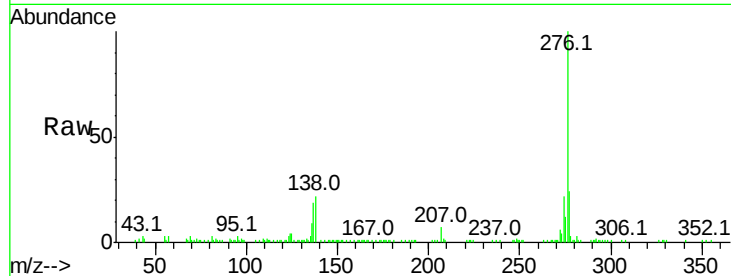
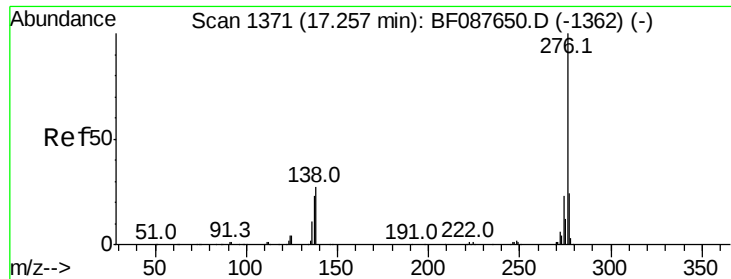
sohil
6/7/2016 7:22:13 PM



#90
Dibenzo(a,h)anthracene
Concen: 3.98 ng/ml
RT: 16.82 min Scan# 1333
Delta R.T. -0.03 min
Lab File: BF087757.D
Acq: 6 Jun 2016 17:45

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.9	15.7	23.5
279	29.1	19.4	29.2





#91

Benzo(a,h,i)perylene

Concen: 13.18 ng

RT: 17.23 min Scan# 1369

Delta R.T. -0.02 min

Lab File: BF087757.D

Acq: 6 Jun 2016 17:45

Instrument :

BNA_F

ClientSampleId :

STA-TA-1280(0-4)

Tot Ion:	276	Resp:	121986
Ion Ratio		Lower	Upper
276	100		
277	24.1	18.9	28.3
138	21.7	21.4	32.2

Manual Integrations
APPROVED

sohil
6/7/2016 7:22:13 PM

