

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110416\
 Data File : BF091031.D
 Acq On : 4 Nov 2016 20:12
 Operator : UM/SJ
 Sample : H5526-17
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-106-0.5-5.0

Manual Integrations
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Quant Time: Nov 07 04:13:51 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	233576	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	956295	20.00	ng	-0.01
38) Acenaphthene-d10	9.74	164	483323	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	701035	20.00	ng	-0.01
75) Chrysene-d12	13.86	240	501012	20.00	ng	0.00
86) Perylene-d12	15.25	264	478024	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	993860	70.27	ng	0.01
7) Phenol-d6	6.36	99	2427807	126.47	ng	0.01
23) Nitrobenzene-d5	7.28	82	1727766	98.56	ng	0.00
41) 2,4,6-Tribromophenol	10.53	330	98297	22.50	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	2083892	74.23	ng	0.00
78) Terphenyl-d14	12.81	244	1754680	87.40	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.47	163	975818	30.79	ng	99
51) Acenaphthene	9.77	154	82762	3.16	ng	99
57) Fluorene	10.28	166	104156	3.61	ng	98
70) Phenanthrene	11.25	178	1733324	46.51	ng	100
71) Anthracene	11.30	178	468715	11.83	ng	99
72) Carbazole	11.46	167	165731	4.64	ng	98
73) Di-n-butylphthalate	11.80	149	2155989	48.01	ng	99
74) Fluoranthene	12.44	202	2200567	56.94	ng	91
77) Pyrene	12.66	202	1692066	51.57	ng	97
80) Benzo(a)anthracene	13.85	228	838813	29.49	ng	99
82) Chrysene	13.88	228	588720	20.99	ng	97
83) Bis(2-ethylhexyl)phthalate	13.85	149	472912	22.27	ng	99
85) Indeno(1,2,3-cd)pyrene	16.57	276	309257	13.29	ng	94
87) Benzo(b)fluoranthene	14.87	252	829550m	25.59	ng	
88) Benzo(k)fluoranthene	14.88	252	333421m	11.72	ng	
89) Benzo(a)pyrene	15.20	252	517507	18.34	ng	# 94
90) Dibenzo(a,h)anthracene	16.57	278	76291m	3.13	ng	
91) Benzo(g,h,i)perylene	16.96	276	255954	11.60	ng	99

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

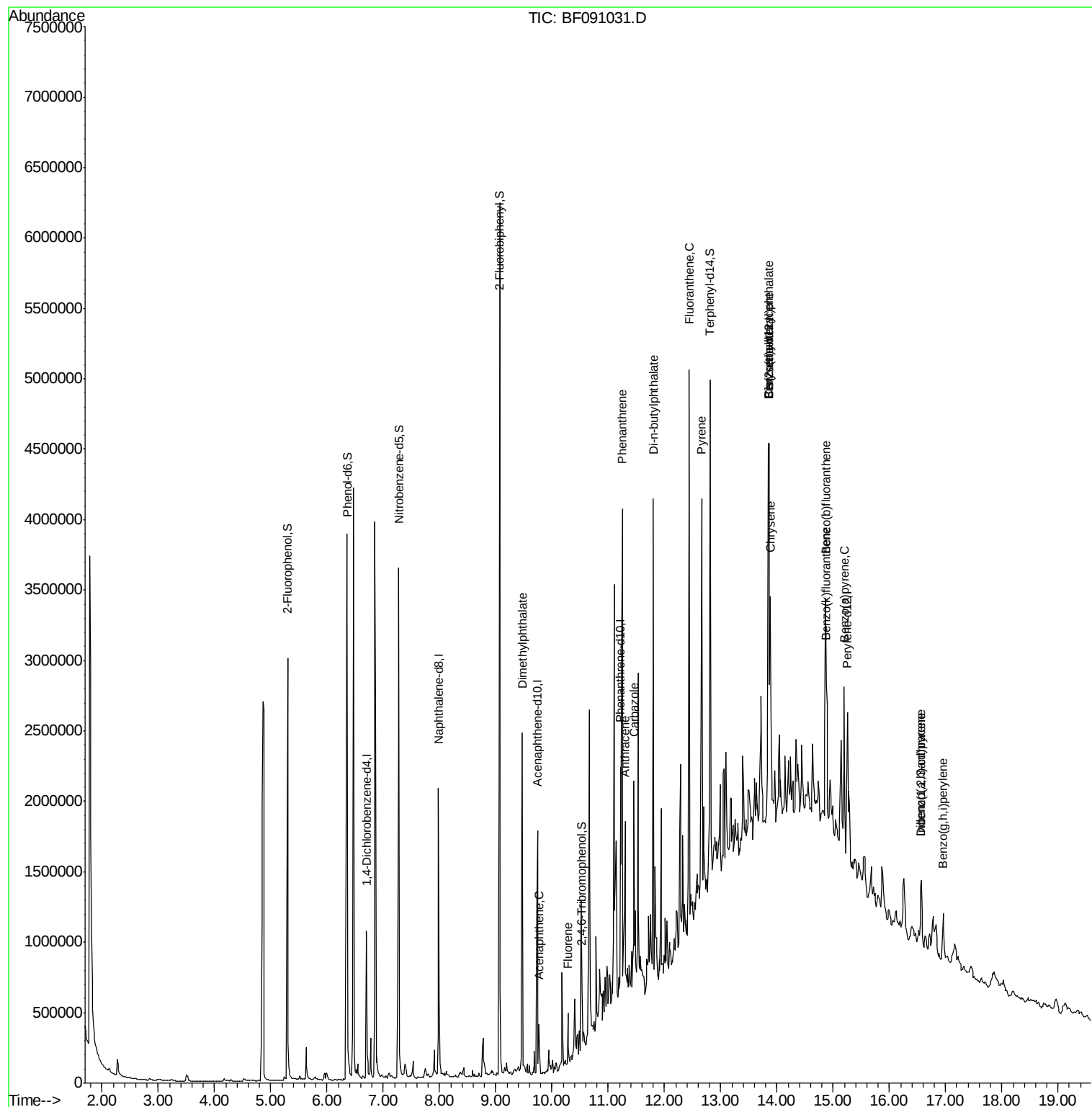
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110416\
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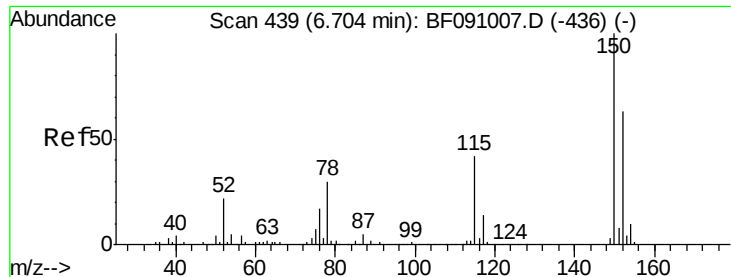
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Quant Time: Nov 07 04:13:51 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 04 11:03:12 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 439

Delta R.T. 0.00 min

Lab File: BF091031.D

Acq: 4 Nov 2016 20:12

Instrument :

BNA_F

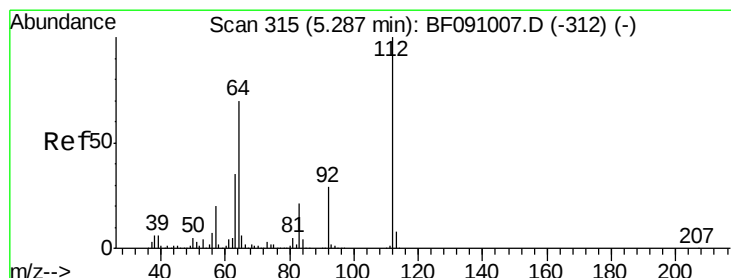
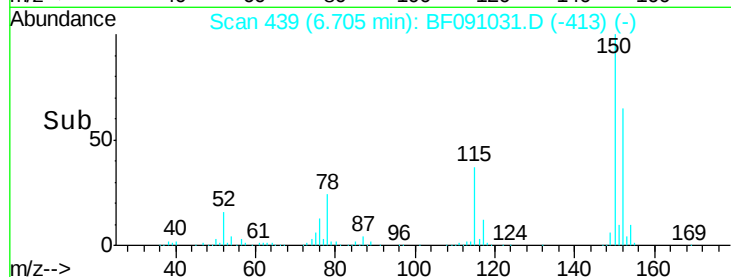
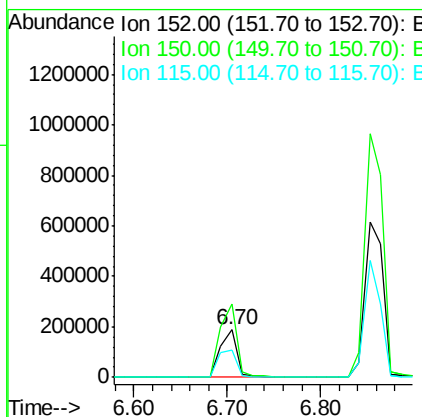
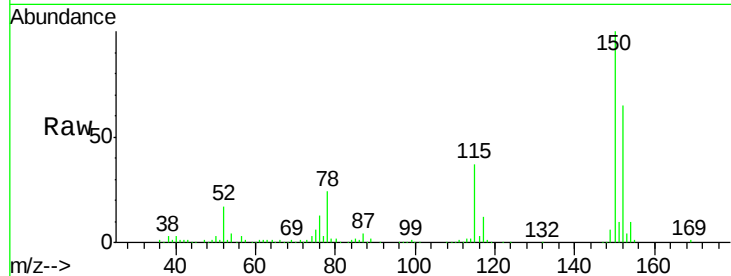
ClientSampleId :

SB-106-0.5-5.0

Tgt Ion:	152	Resp:	233576
Ion Ratio	Lower	Upper	
152	100		
150	154.3	126.8	190.2
115	57.5	53.3	79.9

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#5

2-Fluorophenol

Concen: 70.27 ng

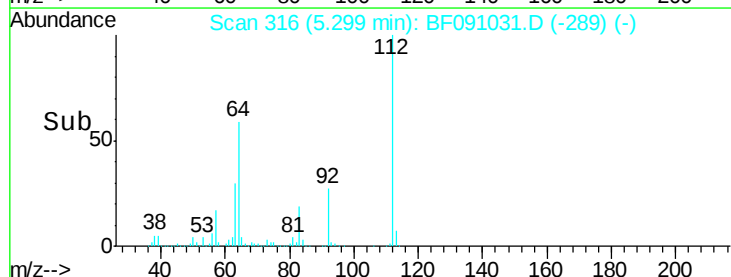
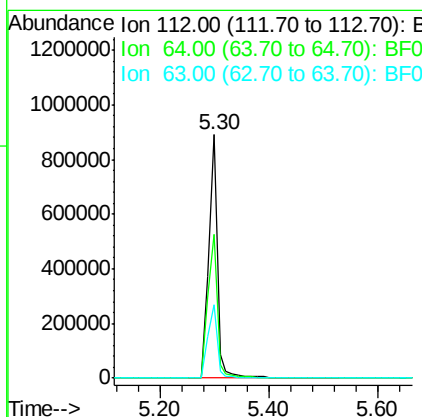
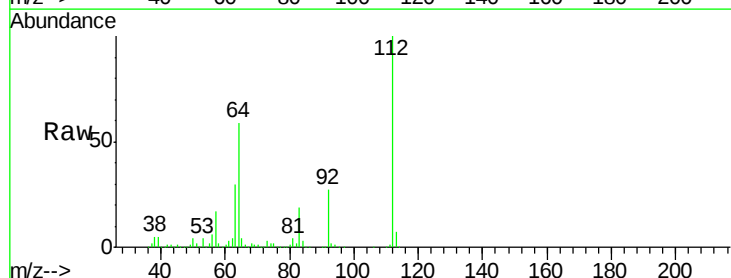
RT: 5.30 min Scan# 316

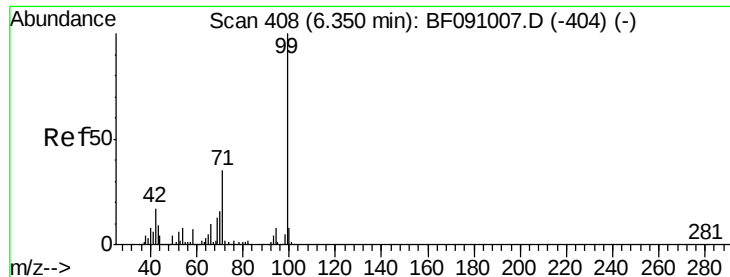
Delta R.T. 0.01 min

Lab File: BF091031.D

Acq: 4 Nov 2016 20:12

Tgt Ion:	112	Resp:	993860
Ion Ratio	Lower	Upper	
112	100		
64	59.1	55.8	83.6
63	30.0	28.0	42.0





#7

Phenol-d6

Concen: 126.47 ng

RT: 6.36 min Scan# 409

Delta R.T. 0.01 min

Lab File: BF091031.D

Acq: 4 Nov 2016 20:12

Instrument :

BNA_F

ClientSampleId :

SB-106-0.5-5.0

Tgt Ion: 99 Resp: 2427807

Ion Ratio Lower Upper

99 100

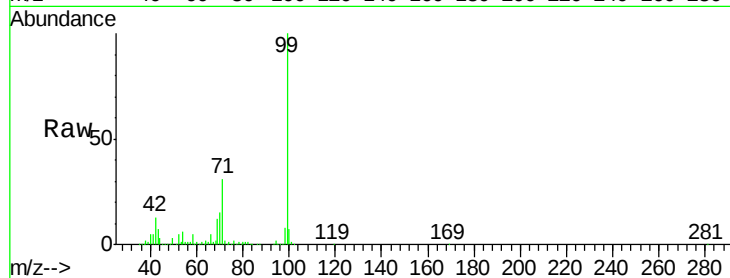
42 13.1 13.9 20.9#

71 30.5 27.8 41.8

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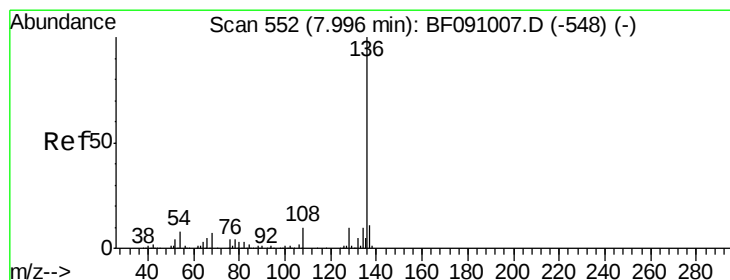
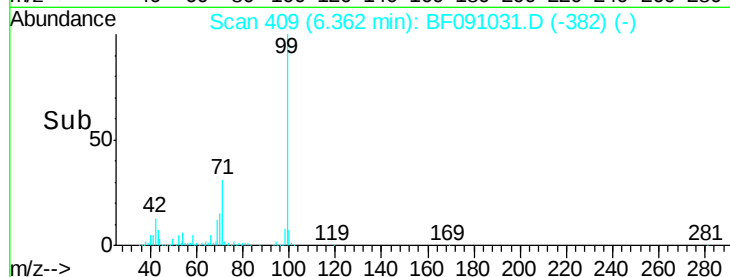
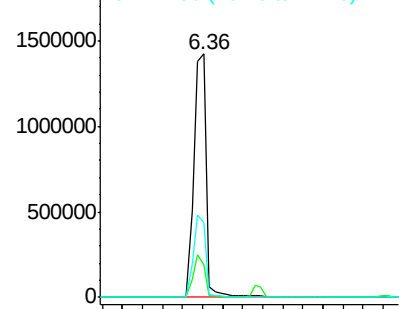
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 551

Delta R.T. -0.01 min

Lab File: BF091031.D

Acq: 4 Nov 2016 20:12

Tgt Ion: 136 Resp: 956295

Ion Ratio Lower Upper

136 100

137 11.6 8.9 13.3

54 10.1 6.2 9.2#

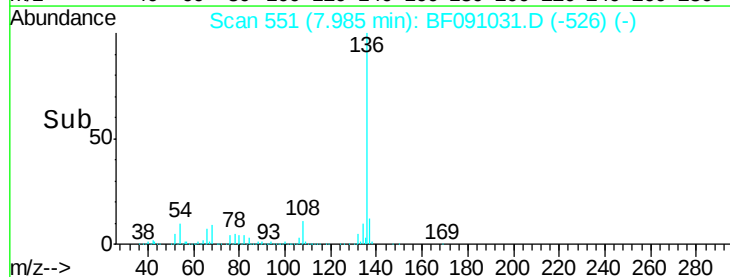
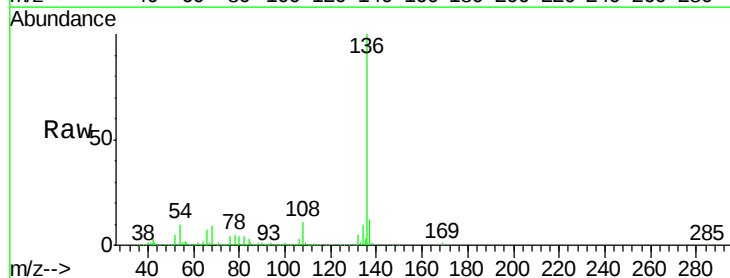
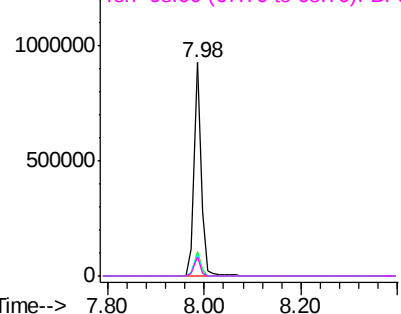
68 8.8 5.5 8.3#

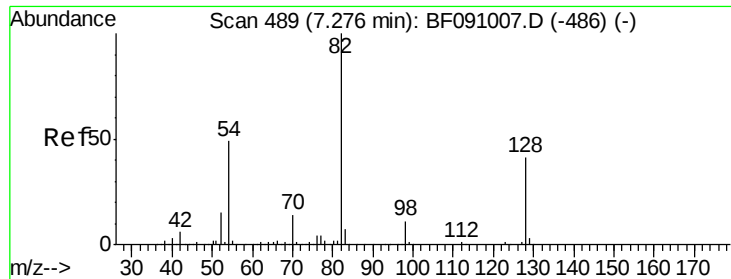
Abundance Ion 136.00 (135.70 to 136.70): E

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





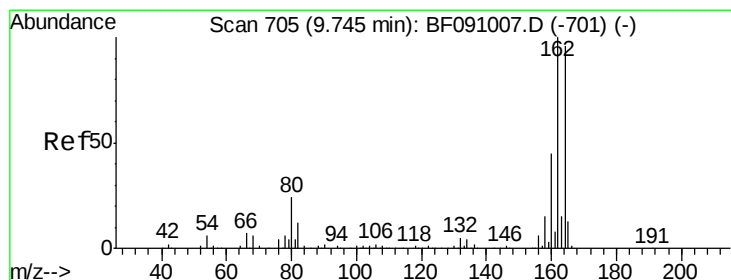
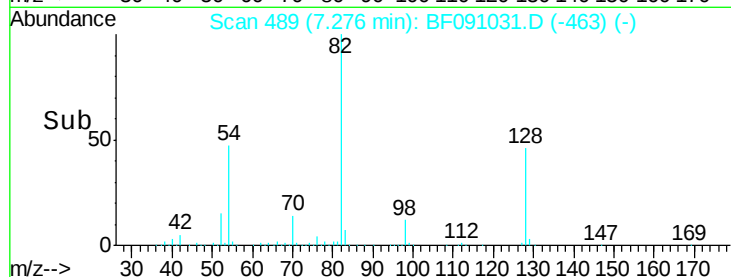
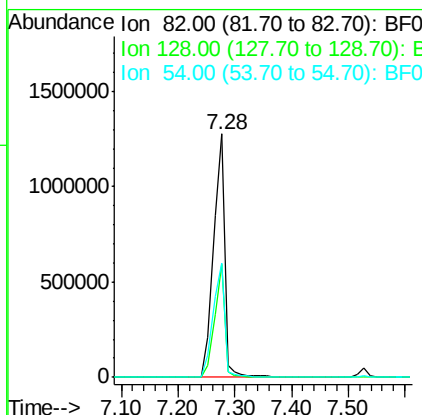
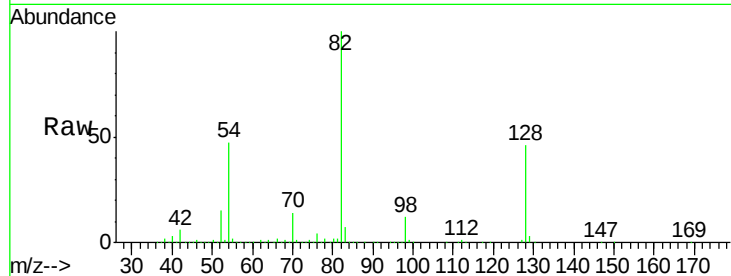
#23
 Nitrobenzene-d5
 Concen: 98.56 ng
 RT: 7.28 min Scan# 489
 Delta R.T. 0.00 min
 Lab File: BF091031.D
 Acq: 4 Nov 2016 20:12

Instrument :
 BNA_F
 ClientSampleId :
 SB-106-0.5-5.0

Tgt Ion: 82 Resp: 1727766
 Ion Ratio Lower Upper
 82 100
 128 46.2 32.4 48.6
 54 46.8 39.2 58.8

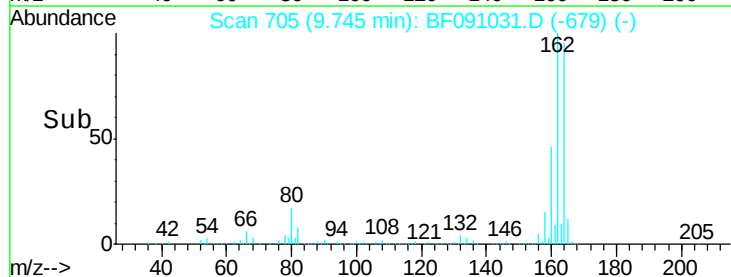
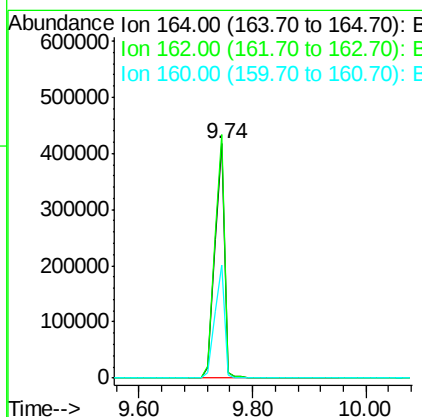
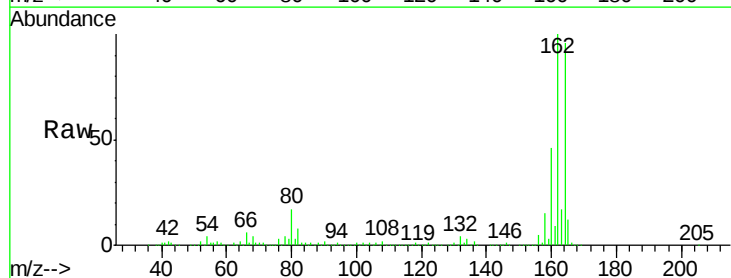
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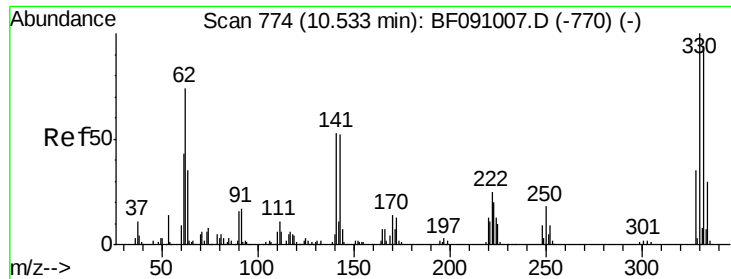
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.74 min Scan# 705
 Delta R.T. 0.00 min
 Lab File: BF091031.D
 Acq: 4 Nov 2016 20:12

Tgt Ion: 164 Resp: 483323
 Ion Ratio Lower Upper
 164 100
 162 104.0 83.6 125.4
 160 48.3 37.9 56.9





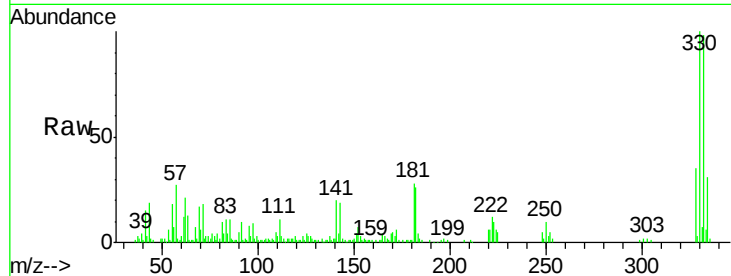
#41
 2,4,6-Tribromophenol
 Concen: 22.50 ng
 RT: 10.53 min Scan# 774
 Delta R.T. 0.00 min
 Lab File: BF091031.D
 Acq: 4 Nov 2016 20:12

Instrument :
 BNA_F
 ClientSampleId :
 SB-106-0.5-5.0

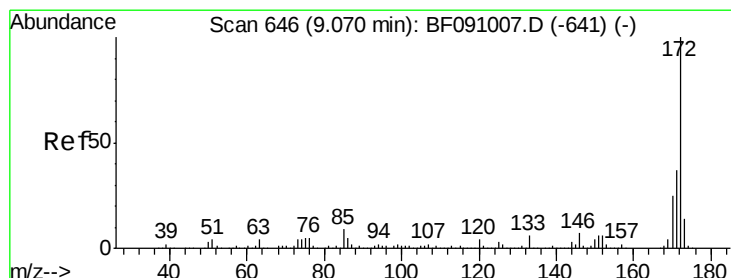
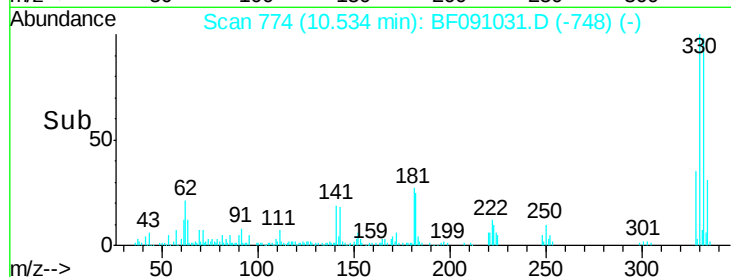
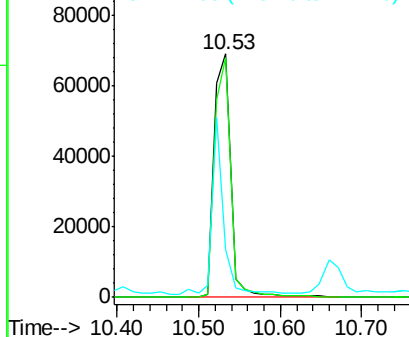
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	98297		
332	96.0	75.9	113.9	
141	50.9	36.1	54.1	

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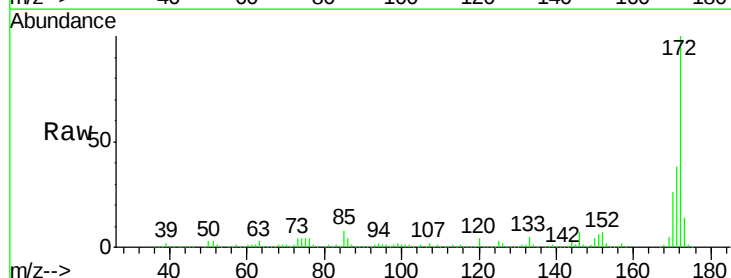


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

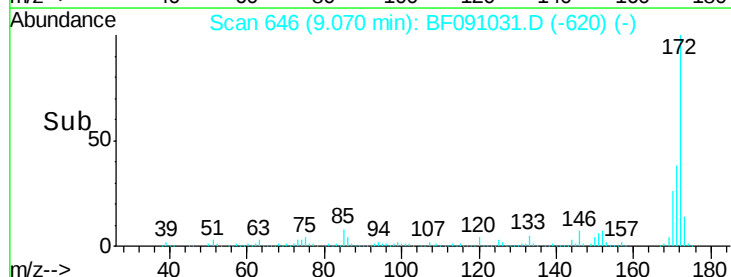
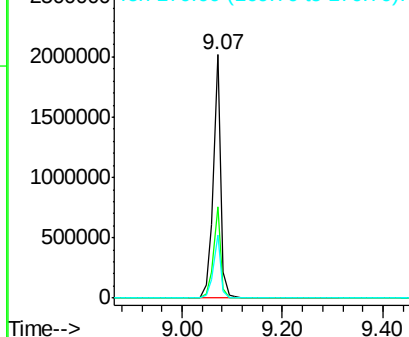


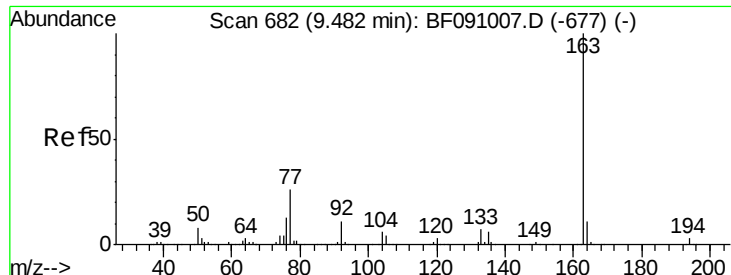
#44
 2-Fluorobiphenyl
 Concen: 74.23 ng
 RT: 9.07 min Scan# 646
 Delta R.T. 0.00 min
 Lab File: BF091031.D
 Acq: 4 Nov 2016 20:12

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2083892		
171	37.5	29.8	44.6	
170	25.8	20.3	30.5	



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





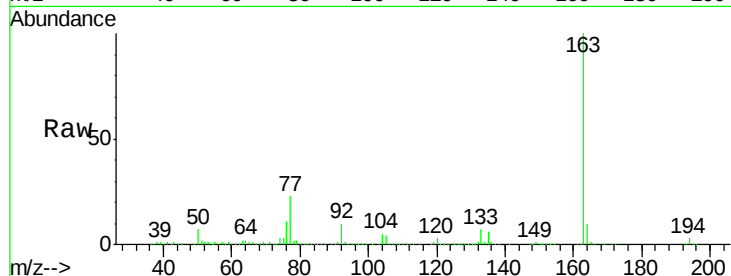
#49
Dimethylphthalate
Concen: 30.79 ng
RT: 9.47 min Scan# 681
Delta R.T. -0.01 min
Lab File: BF091031.D
Acq: 4 Nov 2016 20:12

Instrument :
BNA_F
ClientSampleId :
SB-106-0.5-5.0

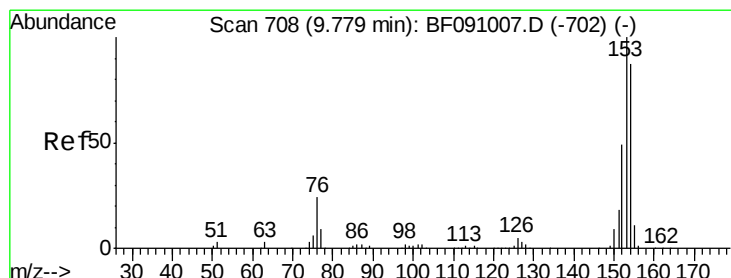
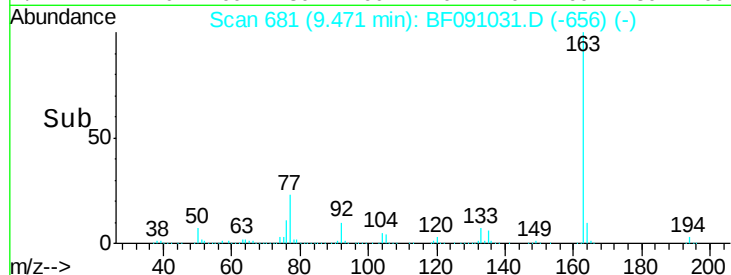
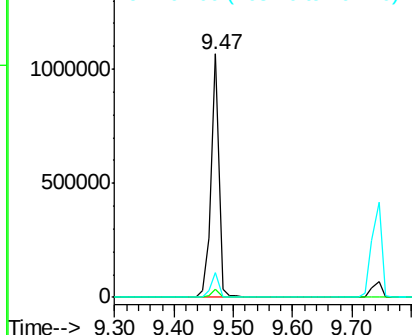
Tgt Ion	Ratio	Resp	Lower	Upper
163	100	975818		
194	3.4		2.6	4.0
164	10.4		8.7	13.1

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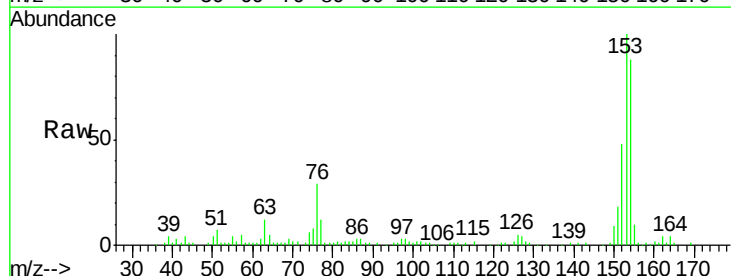


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

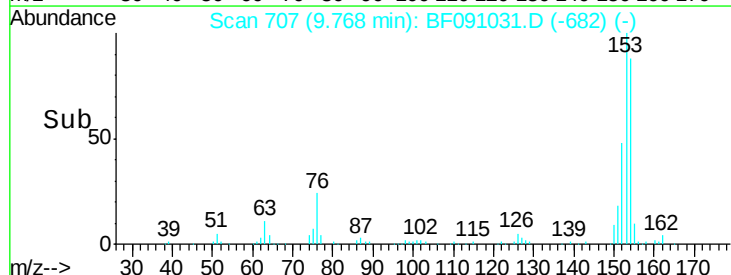
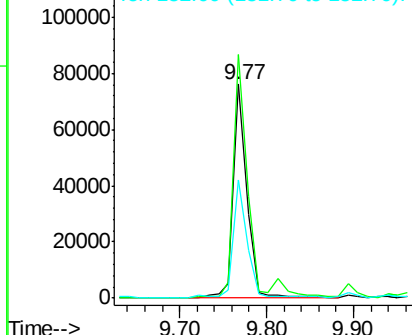


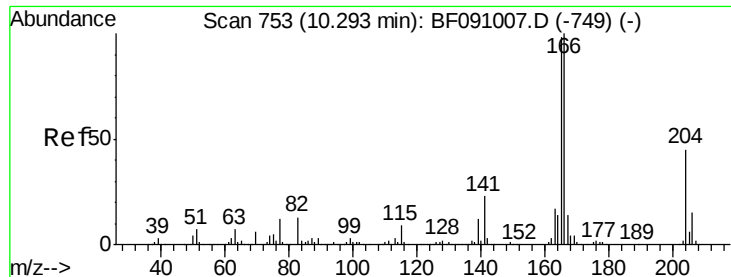
#51
Acenaphthene
Concen: 3.16 ng
RT: 9.77 min Scan# 707
Delta R.T. -0.01 min
Lab File: BF091031.D
Acq: 4 Nov 2016 20:12

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	82762		
153	114.0		91.6	137.4
152	55.1		44.6	67.0



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





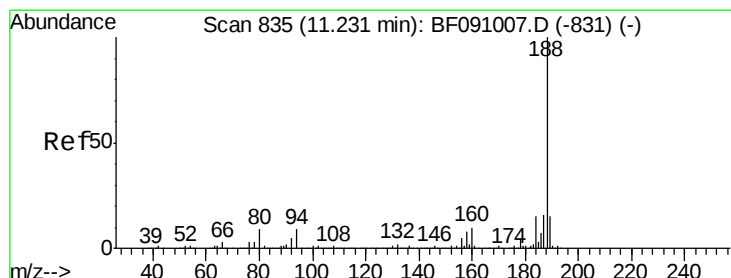
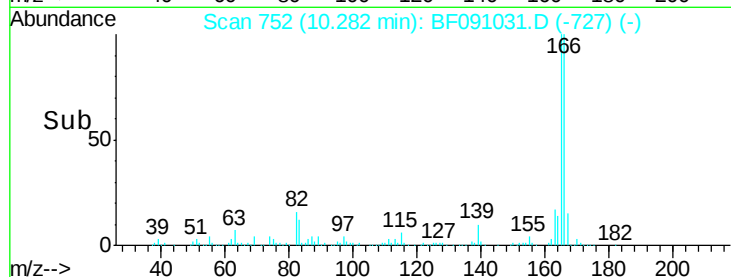
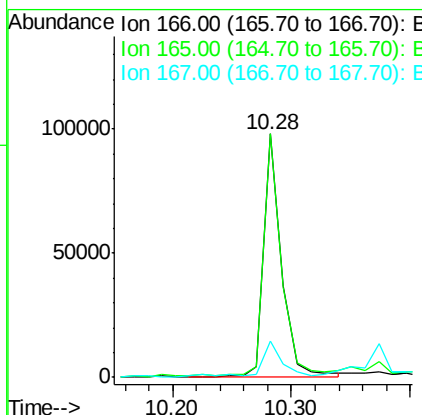
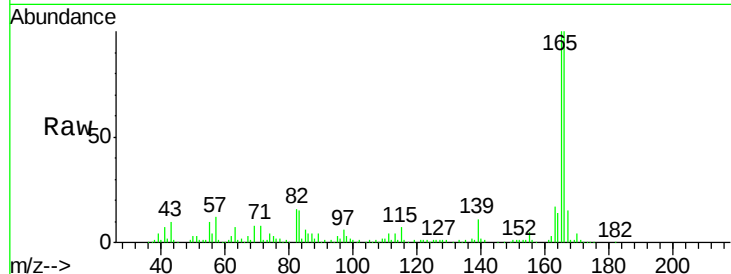
#57
Fluorene
 Concen: 3.61 ng
 RT: 10.28 min Scan# 752
 Delta R.T. -0.01 min
 Lab File: BF091031.D
 Acq: 4 Nov 2016 20:12

Instrument :
 BNA_F
 ClientSampleId :
 SB-106-0.5-5.0

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	104156		
165	100.0	78.6	118.0	
167	14.9	11.1	16.7	

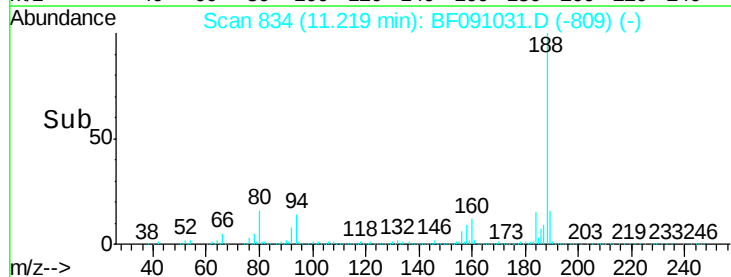
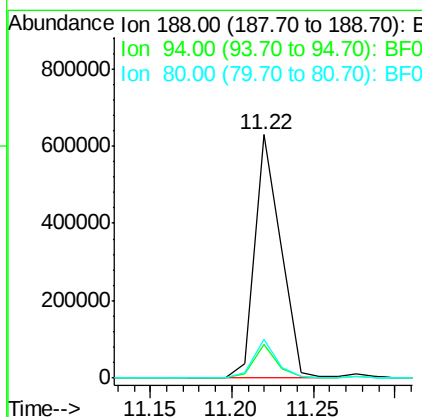
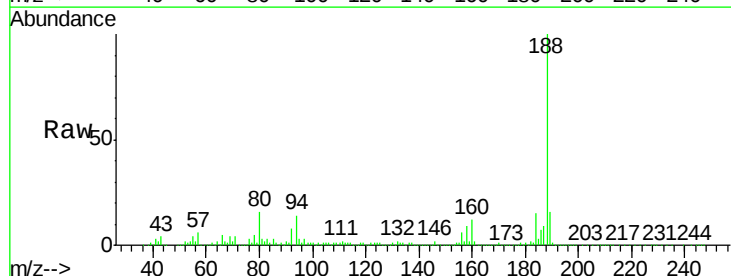
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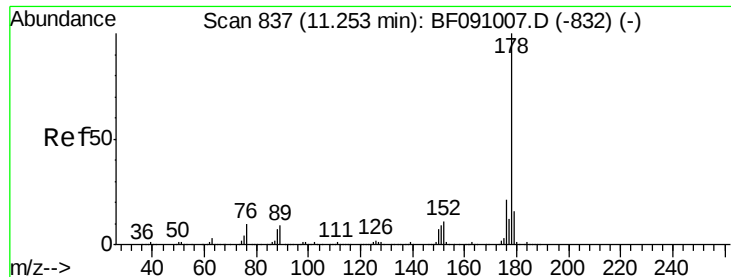
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.22 min Scan# 834
 Delta R.T. -0.01 min
 Lab File: BF091031.D
 Acq: 4 Nov 2016 20:12

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	701035		
94	13.9	7.0	10.4#	
80	16.1	7.5	11.3#	





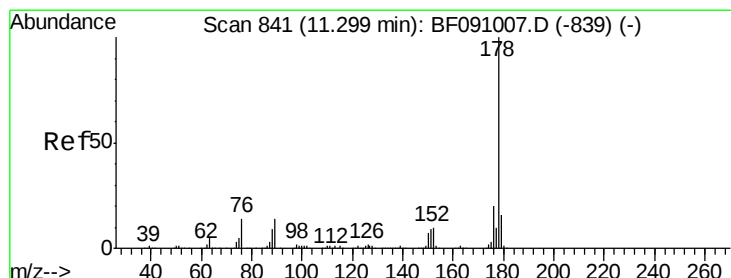
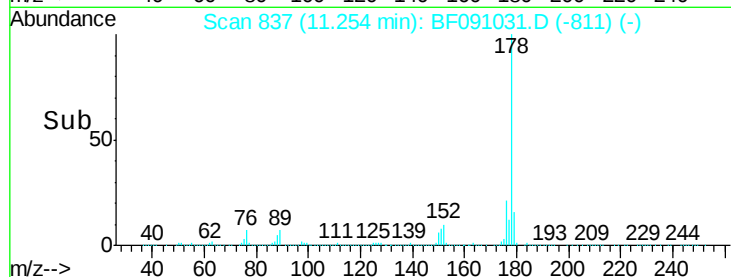
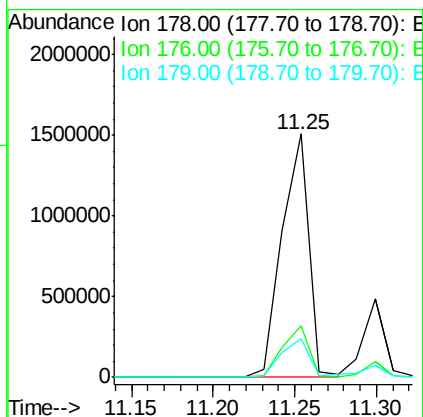
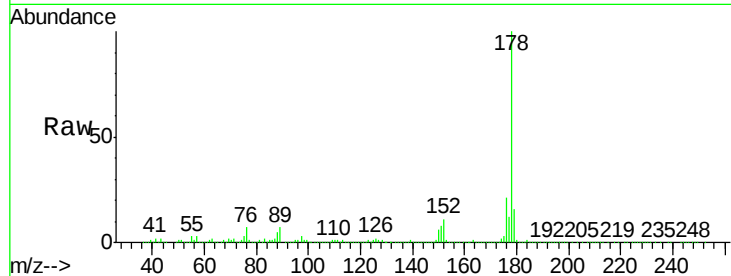
#70
Phenanthrene
Concen: 46.51 ng
RT: 11.25 min Scan# 837
Delta R.T. 0.00 min
Lab File: BF091031.D
Acq: 4 Nov 2016 20:12

Instrument :
BNA_F
ClientSampleId :
SB-106-0.5-5.0

Tgt Ion:178 Resp: 1733324
Ion Ratio Lower Upper
178 100
176 21.0 16.6 25.0
179 16.1 12.9 19.3

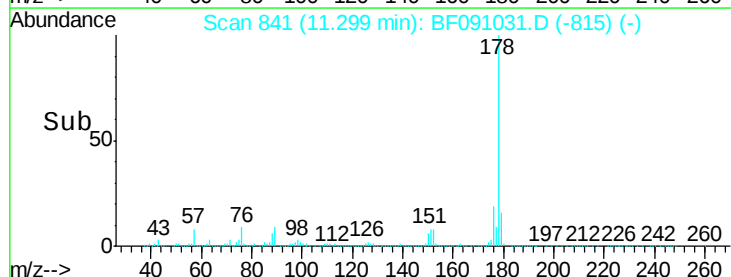
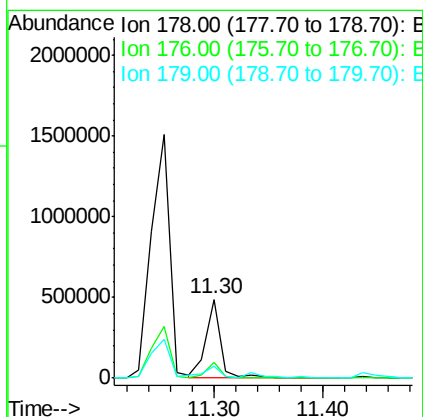
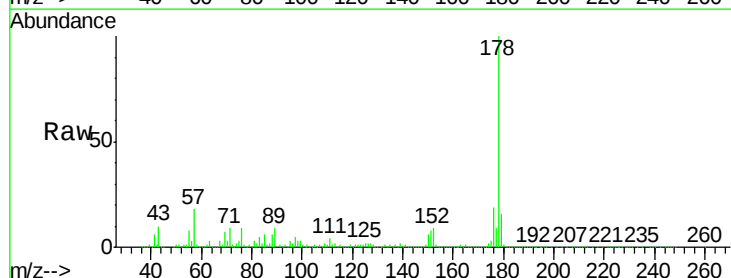
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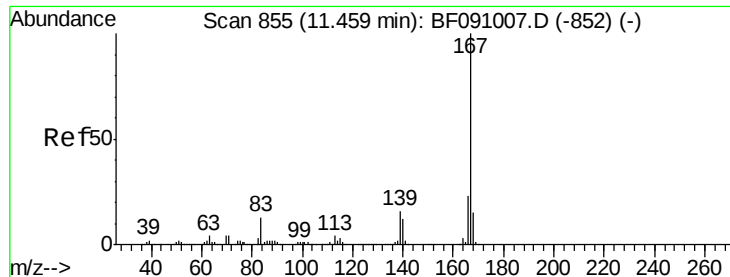
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#71
Anthracene
Concen: 11.83 ng
RT: 11.30 min Scan# 841
Delta R.T. 0.00 min
Lab File: BF091031.D
Acq: 4 Nov 2016 20:12

Tgt Ion:178 Resp: 468715
Ion Ratio Lower Upper
178 100
176 19.4 16.0 24.0
179 15.9 13.0 19.6





#72

Carbazole

Concen: 4.64 ng

RT: 11.46 min Scan# 855

Delta R.T. 0.00 min

Lab File: BF091031.D

Acq: 4 Nov 2016 20:12

Instrument :

BNA_F

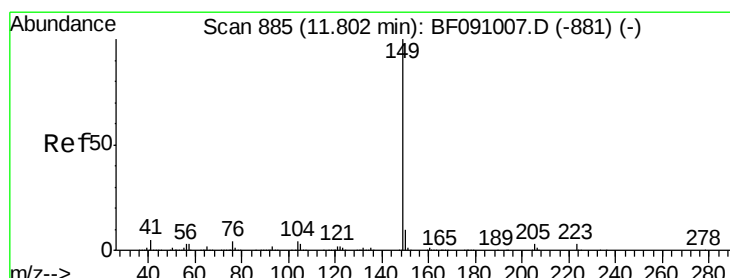
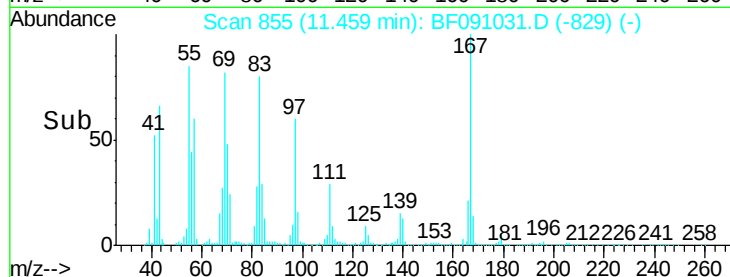
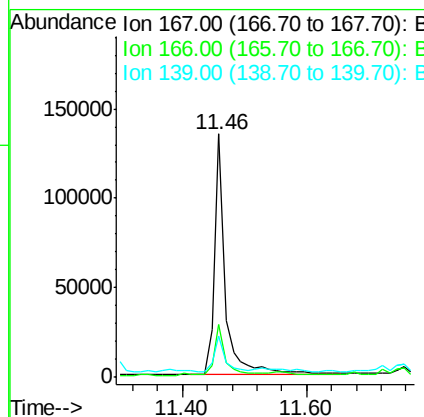
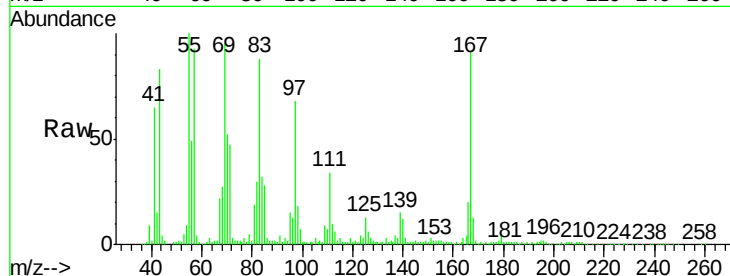
ClientSampleId :

SB-106-0.5-5.0

Tgt Ion:	167	Resp:	165731
Ion Ratio	Lower	Upper	
167	100		
166	22.0	18.0	27.0
139	16.8	12.6	18.8

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#73

Di-n-butylphthalate

Concen: 48.01 ng

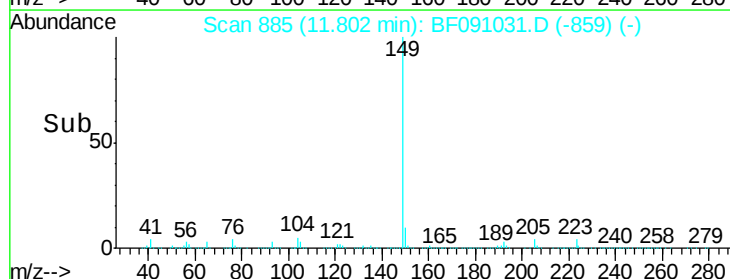
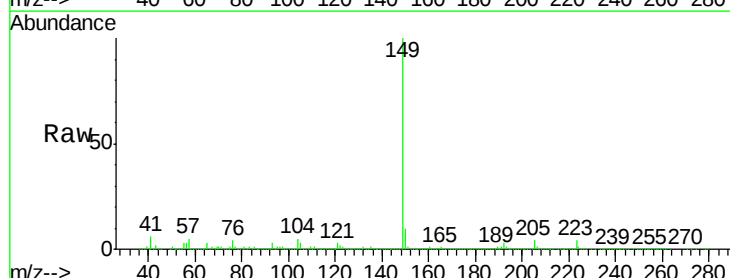
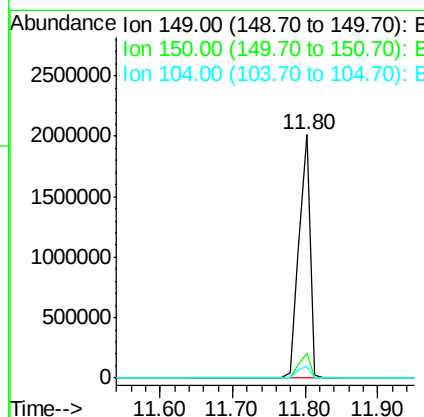
RT: 11.80 min Scan# 885

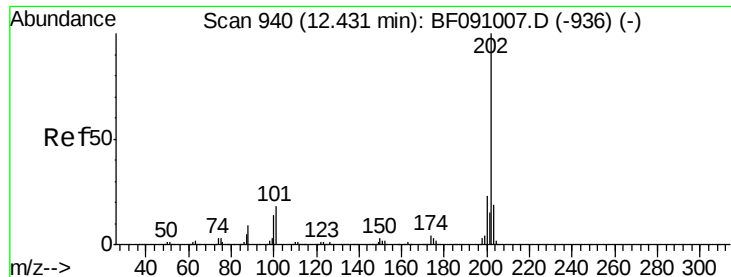
Delta R.T. 0.00 min

Lab File: BF091031.D

Acq: 4 Nov 2016 20:12

Tgt Ion:	149	Resp:	2155989
Ion Ratio	Lower	Upper	
149	100		
150	10.0	7.7	11.5
104	4.7	3.6	5.4





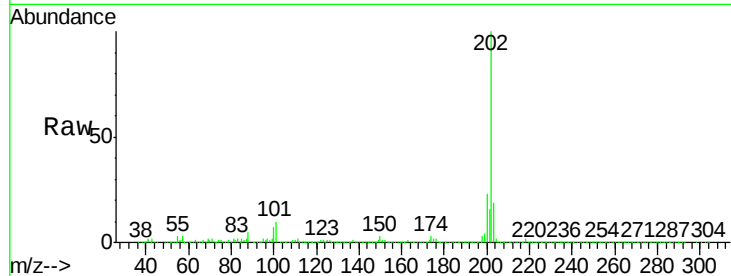
#74
Fluoranthene
Concen: 56.94 ng
RT: 12.44 min Scan# 941
Delta R.T. 0.01 min
Lab File: BF091031.D
Acq: 4 Nov 2016 20:12

Instrument :
BNA_F
ClientSampleId :
SB-106-0.5-5.0

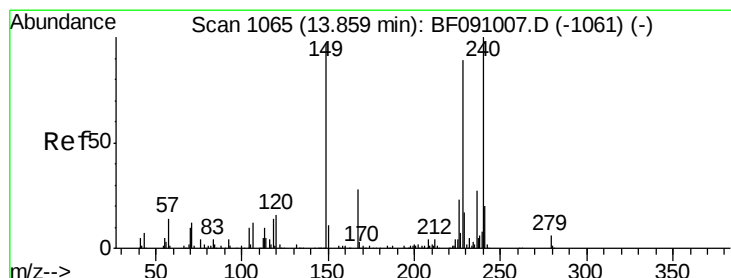
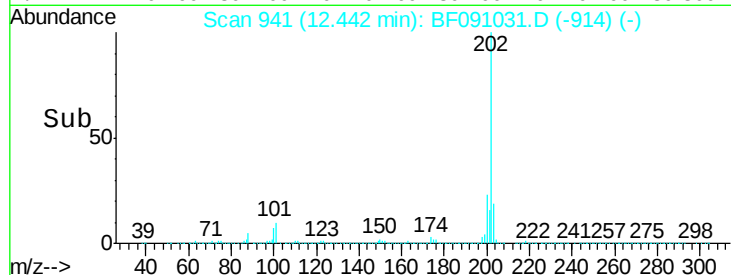
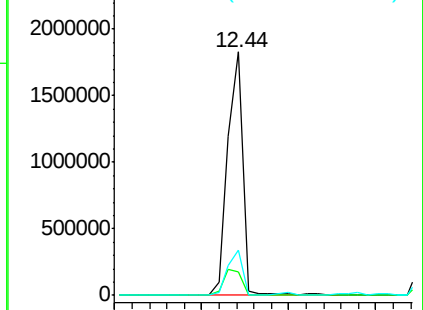
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	37.6
203	18.7	0.0	38.6

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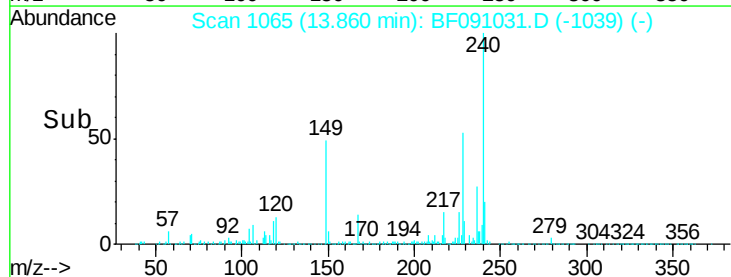
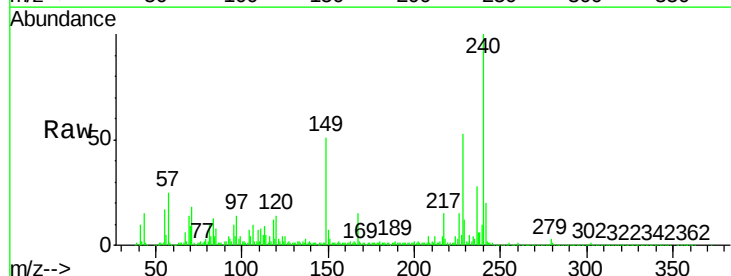
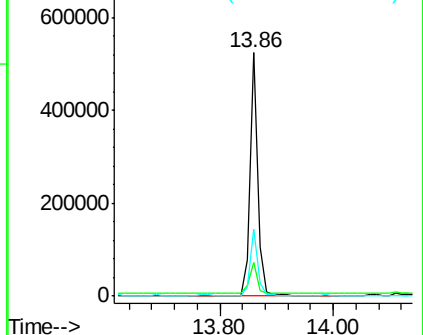
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

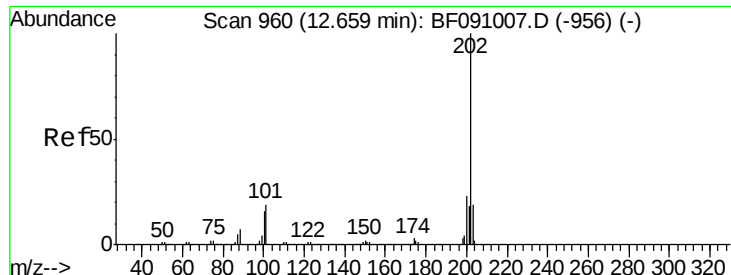


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.86 min Scan# 1065
Delta R.T. 0.00 min
Lab File: BF091031.D
Acq: 4 Nov 2016 20:12

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.0	12.9	19.3
236	27.5	21.9	32.9

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





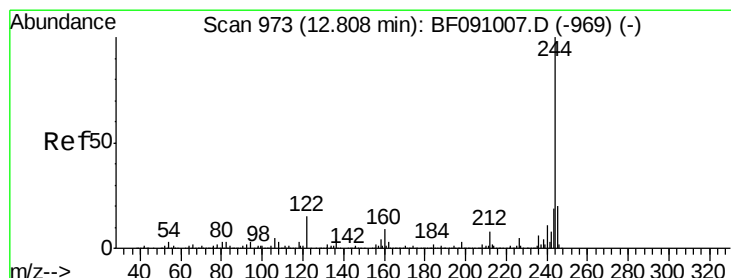
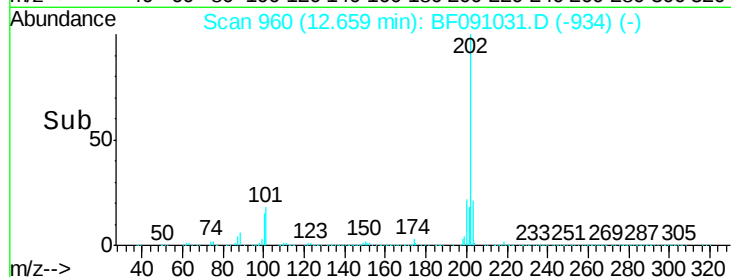
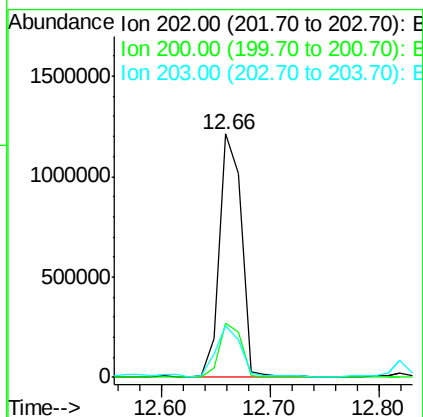
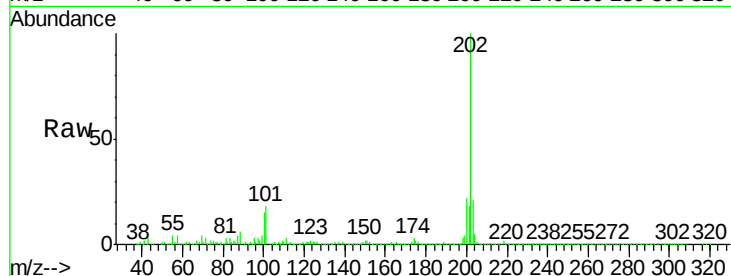
#77
Pyrene
Concen: 51.57 ng
RT: 12.66 min Scan# 960
Delta R.T. 0.00 min
Lab File: BF091031.D
Acq: 4 Nov 2016 20:12

Instrument :
BNA_F
ClientSampleId :
SB-106-0.5-5.0

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.4	18.4	27.6
203	21.0	15.0	22.6

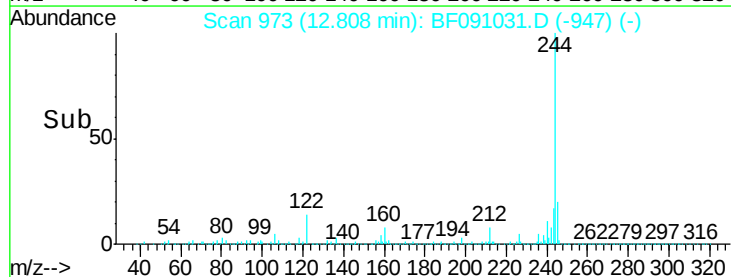
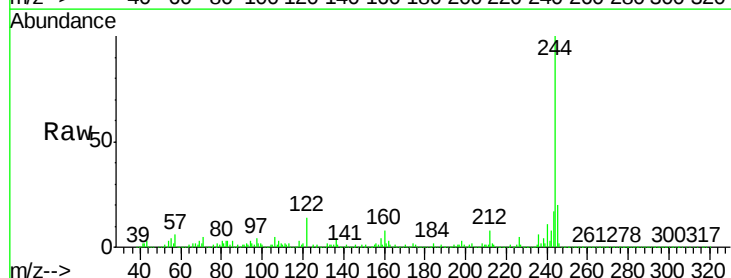
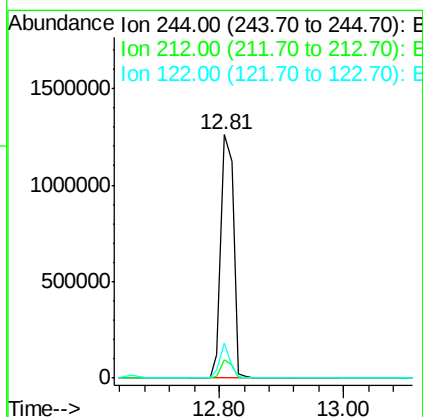
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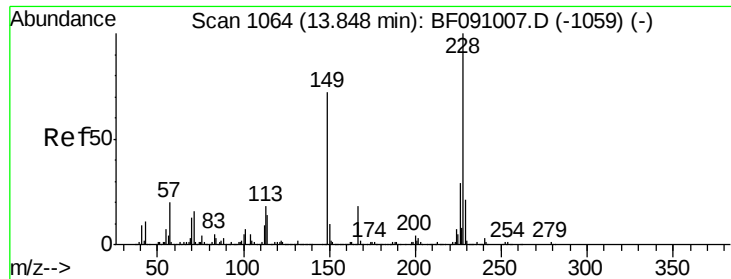
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#78
Terphenyl-d14
Concen: 87.40 ng
RT: 12.81 min Scan# 973
Delta R.T. 0.00 min
Lab File: BF091031.D
Acq: 4 Nov 2016 20:12

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.4	9.6
122	14.3	12.3	18.5





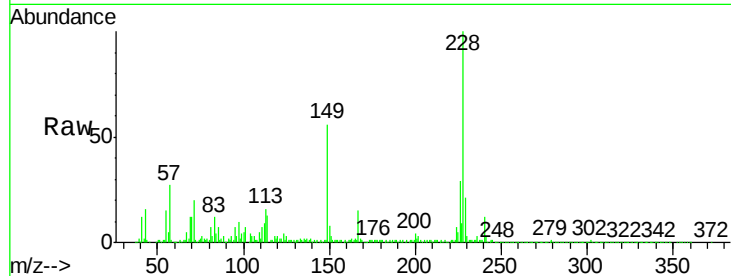
#80
Benzo(a)anthracene
Concen: 29.49 ng
RT: 13.85 min Scan# 1064
Delta R.T. 0.00 min
Lab File: BF091031.D
Acq: 4 Nov 2016 20:12

Instrument :
BNA_F
ClientSampleId :
SB-106-0.5-5.0

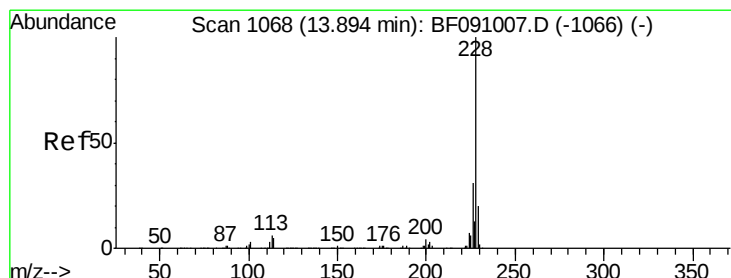
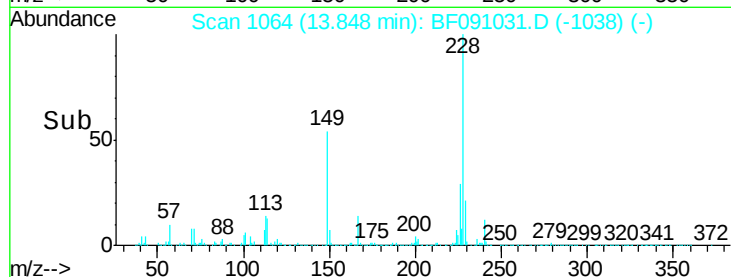
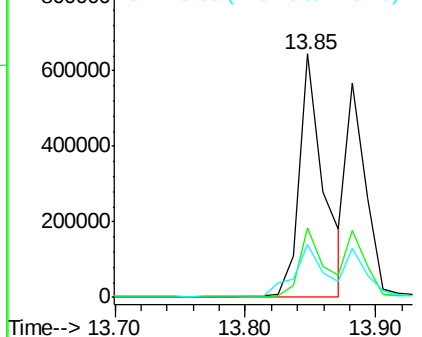
Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.8	23.0	34.6
229	21.5	16.6	24.8

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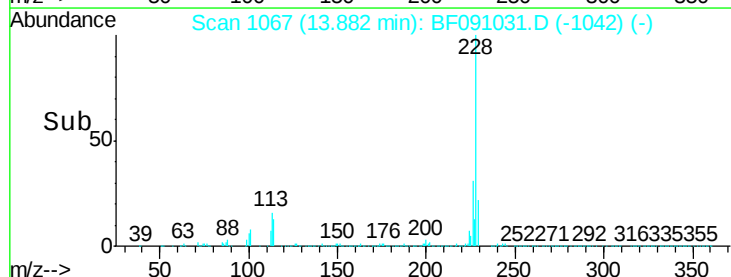
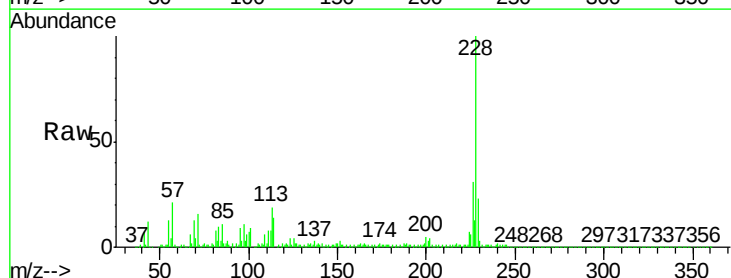
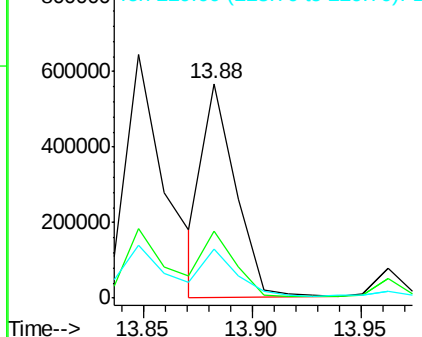
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

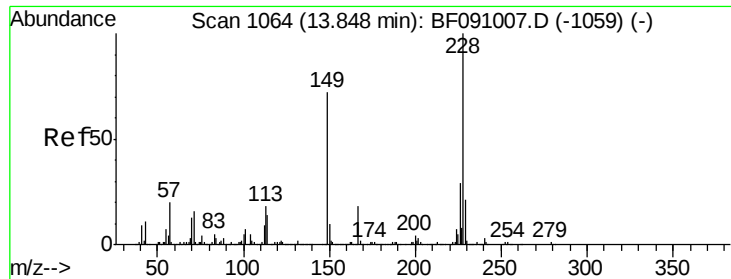


#82
Chrysene
Concen: 20.99 ng
RT: 13.88 min Scan# 1067
Delta R.T. -0.01 min
Lab File: BF091031.D
Acq: 4 Nov 2016 20:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.9	37.3
229	23.1	15.9	23.9

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





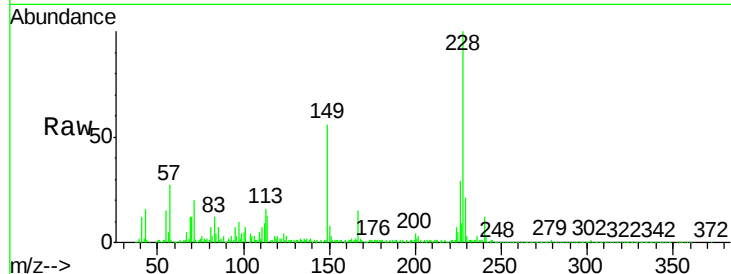
#83
Bis(2-ethylhexyl)phthalate
Concen: 22.27 ng
RT: 13.85 min Scan# 1064
Delta R.T. 0.00 min
Lab File: BF091031.D
Acq: 4 Nov 2016 20:12

Instrument :
BNA_F
ClientSampleId :
SB-106-0.5-5.0

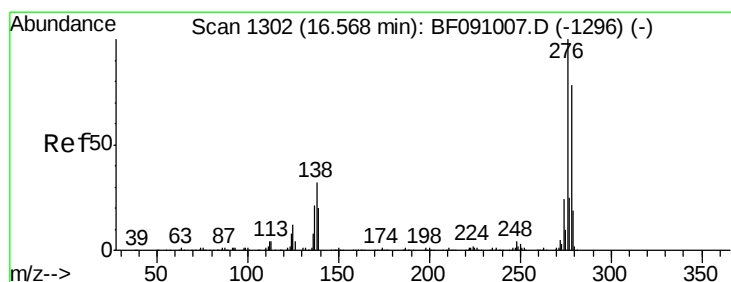
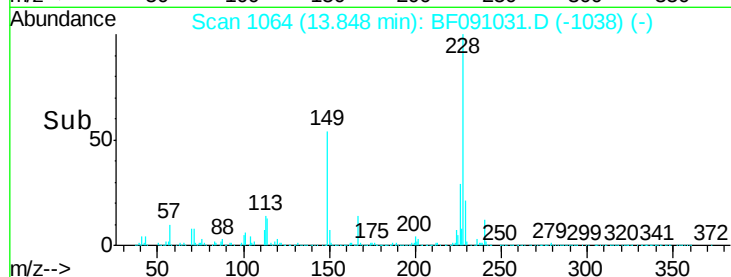
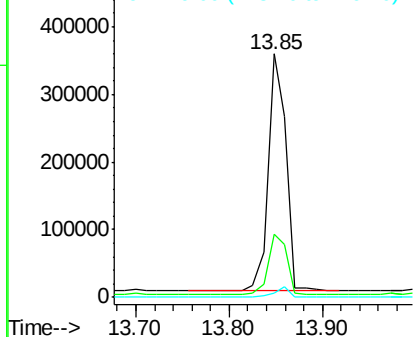
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	472912		
167	26.0	20.4	30.6	
279	1.9	1.6	2.4	

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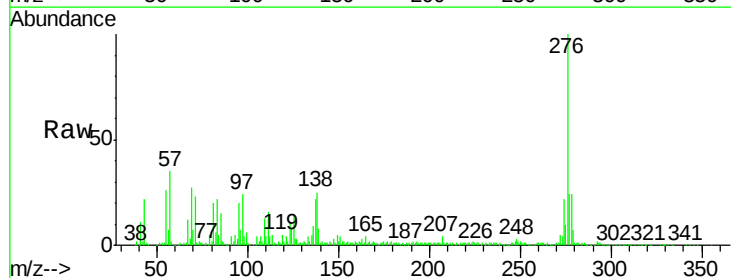


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

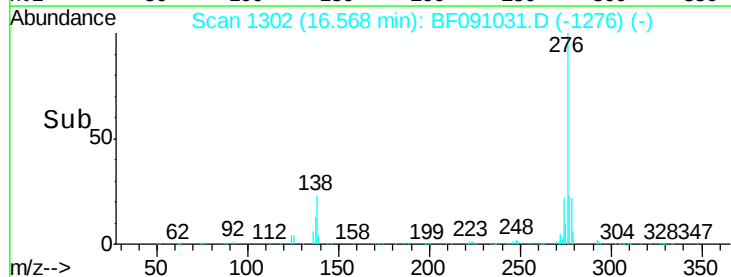
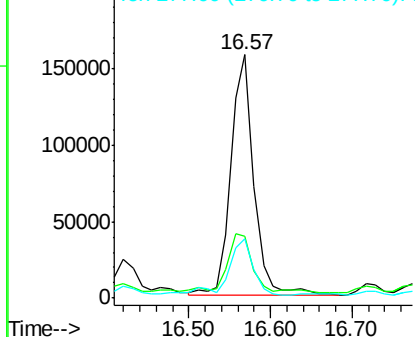


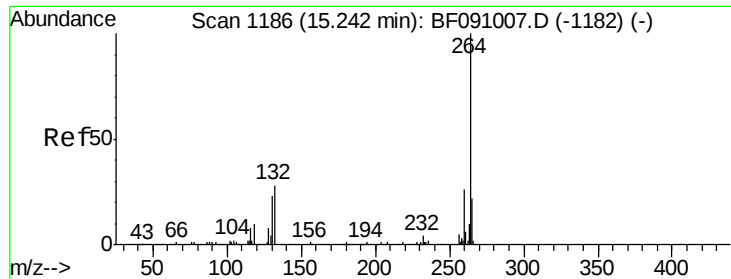
#85
Indeno(1,2,3-cd)pyrene
Concen: 13.29 ng
RT: 16.57 min Scan# 1302
Delta R.T. 0.00 min
Lab File: BF091031.D
Acq: 4 Nov 2016 20:12

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	309257		
138	27.1	26.0	39.0	
277	24.9	20.1	30.1	



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





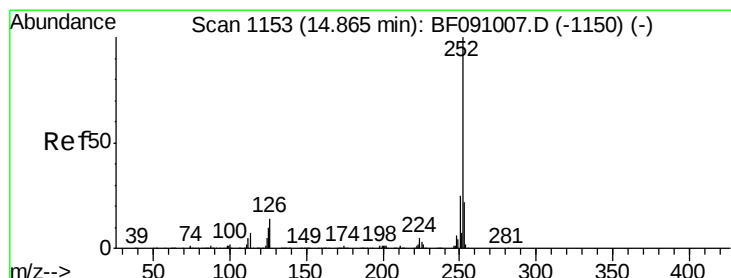
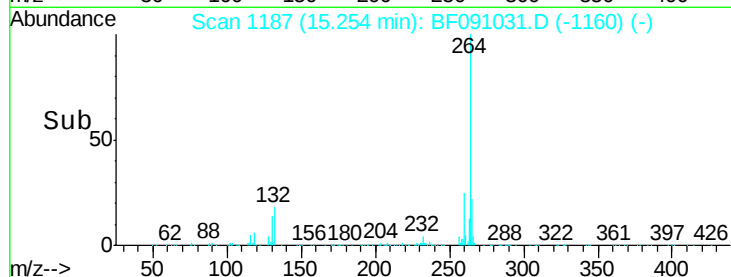
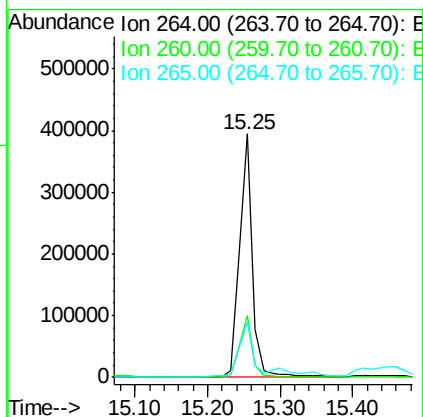
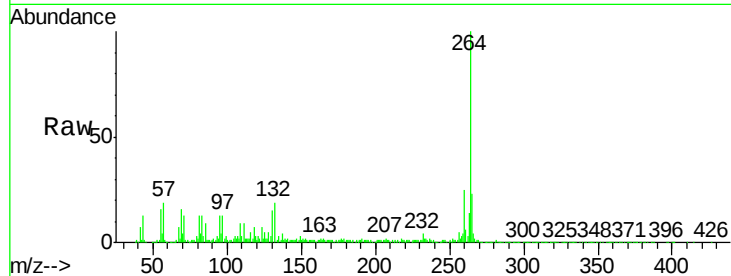
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.25 min Scan# 1187
Delta R.T. 0.01 min
Lab File: BF091031.D
Acq: 4 Nov 2016 20:12

Instrument :
BNA_F
ClientSampled :
SB-106-0.5-5.0

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.3	20.6	30.8
265	22.8	17.8	26.8

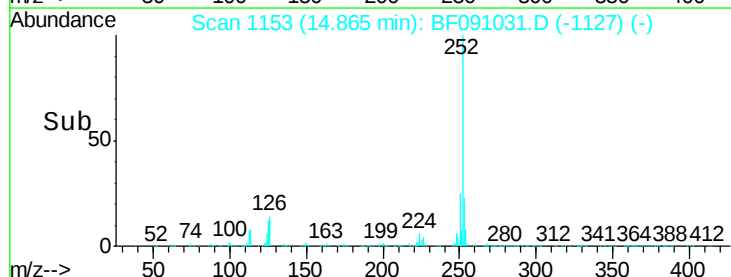
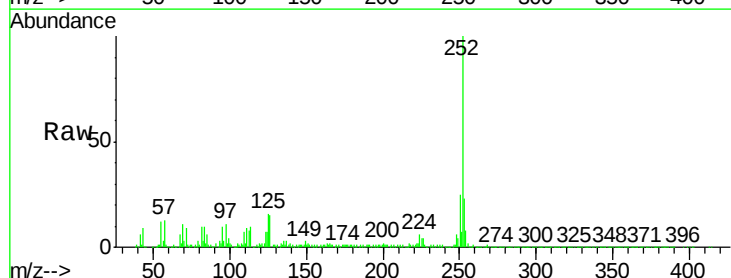
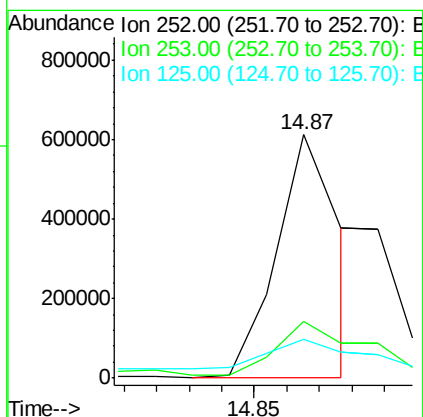
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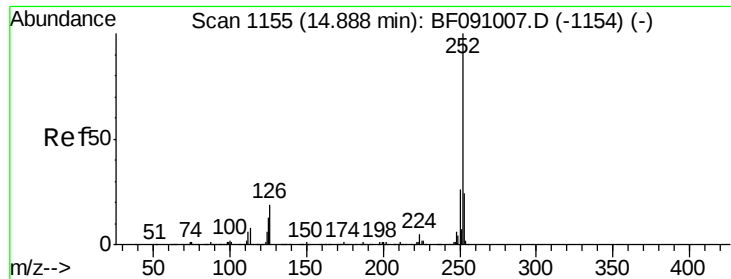
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#87
Benzo(b)fluoranthene
Concen: 25.59 ng m
RT: 14.87 min Scan# 1153
Delta R.T. 0.00 min
Lab File: BF091031.D
Acq: 4 Nov 2016 20:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.0	27.0
125	15.9	8.3	12.5#





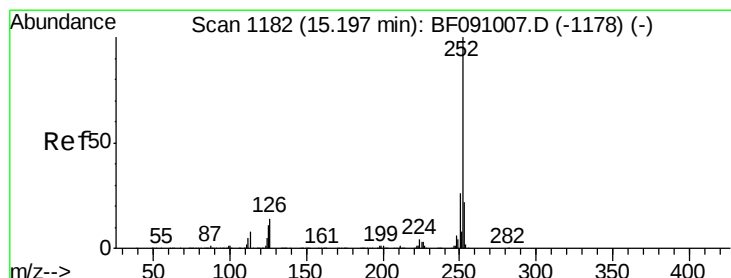
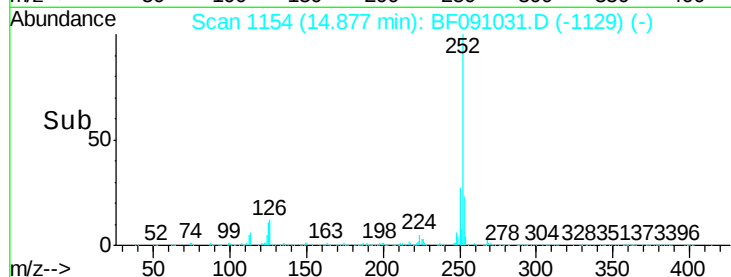
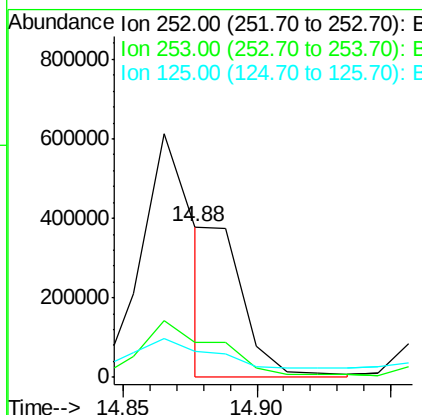
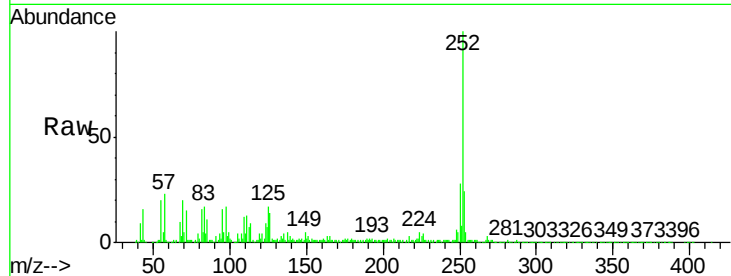
#88
Benzo(k)fluoranthene
Concen: 11.72 ng m
RT: 14.88 min Scan# 1154
Delta R.T. -0.01 min
Lab File: BF091031.D
Acq: 4 Nov 2016 20:12

Instrument :
BNA_F
ClientSampleId :
SB-106-0.5-5.0

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.6	28.0
125	17.4	11.2	16.8

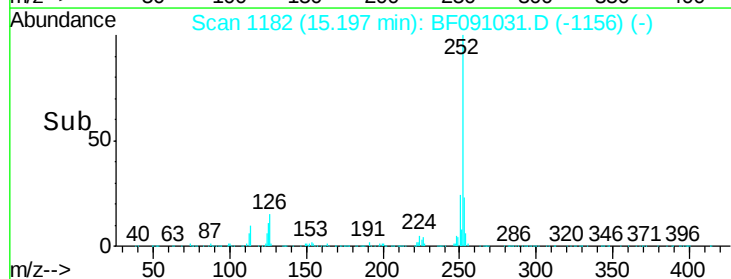
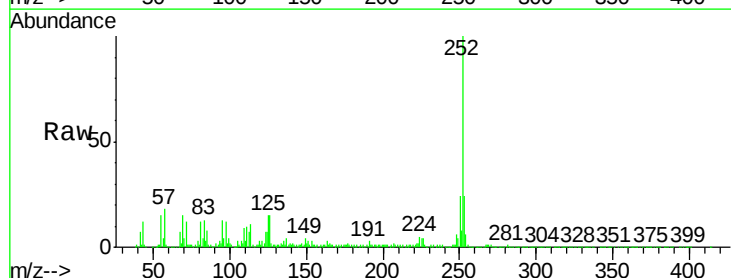
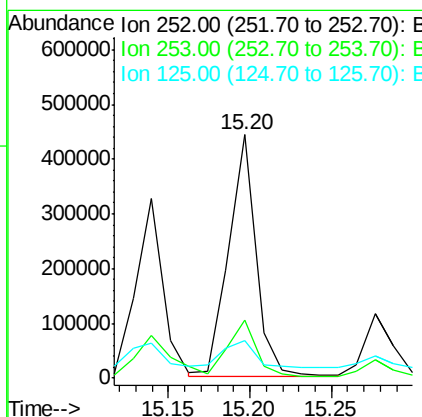
Manual Integrations
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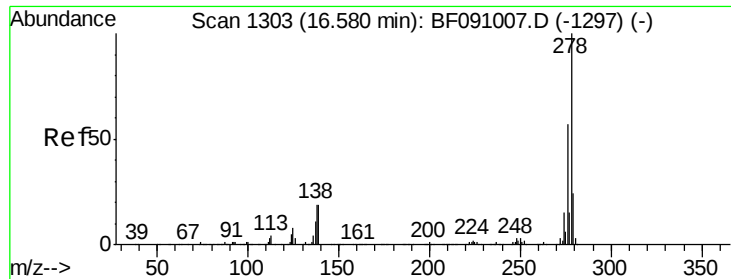
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#89
Benzo(a)pyrene
Concen: 18.34 ng
RT: 15.20 min Scan# 1182
Delta R.T. 0.00 min
Lab File: BF091031.D
Acq: 4 Nov 2016 20:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.8
125	15.2	8.6	13.0





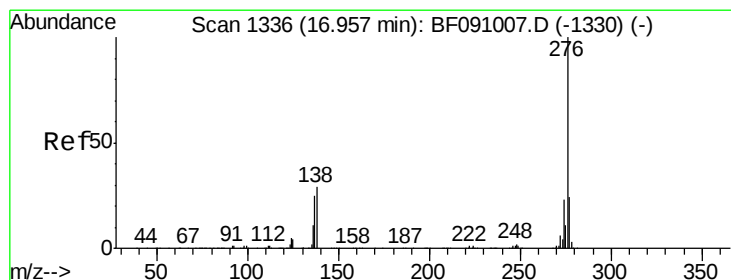
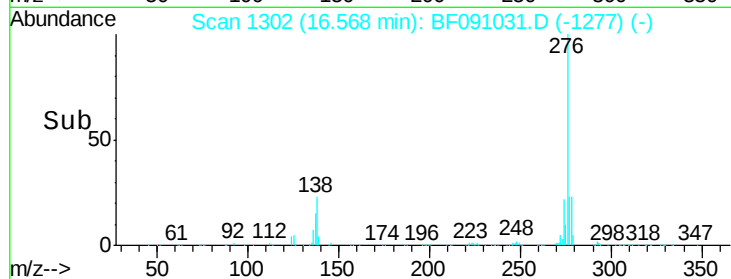
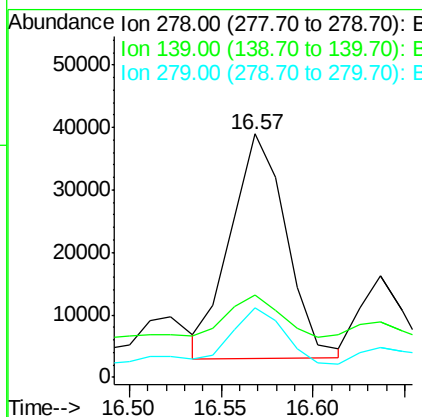
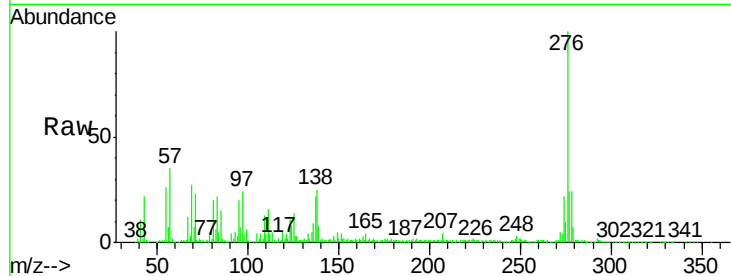
#90
Dibenzo(a,h)anthracene
Concen: 3.13 ng m
RT: 16.57 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF091031.D
Acq: 4 Nov 2016 20:12

Instrument :
BNA_F
ClientSampled :
SB-106-0.5-5.0

Tgt Ion	Ratio	Lower	Upper
278	100		
139	34.0	15.3	22.9#
279	28.7	19.3	28.9

Manual Integrations
APPROVED

sohil
11/7/2016 4:39:56 PM



#91
Benzo(g,h,i)perylene
Concen: 11.60 ng
RT: 16.96 min Scan# 1336
Delta R.T. 0.00 min
Lab File: BF091031.D
Acq: 4 Nov 2016 20:12

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.2	28.8
138	30.0	23.3	34.9

