

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110216\
 Data File : BF090996.D
 Acq On : 2 Nov 2016 22:45
 Operator : UM/SJ
 Sample : H5463-07
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-4(0-2)

Manual Integrations
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Quant Time: Nov 03 13:02:27 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 01 11:53:50 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	167003	20.00	ng	-0.03
21) Naphthalene-d8	8.01	136	631579	20.00	ng	-0.03
38) Acenaphthene-d10	9.76	164	328690	20.00	ng	-0.03
63) Phenanthrene-d10	11.24	188	495429	20.00	ng	-0.02
75) Chrysene-d12	13.88	240	386708	20.00	ng	-0.02
86) Perylene-d12	15.28	264	345114	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	1342585	140.56	ng	-0.01
7) Phenol-d6	6.37	99	1530186	118.74	ng	-0.02
23) Nitrobenzene-d5	7.29	82	795098	82.41	ng	-0.03
41) 2,4,6-Tribromophenol	10.56	330	371196	109.89	ng	-0.02
44) 2-Fluorobiphenyl	9.09	172	1648653	88.08	ng	-0.02
78) Terphenyl-d14	12.83	244	1096558	71.44	ng	-0.02
Target Compounds						Qvalue
10) Phenol	6.38	94	69347	4.88	ng	72
31) Naphthalene	8.03	128	110286	3.74	ng	99
48) Acenaphthylene	9.62	152	396280	14.53	ng	96
49) Dimethylphthalate	9.48	163	314278	14.31	ng	# 97
70) Phenanthrene	11.26	178	128502	5.09	ng	97
71) Anthracene	11.32	178	195378	7.35	ng	99
74) Fluoranthene	12.45	202	432509	15.65	ng	91
77) Pyrene	12.68	202	685592	28.01	ng	96
80) Benzo(a)anthracene	13.87	228	413365m	20.14	ng	
82) Chrysene	13.91	228	440364m	21.21	ng	
85) Indeno(1,2,3-cd)pyrene	16.61	276	347201	18.87	ng	# 88
87) Benzo(b)fluoranthene	14.90	252	684317m	29.49	ng	
88) Benzo(k)fluoranthene	14.90	252	319937m	17.45	ng	
89) Benzo(a)pyrene	15.23	252	581155	29.15	ng	# 85
90) Dibenzo(a,h)anthracene	16.61	278	94886	5.62	ng	# 59
91) Benzo(g,h,i)perylene	17.01	276	346058	21.77	ng	# 80

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

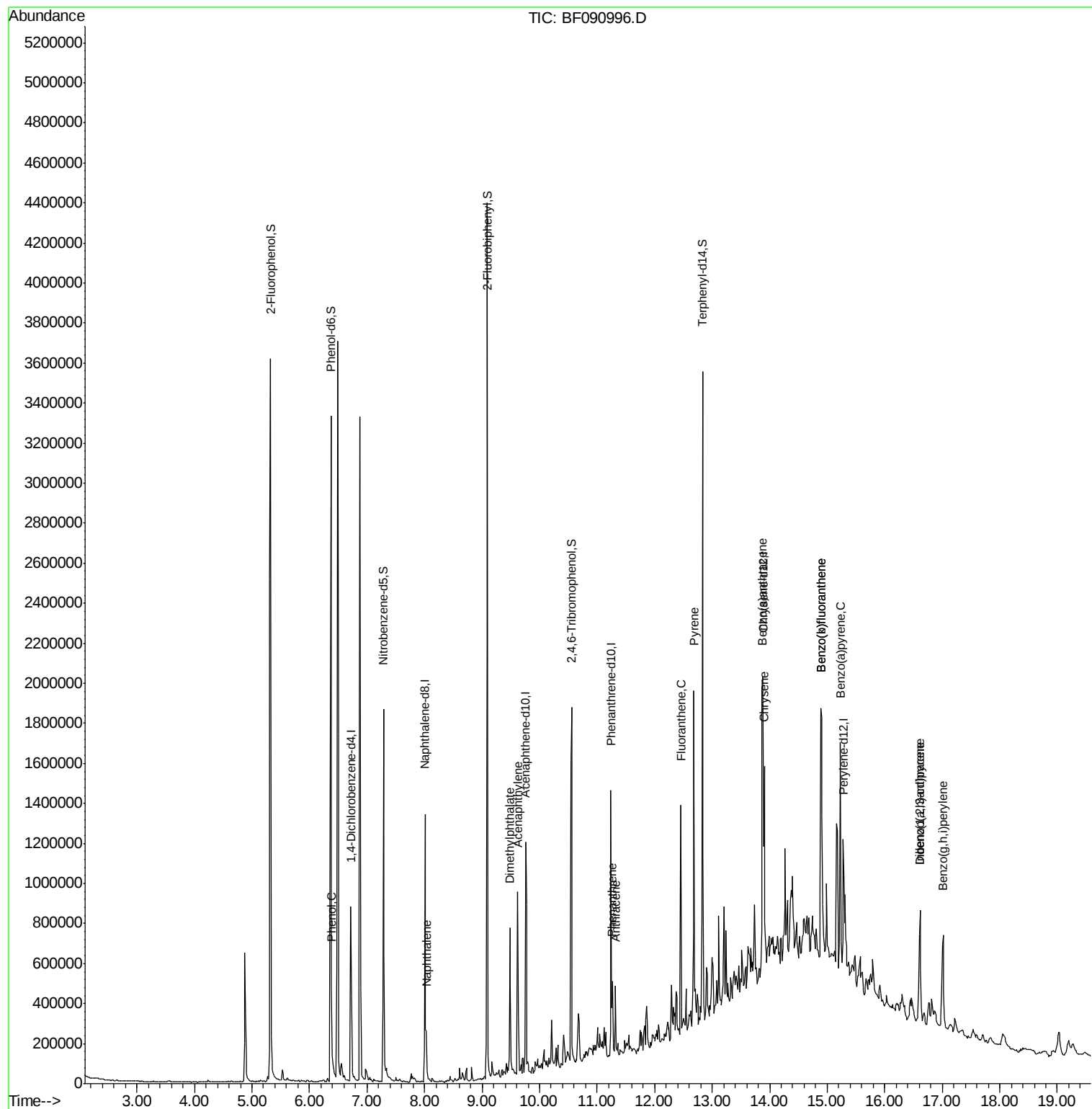
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110216\
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
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#1

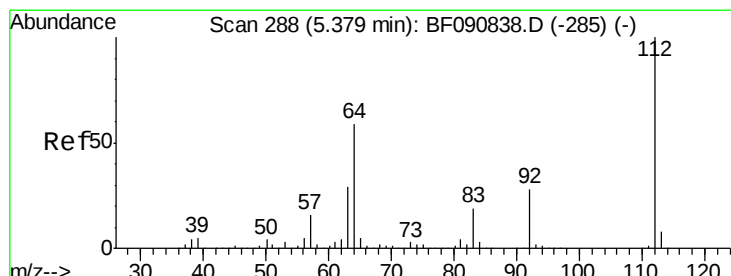
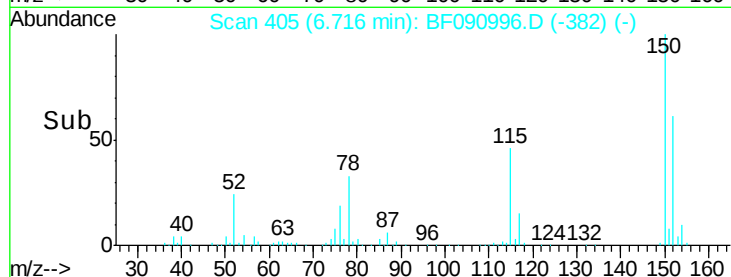
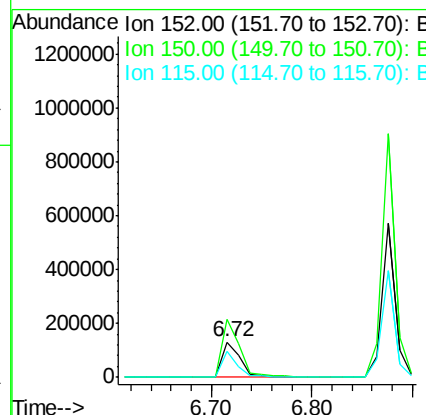
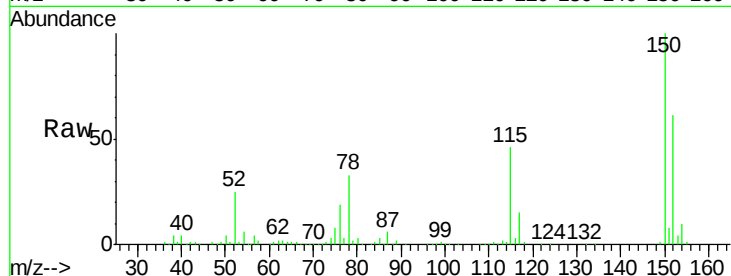
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.72 min Scan# 405
Delta R.T. -0.03 min
Lab File: BF090996.D
Acq: 2 Nov 2016 22:45

Instrument :
BNA_F
ClientSampleId :
SB-4(0-2)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	162.7	124.7	187.1
115	74.3	39.0	58.4

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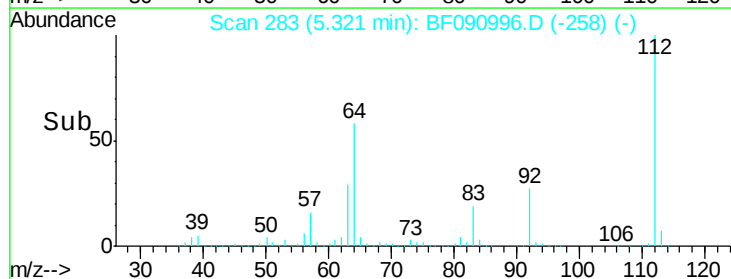
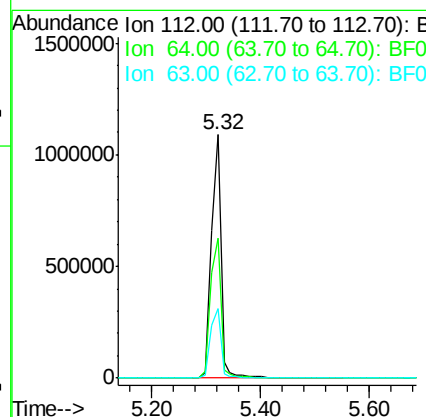
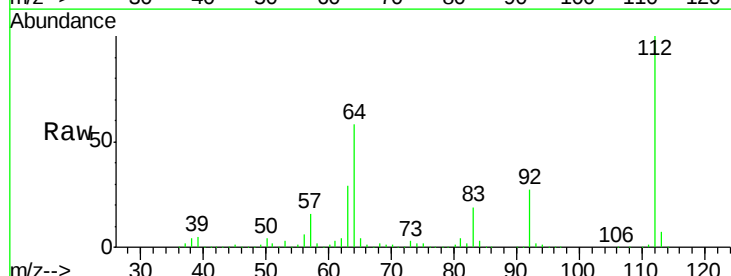
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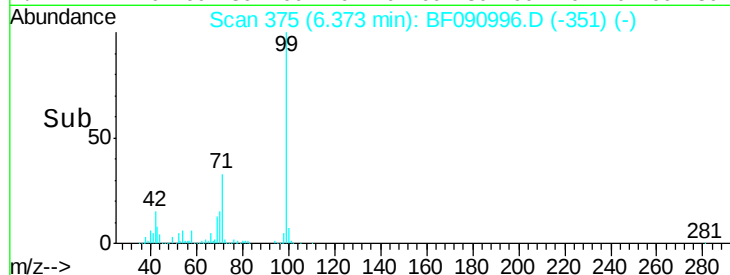
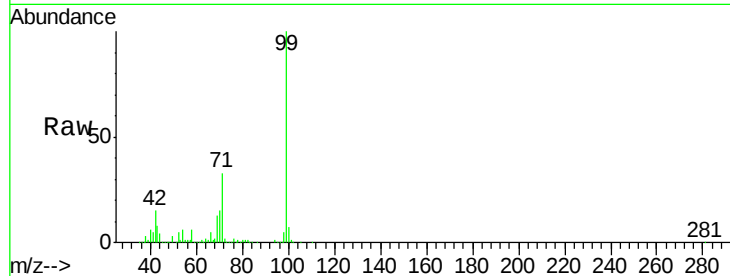


#5

2-Fluorophenol
Concen: 140.56 ng
RT: 5.32 min Scan# 283
Delta R.T. -0.01 min
Lab File: BF090996.D
Acq: 2 Nov 2016 22:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.7	39.7	59.5
63	28.7	17.4	26.0





#7

Phenol-d6

Concen: 118.74 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.02 min

Lab File: BF090996.D

Acq: 2 Nov 2016 22:45

Tgt Ion: 99 Resp: 1530186

Ion Ratio Lower Upper

99 100

42 15.0 13.7 20.5

71 33.5 14.2 21.2#

Instrument :

BNA_F

ClientSampleId :

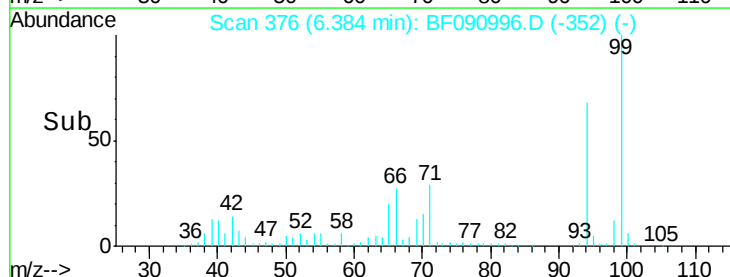
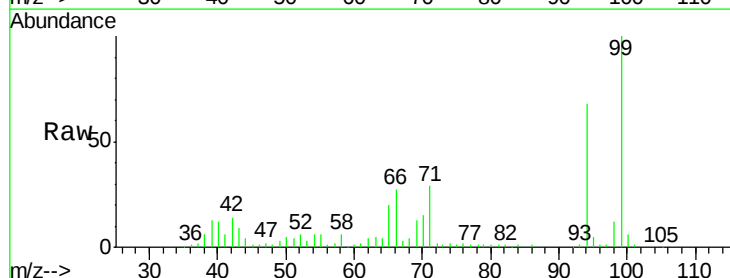
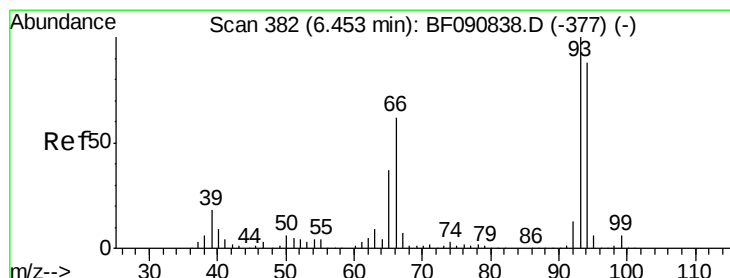
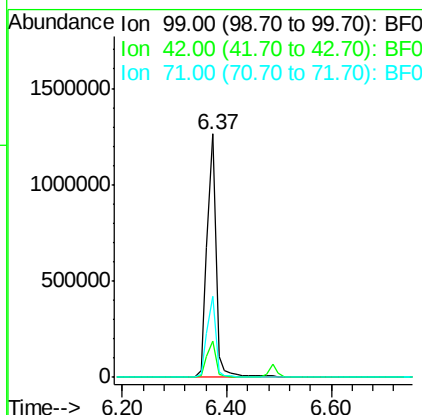
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#10

Phenol

Concen: 4.88 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.02 min

Lab File: BF090996.D

Acq: 2 Nov 2016 22:45

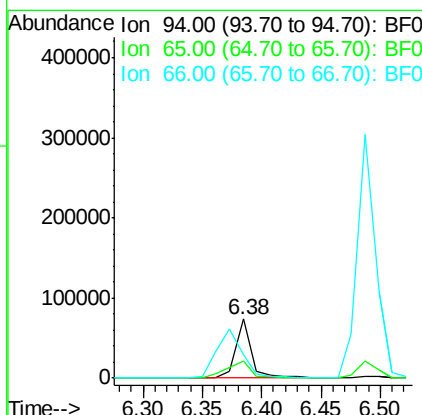
Tgt Ion: 94 Resp: 69347

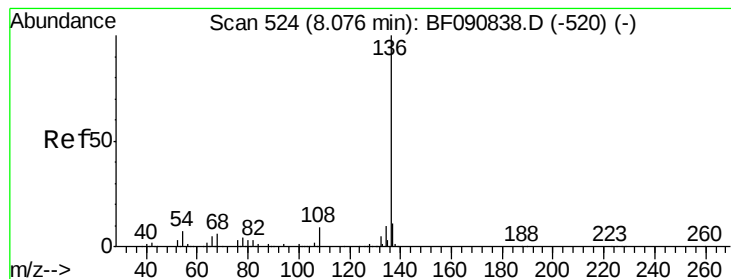
Ion Ratio Lower Upper

94 100

65 28.6 0.7 40.7

66 38.8 0.8 40.8





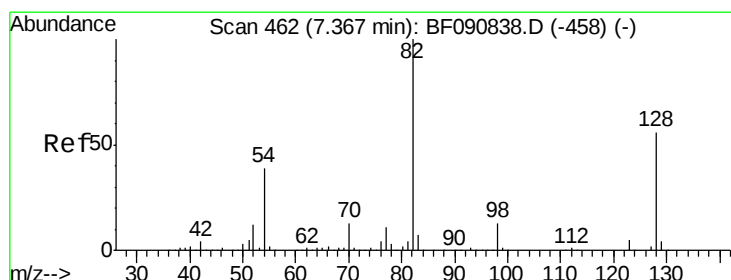
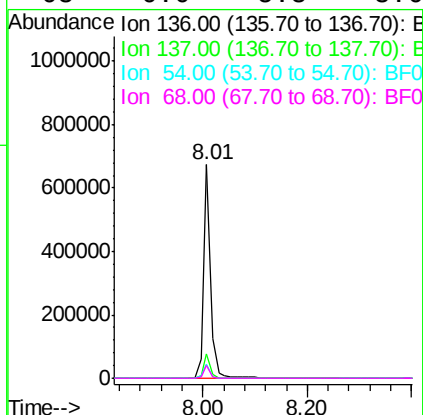
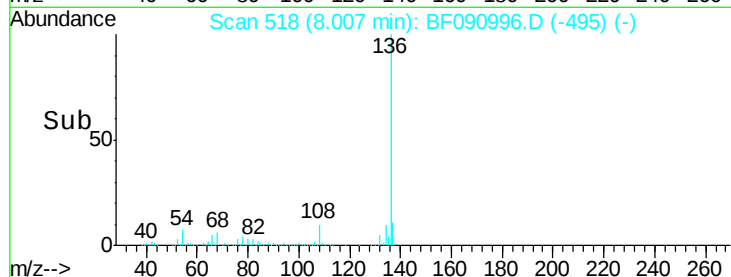
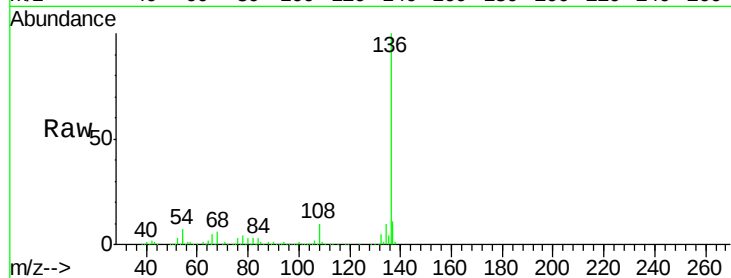
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.03 min
Lab File: BF090996.D
Acq: 2 Nov 2016 22:45

Instrument :
BNA_F
ClientSampleId :
SB-4(0-2)

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	631579		
137	11.4	9.0	13.6	
54	6.6	8.2	12.2	
68	6.0	5.8	8.6	

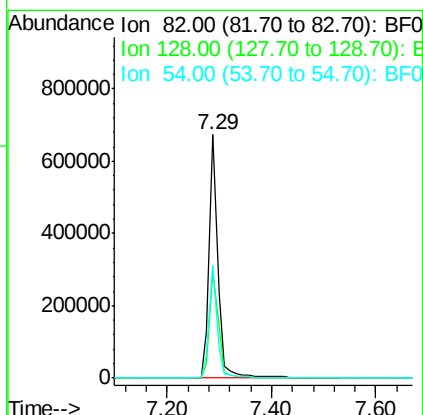
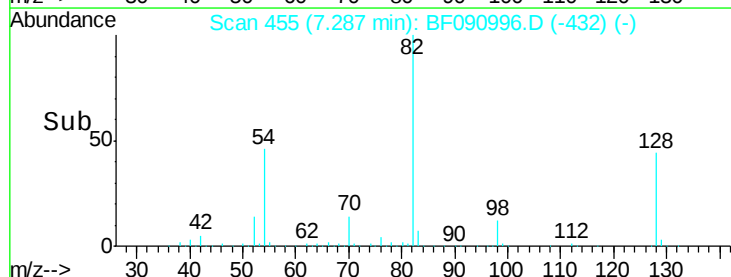
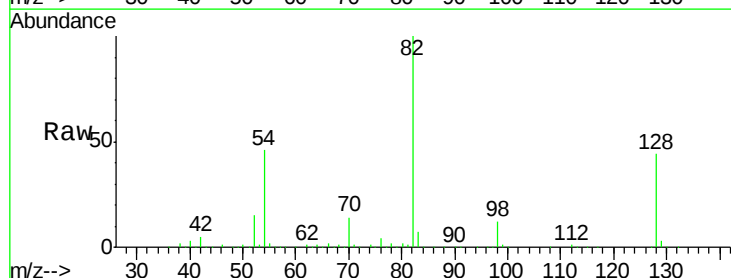
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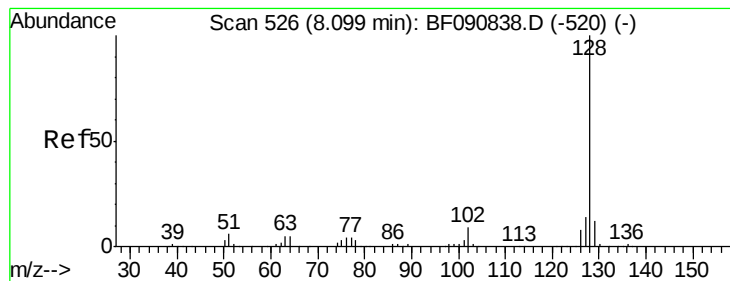
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#23
Nitrobenzene-d5
Concen: 82.41 ng
RT: 7.29 min Scan# 455
Delta R.T. -0.03 min
Lab File: BF090996.D
Acq: 2 Nov 2016 22:45

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	795098		
128	43.6	51.0	76.6	
54	46.3	47.5	71.3	





#31

Naphthalene

Concen: 3.74 ng

RT: 8.03 min Scan# 520

Delta R.T. -0.03 min

Lab File: BF090996.D

Acq: 2 Nov 2016 22:45

Instrument :

BNA_F

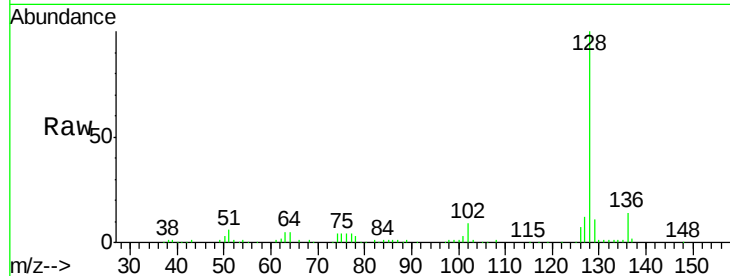
ClientSampleId :

SB-4(0-2)

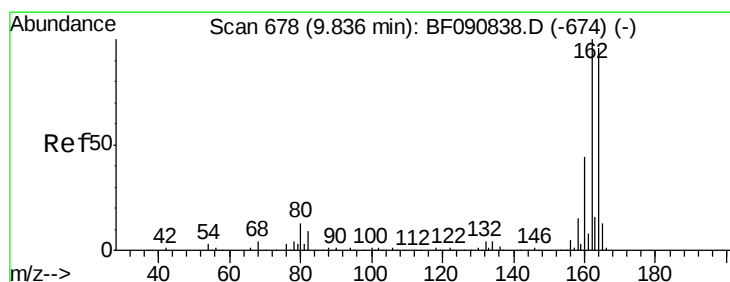
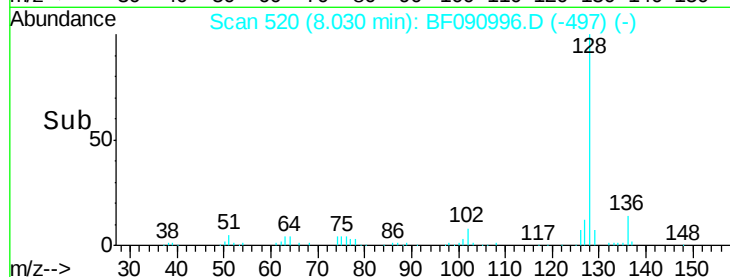
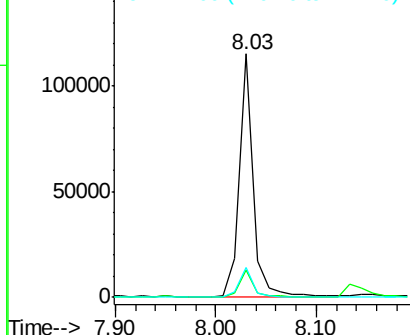
Tgt Ion:	128	Resp:	110286
Ion Ratio		Lower	Upper
128	100		
129	11.1	8.4	12.6
127	12.4	9.9	14.9

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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: 9.76 min Scan# 671

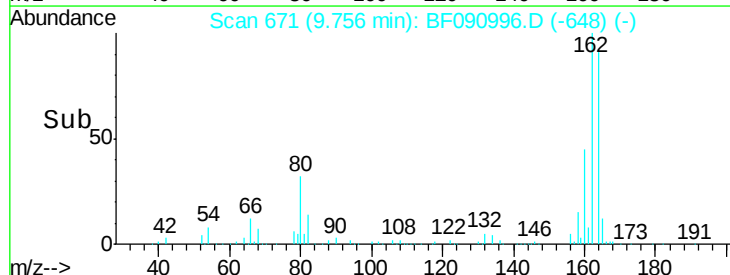
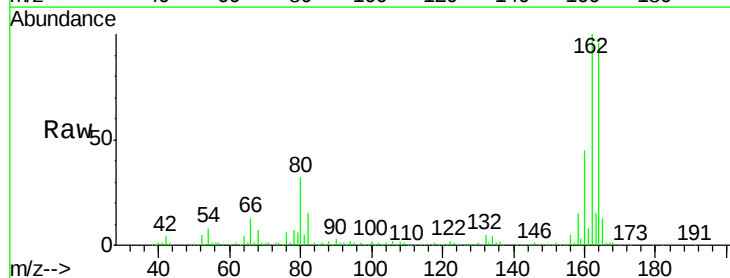
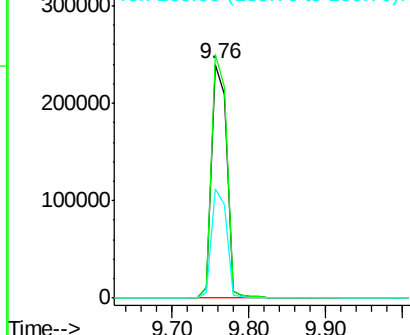
Delta R.T. -0.03 min

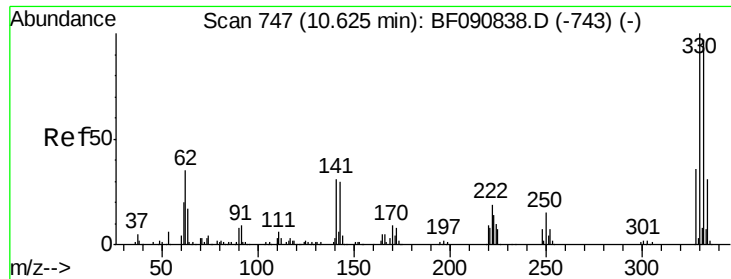
Lab File: BF090996.D

Acq: 2 Nov 2016 22:45

Tgt Ion:	164	Resp:	328690
Ion Ratio		Lower	Upper
164	100		
162	104.1	75.2	112.8
160	46.5	31.5	47.3

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





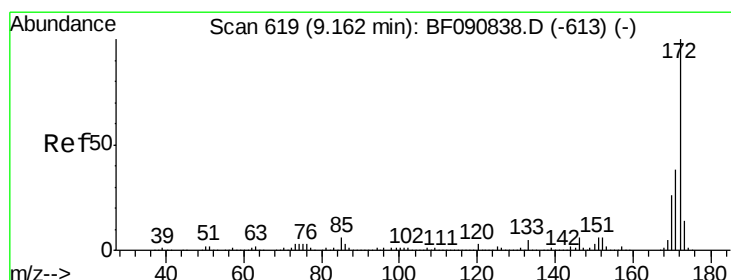
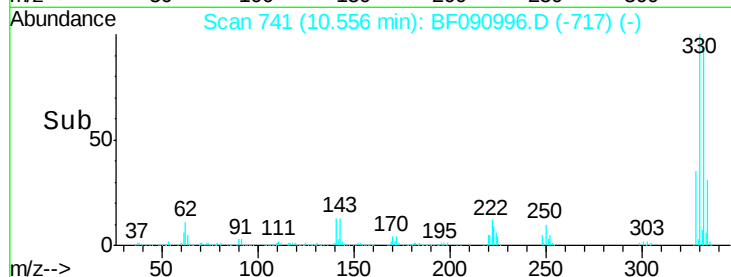
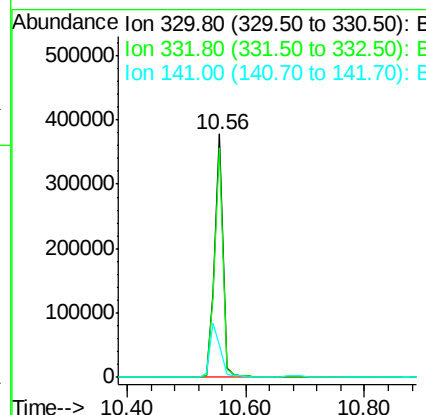
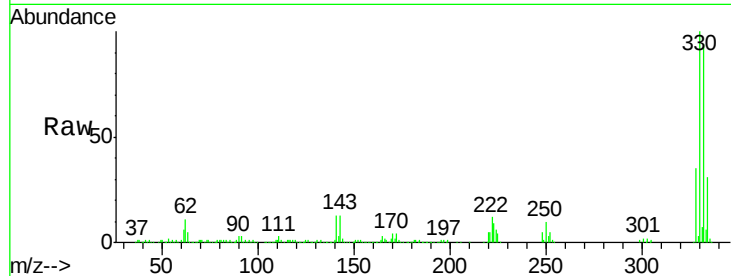
#41
 2,4,6-Tribromophenol
 Concen: 109.89 ng
 RT: 10.56 min Scan# 741
 Delta R.T. -0.02 min
 Lab File: BF090996.D
 Acq: 2 Nov 2016 22:45

Instrument :
 BNA_F
 ClientSampled :
 SB-4(0-2)

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	371196		
332	94.3	76.6	114.8	
141	27.7	29.7	44.5#	

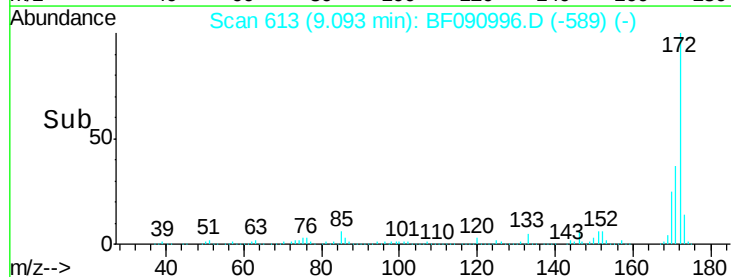
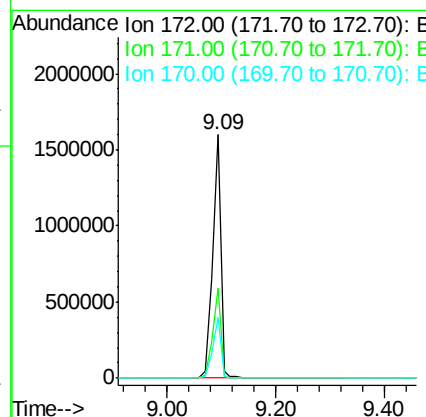
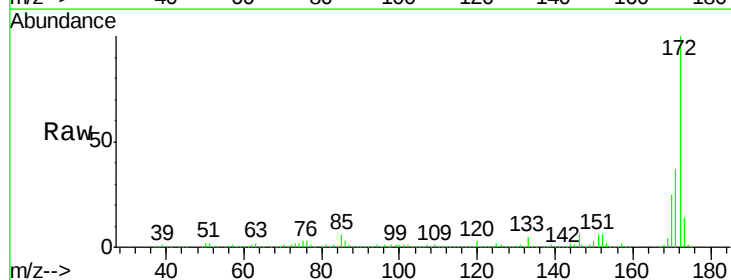
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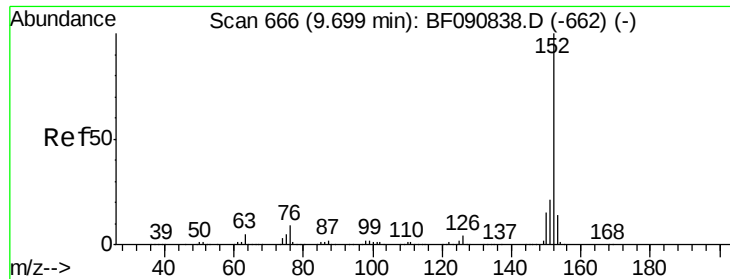
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#44
 2-Fluorobiphenyl
 Concen: 88.08 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.02 min
 Lab File: BF090996.D
 Acq: 2 Nov 2016 22:45

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1648653		
171	36.8	26.1	39.1	
170	24.9	17.4	26.2	





#48

Acenaphthylene

Concen: 14.53 ng

RT: 9.62 min Scan# 659

Delta R.T. -0.03 min

Lab File: BF090996.D

Acq: 2 Nov 2016 22:45

Instrument :

BNA_F

ClientSampled :

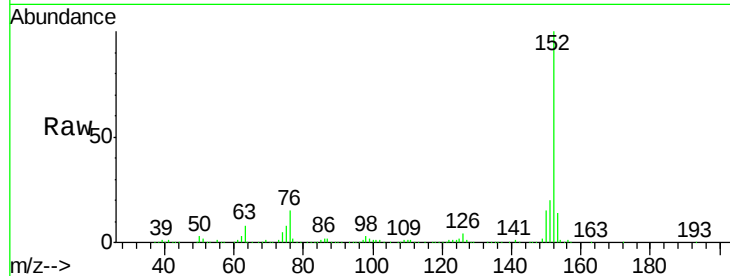
SB-4(0-2)

Tgt Ion:	152	Resp:	396280
Ion Ratio	Lower	Upper	
152	100		
151	20.4	14.6	22.0
153	13.7	10.3	15.5

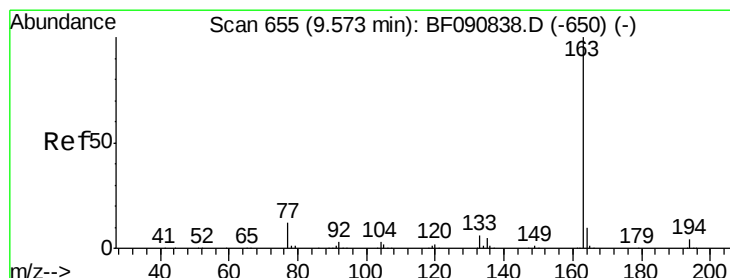
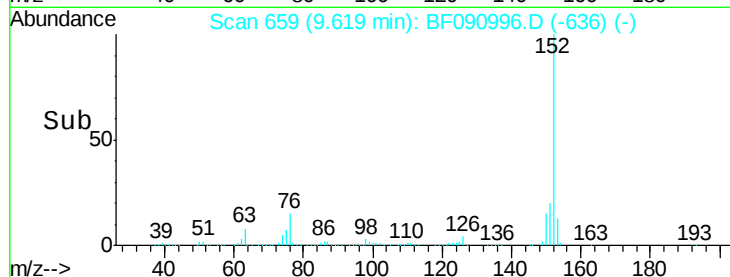
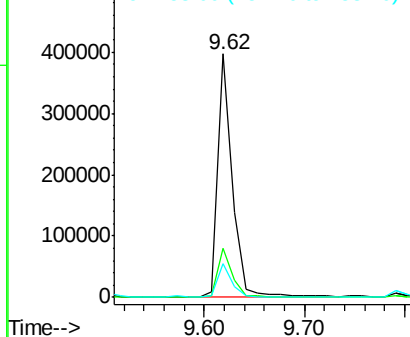
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 14.31 ng

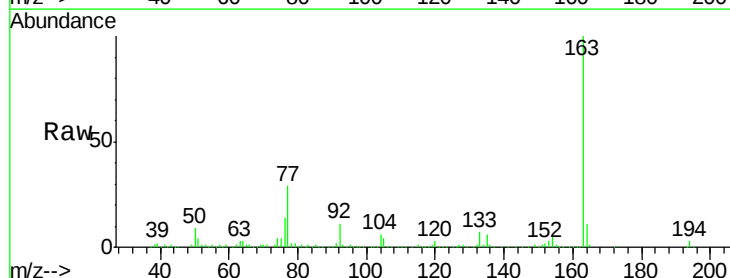
RT: 9.48 min Scan# 647

Delta R.T. -0.03 min

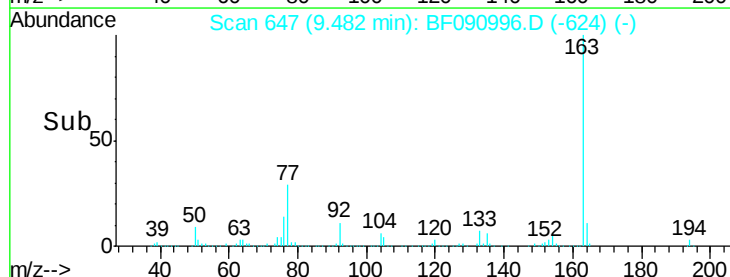
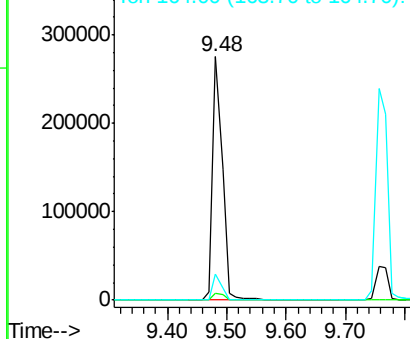
Lab File: BF090996.D

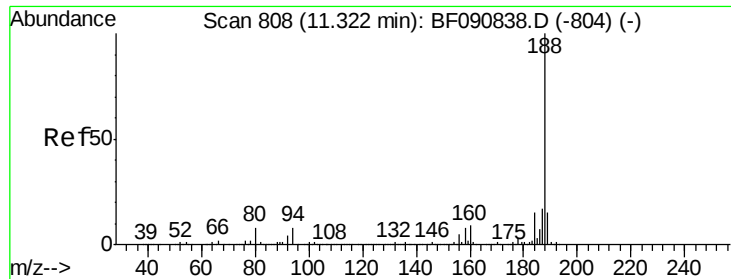
Acq: 2 Nov 2016 22:45

Tgt Ion:	163	Resp:	314278
Ion Ratio	Lower	Upper	
163	100		
194	2.9	4.4	6.6#
164	10.5	8.3	12.5



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





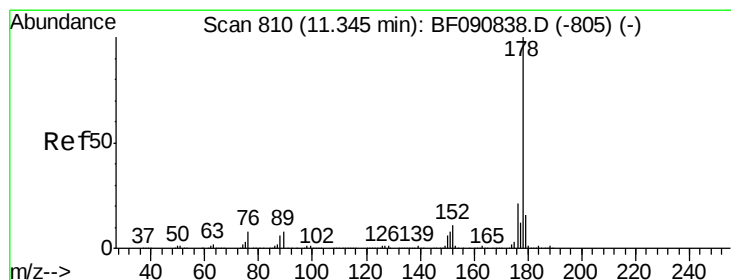
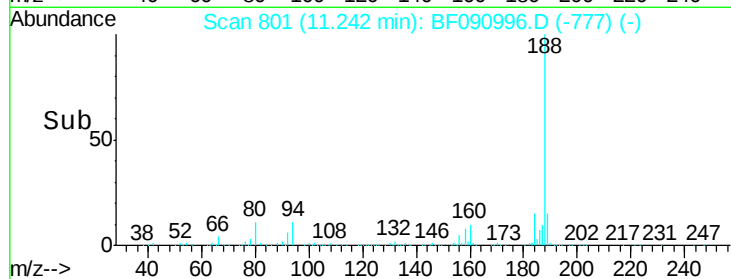
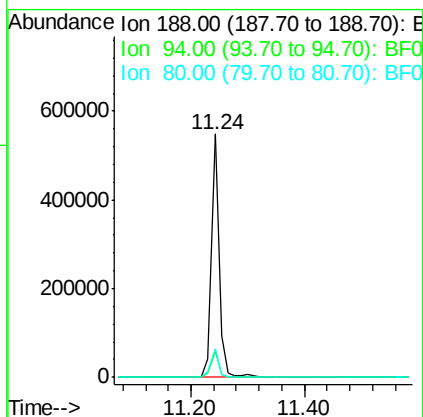
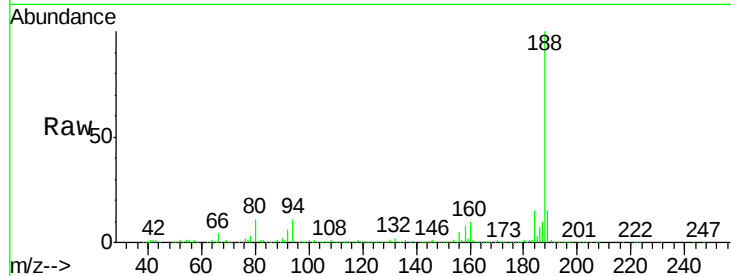
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.24 min Scan# 801
Delta R.T. -0.02 min
Lab File: BF090996.D
Acq: 2 Nov 2016 22:45

Instrument :
BNA_F
ClientSampleId :
SB-4(0-2)

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	495429		
94	10.7		11.1	16.7#
80	11.5		11.0	16.4

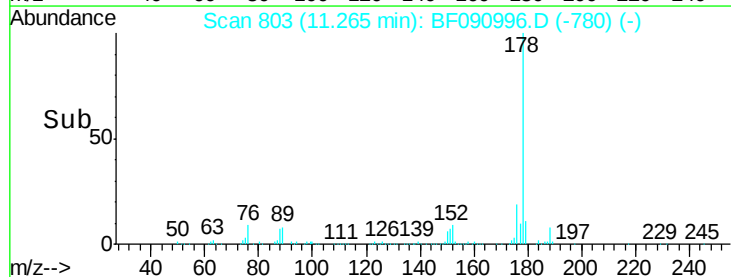
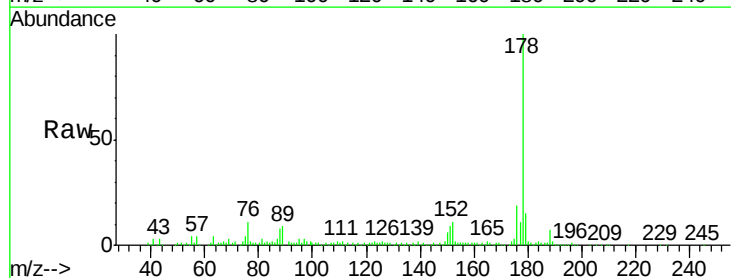
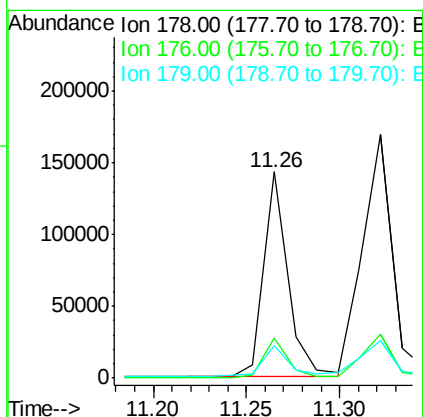
Manual Integrations
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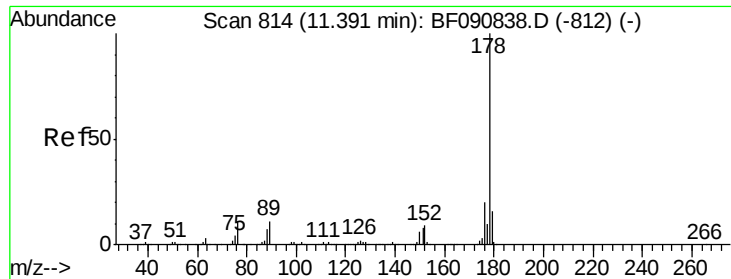
Umangi
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#70
Phenanthrene
Concen: 5.09 ng
RT: 11.26 min Scan# 803
Delta R.T. -0.03 min
Lab File: BF090996.D
Acq: 2 Nov 2016 22:45

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	128502		
176	19.5		13.8	20.8
179	15.5		12.2	18.2





#71

Anthracene

Concen: 7.35 ng

RT: 11.32 min Scan# 808

Delta R.T. -0.02 min

Lab File: BF090996.D

Acq: 2 Nov 2016 22:45

Instrument :

BNA_F

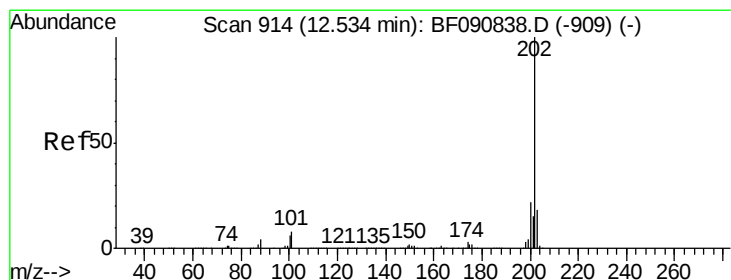
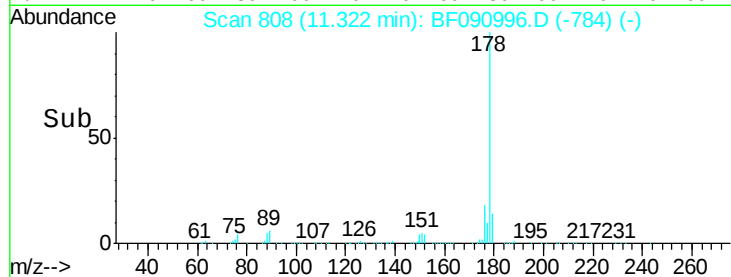
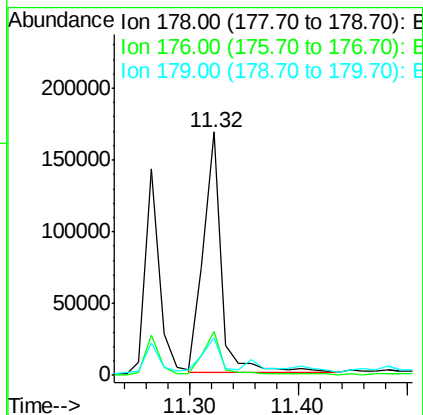
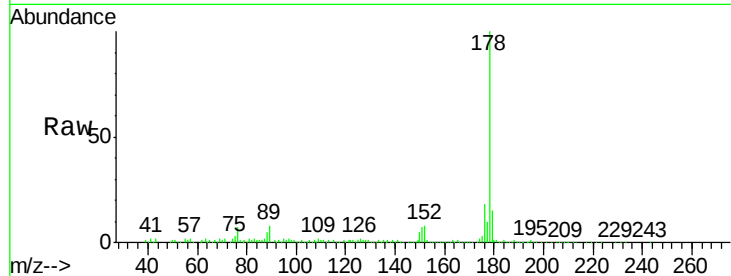
ClientSampleId :

SB-4(0-2)

Tgt Ion:	178	Resp:	195378
Ion Ratio	Lower	Upper	
178	100		
176	18.0	14.1	21.1
179	15.3	12.2	18.2

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#74

Fluoranthene

Concen: 15.65 ng

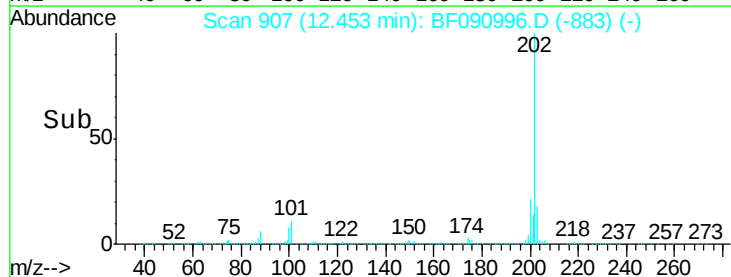
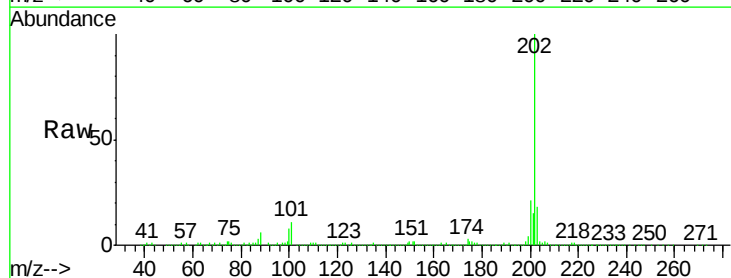
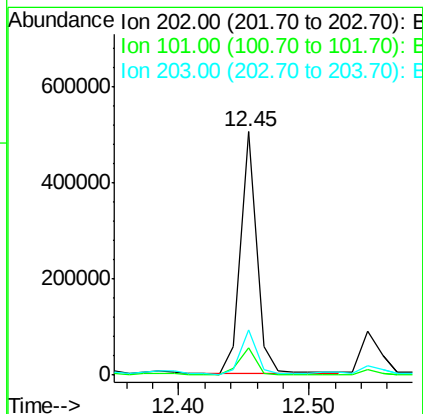
RT: 12.45 min Scan# 907

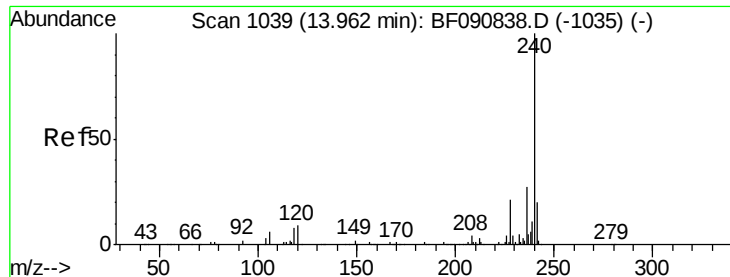
Delta R.T. -0.02 min

Lab File: BF090996.D

Acq: 2 Nov 2016 22:45

Tgt Ion:	202	Resp:	432509
Ion Ratio	Lower	Upper	
202	100		
101	11.4	0.0	38.3
203	18.4	0.0	37.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.88 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BF090996.D

Acq: 2 Nov 2016 22:45

Instrument :

BNA_F

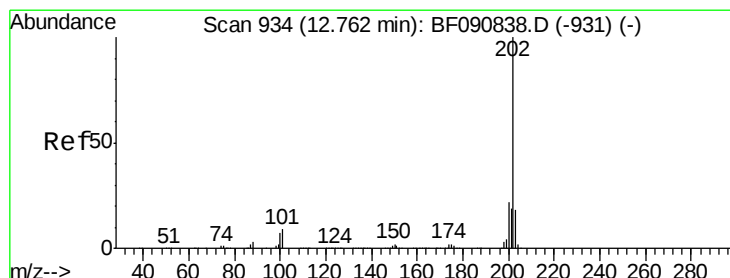
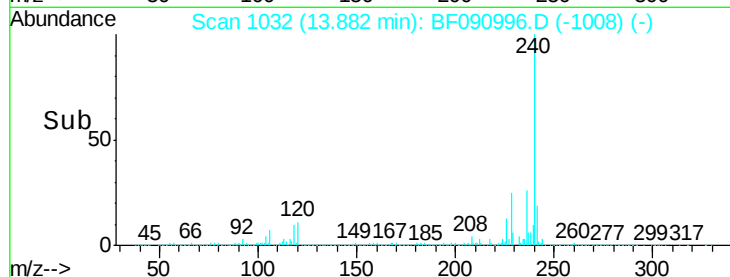
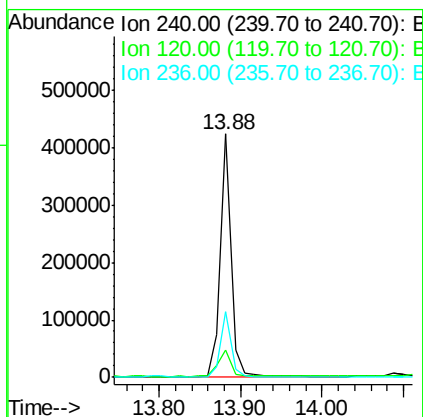
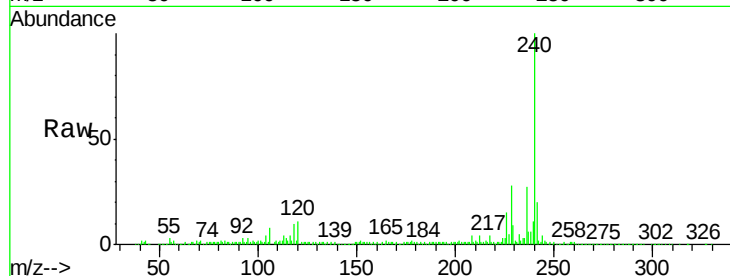
ClientSampled :

SB-4(0-2)

Tgt Ion:	240	Resp:	386708
Ion Ratio	Lower	Upper	
240	100		
120	11.3	16.2	24.2#
236	26.7	18.4	27.6

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#77

Pyrene

Concen: 28.01 ng

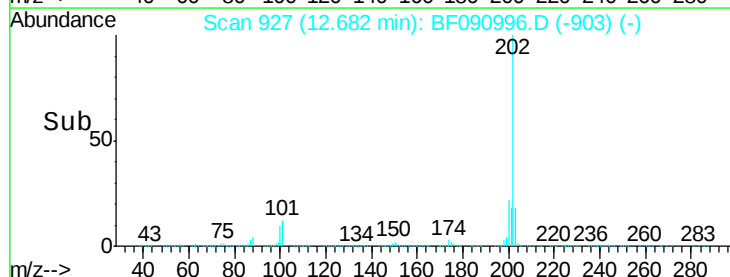
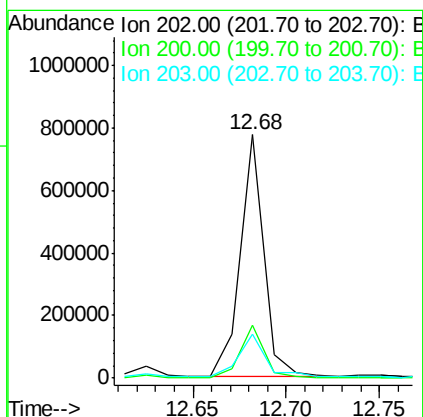
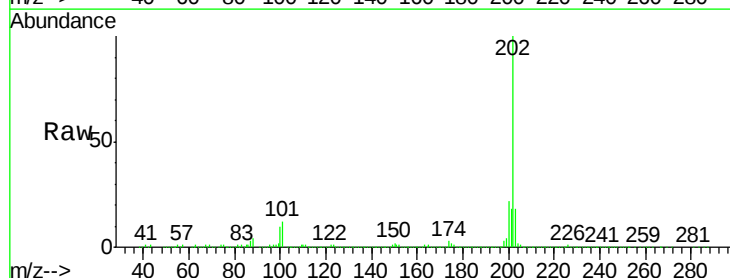
RT: 12.68 min Scan# 927

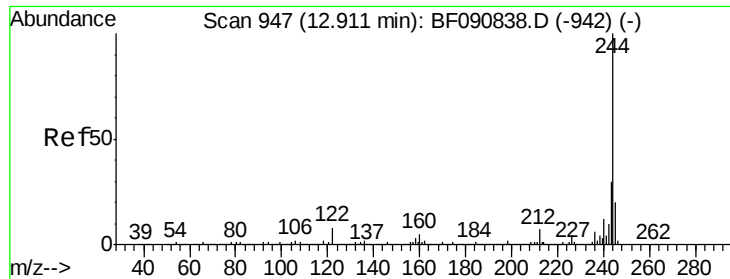
Delta R.T. -0.02 min

Lab File: BF090996.D

Acq: 2 Nov 2016 22:45

Tgt Ion:	202	Resp:	685592
Ion Ratio	Lower	Upper	
202	100		
200	21.7	15.0	22.4
203	18.1	14.1	21.1





#78

Terphenyl-d14

Concen: 71.44 ng

RT: 12.83 min Scan# 940

Delta R.T. -0.02 min

Lab File: BF090996.D

Acq: 2 Nov 2016 22:45

Instrument :

BNA_F

ClientSampleId :

SB-4(0-2)

Tgt Ion:244 Resp: 1096558

Ion Ratio Lower Upper

244 100

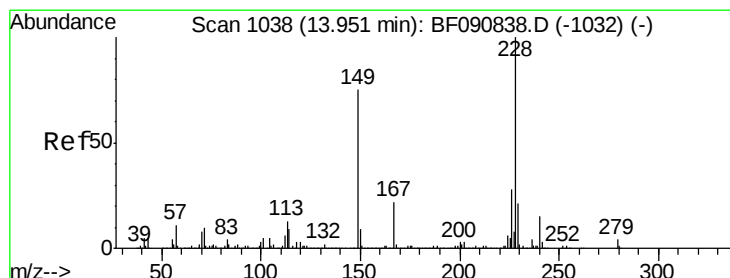
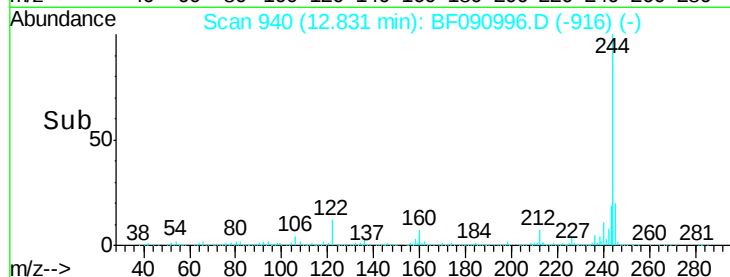
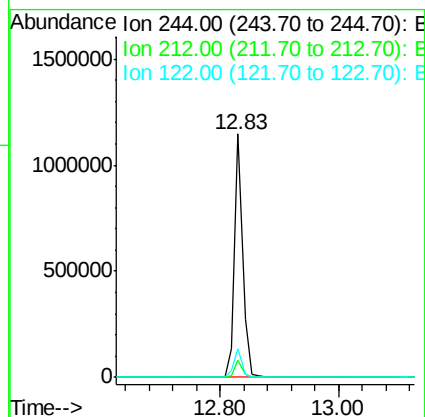
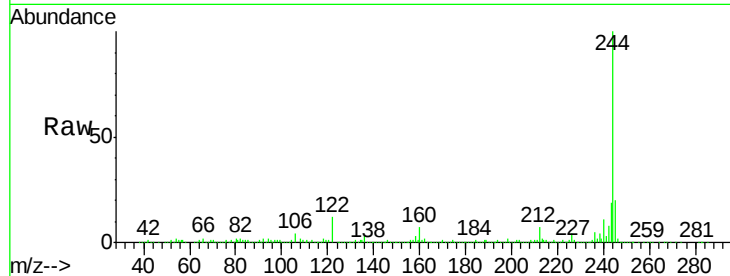
212 6.9 4.3 6.5#

122 11.9 17.4 26.2#

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#80

Benzo(a)anthracene

Concen: 20.14 ng m

RT: 13.87 min Scan# 1031

Delta R.T. -0.02 min

Lab File: BF090996.D

Acq: 2 Nov 2016 22:45

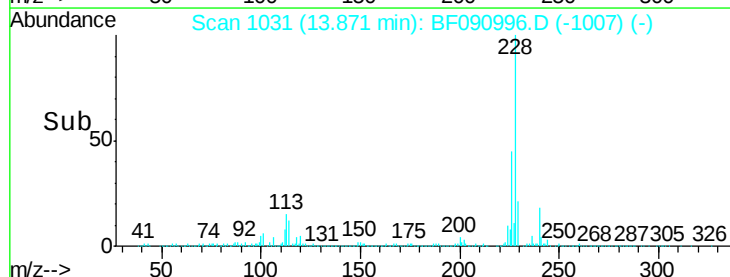
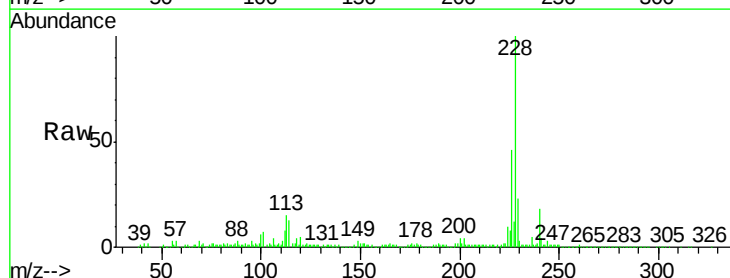
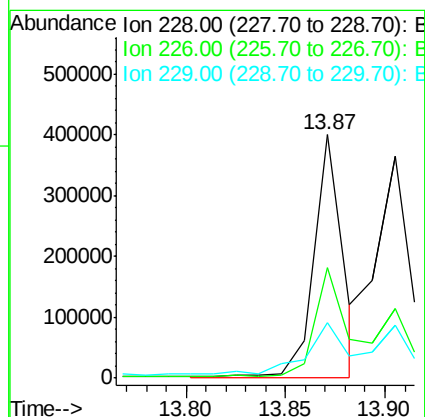
Tgt Ion:228 Resp: 413365

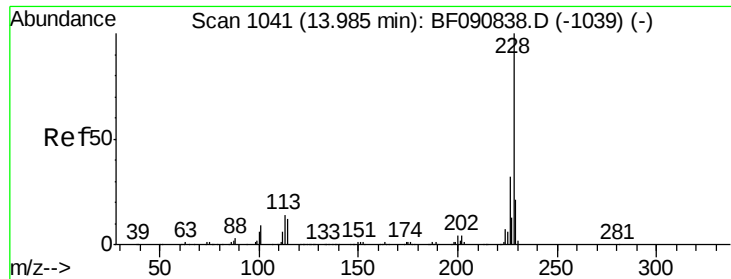
Ion Ratio Lower Upper

228 100

226 45.6 20.0 30.0#

229 22.9 15.4 23.2





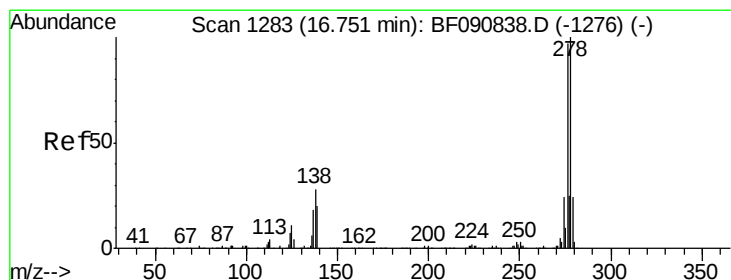
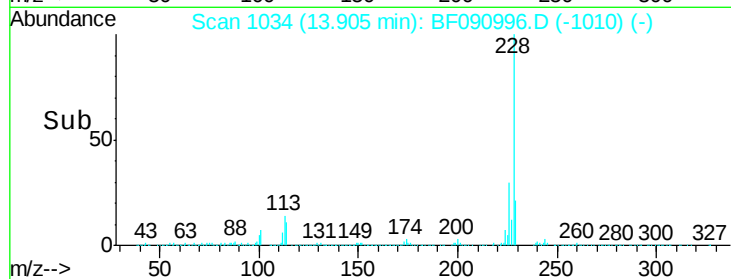
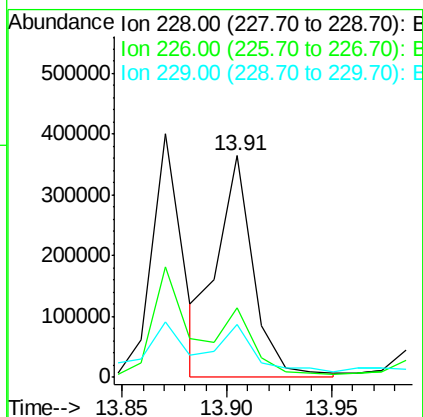
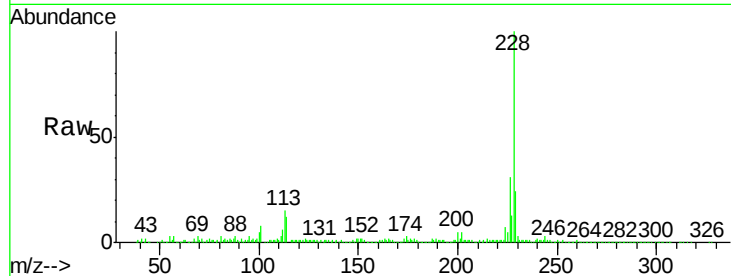
#82
Chrysene
Concen: 21.21 ng m
RT: 13.91 min Scan# 1034
Delta R.T. -0.02 min
Lab File: BF090996.D
Acq: 2 Nov 2016 22:45

Instrument :
BNA_F
ClientSampled :
SB-4(0-2)

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	21.0	31.4
229	23.7	15.6	23.4

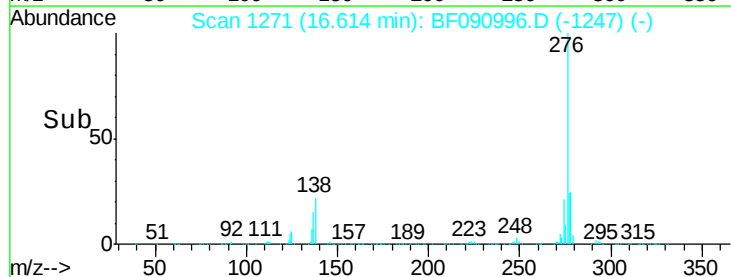
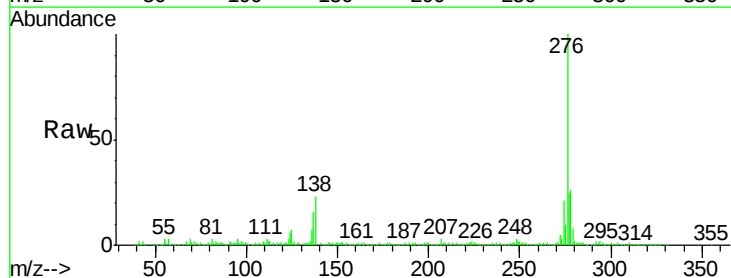
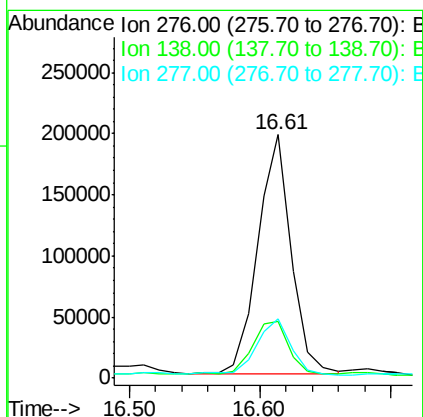
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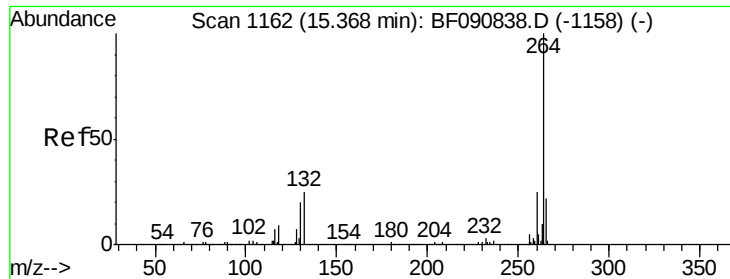
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#85
Indeno(1,2,3-cd)pyrene
Concen: 18.87 ng
RT: 16.61 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF090996.D
Acq: 2 Nov 2016 22:45

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.3	25.7	38.5
277	25.1	15.6	23.4





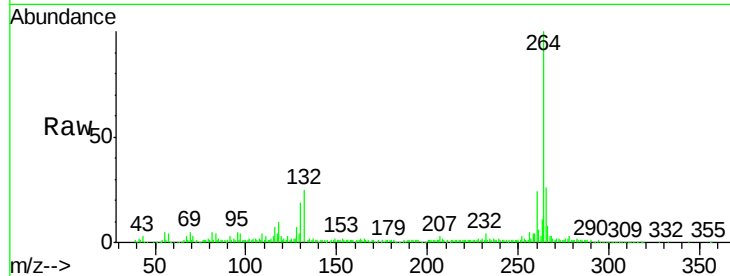
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.28 min Scan# 1154
Delta R.T. -0.02 min
Lab File: BF090996.D
Acq: 2 Nov 2016 22:45

Instrument :
BNA_F
ClientSampleId :
SB-4(0-2)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	16.7	25.1
265	25.6	17.2	25.8

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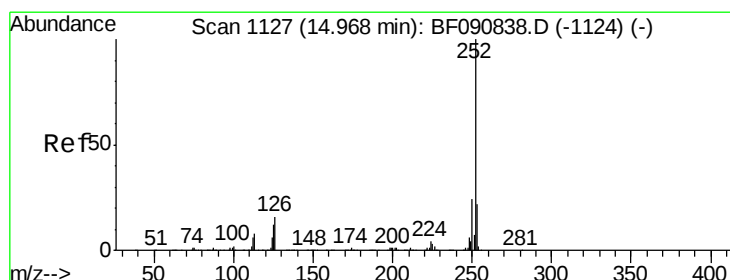
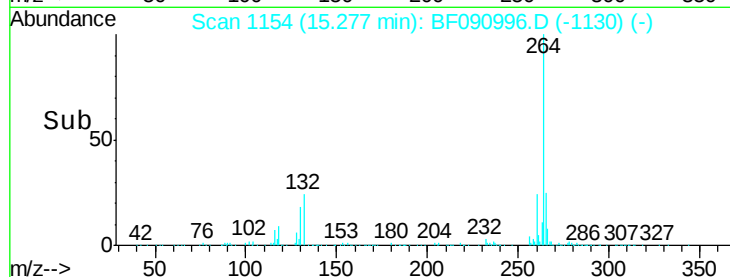
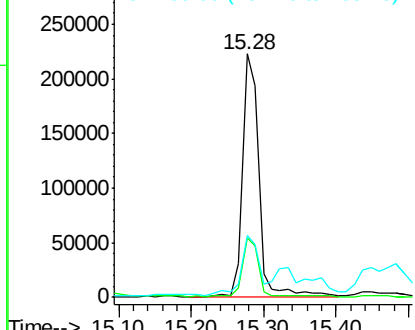


Abundance

Ion 264.00 (263.70 to 264.70): E

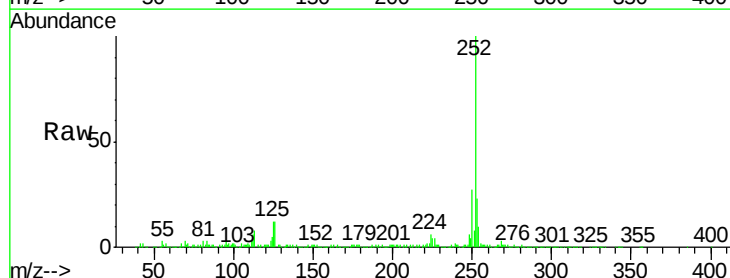
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87
Benzo(b)fluoranthene
Concen: 29.49 ng m
RT: 14.90 min Scan# 1121
Delta R.T. -0.01 min
Lab File: BF090996.D
Acq: 2 Nov 2016 22:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	12.0	17.1	25.7#

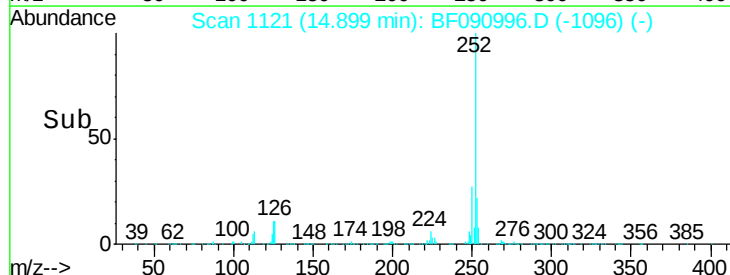
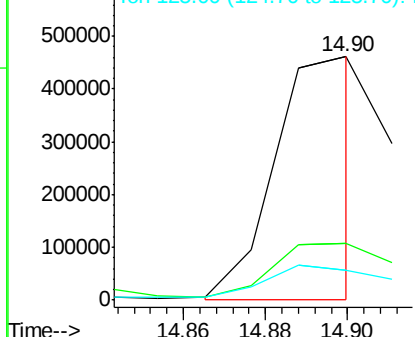


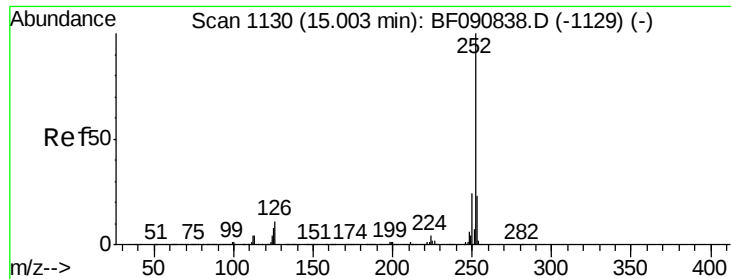
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





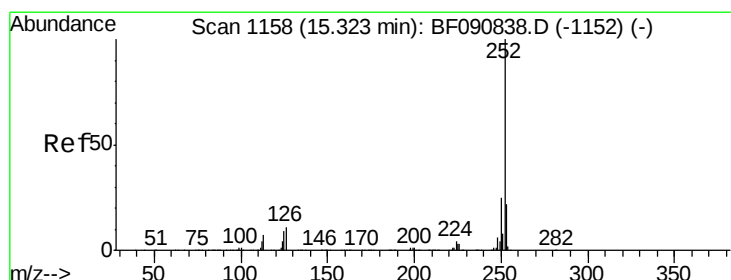
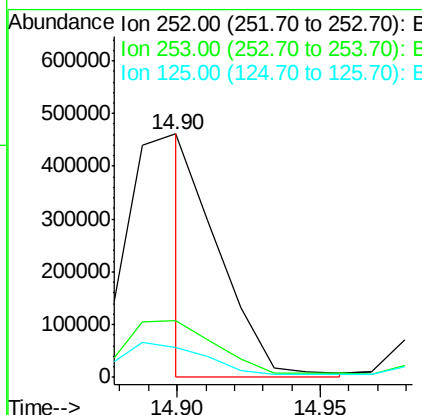
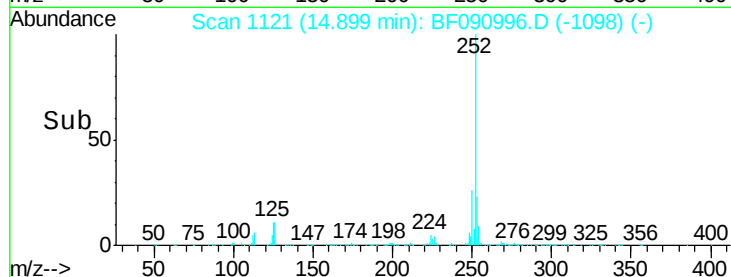
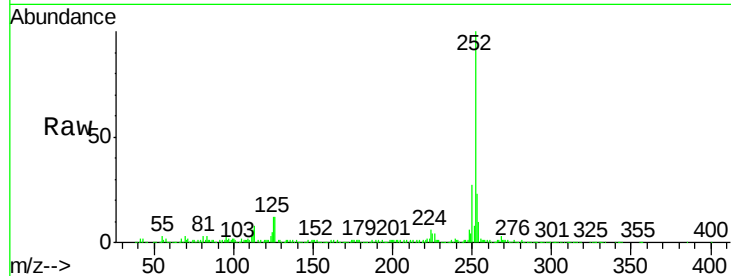
#88
Benzo(k)fluoranthene
Concen: 17.45 ng m
RT: 14.90 min Scan# 1121
Delta R.T. -0.03 min
Lab File: BF090996.D
Acq: 2 Nov 2016 22:45

Instrument :
BNA_F
ClientSampleId :
SB-4(0-2)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.0	25.4
125	12.0	16.0	24.0

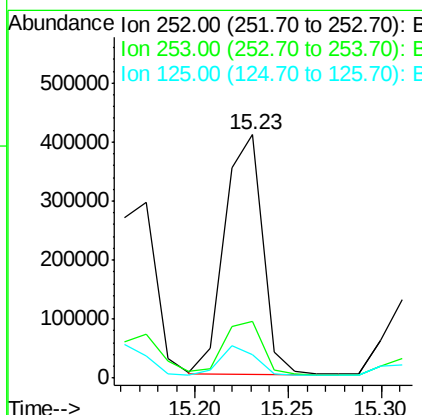
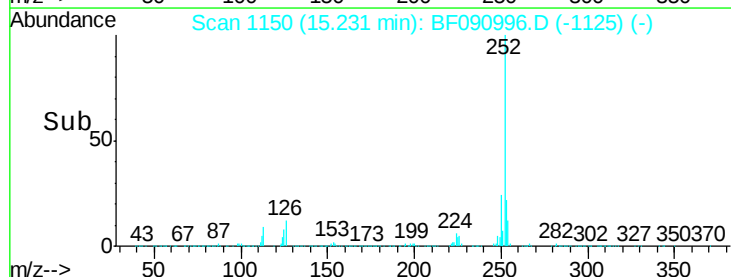
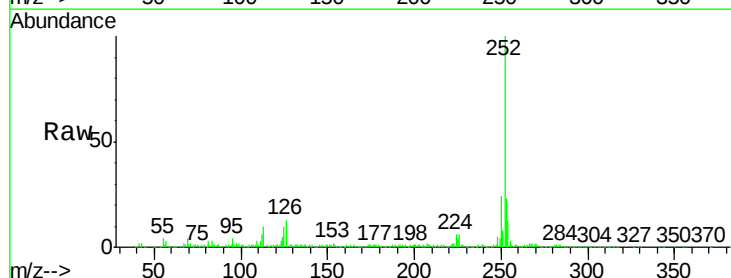
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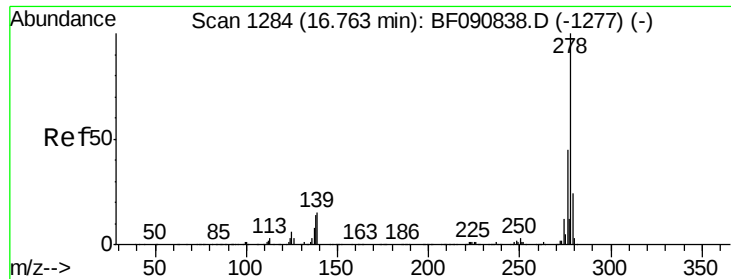
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#89
Benzo(a)pyrene
Concen: 29.15 ng
RT: 15.23 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF090996.D
Acq: 2 Nov 2016 22:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.2	25.8
125	9.8	18.0	27.0





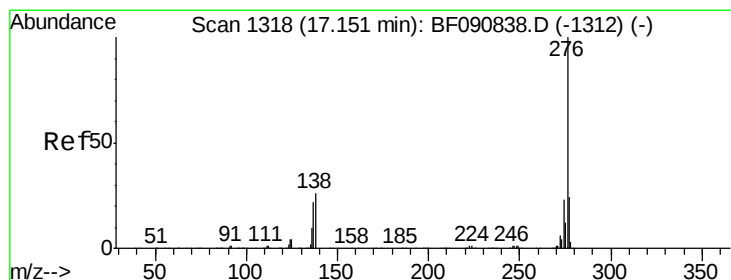
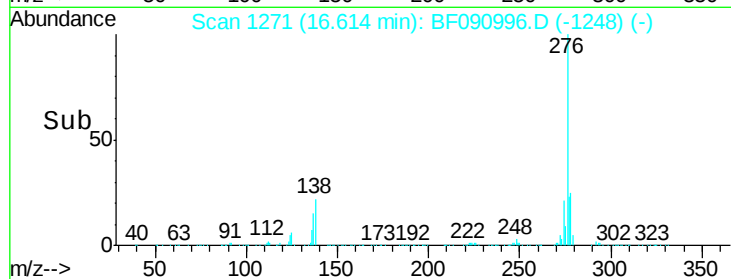
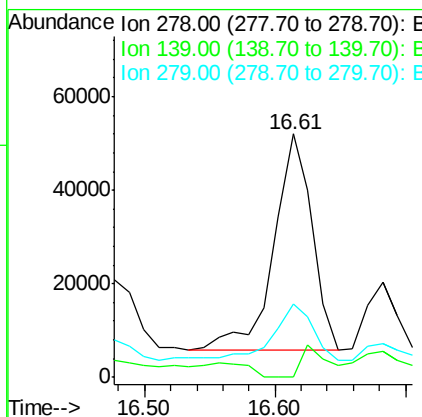
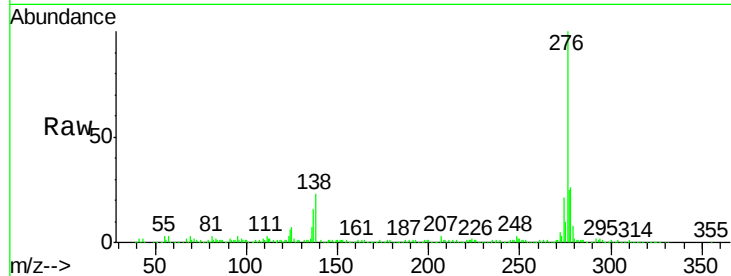
#90
Dibenzo(a,h)anthracene
Concen: 5.62 ng
RT: 16.61 min Scan# 1271
Delta R.T. -0.03 min
Lab File: BF090996.D
Acq: 2 Nov 2016 22:45

Instrument :
BNA_F
ClientSampleId :
SB-4(0-2)

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	26.3	39.5#
279	30.2	18.2	27.4#

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#91
Benzo(g,h,i)perylene
Concen: 21.77 ng
RT: 17.01 min Scan# 1306
Delta R.T. -0.02 min
Lab File: BF090996.D
Acq: 2 Nov 2016 22:45

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	17.8	26.6
138	25.3	34.6	51.8#

