

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
 Data File : BF100947.D
 Acq On : 28 Nov 2017 21:14
 Operator : SJ/JU
 Sample : I6610-08 10X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-8(0-2)-20171127

Manual Integrations
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Quant Time: Nov 29 07:42:10 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 28 15:21:02 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	56193	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	199941	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	79517	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	134137	20.00	ng	0.00
75) Chrysene-d12	14.02	240	142846	20.00	ng	0.00
86) Perylene-d12	15.50	264	118514	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	36622	10.45	ng	0.00
7) Phenol-d6	6.48	99	41474	9.59	ng	-0.01
23) Nitrobenzene-d5	7.42	82	23561	7.79	ng	-0.01
41) 2,4,6-Tribromophenol	10.68	330	8135	10.04	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	51447	9.85	ng	0.00
78) Terphenyl-d14	12.96	244	46504	7.48	ng	0.00
Target Compounds						
31) Naphthalene	8.16	128	22340	2.320	ng	99
51) Acenaphthene	9.93	154	11138	2.215	ng	92
57) Fluorene	10.44	166	15367	2.976	ng	95
70) Phenanthrene	11.40	178	156310	22.132	ng	99
71) Anthracene	11.46	178	35848	5.003	ng	100
72) Carbazole	11.61	167	16738	2.532	ng	99
74) Fluoranthene	12.60	202	221738	29.625	ng	94
77) Pyrene	12.83	202	192045	18.860	ng	97
80) Benzo(a)anthracene	14.01	228	103414	12.022	ng	97
82) Chrysene	14.05	228	92013	11.046	ng	97
85) Indeno(1,2,3-cd)pyrene	16.97	276	37120	5.509	ng	# 91
87) Benzo(b)fluoranthene	15.06	252	104948m	14.947	ng	
88) Benzo(k)fluoranthene	15.09	252	37923m	5.716	ng	
89) Benzo(a)pyrene	15.43	252	69541	11.172	ng	97
91) Benzo(a,h,i)perylene	17.42	276	34867	6.997	ng	# 92

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

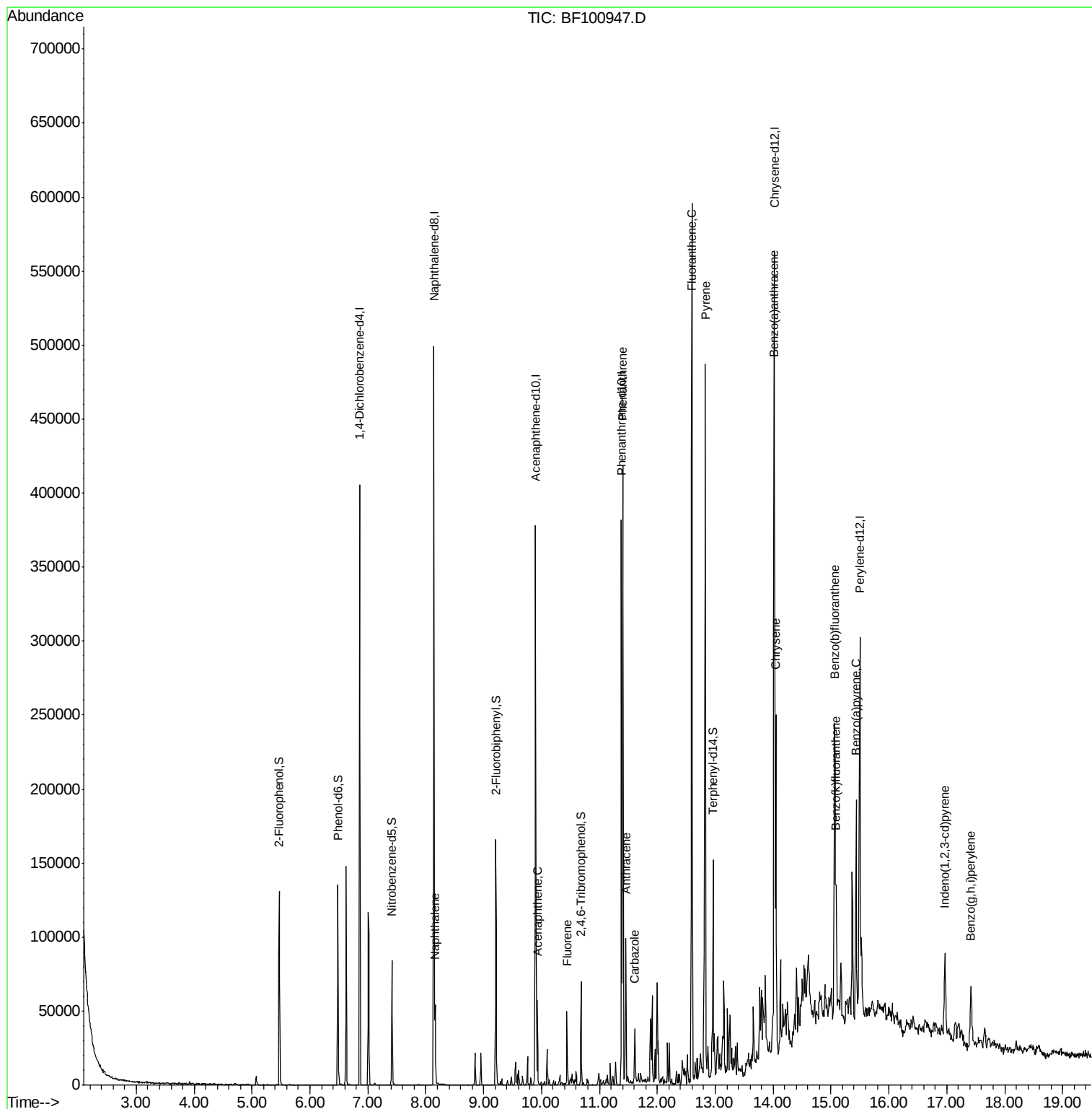
Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
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#1

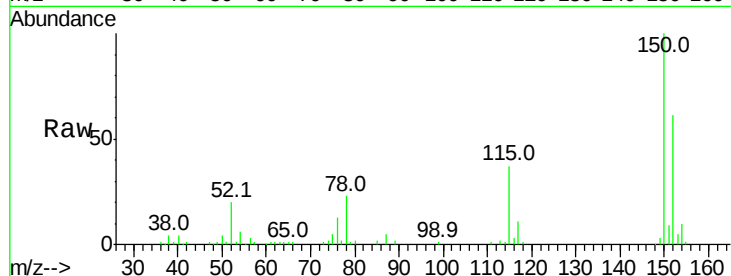
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.00 min
Lab File: BF100947.D
Acq: 28 Nov 2017 21:14

Instrument :
BNA_F
ClientSampleId :
SB-8(0-2)-20171127

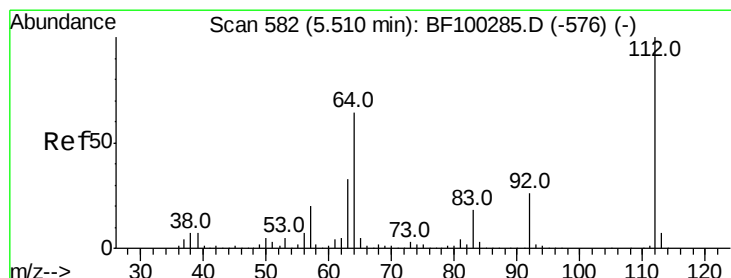
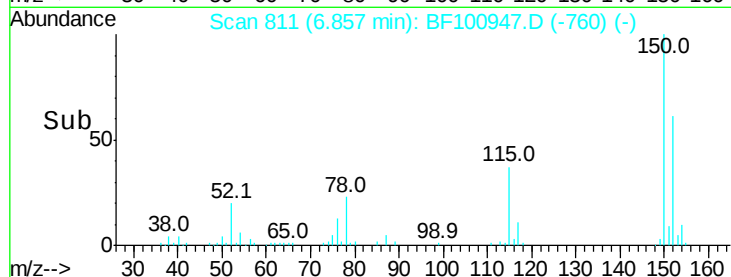
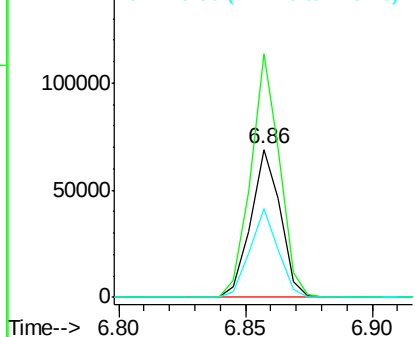
Tot Ion	Ratio	Lower	Upper
152	100		
150	164.7	124.6	186.8
115	60.2	50.1	75.1

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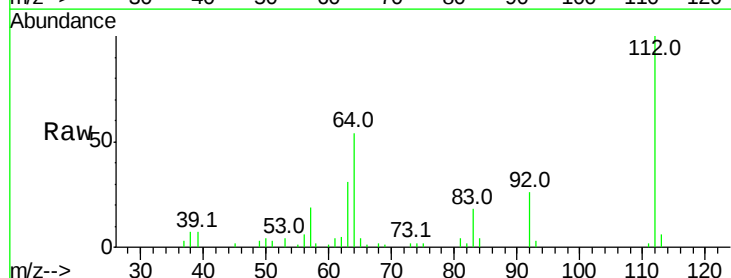
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



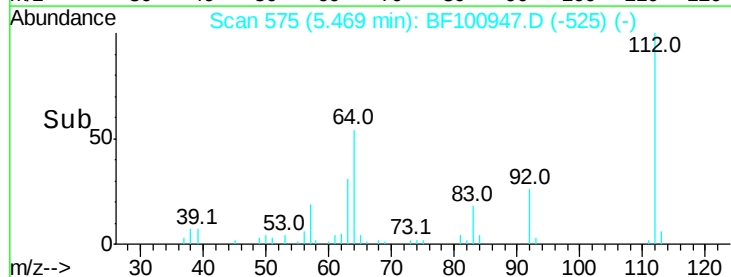
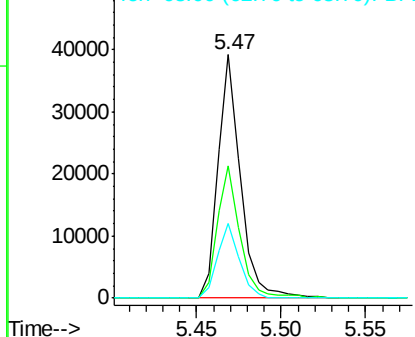
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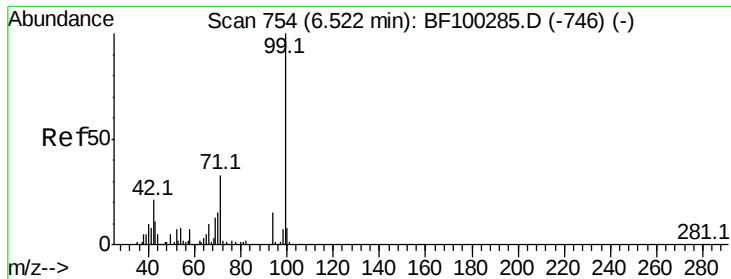
2-Fluorophenol
Concen: 10.447 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF100947.D
Acq: 28 Nov 2017 21:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.5	47.9	71.9
63	30.6	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: 9.594 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF100947.D

Acq: 28 Nov 2017 21:14

Instrument :

BNA_F

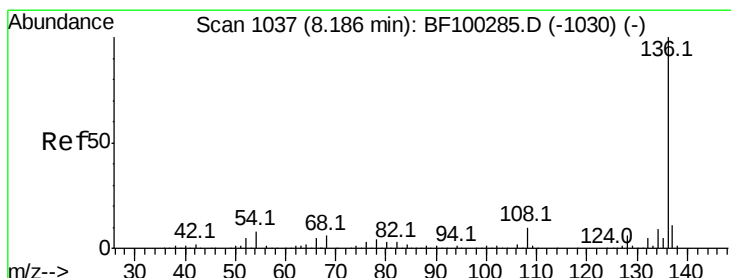
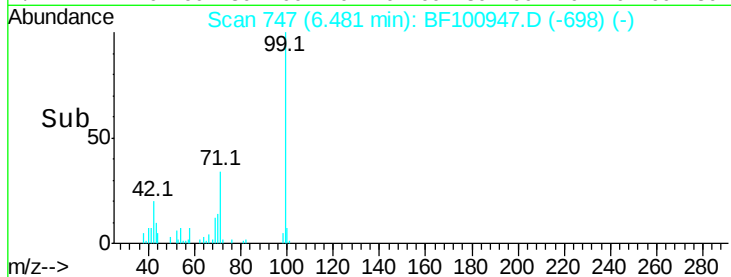
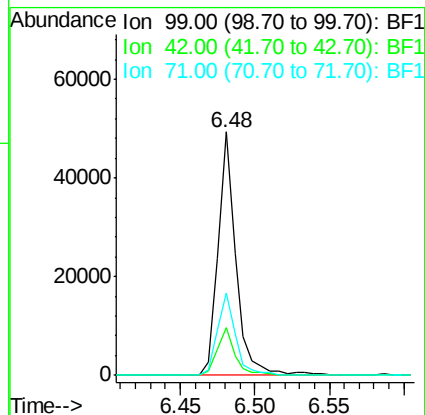
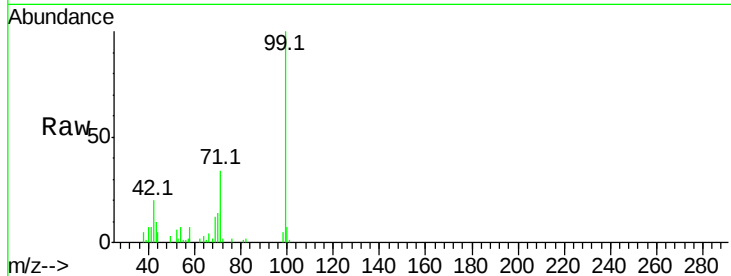
ClientSampleId :

SB-8(0-2)-20171127

Tot Ion:	99	Resp:	41474
Ion	Ratio	Lower	Upper
99	100		
42	19.7	14.5	21.7
71	33.7	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

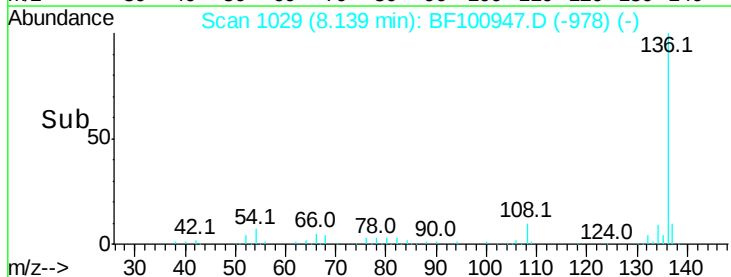
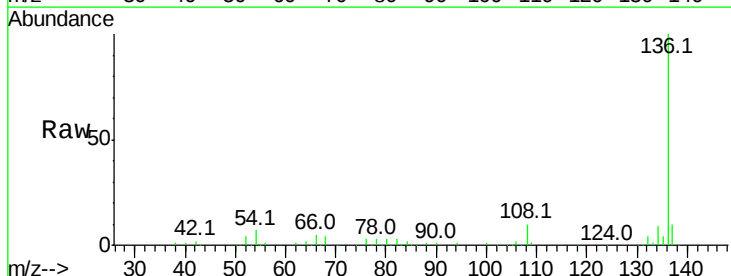
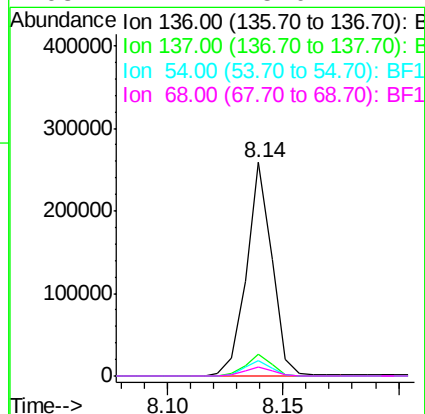
RT: 8.14 min Scan# 1029

Delta R.T. -0.00 min

Lab File: BF100947.D

Acq: 28 Nov 2017 21:14

Tgt Ion:	136	Resp:	199941
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	7.3	6.6	9.8
68	4.4	5.0	7.4#





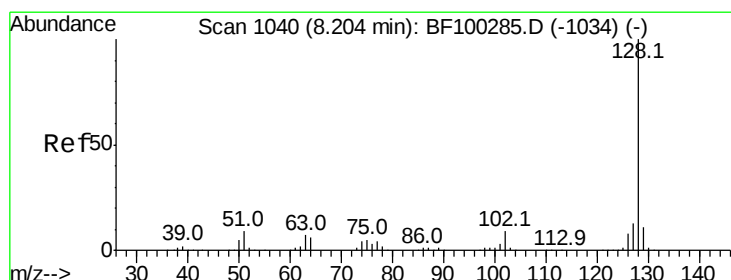
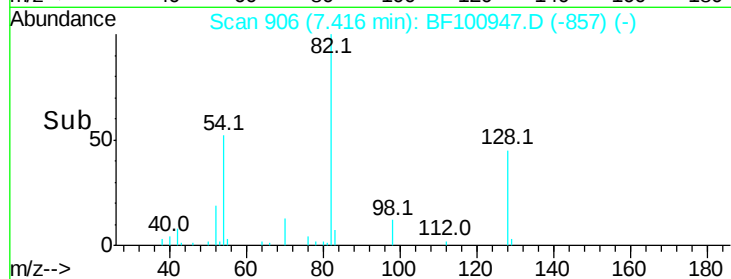
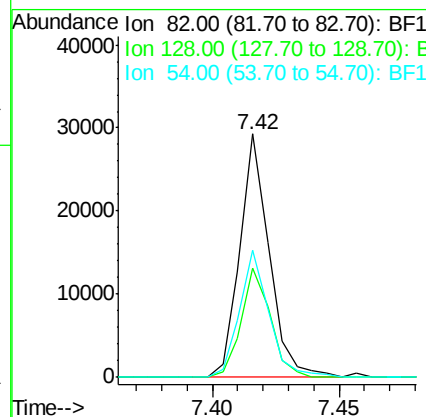
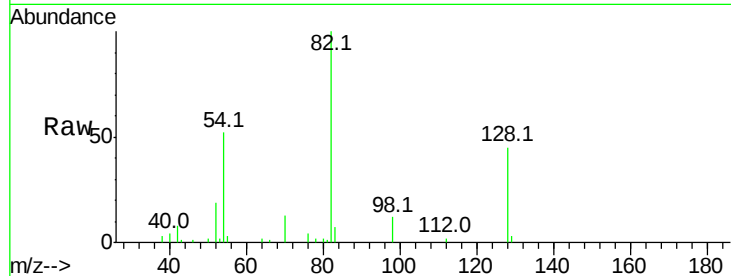
#23
Nitrobenzene-d5
Concen: 7.791 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF100947.D
Acq: 28 Nov 2017 21:14

Instrument :
BNA_F
ClientSampleId :
SB-8(0-2)-20171127

Tot Ion:	82	Resp:	23561
Ion Ratio	Lower	Upper	
82	100		
128	44.8	36.1	54.1
54	52.2	41.4	62.2

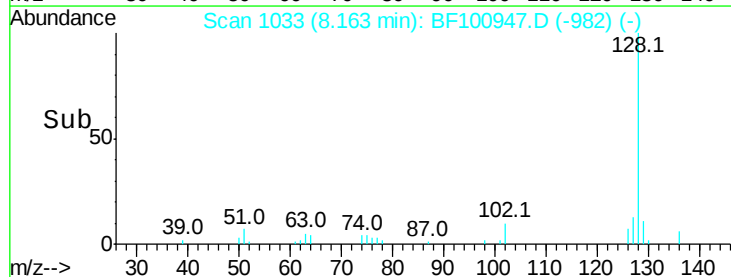
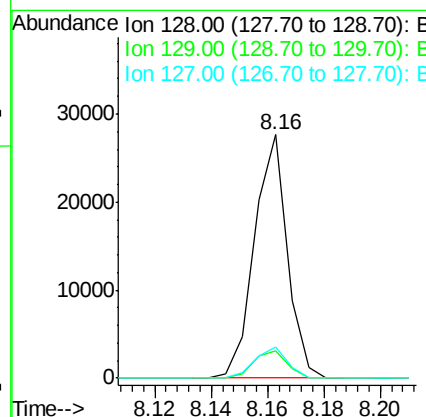
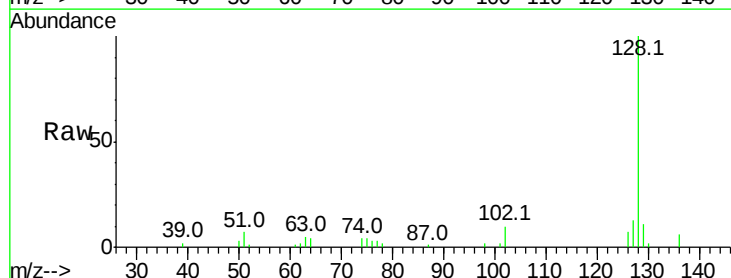
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#31
Naphthalene
Concen: 2.320 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.00 min
Lab File: BF100947.D
Acq: 28 Nov 2017 21:14

Tgt Ion:	128	Resp:	22340
Ion Ratio	Lower	Upper	
128	100		
129	11.2	8.8	13.2
127	13.0	10.9	16.3





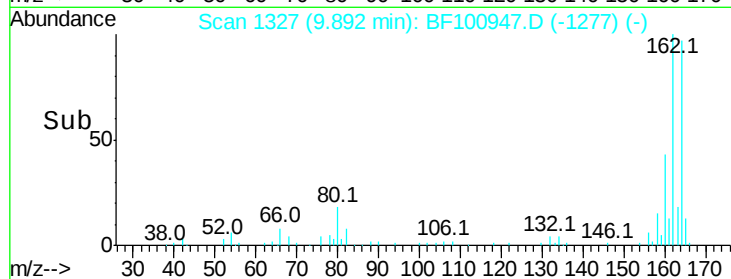
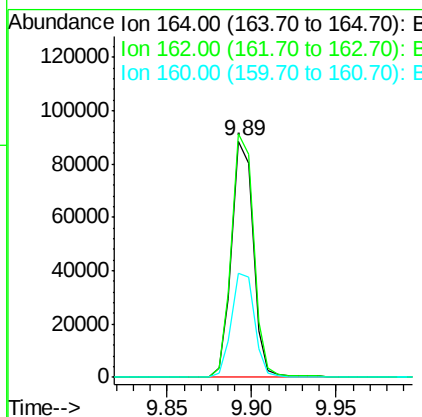
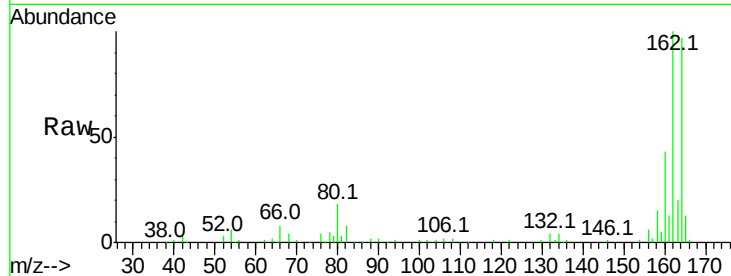
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF100947.D
 Acq: 28 Nov 2017 21:14

Instrument :
 BNA_F
 ClientSampleId :
 SB-8(0-2)-20171127

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.0	86.1	129.1
160	43.8	38.3	57.5

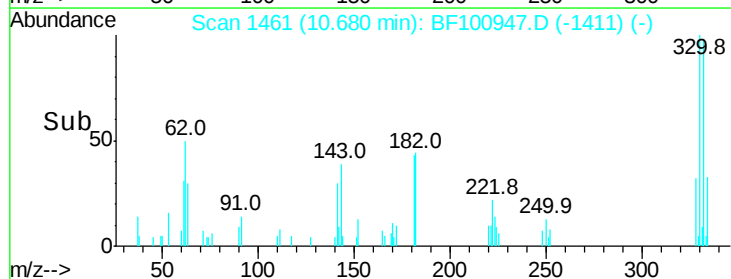
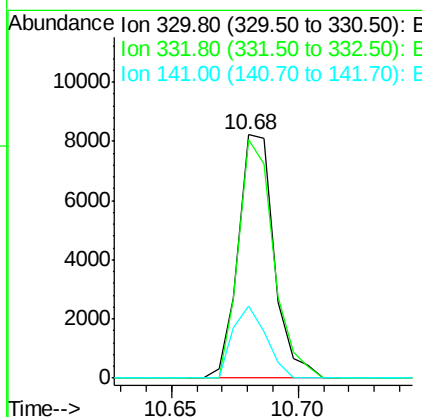
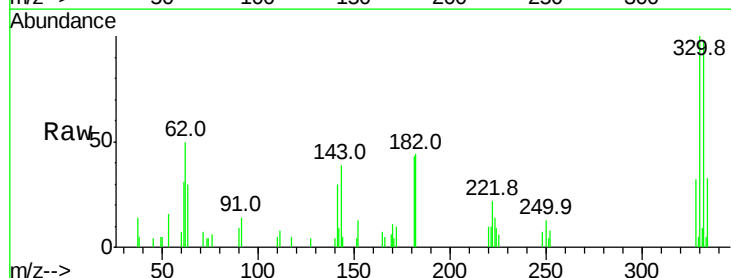
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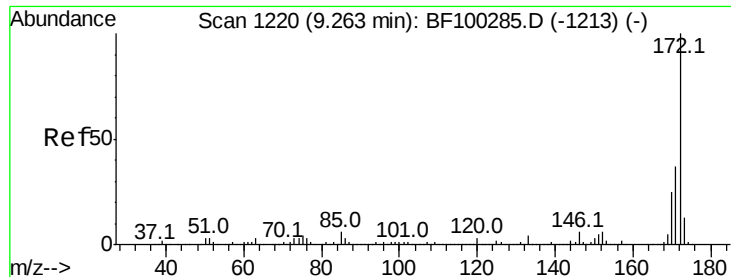
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#41
 2,4,6-Tribromophenol
 Concen: 10.040 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF100947.D
 Acq: 28 Nov 2017 21:14

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.0	115.6
141	27.0	29.9	44.9#





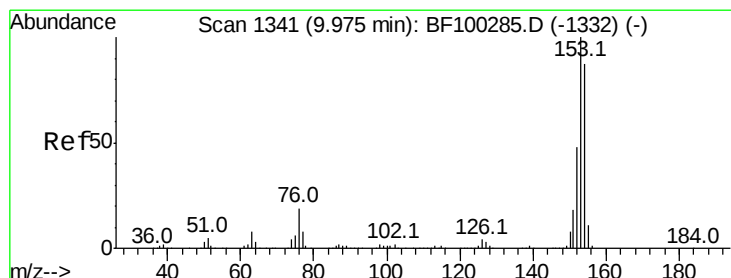
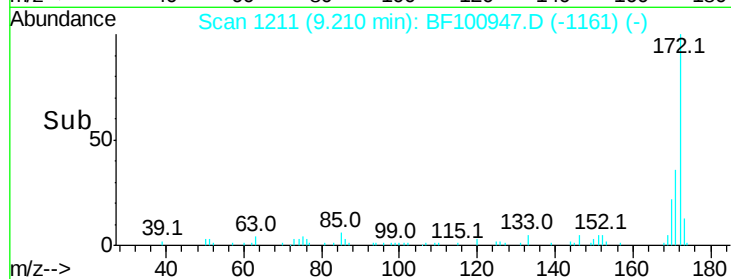
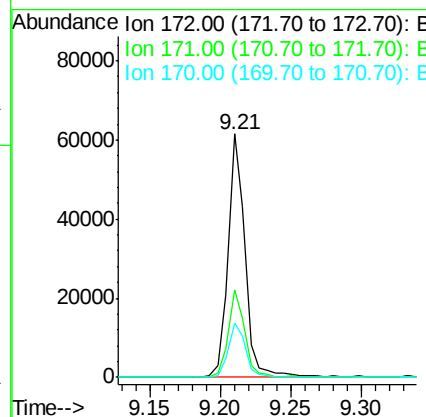
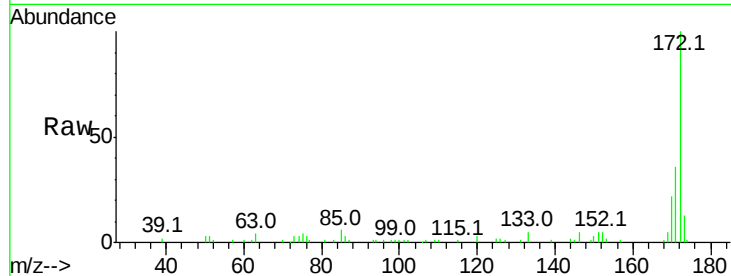
#44
 2-Fluorobiphenyl
 Concen: 9.852 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF100947.D
 Acq: 28 Nov 2017 21:14

Instrument :
 BNA_F
 ClientSampleId :
 SB-8(0-2)-20171127

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	22.2	19.6	29.4

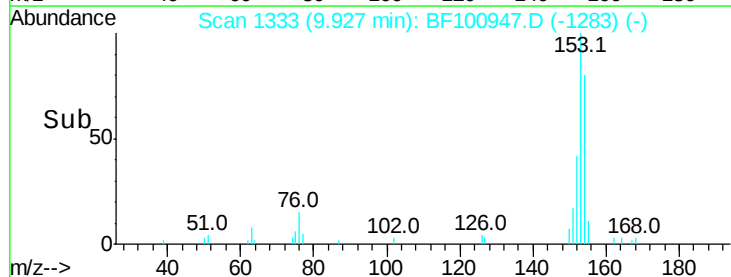
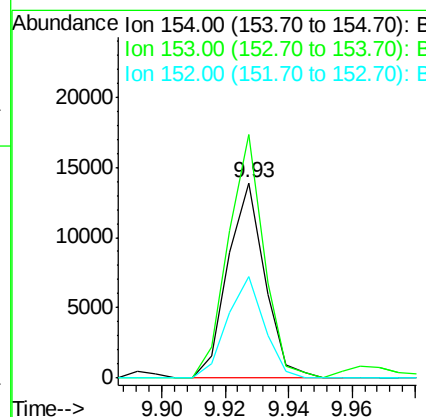
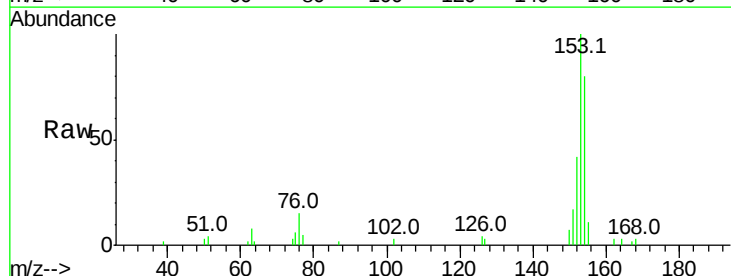
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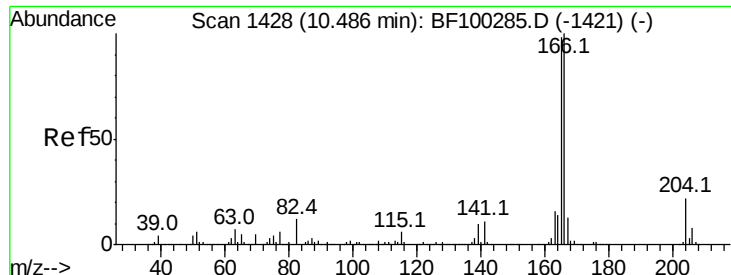
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#51
 Acenaphthene
 Concen: 2.215 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: BF100947.D
 Acq: 28 Nov 2017 21:14

Tgt Ion	Ratio	Lower	Upper
154	100		
153	124.7	91.2	136.8
152	52.0	43.8	65.8





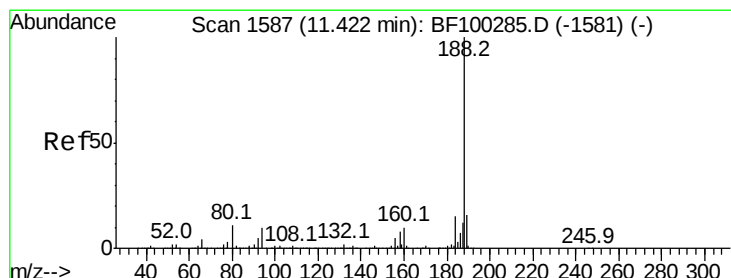
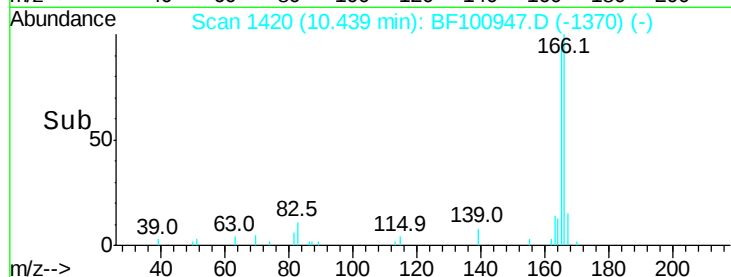
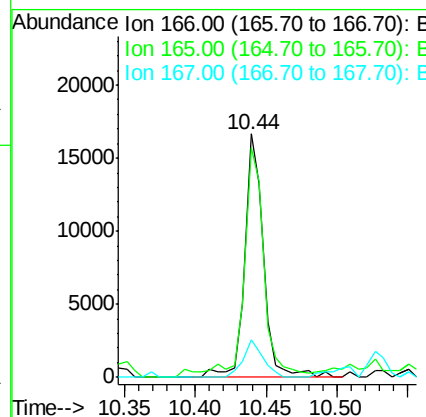
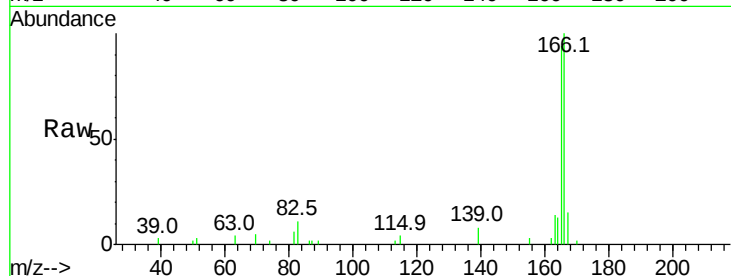
#57
Fluorene
 Concen: 2.976 ng
 RT: 10.44 min Scan# 1420
 Delta R.T. -0.01 min
 Lab File: BF100947.D
 Acq: 28 Nov 2017 21:14

Instrument :
 BNA_F
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 SB-8(0-2)-20171127

Tot Ion	Ratio	Lower	Upper
166	100		
165	94.3	79.8	119.8
167	15.5	10.6	16.0

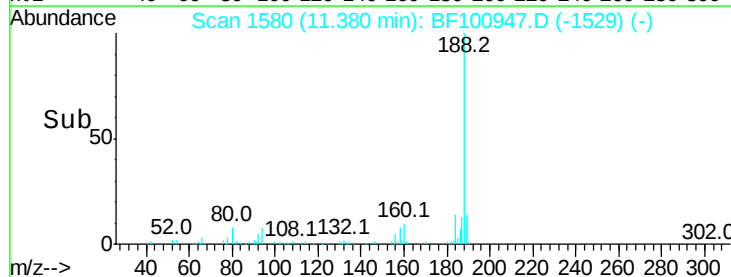
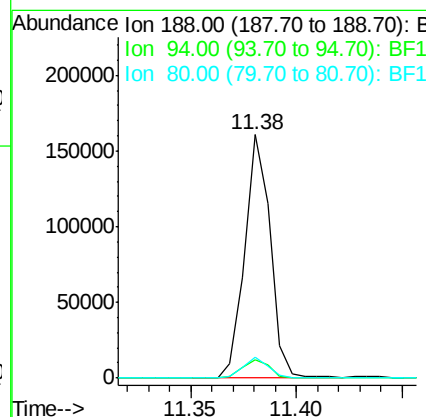
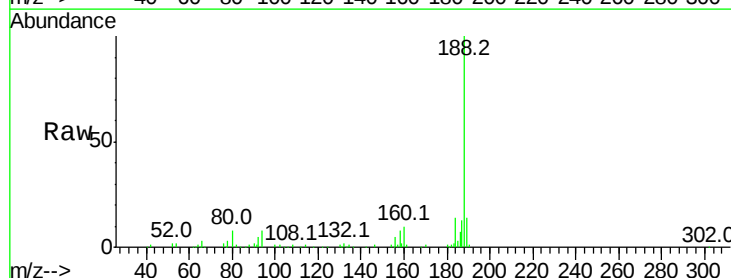
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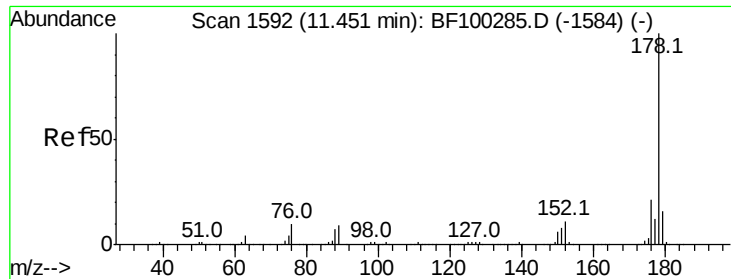
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.00 min
 Lab File: BF100947.D
 Acq: 28 Nov 2017 21:14

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





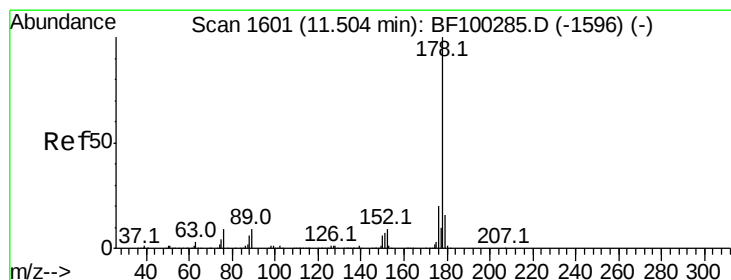
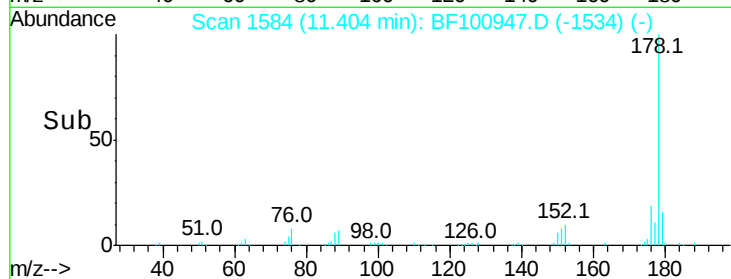
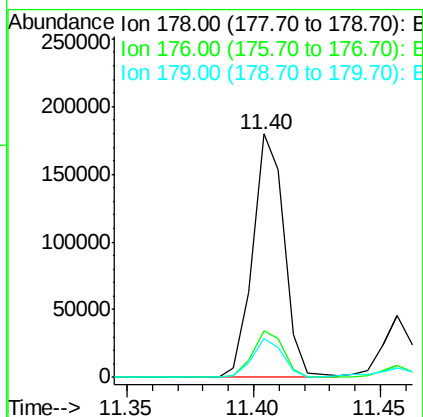
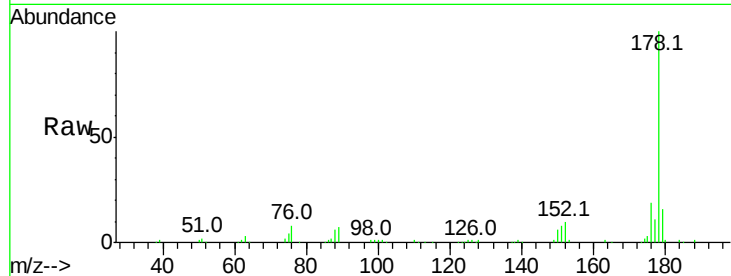
#70
Phenanthrene
Concen: 22.132 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF100947.D
Acq: 28 Nov 2017 21:14

Instrument :
BNA_F
ClientSampleId :
SB-8(0-2)-20171127

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	15.8	13.0	19.6

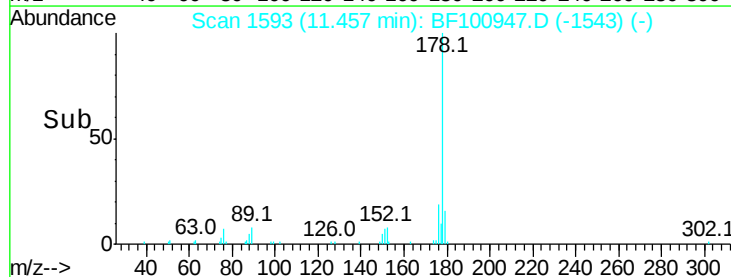
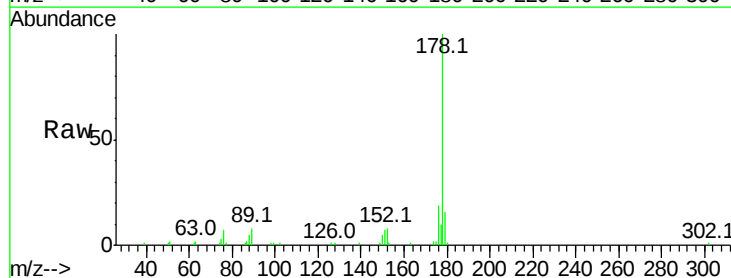
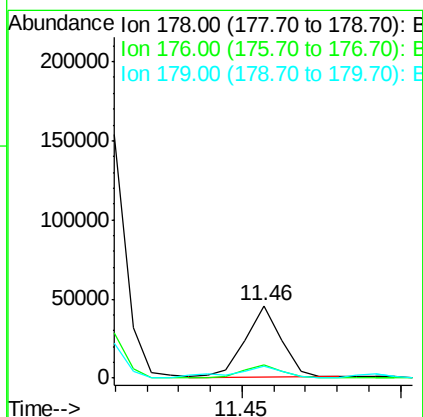
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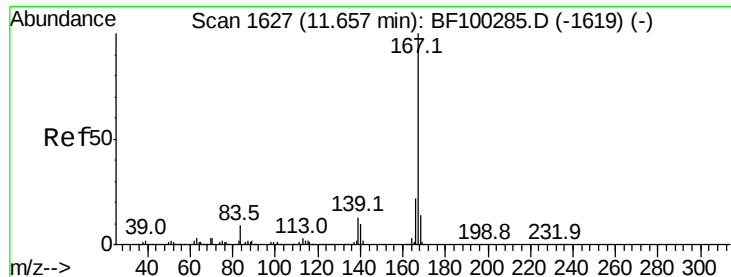
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#71
Anthracene
Concen: 5.003 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF100947.D
Acq: 28 Nov 2017 21:14

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.2
179	15.7	12.6	19.0





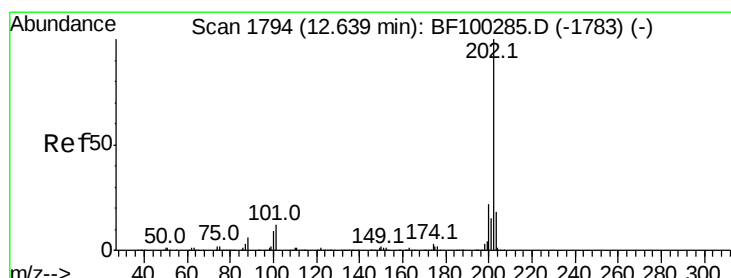
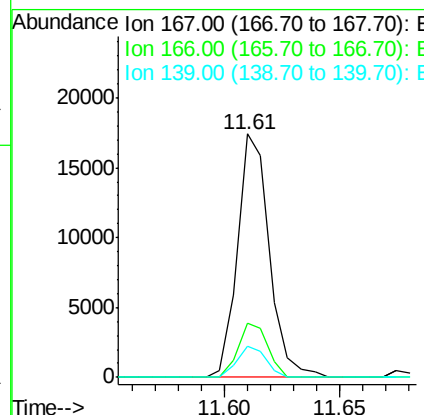
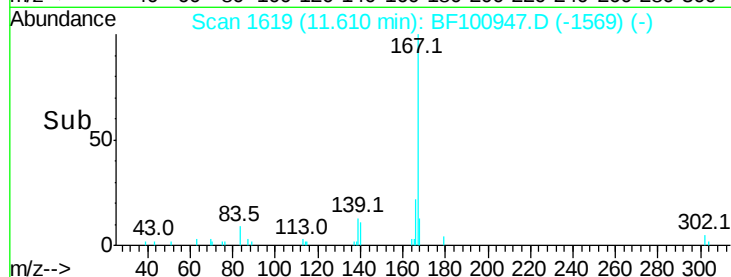
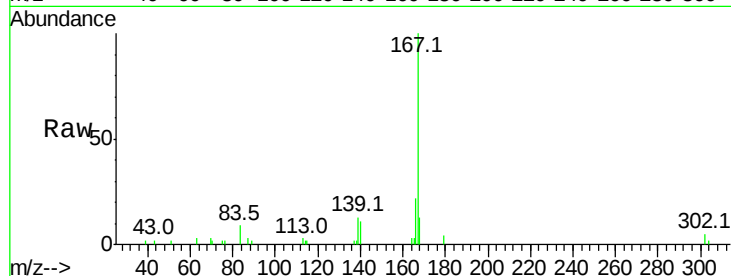
#72
 Carbazole
 Concen: 2.532 ng
 RT: 11.61 min Scan# 1619
 Delta R.T. -0.01 min
 Lab File: BF100947.D
 Acq: 28 Nov 2017 21:14

Instrument :
 BNA_F
 ClientSampleId :
 SB-8(0-2)-20171127

Tot Ion	Ratio	Resp	Lower	Upper
167	100	16738		
166	22.1		17.6	26.4
139	13.0		10.9	16.3

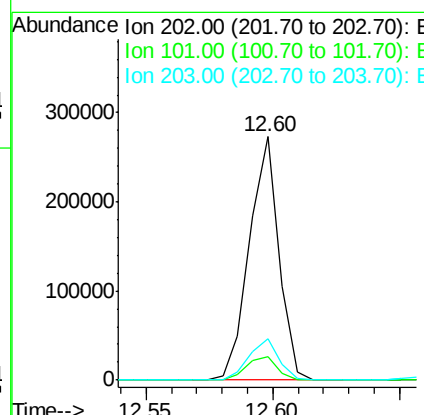
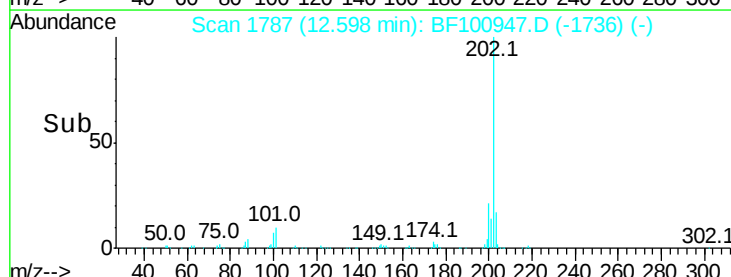
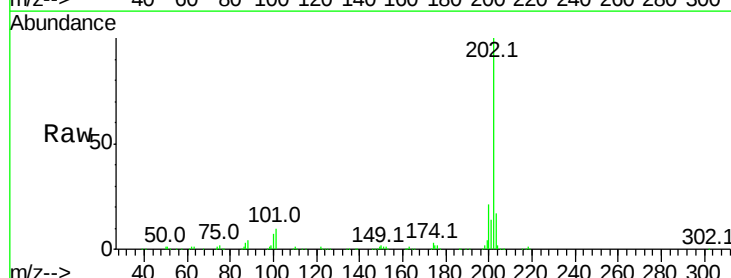
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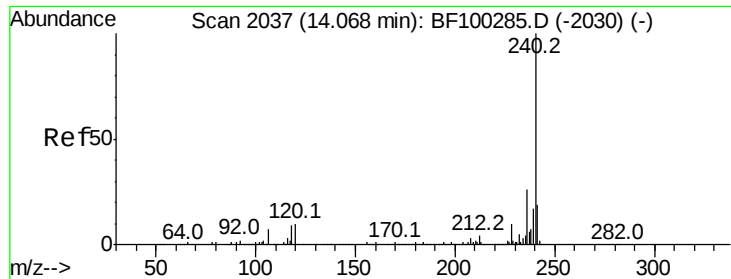
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#74
 Fluoranthene
 Concen: 29.625 ng
 RT: 12.60 min Scan# 1787
 Delta R.T. -0.00 min
 Lab File: BF100947.D
 Acq: 28 Nov 2017 21:14

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	221738		
101	9.9		0.0	34.1
203	17.0		0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF100947.D

Acq: 28 Nov 2017 21:14

Instrument :

BNA_F

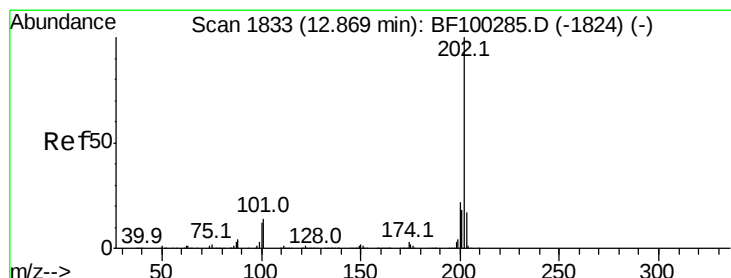
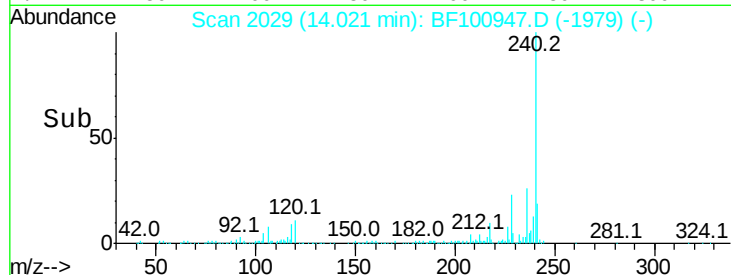
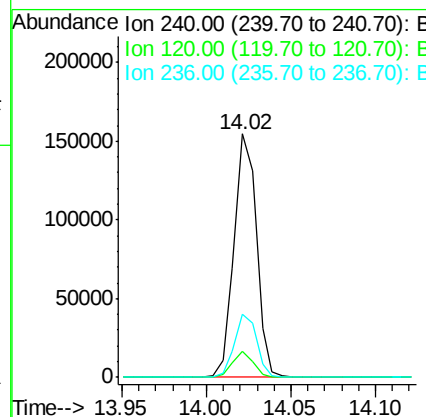
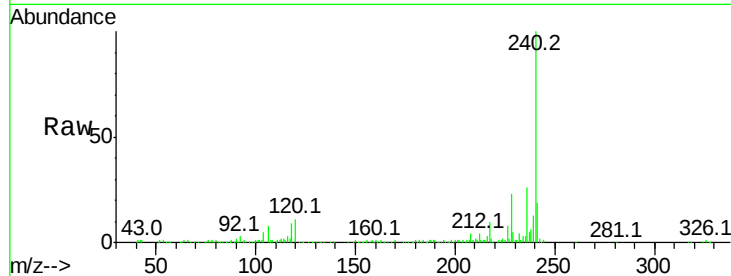
ClientSampleId :

SB-8(0-2)-20171127

Tot Ion:	240	Resp:	142846
Ion Ratio	Lower	Upper	
240	100		
120	10.7	9.5	14.3
236	25.7	20.7	31.1

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#77

Pyrene

Concen: 18.860 ng

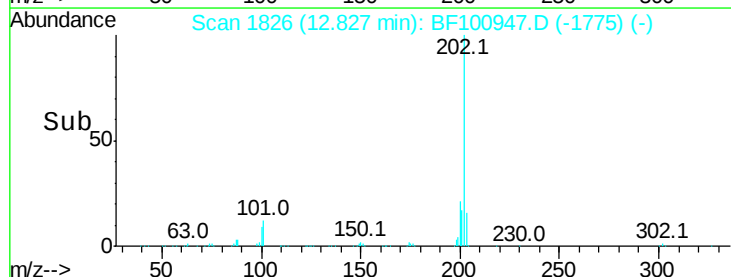
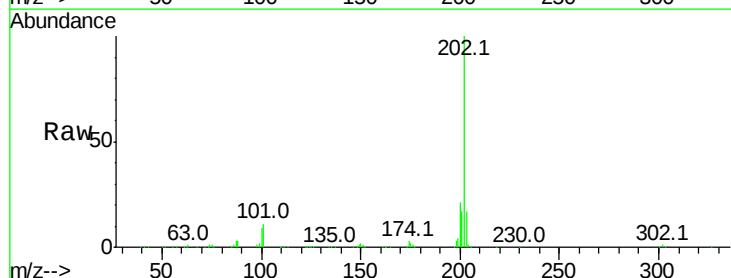
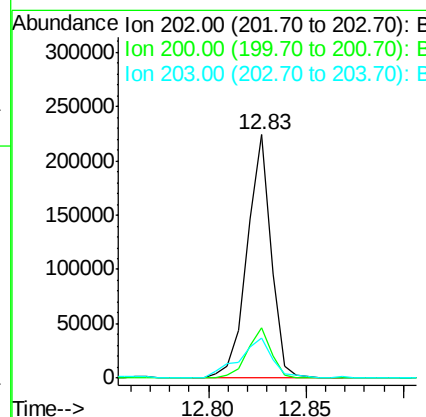
RT: 12.83 min Scan# 1826

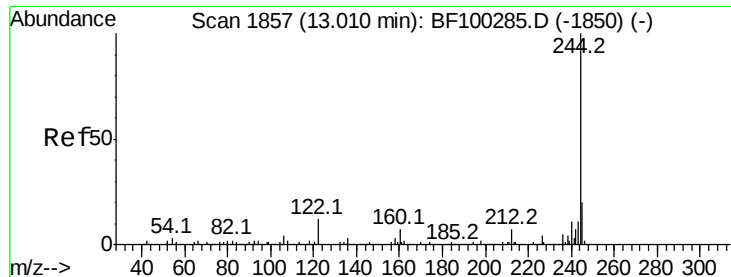
Delta R.T. -0.00 min

Lab File: BF100947.D

Acq: 28 Nov 2017 21:14

Tgt Ion:	202	Resp:	192045
Ion Ratio	Lower	Upper	
202	100		
200	20.7	17.4	26.2
203	16.6	14.3	21.5





#78

Terphenyl-d14

Concen: 7.480 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF100947.D

Acq: 28 Nov 2017 21:14

Instrument :

BNA_F

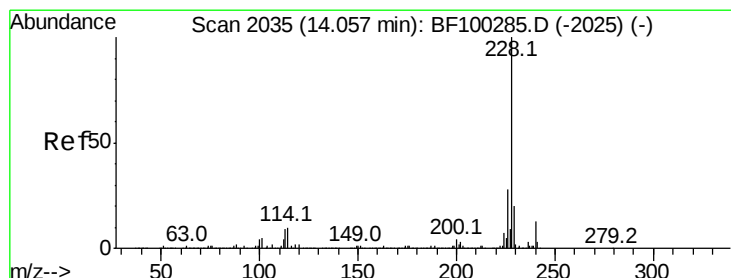
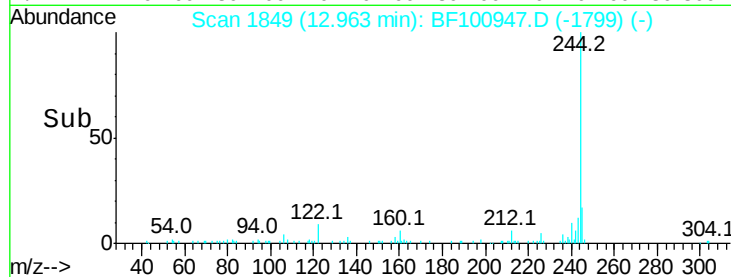
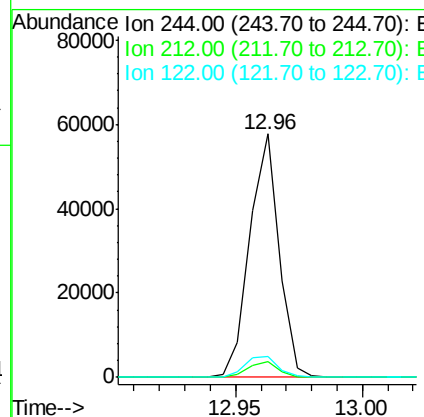
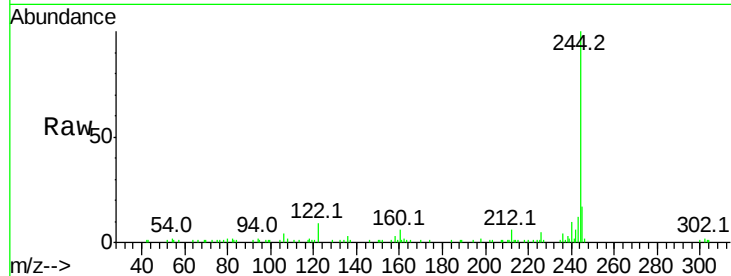
ClientSampleId :

SB-8(0-2)-20171127

Tot Ion:	244	Resp:	46504
Ion Ratio	Lower	Upper	
244	100		
212	6.5	5.4	8.0
122	8.6	11.0	16.4#

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#80

Benzo(a)anthracene

Concen: 12.022 ng

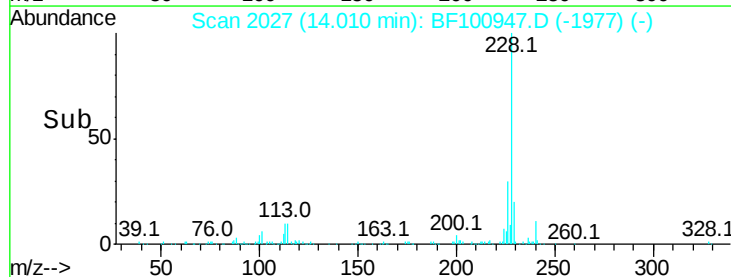
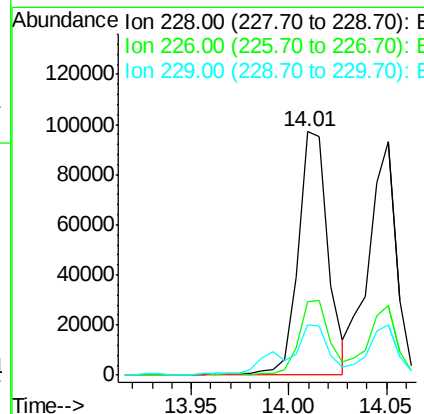
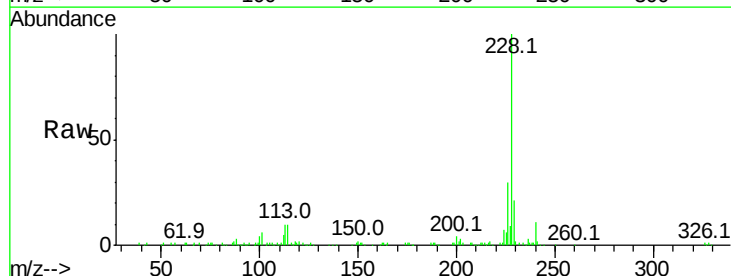
RT: 14.01 min Scan# 2027

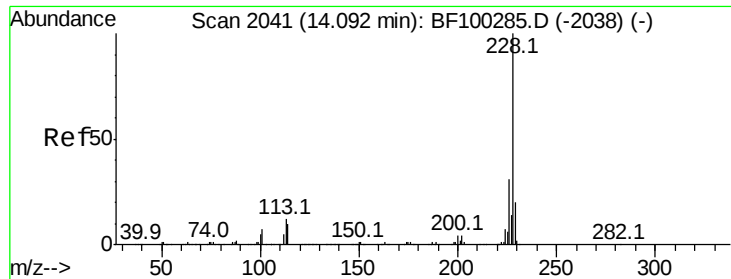
Delta R.T. -0.01 min

Lab File: BF100947.D

Acq: 28 Nov 2017 21:14

Tgt Ion:	228	Resp:	103414
Ion Ratio	Lower	Upper	
228	100		
226	29.9	22.6	33.8
229	20.6	15.8	23.6





#82

Chrysene

Concen: 11.046 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF100947.D

Acq: 28 Nov 2017 21:14

Instrument :

BNA_F

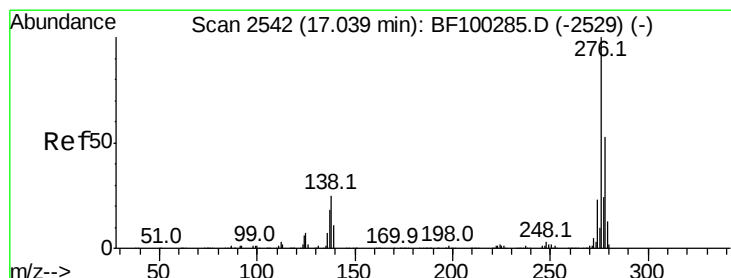
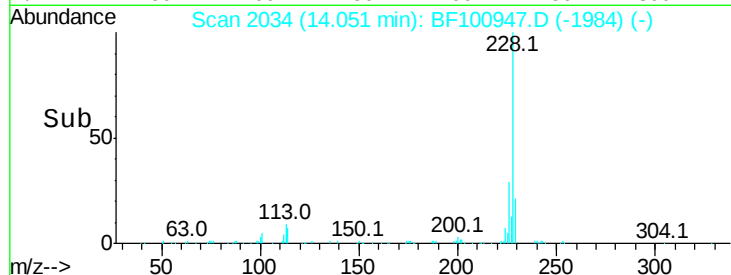
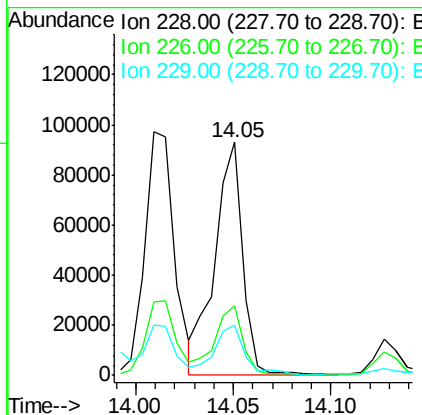
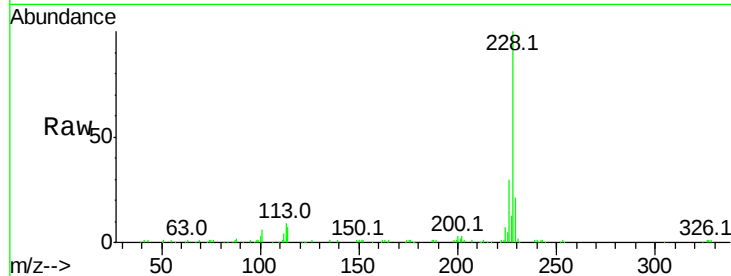
ClientSampleId :

SB-8(0-2)-20171127

Tot Ion:	228	Resp:	92013
Ion Ratio	Lower	Upper	
228	100		
226	29.8	25.0	37.6
229	21.5	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 5.509 ng

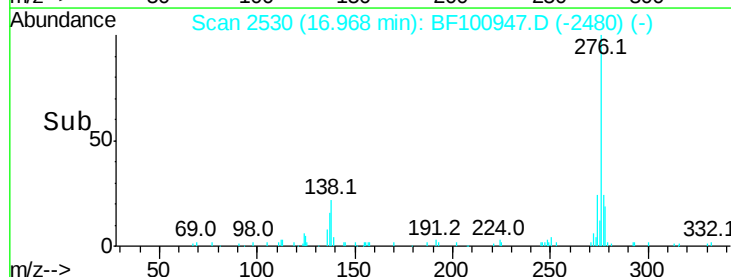
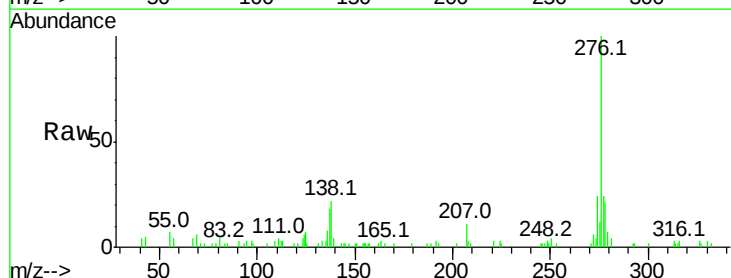
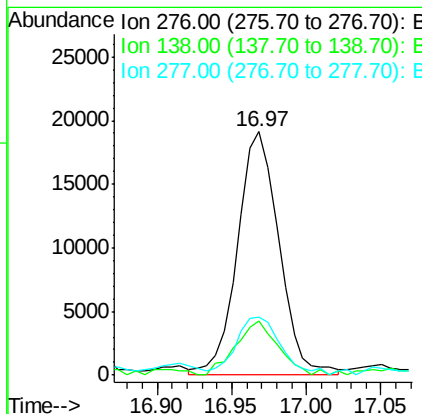
RT: 16.97 min Scan# 2530

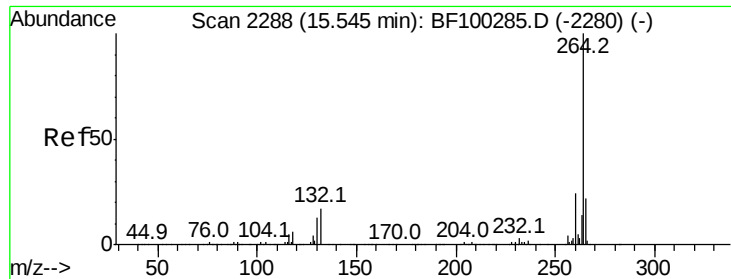
Delta R.T. -0.01 min

Lab File: BF100947.D

Acq: 28 Nov 2017 21:14

Tgt Ion:	276	Resp:	37120
Ion Ratio	Lower	Upper	
276	100		
138	22.3	25.0	37.6#
277	25.6	20.1	30.1





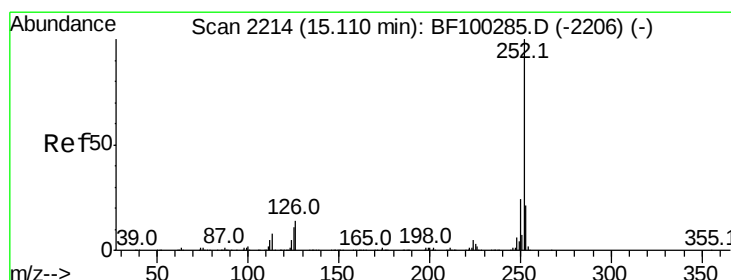
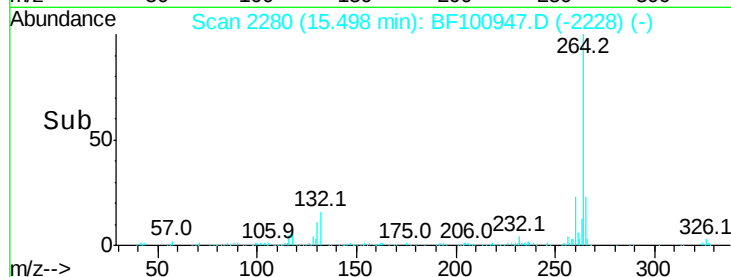
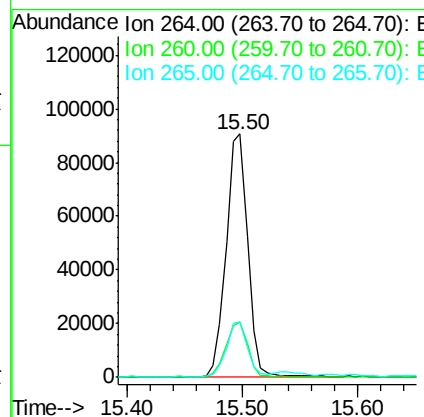
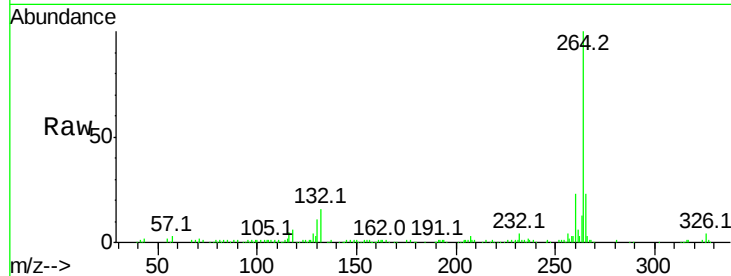
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.01 min
Lab File: BF100947.D
Acq: 28 Nov 2017 21:14

Instrument :
BNA_F
ClientSampleId :
SB-8(0-2)-20171127

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	22.9	17.5	26.3

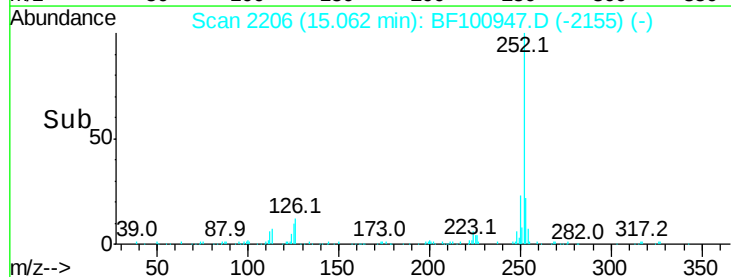
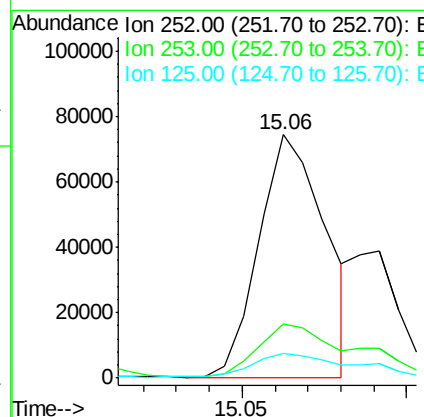
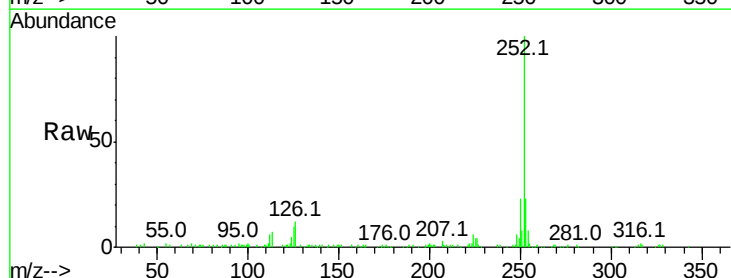
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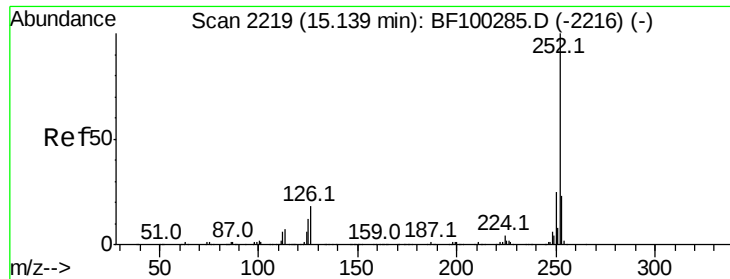
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#87
Benzo(b)fluoranthene
Concen: 14.947 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.00 min
Lab File: BF100947.D
Acq: 28 Nov 2017 21:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	10.1	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 5.716 ng m

RT: 15.09 min Scan# 2211

Delta R.T. -0.01 min

Lab File: BF100947.D

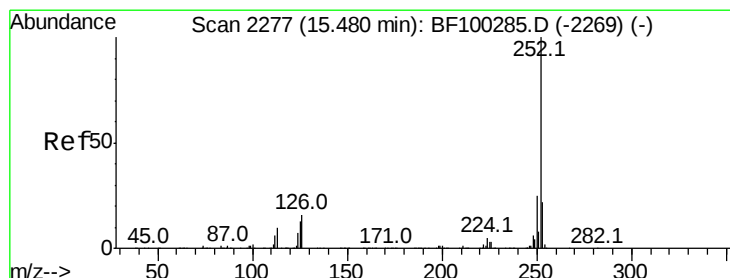
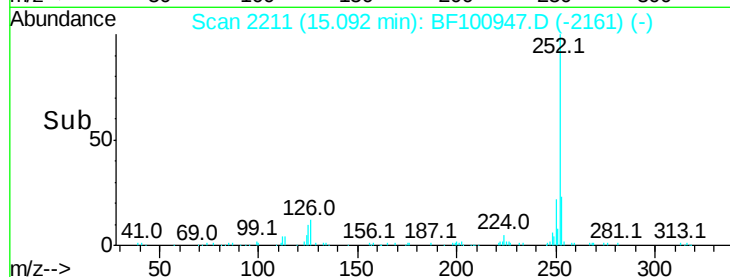
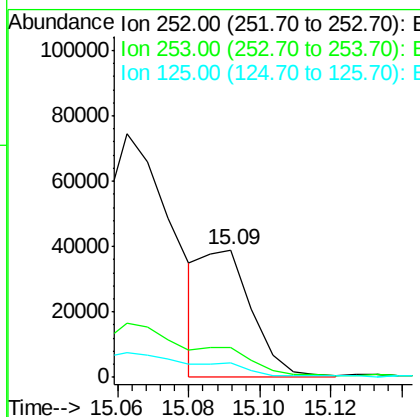
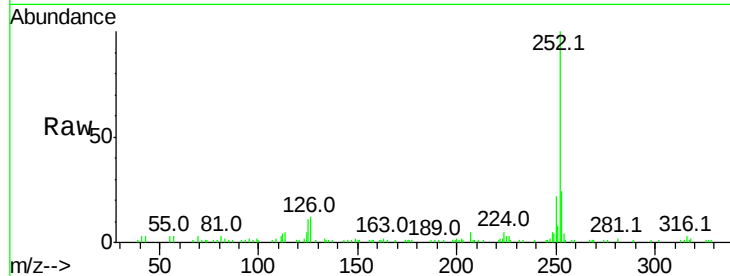
Acq: 28 Nov 2017 21:14

Instrument :
BNA_F
ClientSampleId :
SB-8(0-2)-20171127

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	10.9	10.2	15.2

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#89

Benzo(a)pyrene

Concen: 11.172 ng

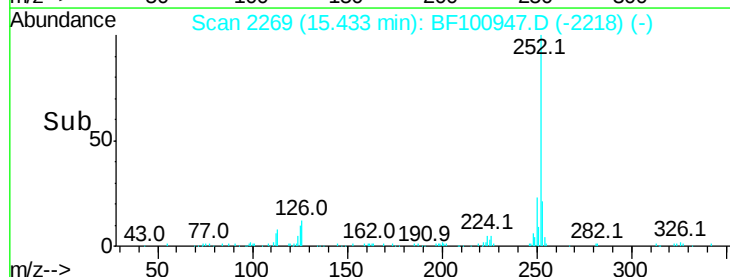
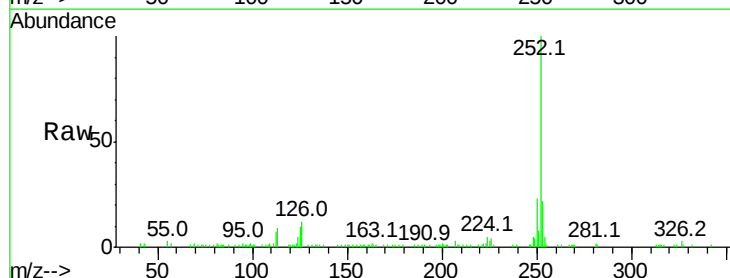
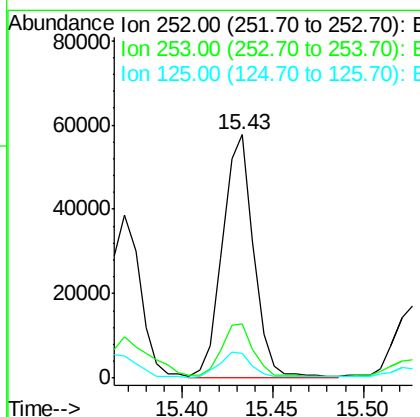
RT: 15.43 min Scan# 2269

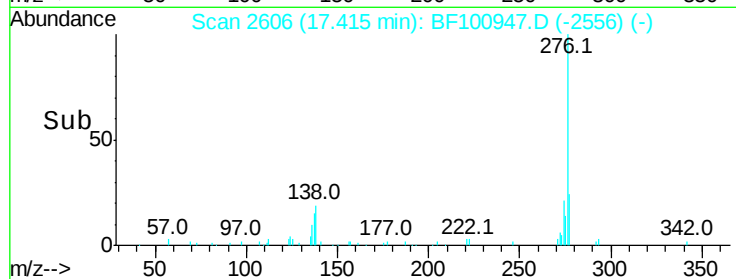
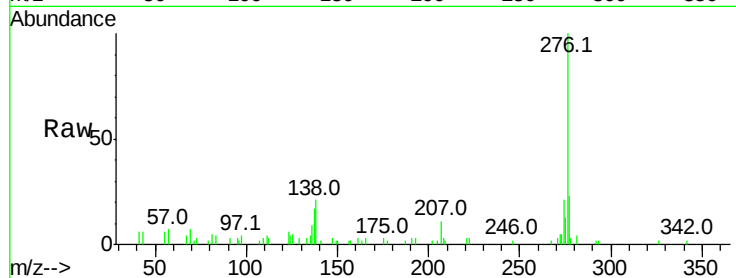
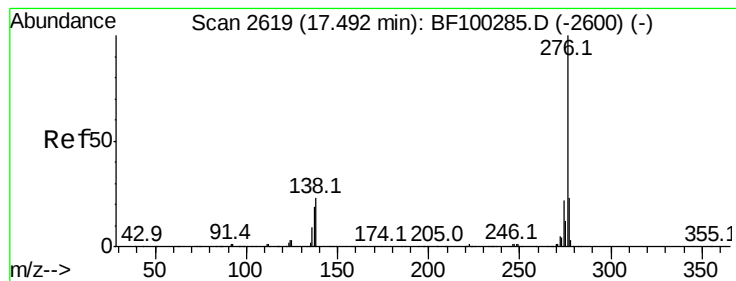
Delta R.T. -0.00 min

Lab File: BF100947.D

Acq: 28 Nov 2017 21:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.1	25.7
125	10.3	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 6.997 ng

RT: 17.42 min Scan# 2606

Delta R.T. -0.01 min

Lab File: BF100947.D

Acq: 28 Nov 2017 21:14

Instrument :

BNA_F

ClientSampleId :

SB-8(0-2)-20171127

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.1	17.9	26.9
138	20.8	21.8	32.8

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