

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110416\
 Data File : BF091043.D
 Acq On : 5 Nov 2016 1:41
 Operator : UM/SJ
 Sample : H5493-25 10X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-6(0-2)

Manual Integrations
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Quant Time: Nov 07 05:54:34 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 04 11:03:12 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	168373	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	625461	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	310816	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	420944	20.00	ng	-0.01
75) Chrysene-d12	13.86	240	398335	20.00	ng	0.00
86) Perylene-d12	15.25	264	319564	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	105322	10.33	ng	0.00
7) Phenol-d6	6.35	99	165209	11.94	ng	0.00
23) Nitrobenzene-d5	7.26	82	79038	6.89	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	24294	8.65	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	165101	9.15	ng	0.00
78) Terphenyl-d14	12.81	244	122739	7.69	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	9.61	152	200188	7.45	ng	99
49) Dimethylphthalate	9.47	163	54990	2.70	ng	98
51) Acenaphthene	9.78	154	45652	2.71	ng	99
57) Fluorene	10.29	166	125252	6.75	ng	96
70) Phenanthrene	11.25	178	677483	30.28	ng	97
71) Anthracene	11.30	178	279675	11.76	ng	97
74) Fluoranthene	12.43	202	1029799	44.37	ng	98
77) Pyrene	12.66	202	982086	37.65	ng	99
80) Benzo(a)anthracene	13.85	228	661664	29.26	ng	# 90
82) Chrysene	13.88	228	437607m	19.62	ng	
85) Indeno(1,2,3-cd)pyrene	16.56	276	203578	11.00	ng	95
87) Benzo(b)fluoranthene	14.87	252	583523m	26.92	ng	
88) Benzo(k)fluoranthene	14.89	252	202305m	10.64	ng	
89) Benzo(a)pyrene	15.20	252	432399	22.92	ng	98
90) Dibenzo(a,h)anthracene	16.57	278	59083m	3.62	ng	
91) Benzo(g,h,i)perylene	16.96	276	196419	13.32	ng	98

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

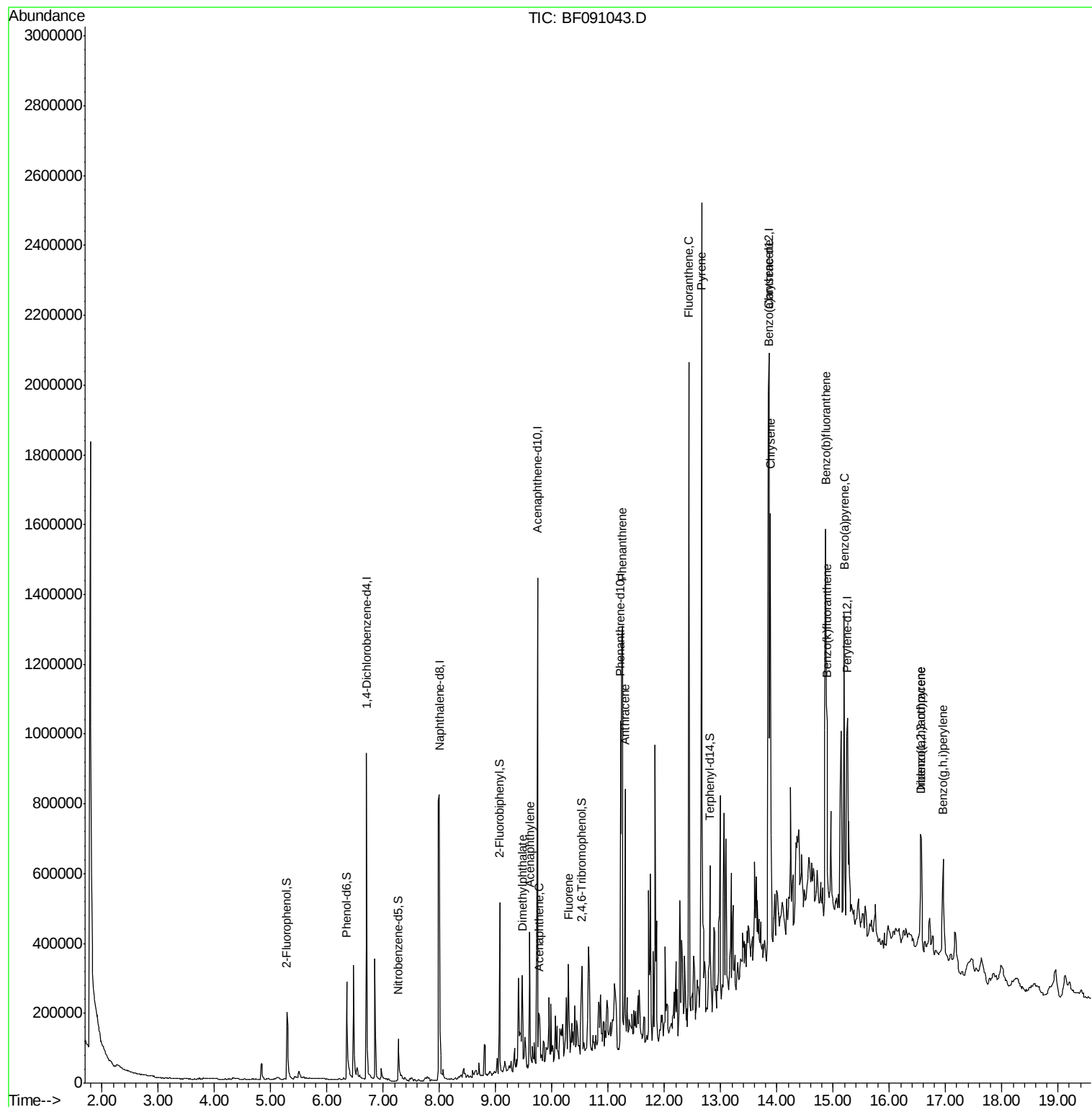
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110416\
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ALS Vial : 35 Sample Multiplier: 1

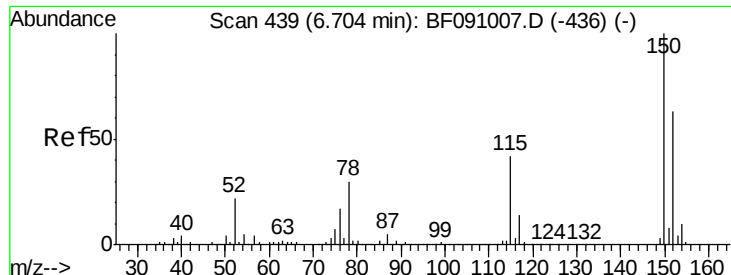
Instrument :
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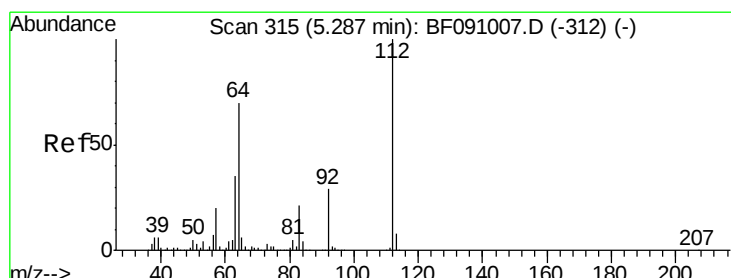
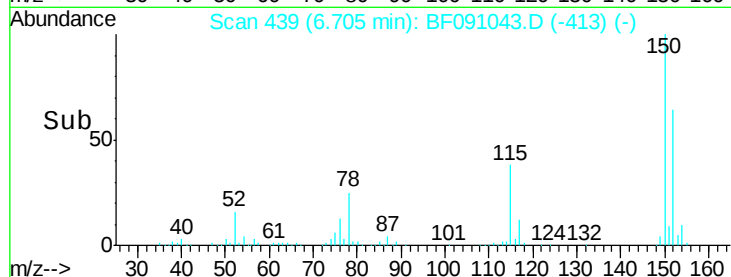
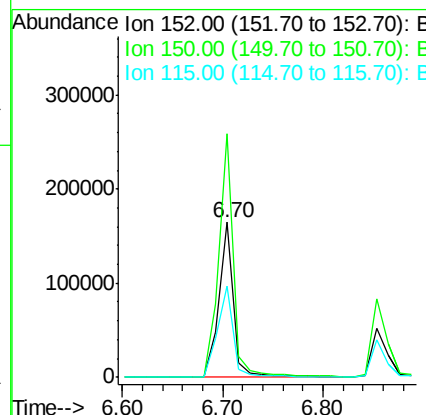
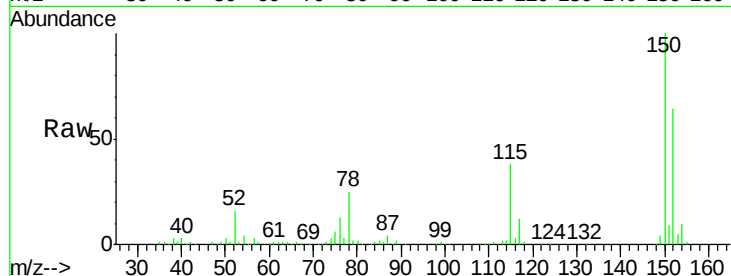
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.70 min Scan# 439
 Delta R.T. 0.00 min
 Lab File: BF091043.D
 Acq: 5 Nov 2016 1:41

Instrument :
 BNA_F
 ClientSampleId :
 SB-6(0-2)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.2	126.8	190.2
115	59.3	53.3	79.9

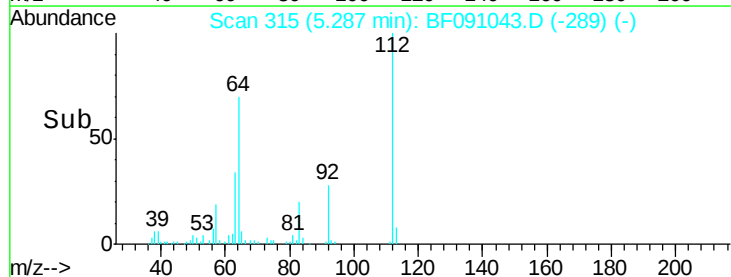
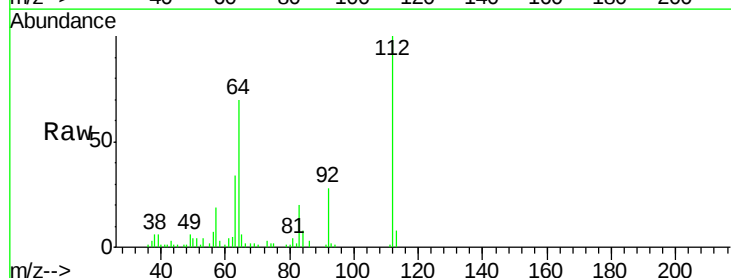
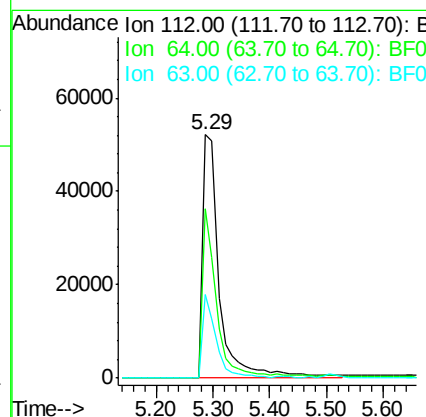
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#5
 2-Fluorophenol
 Concen: 10.33 ng
 RT: 5.29 min Scan# 315
 Delta R.T. 0.00 min
 Lab File: BF091043.D
 Acq: 5 Nov 2016 1:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.8	55.8	83.6
63	34.2	28.0	42.0





#7

Phenol-d6

Concen: 11.94 ng

RT: 6.35 min Scan# 408

Delta R.T. 0.00 min

Lab File: BF091043.D

Acq: 5 Nov 2016 1:41

Instrument :

BNA_F

ClientSampled :

SB-6(0-2)

Tgt Ion: 99 Resp: 165209

Ion Ratio Lower Upper

99 100

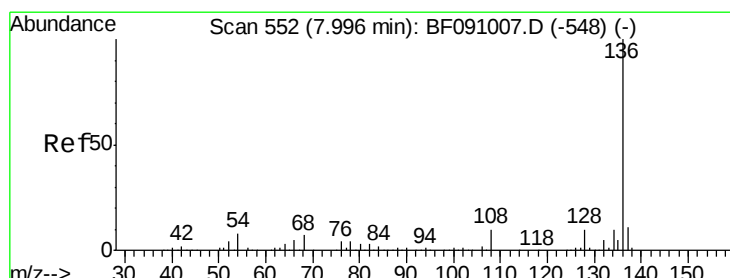
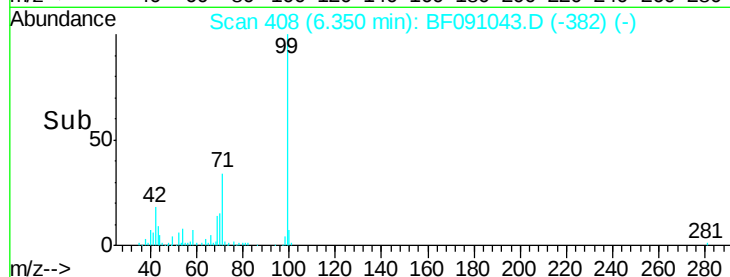
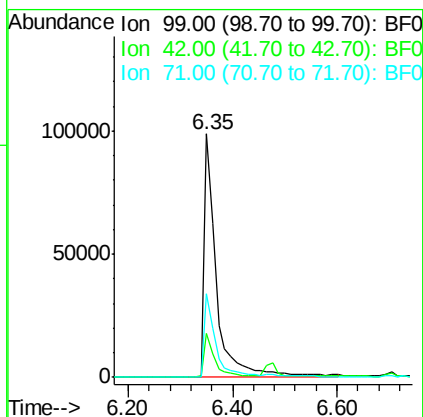
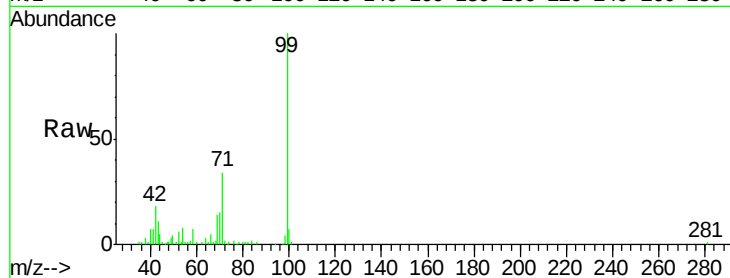
42 18.1 13.9 20.9

71 34.1 27.8 41.8

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.00 min Scan# 552

Delta R.T. 0.00 min

Lab File: BF091043.D

Acq: 5 Nov 2016 1:41

Tgt Ion: 136 Resp: 625461

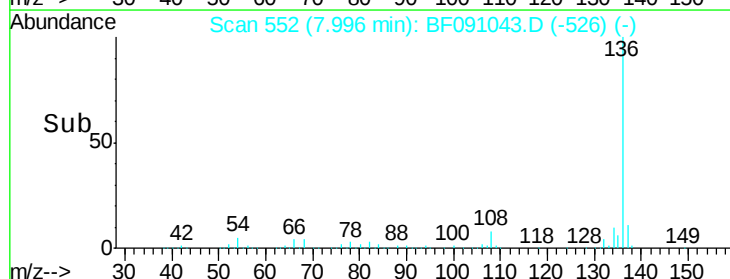
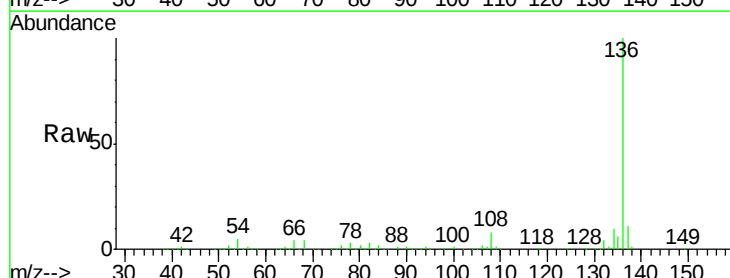
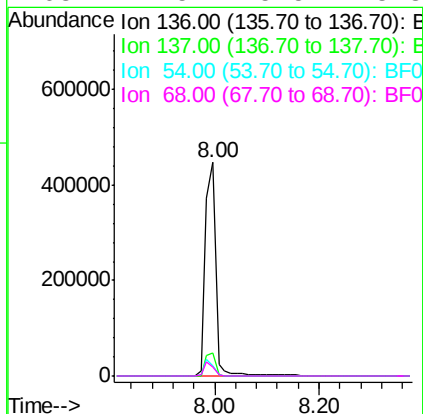
Ion Ratio Lower Upper

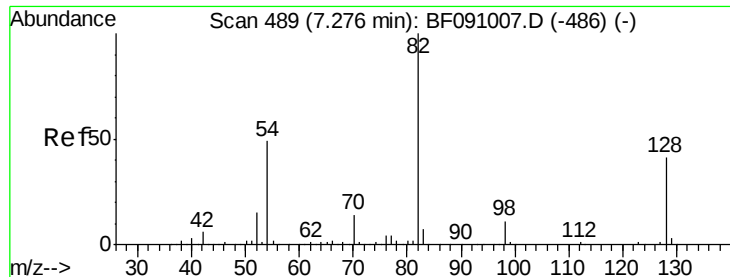
136 100

137 10.7 8.9 13.3

54 4.7 6.2 9.2#

68 4.5 5.5 8.3#





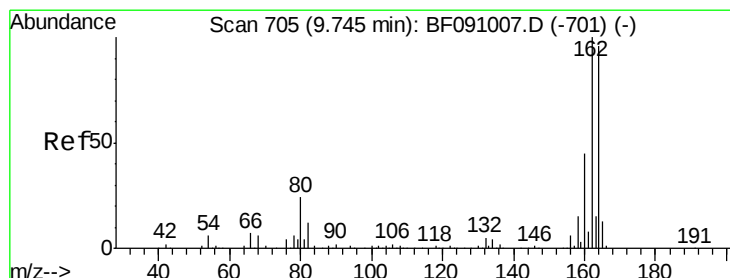
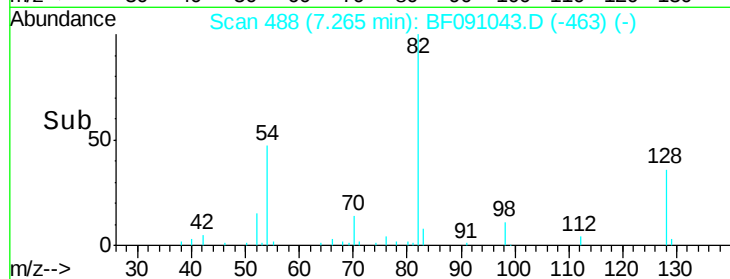
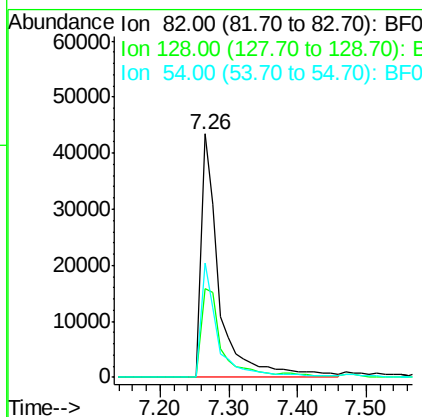
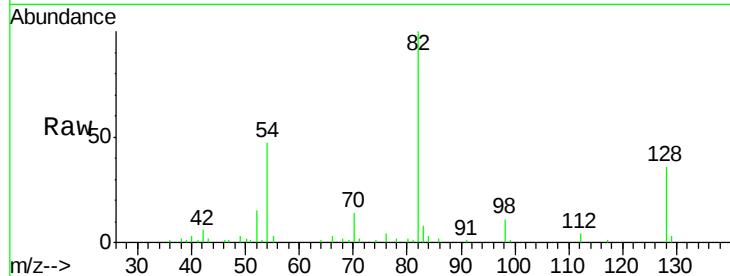
#23
 Nitrobenzene-d5
 Concen: 6.89 ng
 RT: 7.26 min Scan# 488
 Delta R.T. -0.01 min
 Lab File: BF091043.D
 Acq: 5 Nov 2016 1:41

Instrument :
 BNA_F
 ClientSampled :
 SB-6(0-2)

Tgt Ion	Ratio	Lower	Upper
82	100		
128	36.3	32.4	48.6
54	47.2	39.2	58.8

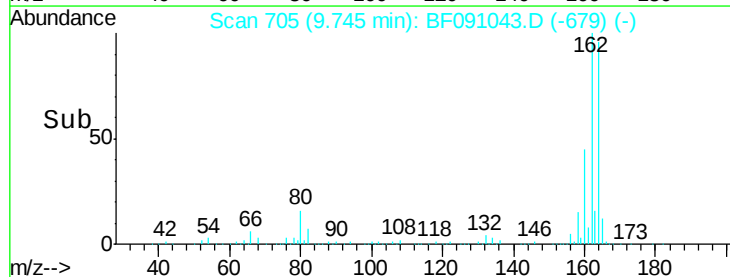
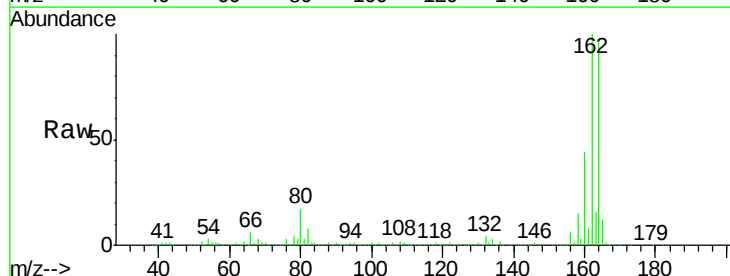
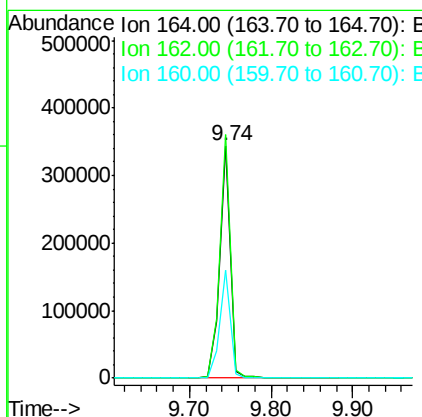
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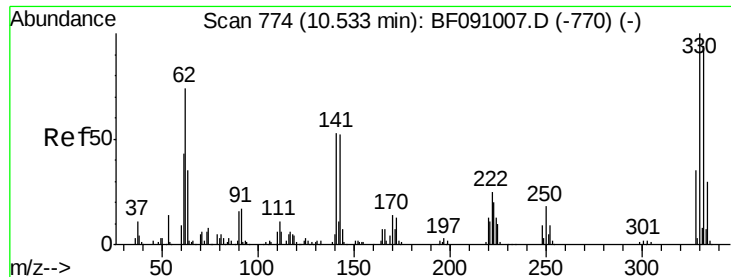
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.74 min Scan# 705
 Delta R.T. 0.00 min
 Lab File: BF091043.D
 Acq: 5 Nov 2016 1:41

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.6	83.6	125.4
160	46.6	37.9	56.9





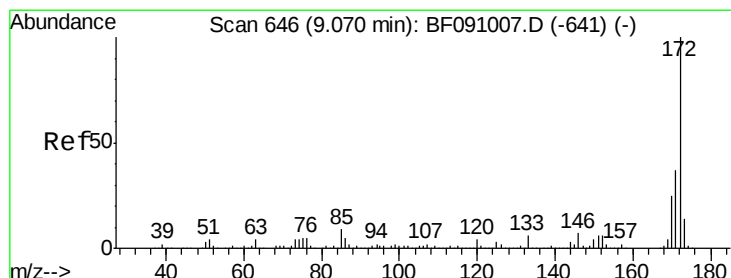
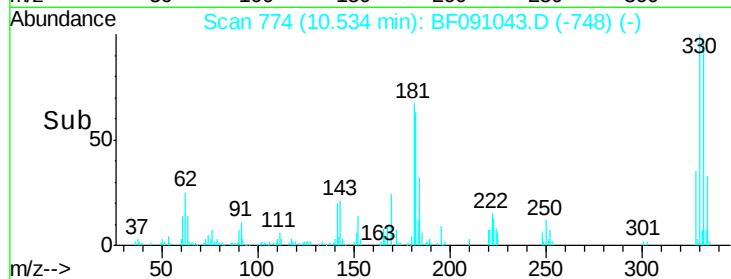
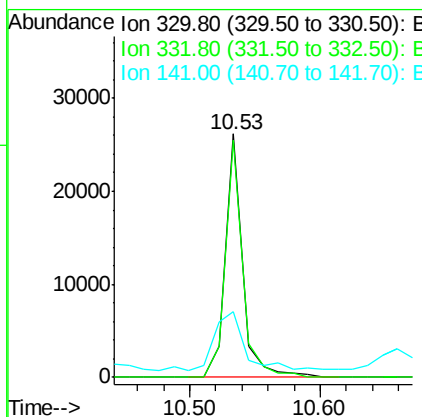
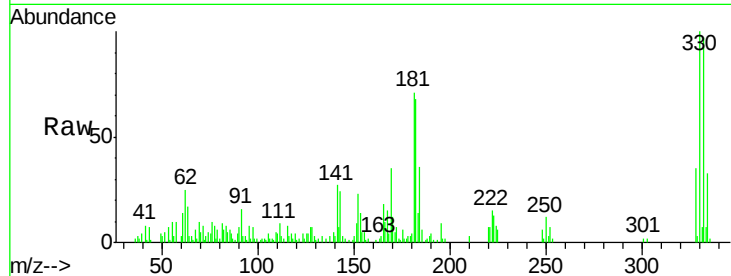
#41
 2,4,6-Tribromophenol
 Concen: 8.65 ng
 RT: 10.53 min Scan# 774
 Delta R.T. 0.00 min
 Lab File: BF091043.D
 Acq: 5 Nov 2016 1:41

Instrument :
 BNA_F
 ClientSampleId :
 SB-6(0-2)

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	24294		
332	97.1	75.9	113.9	
141	43.8	36.1	54.1	

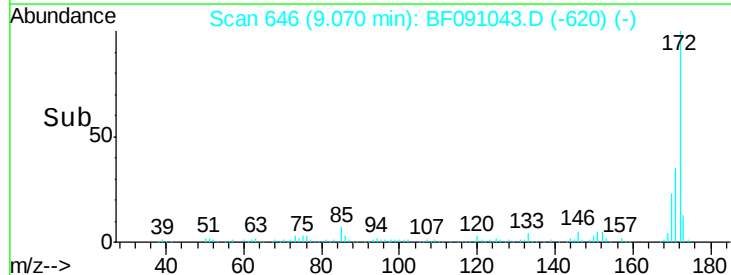
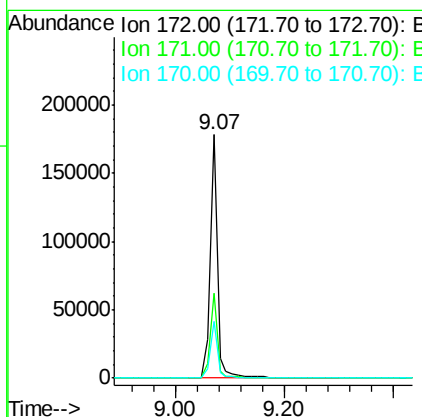
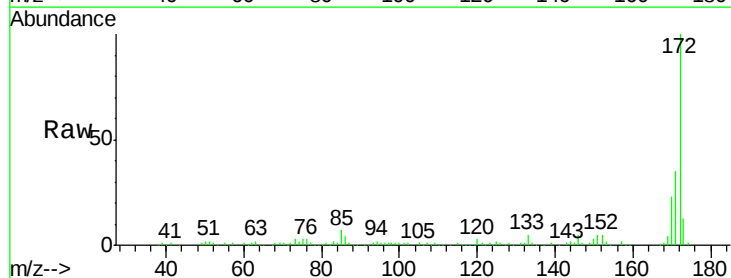
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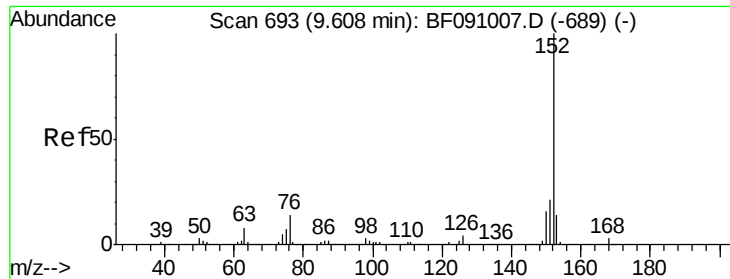
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#44
 2-Fluorobiphenyl
 Concen: 9.15 ng
 RT: 9.07 min Scan# 646
 Delta R.T. 0.00 min
 Lab File: BF091043.D
 Acq: 5 Nov 2016 1:41

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	165101		
171	34.9	29.8	44.6	
170	23.1	20.3	30.5	





#48

Acenaphthylene

Concen: 7.45 ng

RT: 9.61 min Scan# 693

Delta R.T. 0.00 min

Lab File: BF091043.D

Acq: 5 Nov 2016 1:41

Instrument :

BNA_F

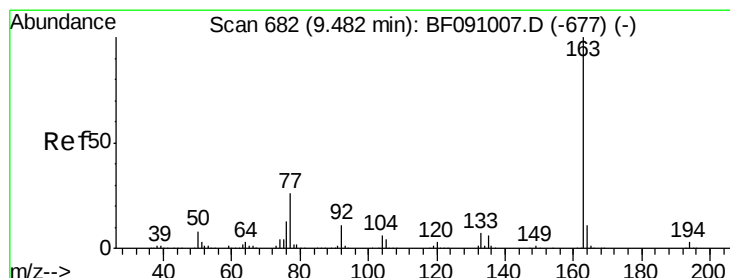
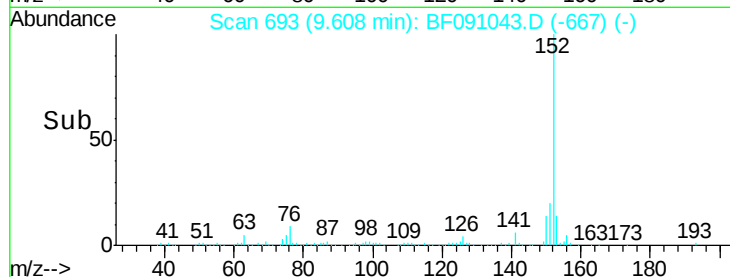
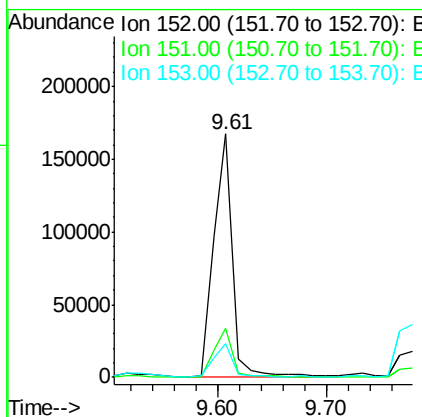
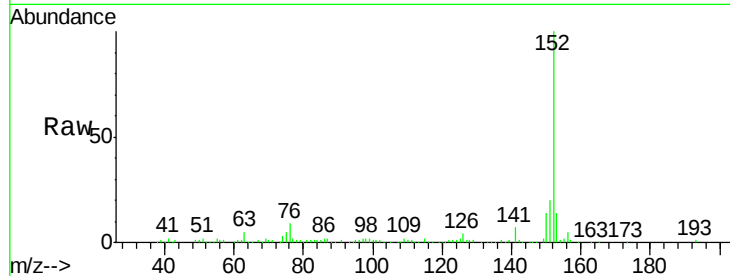
ClientSampleId :

SB-6(0-2)

Tgt Ion:	152	Resp:	200188
Ion Ratio		Lower	Upper
152	100		
151	20.2	16.7	25.1
153	13.9	11.1	16.7

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#49

Dimethylphthalate

Concen: 2.70 ng

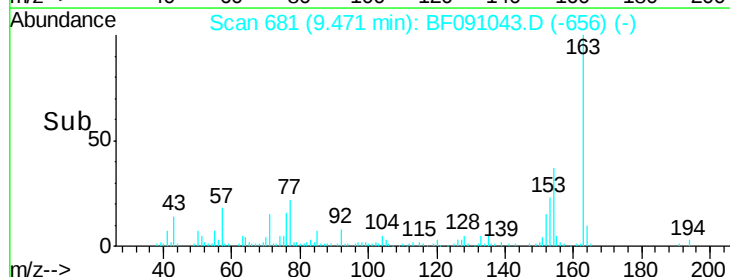
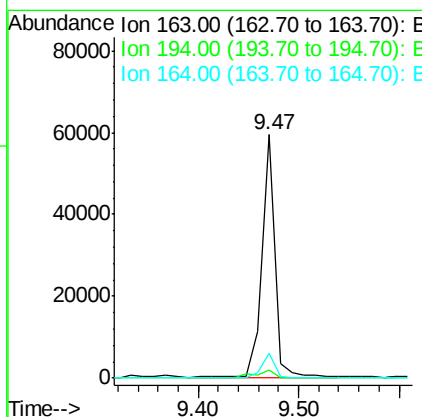
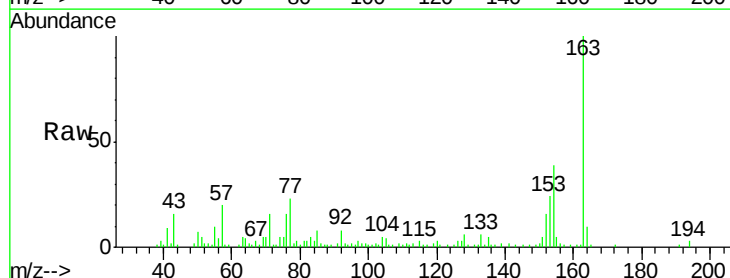
RT: 9.47 min Scan# 681

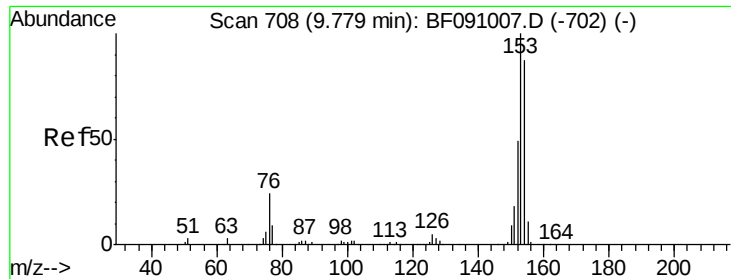
Delta R.T. -0.01 min

Lab File: BF091043.D

Acq: 5 Nov 2016 1:41

Tgt Ion:	163	Resp:	54990
Ion Ratio		Lower	Upper
163	100		
194	3.4	2.6	4.0
164	10.2	8.7	13.1





#51

Acenaphthene

Concen: 2.71 ng

RT: 9.78 min Scan# 708

Delta R.T. 0.00 min

Lab File: BF091043.D

Acq: 5 Nov 2016 1:41

Instrument :

BNA_F

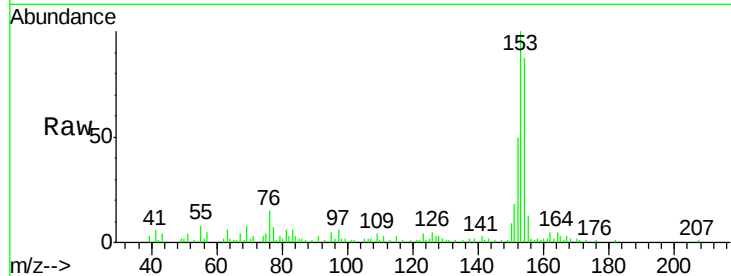
ClientSampled :

SB-6(0-2)

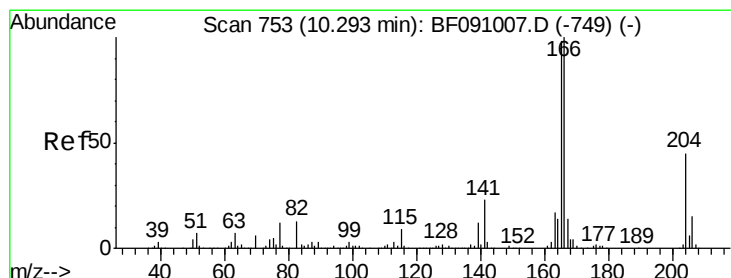
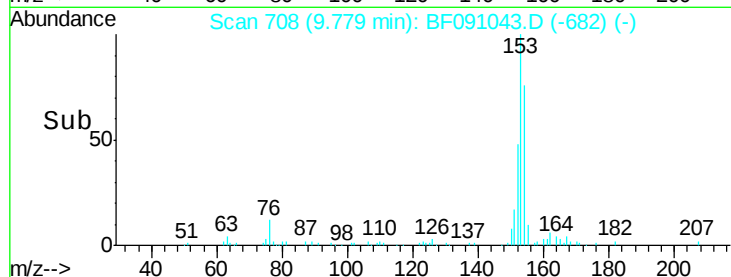
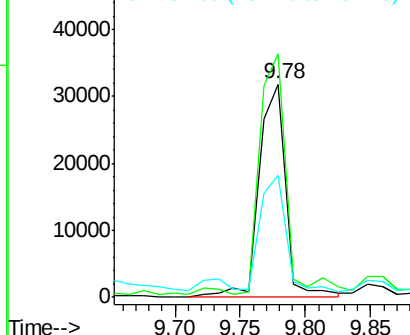
Tgt Ion:	154	Resp:	45652
Ion Ratio	Lower	Upper	
154	100		
153	114.4	91.6	137.4
152	57.1	44.6	67.0

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 6.75 ng

RT: 10.29 min Scan# 753

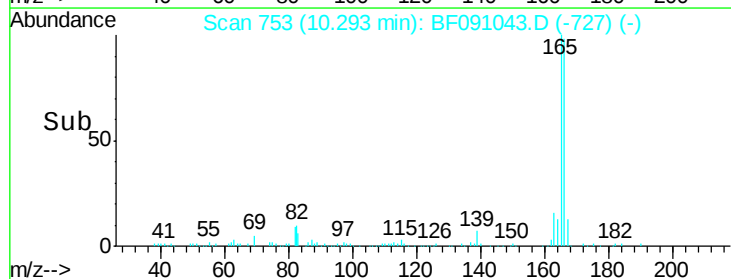
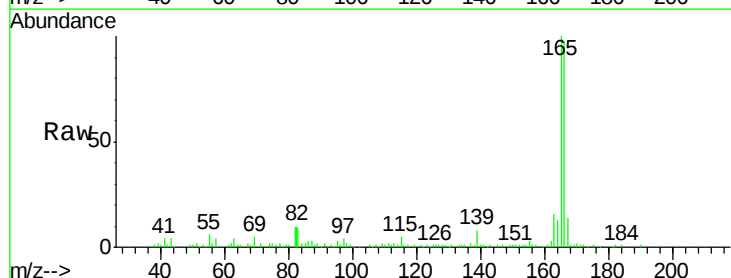
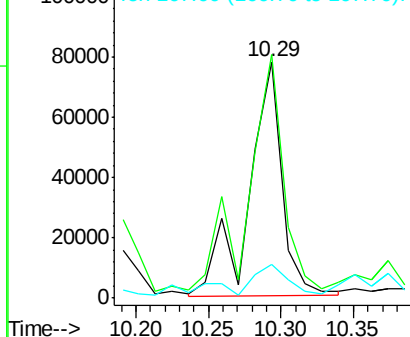
Delta R.T. 0.00 min

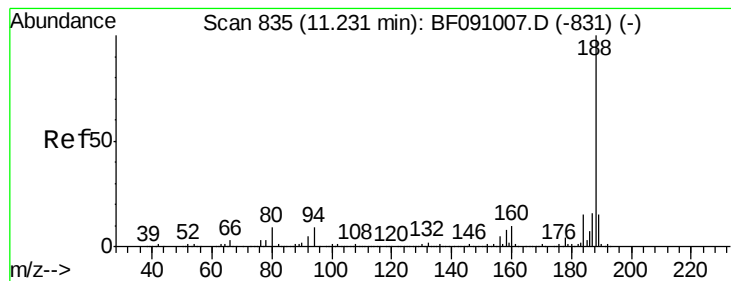
Lab File: BF091043.D

Acq: 5 Nov 2016 1:41

Tgt Ion:	166	Resp:	125252
Ion Ratio	Lower	Upper	
166	100		
165	103.0	78.6	118.0
167	14.3	11.1	16.7

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: 11.22 min Scan# 834

Delta R.T. -0.01 min

Lab File: BF091043.D

Acq: 5 Nov 2016 1:41

Instrument :

BNA_F

ClientSampleId :

SB-6(0-2)

Tgt Ion:188 Resp: 420944
Ion Ratio Lower Upper

188 100

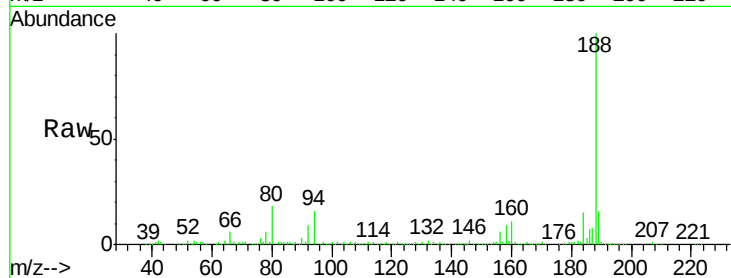
94 16.0 7.0 10.4#

80 18.2 7.5 11.3#

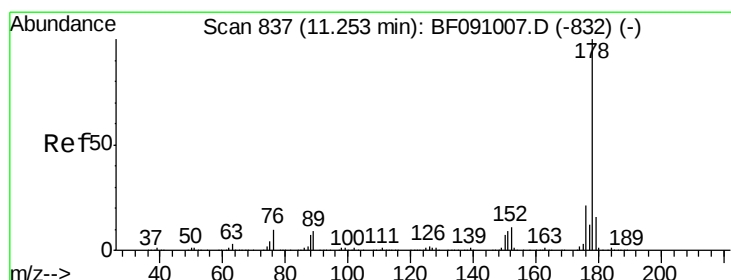
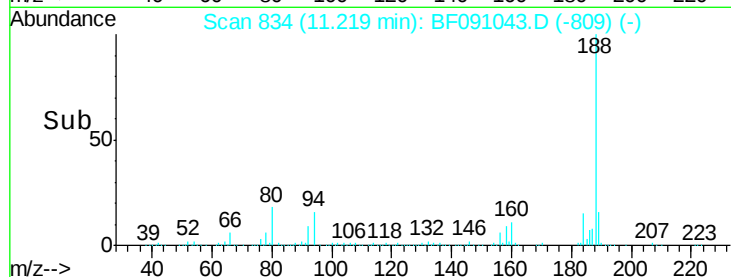
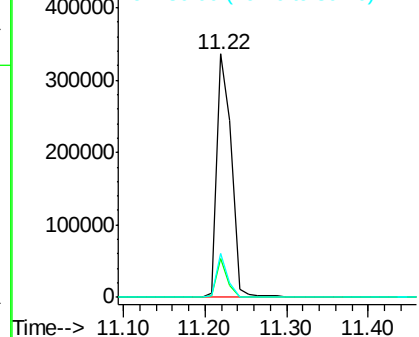
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Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 30.28 ng

RT: 11.25 min Scan# 837

Delta R.T. 0.00 min

Lab File: BF091043.D

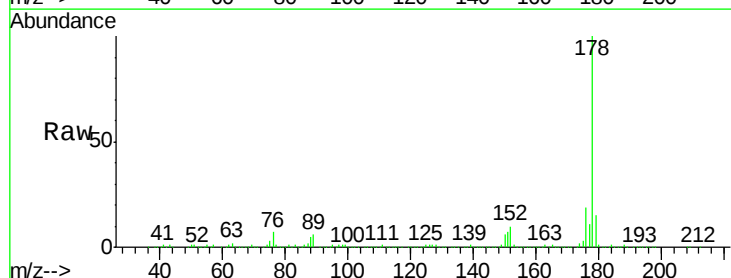
Acq: 5 Nov 2016 1:41

Tgt Ion:178 Resp: 677483
Ion Ratio Lower Upper

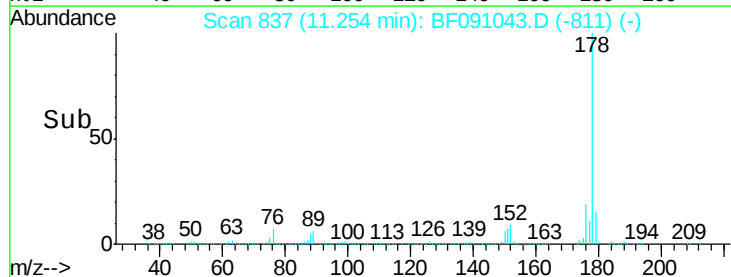
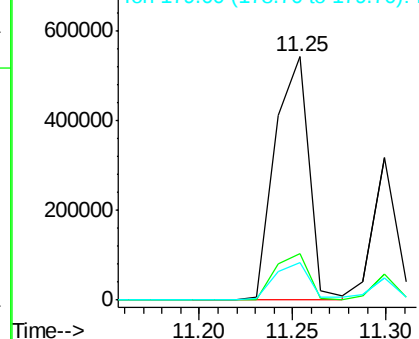
178 100

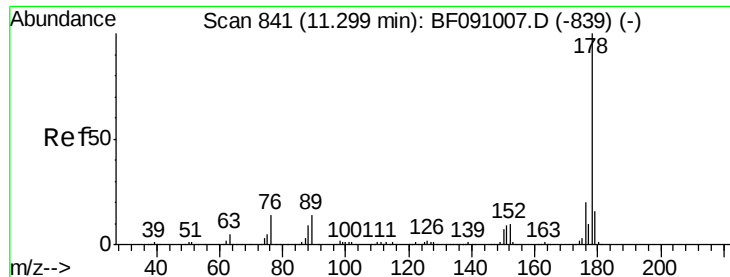
176 19.3 16.6 25.0

179 15.4 12.9 19.3



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





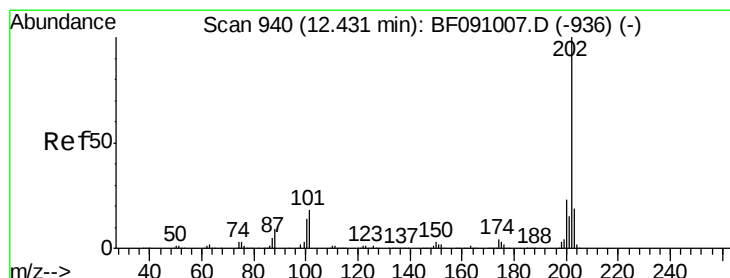
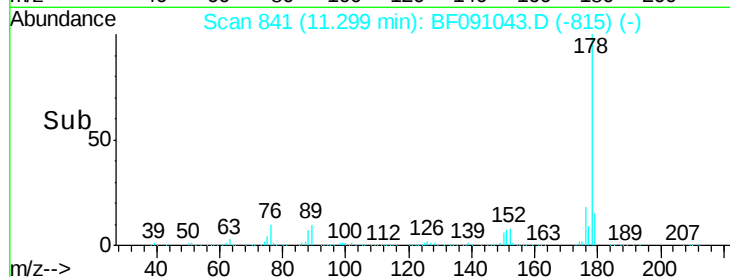
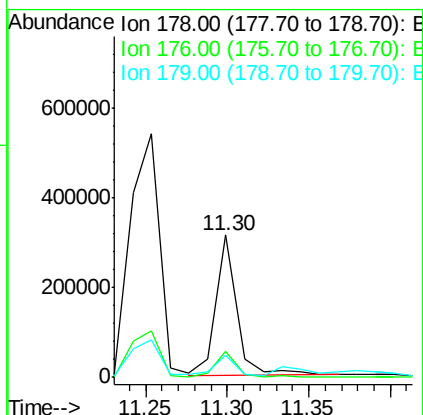
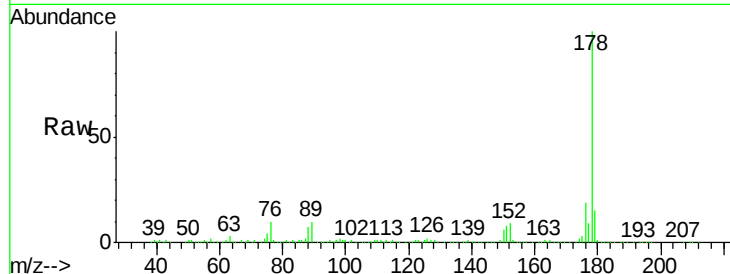
#71
 Anthracene
 Concen: 11.76 ng
 RT: 11.30 min Scan# 841
 Delta R.T. 0.00 min
 Lab File: BF091043.D
 Acq: 5 Nov 2016 1:41

Instrument :
 BNA_F
 ClientSampleId :
 SB-6(0-2)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	16.0	24.0
179	15.2	13.0	19.6

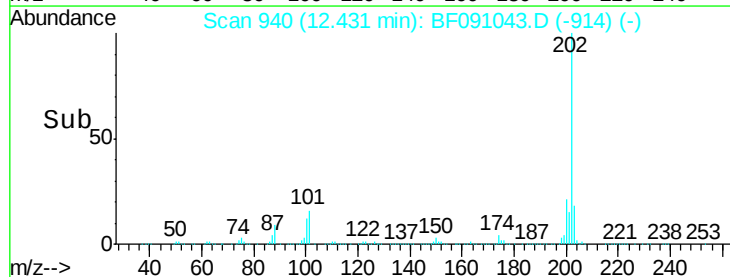
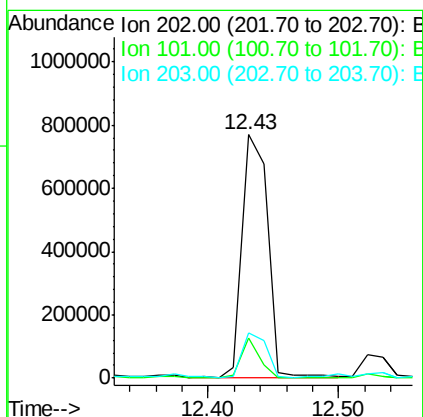
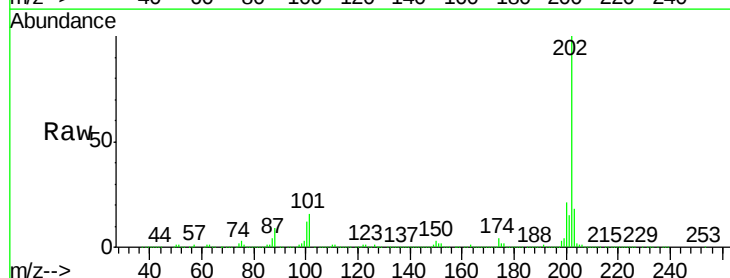
Manual Integrations
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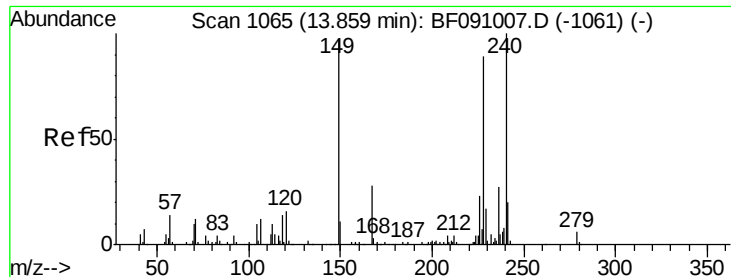
sohil
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#74
 Fluoranthene
 Concen: 44.37 ng
 RT: 12.43 min Scan# 940
 Delta R.T. 0.00 min
 Lab File: BF091043.D
 Acq: 5 Nov 2016 1:41

Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.3	0.0	37.6
203	18.4	0.0	38.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.86 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BF091043.D

Acq: 5 Nov 2016 1:41

Instrument :

BNA_F

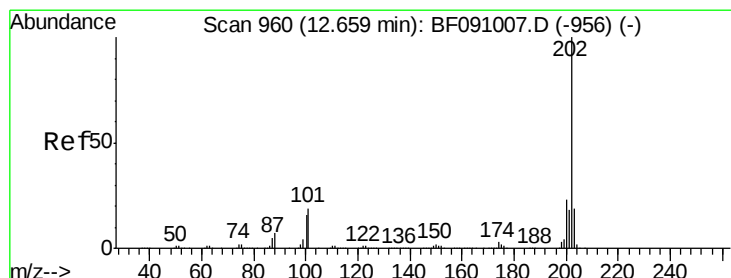
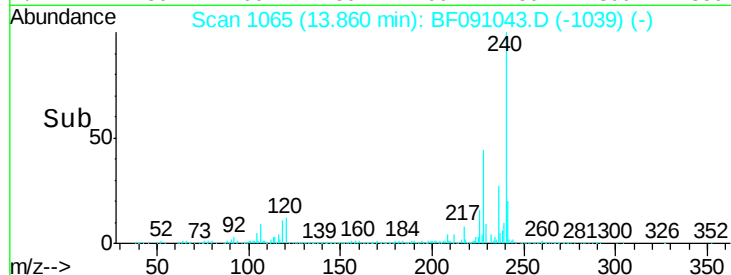
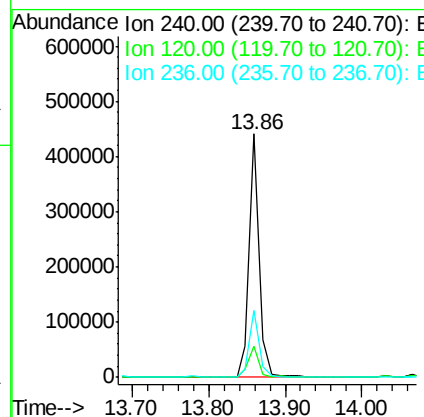
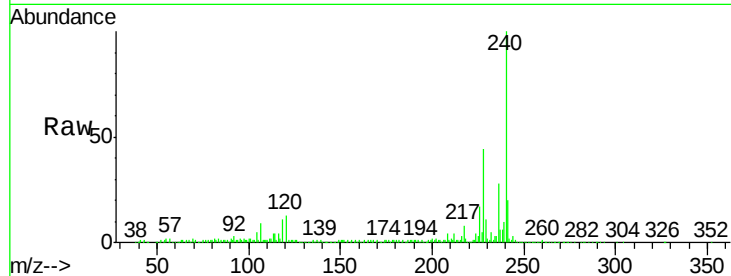
ClientSampled :

SB-6(0-2)

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		398335		
120	12.6	12.9	19.3#		
236	27.5	21.9	32.9		

Manual Integrations
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#77

Pyrene

Concen: 37.65 ng

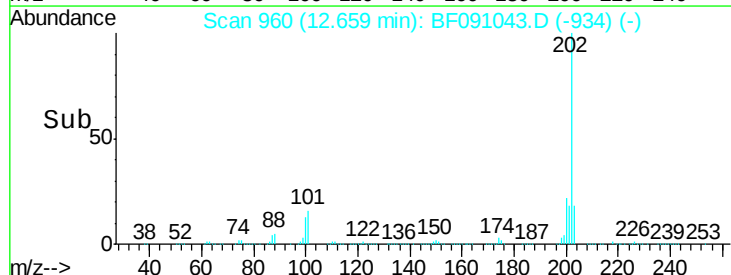
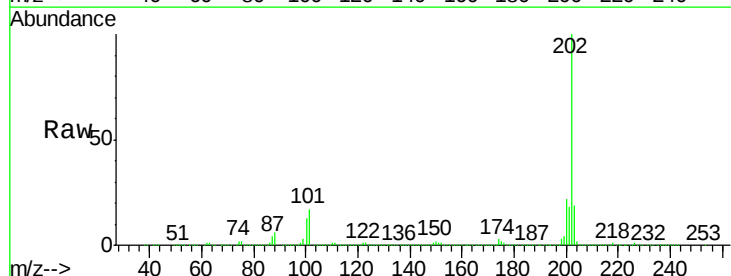
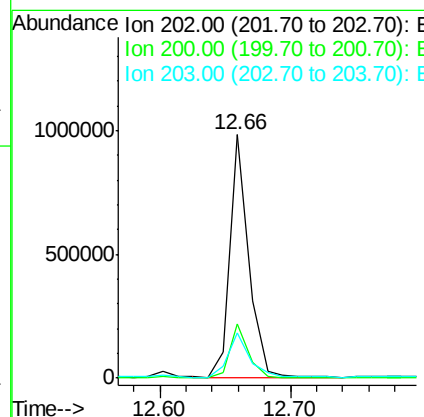
RT: 12.66 min Scan# 960

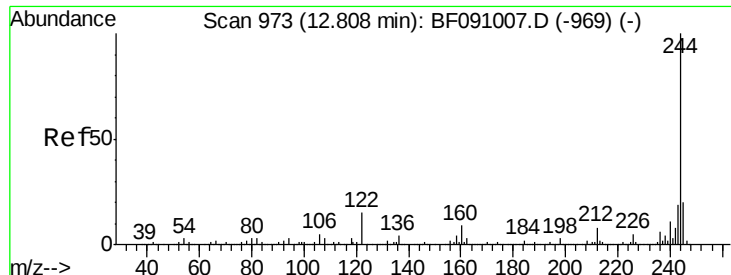
Delta R.T. 0.00 min

Lab File: BF091043.D

Acq: 5 Nov 2016 1:41

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		982086		
200	22.0	18.4	27.6		
203	18.7	15.0	22.6		





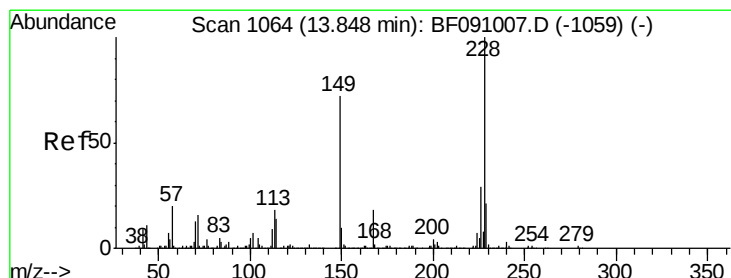
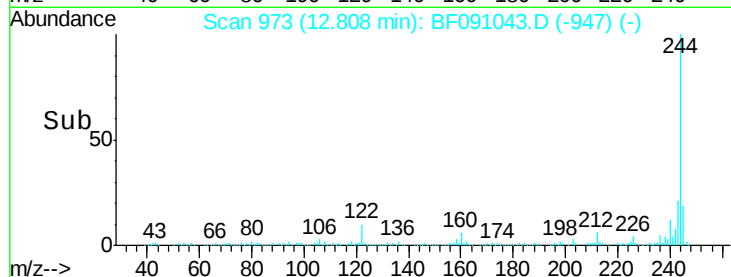
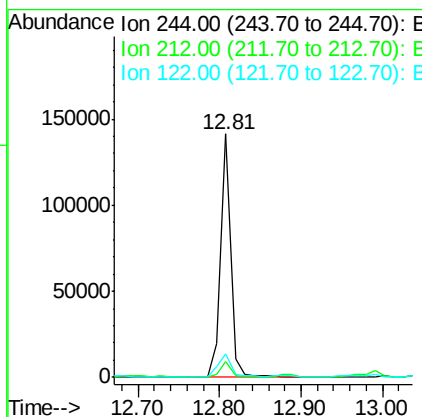
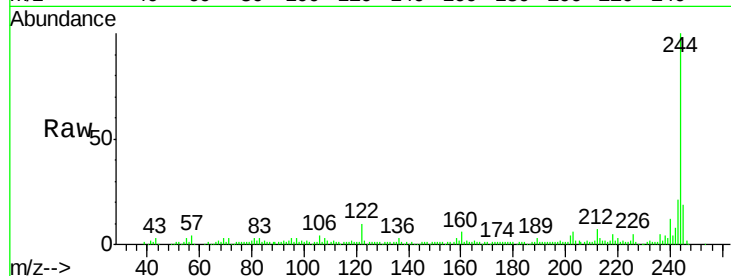
#78
 Terphenyl-d14
 Concen: 7.69 ng
 RT: 12.81 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: BF091043.D
 Acq: 5 Nov 2016 1:41

Instrument :
 BNA_F
 ClientSampleId :
 SB-6(0-2)

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.6	6.4	9.6
122	9.9	12.3	18.5#

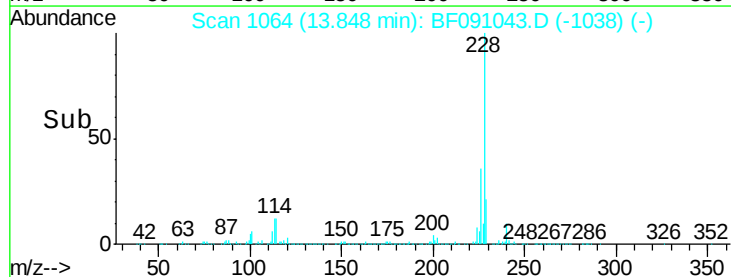
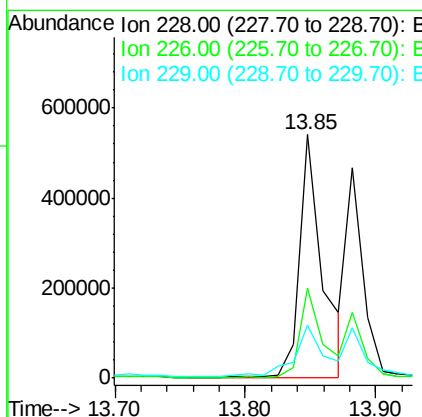
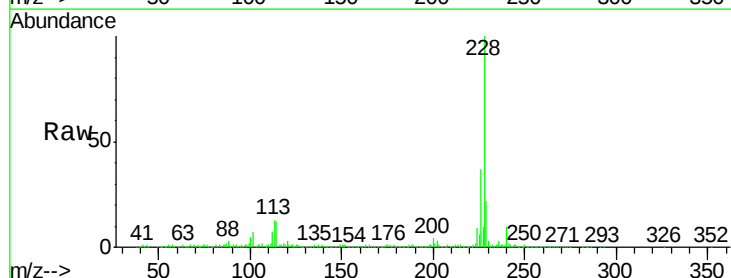
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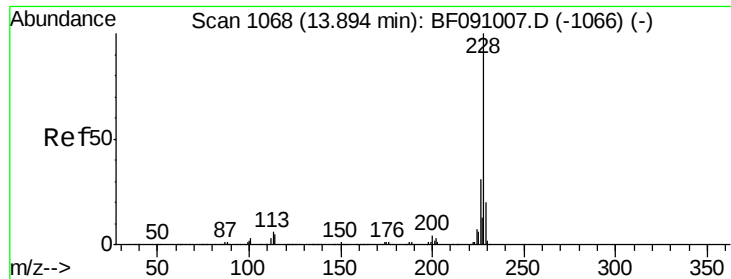
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#80
 Benzo(a)anthracene
 Concen: 29.26 ng
 RT: 13.85 min Scan# 1064
 Delta R.T. 0.00 min
 Lab File: BF091043.D
 Acq: 5 Nov 2016 1:41

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	36.9	23.0	34.6#
229	21.6	16.6	24.8





#82

Chrysene

Concen: 19.62 ng m

RT: 13.88 min Scan# 1067

Delta R.T. -0.01 min

Lab File: BF091043.D

Acq: 5 Nov 2016 1:41

Instrument :

BNA_F

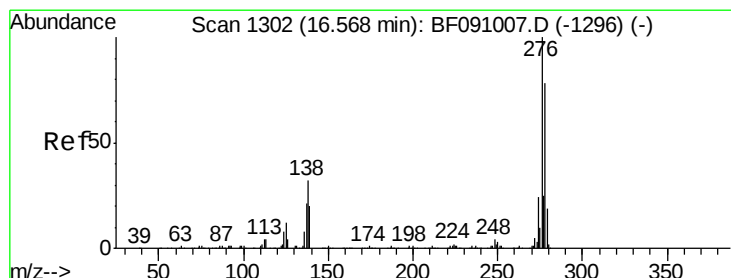
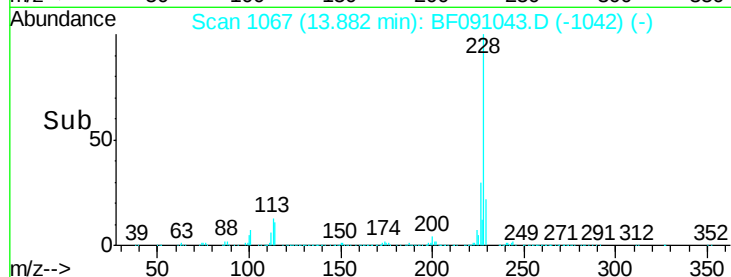
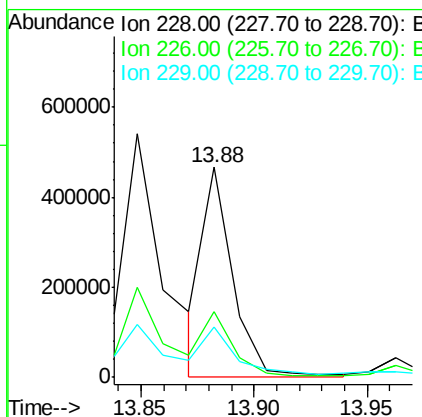
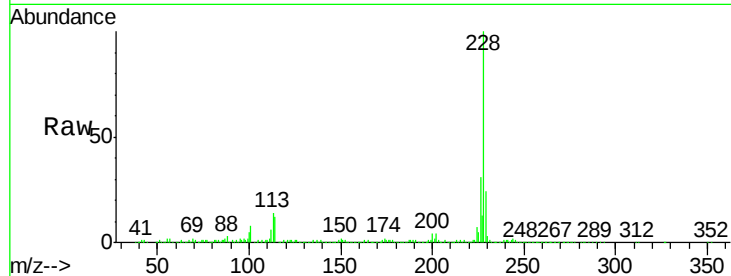
ClientSampleId :

SB-6(0-2)

Tgt Ion:	228	Resp:	437607
Ion Ratio	Lower	Upper	
228	100		
226	31.0	24.9	37.3
229	23.9	15.9	23.9

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 11.00 ng

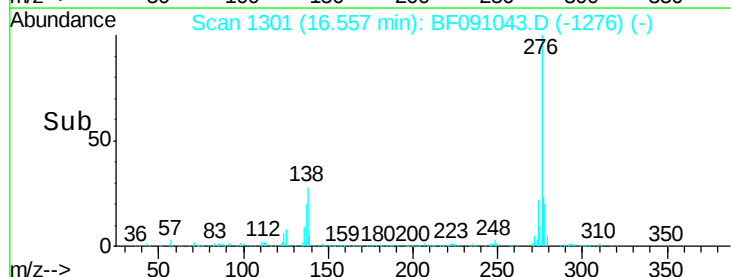
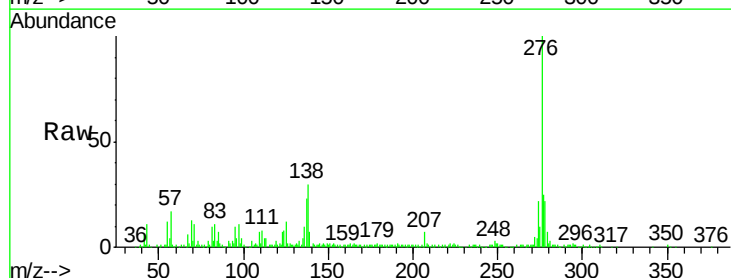
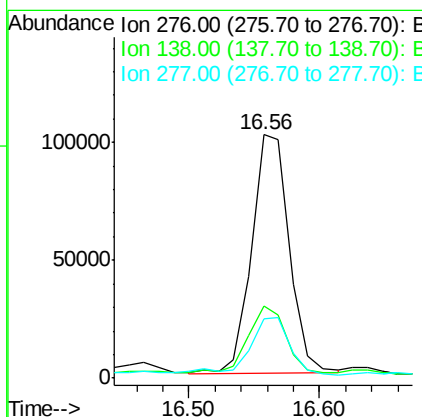
RT: 16.56 min Scan# 1301

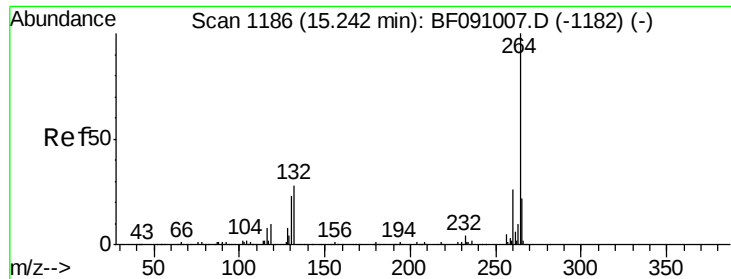
Delta R.T. -0.01 min

Lab File: BF091043.D

Acq: 5 Nov 2016 1:41

Tgt Ion:	276	Resp:	203578
Ion Ratio	Lower	Upper	
276	100		
138	28.3	26.0	39.0
277	25.7	20.1	30.1





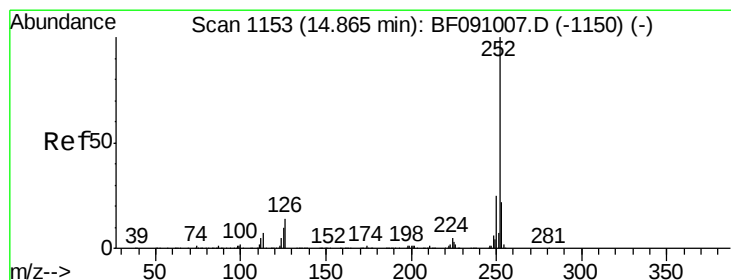
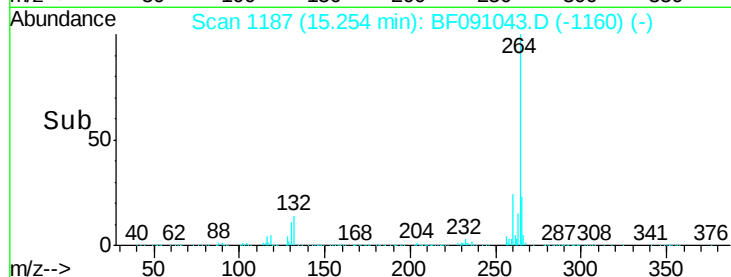
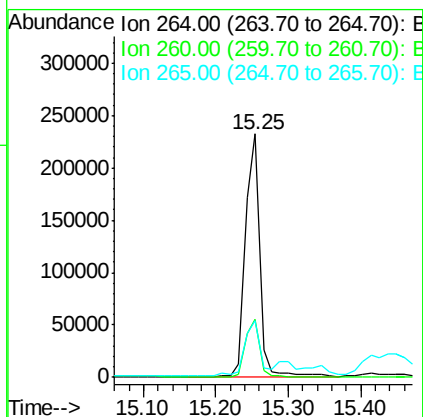
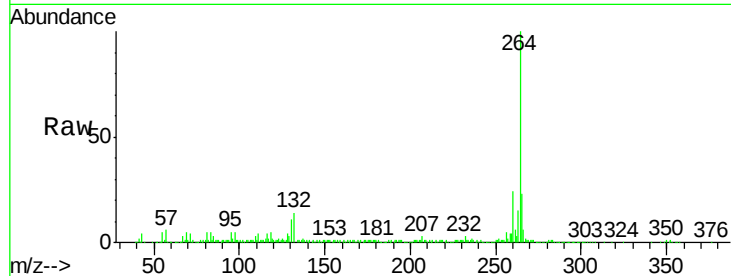
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.25 min Scan# 1187
Delta R.T. 0.01 min
Lab File: BF091043.D
Acq: 5 Nov 2016 1:41

Instrument :
BNA_F
ClientSampleId :
SB-6(0-2)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	20.6	30.8
265	23.1	17.8	26.8

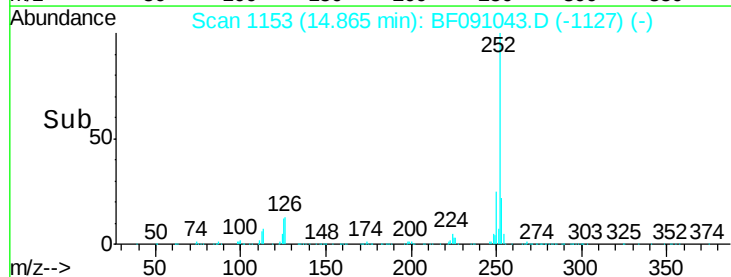
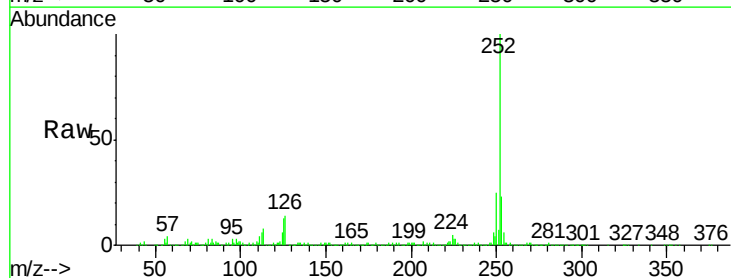
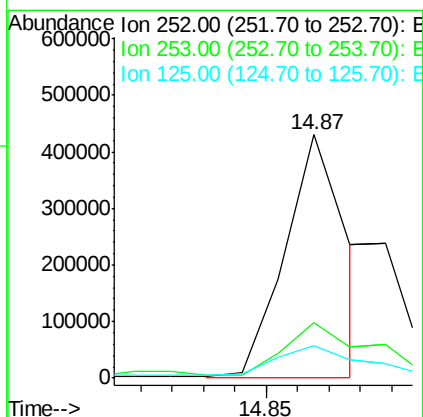
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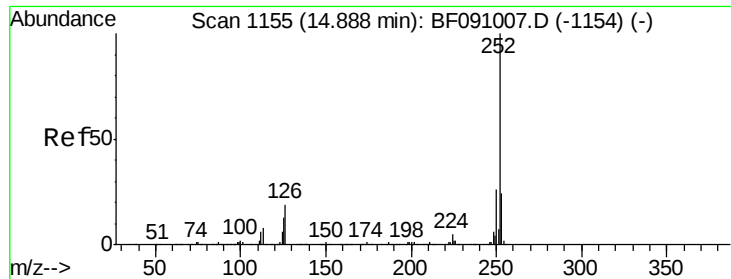
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#87
Benzo(b)fluoranthene
Concen: 26.92 ng m
RT: 14.87 min Scan# 1153
Delta R.T. 0.00 min
Lab File: BF091043.D
Acq: 5 Nov 2016 1:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	13.3	8.3	12.5#





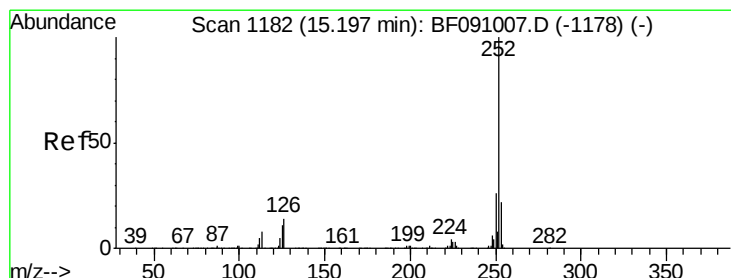
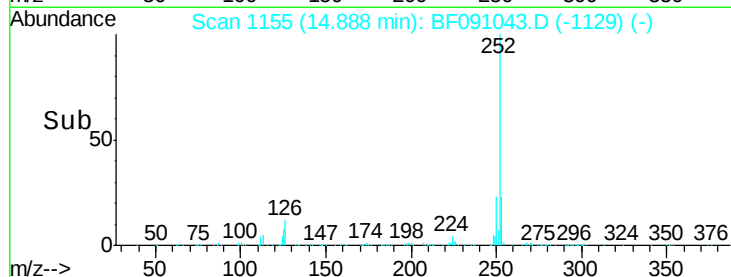
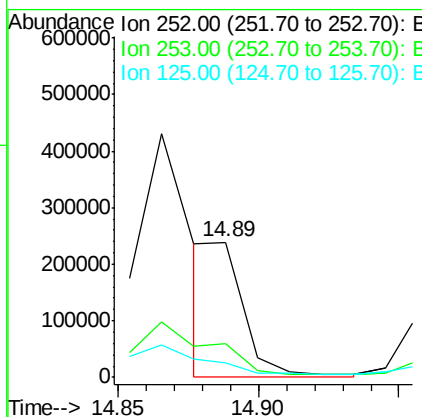
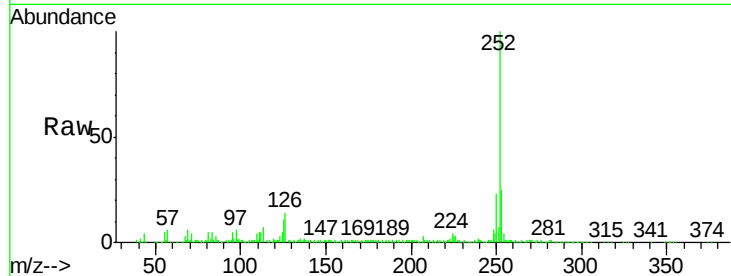
#88
Benzo(k)fluoranthene
Concen: 10.64 ng m
RT: 14.89 min Scan# 1155
Delta R.T. 0.00 min
Lab File: BF091043.D
Acq: 5 Nov 2016 1:41

Instrument :
BNA_F
ClientSampled :
SB-6(0-2)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.6	28.0
125	11.1	11.2	16.8

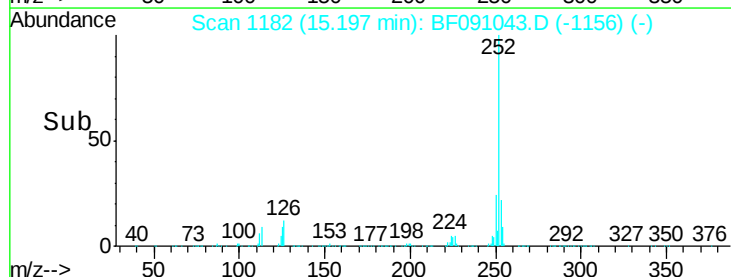
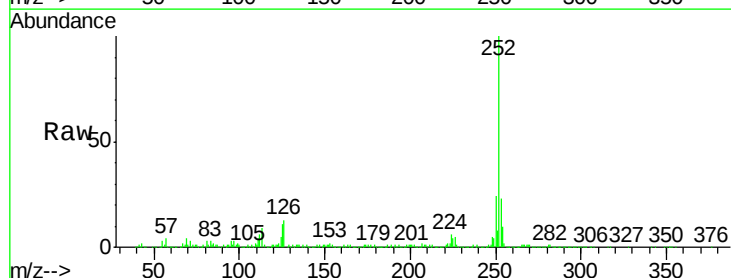
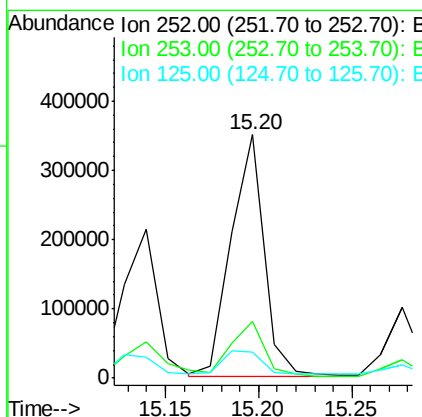
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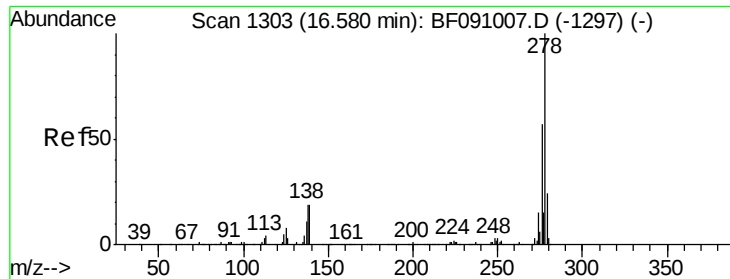
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#89
Benzo(a)pyrene
Concen: 22.92 ng
RT: 15.20 min Scan# 1182
Delta R.T. 0.00 min
Lab File: BF091043.D
Acq: 5 Nov 2016 1:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.8
125	10.6	8.6	13.0





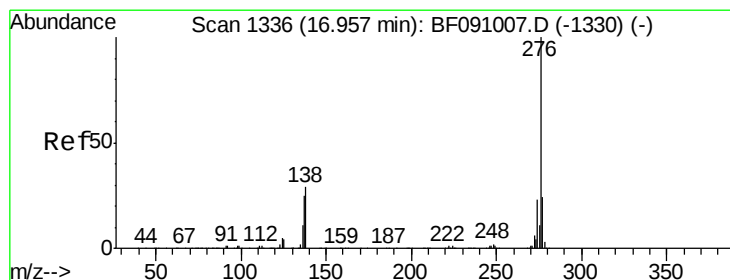
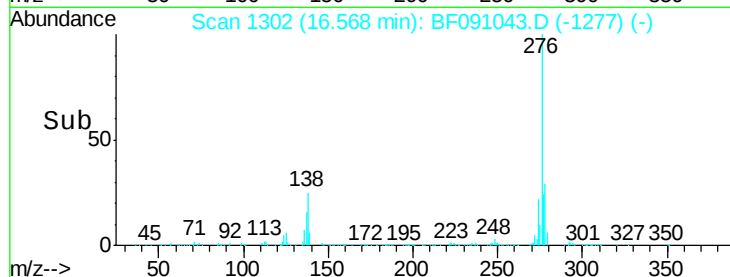
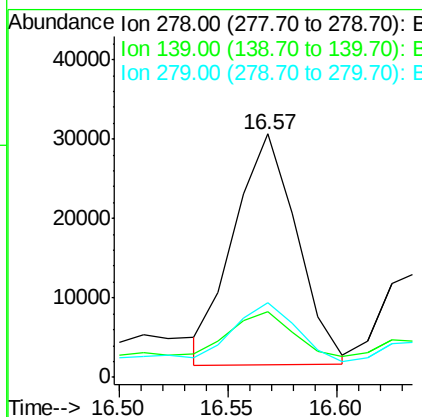
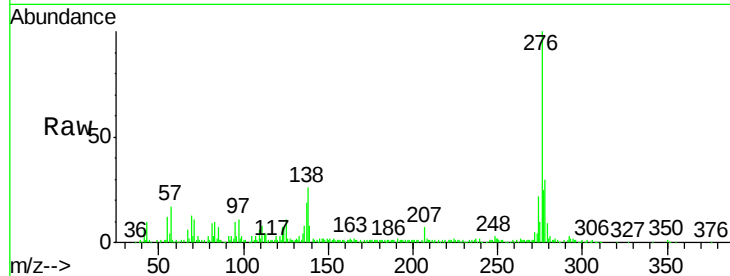
#90
Dibenzo(a,h)anthracene
Concen: 3.62 ng m
RT: 16.57 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF091043.D
Acq: 5 Nov 2016 1:41

Instrument :
BNA_F
ClientSampleId :
SB-6(0-2)

Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.9	15.3	22.9#
279	30.5	19.3	28.9#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 13.32 ng
RT: 16.96 min Scan# 1336
Delta R.T. 0.00 min
Lab File: BF091043.D
Acq: 5 Nov 2016 1:41

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.2	28.8
138	27.5	23.3	34.9

