

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060616\
 Data File : BF087754.D
 Acq On : 6 Jun 2016 16:13
 Operator : UM/SJ
 Sample : H3267-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SC-1491(0-4)

Manual Integrations
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Quant Time: Jun 07 06:57:09 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	123461	20.00	ng	-0.01
21) Naphthalene-d8	8.14	136	503220	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	196705	20.00	ng	-0.02
63) Phenanthrene-d10	11.37	188	323760	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	216783	20.00	ng	-0.01
86) Perylene-d12	15.44	264	216224	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	731196	95.73	ng	0.00
7) Phenol-d6	6.49	99	1068757	111.57	ng	0.00
23) Nitrobenzene-d5	7.42	82	567880	65.29	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	169851	86.02	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	934266	68.62	ng	-0.02
78) Terphenyl-d14	12.96	244	594662	66.94	ng	-0.01
Target Compounds						Qvalue
48) Acenaphthylene	9.75	152	403923	20.38	ng	100
49) Dimethylphthalate	9.61	163	175271	12.26	ng	98
57) Fluorene	10.44	166	29522m	2.18	ng	
70) Phenanthrene	11.39	178	351743	20.04	ng	99
71) Anthracene	11.44	178	401481	22.83	ng	99
72) Carbazole	11.60	167	68986	4.14	ng	98
74) Fluoranthene	12.59	202	1690176	97.84	ng	98
77) Pyrene	12.82	202	1692931	109.67	ng	98
80) Benzo(a)anthracene	14.00	228	1202439m	96.11	ng	
82) Chrysene	14.05	228	933479	74.96	ng	98
85) Indeno(1,2,3-cd)pyrene	16.83	276	384916	37.40	ng	# 100
87) Benzo(b)fluoranthene	15.04	252	1118749m	79.54	ng	
88) Benzo(k)fluoranthene	15.06	252	395119m	33.76	ng	
89) Benzo(a)pyrene	15.38	252	702876	59.45	ng	98
90) Dibenzo(a,h)anthracene	16.85	278	103770	10.31	ng	94
91) Benzo(g,h,i)perylene	17.26	276	357305	35.20	ng	96

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

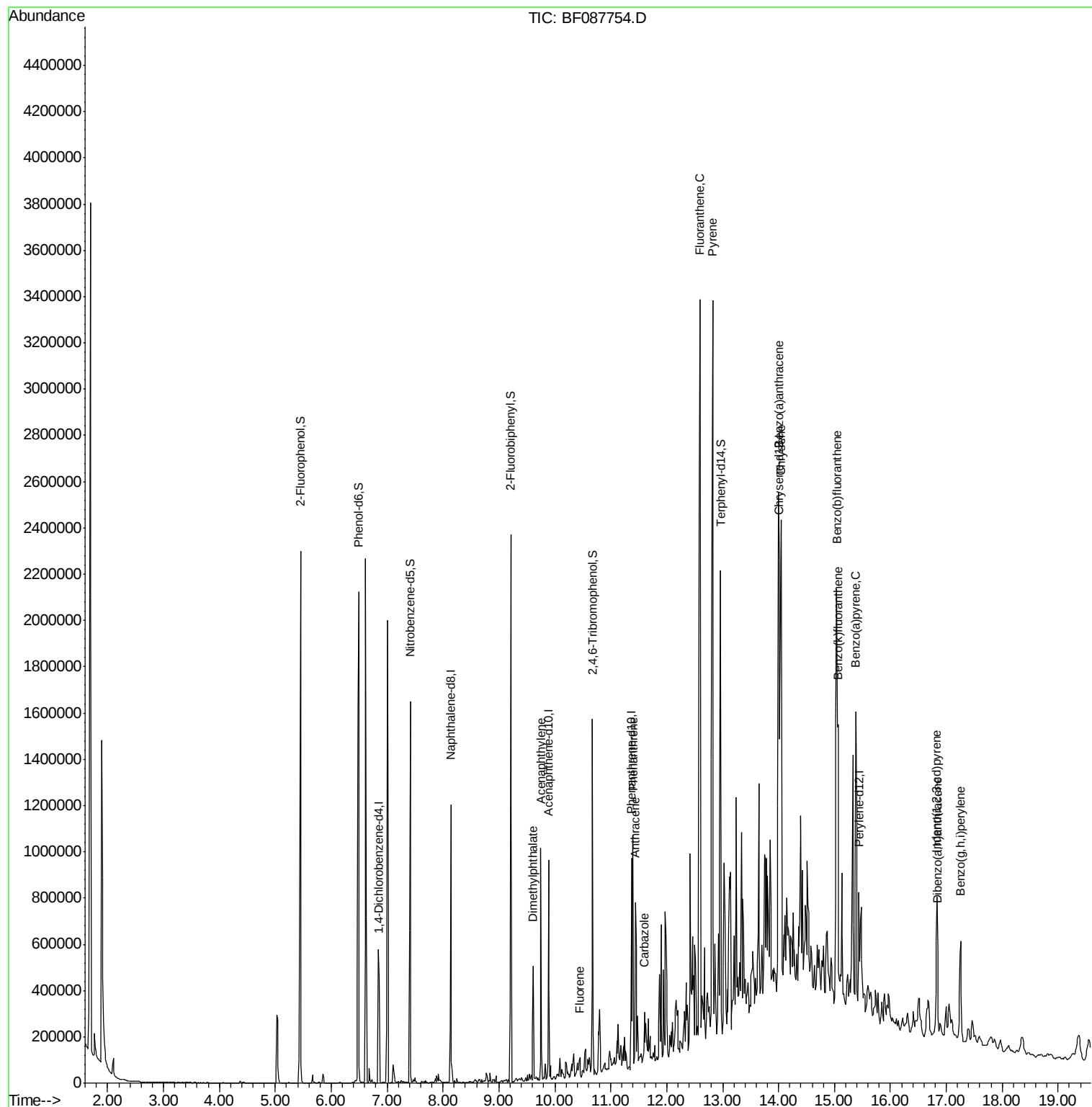
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060616\
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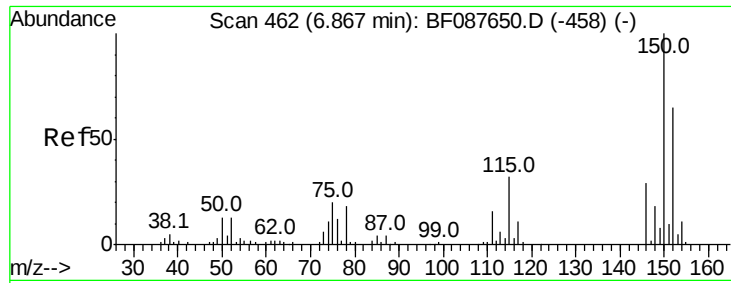
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#1

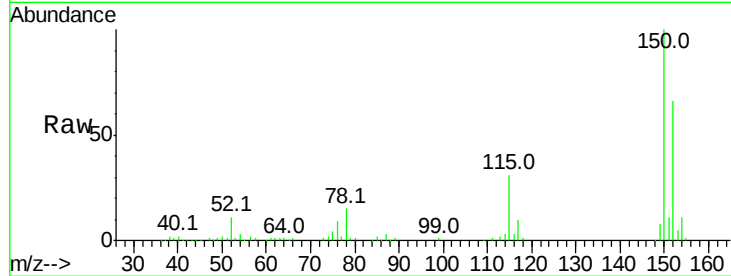
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 461
Delta R.T. -0.01 min
Lab File: BF087754.D
Acq: 6 Jun 2016 16:13

Instrument :
BNA_F
ClientSampleId :
SC-1491(0-4)

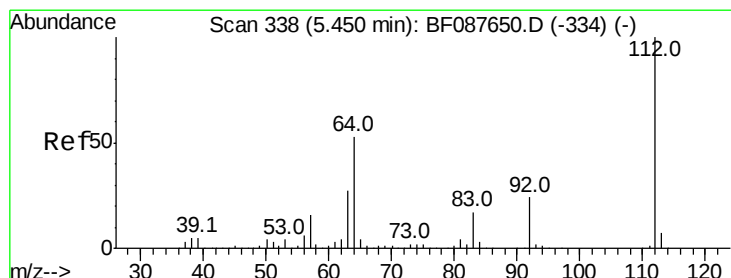
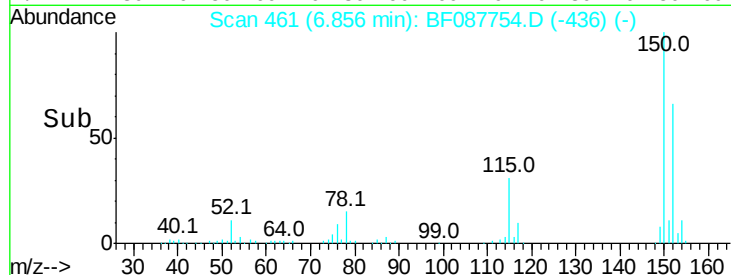
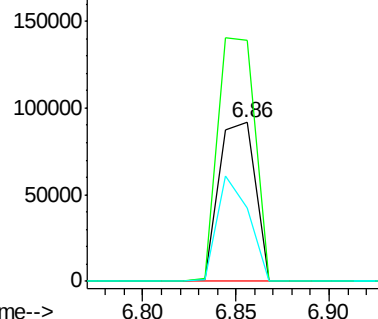
Tot Ion	Ratio	Resp	Lower	Upper
152	100	123461		
150	151.7	123.8	185.6	
115	46.5	39.6	59.4	

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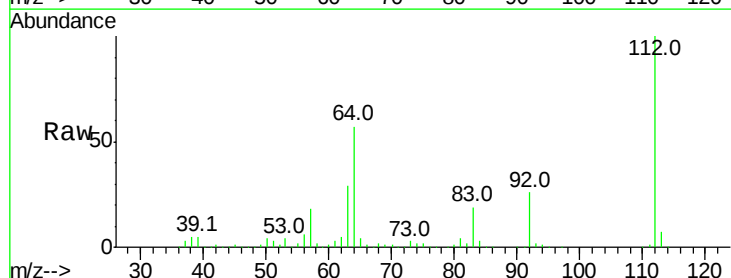
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



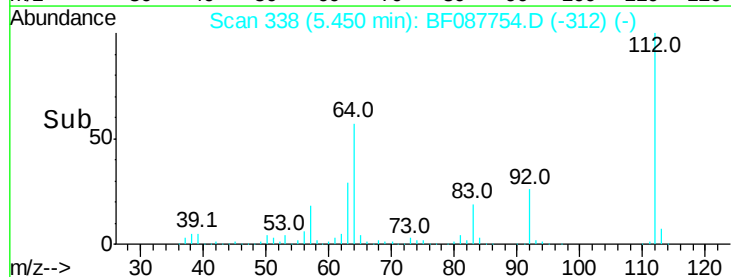
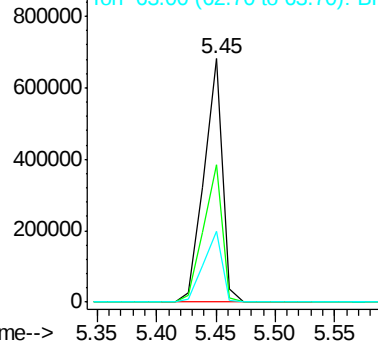
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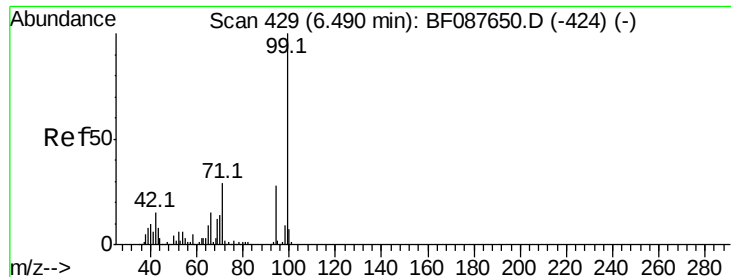
2-Fluorophenol
Concen: 95.73 ng
RT: 5.45 min Scan# 338
Delta R.T. 0.00 min
Lab File: BF087754.D
Acq: 6 Jun 2016 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	731196		
64	56.6	42.2	63.2	
63	29.3	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: 111.57 ng

RT: 6.49 min Scan# 429

Delta R.T. -0.00 min

Lab File: BF087754.D

Acq: 6 Jun 2016 16:13

Instrument :

BNA_F

ClientSampleId :

SC-1491(0-4)

Tot Ion: 99 Resp: 1068757

Ion Ratio Lower Upper

99 100

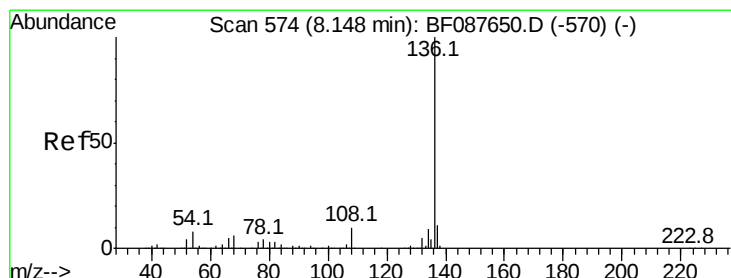
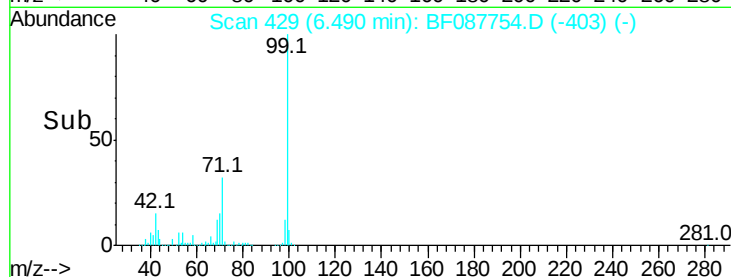
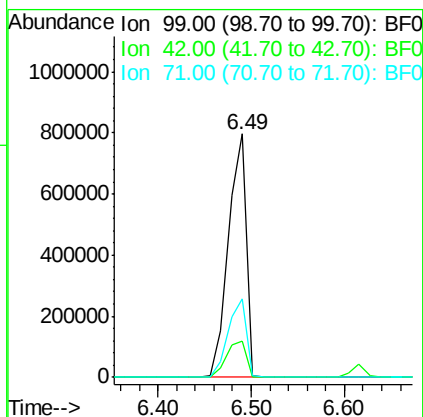
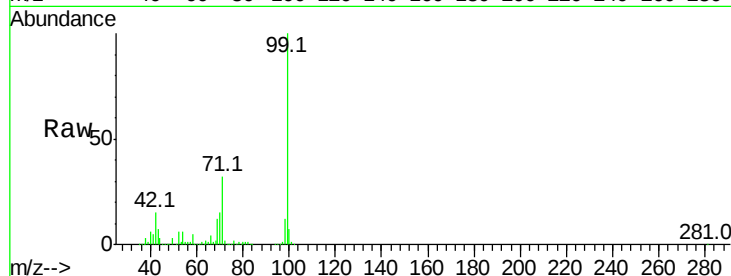
42 14.9 12.2 18.2

71 32.2 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: BF087754.D

Acq: 6 Jun 2016 16:13

Tgt Ion: 136 Resp: 503220

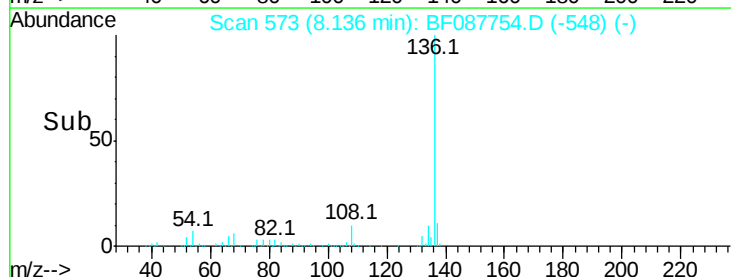
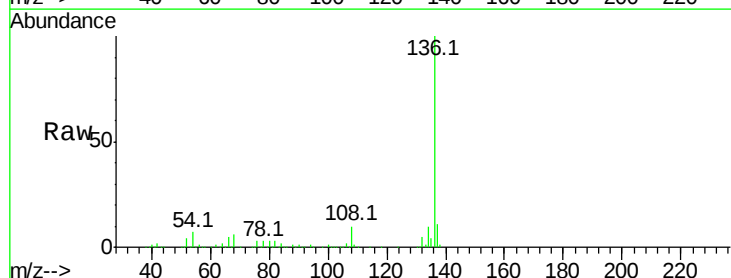
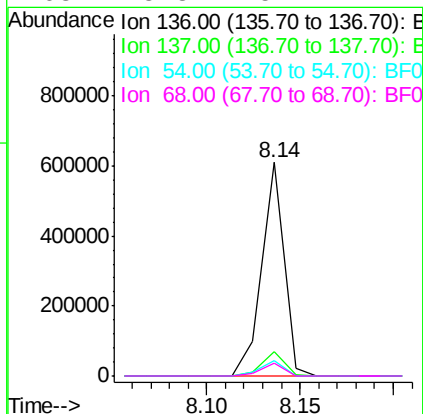
Ion Ratio Lower Upper

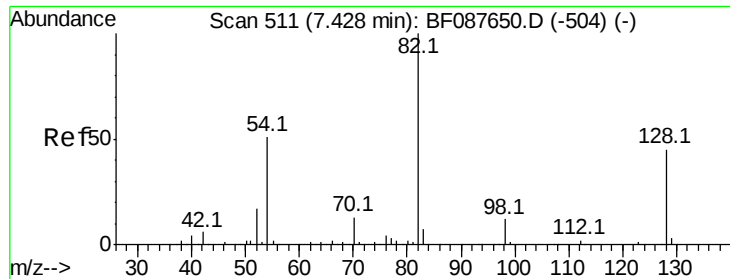
136 100

137 11.2 9.1 13.7

54 7.0 6.6 10.0

68 5.8 5.1 7.7





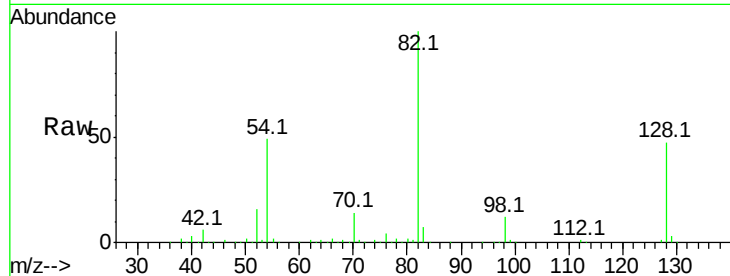
#23
 Nitrobenzene-d5
 Concen: 65.29 ng
 RT: 7.42 min Scan# 510
 Delta R.T. -0.01 min
 Lab File: BF087754.D
 Acq: 6 Jun 2016 16:13

Instrument :
 BNA_F
 ClientSampleId :
 SC-1491(0-4)

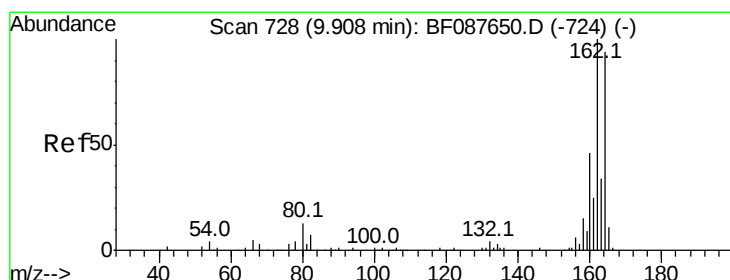
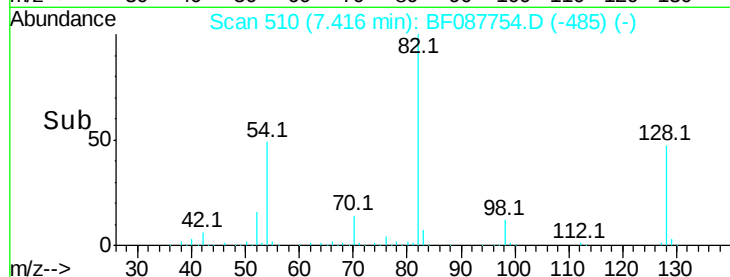
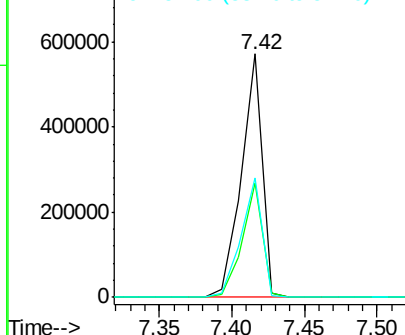
Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.8	35.9	53.9	
54	49.0	40.9	61.3	

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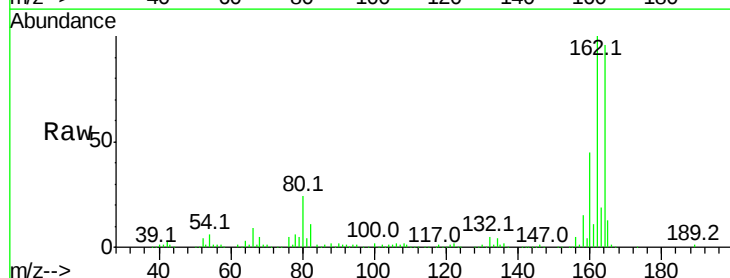


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

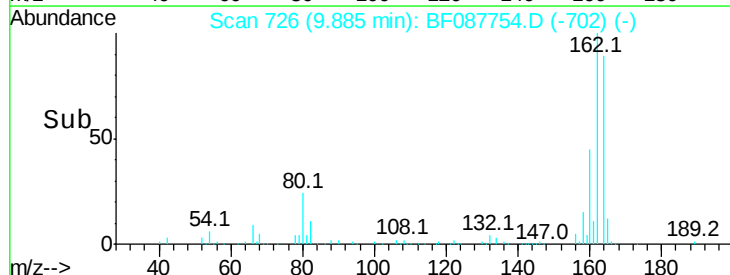
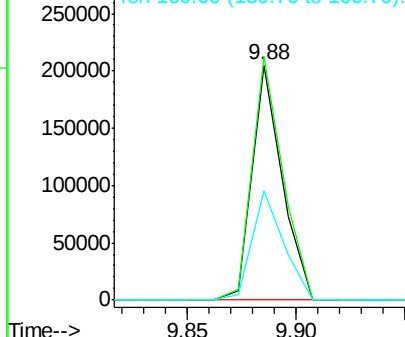


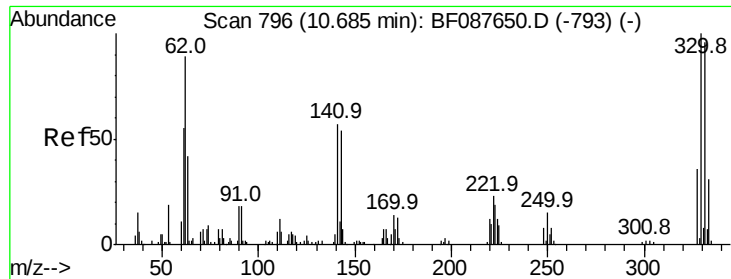
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 726
 Delta R.T. -0.02 min
 Lab File: BF087754.D
 Acq: 6 Jun 2016 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.7	85.4	128.2	
160	46.8	39.5	59.3	



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





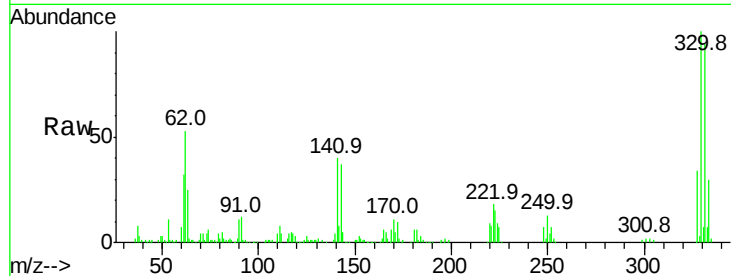
#41
 2,4,6-Tribromophenol
 Concen: 86.02 ng
 RT: 10.67 min Scan# 795
 Delta R.T. -0.01 min
 Lab File: BF087754.D
 Acq: 6 Jun 2016 16:13

Instrument :
 BNA_F
 ClientSampleId :
 SC-1491(0-4)

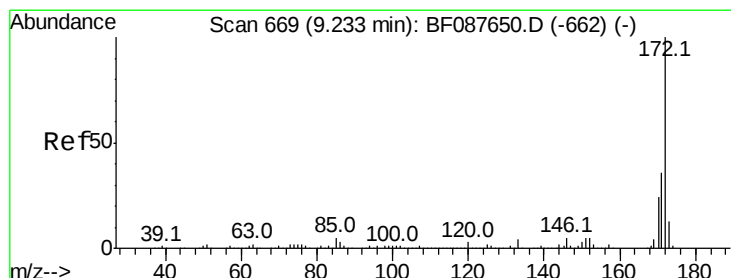
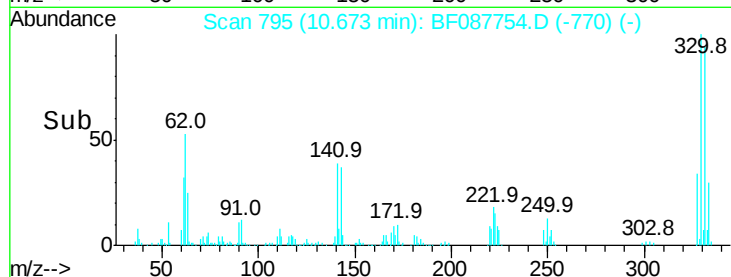
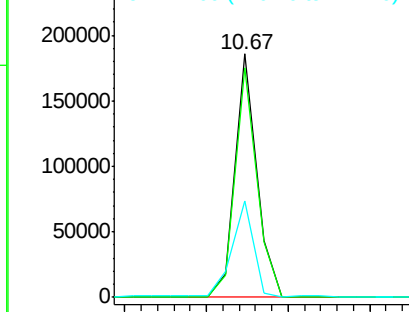
Tot Ion	Ratio	Resp Lower	Resp Upper
330	100		
332	95.2	0.0	0.0#
141	39.5	0.0	0.0#

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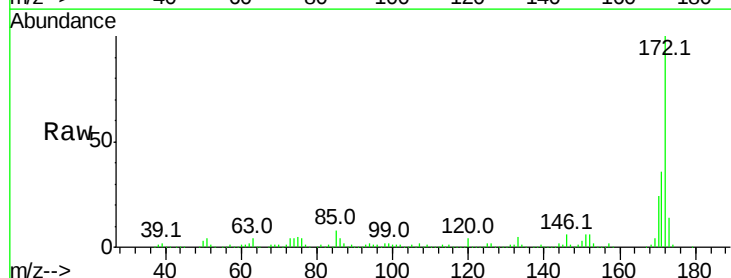


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

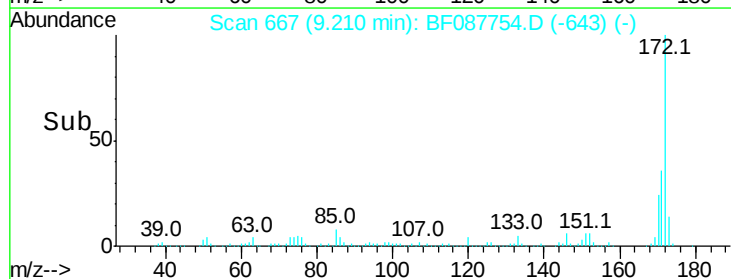
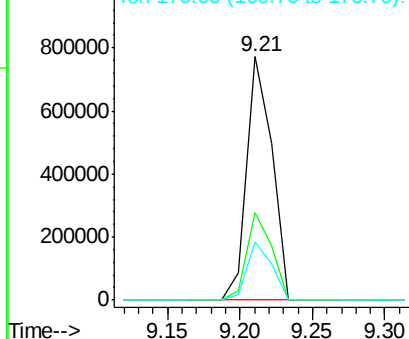


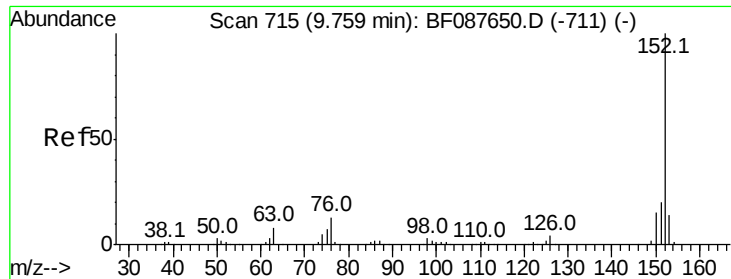
#44
 2-Fluorobiphenyl
 Concen: 68.62 ng
 RT: 9.21 min Scan# 667
 Delta R.T. -0.02 min
 Lab File: BF087754.D
 Acq: 6 Jun 2016 16:13

Tgt Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	35.8	28.6	43.0
170	23.8	19.2	28.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





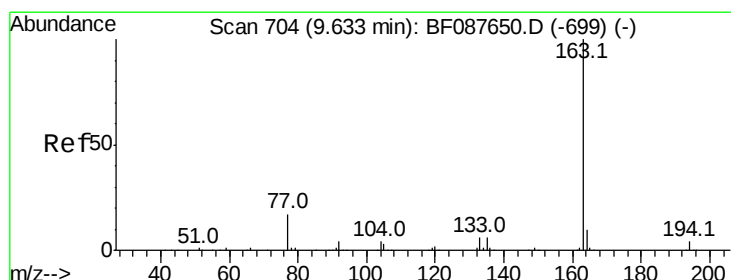
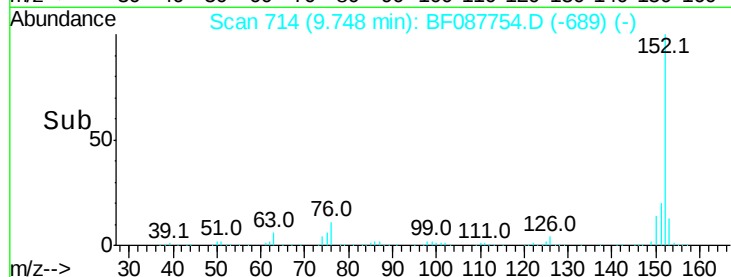
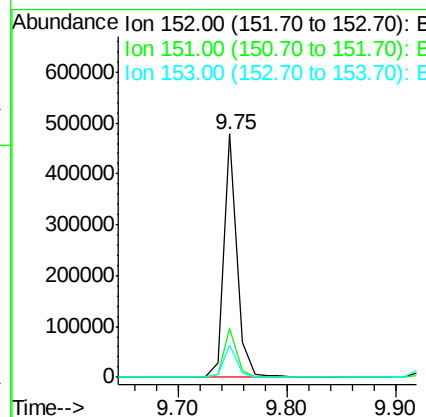
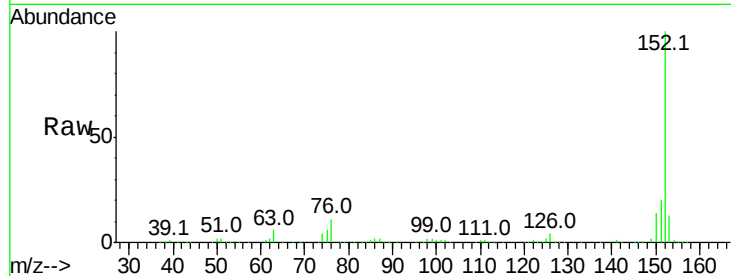
#48
Acenaphthylene
Concen: 20.38 ng
RT: 9.75 min Scan# 714
Delta R.T. -0.01 min
Lab File: BF087754.D
Acq: 6 Jun 2016 16:13

Instrument :
BNA_F
ClientSampleId :
SC-1491(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
152	100	403923		
151	20.2		16.2	24.4
153	13.5		11.0	16.6

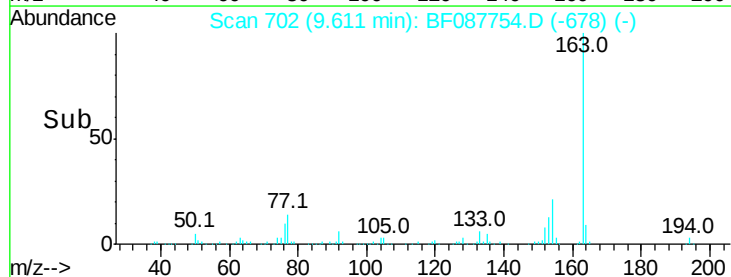
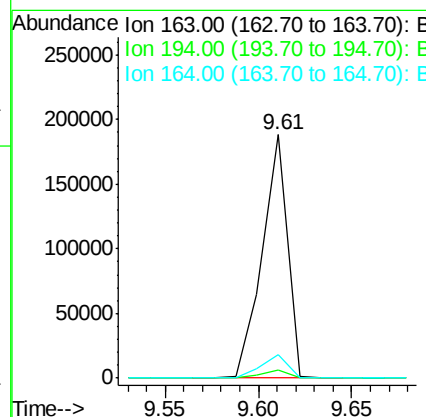
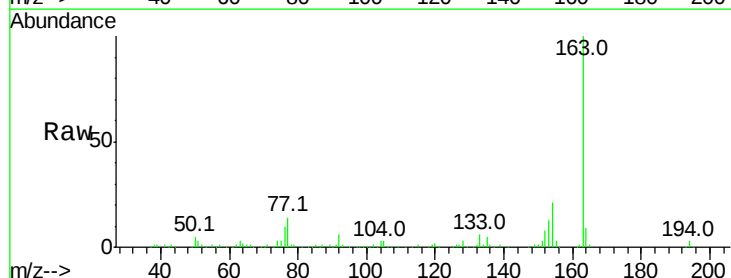
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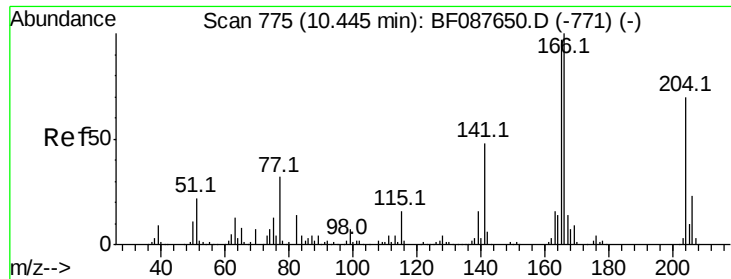
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#49
Dimethylphthalate
Concen: 12.26 ng
RT: 9.61 min Scan# 702
Delta R.T. -0.02 min
Lab File: BF087754.D
Acq: 6 Jun 2016 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	175271		
194	3.5		2.8	4.2
164	9.5		8.3	12.5





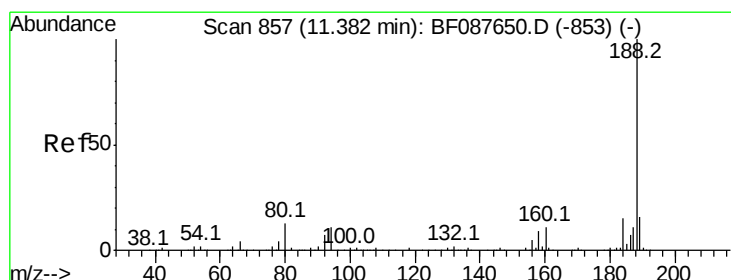
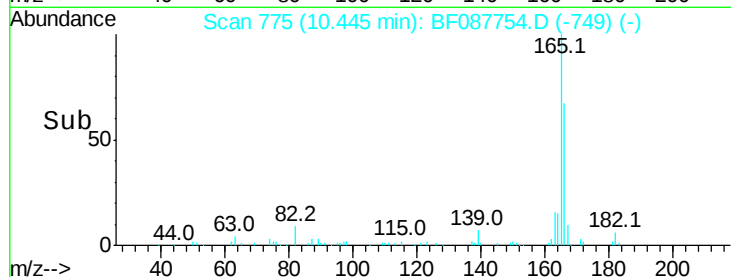
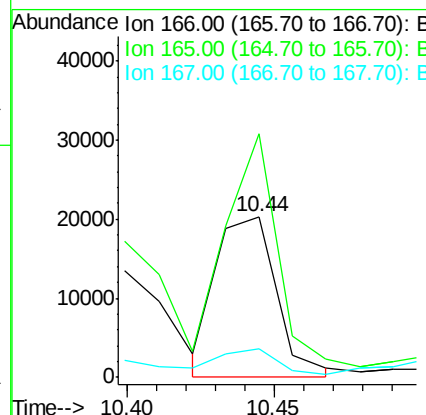
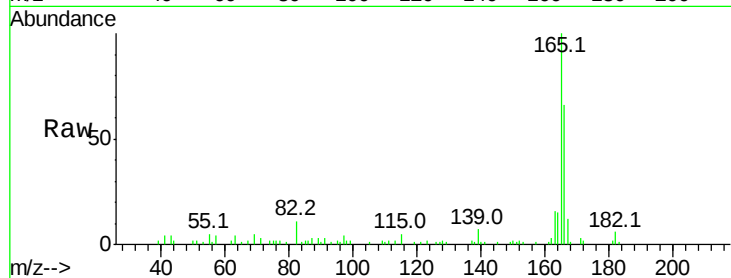
#57
Fluorene
 Concen: 2.18 ng/mL
 RT: 10.44 min Scan# 775
 Delta R.T. 0.00 min
 Lab File: BF087754.D
 Acq: 6 Jun 2016 16:13

Instrument :
 BNA_F
 ClientSampleID :
 SC-1491(0-4)

Tot Ion	166	165	167
Resp	29522	151.3	17.7
Ratio	100	151.3	17.7
Lower		77.8	11.2
Upper		116.8#	16.8#

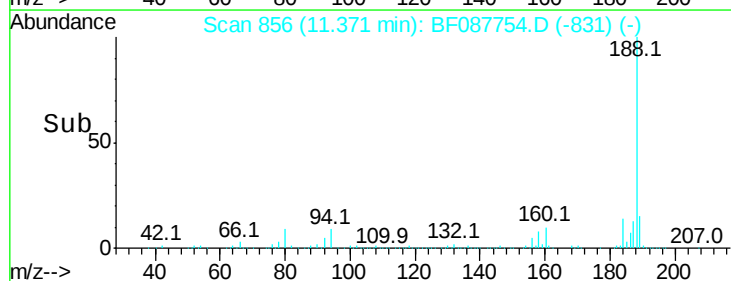
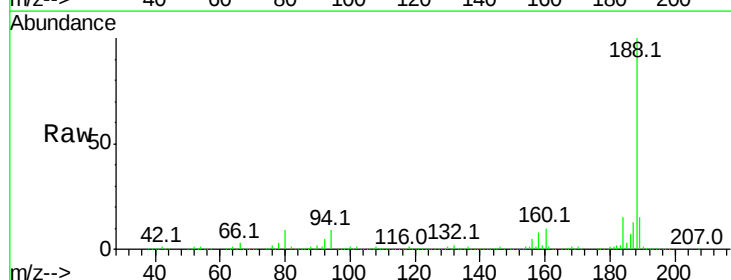
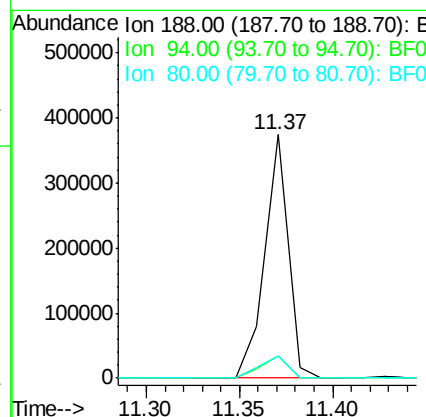
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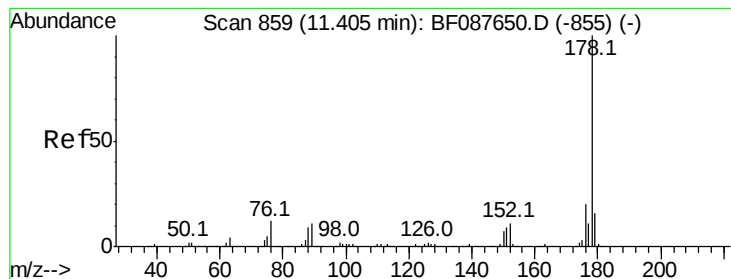
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.37 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: BF087754.D
 Acq: 6 Jun 2016 16:13

Tgt Ion	188	94	80
Resp	323760	8.9	9.3
Ratio	100	8.9	9.3
Lower		9.0	10.0
Upper		13.6#	15.0#





#70

Phenanthrene

Concen: 20.04 ng

RT: 11.39 min Scan# 858

Delta R.T. -0.01 min

Lab File: BF087754.D

Acq: 6 Jun 2016 16:13

Instrument :

BNA_F

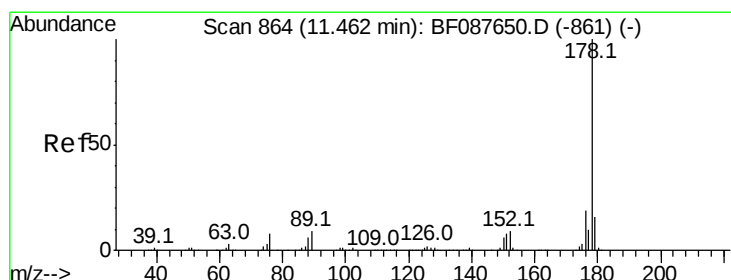
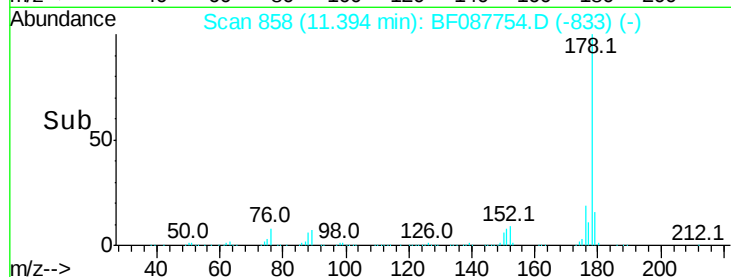
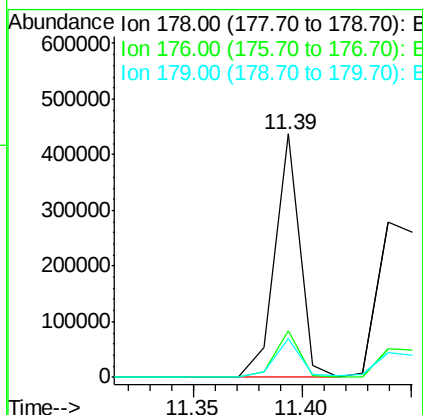
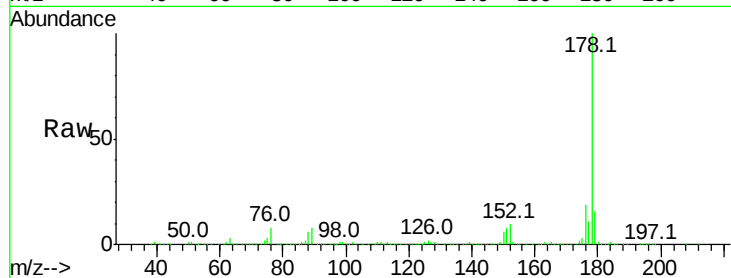
ClientSampled :

SC-1491(0-4)

Tot Ion:	178	Resp:	351743
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.8	23.6
179	15.9	13.0	19.4

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#71

Anthracene

Concen: 22.83 ng

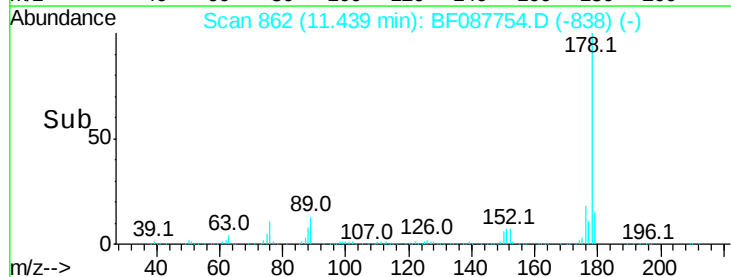
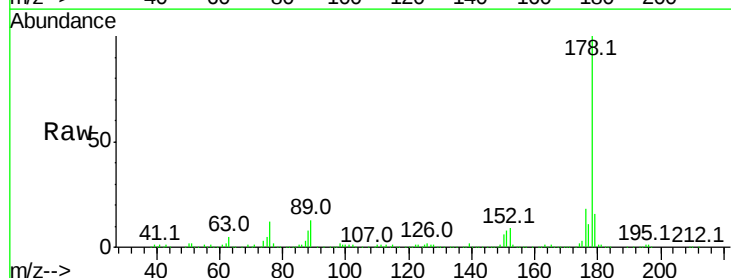
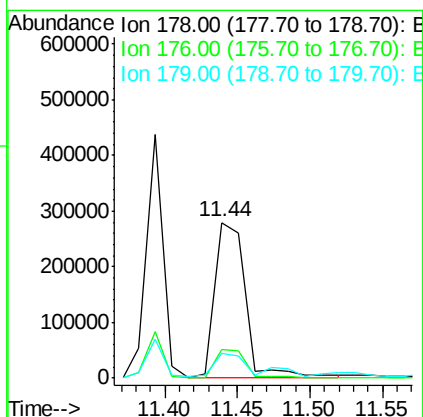
RT: 11.44 min Scan# 862

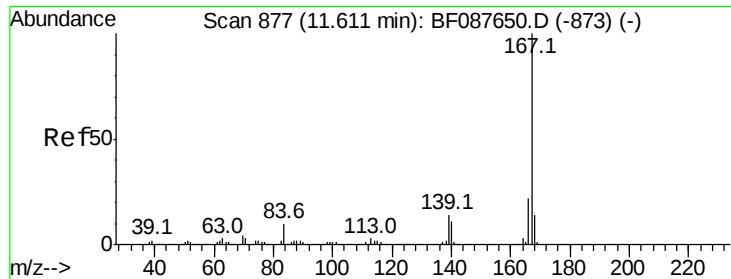
Delta R.T. -0.02 min

Lab File: BF087754.D

Acq: 6 Jun 2016 16:13

Tgt Ion:	178	Resp:	401481
Ion Ratio	Lower	Upper	
178	100		
176	18.3	15.6	23.4
179	16.0	12.8	19.2





#72

Carbazole

Concen: 4.14 ng

RT: 11.60 min Scan# 876

Delta R.T. -0.01 min

Lab File: BF087754.D

Acq: 6 Jun 2016 16:13

Instrument :

BNA_F

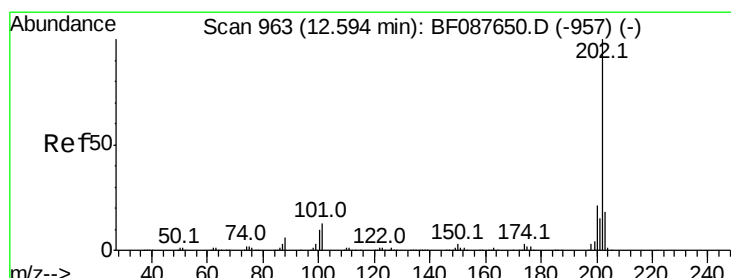
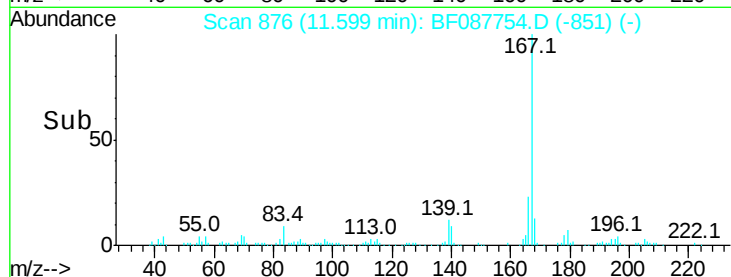
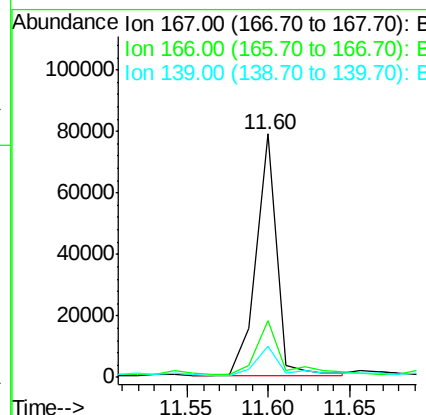
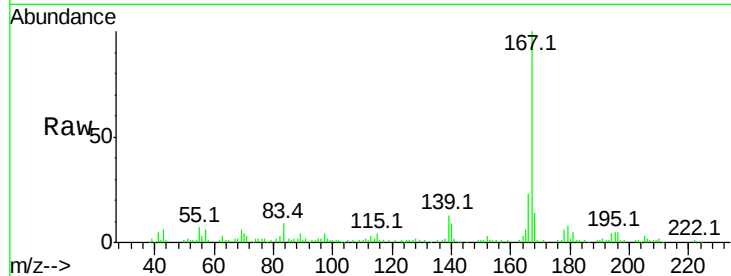
ClientSampleId :

SC-1491(0-4)

Tot Ion:	167	Resp:	68986
Ion Ratio	Lower	Upper	
167	100		
166	23.3	17.8	26.6
139	13.0	11.2	16.8

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#74

Fluoranthene

Concen: 97.84 ng

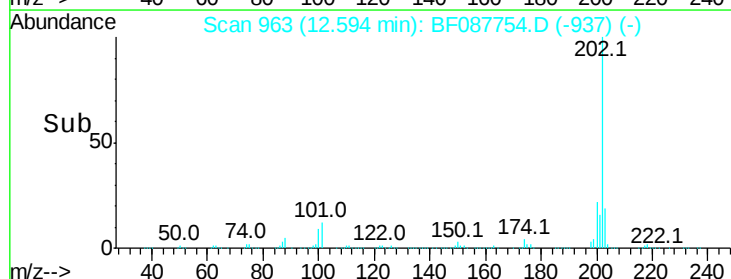
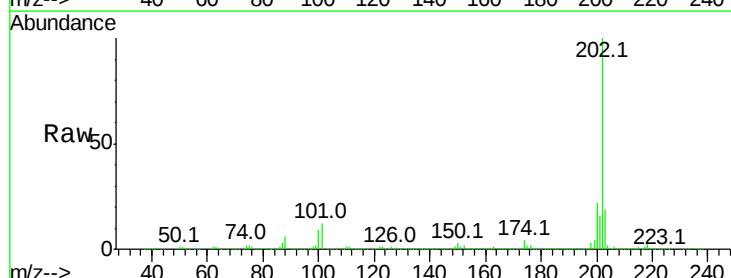
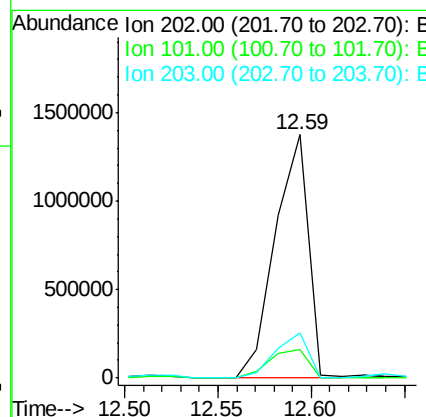
RT: 12.59 min Scan# 963

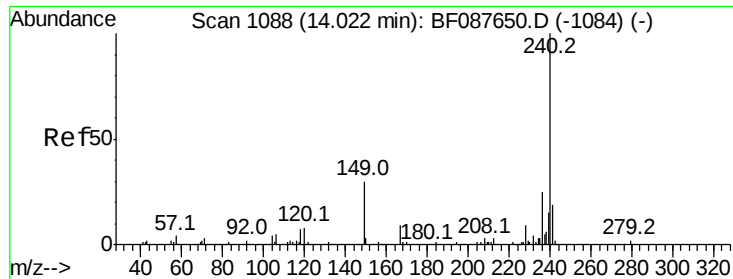
Delta R.T. -0.00 min

Lab File: BF087754.D

Acq: 6 Jun 2016 16:13

Tgt Ion:	202	Resp:	1690176
Ion Ratio	Lower	Upper	
202	100		
101	11.8	0.0	33.1
203	18.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.01 min Scan# 1087

Delta R.T. -0.01 min

Lab File: BF087754.D

Acq: 6 Jun 2016 16:13

Instrument :

BNA_F

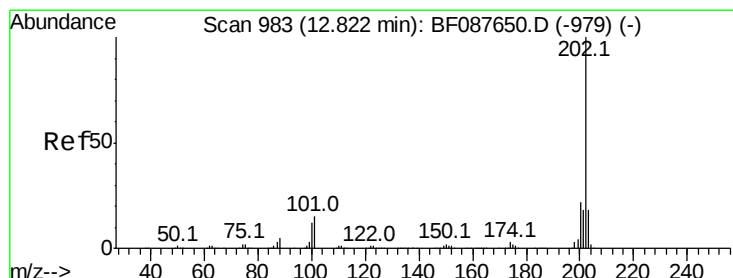
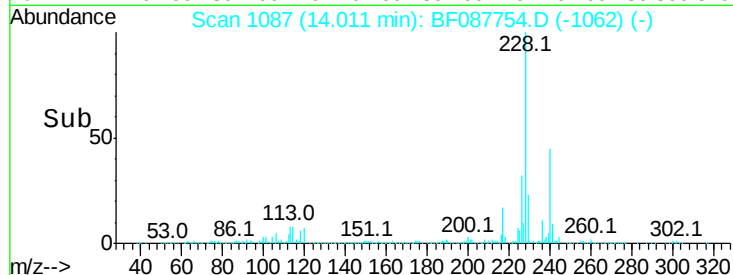
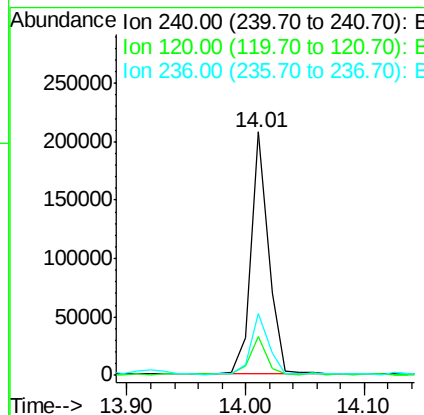
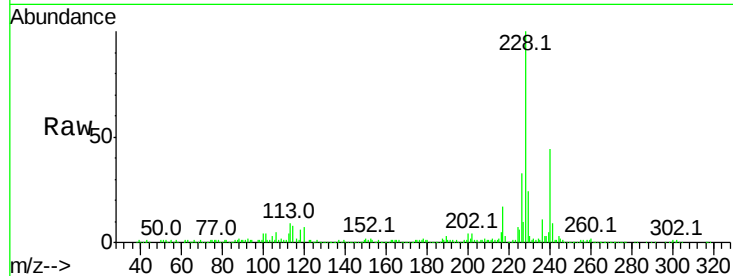
ClientSampleId :

SC-1491(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
240	100	216783		
120	15.8	6.8	10.2#	
236	25.6	20.2	30.2	

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#77

Pyrene

Concen: 109.67 ng

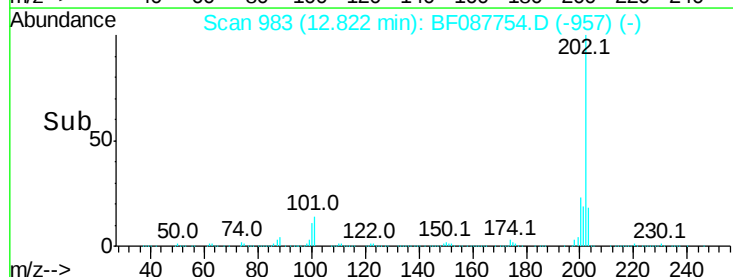
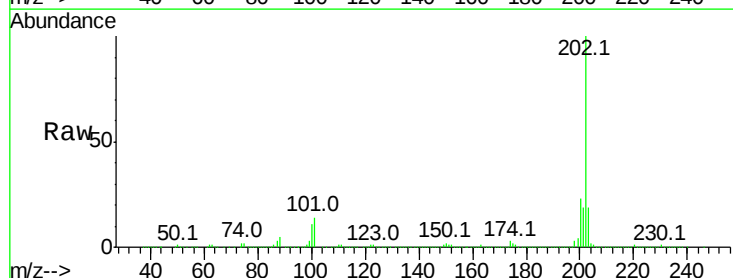
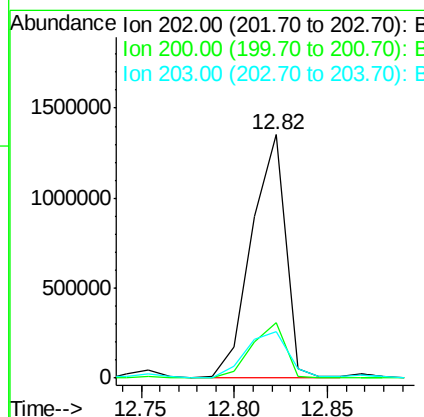
RT: 12.82 min Scan# 983

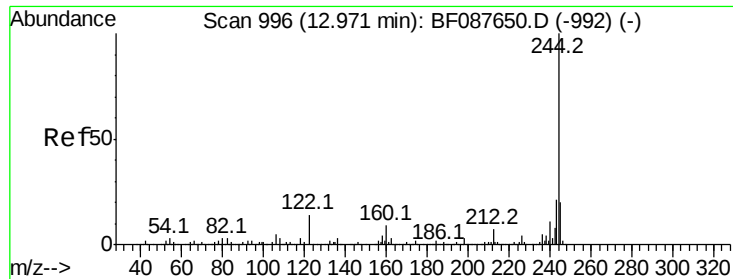
Delta R.T. -0.00 min

Lab File: BF087754.D

Acq: 6 Jun 2016 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1692931		
200	22.9	17.4	26.2	
203	18.9	14.5	21.7	





#78

Terphenyl-d14

Concen: 66.94 ng

RT: 12.96 min Scan# 995

Delta R.T. -0.01 min

Lab File: BF087754.D

Acq: 6 Jun 2016 16:13

Instrument :

BNA_F

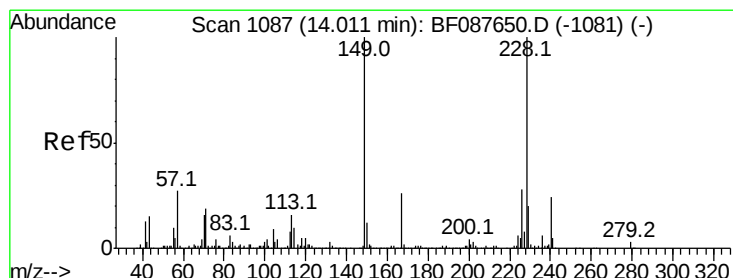
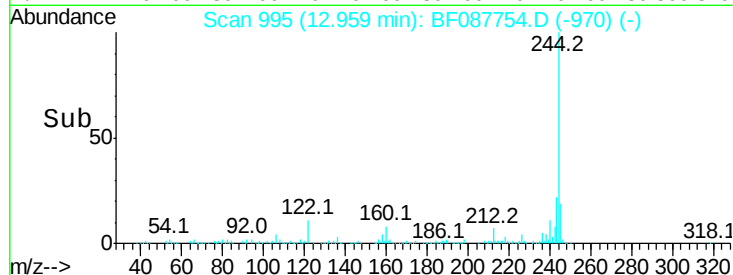
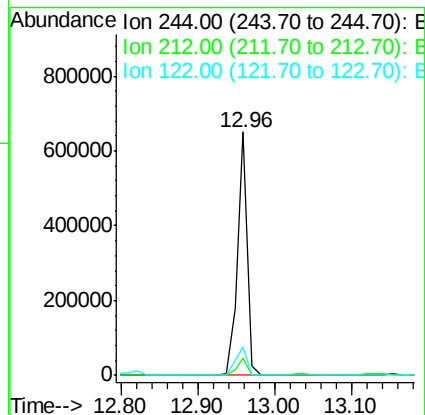
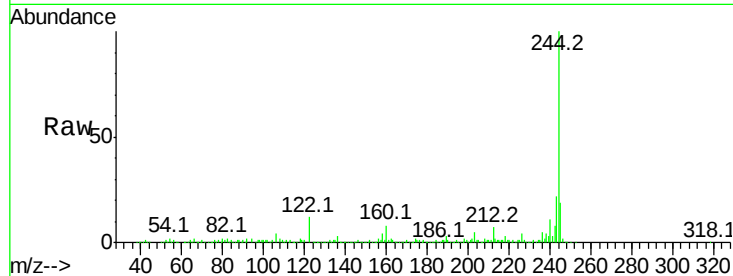
ClientSampleId :

SC-1491(0-4)

Tot Ion:	244	Resp:	594662
Ion Ratio	Lower	Upper	
244	100		
212	7.1	6.0	9.0
122	11.6	11.2	16.8

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#80

Benzo(a)anthracene

Concen: 96.11 ng m

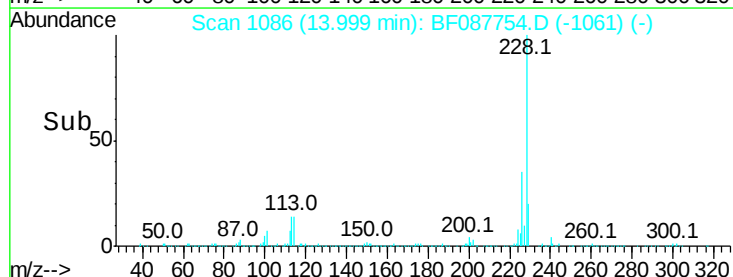
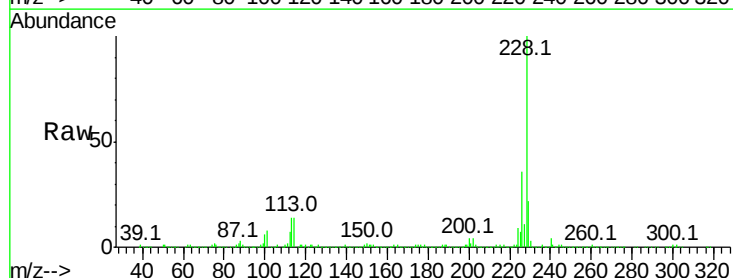
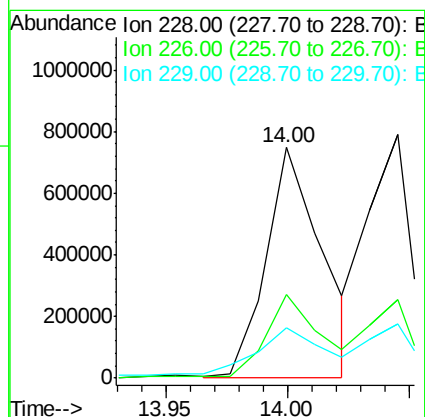
RT: 14.00 min Scan# 1086

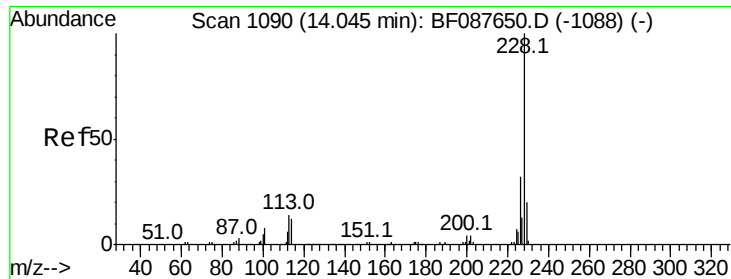
Delta R.T. -0.01 min

Lab File: BF087754.D

Acq: 6 Jun 2016 16:13

Tgt Ion:	228	Resp:	1202439
Ion Ratio	Lower	Upper	
228	100		
226	36.1	22.3	33.5#
229	22.0	16.0	24.0





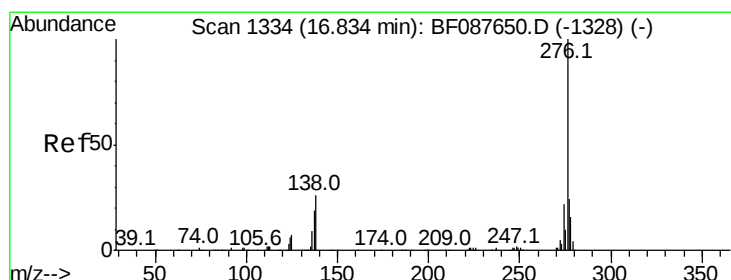
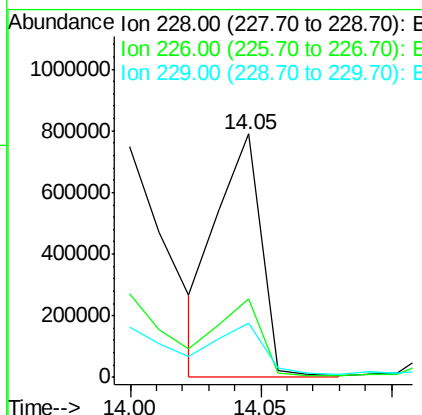
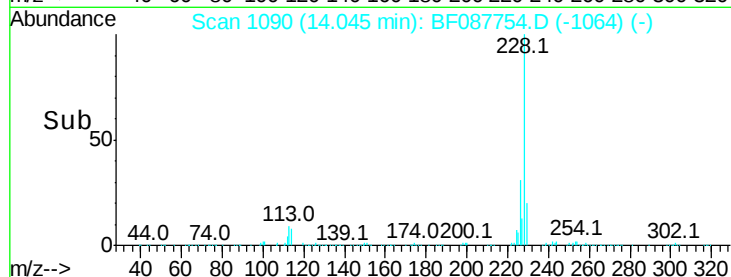
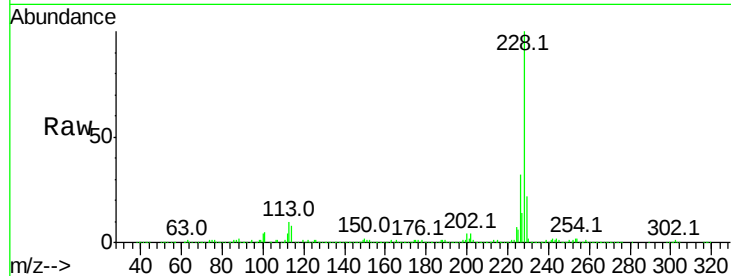
#82
Chrysene
Concen: 74.96 ng
RT: 14.05 min Scan# 1090
Delta R.T. -0.00 min
Lab File: BF087754.D
Acq: 6 Jun 2016 16:13

Instrument :
BNA_F
ClientSampleId :
SC-1491(0-4)

Tot Ion:	228	Resp:	933479
Ion Ratio	Lower	Upper	
228	100		
226	32.1	25.4	38.2
229	22.5	16.3	24.5

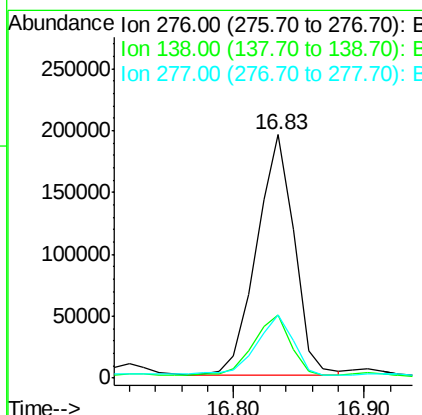
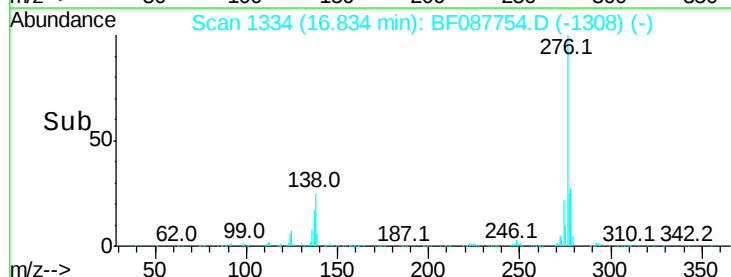
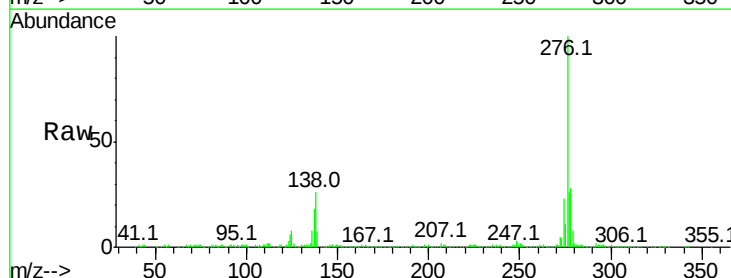
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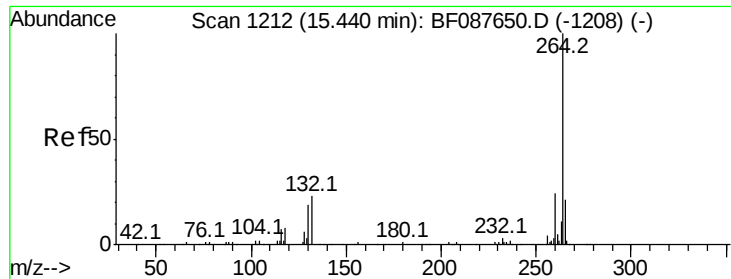
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#85
Indeno(1,2,3-cd)pyrene
Concen: 37.40 ng
RT: 16.83 min Scan# 1334
Delta R.T. -0.00 min
Lab File: BF087754.D
Acq: 6 Jun 2016 16:13

Tgt Ion:	276	Resp:	384916
Ion Ratio	Lower	Upper	
276	100		
138	25.0	0.0	0.0#
277	25.1	0.0	0.0#





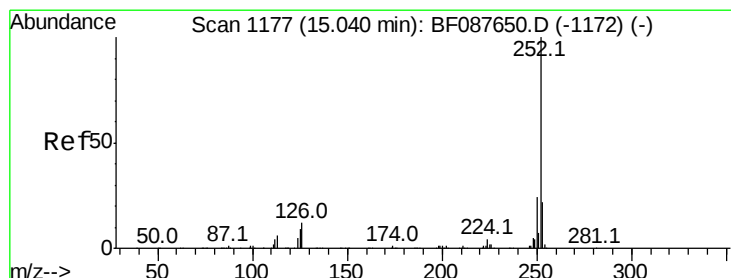
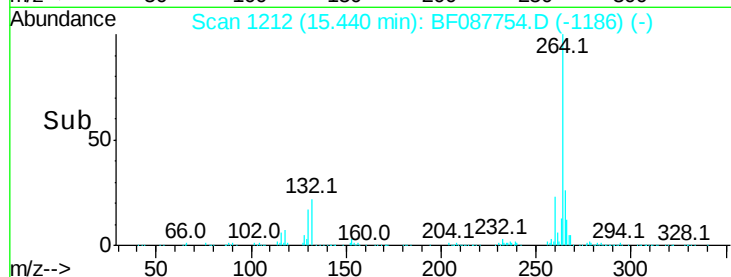
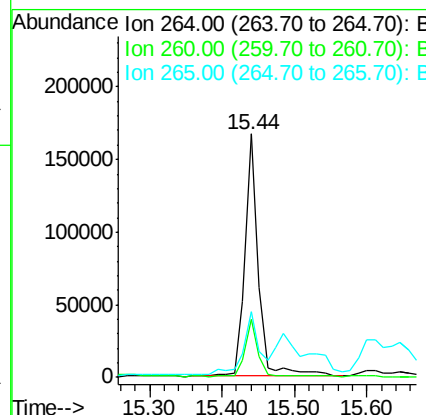
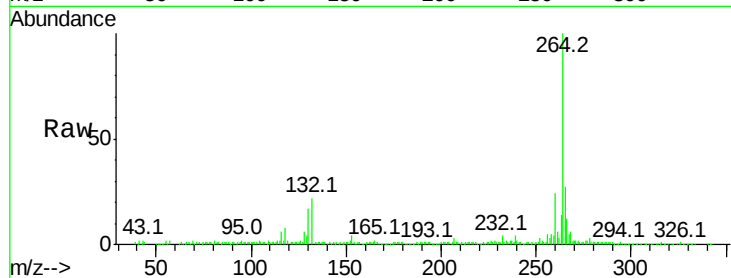
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1212
Delta R.T. -0.00 min
Lab File: BF087754.D
Acq: 6 Jun 2016 16:13

Instrument :
BNA_F
ClientSampleId :
SC-1491(0-4)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	27.1	16.9	25.3

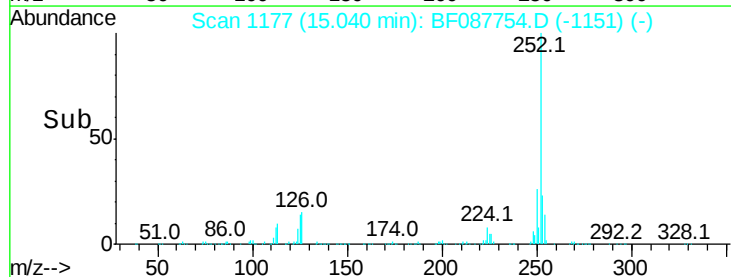
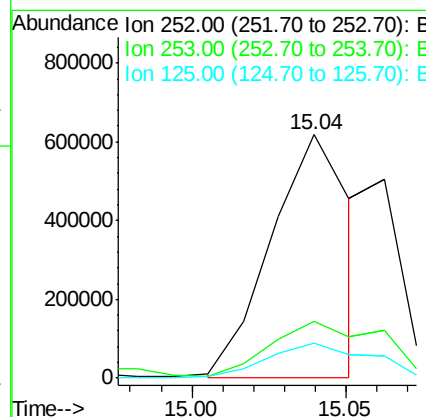
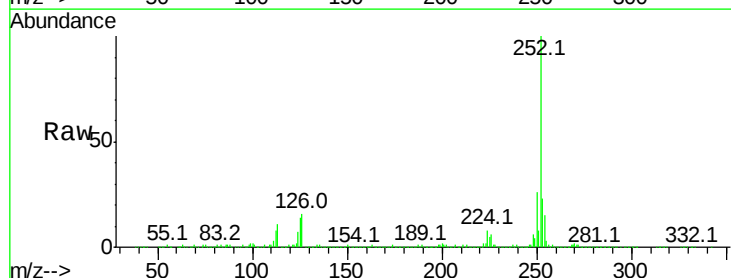
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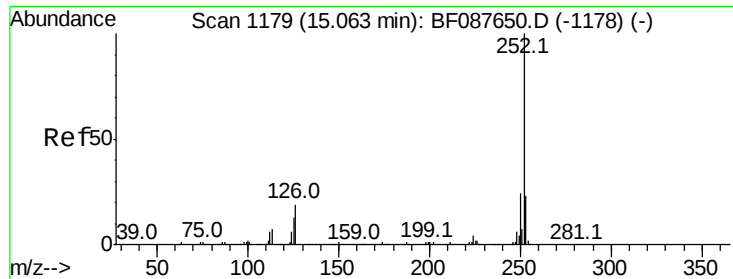
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#87
Benzo(b)fluoranthene
Concen: 79.54 ng m
RT: 15.04 min Scan# 1177
Delta R.T. -0.00 min
Lab File: BF087754.D
Acq: 6 Jun 2016 16:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.2
125	14.2	7.1	10.7





#88

Benzo(k)fluoranthene

Concen: 33.76 ng/mL

RT: 15.06 min Scan# 1179

Delta R.T. 0.00 min

Lab File: BF087754.D

Acq: 6 Jun 2016 16:13

Instrument :

BNA_F

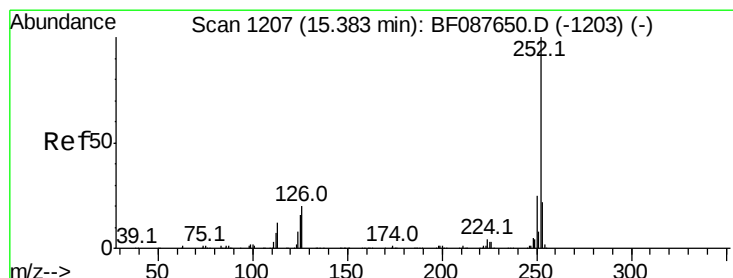
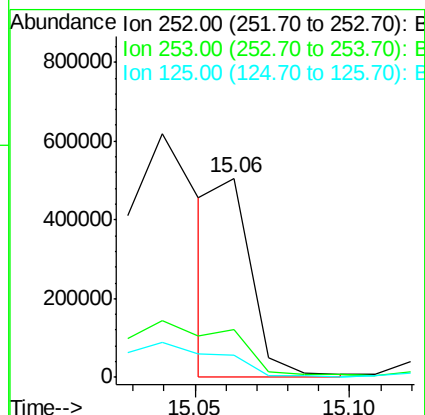
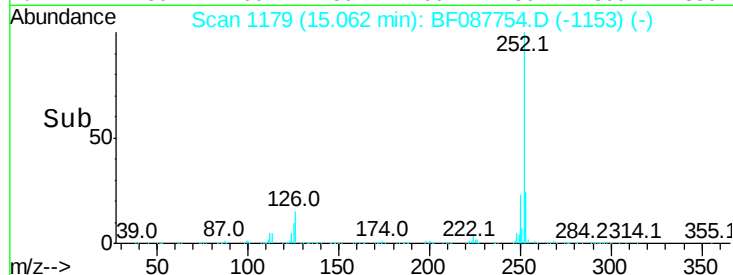
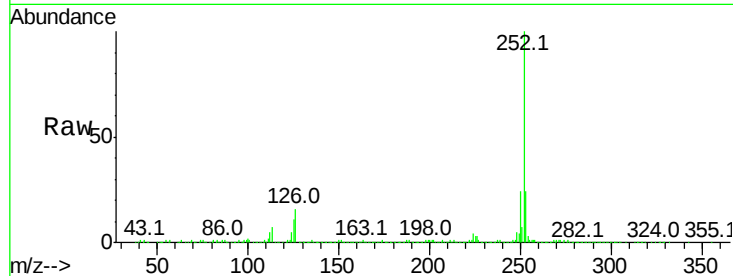
ClientSampleId :

SC-1491(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
252	100	395119		
253	24.3	18.0	27.0	
125	11.0	11.2	16.8	

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#89

Benzo(a)pyrene

Concen: 59.45 ng/mL

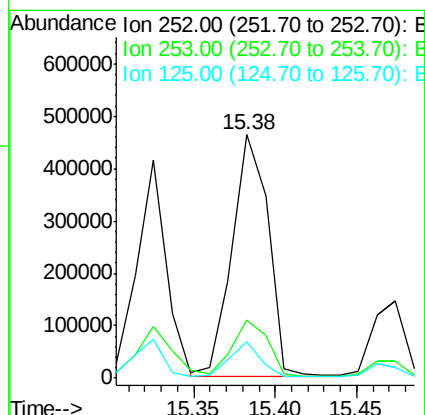
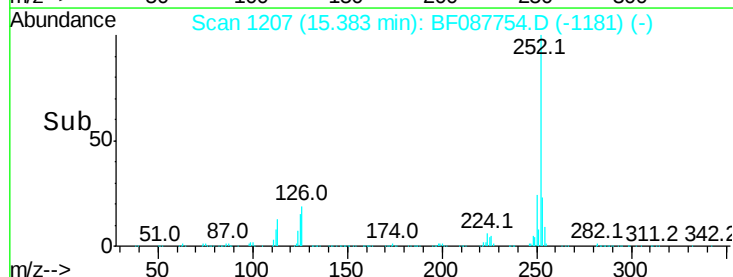
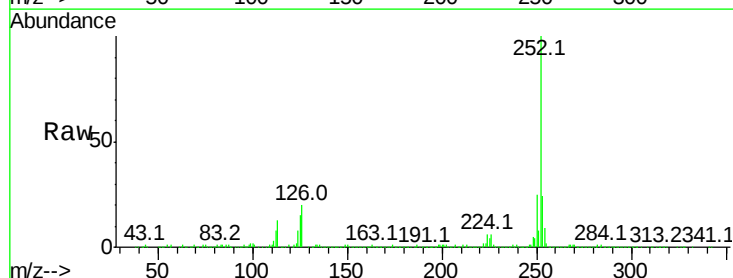
RT: 15.38 min Scan# 1207

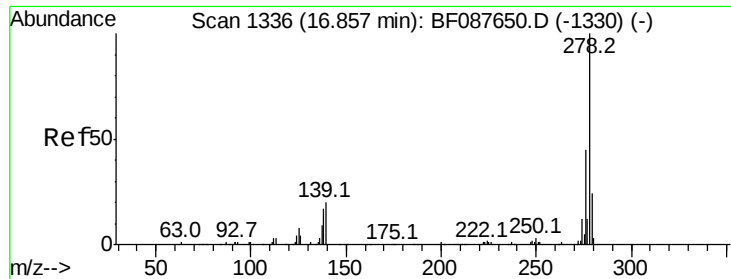
Delta R.T. -0.00 min

Lab File: BF087754.D

Acq: 6 Jun 2016 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	702876		
253	24.1	17.9	26.9	
125	15.1	12.5	18.7	





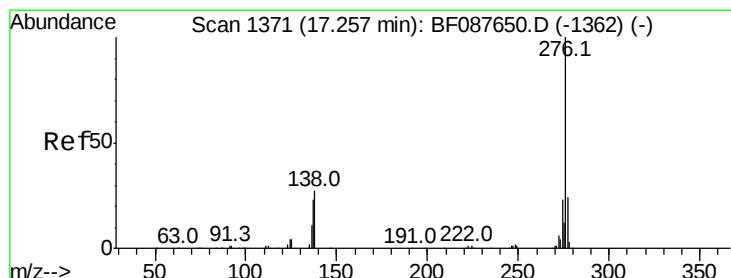
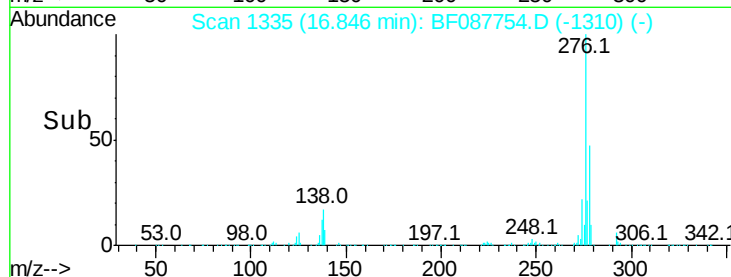
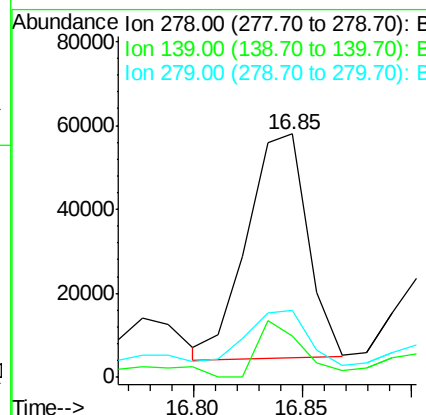
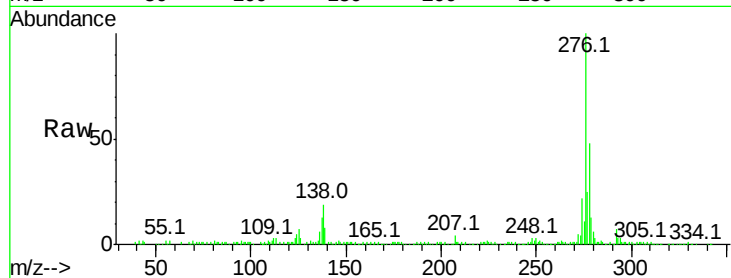
#90
Dibenzo(a,h)anthracene
Concen: 10.31 ng
RT: 16.85 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF087754.D
Acq: 6 Jun 2016 16:13

Instrument :
BNA_F
ClientSampleId :
SC-1491(0-4)

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.2	15.7	23.5
279	27.7	19.4	29.2

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#91
Benzo(g,h,i)perylene
Concen: 35.20 ng
RT: 17.26 min Scan# 1371
Delta R.T. -0.00 min
Lab File: BF087754.D
Acq: 6 Jun 2016 16:13

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.9	28.3
138	23.2	21.4	32.2

