

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120617\
 Data File : BF101182.D
 Acq On : 6 Dec 2017 21:46
 Operator : SJ/JU
 Sample : I6640-02 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-11(6-8)-20171129

Manual Integrations
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Quant Time: Dec 07 01:14:49 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 04 13:07:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	43564	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	165534	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	68637	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	110073	20.00	ng	0.00
75) Chrysene-d12	14.03	240	101821	20.00	ng	0.00
86) Perylene-d12	15.50	264	92119	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	126658	48.04	ng	0.00
7) Phenol-d6	6.47	99	145991	45.61	ng	0.00
23) Nitrobenzene-d5	7.41	82	87610	31.57	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	28748	34.87	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	178402	35.56	ng	0.00
78) Terphenyl-d14	12.96	244	126816	27.24	ng	0.00
Target Compounds						
48) Acenaphthylene	9.75	152	24186	3.295	ng	99
51) Acenaphthene	9.92	154	21779	4.956	ng	97
57) Fluorene	10.43	166	26205	5.090	ng	97
70) Phenanthrene	11.40	178	335154	55.291	ng	98
71) Anthracene	11.45	178	84934	13.844	ng	98
72) Carbazole	11.61	167	21817	3.892	ng	98
74) Fluoranthene	12.60	202	534622	79.566	ng	97
77) Pyrene	12.83	202	507900	72.289	ng	98
80) Benzo(a)anthracene	14.02	228	294942	45.878	ng	99
82) Chrysene	14.05	228	252936	42.364	ng	97
83) Bis(2-ethylhexyl)phthalate	13.98	149	45749	10.358	ng	# 99
85) Indeno(1,2,3-cd)pyrene	16.99	276	95247	17.944	ng	# 88
87) Benzo(b)fluoranthene	15.07	252	285135m	51.677	ng	
88) Benzo(k)fluoranthene	15.10	252	83497m	15.360	ng	
89) Benzo(a)pyrene	15.44	252	194624	38.799	ng	97
90) Dibenzo(a,h)anthracene	16.99	278	26620m	6.019	ng	
91) Benzo(g,h,i)perylene	17.45	276	89671	21.516	ng	# 89

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

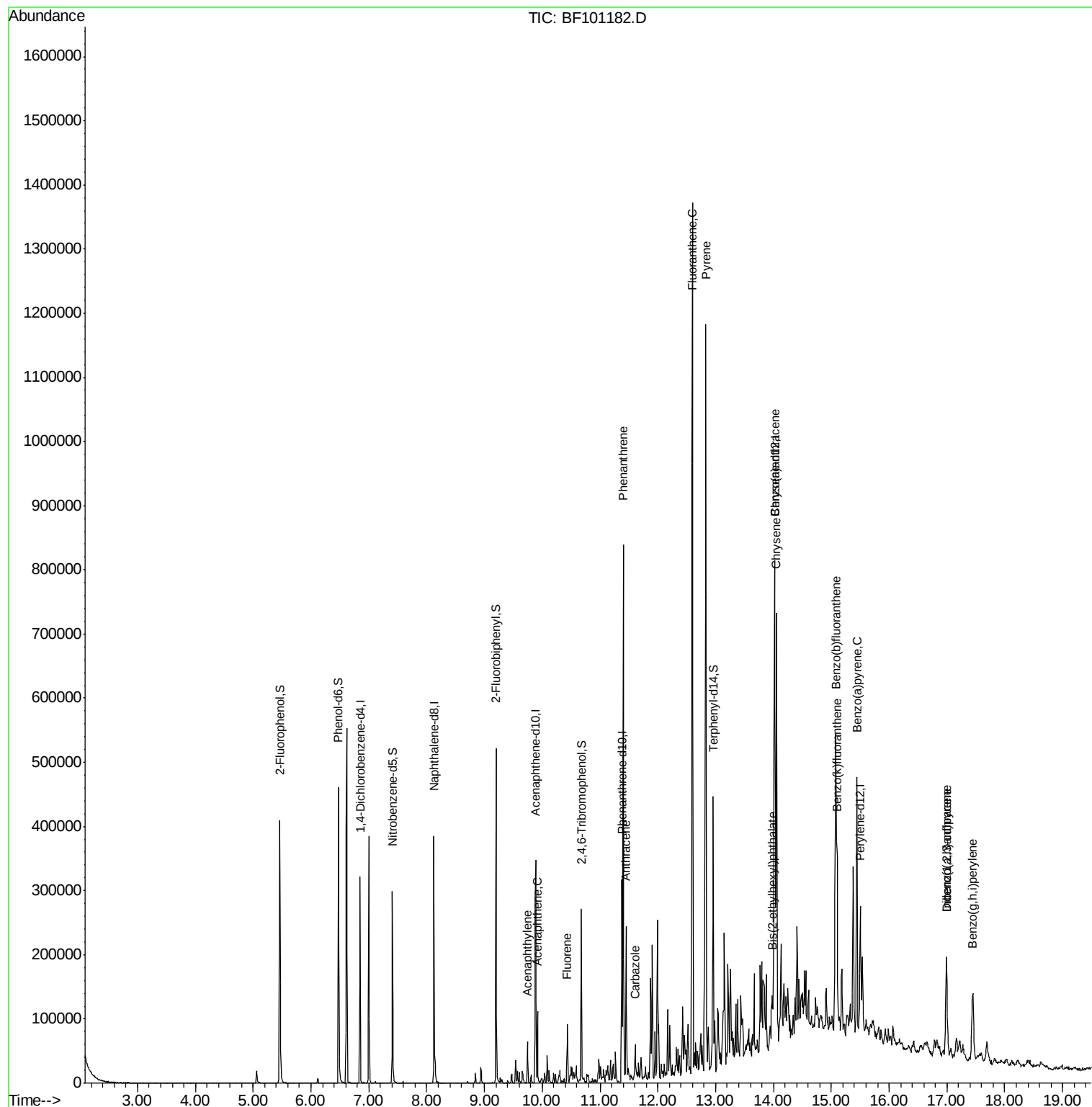
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120617\
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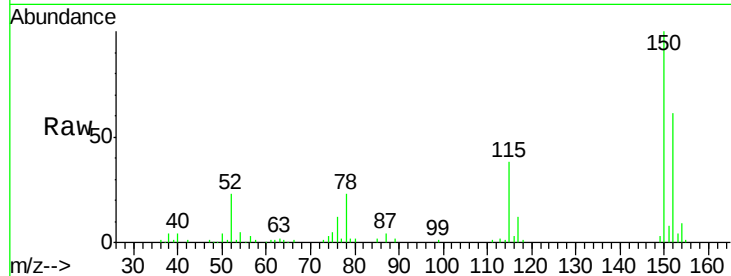
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 809
 Delta R.T. 0.00 min
 Lab File: BF101182.D
 Acq: 6 Dec 2017 21:46

Instrument :
 BNA_F
 ClientSampleId :
 SB-11(6-8)-20171129

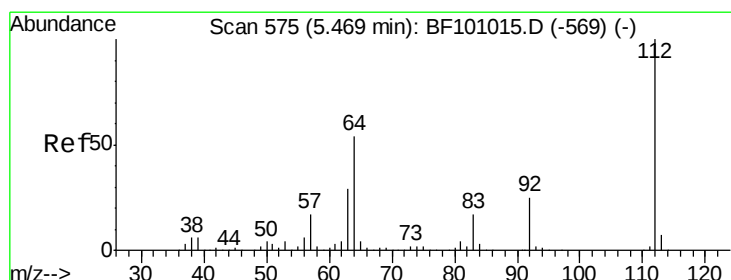
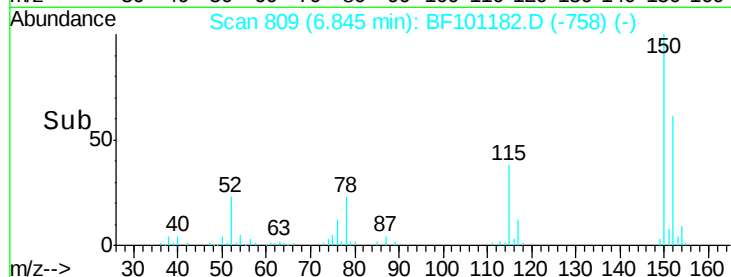
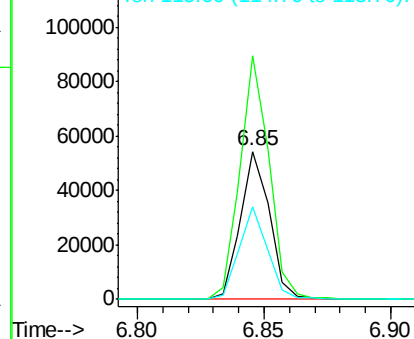
Tot Ion	Ratio	Lower	Upper
152	100		
150	164.4	124.6	186.8
115	62.8	50.1	75.1

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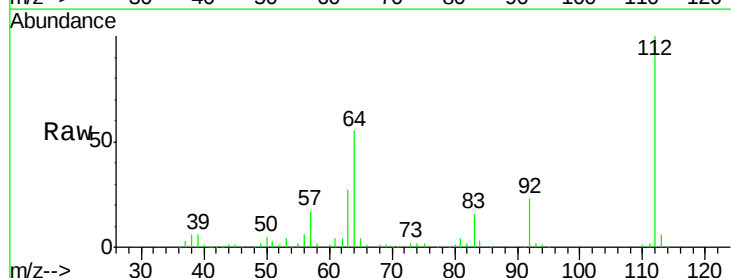


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

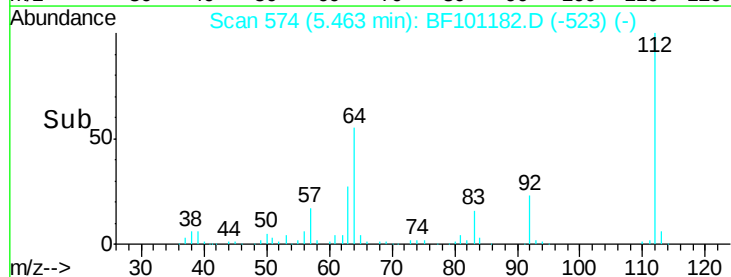
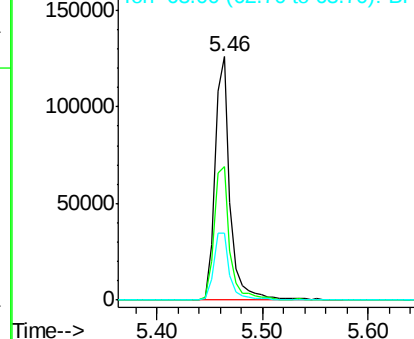


#5
 2-Fluorophenol
 Concen: 48.043 ng
 RT: 5.46 min Scan# 574
 Delta R.T. 0.00 min
 Lab File: BF101182.D
 Acq: 6 Dec 2017 21:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.7	47.9	71.9
63	27.4	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 45.611 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF101182.D

Acq: 6 Dec 2017 21:46

Instrument :

BNA_F

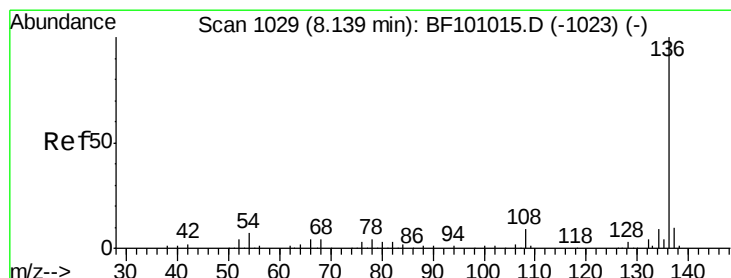
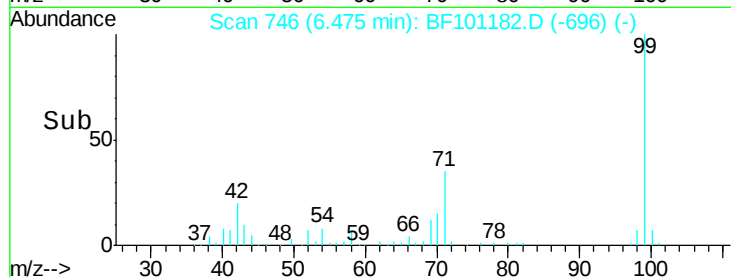
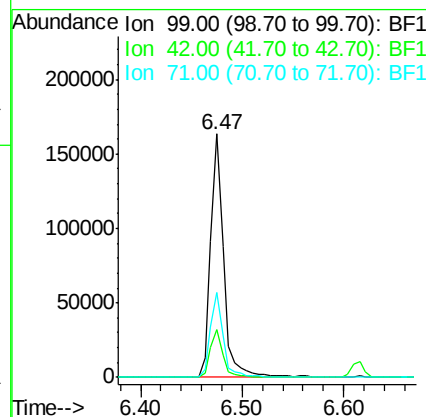
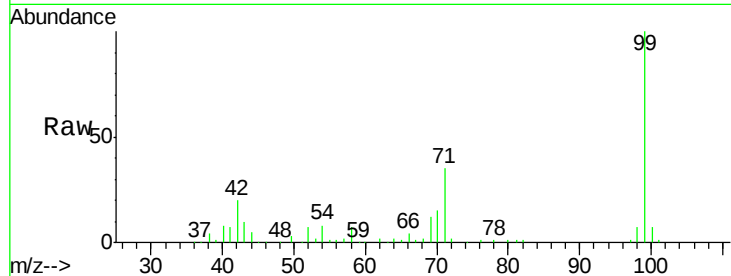
ClientSampleId :

SB-11(6-8)-20171129

Tot Ion:	99	Resp:	145991
Ion Ratio	Lower	Upper	
99	100		
42	19.5	14.5	21.7
71	34.9	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

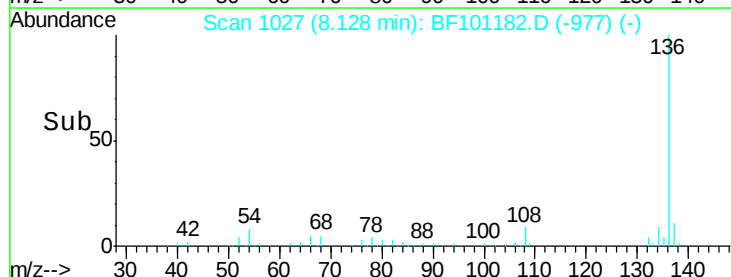
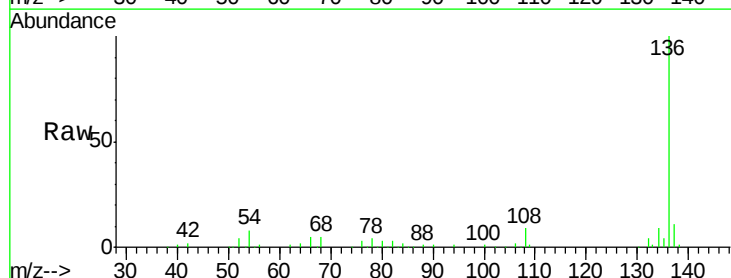
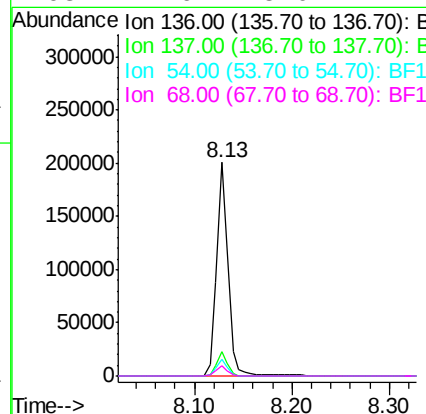
RT: 8.13 min Scan# 1027

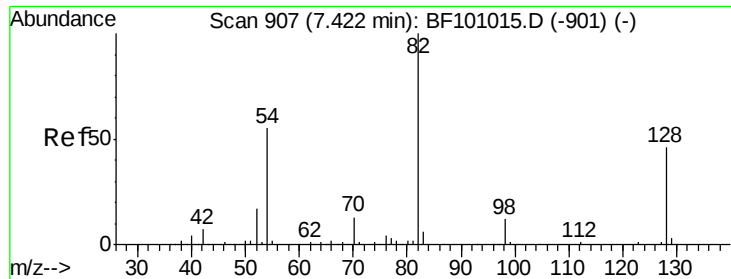
Delta R.T. -0.01 min

Lab File: BF101182.D

Acq: 6 Dec 2017 21:46

Tgt Ion:	136	Resp:	165534
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.9	13.3
54	7.8	6.6	9.8
68	4.6	5.0	7.4#





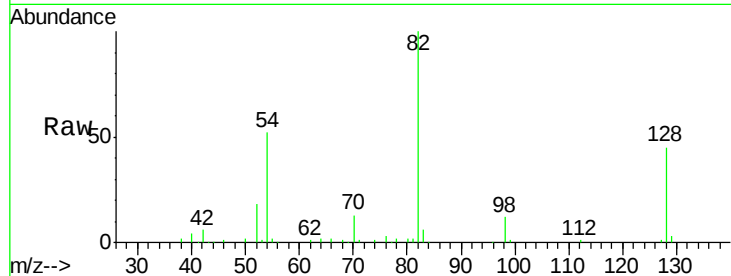
#23
 Nitrobenzene-d5
 Concen: 31.572 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF101182.D
 Acq: 6 Dec 2017 21:46

Instrument :
 BNA_F
 ClientSampleId :
 SB-11(6-8)-20171129

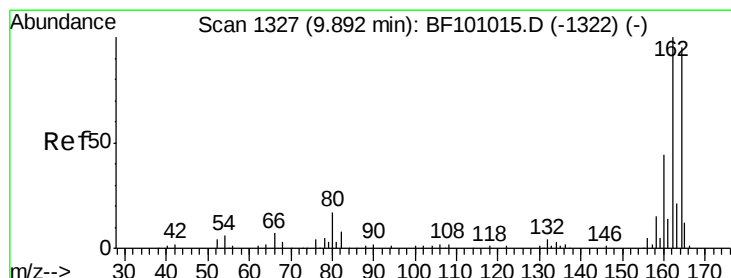
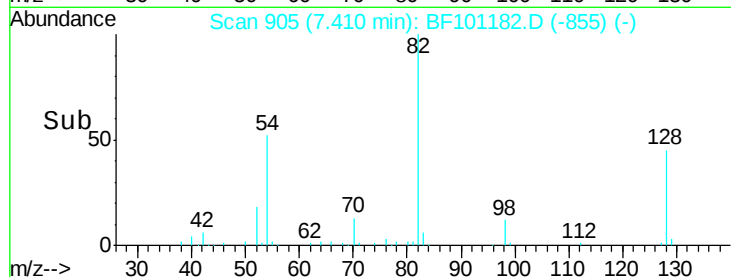
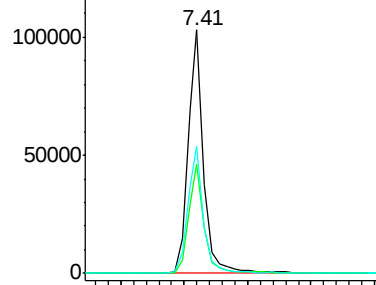
Tot Ion	Ratio	Lower	Upper
82	100		
128	44.8	36.1	54.1
54	52.4	41.4	62.2

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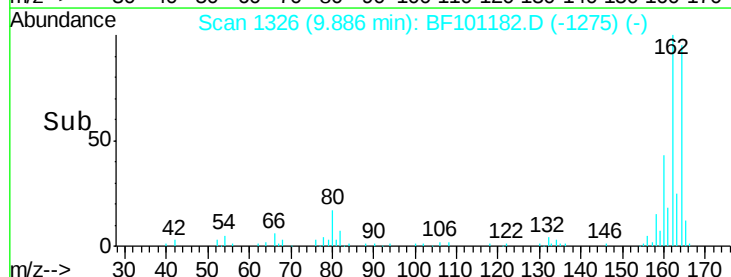
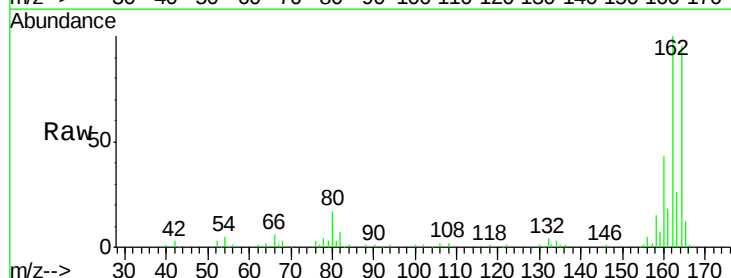
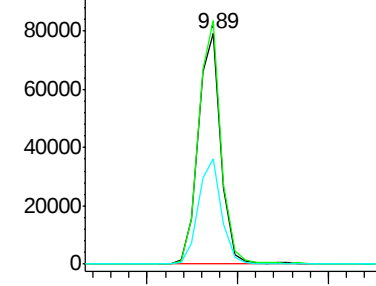
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: BF101182.D
 Acq: 6 Dec 2017 21:46

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.5	86.1	129.1
160	45.7	38.3	57.5

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





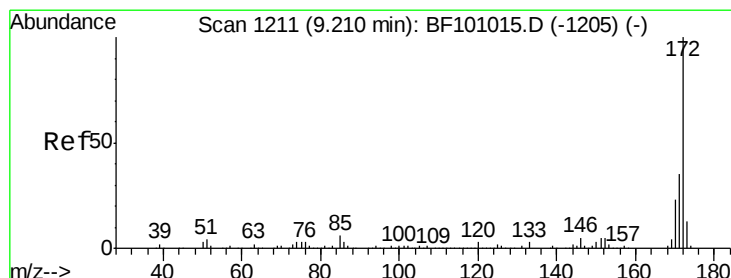
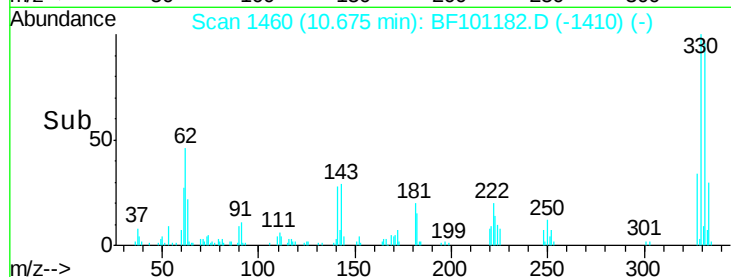
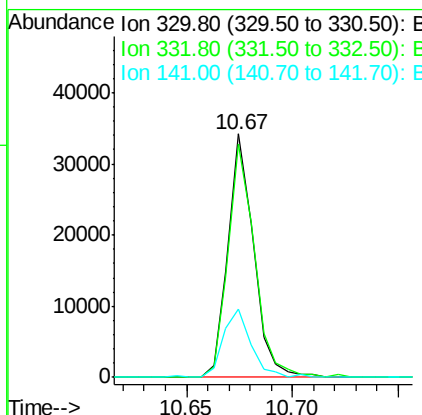
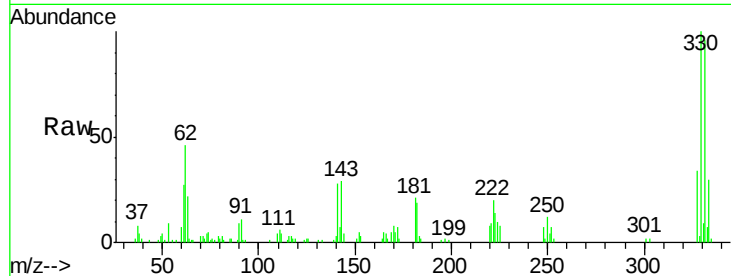
#41
 2,4,6-Tribromophenol
 Concen: 34.866 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BF101182.D
 Acq: 6 Dec 2017 21:46

Instrument :
 BNA_F
 ClientSampleId :
 SB-11(6-8)-20171129

Tot Ion	Ratio	Resp	Lower	Upper
330	100	28748		
332	99.1	77.0	115.6	
141	30.9	29.9	44.9	

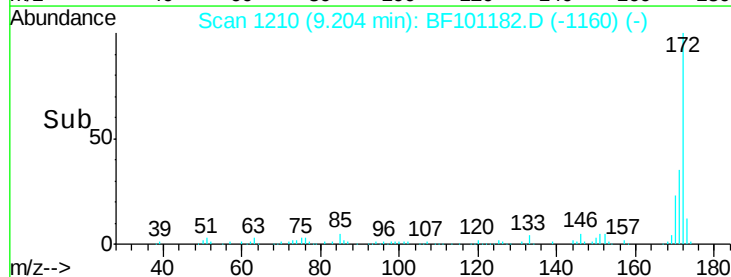
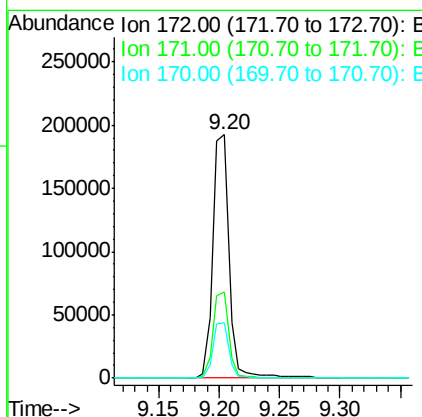
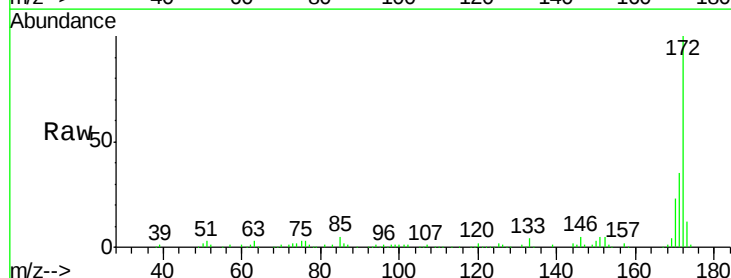
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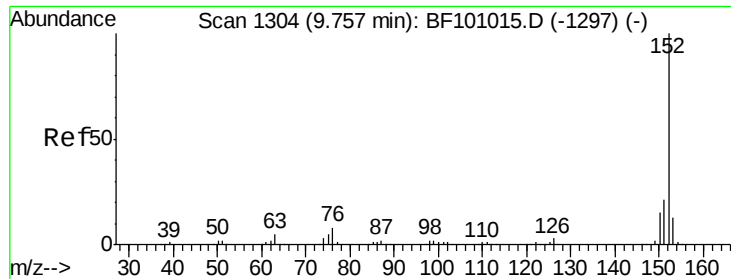
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#44
 2-Fluorobiphenyl
 Concen: 35.562 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF101182.D
 Acq: 6 Dec 2017 21:46

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	178402		
171	35.5	29.7	44.5	
170	22.9	19.6	29.4	





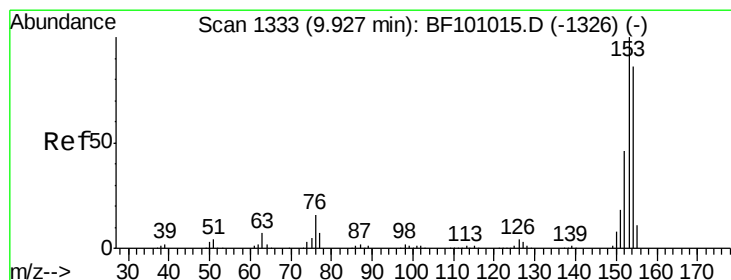
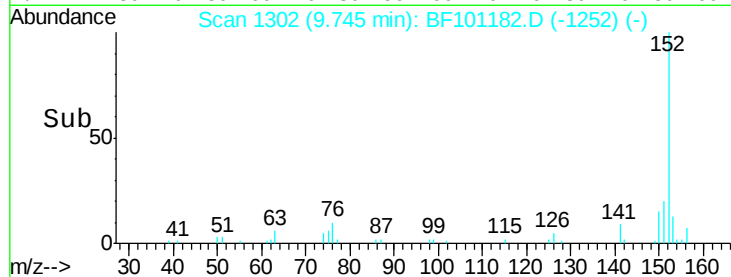
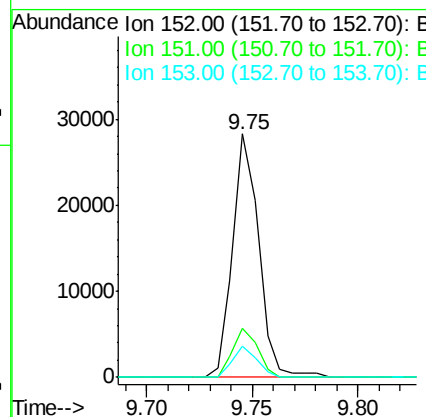
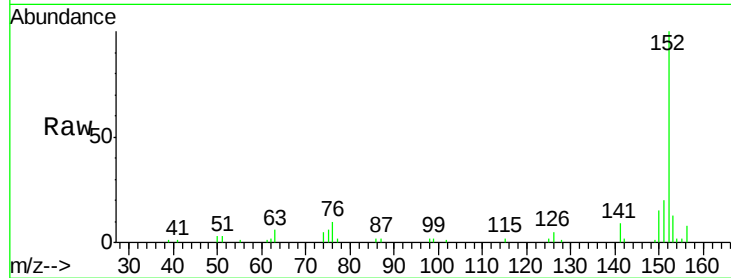
#48
Acenaphthylene
Concen: 3.295 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF101182.D
Acq: 6 Dec 2017 21:46

Instrument :
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SB-11(6-8)-20171129

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.3	24.5
153	13.0	10.7	16.1

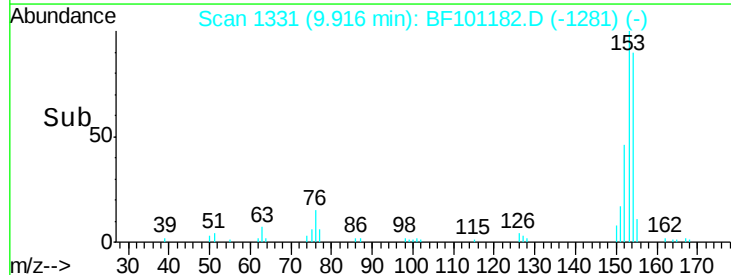
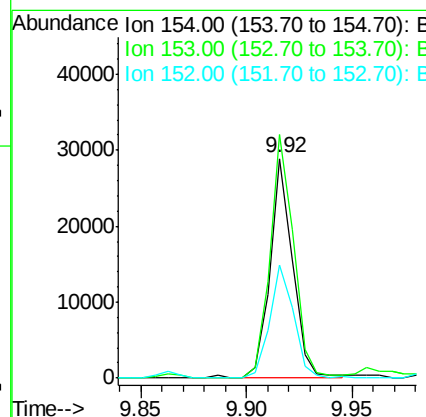
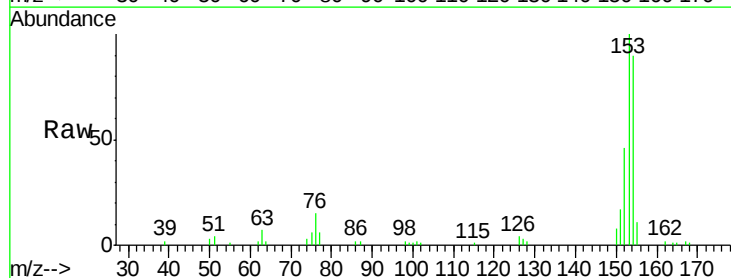
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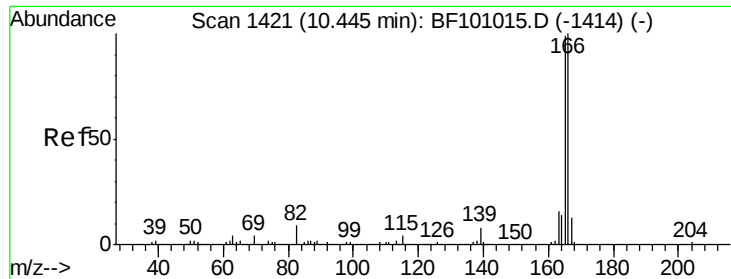
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#51
Acenaphthene
Concen: 4.956 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF101182.D
Acq: 6 Dec 2017 21:46

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.0	91.2	136.8
152	51.5	43.8	65.8





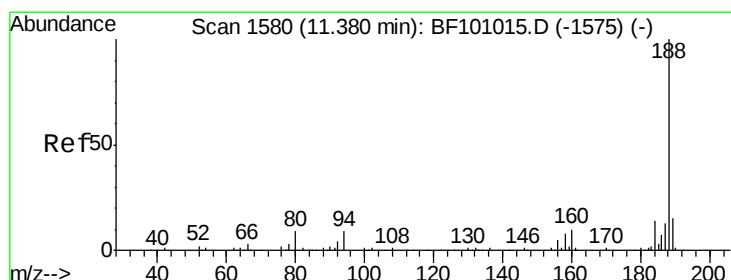
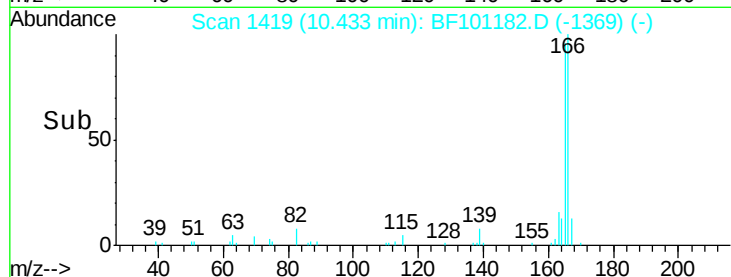
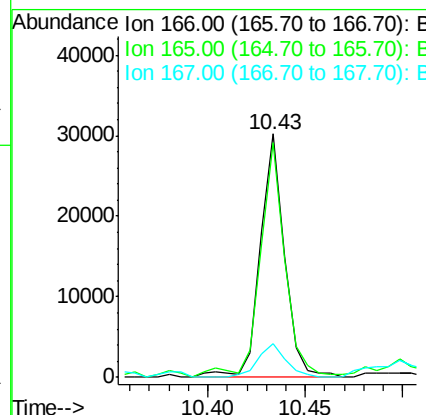
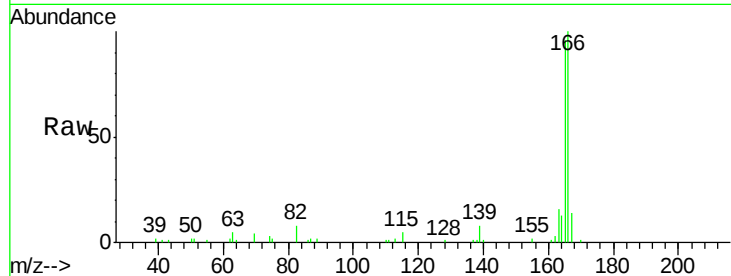
#57
Fluorene
 Concen: 5.090 ng
 RT: 10.43 min Scan# 1419
 Delta R.T. -0.01 min
 Lab File: BF101182.D
 Acq: 6 Dec 2017 21:46

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100				
165	96.2	79.8	119.8		
167	14.1	10.6	16.0		

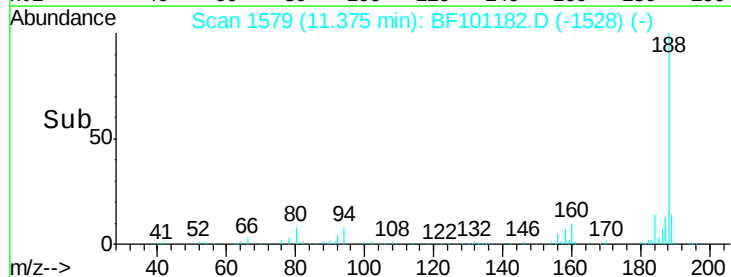
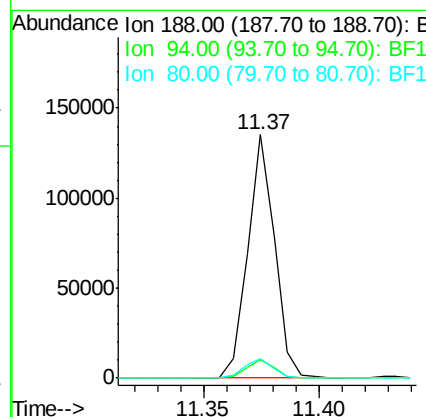
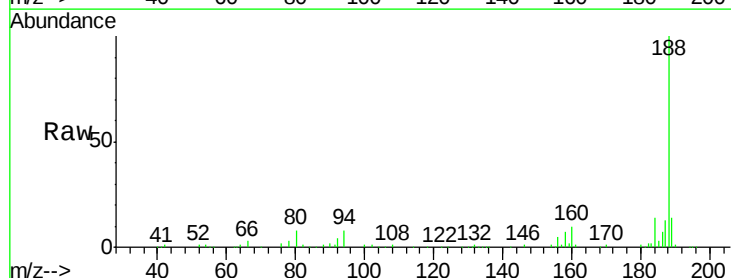
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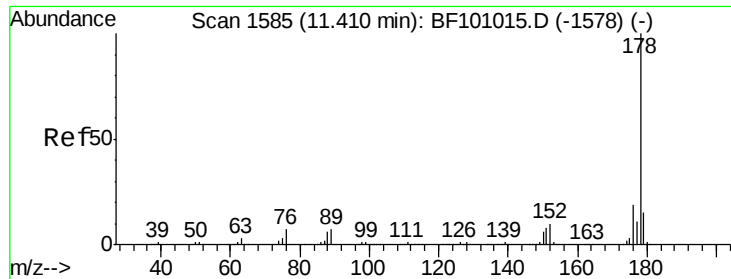
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: BF101182.D
 Acq: 6 Dec 2017 21:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	7.7	8.5	12.7#		
80	8.1	9.2	13.8#		





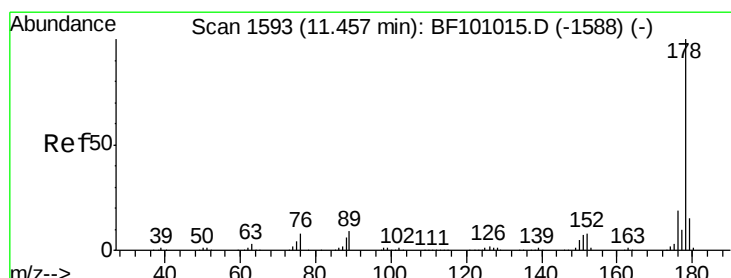
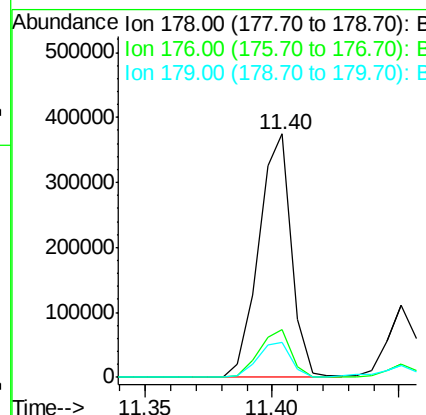
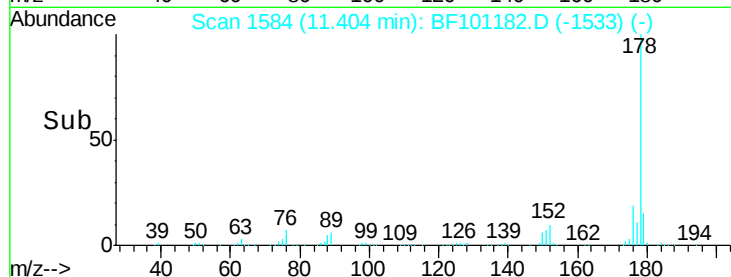
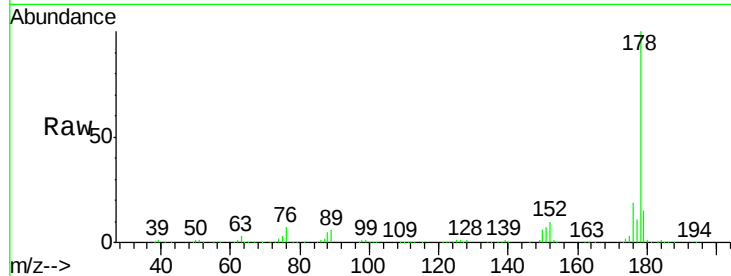
#70
Phenanthrene
Concen: 55.291 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.00 min
Lab File: BF101182.D
Acq: 6 Dec 2017 21:46

Instrument :
BNA_F
ClientSampleId :
SB-11(6-8)-20171129

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	14.6	13.0	19.6

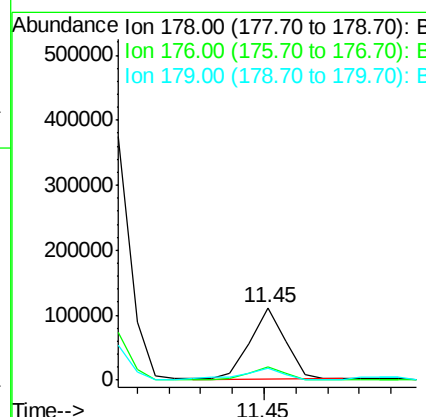
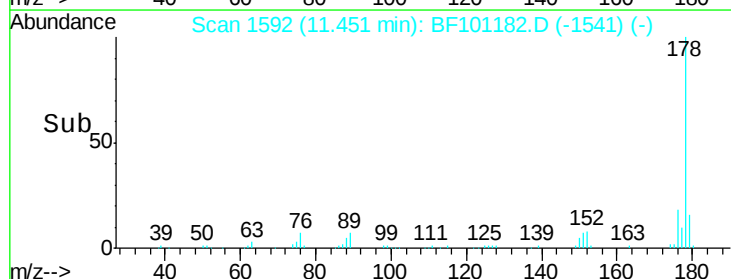
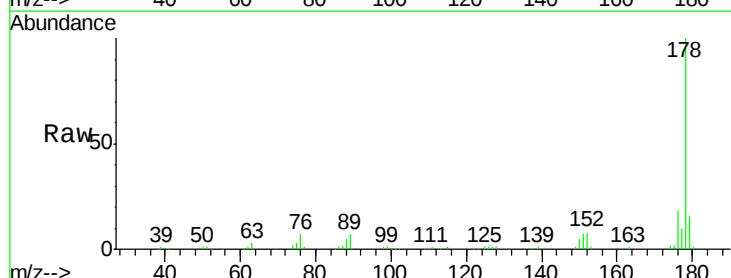
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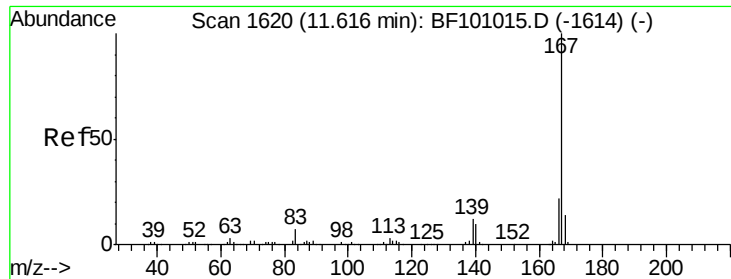
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12/7/2017 11:36:09 AM



#71
Anthracene
Concen: 13.844 ng
RT: 11.45 min Scan# 1592
Delta R.T. 0.00 min
Lab File: BF101182.D
Acq: 6 Dec 2017 21:46

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.4	23.2
179	15.7	12.6	19.0





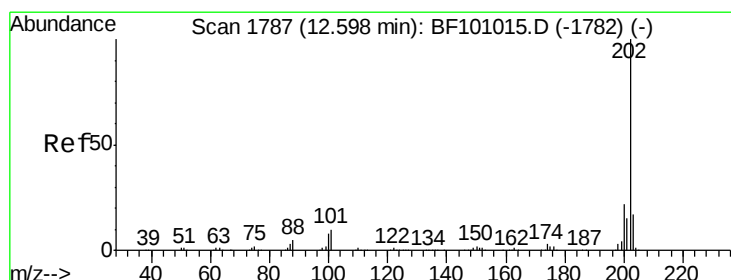
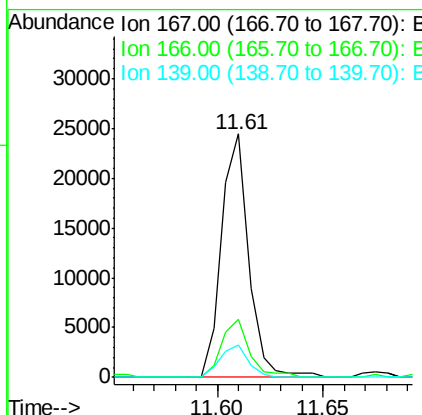
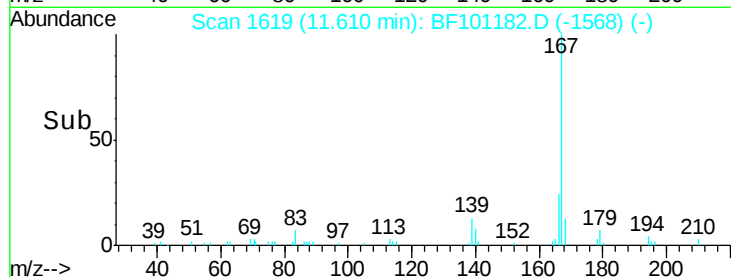
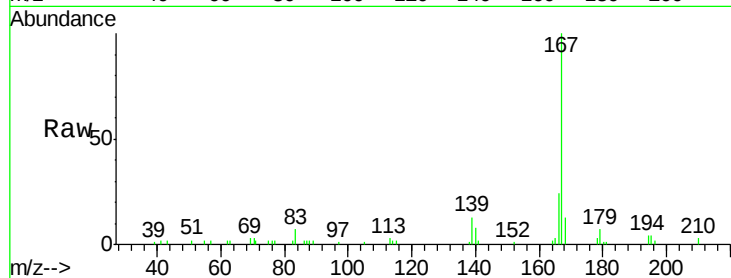
#72
 Carbazole
 Concen: 3.892 ng
 RT: 11.61 min Scan# 1619
 Delta R.T. 0.00 min
 Lab File: BF101182.D
 Acq: 6 Dec 2017 21:46

Instrument :
 BNA_F
 ClientSampleId :
 SB-11(6-8)-20171129

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.7	17.6	26.4
139	13.5	10.9	16.3

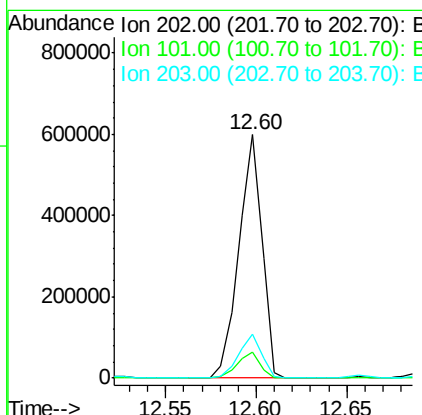
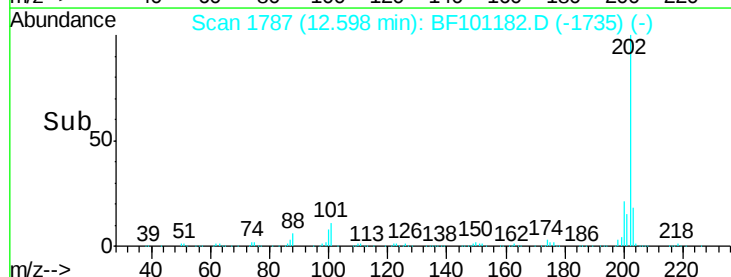
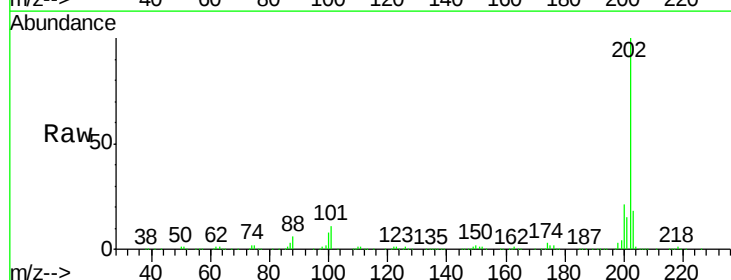
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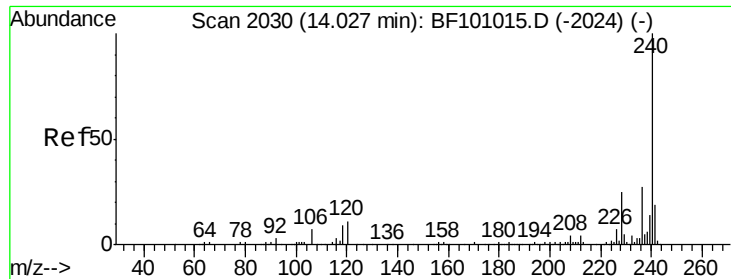
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#74
 Fluoranthene
 Concen: 79.566 ng
 RT: 12.60 min Scan# 1787
 Delta R.T. 0.01 min
 Lab File: BF101182.D
 Acq: 6 Dec 2017 21:46

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	34.1
203	18.1	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2030

Delta R.T. 0.01 min

Lab File: BF101182.D

Acq: 6 Dec 2017 21:46

Instrument :

BNA_F

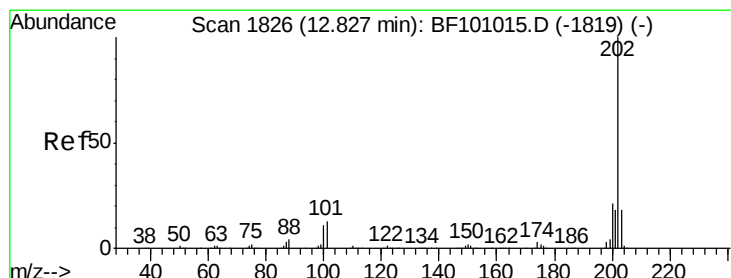
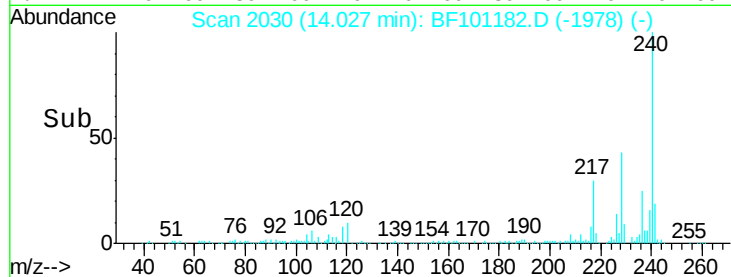
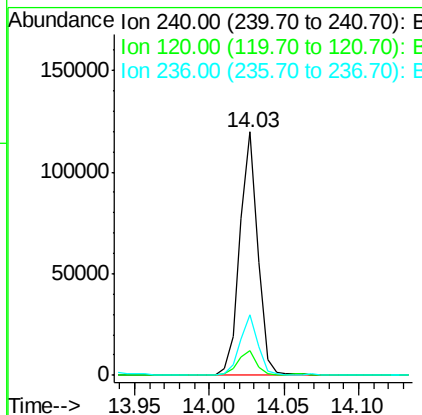
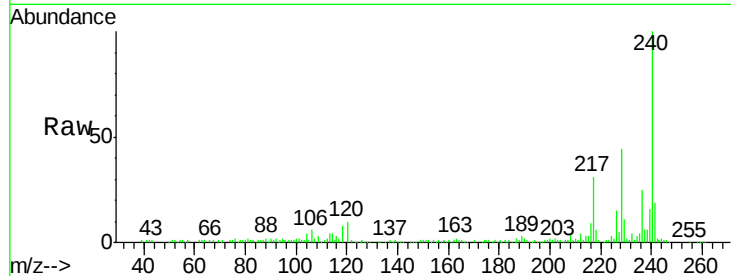
ClientSampleId :

SB-11(6-8)-20171129

Tot Ion:	240	Resp:	101821
Ion Ratio	Lower	Upper	
240	100		
120	10.1	9.5	14.3
236	24.9	20.7	31.1

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#77

Pyrene

Concen: 72.289 ng

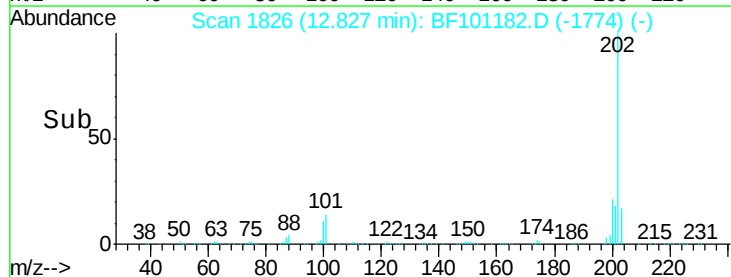
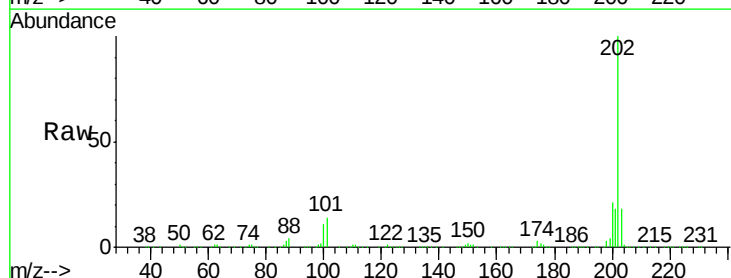
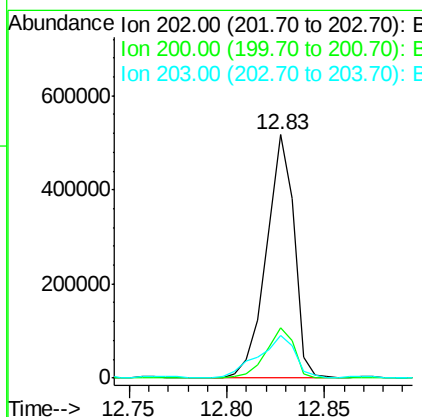
RT: 12.83 min Scan# 1826

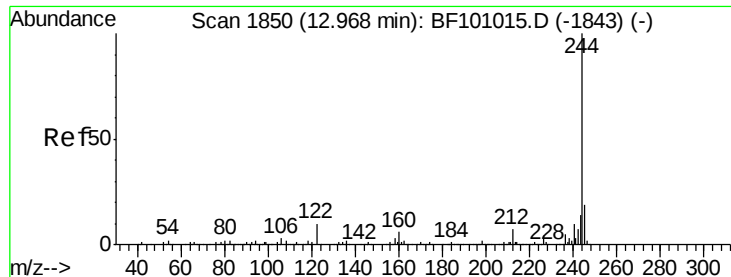
Delta R.T. 0.01 min

Lab File: BF101182.D

Acq: 6 Dec 2017 21:46

Tgt Ion:	202	Resp:	507900
Ion Ratio	Lower	Upper	
202	100		
200	20.5	17.4	26.2
203	17.6	14.3	21.5





#78

Terphenyl-d14

Concen: 27.242 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF101182.D

Acq: 6 Dec 2017 21:46

Instrument :

BNA_F

ClientSampleId :

SB-11(6-8)-20171129

Tot Ion:244 Resp: 126816

Ion Ratio Lower Upper

244 100

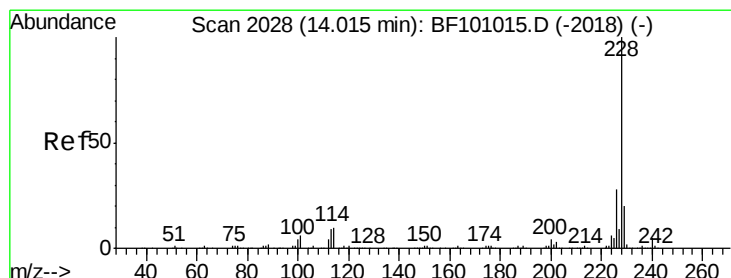
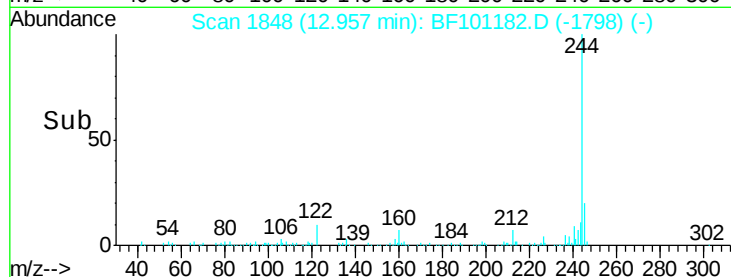
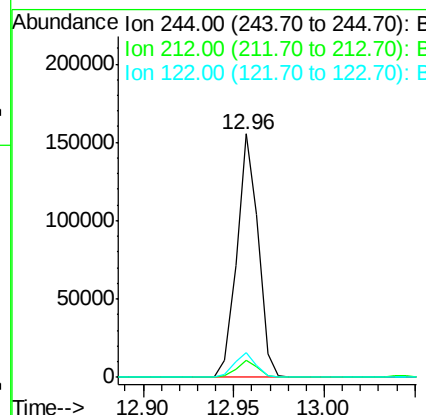
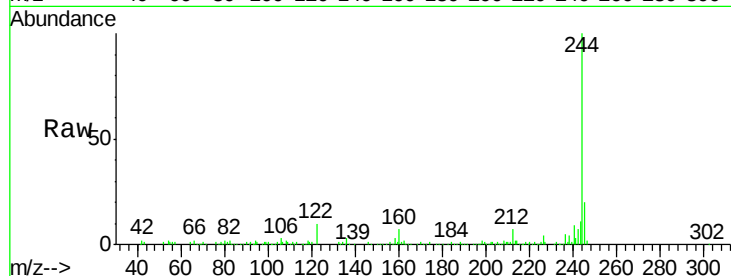
212 6.8 5.4 8.0

122 10.0 11.0 16.4#

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#80

Benzo(a)anthracene

Concen: 45.878 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.01 min

Lab File: BF101182.D

Acq: 6 Dec 2017 21:46

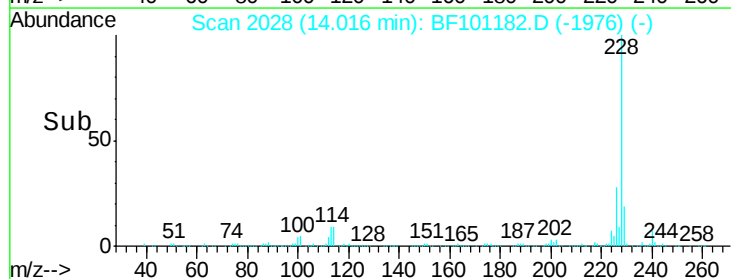
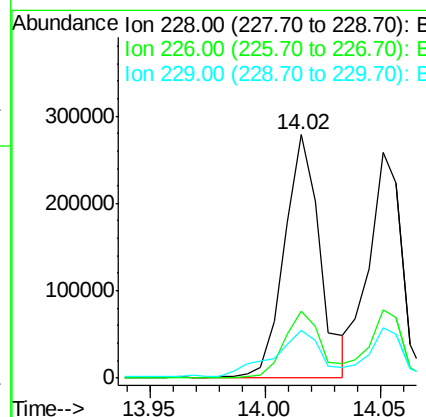
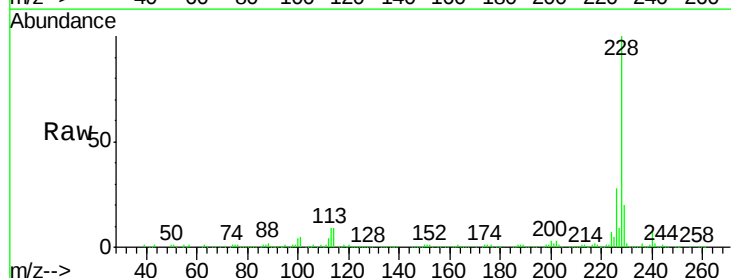
Tgt Ion:228 Resp: 294942

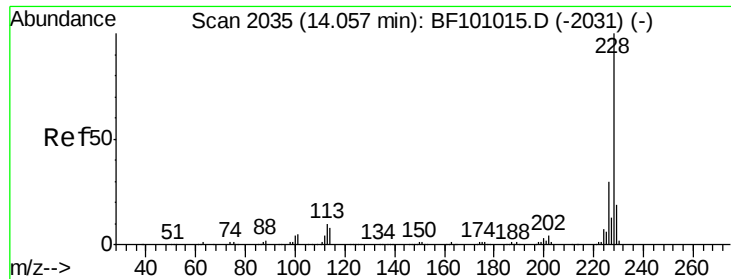
Ion Ratio Lower Upper

228 100

226 27.7 22.6 33.8

229 19.7 15.8 23.6





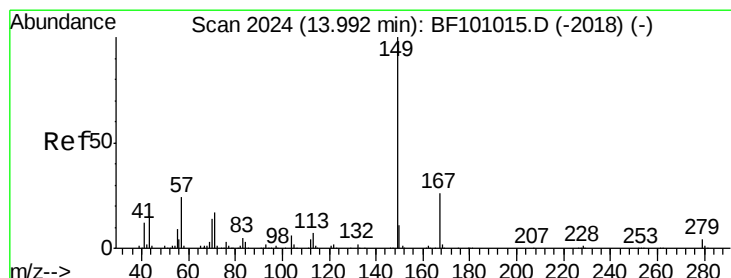
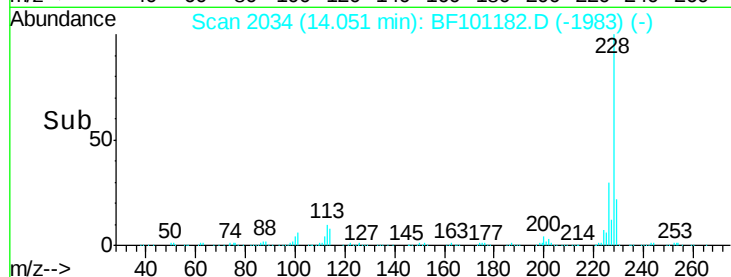
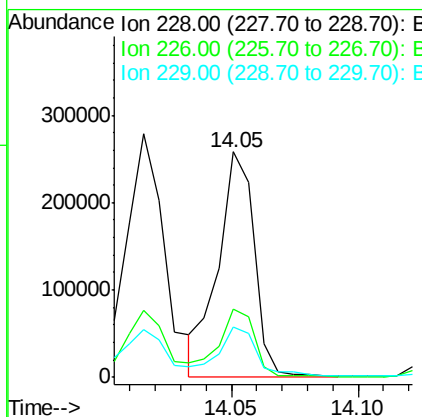
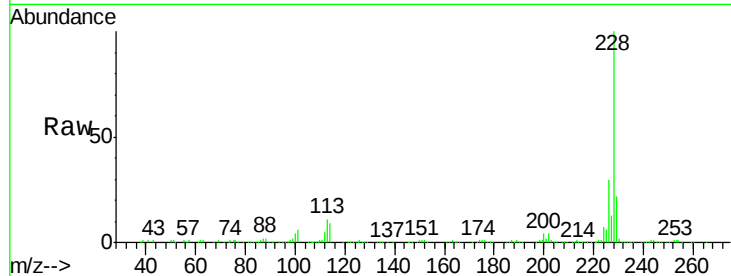
#82
 Chrysene
 Concen: 42.364 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: BF101182.D
 Acq: 6 Dec 2017 21:46

Instrument :
 BNA_F
 ClientSampleId :
 SB-11(6-8)-20171129

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.6
229	22.5	16.2	24.4

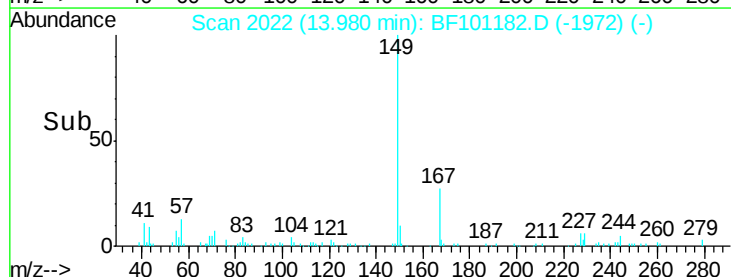
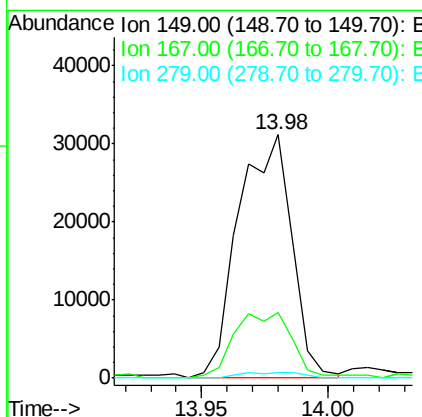
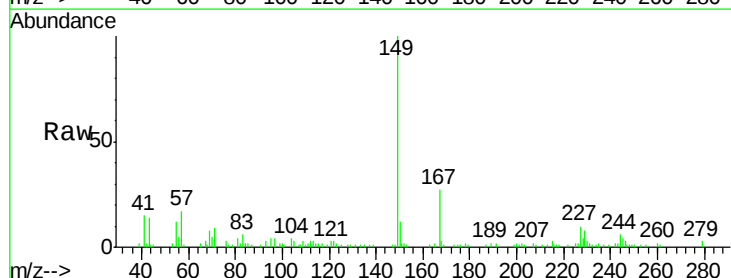
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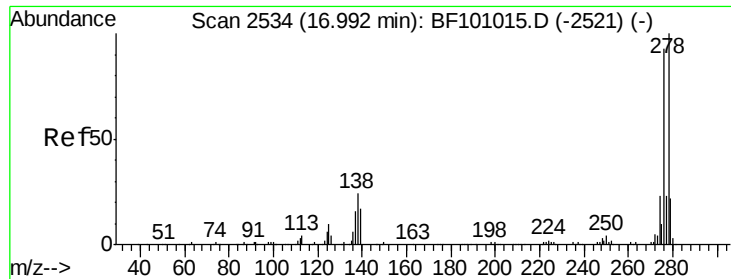
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#83
 Bis(2-ethylhexyl)phthalate
 Concen: 10.358 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BF101182.D
 Acq: 6 Dec 2017 21:46

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.3	31.9
279	2.5	3.0	4.4#





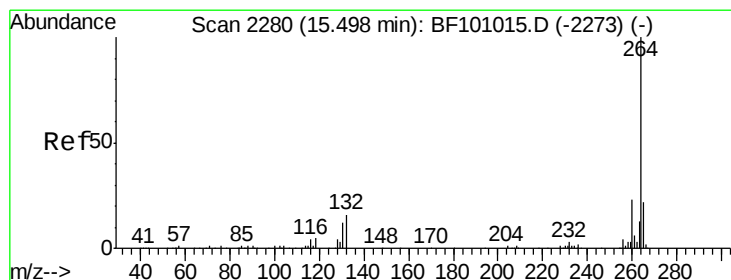
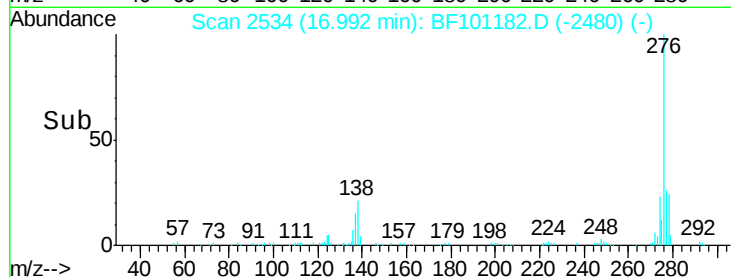
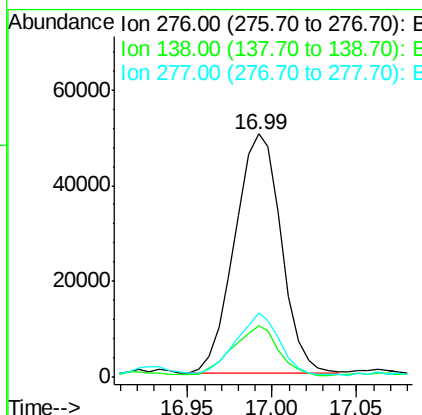
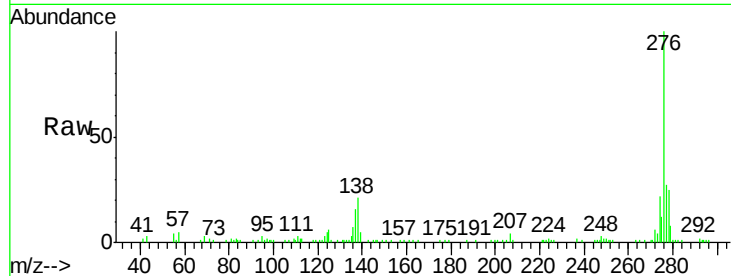
#85
Indeno(1,2,3-cd)pyrene
Concen: 17.944 ng
RT: 16.99 min Scan# 2534
Delta R.T. 0.02 min
Lab File: BF101182.D
Acq: 6 Dec 2017 21:46

Instrument :
BNA_F
ClientSampleId :
SB-11(6-8)-20171129

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.4	25.0	37.6#
277	24.2	20.1	30.1

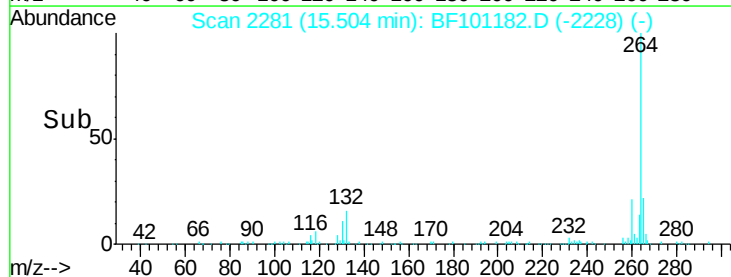
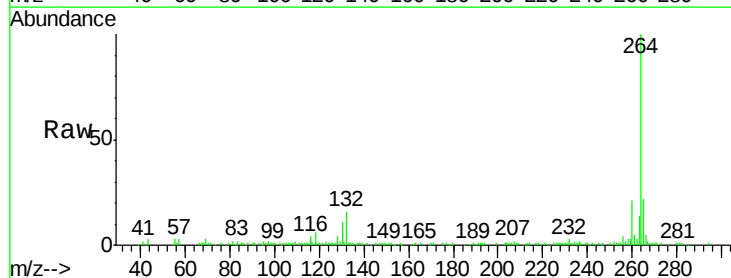
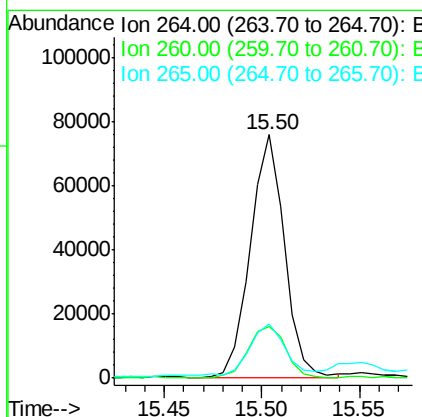
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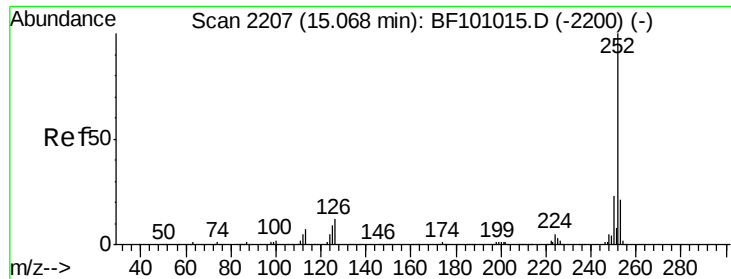
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.01 min
Lab File: BF101182.D
Acq: 6 Dec 2017 21:46

Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.0	19.2	28.8
265	22.5	17.5	26.3





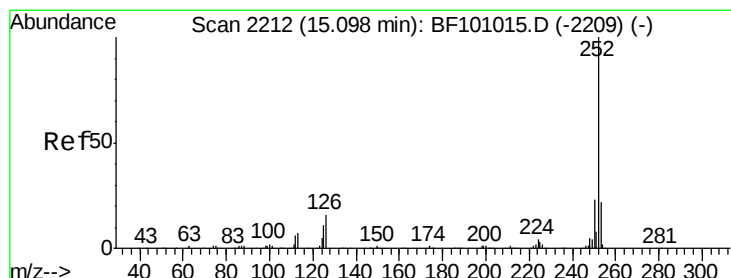
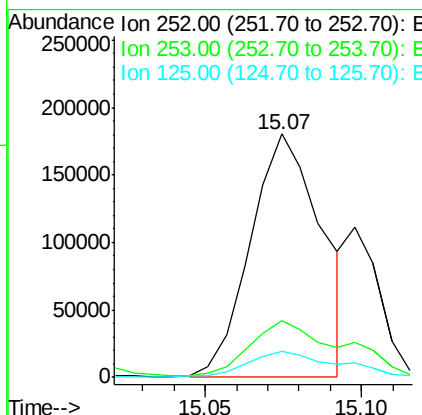
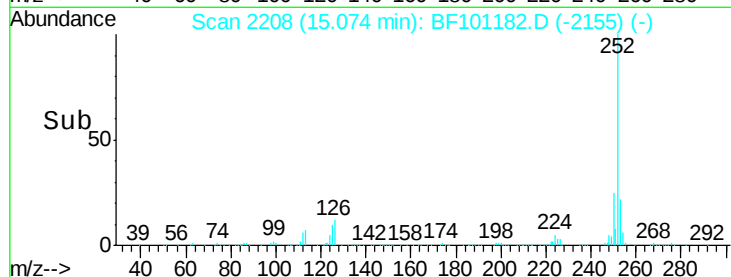
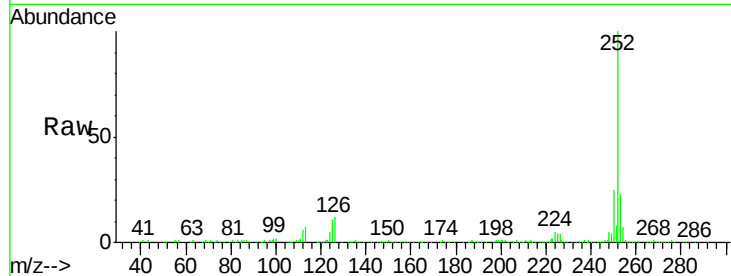
#87
Benzo(b)fluoranthene
Concen: 51.677 ng m
RT: 15.07 min Scan# 2208
Delta R.T. 0.01 min
Lab File: BF101182.D
Acq: 6 Dec 2017 21:46

Instrument :
BNA_F
ClientSampleId :
SB-11(6-8)-20171129

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	10.7	9.0	13.6

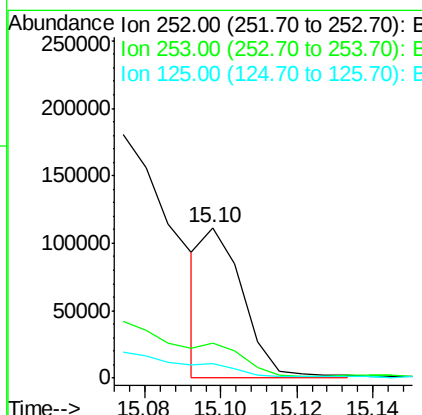
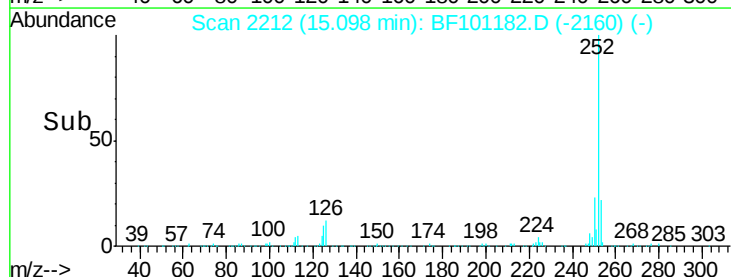
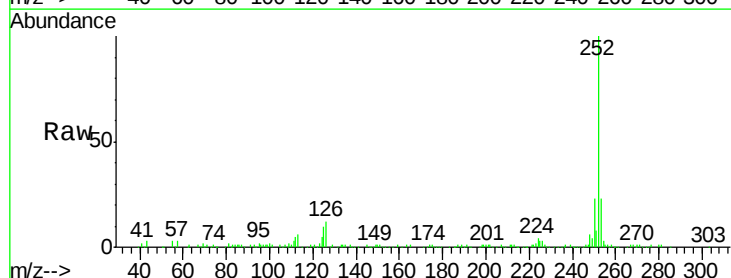
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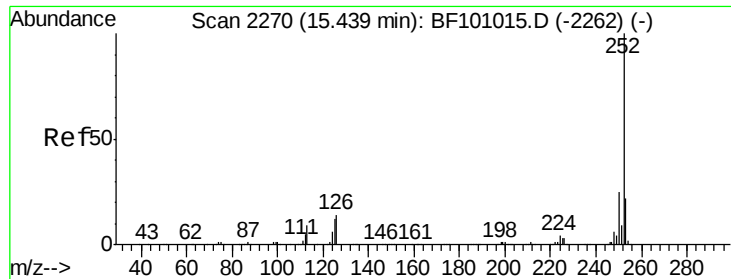
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#88
Benzo(k)fluoranthene
Concen: 15.360 ng m
RT: 15.10 min Scan# 2212
Delta R.T. 0.01 min
Lab File: BF101182.D
Acq: 6 Dec 2017 21:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	10.0	10.2	15.2#





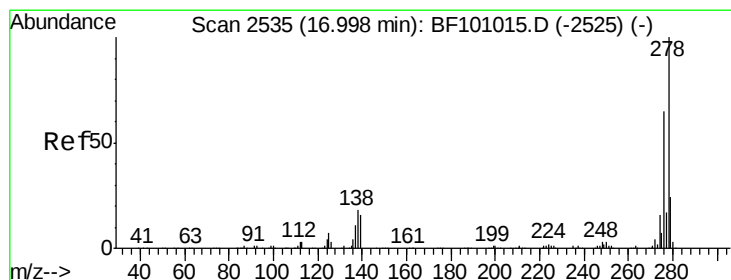
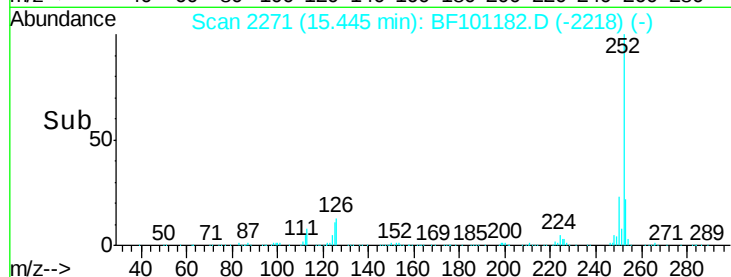
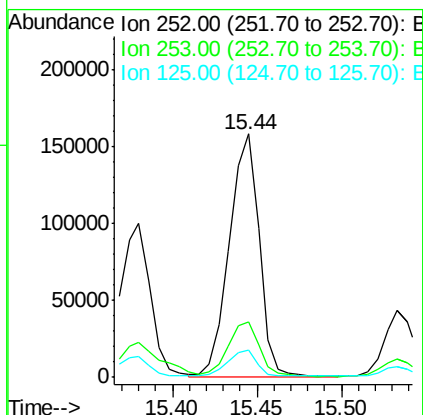
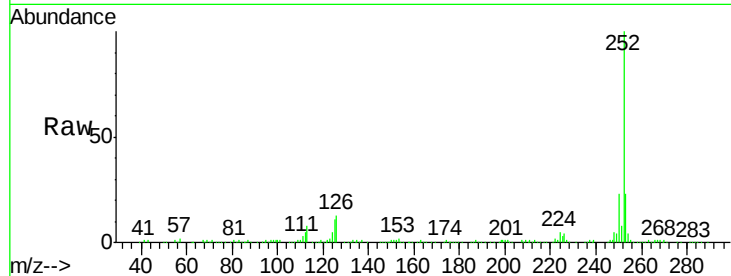
#89
Benzo(a)pyrene
Concen: 38.799 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF101182.D
Acq: 6 Dec 2017 21:46

Instrument :
BNA_F
ClientSampleId :
SB-11(6-8)-20171129

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	11.1	9.8	14.6

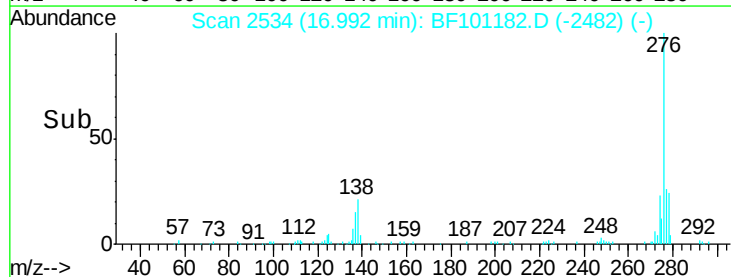
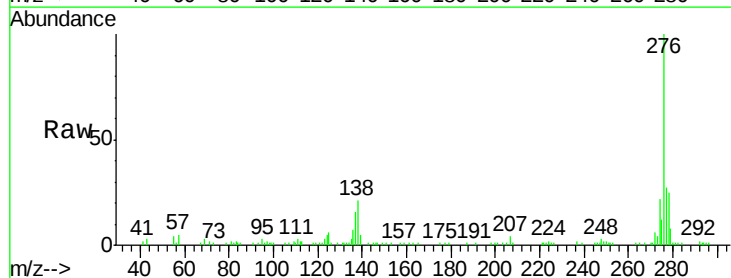
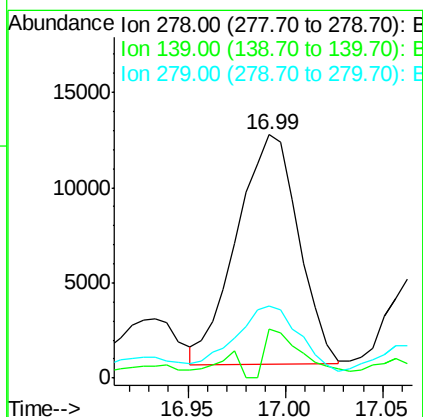
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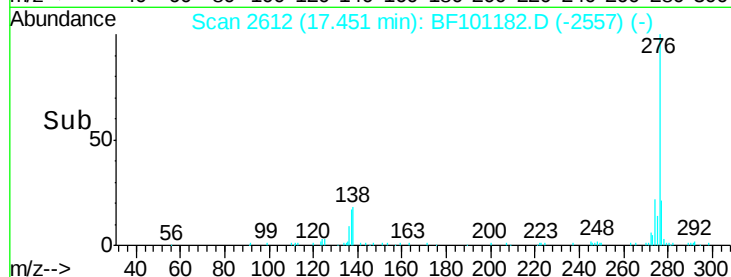
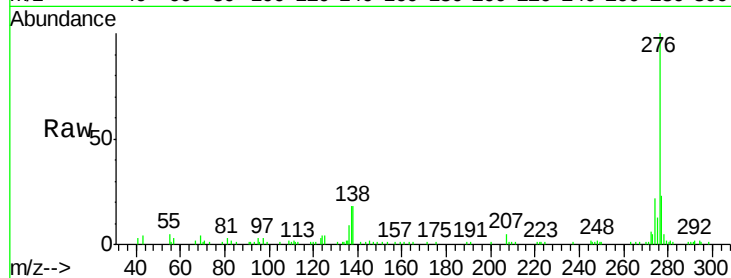
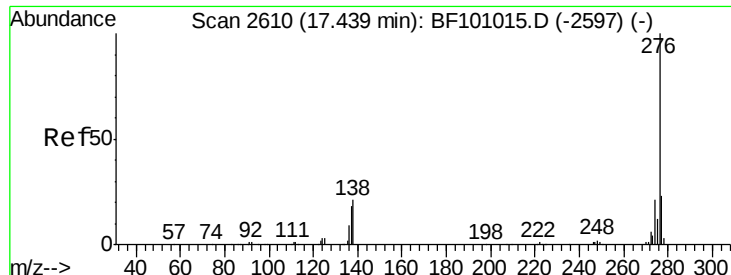
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#90
Dibenzo(a,h)anthracene
Concen: 6.019 ng m
RT: 16.99 min Scan# 2534
Delta R.T. 0.01 min
Lab File: BF101182.D
Acq: 6 Dec 2017 21:46

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.3	15.9	23.9
279	29.9	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 21.516 ng
 RT: 17.45 min Scan# 2612
 Delta R.T. 0.02 min
 Lab File: BF101182.D
 Acq: 6 Dec 2017 21:46

Instrument :
 BNA_F
 ClientSampleId :
 SB-11(6-8)-20171129

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.0	17.9	26.9
138	17.7	21.8	32.8

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