

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110716\
 Data File : BF091072.D
 Acq On : 7 Nov 2016 22:40
 Operator : UM/SJ
 Sample : H5526-03DL 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-99-1.0-1.5DL

Manual Integrations
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Quant Time: Nov 08 12:08:41 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 08 00:06:22 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	132230	20.00	ng	0.00
21) Naphthalene-d8	7.96	136	500722	20.00	ng	0.00
38) Acenaphthene-d10	9.71	164	247065	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	396888	20.00	ng	0.00
75) Chrysene-d12	13.84	240	403330	20.00	ng	0.01
86) Perylene-d12	15.22	264	378048	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	316072	39.48	ng	0.00
7) Phenol-d6	6.33	99	356390	32.79	ng	0.00
23) Nitrobenzene-d5	7.24	82	122336	13.33	ng	0.00
41) 2,4,6-Tribromophenol	10.50	330	60794	27.22	ng	-0.01
44) 2-Fluorobiphenyl	9.04	172	369954	25.78	ng	-0.01
78) Terphenyl-d14	12.77	244	325496	20.14	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.44	163	103107	6.36	ng	99
70) Phenanthrene	11.22	178	807758	38.29	ng	99
71) Anthracene	11.26	178	141188	6.29	ng	97
72) Carbazole	11.44	167	84290	4.17	ng	# 95
74) Fluoranthene	12.41	202	1468610	67.12	ng	96
77) Pyrene	12.64	202	1326158	50.21	ng	99
80) Benzo(a)anthracene	13.83	228	738720	32.26	ng	99
82) Chrysene	13.86	228	671268m	29.73	ng	
85) Indeno(1,2,3-cd)pyrene	16.52	276	429446	22.92	ng	# 87
87) Benzo(b)fluoranthene	14.83	252	1163164m	45.36	ng	
88) Benzo(k)fluoranthene	14.85	252	119618m	5.32	ng	
89) Benzo(a)pyrene	15.16	252	620016	27.78	ng	97
90) Dibenzo(a,h)anthracene	16.52	278	111707	5.79	ng	94
91) Benzo(g,h,i)perylene	16.90	276	373512	21.40	ng	95

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

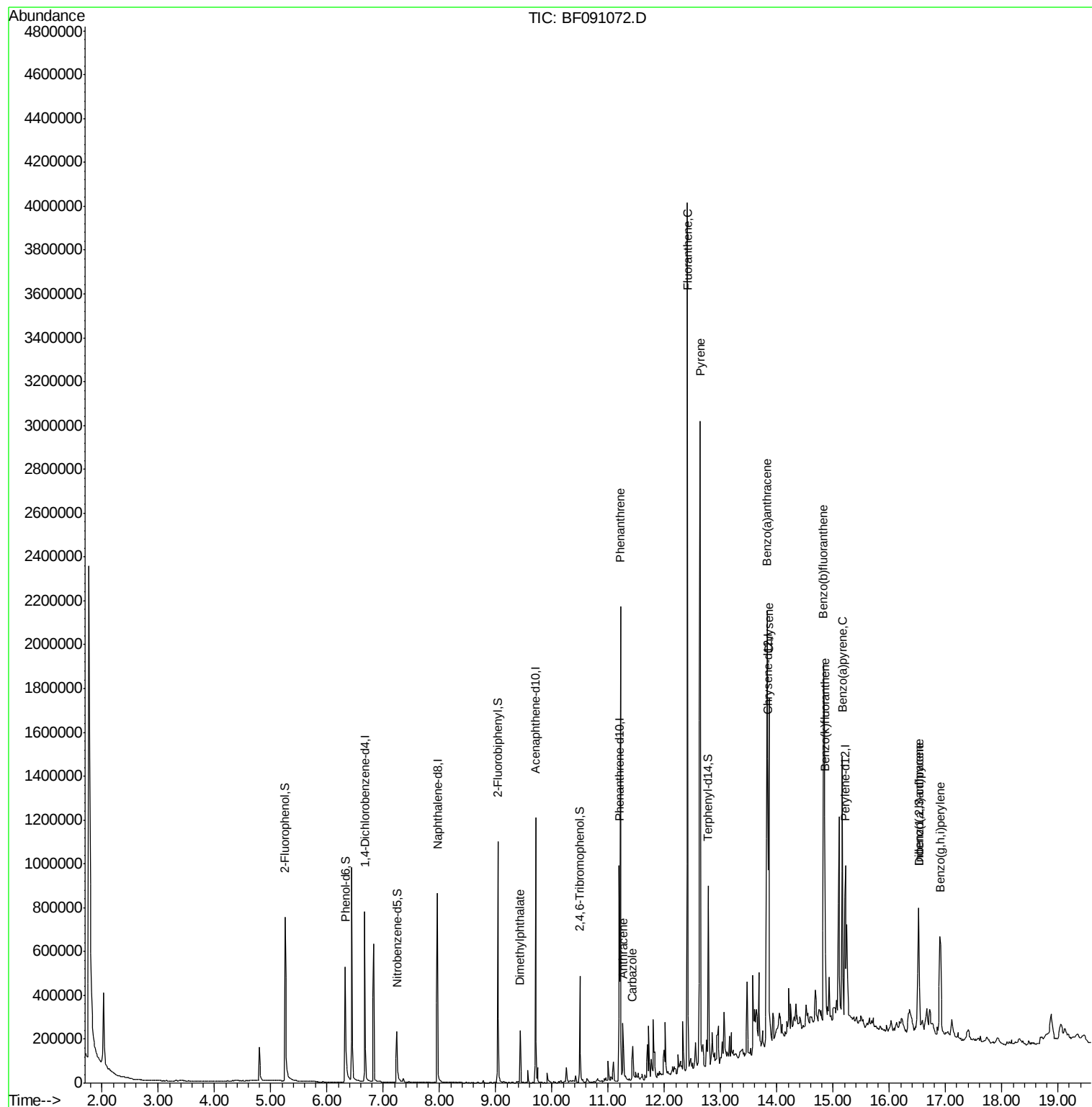
Data Path : Z:\HPCHEM1\BNA F\DATA\BF110716\
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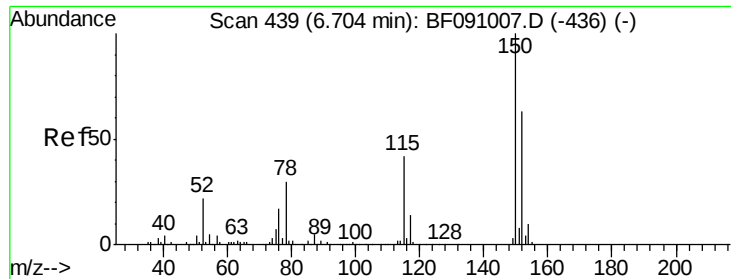
Instrument :
BNA_F
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SB-99-1.0-1.5DL

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Quant Time: Nov 08 12:08:41 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

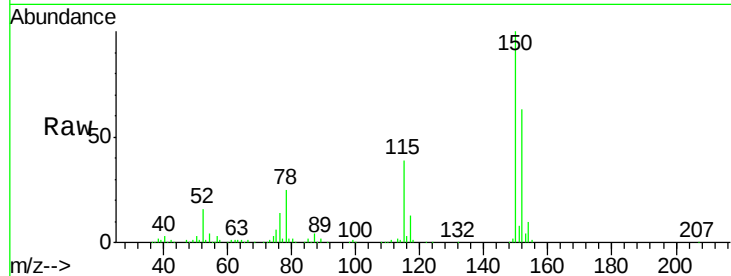
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.67 min Scan# 436
Delta R.T. 0.00 min
Lab File: BF091072.D
Acq: 7 Nov 2016 22:40

Instrument :
BNA_F
ClientSampleId :
SB-99-1.0-1.5DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.7	126.8	190.2
115	61.1	53.3	79.9

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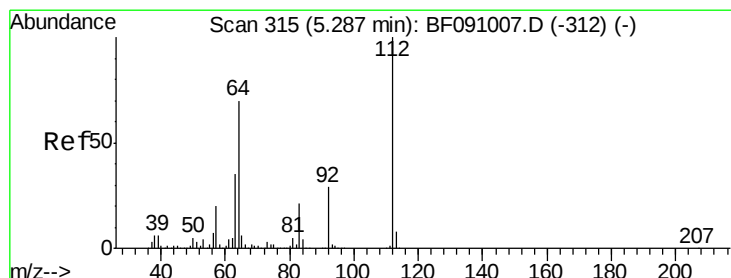
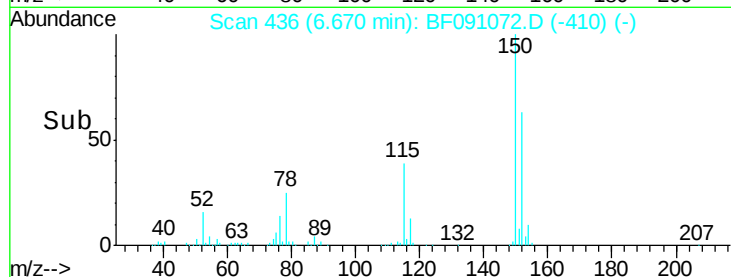
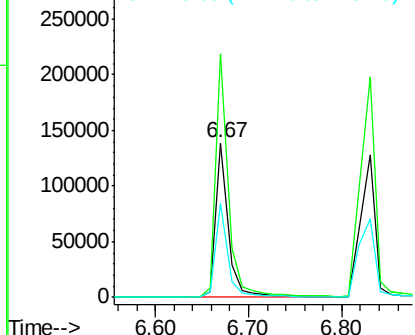


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

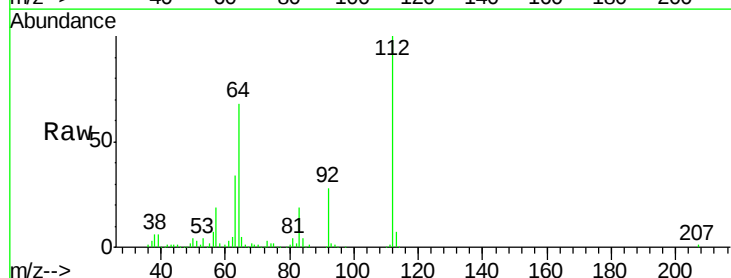
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 39.48 ng
RT: 5.25 min Scan# 312
Delta R.T. 0.00 min
Lab File: BF091072.D
Acq: 7 Nov 2016 22:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.0	55.8	83.6
63	33.5	28.0	42.0

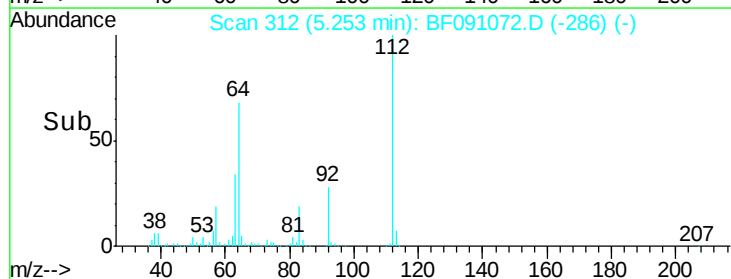
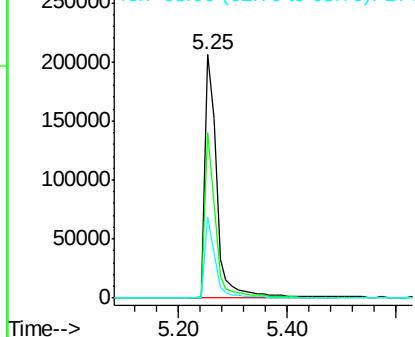


Abundance

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: 32.79 ng

RT: 6.33 min Scan# 406

Delta R.T. 0.00 min

Lab File: BF091072.D

Acq: 7 Nov 2016 22:40

Instrument :

BNA_F

ClientSampleId :

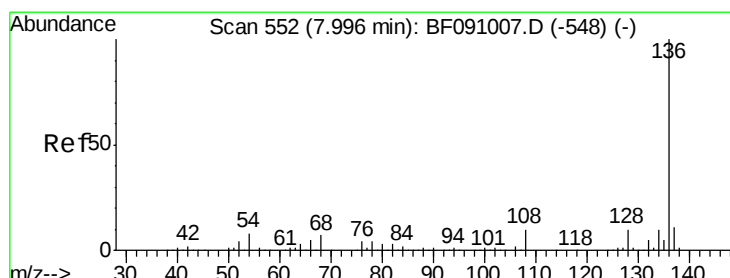
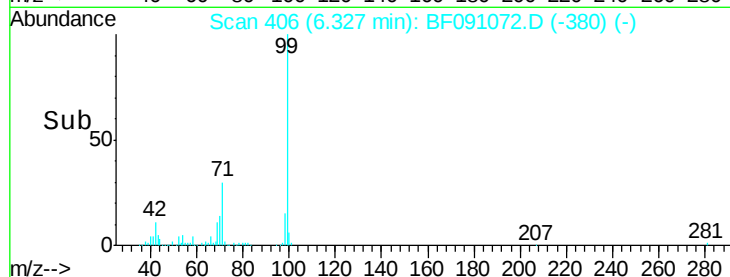
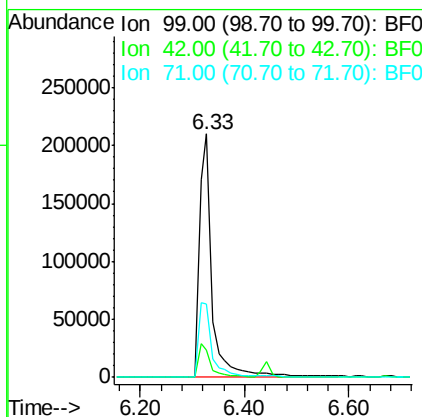
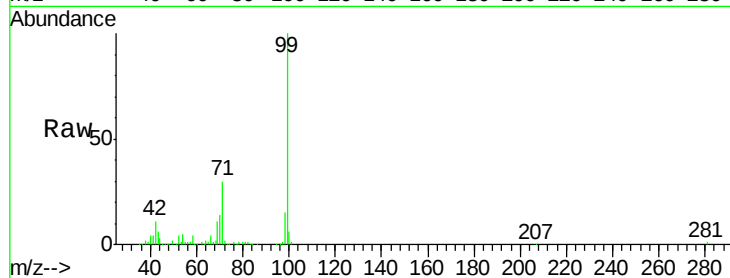
SB-99-1.0-1.5DL

Tot Ion: 99 Resp: 356390

Ion	Ratio	Lower	Upper
99	100		
42	11.2	13.9	20.9#
71	30.3	27.8	41.8

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.96 min Scan# 549

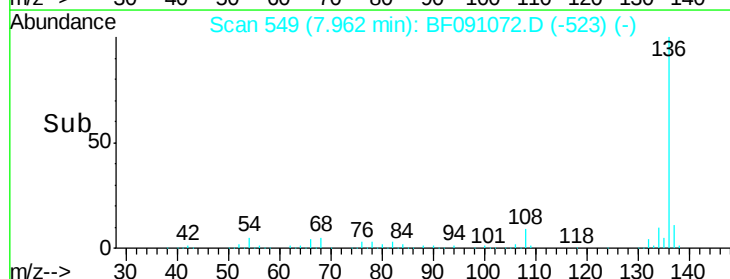
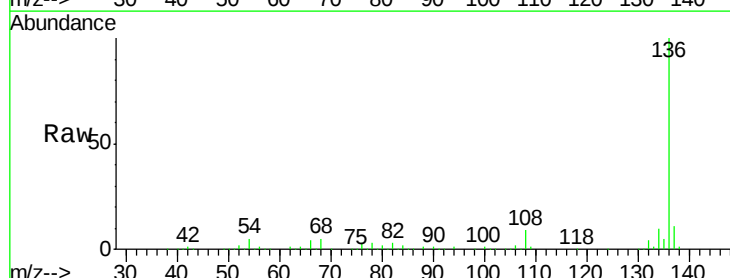
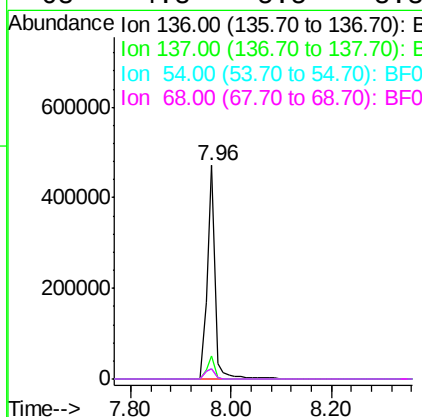
Delta R.T. 0.00 min

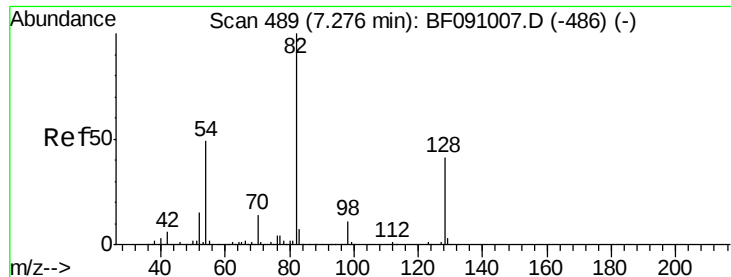
Lab File: BF091072.D

Acq: 7 Nov 2016 22:40

Tgt Ion: 136 Resp: 500722

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	4.7	6.2	9.2#
68	4.8	5.5	8.3#





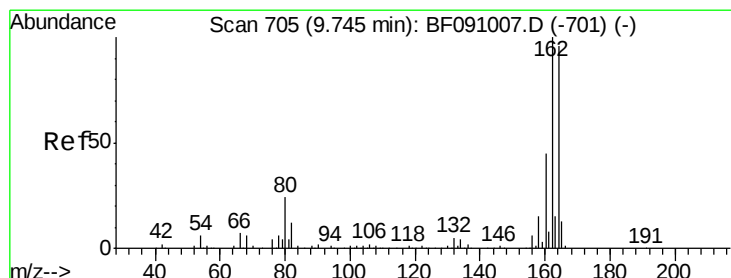
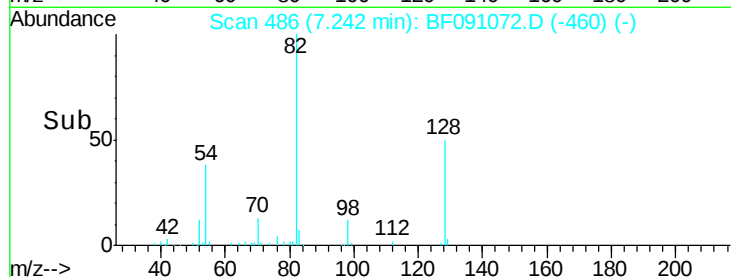
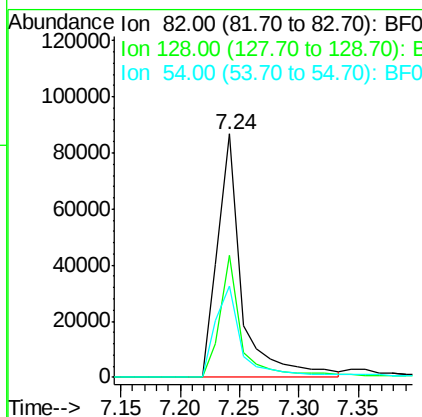
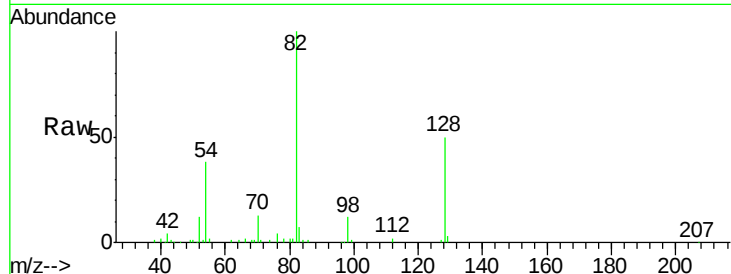
#23
 Nitrobenzene-d5
 Concen: 13.33 ng
 RT: 7.24 min Scan# 486
 Delta R.T. 0.00 min
 Lab File: BF091072.D
 Acq: 7 Nov 2016 22:40

Instrument :
 BNA_F
 ClientSampleId :
 SB-99-1.0-1.5DL

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	50.2	32.4	48.6#	
54	37.7	39.2	58.8#	

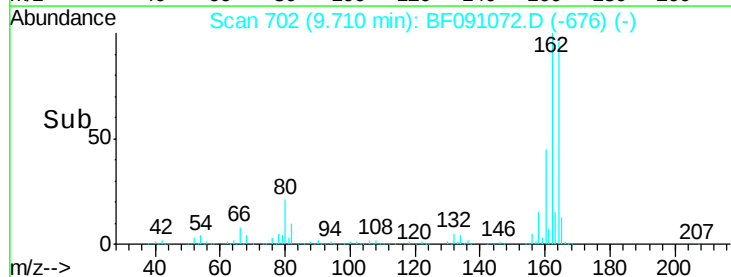
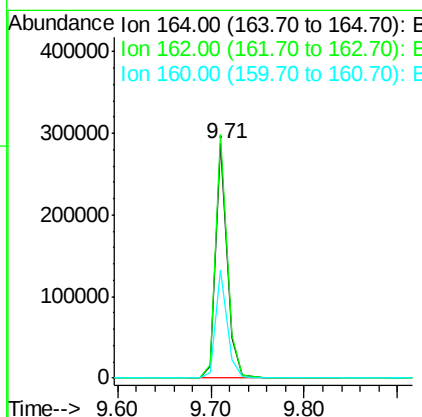
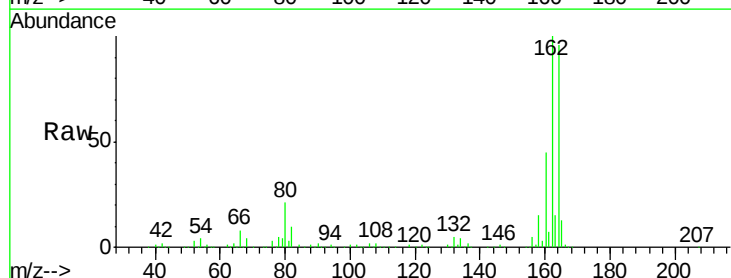
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.71 min Scan# 702
 Delta R.T. 0.00 min
 Lab File: BF091072.D
 Acq: 7 Nov 2016 22:40

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.0	83.6	125.4	
160	46.3	37.9	56.9	





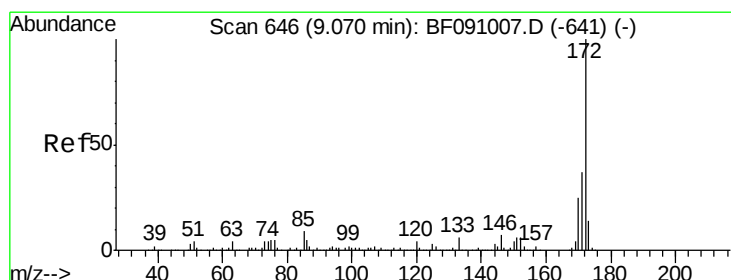
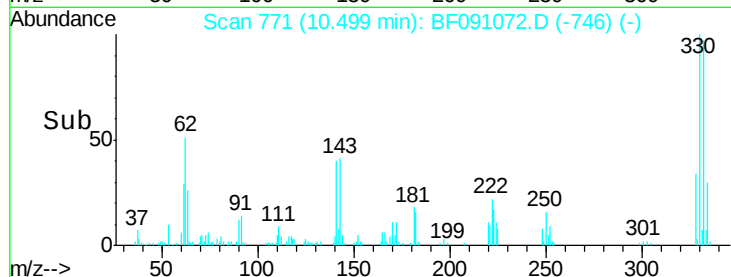
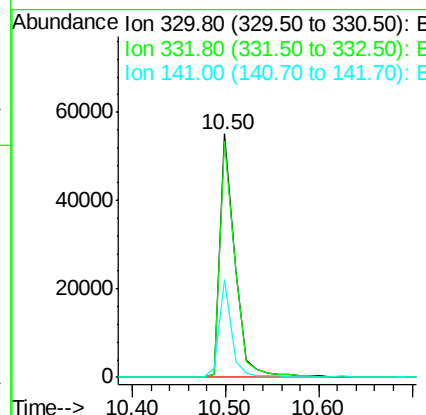
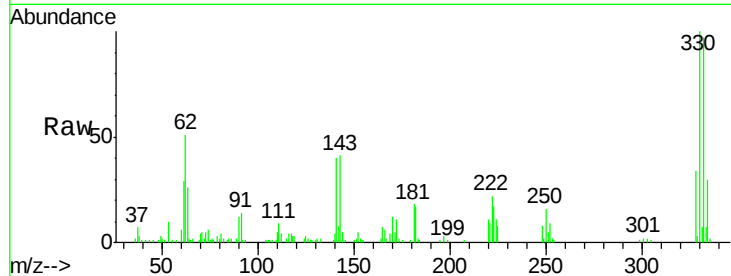
#41
 2,4,6-Tribromophenol
 Concen: 27.22 ng
 RT: 10.50 min Scan# 771
 Delta R.T. -0.01 min
 Lab File: BF091072.D
 Acq: 7 Nov 2016 22:40

Instrument :
 BNA_F
 ClientSampled :
 SB-99-1.0-1.5DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	75.9	113.9
141	33.6	36.1	54.1

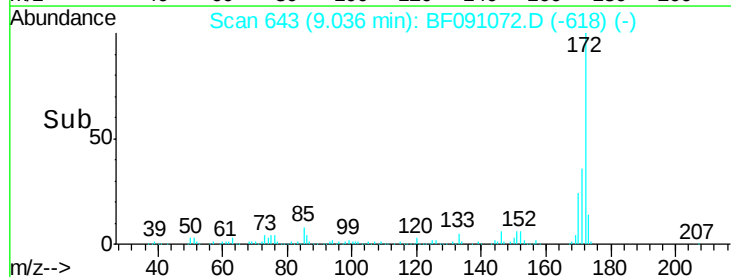
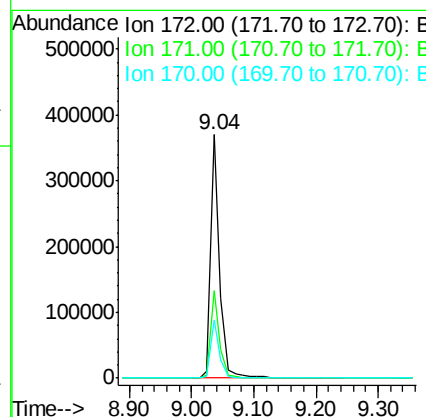
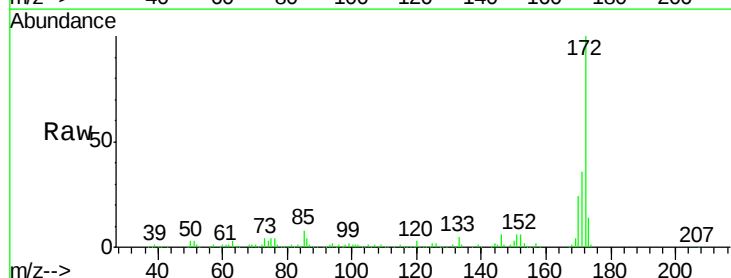
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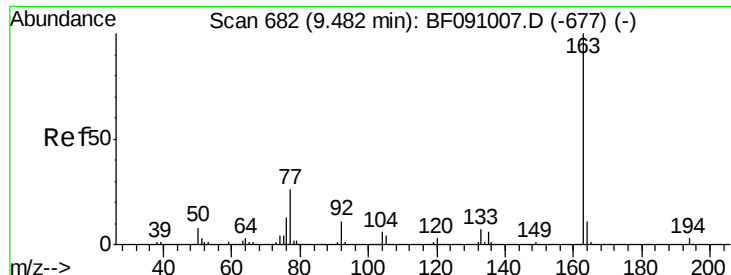
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#44
 2-Fluorobiphenyl
 Concen: 25.78 ng
 RT: 9.04 min Scan# 643
 Delta R.T. -0.01 min
 Lab File: BF091072.D
 Acq: 7 Nov 2016 22:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.8	44.6
170	24.0	20.3	30.5





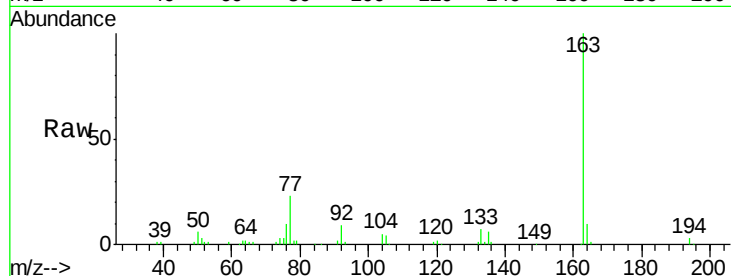
#49
Dimethylphthalate
Concen: 6.36 ng
RT: 9.44 min Scan# 678
Delta R.T. -0.02 min
Lab File: BF091072.D
Acq: 7 Nov 2016 22:40

Instrument :
BNA_F
ClientSampleId :
SB-99-1.0-1.5DL

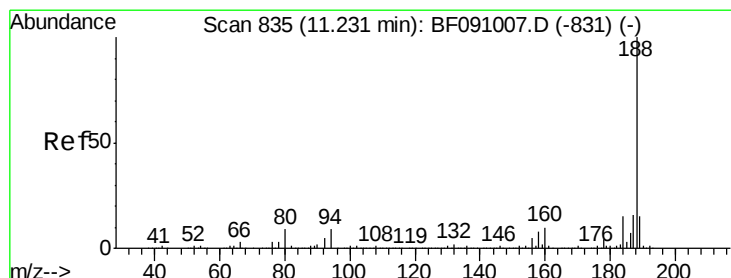
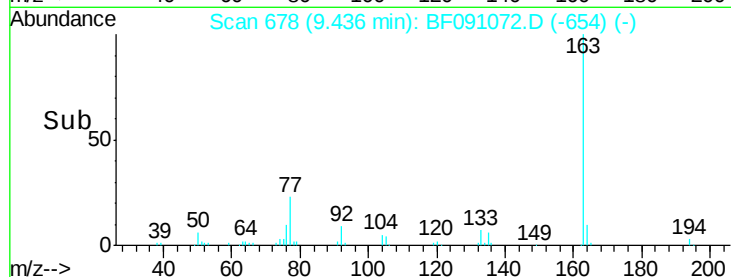
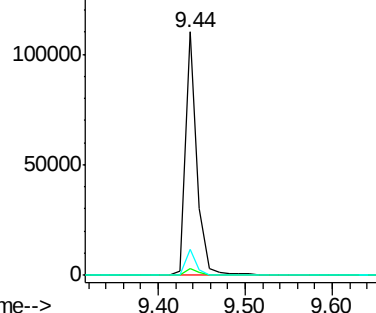
Tot Ion	Ratio	Resp	Lower	Upper
163	100	103107		
194	2.9	2.6	4.0	
164	10.5	8.7	13.1	

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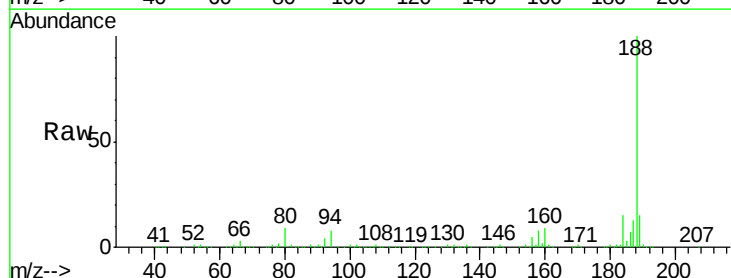


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

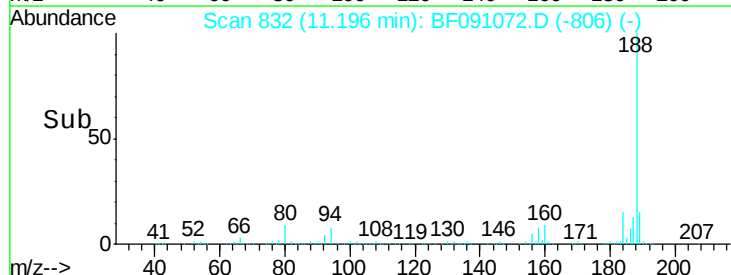
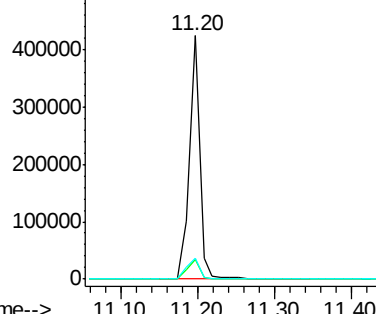


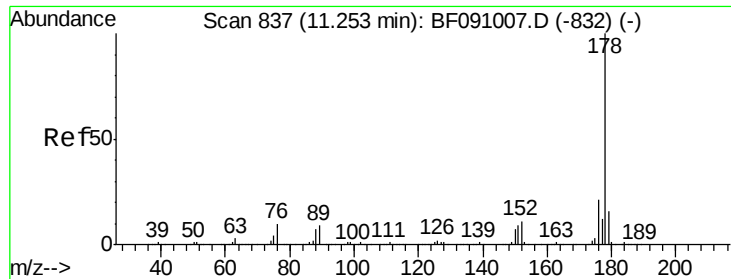
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.20 min Scan# 832
Delta R.T. 0.00 min
Lab File: BF091072.D
Acq: 7 Nov 2016 22:40

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	396888		
94	8.1	7.0	10.4	
80	8.5	7.5	11.3	



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





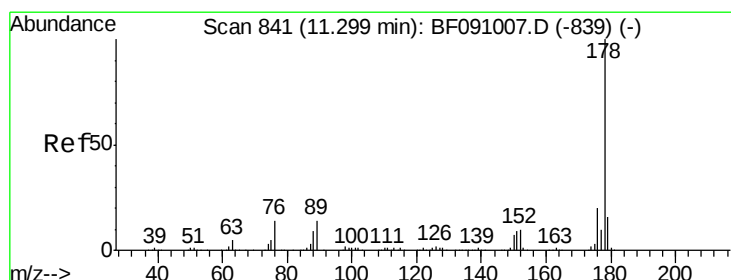
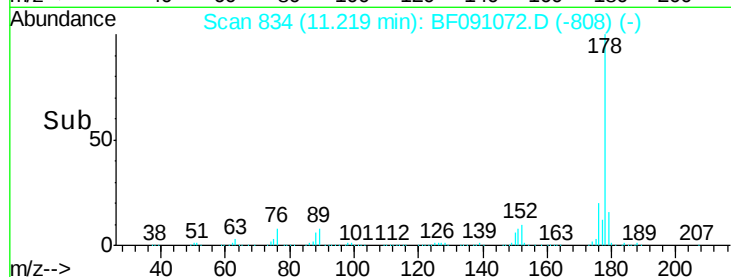
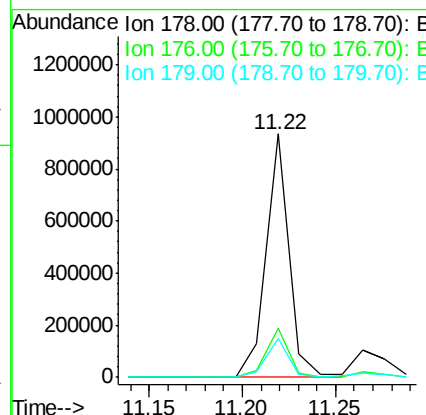
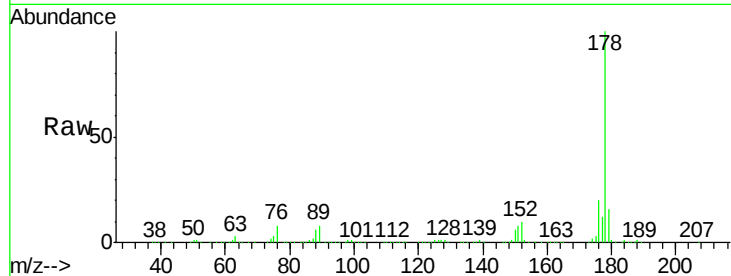
#70
Phenanthrene
Concen: 38.29 ng
RT: 11.22 min Scan# 834
Delta R.T. 0.00 min
Lab File: BF091072.D
Acq: 7 Nov 2016 22:40

Instrument :
BNA_F
ClientSampleId :
SB-99-1.0-1.5DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.6	25.0
179	15.8	12.9	19.3

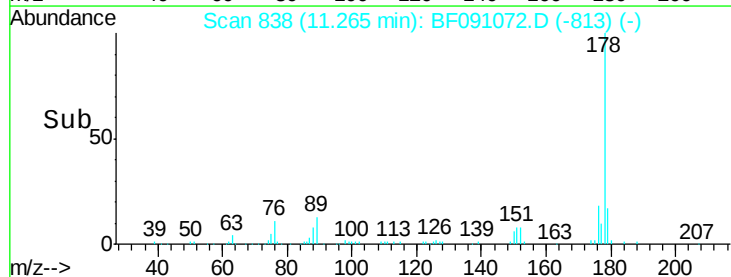
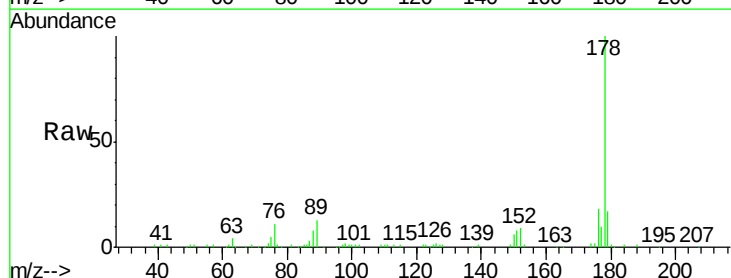
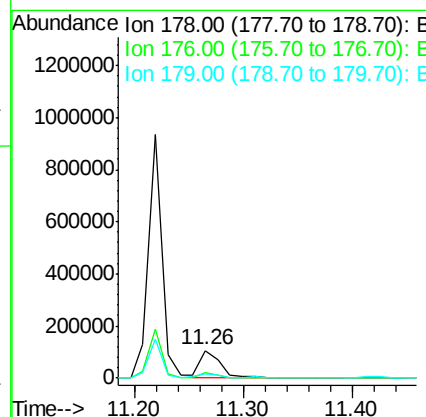
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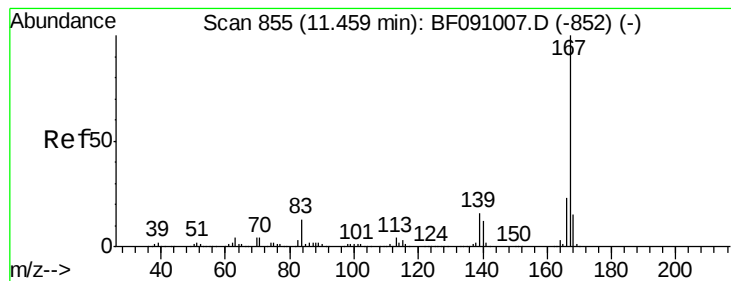
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#71
Anthracene
Concen: 6.29 ng
RT: 11.26 min Scan# 838
Delta R.T. -0.01 min
Lab File: BF091072.D
Acq: 7 Nov 2016 22:40

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	16.0	24.0
179	17.1	13.0	19.6





#72

Carbazole

Concen: 4.17 ng

RT: 11.44 min Scan# 853

Delta R.T. 0.00 min

Lab File: BF091072.D

Acq: 7 Nov 2016 22:40

Instrument :

BNA_F

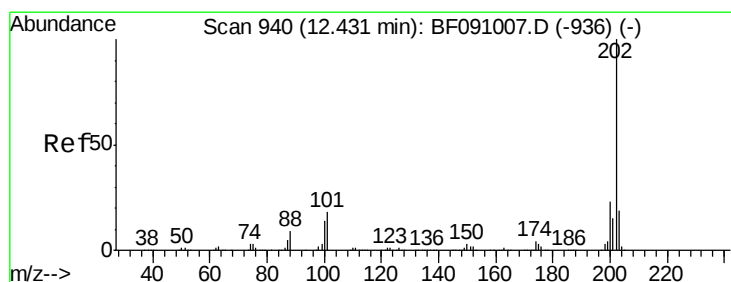
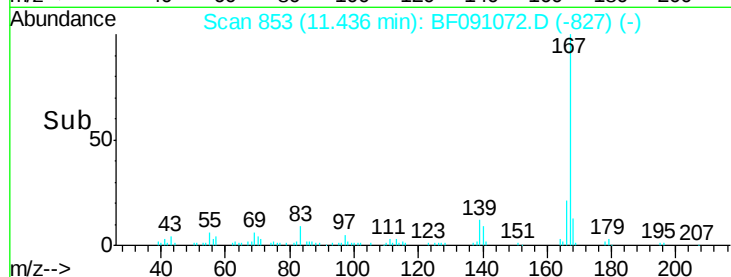
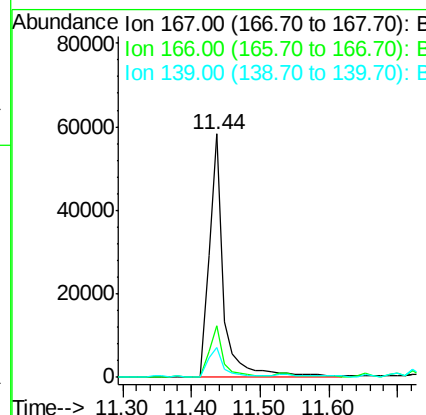
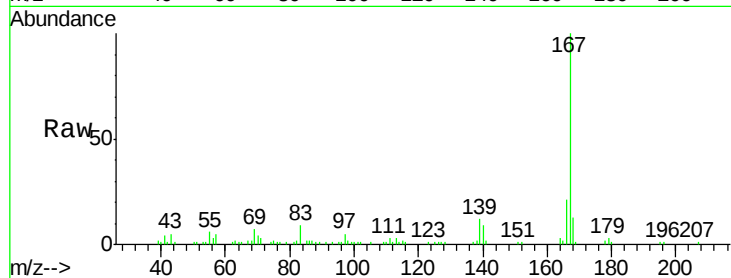
ClientSampleId :

SB-99-1.0-1.5DL

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.1	18.0	27.0
139	12.2	12.6	18.8

Manual Integrations
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#74

Fluoranthene

Concen: 67.12 ng

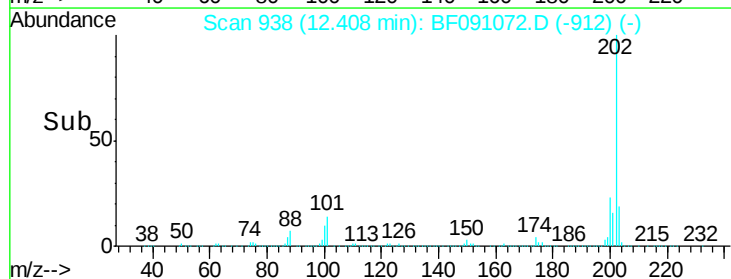
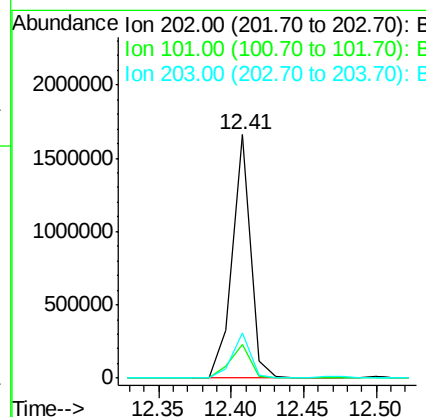
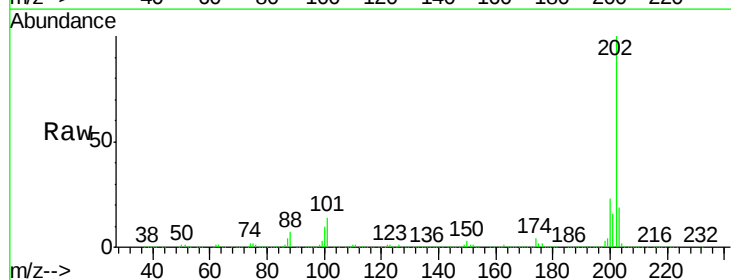
RT: 12.41 min Scan# 938

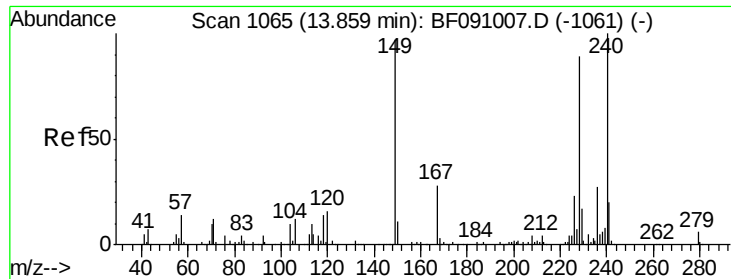
Delta R.T. 0.00 min

Lab File: BF091072.D

Acq: 7 Nov 2016 22:40

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	37.6
203	18.6	0.0	38.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.84 min Scan# 1063

Delta R.T. 0.01 min

Lab File: BF091072.D

Acq: 7 Nov 2016 22:40

Instrument :

BNA_F

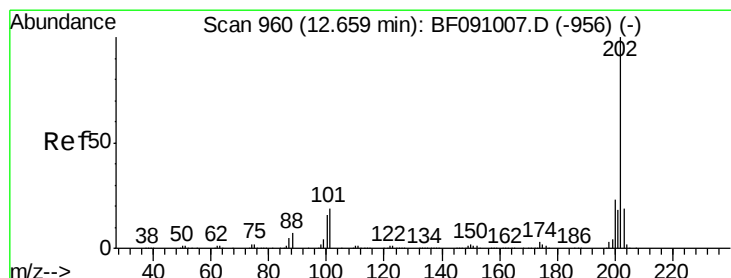
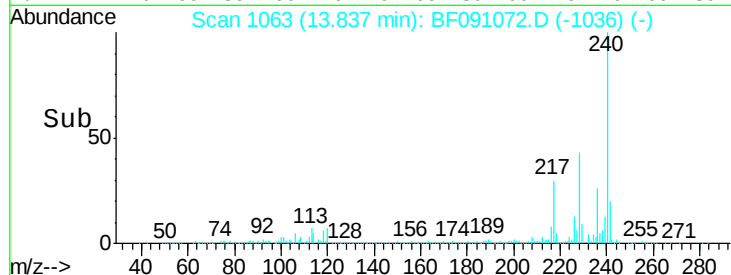
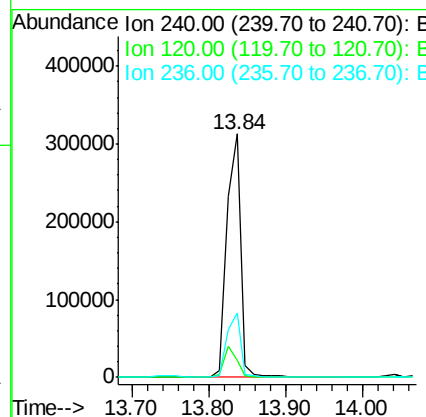
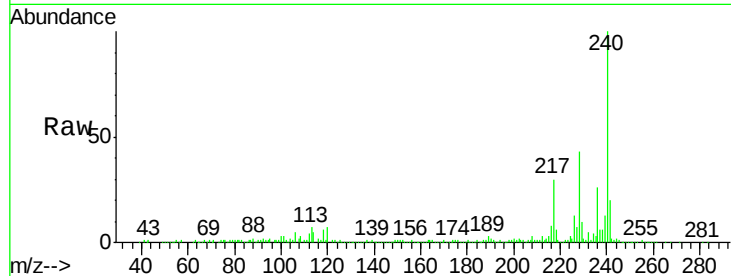
ClientSampleId :

SB-99-1.0-1.5DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	6.9	12.9	19.3#
236	26.4	21.9	32.9

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#77

Pyrene

Concen: 50.21 ng

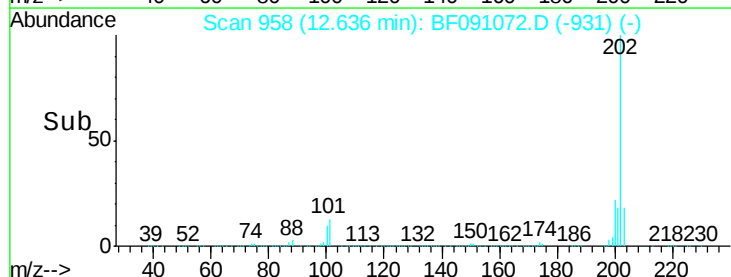
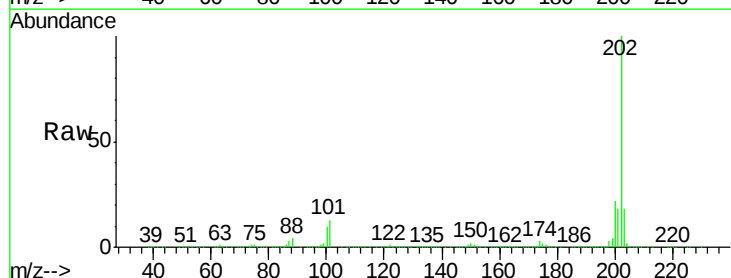
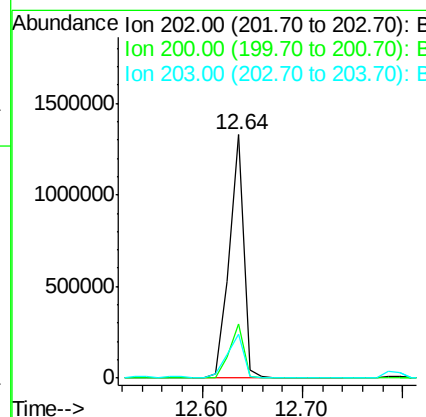
RT: 12.64 min Scan# 958

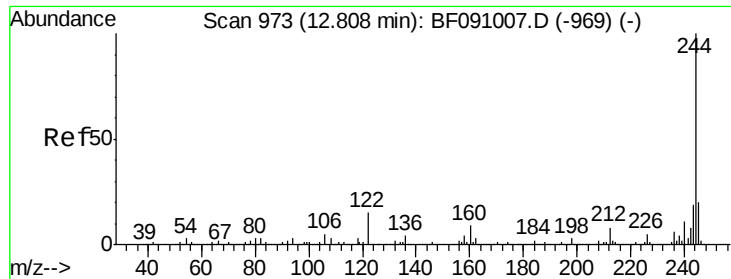
Delta R.T. 0.01 min

Lab File: BF091072.D

Acq: 7 Nov 2016 22:40

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.2	18.4	27.6
203	18.2	15.0	22.6





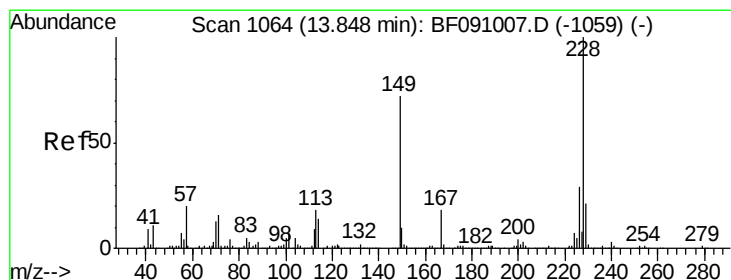
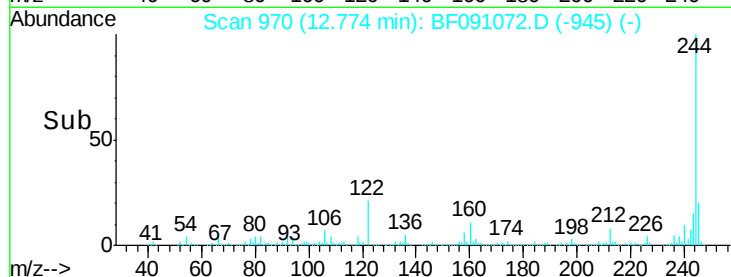
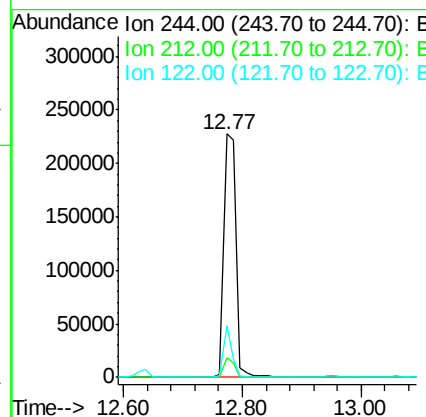
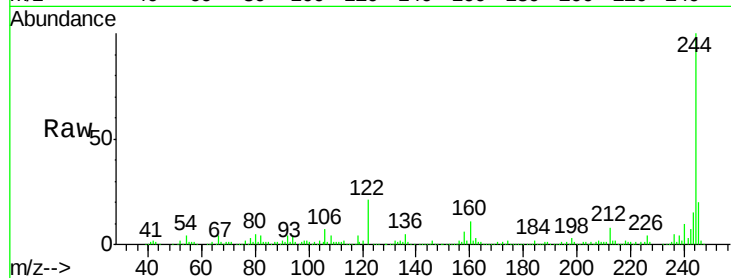
#78
 Terphenyl-d14
 Concen: 20.14 ng
 RT: 12.77 min Scan# 970
 Delta R.T. -0.01 min
 Lab File: BF091072.D
 Acq: 7 Nov 2016 22:40

Instrument :
 BNA_F
 ClientSampleId :
 SB-99-1.0-1.5DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.4	9.6
122	21.0	12.3	18.5

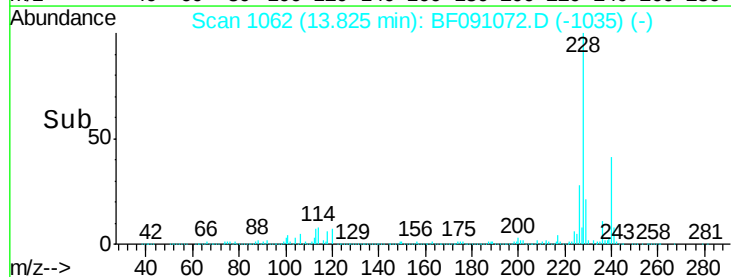
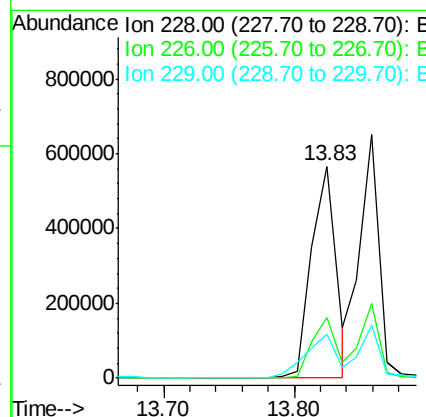
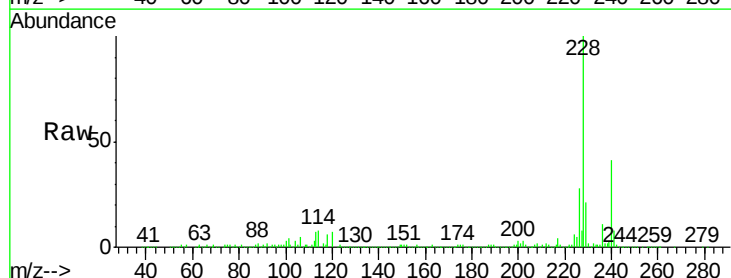
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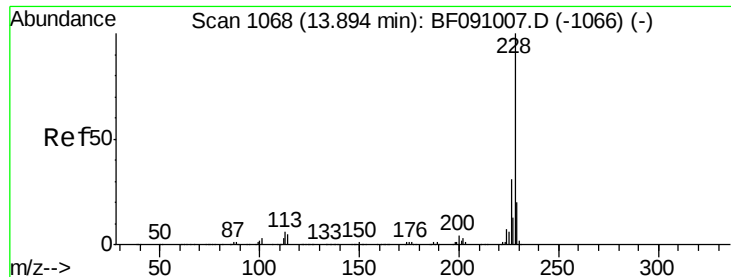
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#80
 Benzo(a)anthracene
 Concen: 32.26 ng
 RT: 13.83 min Scan# 1062
 Delta R.T. 0.01 min
 Lab File: BF091072.D
 Acq: 7 Nov 2016 22:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	23.0	34.6
229	20.7	16.6	24.8





#82

Chrysene

Concen: 29.73 ng/mL

RT: 13.86 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BF091072.D

Acq: 7 Nov 2016 22:40

Instrument :

BNA_F

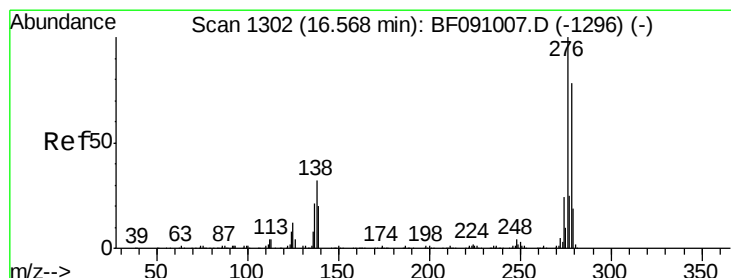
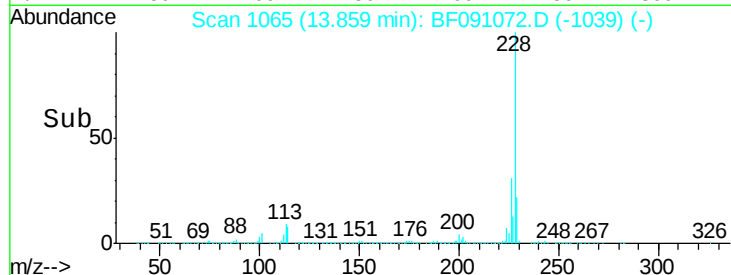
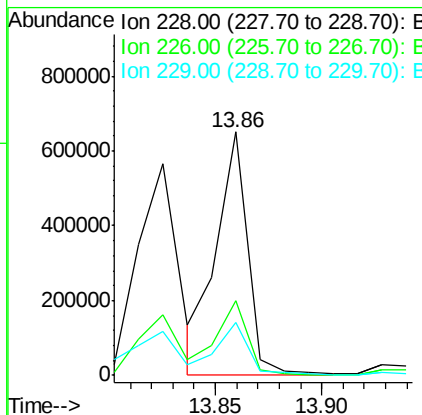
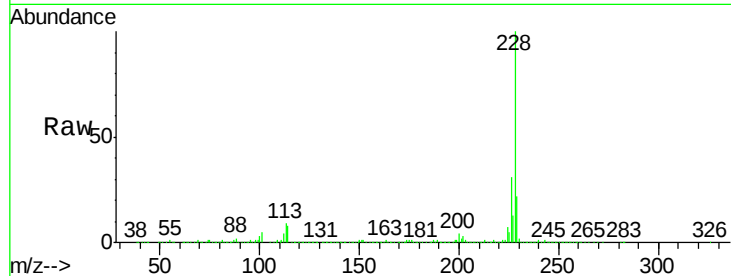
ClientSampled :

SB-99-1.0-1.5DL

Tot Ion:	228	Resp:	671268
Ion Ratio	Lower	Upper	
228	100		
226	30.7	24.9	37.3
229	22.0	15.9	23.9

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#85

Indeno(1,2,3-cd)pyrene

Concen: 22.92 ng/mL

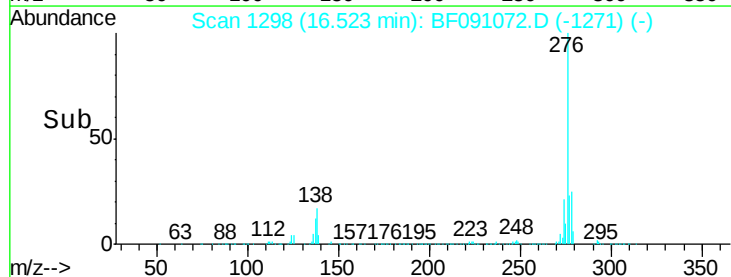
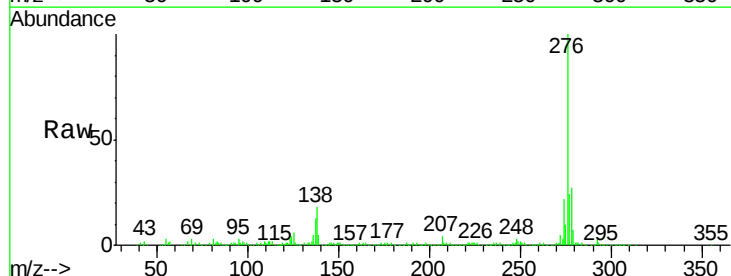
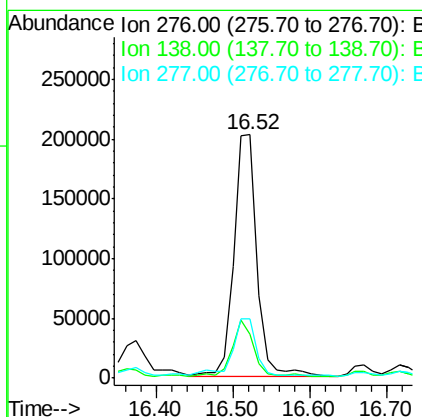
RT: 16.52 min Scan# 1298

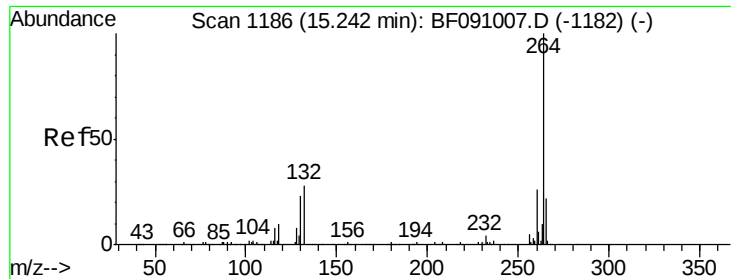
Delta R.T. 0.01 min

Lab File: BF091072.D

Acq: 7 Nov 2016 22:40

Tgt Ion:	276	Resp:	429446
Ion Ratio	Lower	Upper	
276	100		
138	20.6	26.0	39.0#
277	24.5	20.1	30.1





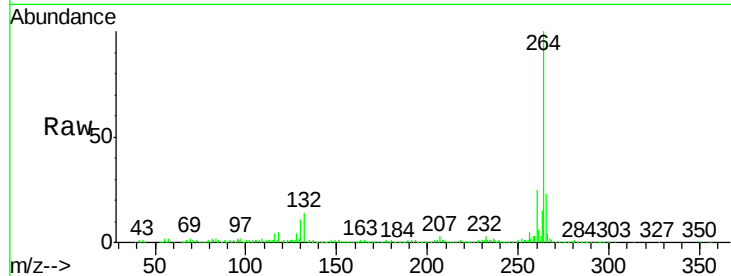
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.22 min Scan# 1184
Delta R.T. 0.01 min
Lab File: BF091072.D
Acq: 7 Nov 2016 22:40

Instrument :
BNA_F
ClientSampleId :
SB-99-1.0-1.5DL

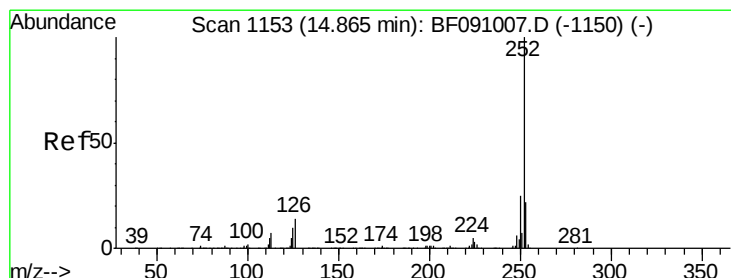
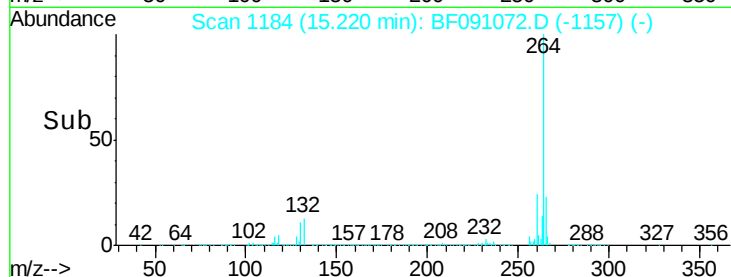
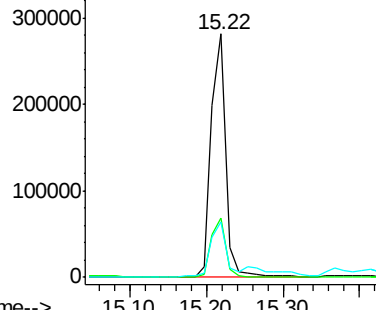
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	20.6	30.8
265	22.9	17.8	26.8

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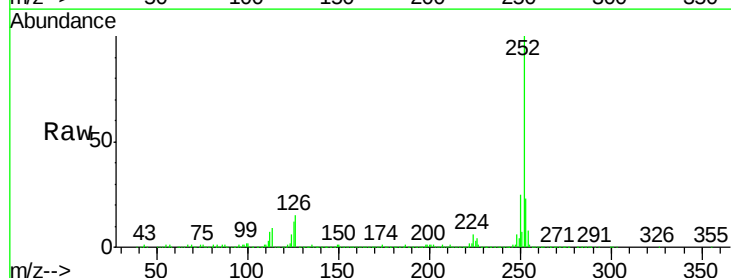


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

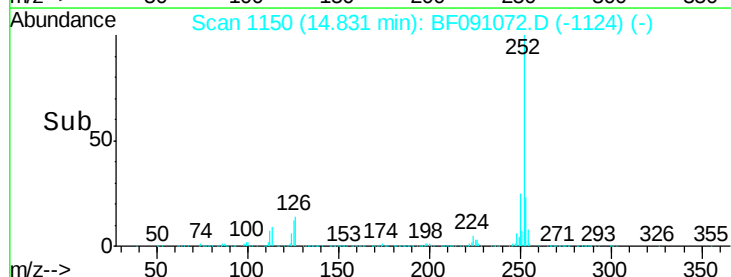
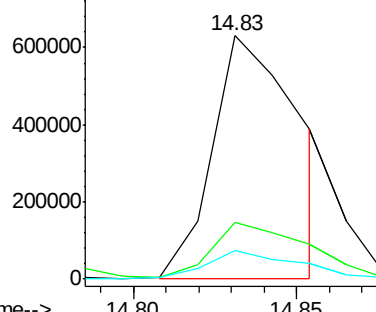


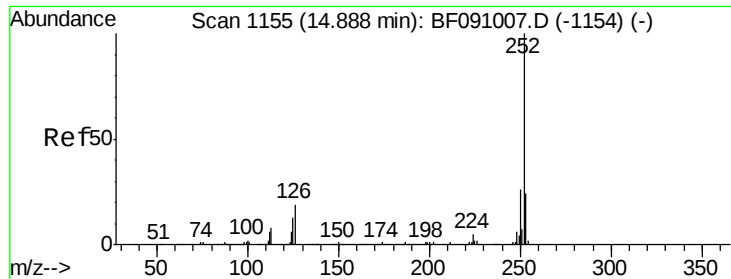
#87
Benzo(b)fluoranthene
Concen: 45.36 ng m
RT: 14.83 min Scan# 1150
Delta R.T. 0.00 min
Lab File: BF091072.D
Acq: 7 Nov 2016 22:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	12.0	8.3	12.5



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





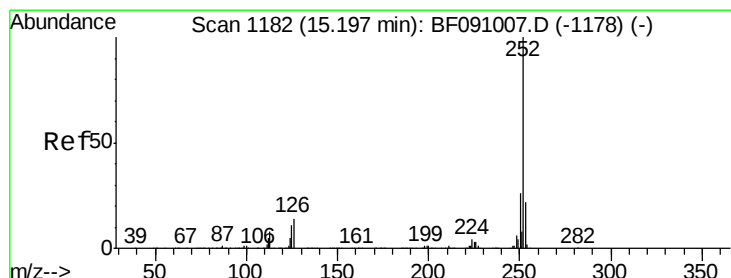
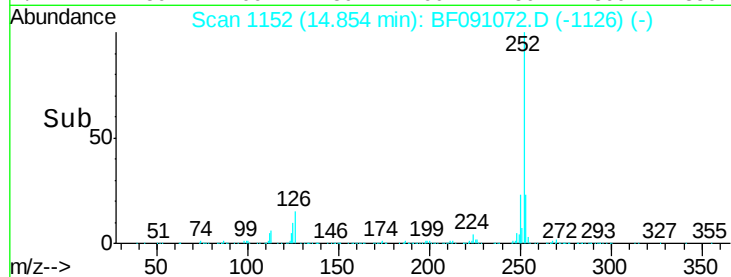
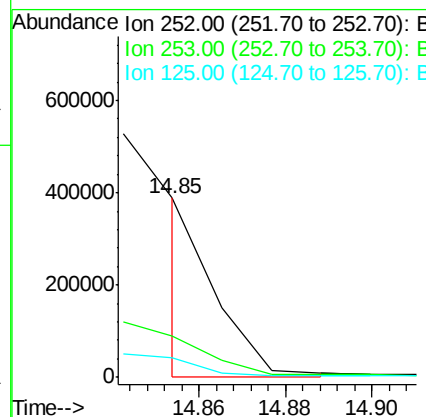
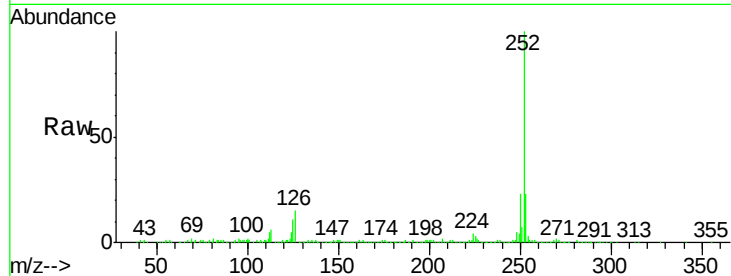
#88
Benzo(k)fluoranthene
Concen: 5.32 ng m
RT: 14.85 min Scan# 1152
Delta R.T. 0.00 min
Lab File: BF091072.D
Acq: 7 Nov 2016 22:40

Instrument :
BNA_F
ClientSampled :
SB-99-1.0-1.5DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.6	28.0
125	10.7	11.2	16.8

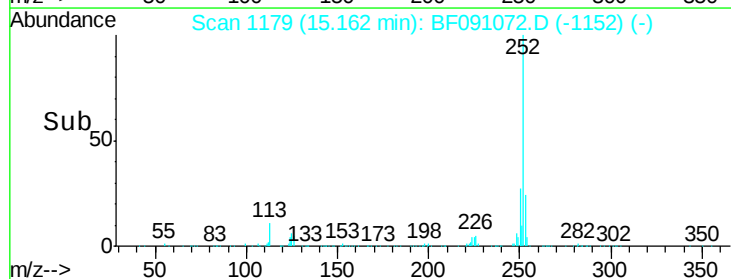
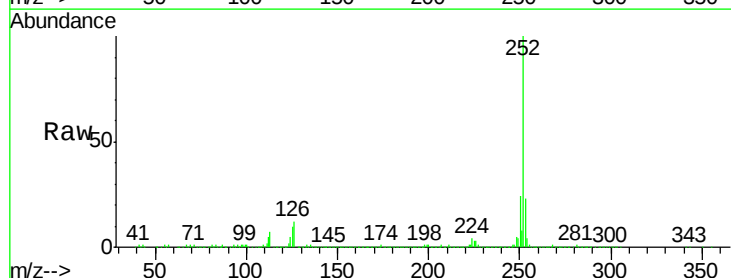
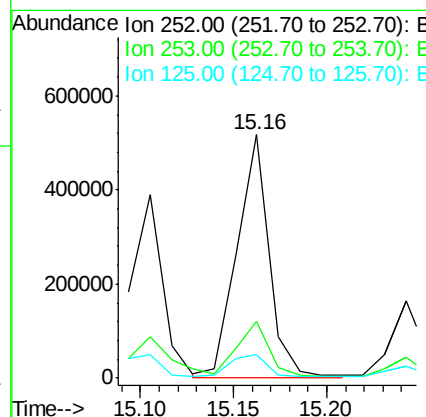
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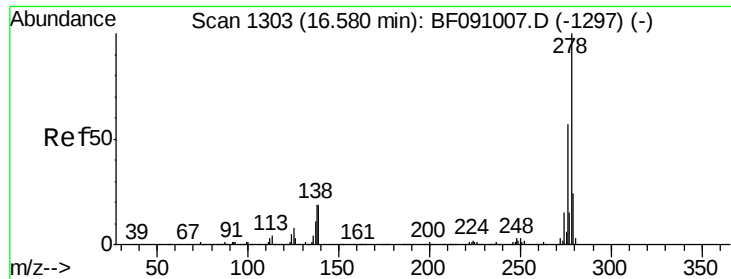
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#89
Benzo(a)pyrene
Concen: 27.78 ng
RT: 15.16 min Scan# 1179
Delta R.T. 0.01 min
Lab File: BF091072.D
Acq: 7 Nov 2016 22:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.8
125	9.5	8.6	13.0





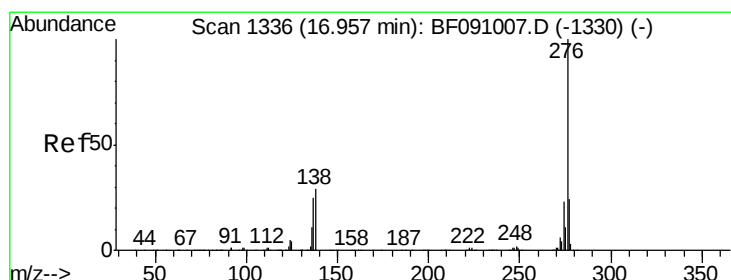
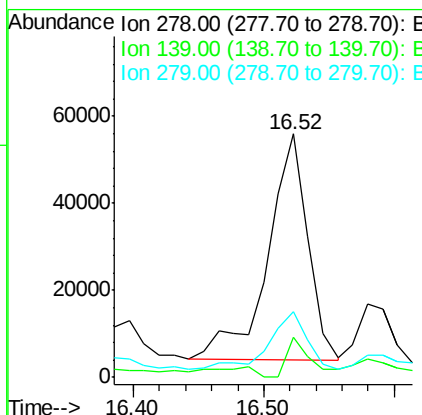
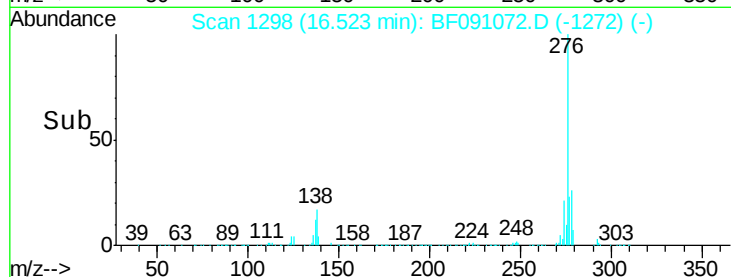
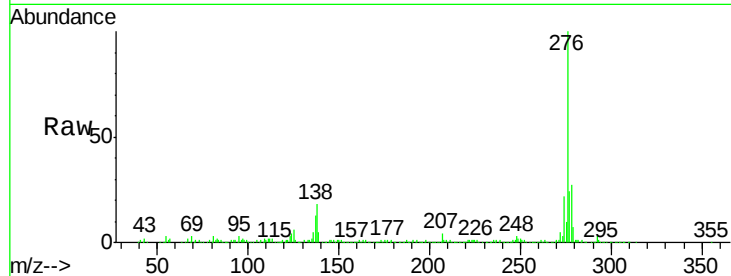
#90
Dibenzo(a,h)anthracene
Concen: 5.79 ng
RT: 16.52 min Scan# 1298
Delta R.T. 0.00 min
Lab File: BF091072.D
Acq: 7 Nov 2016 22:40

Instrument :
BNA_F
ClientSampled :
SB-99-1.0-1.5DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.7	15.3	22.9
279	27.2	19.3	28.9

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#91
Benzo(g,h,i)perylene
Concen: 21.40 ng
RT: 16.90 min Scan# 1331
Delta R.T. 0.01 min
Lab File: BF091072.D
Acq: 7 Nov 2016 22:40

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.2	28.8
138	24.0	23.3	34.9

