

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110716\
 Data File : BF091063.D
 Acq On : 7 Nov 2016 18:33
 Operator : UM/SJ
 Sample : H5543-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-109-0.5-1.0

Manual Integrations
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Quant Time: Nov 08 00:41:05 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 08 00:06:22 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	185946	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	721032	20.00	ng	-0.01
38) Acenaphthene-d10	9.71	164	411903	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	650256	20.00	ng	0.00
75) Chrysene-d12	13.83	240	410037	20.00	ng	0.00
86) Perylene-d12	15.21	264	372981	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	1152388	102.35	ng	0.01
7) Phenol-d6	6.33	99	1761183	115.25	ng	0.00
23) Nitrobenzene-d5	7.24	82	1023646	77.45	ng	0.00
41) 2,4,6-Tribromophenol	10.50	330	257114	69.04	ng	-0.01
44) 2-Fluorobiphenyl	9.04	172	1409394	58.91	ng	-0.01
78) Terphenyl-d14	12.78	244	1345198	81.87	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.44	163	574477	21.27	ng	99
70) Phenanthrene	11.22	178	304952	8.82	ng	98
74) Fluoranthene	12.40	202	387649	10.81	ng	98
77) Pyrene	12.62	202	379264	14.12	ng	98
80) Benzo(a)anthracene	13.81	228	152991m	6.57	ng	
82) Chrysene	13.85	228	165726m	7.22	ng	
85) Indeno(1,2,3-cd)pyrene	16.50	276	79086	4.15	ng	# 91
87) Benzo(b)fluoranthene	14.82	252	204756m	8.09	ng	
89) Benzo(a)pyrene	15.15	252	126408	5.74	ng	# 94
91) Benzo(g,h,i)perylene	16.89	276	73084	4.24	ng	95

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

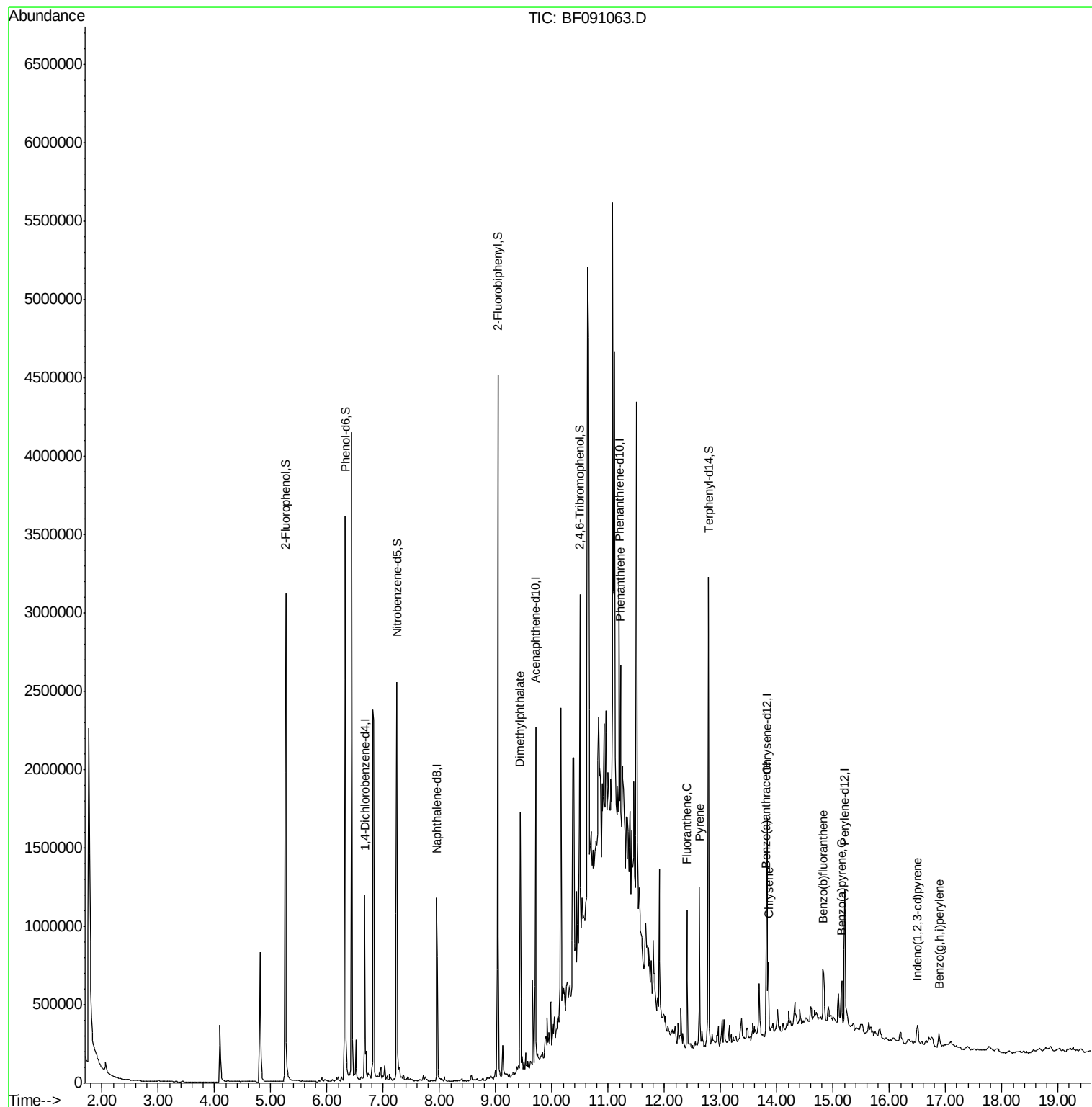
Data Path : Z:\HPCHEM1\BNA F\DATA\BF110716\
Data File : BF091063.D
Acq On : 7 Nov 2016 18:33
Operator : UM/SJ
Sample : H5543-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

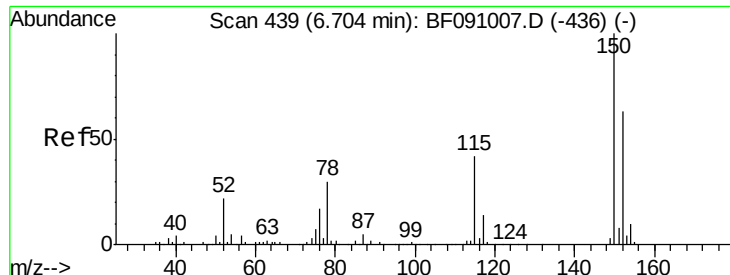
Instrument :
BNA_F
ClientSampleId :
SB-109-0.5-1.0

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Quant Time: Nov 08 00:41:05 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





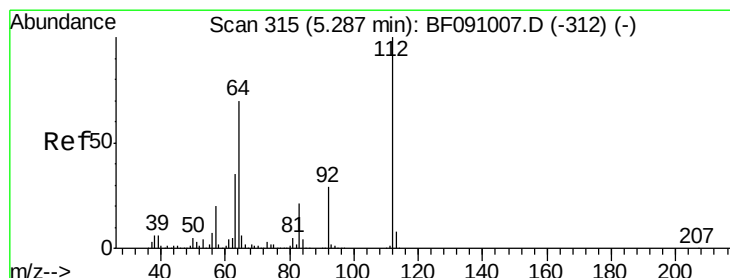
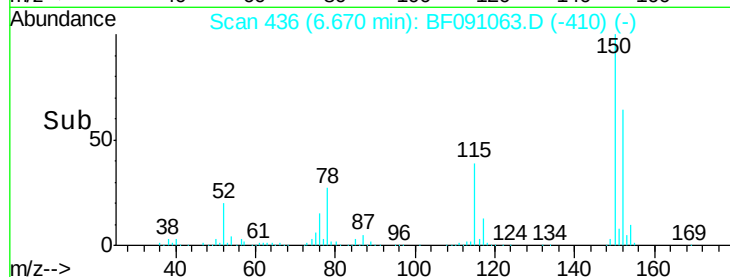
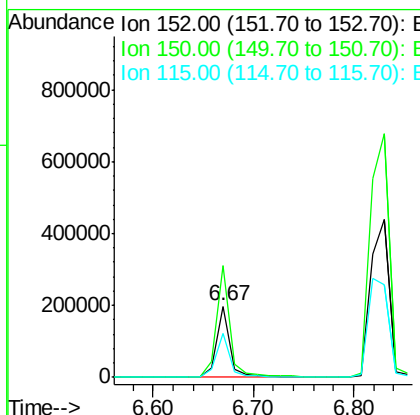
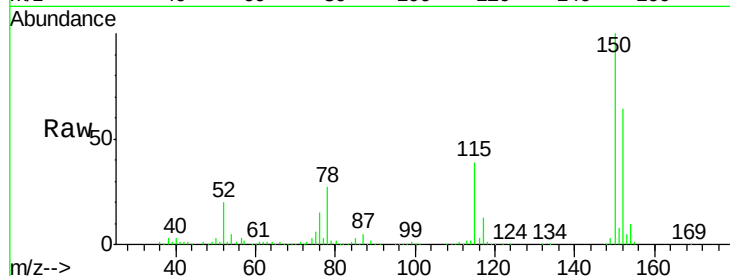
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.67 min Scan# 436
 Delta R.T. 0.00 min
 Lab File: BF091063.D
 Acq: 7 Nov 2016 18:33

Instrument :
 BNA_F
 ClientSampleId :
 SB-109-0.5-1.0

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	126.8	190.2
115	61.4	53.3	79.9

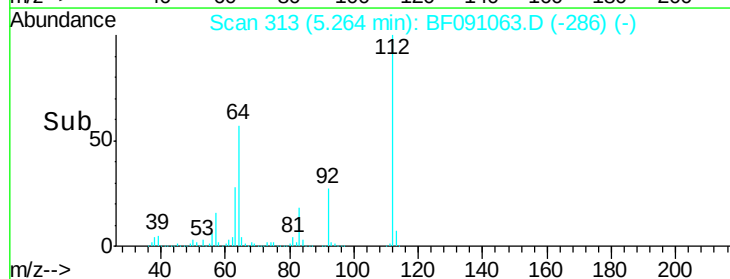
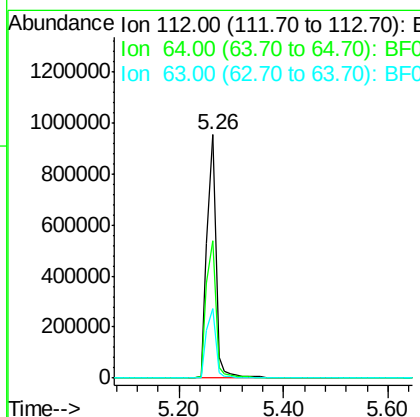
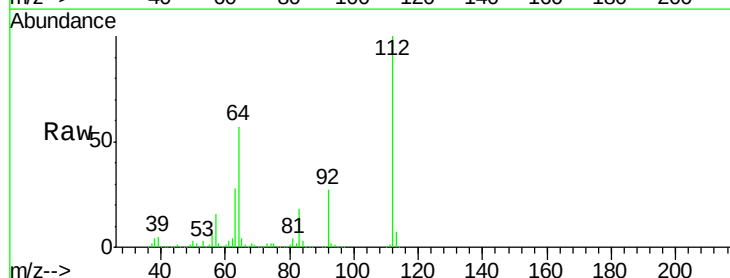
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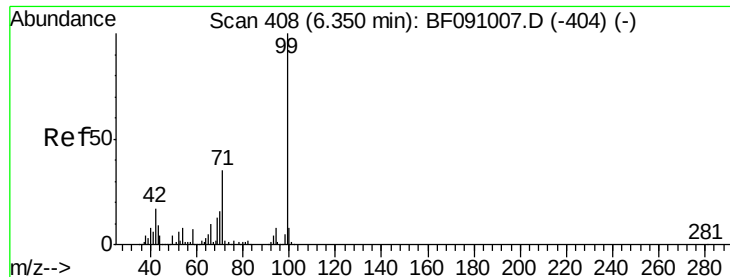
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#5
 2-Fluorophenol
 Concen: 102.35 ng
 RT: 5.26 min Scan# 313
 Delta R.T. 0.01 min
 Lab File: BF091063.D
 Acq: 7 Nov 2016 18:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.6	55.8	83.6
63	28.4	28.0	42.0





#7

Phenol-d6

Concen: 115.25 ng

RT: 6.33 min Scan# 406

Delta R.T. 0.00 min

Lab File: BF091063.D

Acq: 7 Nov 2016 18:33

Instrument :

BNA_F

ClientSampleId :

SB-109-0.5-1.0

Tot Ion: 99 Resp: 1761183

Ion Ratio Lower Upper

99 100

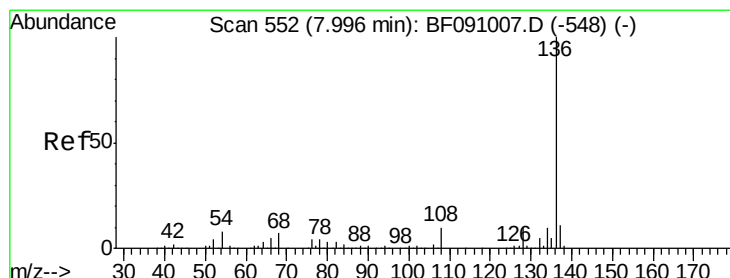
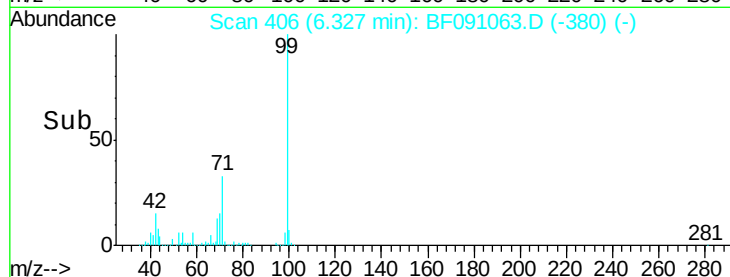
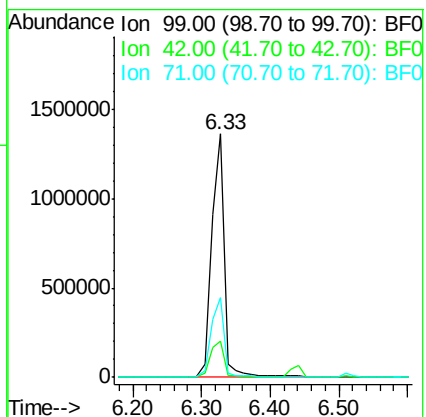
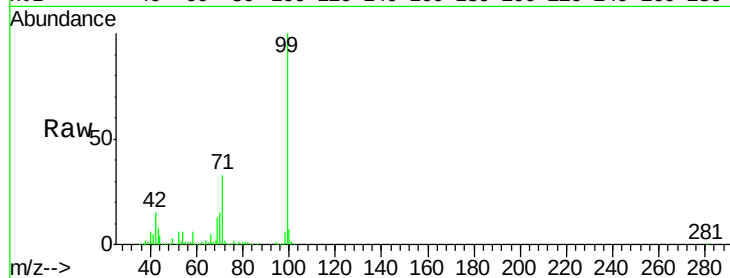
42 14.9 13.9 20.9

71 32.6 27.8 41.8

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.95 min Scan# 548

Delta R.T. -0.01 min

Lab File: BF091063.D

Acq: 7 Nov 2016 18:33

Tgt Ion: 136 Resp: 721032

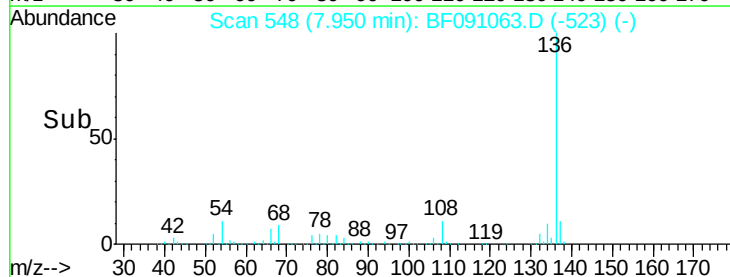
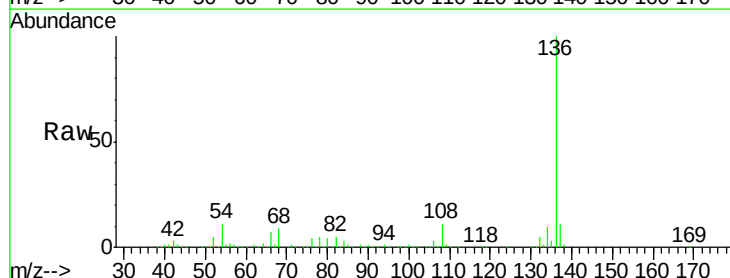
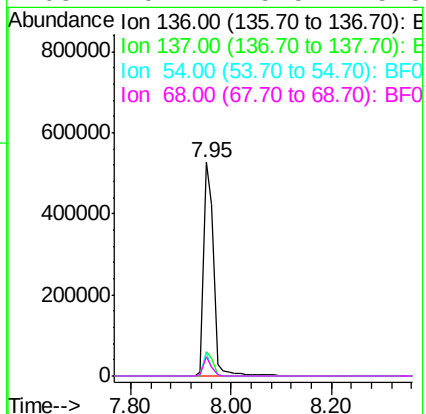
Ion Ratio Lower Upper

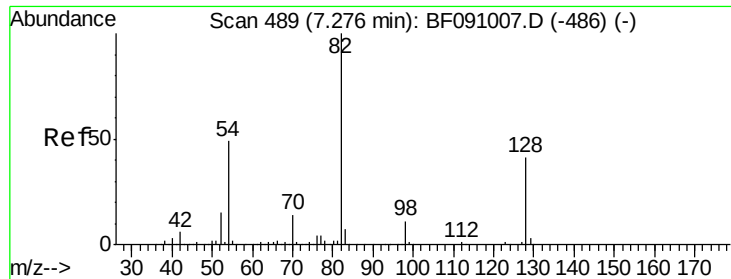
136 100

137 11.4 8.9 13.3

54 10.8 6.2 9.2#

68 9.2 5.5 8.3#





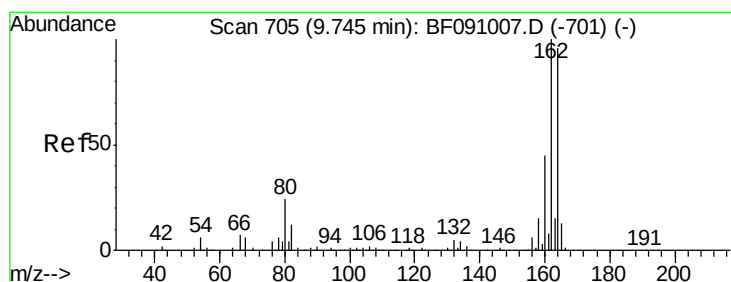
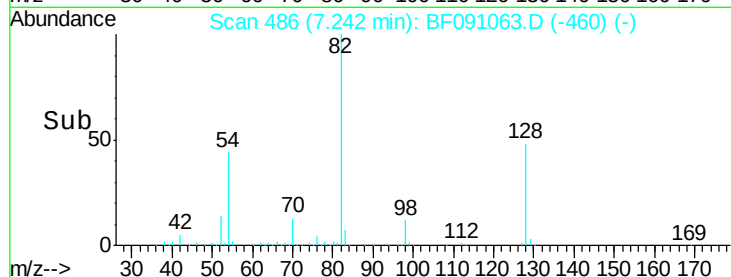
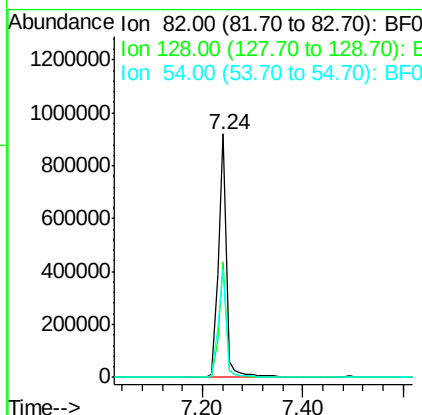
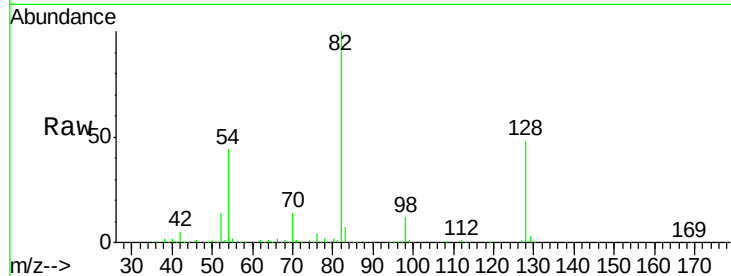
#23
 Nitrobenzene-d5
 Concen: 77.45 ng
 RT: 7.24 min Scan# 486
 Delta R.T. 0.00 min
 Lab File: BF091063.D
 Acq: 7 Nov 2016 18:33

Instrument :
 BNA_F
 ClientSampleId :
 SB-109-0.5-1.0

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.6	32.4	48.6
54	44.1	39.2	58.8

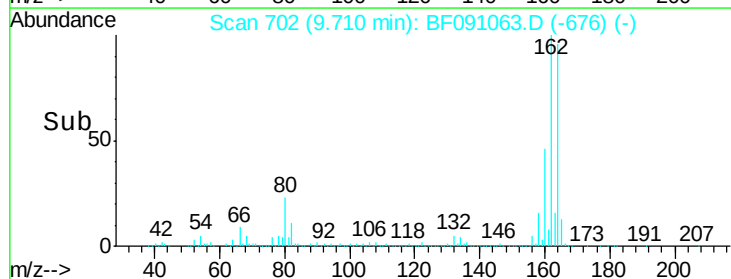
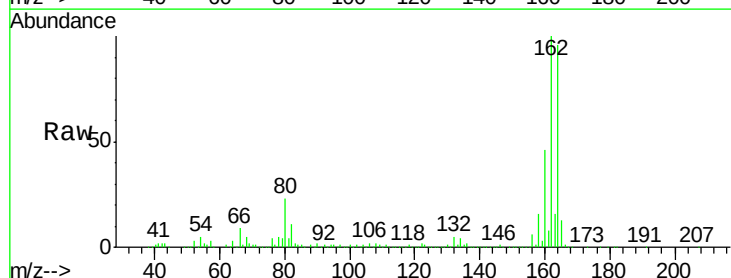
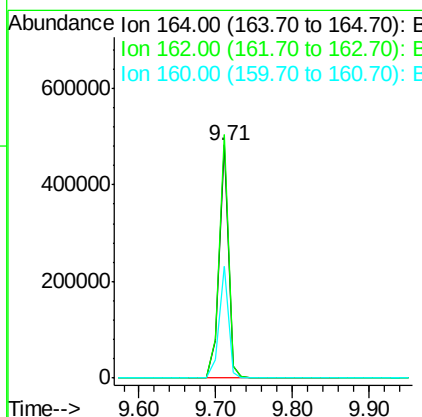
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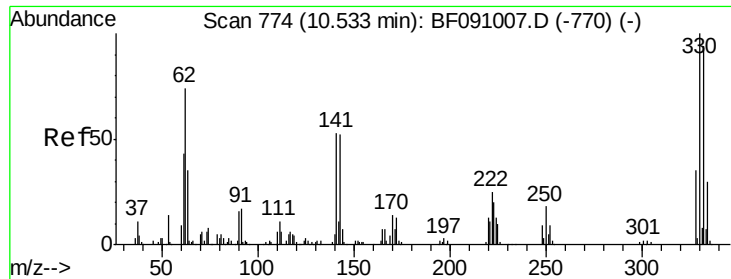
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.71 min Scan# 702
 Delta R.T. 0.00 min
 Lab File: BF091063.D
 Acq: 7 Nov 2016 18:33

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.5	83.6	125.4
160	47.8	37.9	56.9





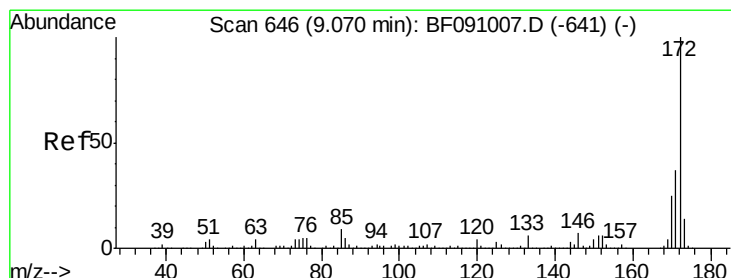
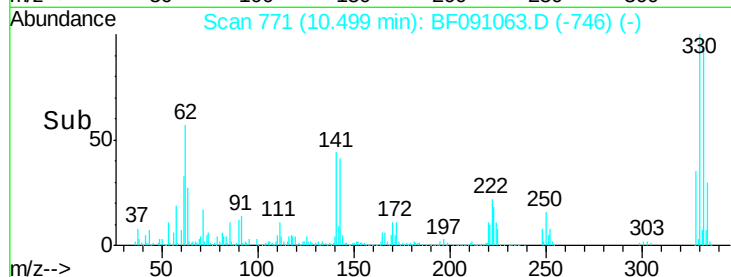
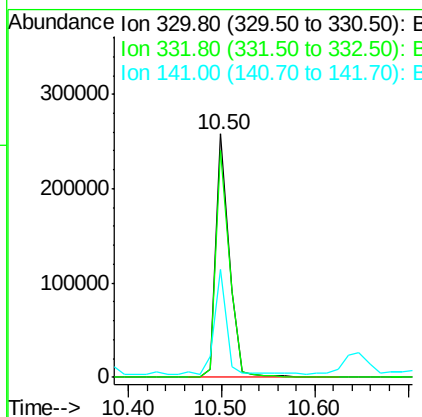
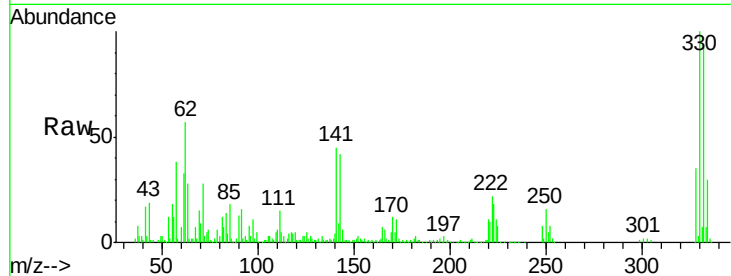
#41
 2,4,6-Tribromophenol
 Concen: 69.04 ng
 RT: 10.50 min Scan# 771
 Delta R.T. -0.01 min
 Lab File: BF091063.D
 Acq: 7 Nov 2016 18:33

Instrument :
 BNA_F
 ClientSampleId :
 SB-109-0.5-1.0

Tot Ion	Ratio	Resp	Lower	Upper
330	100	257114		
332	94.9	75.9	113.9	
141	42.0	36.1	54.1	

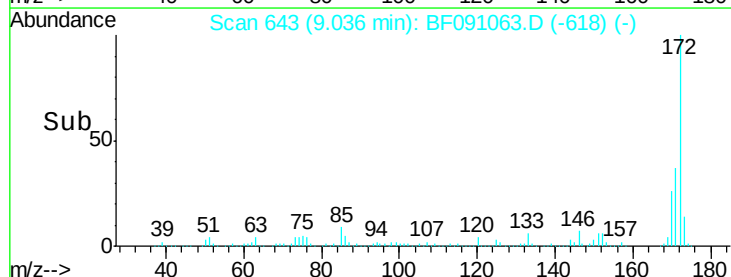
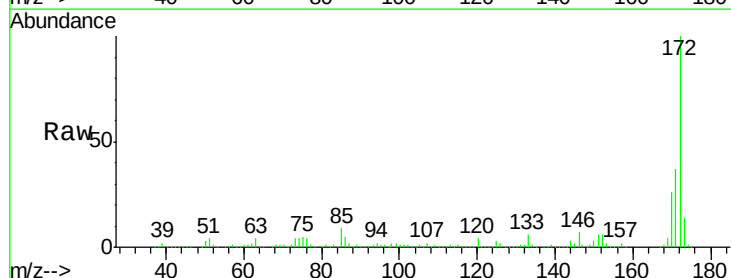
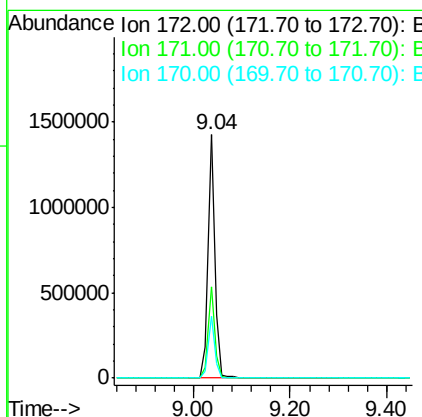
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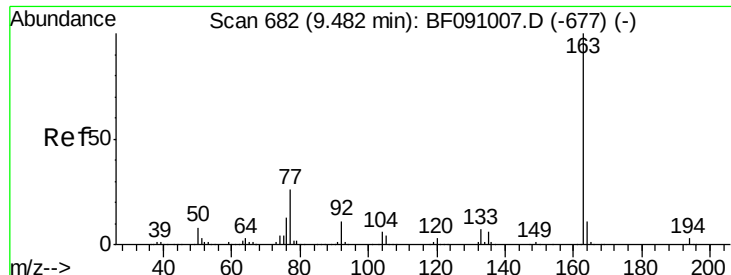
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#44
 2-Fluorobiphenyl
 Concen: 58.91 ng
 RT: 9.04 min Scan# 643
 Delta R.T. -0.01 min
 Lab File: BF091063.D
 Acq: 7 Nov 2016 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1409394		
171	37.3	29.8	44.6	
170	25.5	20.3	30.5	





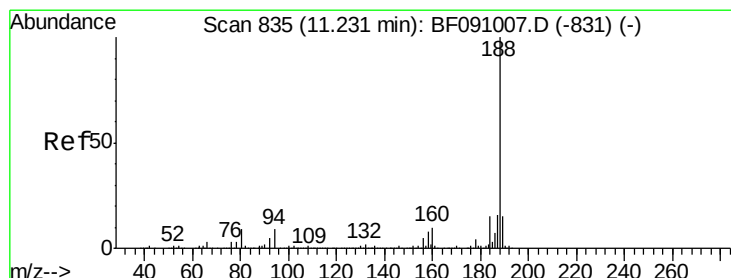
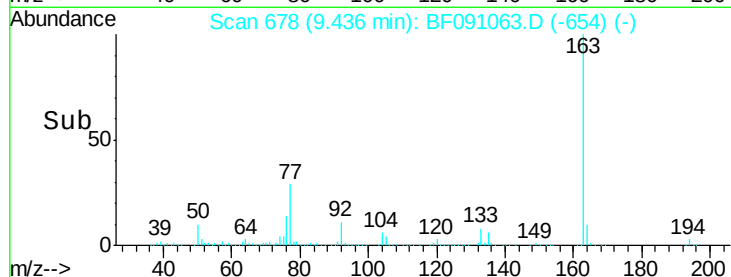
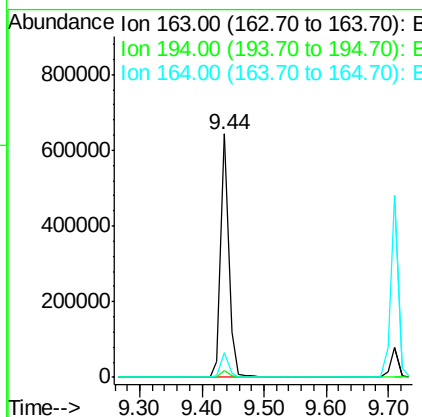
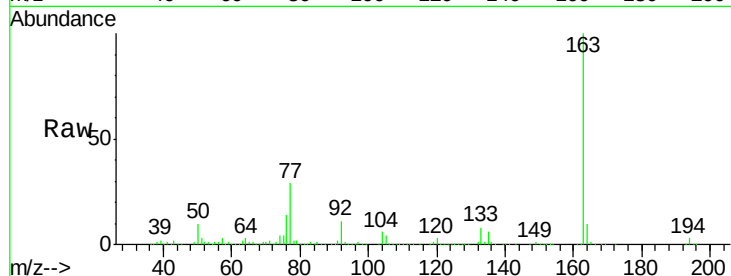
#49
Dimethylphthalate
Concen: 21.27 ng
RT: 9.44 min Scan# 678
Delta R.T. -0.02 min
Lab File: BF091063.D
Acq: 7 Nov 2016 18:33

Instrument :
BNA_F
ClientSampleId :
SB-109-0.5-1.0

Tot Ion	Ratio	Lower	Upper
163	100		
194	2.9	2.6	4.0
164	10.4	8.7	13.1

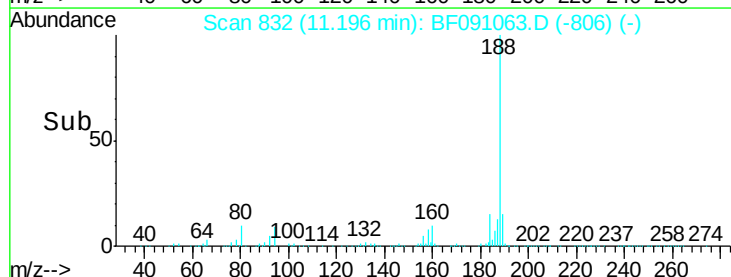
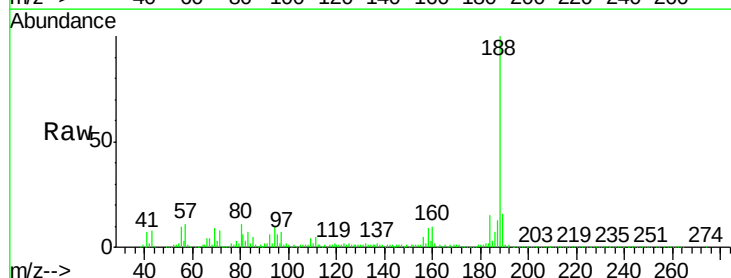
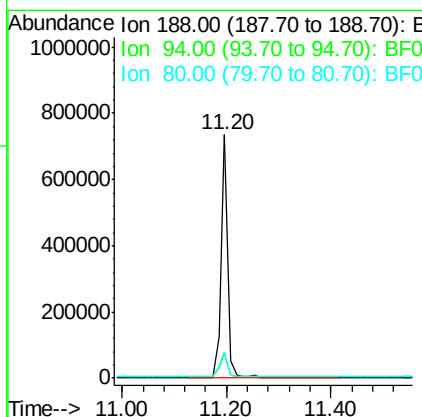
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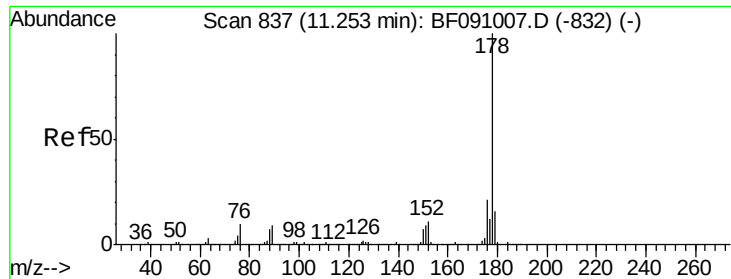
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.20 min Scan# 832
Delta R.T. 0.00 min
Lab File: BF091063.D
Acq: 7 Nov 2016 18:33

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	7.0	10.4
80	10.9	7.5	11.3





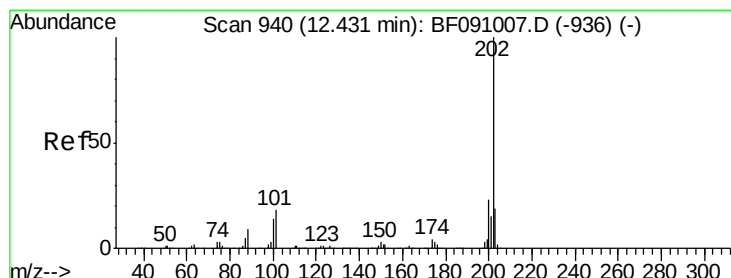
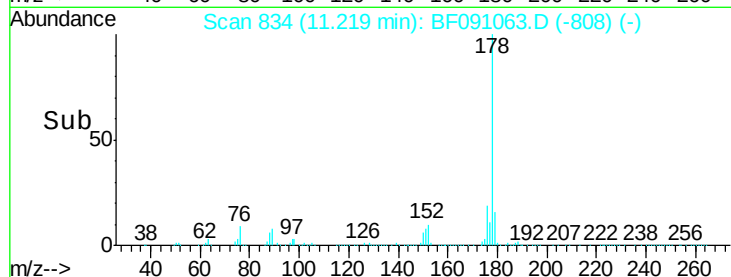
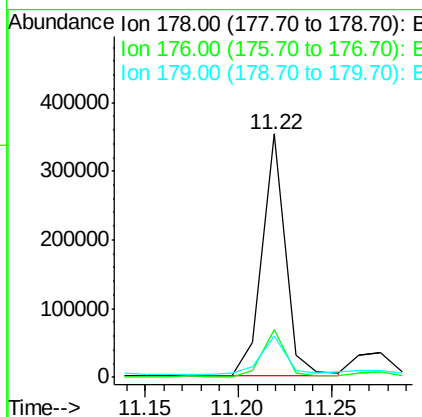
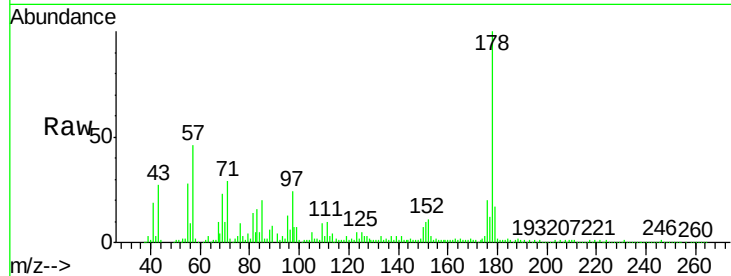
#70
Phenanthrene
Concen: 8.82 ng
RT: 11.22 min Scan# 834
Delta R.T. 0.00 min
Lab File: BF091063.D
Acq: 7 Nov 2016 18:33

Instrument :
BNA_F
ClientSampleId :
SB-109-0.5-1.0

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.6	25.0
179	16.9	12.9	19.3

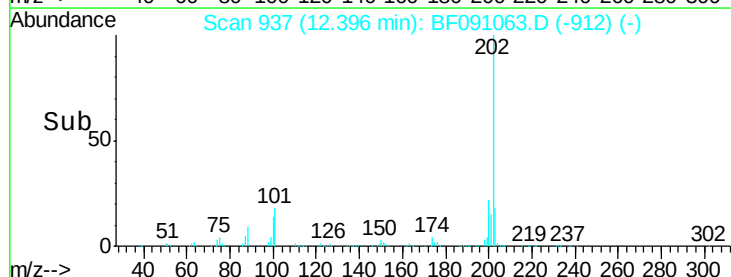
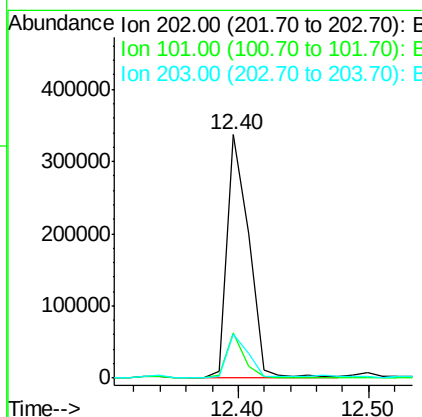
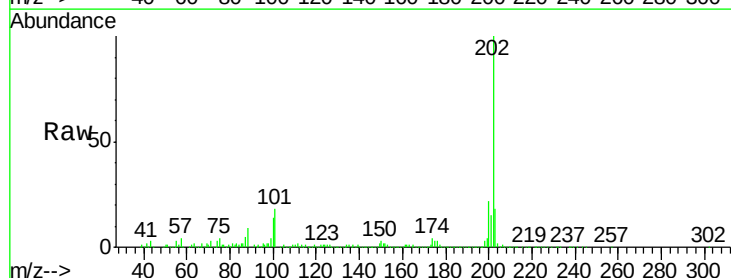
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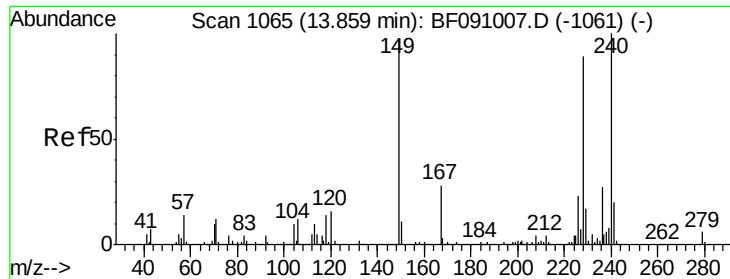
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#74
Fluoranthene
Concen: 10.81 ng
RT: 12.40 min Scan# 937
Delta R.T. -0.01 min
Lab File: BF091063.D
Acq: 7 Nov 2016 18:33

Tgt Ion	Ratio	Lower	Upper
202	100		
101	18.4	0.0	37.6
203	18.0	0.0	38.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.83 min Scan# 1062

Delta R.T. 0.00 min

Lab File: BF091063.D

Acq: 7 Nov 2016 18:33

Instrument :

BNA_F

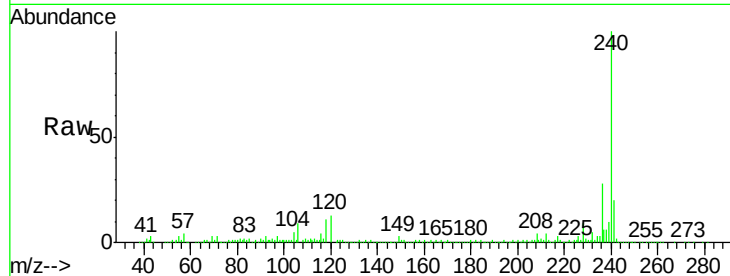
ClientSampleId :

SB-109-0.5-1.0

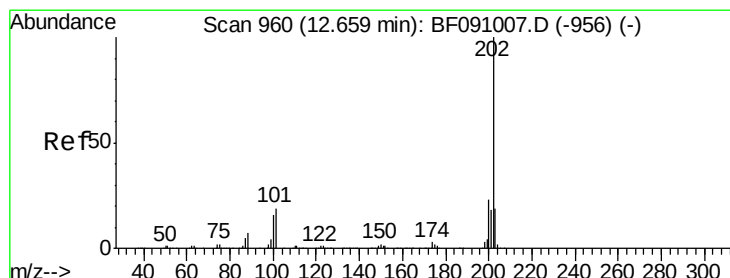
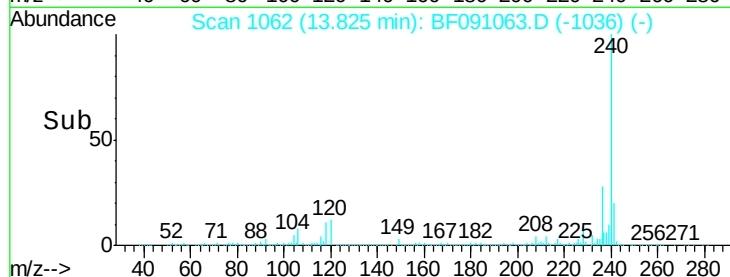
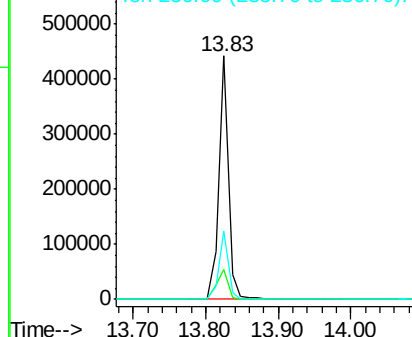
Tot Ion	Ratio	Lower	Upper
240	100		
120	12.5	12.9	19.3#
236	27.9	21.9	32.9

Manual Integrations
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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 14.12 ng

RT: 12.62 min Scan# 957

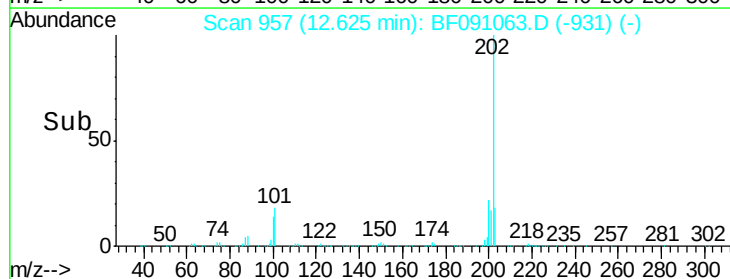
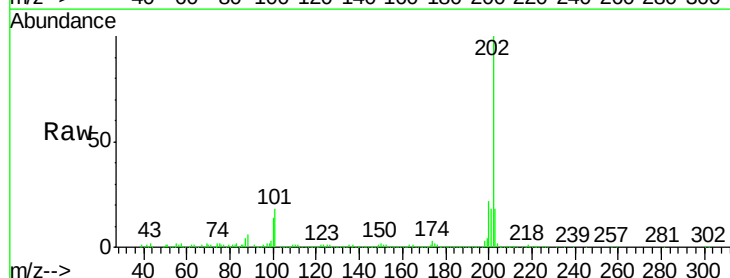
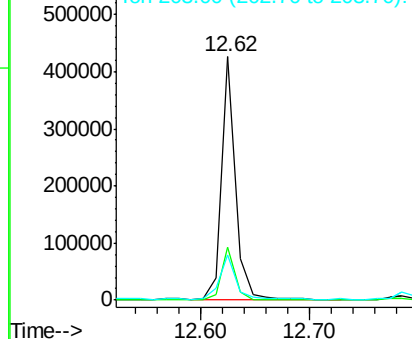
Delta R.T. 0.00 min

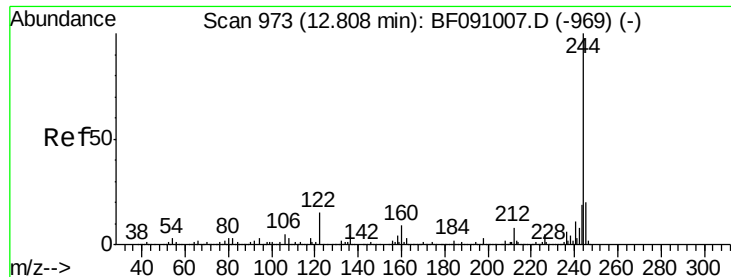
Lab File: BF091063.D

Acq: 7 Nov 2016 18:33

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.8	18.4	27.6
203	18.4	15.0	22.6

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 81.87 ng

RT: 12.78 min Scan# 971

Delta R.T. 0.00 min

Lab File: BF091063.D

Acq: 7 Nov 2016 18:33

Instrument :

BNA_F

ClientSampleId :

SB-109-0.5-1.0

Tot Ion:244 Resp: 1345198

Ion Ratio Lower Upper

244 100

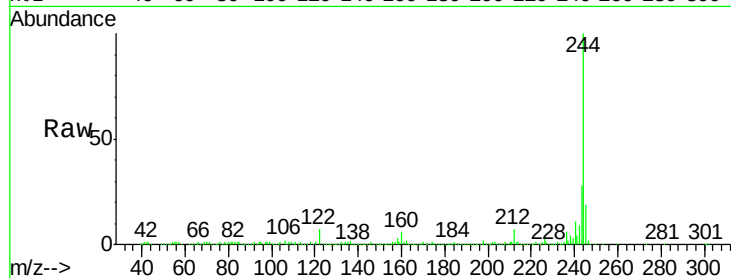
212 6.7 6.4 9.6

122 7.4 12.3 18.5#

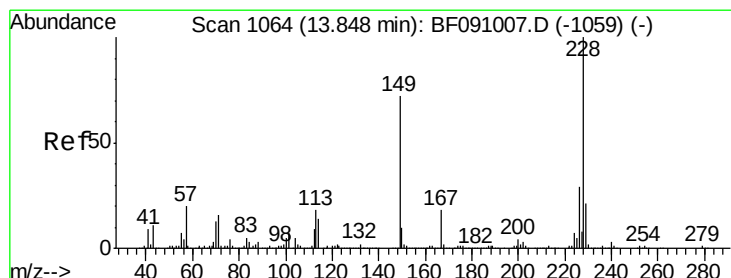
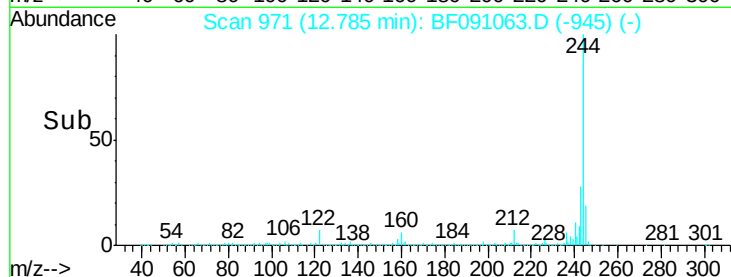
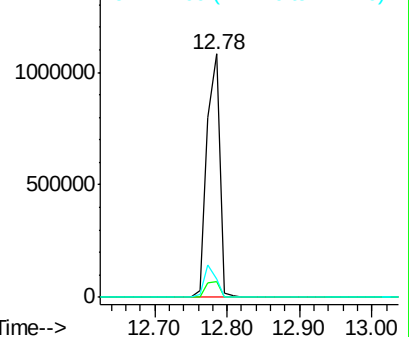
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 6.57 ng m

RT: 13.81 min Scan# 1061

Delta R.T. 0.00 min

Lab File: BF091063.D

Acq: 7 Nov 2016 18:33

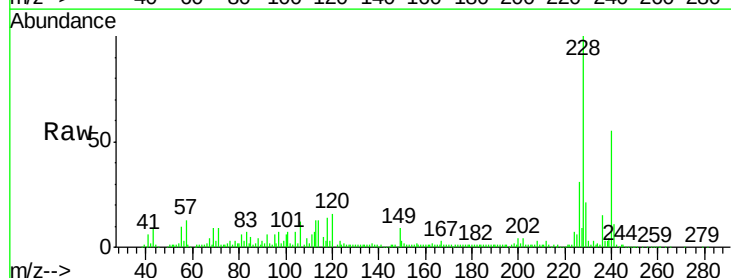
Tgt Ion:228 Resp: 152991

Ion Ratio Lower Upper

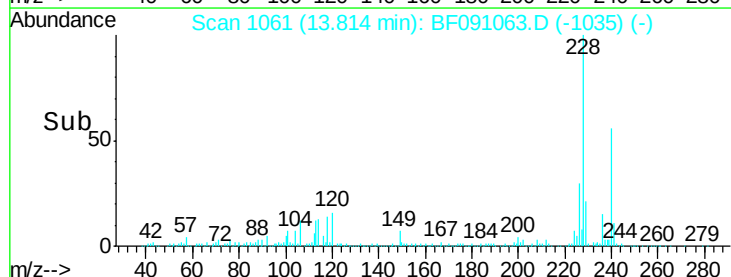
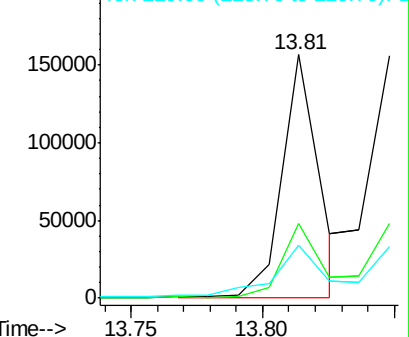
228 100

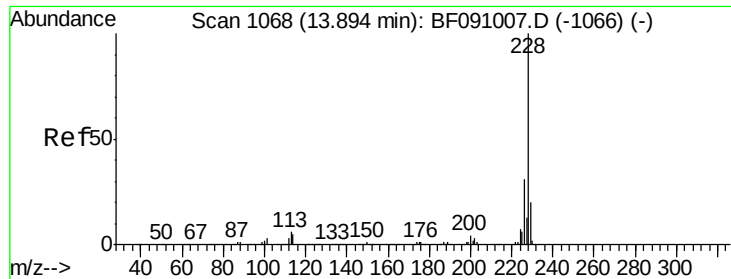
226 30.6 23.0 34.6

229 21.5 16.6 24.8



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





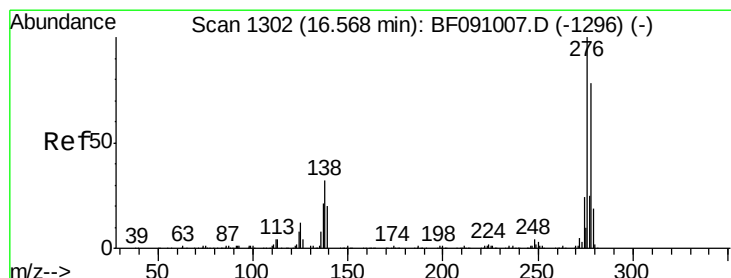
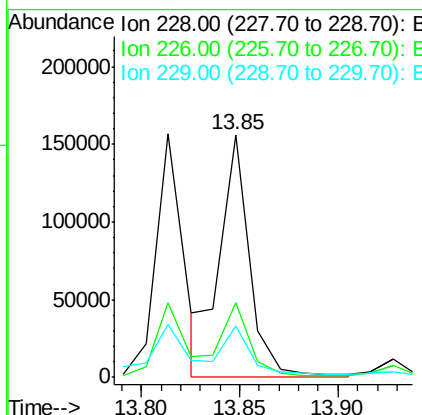
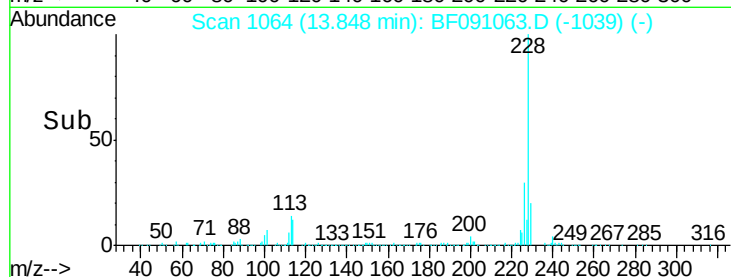
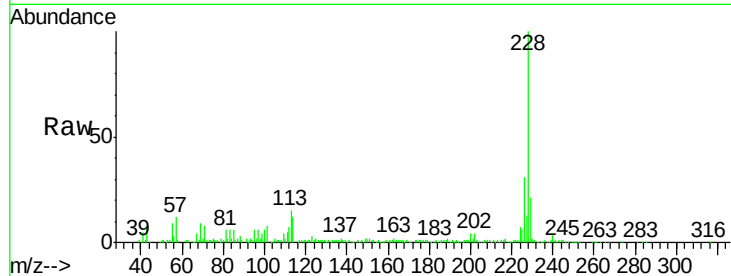
#82
Chrysene
Concen: 7.22 ng/ml
RT: 13.85 min Scan# 1064
Delta R.T. -0.01 min
Lab File: BF091063.D
Acq: 7 Nov 2016 18:33

Instrument :
BNA_F
ClientSampleId :
SB-109-0.5-1.0

Tot Ion:228	Resp:	165726
Ion Ratio	Lower	Upper
228 100		
226 30.7	24.9	37.3
229 21.2	15.9	23.9

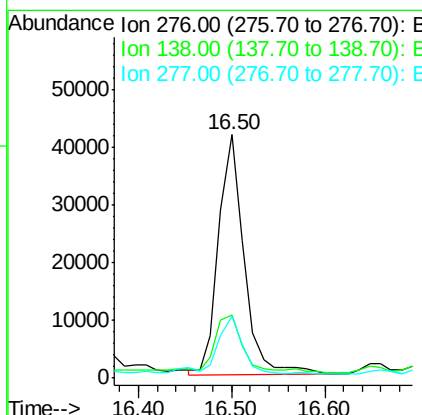
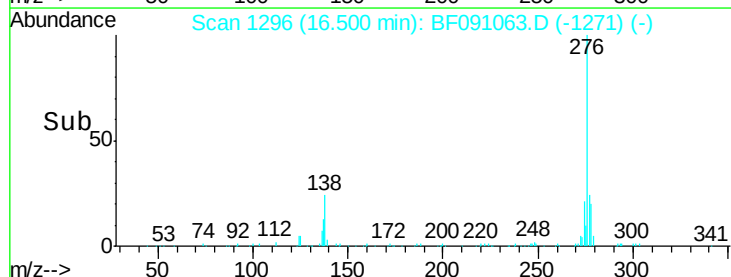
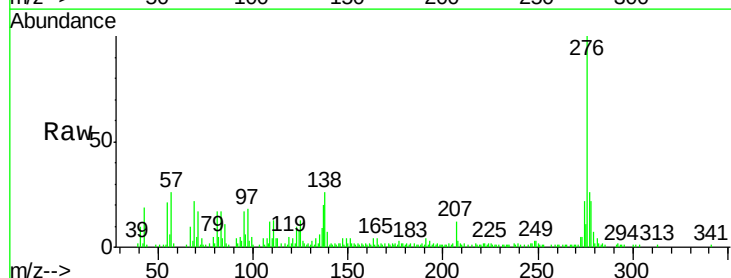
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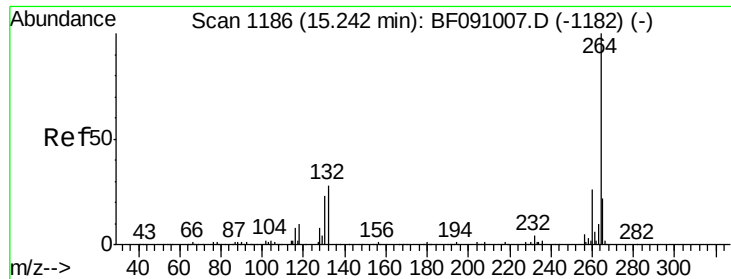
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#85
Indeno(1,2,3-cd)pyrene
Concen: 4.15 ng
RT: 16.50 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF091063.D
Acq: 7 Nov 2016 18:33

Tgt Ion:276	Resp:	79086
Ion Ratio	Lower	Upper
276 100		
138 24.3	26.0	39.0#
277 24.3	20.1	30.1





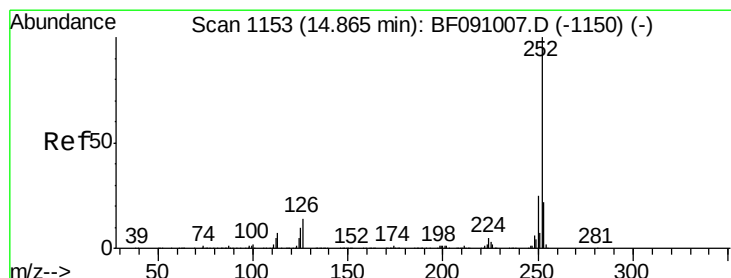
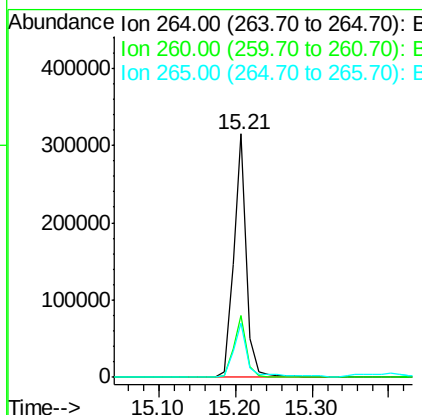
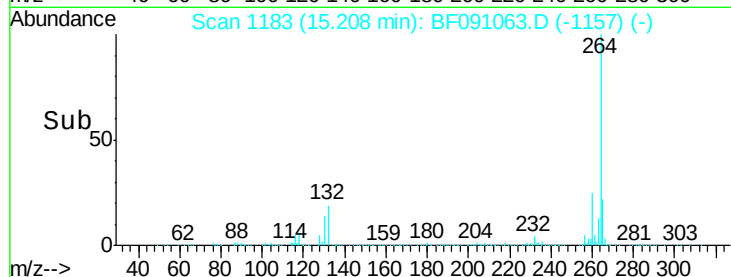
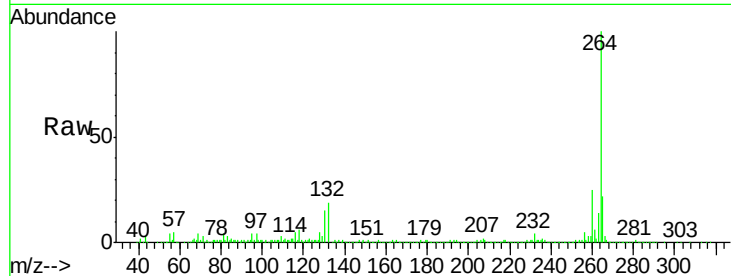
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.21 min Scan# 1183
Delta R.T. 0.00 min
Lab File: BF091063.D
Acq: 7 Nov 2016 18:33

Instrument :
BNA_F
ClientSampleId :
SB-109-0.5-1.0

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.5	20.6	30.8
265	22.4	17.8	26.8

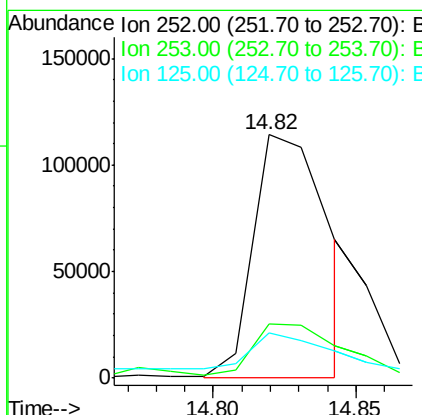
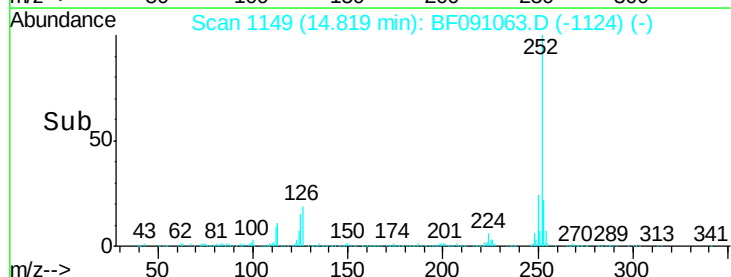
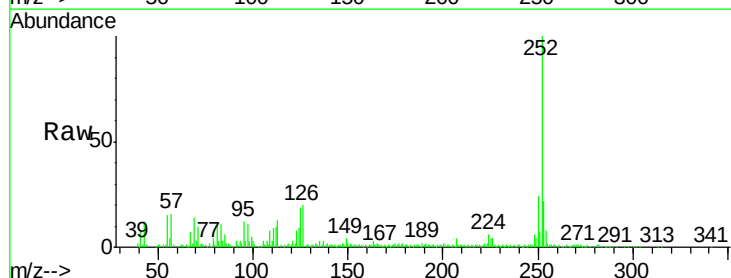
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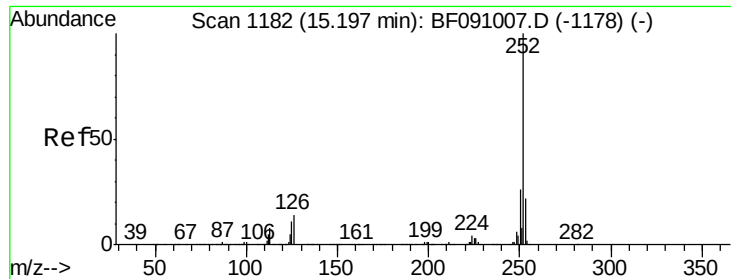
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#87
Benzo(b)fluoranthene
Concen: 8.09 ng m
RT: 14.82 min Scan# 1149
Delta R.T. -0.01 min
Lab File: BF091063.D
Acq: 7 Nov 2016 18:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.0	27.0
125	18.5	8.3	12.5#





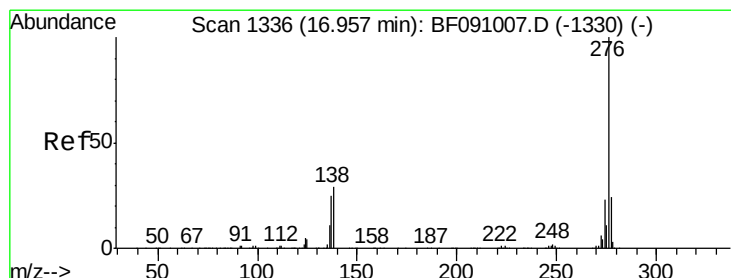
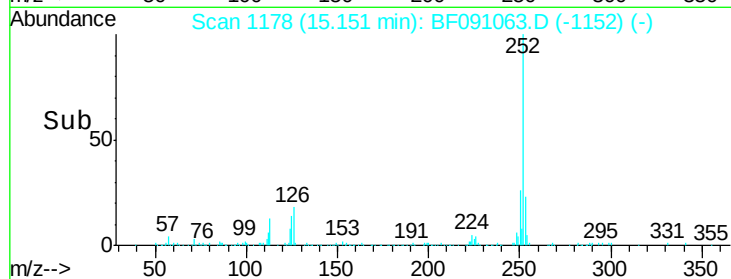
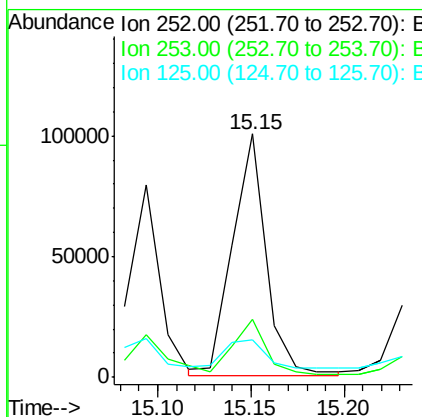
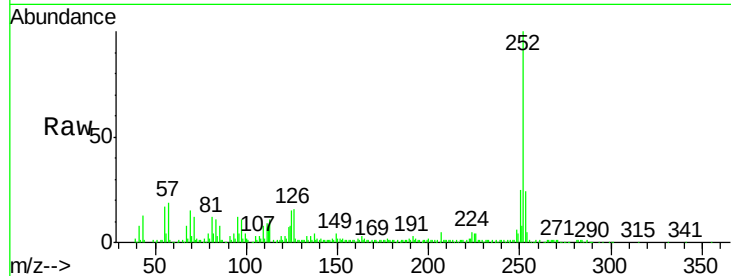
#89
Benzo(a)pyrene
Concen: 5.74 ng
RT: 15.15 min Scan# 1178
Delta R.T. 0.00 min
Lab File: BF091063.D
Acq: 7 Nov 2016 18:33

Instrument :
BNA_F
ClientSampled :
SB-109-0.5-1.0

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.8
125	15.3	8.6	13.0

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 4.24 ng
RT: 16.89 min Scan# 1330
Delta R.T. 0.00 min
Lab File: BF091063.D
Acq: 7 Nov 2016 18:33

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.2	28.8
138	24.7	23.3	34.9

