

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
 Data File : BF091297.D
 Acq On : 24 Nov 2016 1:33
 Operator : UM/SJ
 Sample : H5740-13
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-06(0-0.16)

Manual Integrations
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Quant Time: Nov 24 05:45:02 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 23 13:22:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	202942	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	837692	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	381502	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	557129	20.00	ng	0.00
75) Chrysene-d12	14.04	240	459796	20.00	ng	0.00
86) Perylene-d12	15.49	264	412016	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	1484383	117.52	ng	0.02
7) Phenol-d6	6.51	99	1564158	96.38	ng	0.01
23) Nitrobenzene-d5	7.45	82	1156311	79.47	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	351304	91.31	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1500940	64.42	ng	0.00
78) Terphenyl-d14	12.99	244	979331	48.64	ng	0.00

Target Compounds

						Qvalue
10) Phenol	6.52	94	144159	7.96	ng	92
48) Acenaphthylene	9.78	152	281877	8.73	ng	98
49) Dimethylphthalate	9.64	163	135161	5.67	ng	99
68) Atrazine	11.10	200	7514	2.18	ng	92
70) Phenanthrene	11.43	178	432761	14.97	ng	99
71) Anthracene	11.48	178	363208	12.29	ng	96
72) Carbazole	11.63	167	60003	2.28	ng	97
74) Fluoranthene	12.61	202	1535614	52.23	ng	96
77) Pyrene	12.84	202	1565470	46.08	ng	98
80) Benzo(a)anthracene	14.03	228	1440337	55.19	ng	# 92
82) Chrysene	14.07	228	942627m	38.22	ng	
85) Indeno(1,2,3-cd)pyrene	16.91	276	625891	29.47	ng	# 92
87) Benzo(b)fluoranthene	15.08	252	1905696m	73.32	ng	
88) Benzo(k)fluoranthene	15.09	252	452371m	21.31	ng	
89) Benzo(a)pyrene	15.44	252	1085342m	49.08	ng	
90) Dibenzo(a,h)anthracene	16.92	278	170480m	8.35	ng	
91) Benzo(g,h,i)perylene	17.33	276	530359	26.19	ng	98

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

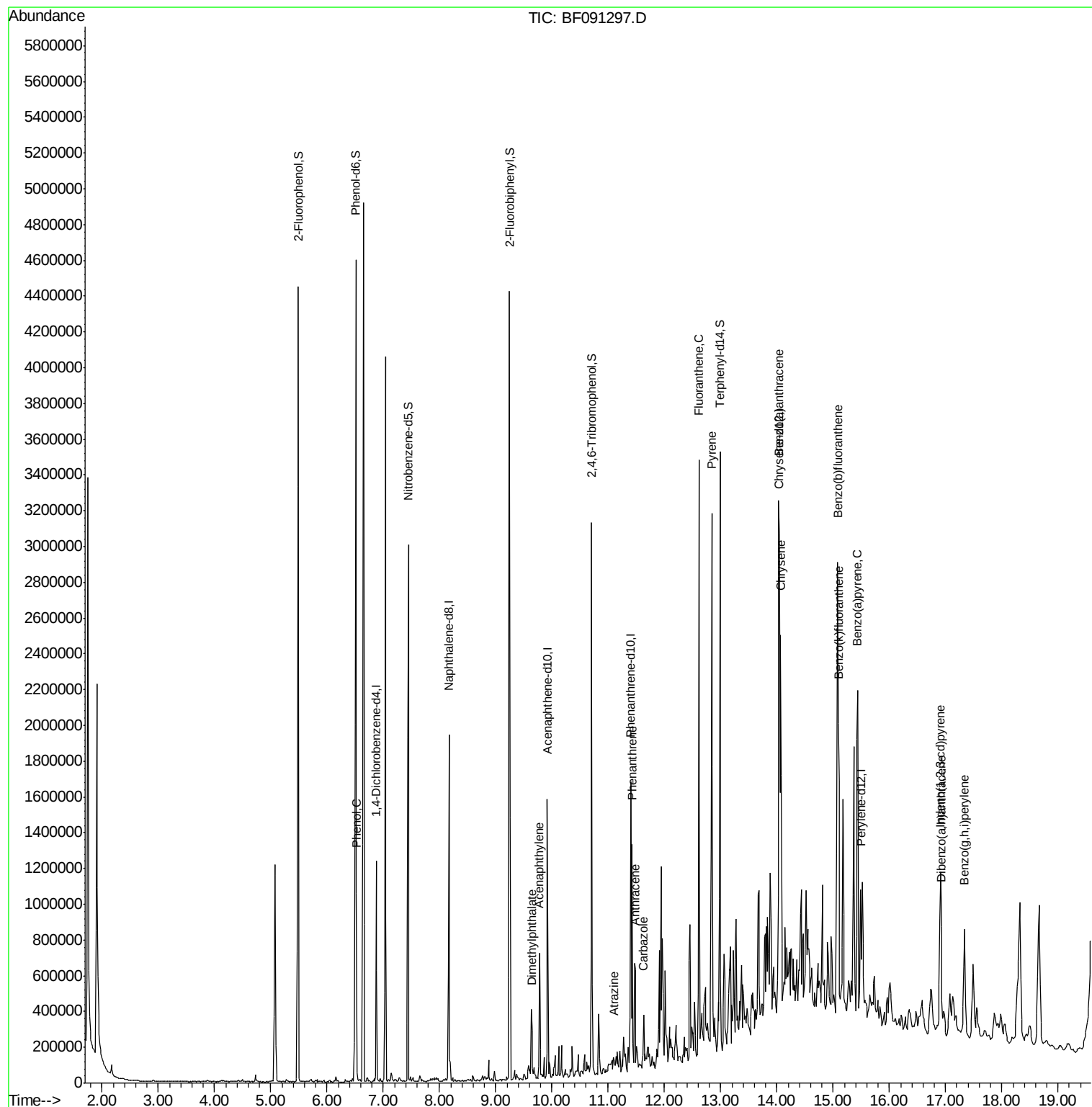
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
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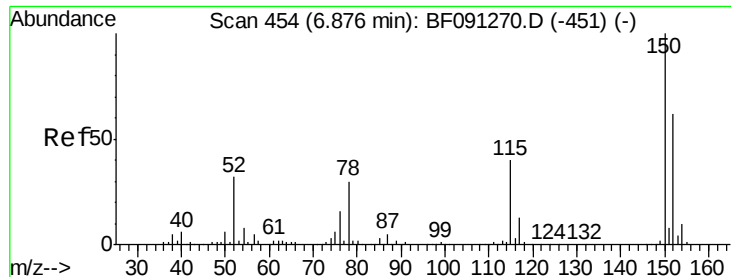
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.88 min Scan# 454

Delta R.T. 0.00 min

Lab File: BF091297.D

Acq: 24 Nov 2016 1:33

Instrument :

BNA_F

ClientSampleId :

SB-06(0-0.16)

Tgt Ion:152 Resp: 202942
Ion Ratio Lower Upper

152 100

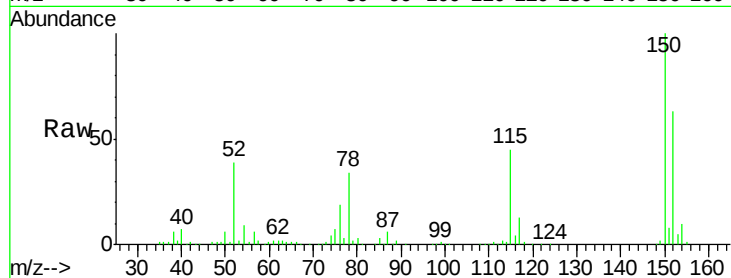
150 158.0 122.5 183.7

115 71.7 51.8 77.8

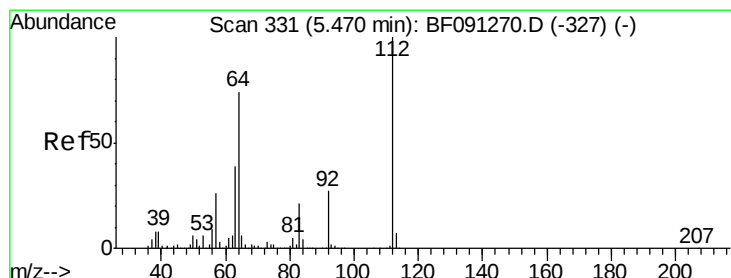
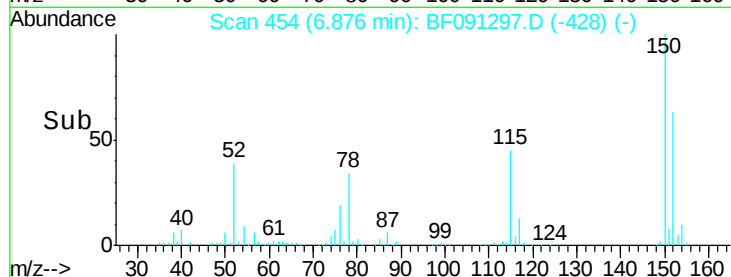
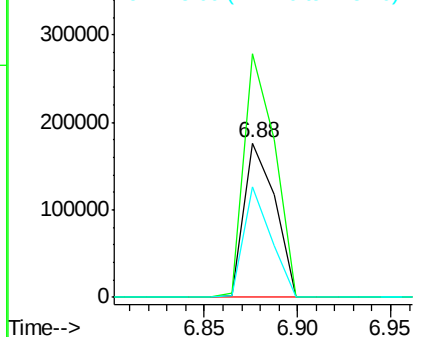
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 117.52 ng

RT: 5.49 min Scan# 333

Delta R.T. 0.02 min

Lab File: BF091297.D

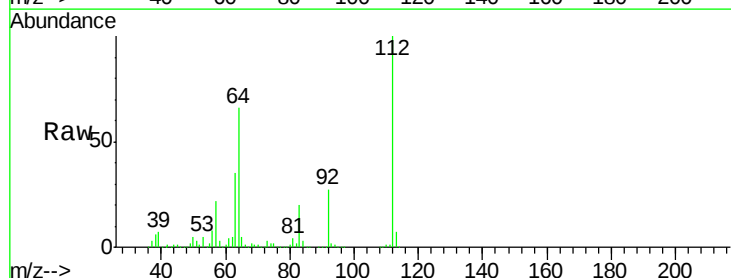
Acq: 24 Nov 2016 1:33

Tgt Ion:112 Resp: 1484383
Ion Ratio Lower Upper

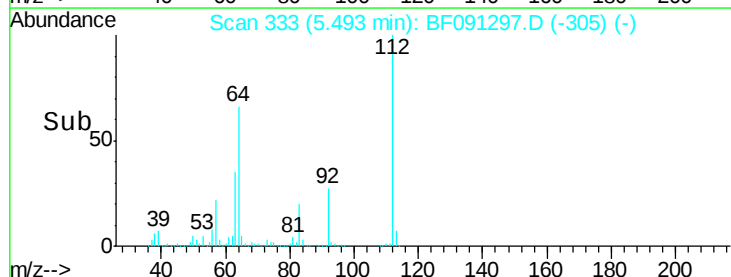
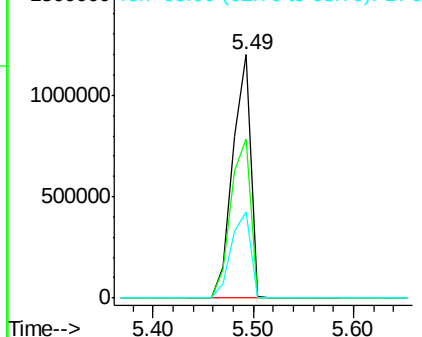
112 100

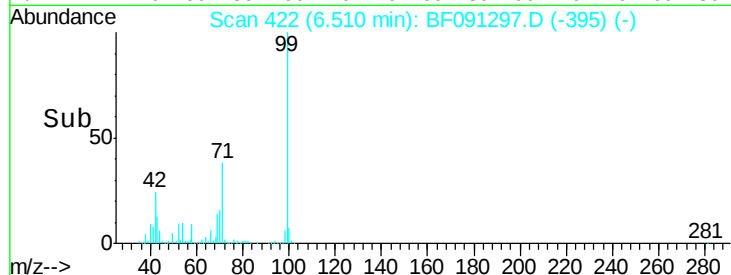
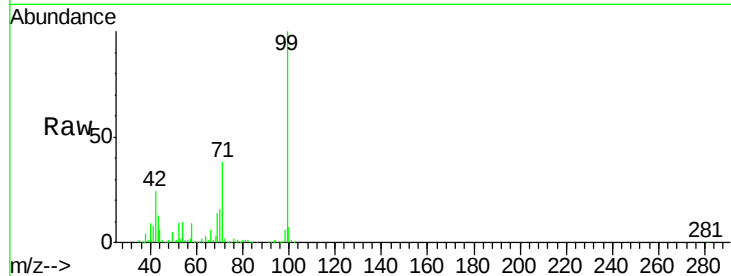
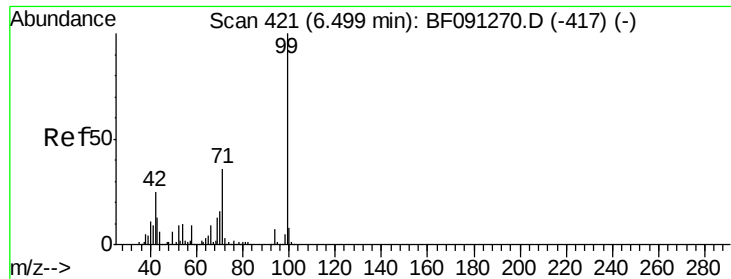
64 65.5 61.5 92.3

63 35.4 33.3 49.9



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: 96.38 ng

RT: 6.51 min Scan# 422

Delta R.T. 0.01 min

Lab File: BF091297.D

Acq: 24 Nov 2016 1:33

Tgt Ion: 99 Resp: 1564158

Ion Ratio Lower Upper

99 100

42 24.3 20.6 31.0

71 37.7 29.9 44.9

Instrument :

BNA_F

ClientSampleId :

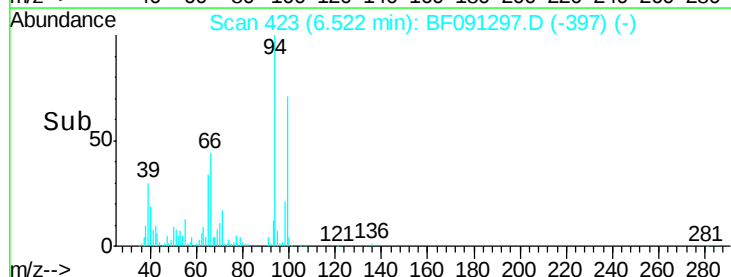
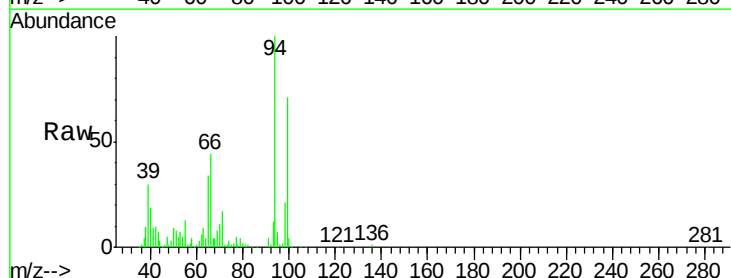
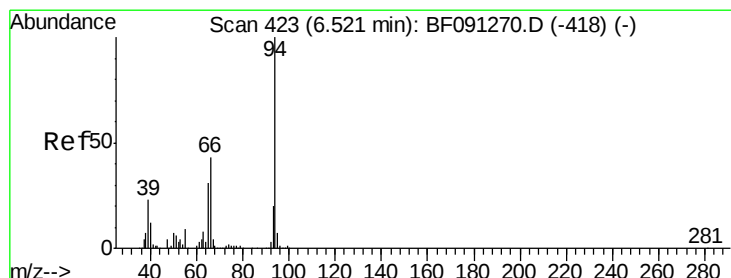
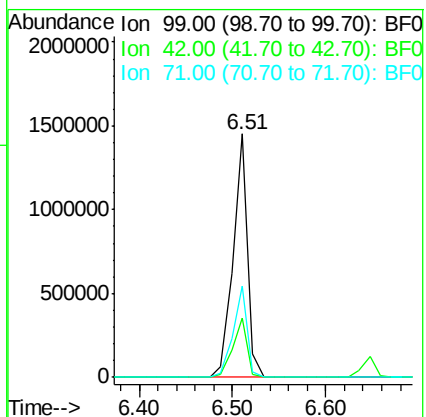
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#10

Phenol

Concen: 7.96 ng

RT: 6.52 min Scan# 423

Delta R.T. 0.00 min

Lab File: BF091297.D

Acq: 24 Nov 2016 1:33

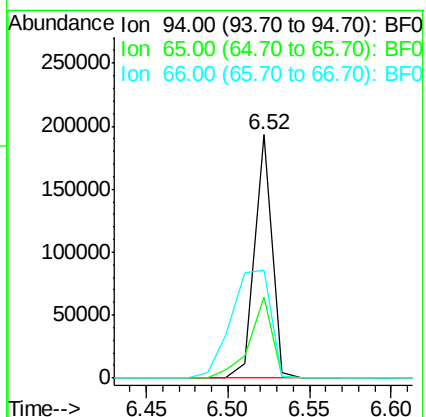
Tgt Ion: 94 Resp: 144159

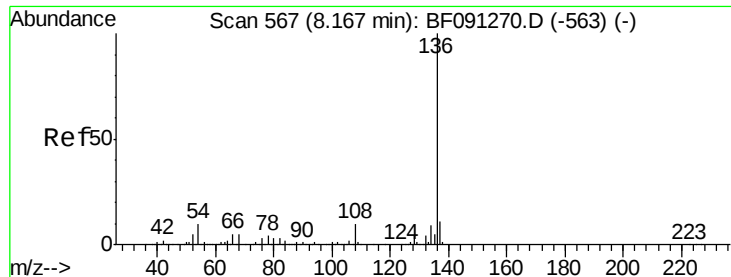
Ion Ratio Lower Upper

94 100

65 33.5 16.9 56.9

66 44.4 30.6 70.6





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.17 min Scan# 567

Delta R.T. 0.00 min

Lab File: BF091297.D

Acq: 24 Nov 2016 1:33

Instrument :

BNA_F

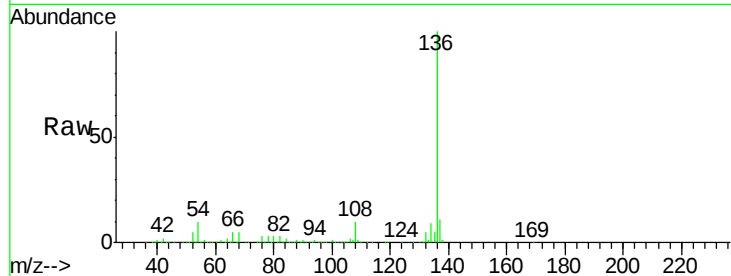
ClientSampleId :

SB-06(0-0.16)

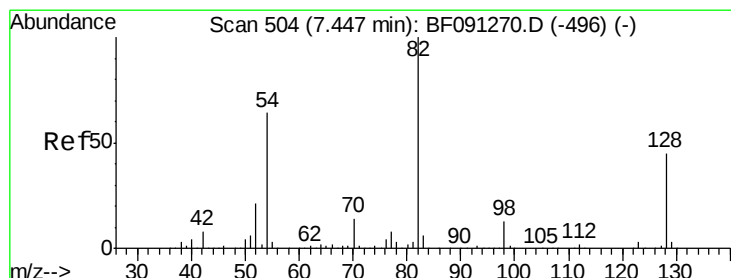
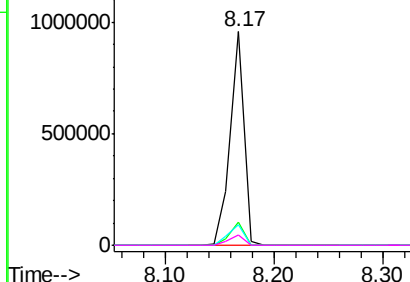
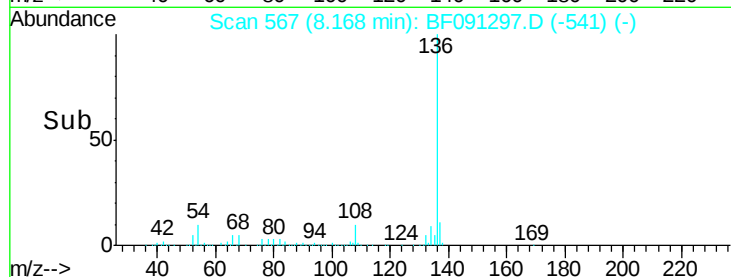
Tgt Ion	Ratio	Resp	Lower	Upper
136	100	837692		
137	11.0	9.1	13.7	
54	9.8	9.1	13.7	
68	4.9	5.9	8.9#	

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Abundance Ion 136.00 (135.70 to 136.70): E
1500000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 79.47 ng

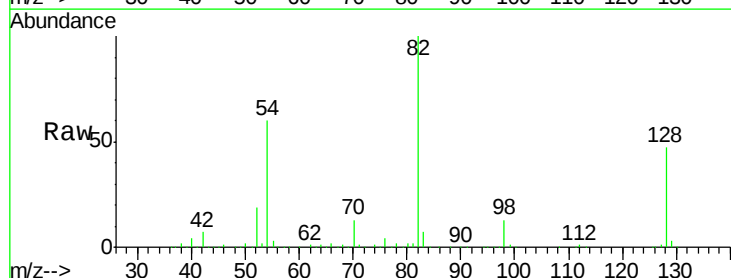
RT: 7.45 min Scan# 504

Delta R.T. 0.00 min

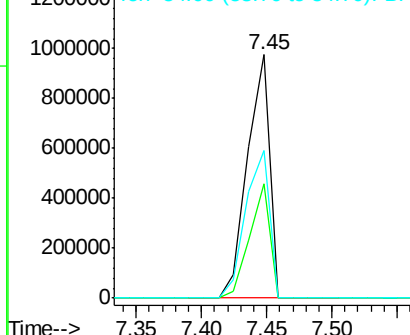
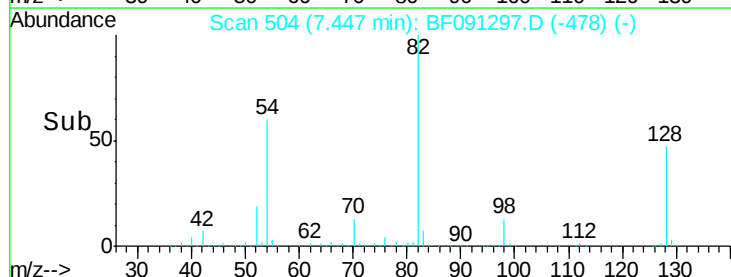
Lab File: BF091297.D

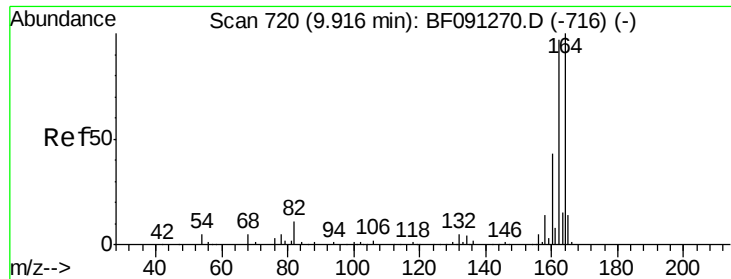
Acq: 24 Nov 2016 1:33

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	1156311		
128	47.2	31.8	47.6	
54	60.4	49.1	73.7	



Abundance Ion 82.00 (81.70 to 82.70): BF0
1200000
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: 9.92 min Scan# 720

Delta R.T. 0.00 min

Lab File: BF091297.D

Acq: 24 Nov 2016 1:33

Instrument :

BNA_F

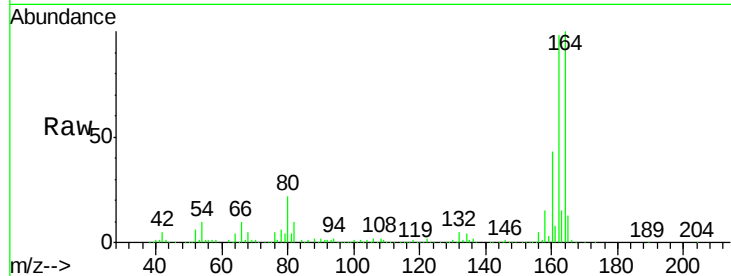
ClientSampleId :

SB-06(0-0.16)

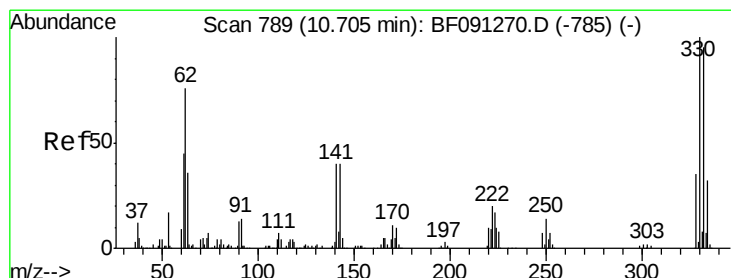
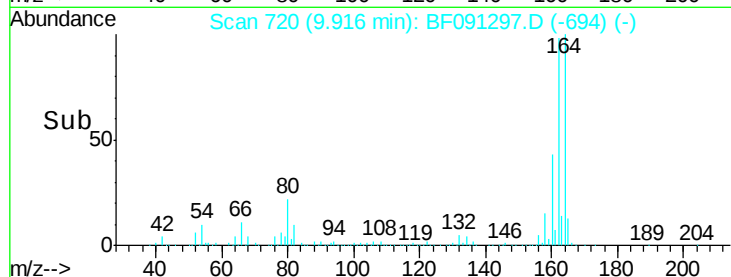
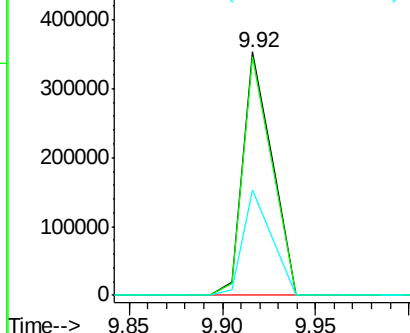
Tgt Ion:	164	Resp:	381502
Ion Ratio	Lower	Upper	
164	100		
162	97.7	82.6	124.0
160	43.4	36.7	55.1

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



#41

2,4,6-Tribromophenol

Concen: 91.31 ng

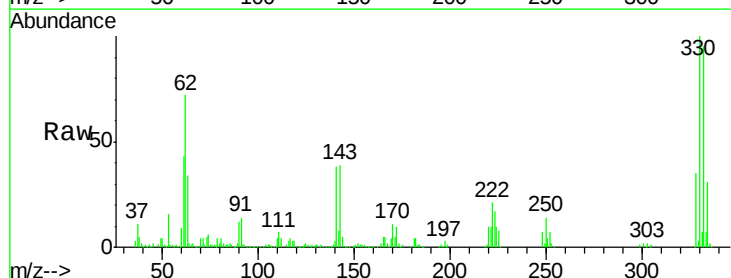
RT: 10.70 min Scan# 789

Delta R.T. 0.00 min

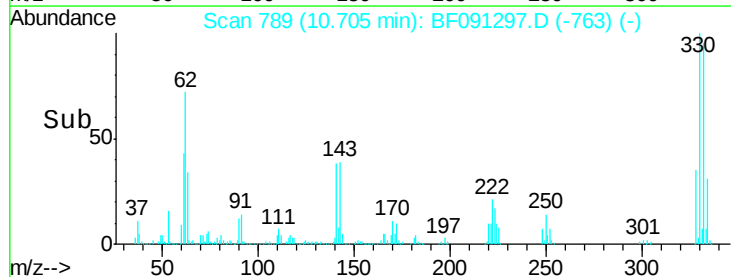
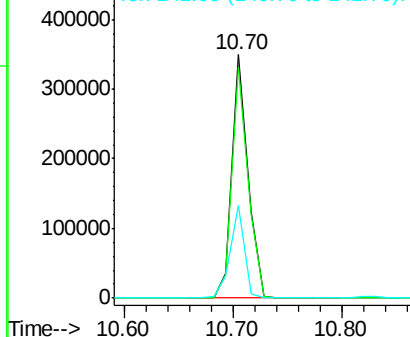
Lab File: BF091297.D

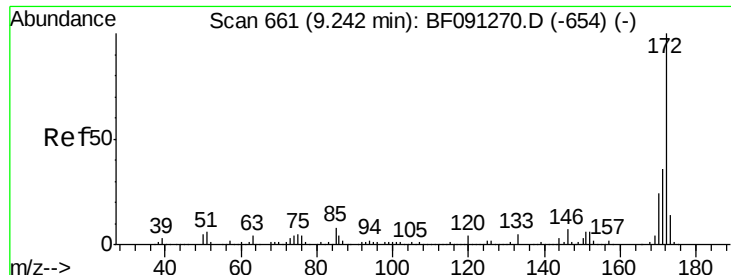
Acq: 24 Nov 2016 1:33

Tgt Ion:	330	Resp:	351304
Ion Ratio	Lower	Upper	
330	100		
332	95.3	76.2	114.4
141	34.3	33.6	50.4



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





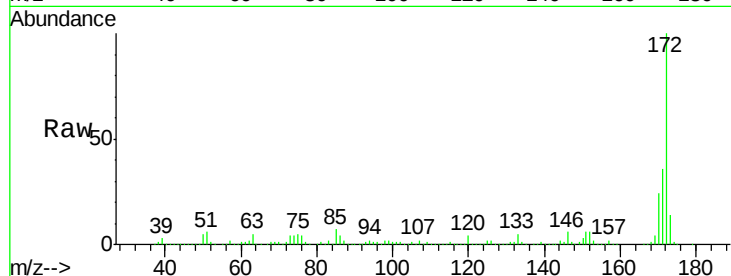
#44
 2-Fluorobiphenyl
 Concen: 64.42 ng
 RT: 9.24 min Scan# 661
 Delta R.T. 0.00 min
 Lab File: BF091297.D
 Acq: 24 Nov 2016 1:33

Instrument :
 BNA_F
 ClientSampleId :
 SB-06(0-0.16)

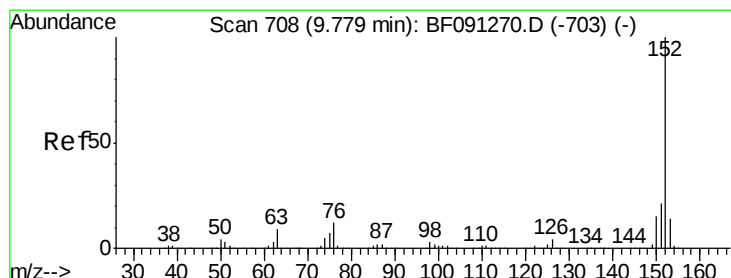
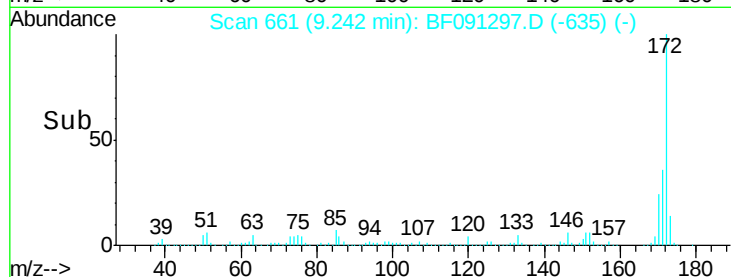
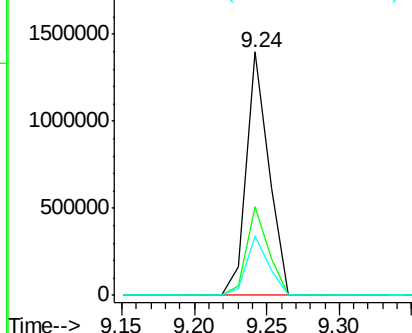
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.4	44.0
170	24.1	19.7	29.5

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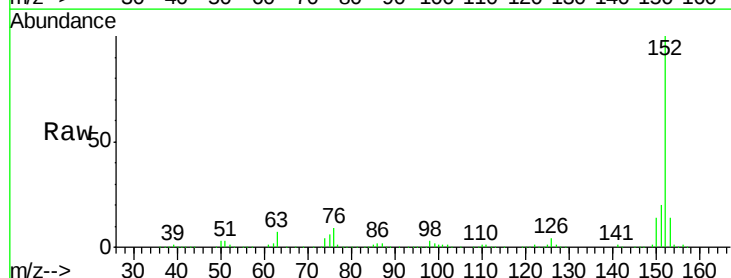


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

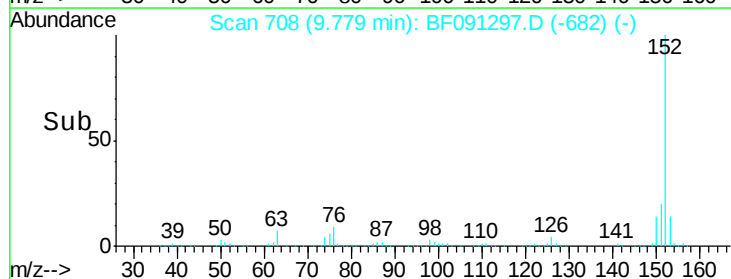
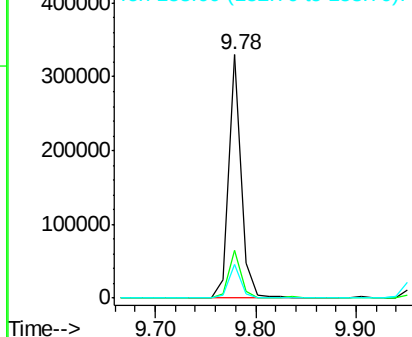


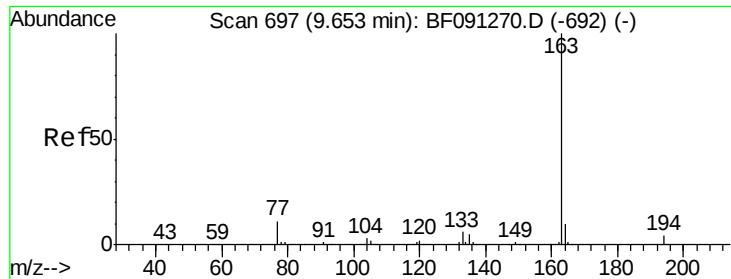
#48
 Acenaphthylene
 Concen: 8.73 ng
 RT: 9.78 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: BF091297.D
 Acq: 24 Nov 2016 1:33

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.6	24.8
153	13.9	10.7	16.1



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





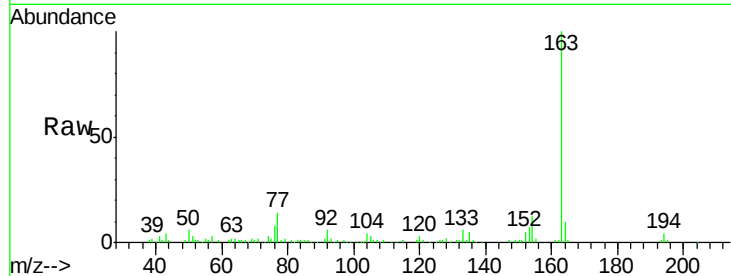
#49
Dimethylphthalate
Concen: 5.67 ng
RT: 9.64 min Scan# 696
Delta R.T. -0.01 min
Lab File: BF091297.D
Acq: 24 Nov 2016 1:33

Instrument :
BNA_F
ClientSampleId :
SB-06(0-0.16)

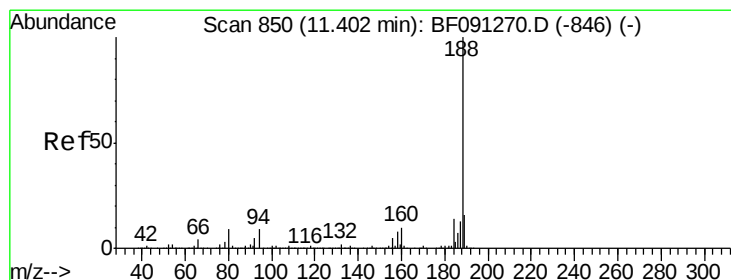
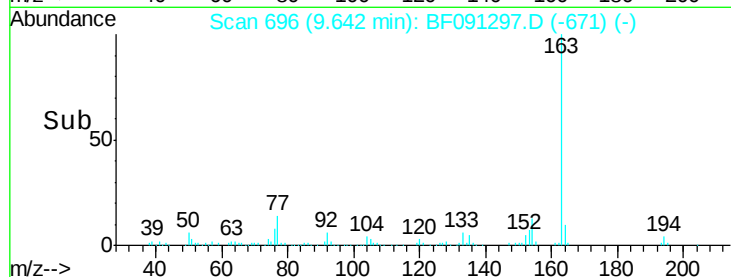
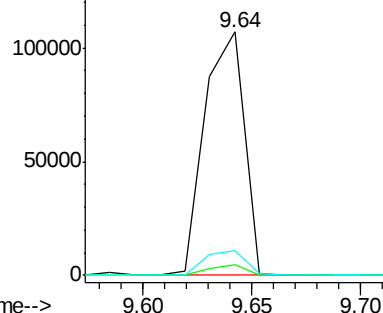
Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	4.2	3.0	4.4
164	10.2	7.8	11.8

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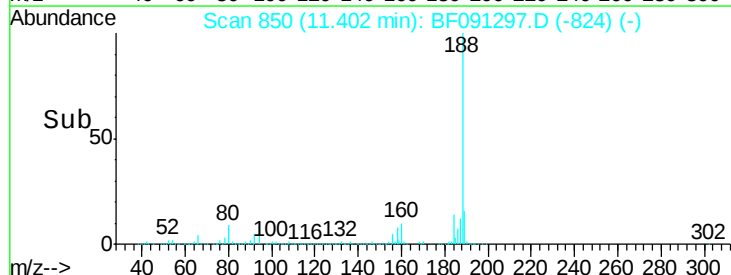
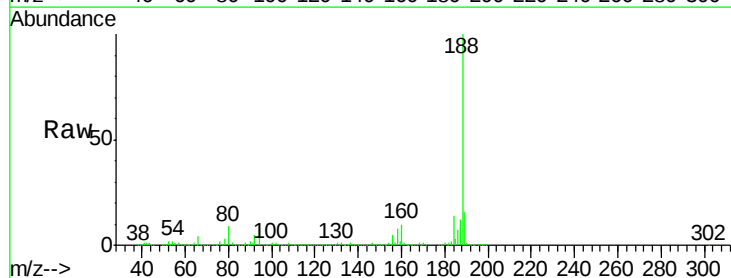
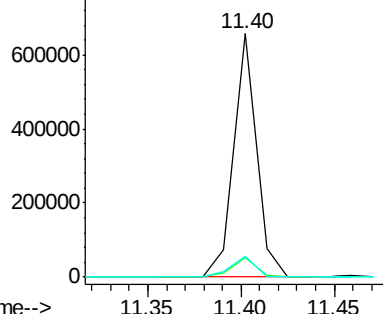
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

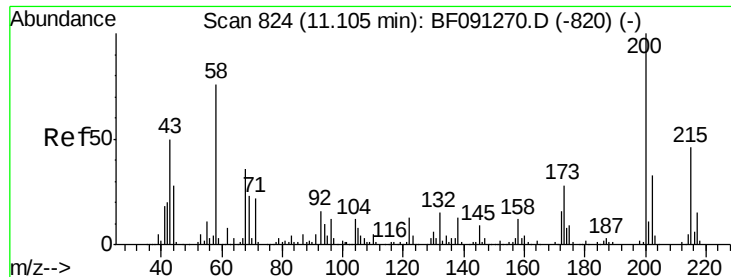


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 850
Delta R.T. 0.00 min
Lab File: BF091297.D
Acq: 24 Nov 2016 1:33

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.2	9.2	13.8#
80	8.7	10.5	15.7#

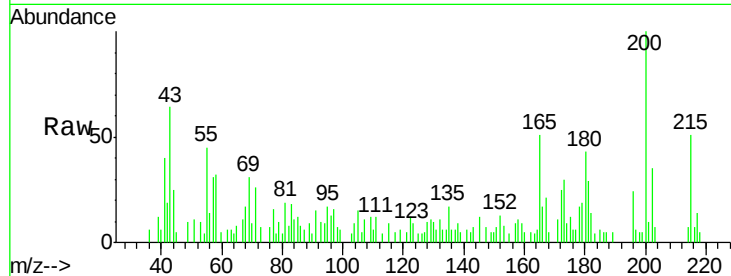
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





#68
Atrazine
Concen: 2.18 ng
RT: 11.10 min Scan# 824
Delta R.T. 0.00 min
Lab File: BF091297.D
Acq: 24 Nov 2016 1:33

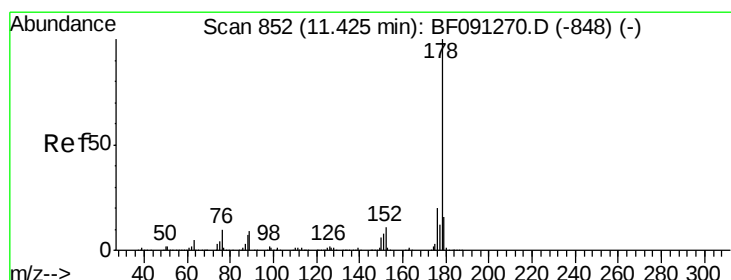
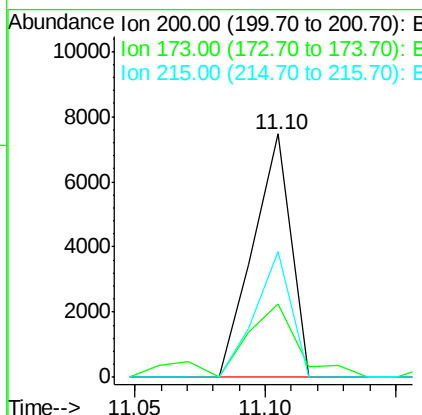
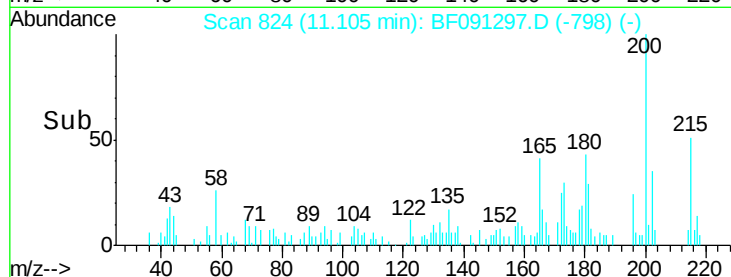
Instrument :
BNA_F
ClientSampleId :
SB-06(0-0.16)



Tgt Ion	Ratio	Resp	Lower	Upper
200	100	7514		
173	29.9	7.8	47.8	
215	51.4	24.3	64.3	

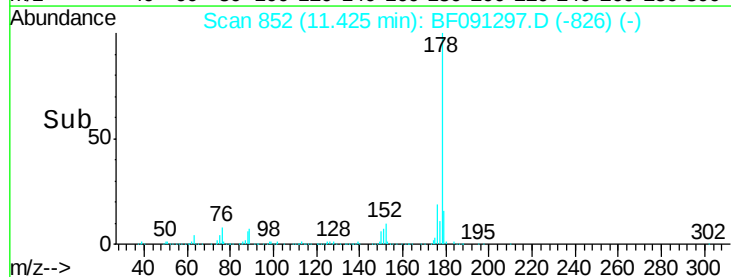
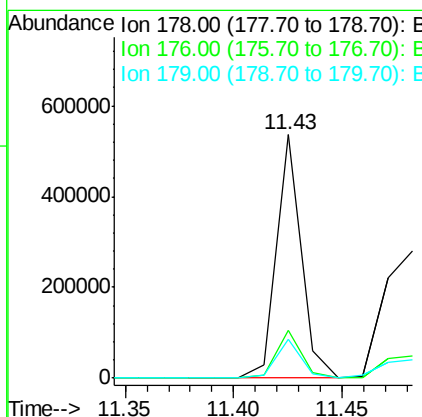
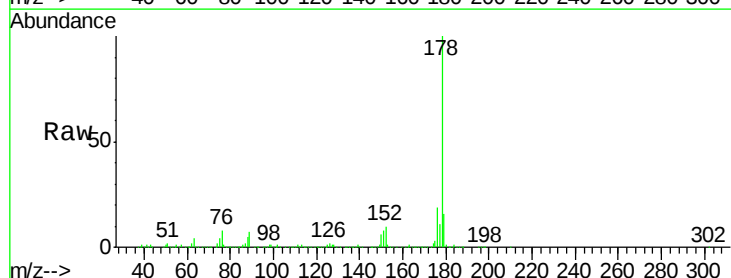
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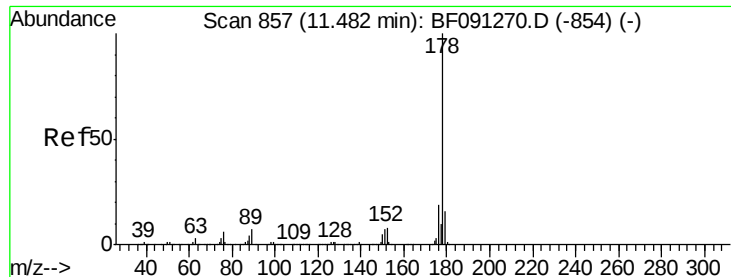
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#70
Phenanthrene
Concen: 14.97 ng
RT: 11.43 min Scan# 852
Delta R.T. 0.00 min
Lab File: BF091297.D
Acq: 24 Nov 2016 1:33

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	432761		
176	19.5	15.9	23.9	
179	15.8	12.6	18.8	





#71

Anthracene

Concen: 12.29 ng

RT: 11.48 min Scan# 857

Delta R.T. 0.00 min

Lab File: BF091297.D

Acq: 24 Nov 2016 1:33

Instrument :

BNA_F

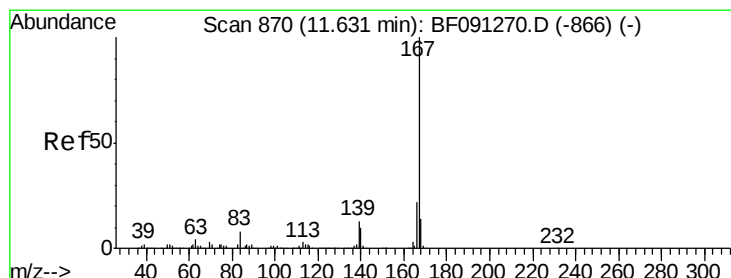
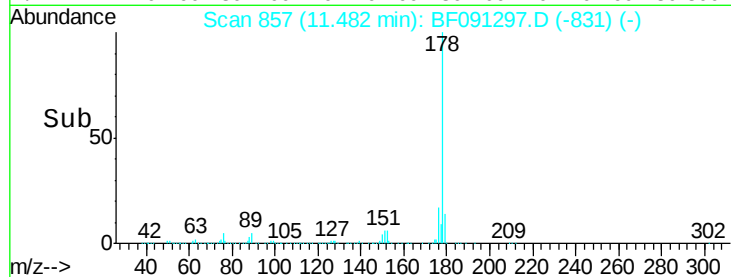
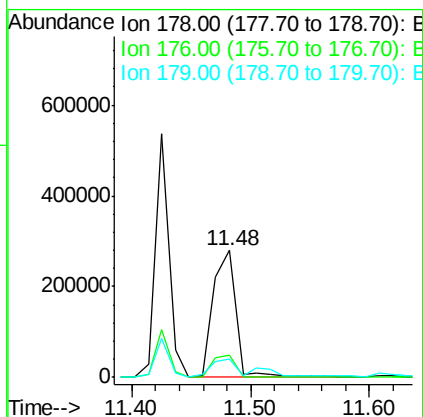
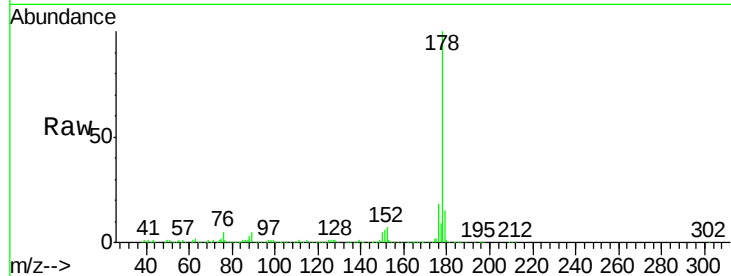
ClientSampleId :

SB-06(0-0.16)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.8	23.6
179	14.6	12.7	19.1

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#72

Carbazole

Concen: 2.28 ng

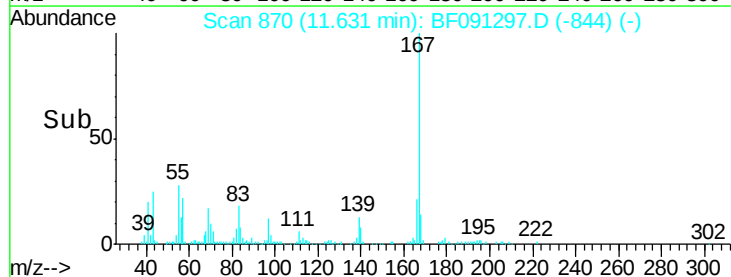
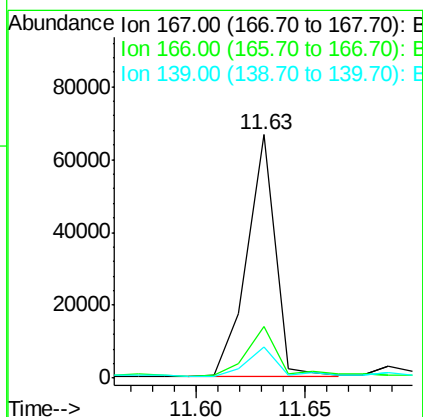
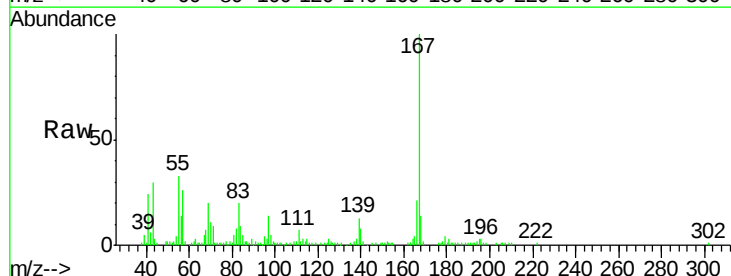
RT: 11.63 min Scan# 870

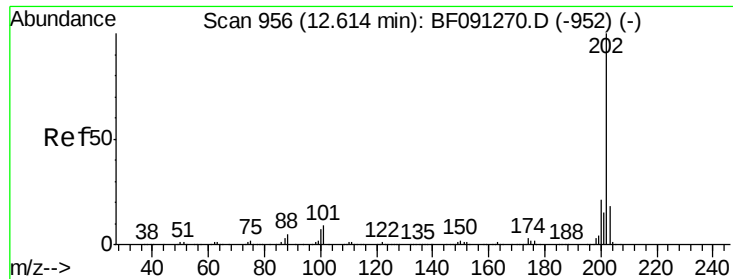
Delta R.T. 0.00 min

Lab File: BF091297.D

Acq: 24 Nov 2016 1:33

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.4	18.1	27.1
139	13.0	11.5	17.3





#74

Fluoranthene

Concen: 52.23 ng

RT: 12.61 min Scan# 956

Delta R.T. 0.00 min

Lab File: BF091297.D

Acq: 24 Nov 2016 1:33

Instrument :

BNA_F

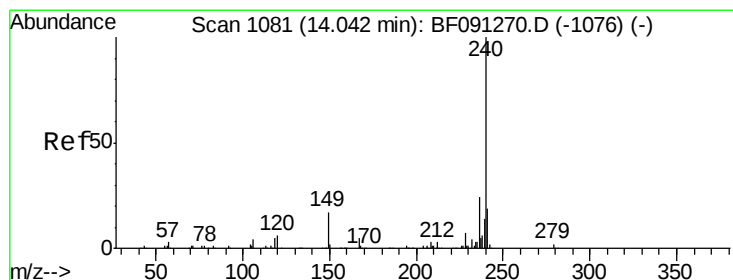
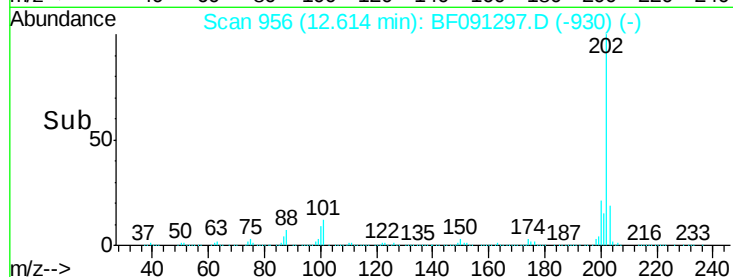
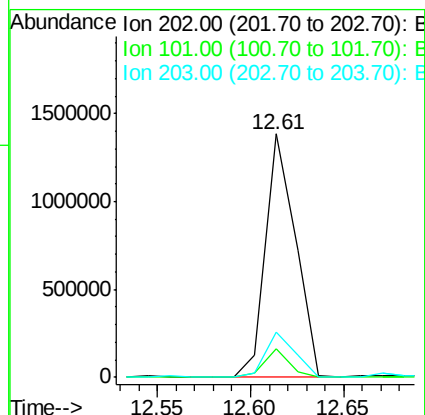
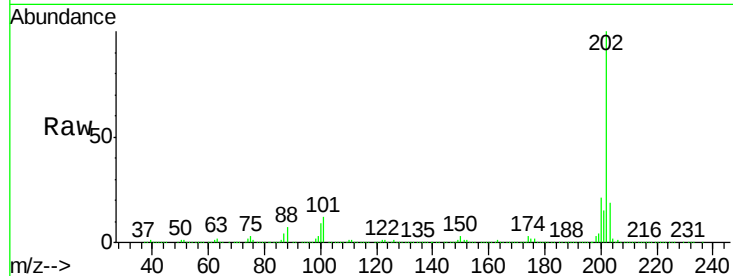
ClientSampleId :

SB-06(0-0.16)

Tgt Ion:	202	Resp:	1535614
Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	29.5
203	18.7	0.0	37.8

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#75

Chrysene-d12

Concen: 20.00 ng

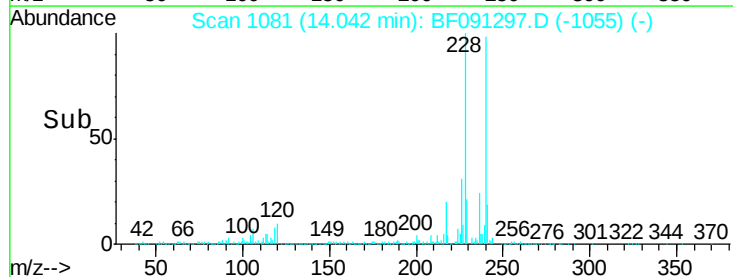
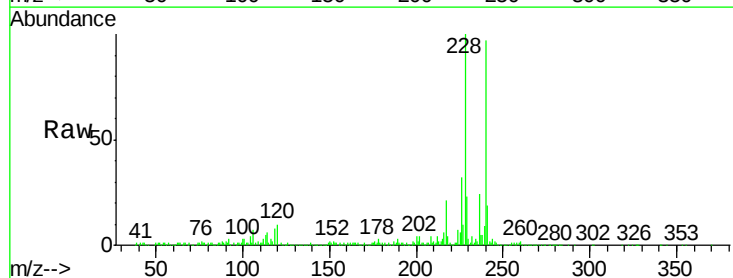
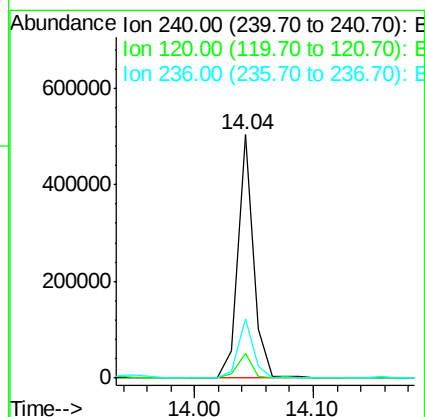
RT: 14.04 min Scan# 1081

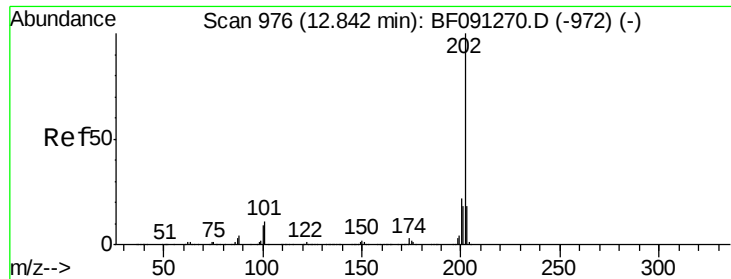
Delta R.T. 0.00 min

Lab File: BF091297.D

Acq: 24 Nov 2016 1:33

Tgt Ion:	240	Resp:	459796
Ion	Ratio	Lower	Upper
240	100		
120	10.2	12.1	18.1#
236	24.5	21.0	31.6





#77

Pyrene

Concen: 46.08 ng

RT: 12.84 min Scan# 976

Delta R.T. 0.00 min

Lab File: BF091297.D

Acq: 24 Nov 2016 1:33

Instrument :

BNA_F

ClientSampleId :

SB-06(0-0.16)

Tgt Ion:202 Resp: 1565470

Ion Ratio Lower Upper

202 100

200 21.7 17.6 26.4

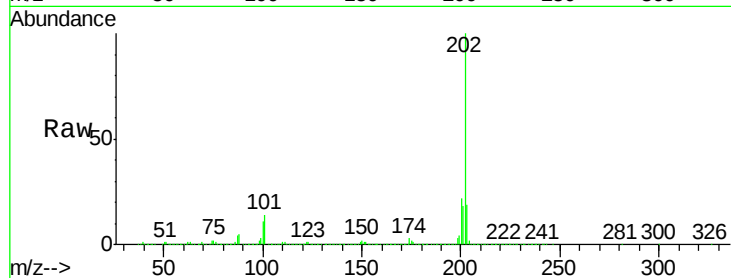
203 19.1 14.0 21.0

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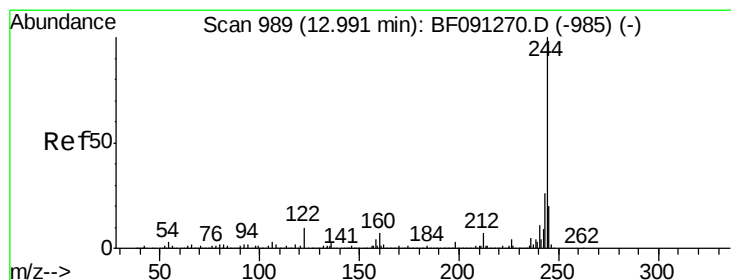
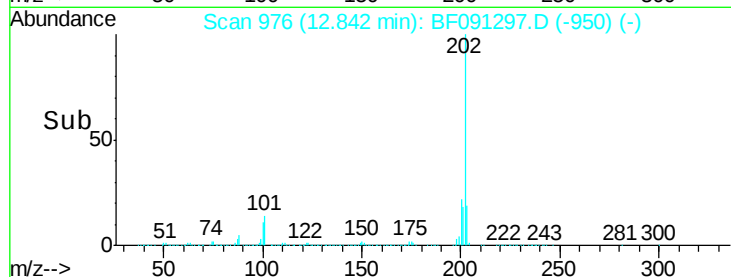
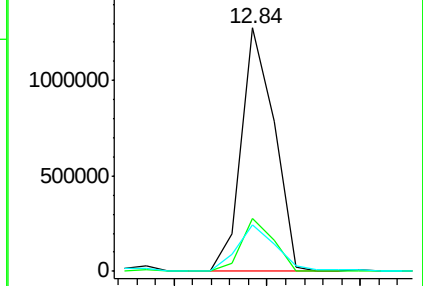
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 48.64 ng

RT: 12.99 min Scan# 989

Delta R.T. 0.00 min

Lab File: BF091297.D

Acq: 24 Nov 2016 1:33

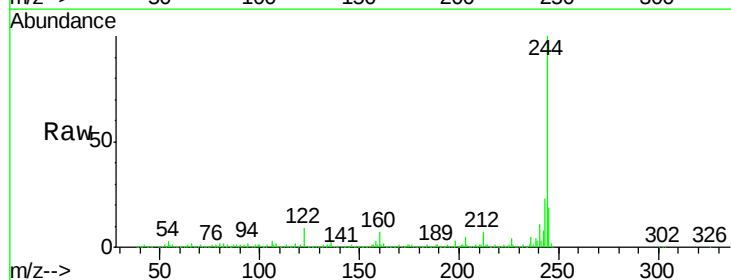
Tgt Ion:244 Resp: 979331

Ion Ratio Lower Upper

244 100

212 7.2 6.5 9.7

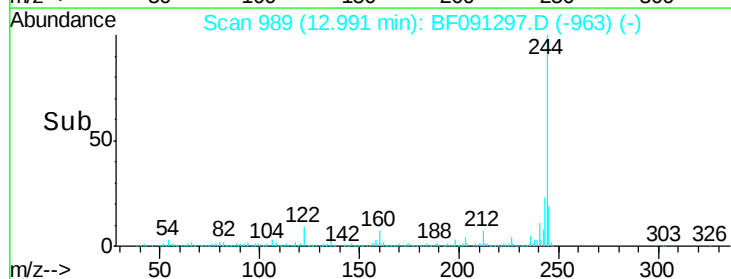
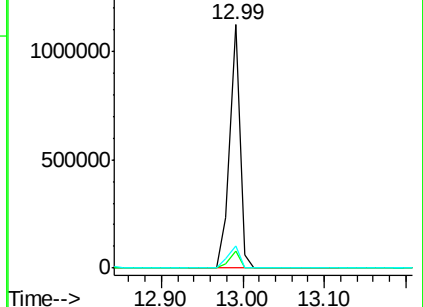
122 9.1 9.5 14.3#

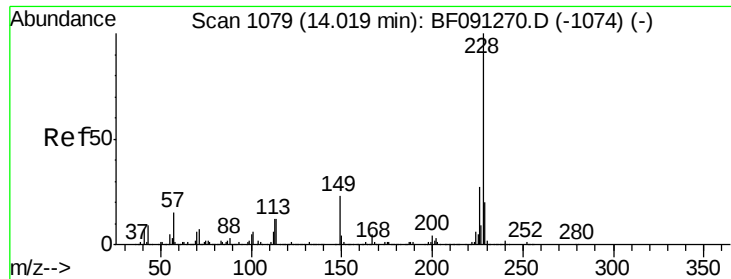


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





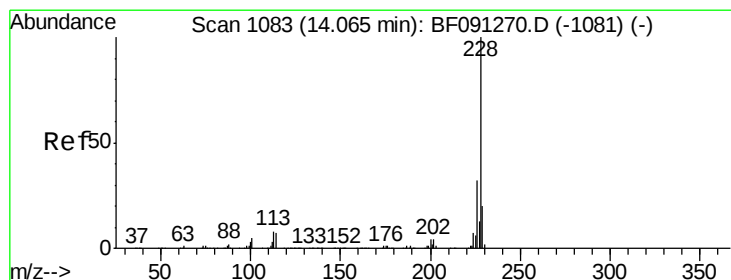
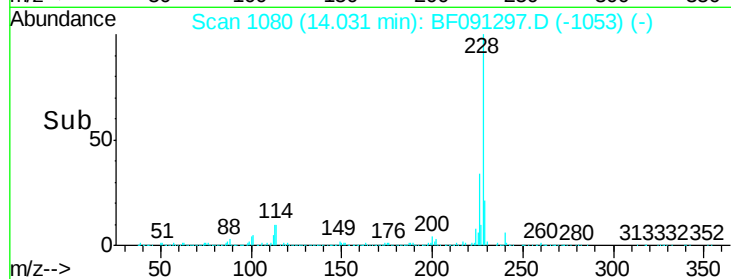
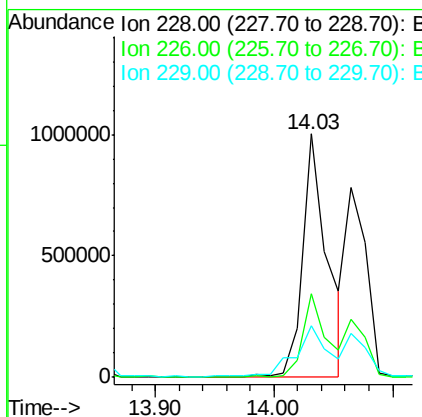
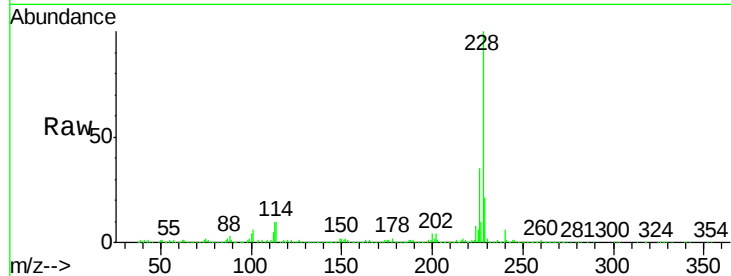
#80
Benzo(a)anthracene
Concen: 55.19 ng
RT: 14.03 min Scan# 1080
Delta R.T. 0.01 min
Lab File: BF091297.D
Acq: 24 Nov 2016 1:33

Instrument :
BNA_F
ClientSampleId :
SB-06(0-0.16)

Tgt Ion:228 Resp: 1440337
Ion Ratio Lower Upper
228 100
226 34.6 22.5 33.7#
229 21.4 16.4 24.6

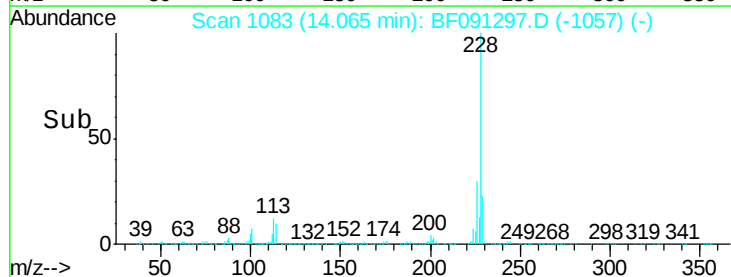
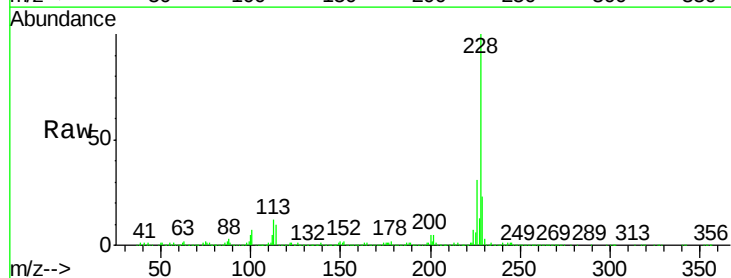
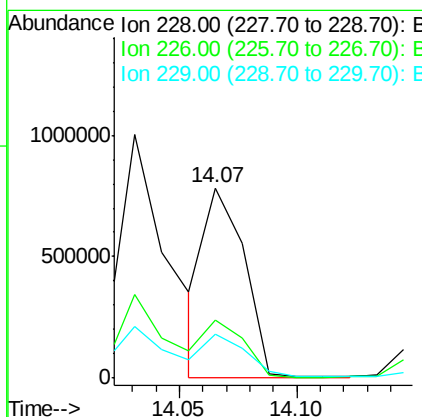
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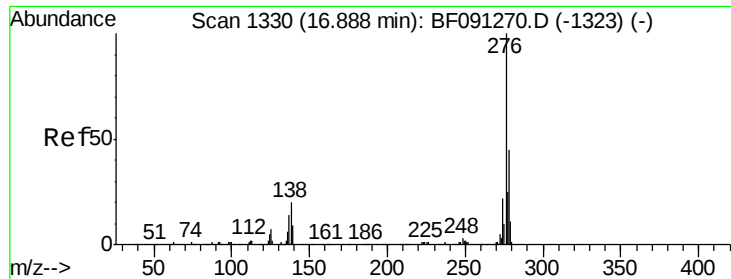
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#82
Chrysene
Concen: 38.22 ng m
RT: 14.07 min Scan# 1083
Delta R.T. 0.00 min
Lab File: BF091297.D
Acq: 24 Nov 2016 1:33

Tgt Ion:228 Resp: 942627
Ion Ratio Lower Upper
228 100
226 30.8 25.0 37.4
229 23.4 16.0 24.0





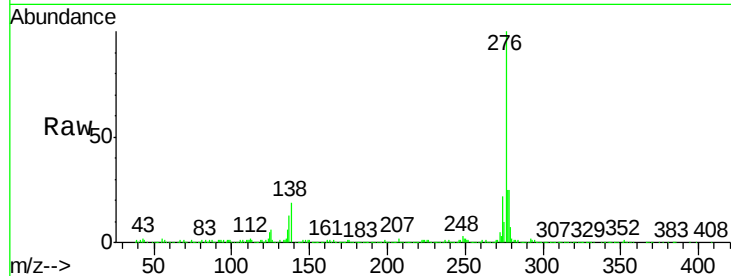
#85
Indeno(1,2,3-cd)pyrene
Concen: 29.47 ng
RT: 16.91 min Scan# 1332
Delta R.T. 0.02 min
Lab File: BF091297.D
Acq: 24 Nov 2016 1:33

Instrument :
BNA_F
ClientSampleId :
SB-06(0-0.16)

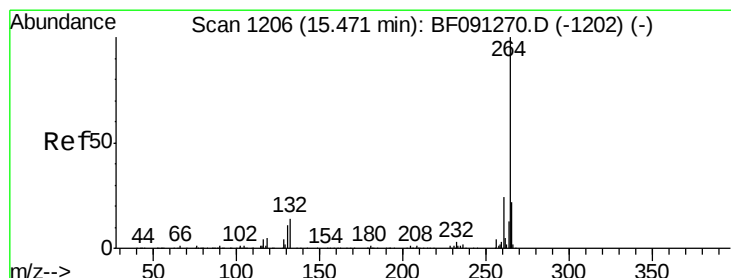
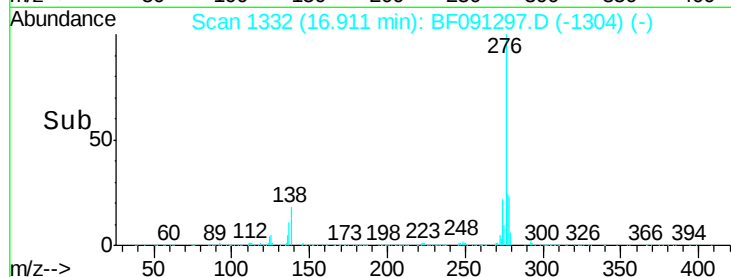
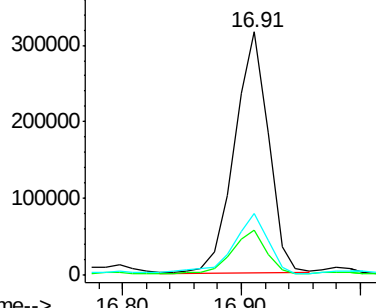
Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.0	21.0	31.4#
277	25.5	20.2	30.2

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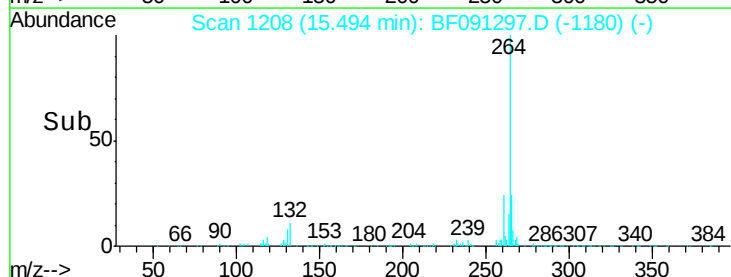
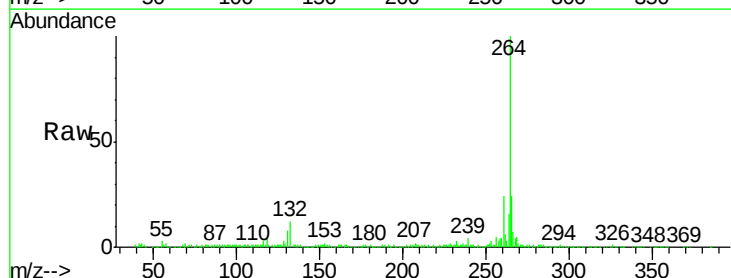
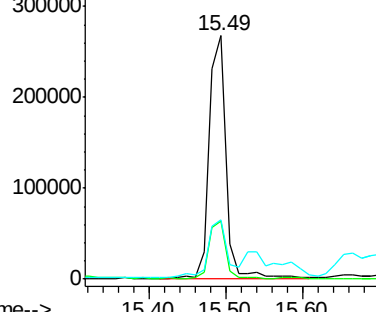
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

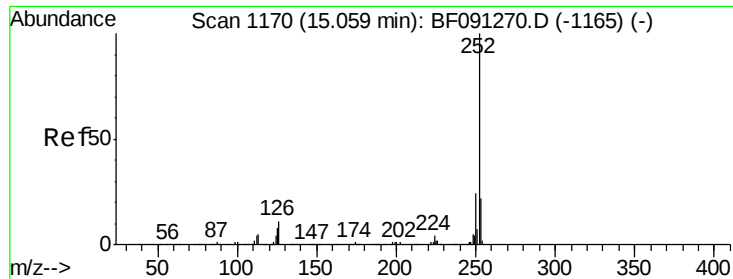


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.49 min Scan# 1208
Delta R.T. 0.02 min
Lab File: BF091297.D
Acq: 24 Nov 2016 1:33

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.8	28.2
265	24.3	17.0	25.6

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: 73.32 ng m

RT: 15.08 min Scan# 1172

Delta R.T. 0.02 min

Lab File: BF091297.D

Acq: 24 Nov 2016 1:33

Instrument :

BNA_F

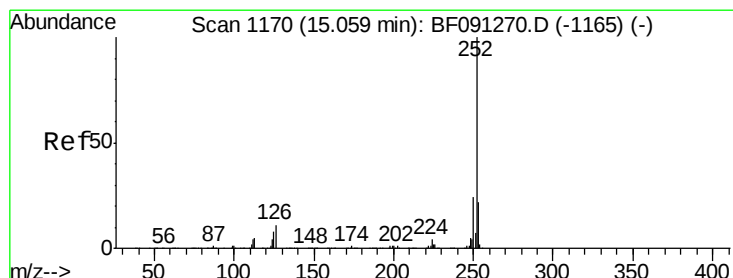
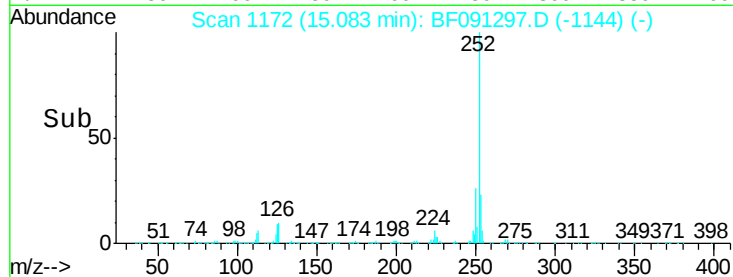
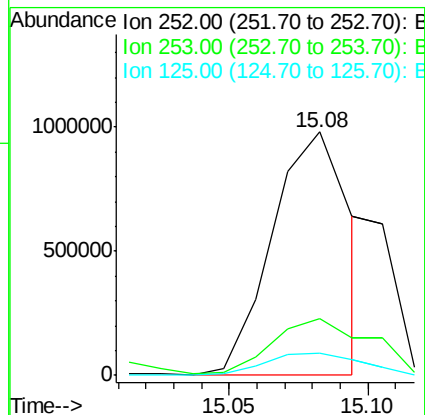
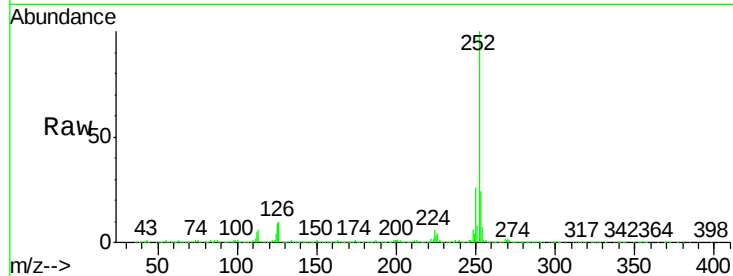
ClientSampleId :

SB-06(0-0.16)

Tgt Ion:	252	Resp:	1905696
Ion Ratio	Lower	Upper	
252	100		
253	23.5	18.2	27.2
125	9.3	8.6	13.0

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#88

Benzo(k)fluoranthene

Concen: 21.31 ng m

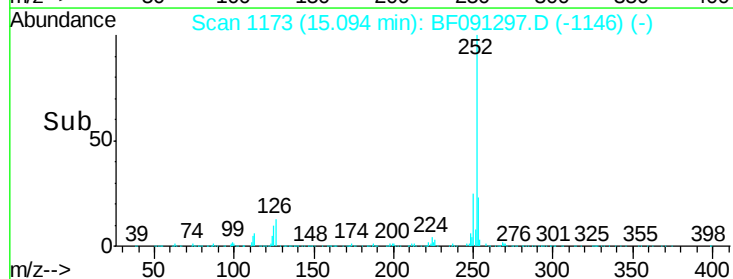
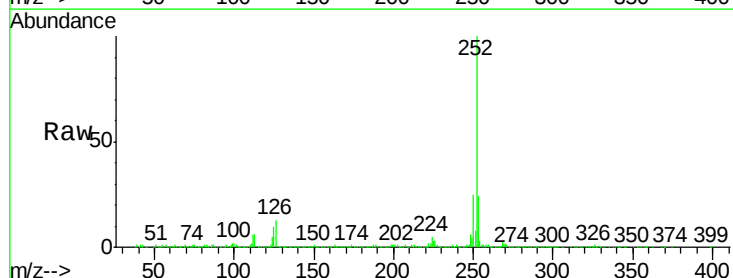
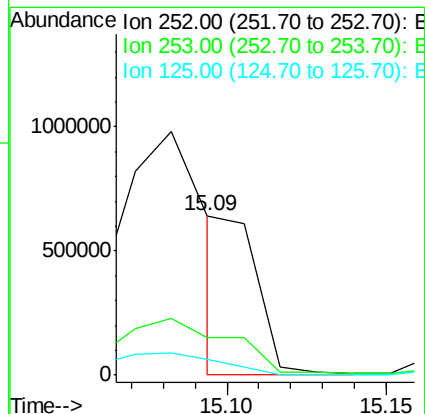
RT: 15.09 min Scan# 1173

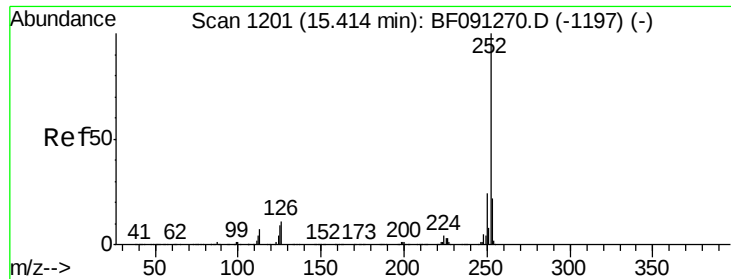
Delta R.T. 0.01 min

Lab File: BF091297.D

Acq: 24 Nov 2016 1:33

Tgt Ion:	252	Resp:	452371
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.8	26.8
125	10.0	9.6	14.4





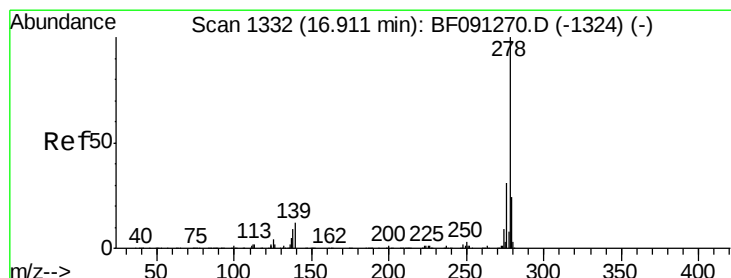
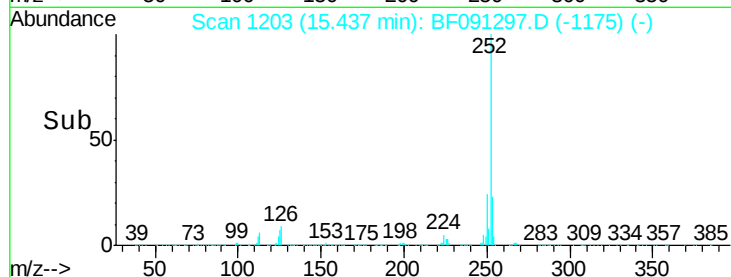
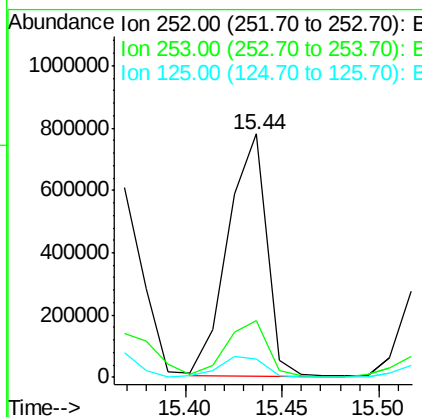
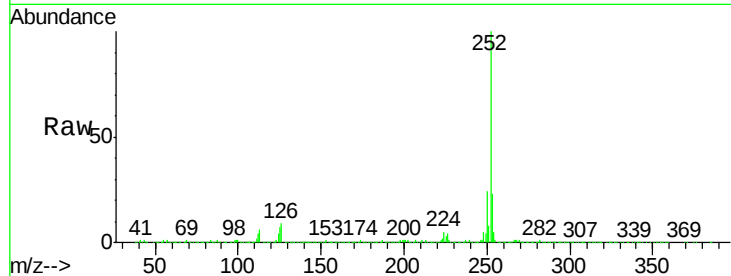
#89
Benzo(a)pyrene
Concen: 49.08 ng m
RT: 15.44 min Scan# 1203
Delta R.T. 0.02 min
Lab File: BF091297.D
Acq: 24 Nov 2016 1:33

Instrument :
BNA_F
ClientSampleId :
SB-06(0-0.16)

Tgt Ion: 252 Resp: 1085342
Ion Ratio Lower Upper
252 100
253 23.2 18.2 27.4
125 7.4 10.4 15.6#

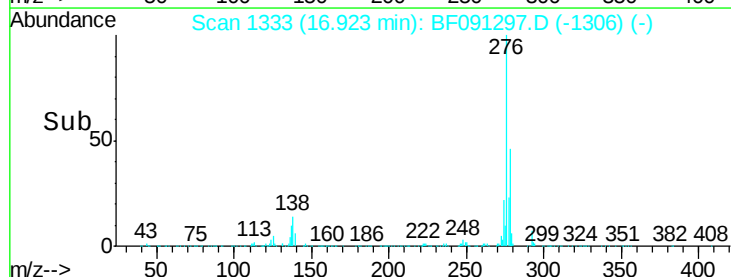
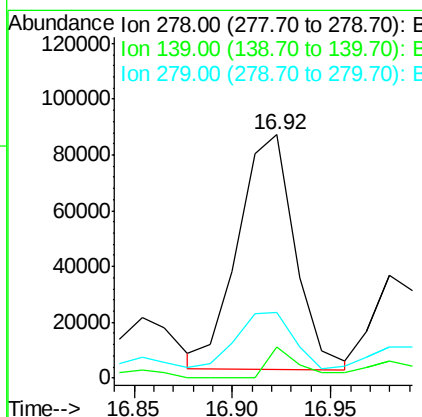
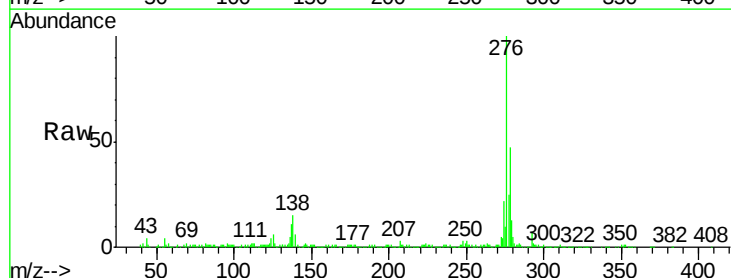
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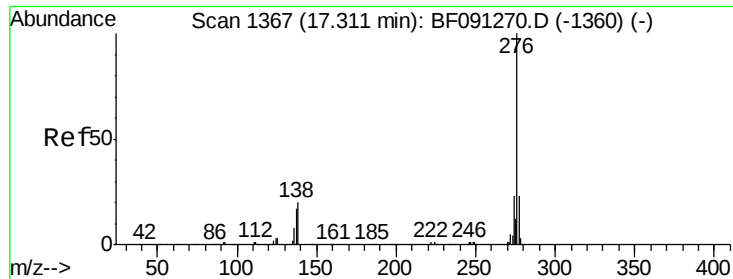
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#90
Dibenzo(a,h)anthracene
Concen: 8.35 ng m
RT: 16.92 min Scan# 1333
Delta R.T. 0.01 min
Lab File: BF091297.D
Acq: 24 Nov 2016 1:33

Tgt Ion: 278 Resp: 170480
Ion Ratio Lower Upper
278 100
139 12.6 15.1 22.7#
279 27.0 19.0 28.6





#91
 Benzo(g,h,i)perylene
 Concen: 26.19 ng
 RT: 17.33 min Scan# 1369
 Delta R.T. 0.02 min
 Lab File: BF091297.D
 Acq: 24 Nov 2016 1:33

Instrument :
 BNA_F
 ClientSampleId :
 SB-06(0-0.16)

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.0	28.4
138	20.2	15.4	23.0

Manual Integrations
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