

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
 Data File : BF101092.D
 Acq On : 4 Dec 2017 12:42
 Operator : SJ/JU
 Sample : I6620-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(6-8)-20171128

Manual Integrations
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Quant Time: Dec 04 15:48:24 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	53108	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	208856	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	100047	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	181958	20.00	ng	0.00
75) Chrysene-d12	14.02	240	120680	20.00	ng	0.00
86) Perylene-d12	15.50	264	128629	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	352546	109.69	ng	0.00
7) Phenol-d6	6.49	99	431506	110.59	ng	0.00
23) Nitrobenzene-d5	7.41	82	266075	76.00	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	115956	96.48	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	526234	71.97	ng	0.00
78) Terphenyl-d14	12.96	244	426453	77.29	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.49	94	12503	2.88	ng	87
48) Acenaphthylene	9.75	152	26324	2.46	ng	99
49) Dimethylphthalate	9.59	163	34964	4.33	ng	# 99
51) Acenaphthene	9.92	154	19585	3.06	ng	99
57) Fluorene	10.43	166	24209	3.23	ng	98
70) Phenanthrene	11.40	178	488787	48.78	ng	98
71) Anthracene	11.45	178	91757	9.05	ng	99
72) Carbazole	11.60	167	34155	3.69	ng	98
74) Fluoranthene	12.60	202	587384	52.88	ng	94
77) Pyrene	12.83	202	584620	70.21	ng	99
80) Benzo(a)anthracene	14.01	228	298516	39.18	ng	98
82) Chrysene	14.05	228	257611	36.40	ng	95
85) Indeno(1,2,3-cd)pyrene	16.97	276	112026	17.81	ng	# 89
87) Benzo(b)fluoranthene	15.07	252	283419m	36.79	ng	
88) Benzo(k)fluoranthene	15.09	252	119067m	15.69	ng	
89) Benzo(a)pyrene	15.43	252	225288	32.16	ng	98
90) Dibenzo(a,h)anthracene	16.98	278	35225	5.70	ng	93
91) Benzo(g,h,i)perylene	17.43	276	109430	18.80	ng	# 91

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

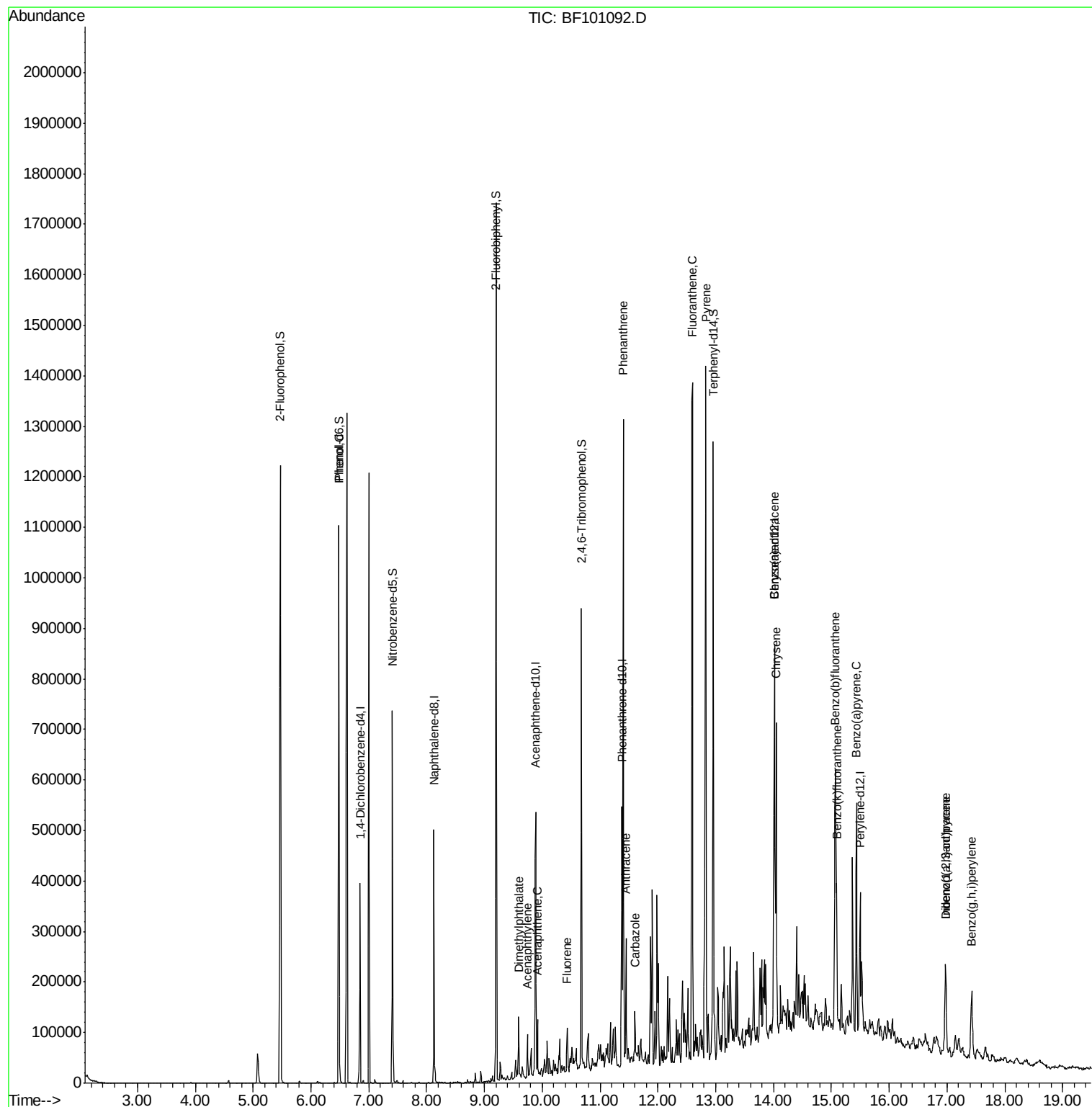
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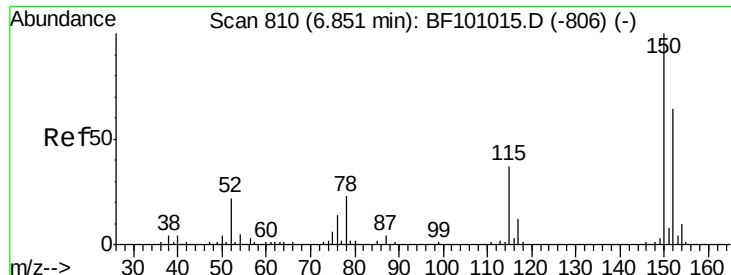
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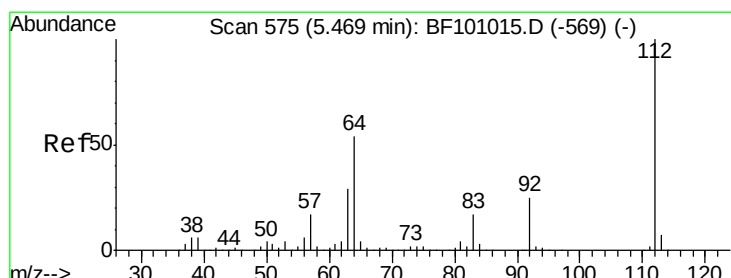
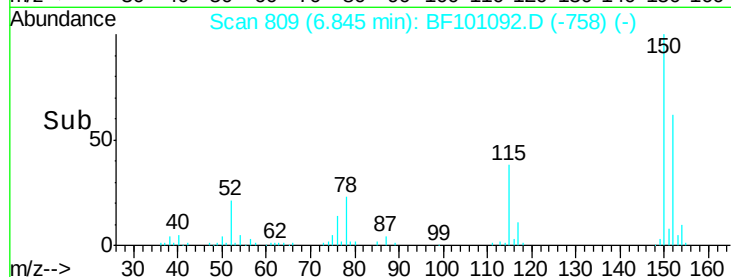
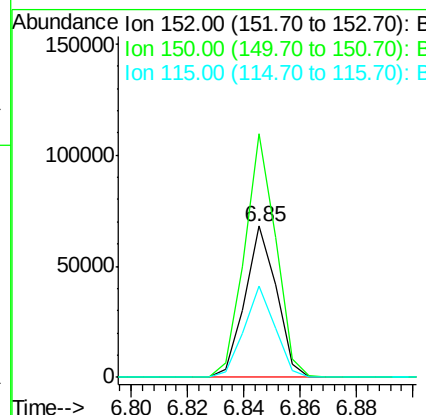
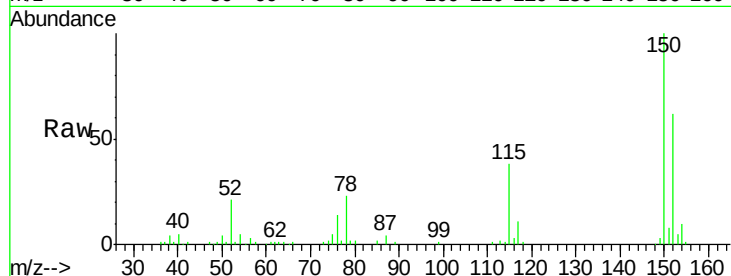
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.85 min Scan# 809
 Delta R.T. 0.00 min
 Lab File: BF101092.D
 Acq: 4 Dec 2017 12:42

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(6-8)-20171128

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.8	124.6	186.8
115	60.5	50.1	75.1

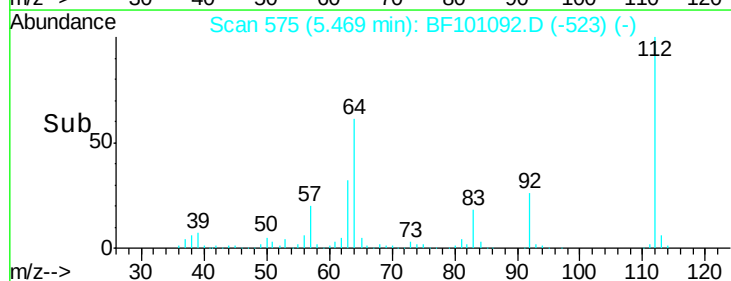
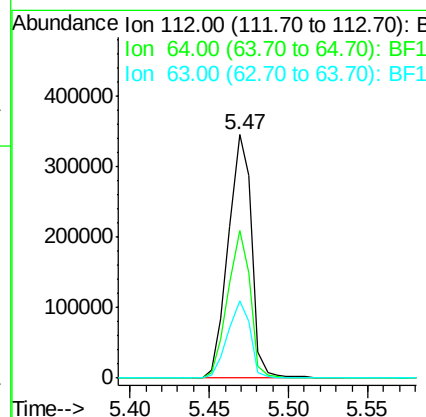
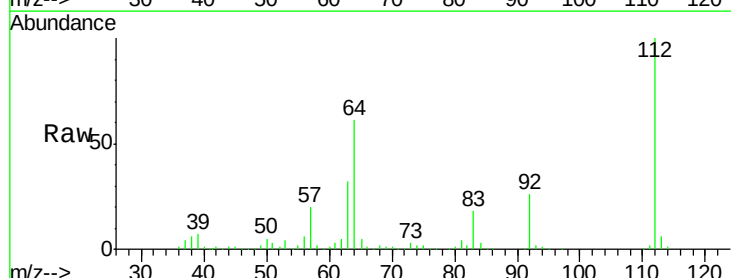
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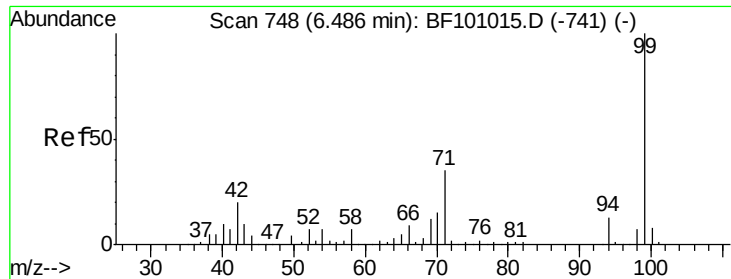
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#5
 2-Fluorophenol
 Concen: 109.69 ng
 RT: 5.47 min Scan# 575
 Delta R.T. 0.01 min
 Lab File: BF101092.D
 Acq: 4 Dec 2017 12:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.8	47.9	71.9
63	31.8	23.7	35.5





#7

Phenol-d6

Concen: 110.59 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.01 min

Lab File: BF101092.D

Acq: 4 Dec 2017 12:42

Instrument :

BNA_F

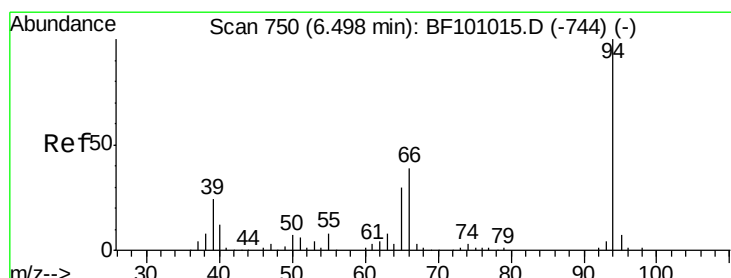
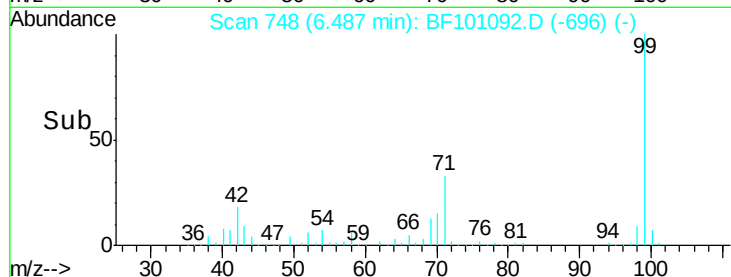
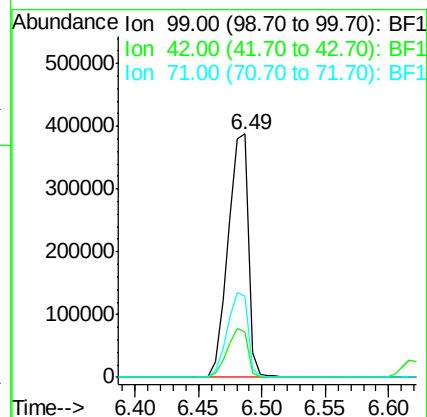
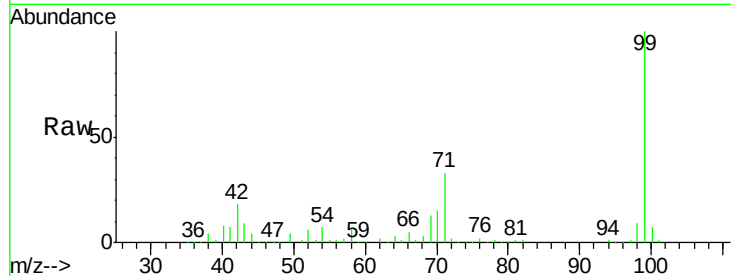
ClientSampleId :

SB-1(6-8)-20171128

Tot Ion:	99	Resp:	431506
Ion Ratio	Lower	Upper	
99	100		
42	18.5	14.5	21.7
71	33.5	25.4	38.0

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#10

Phenol

Concen: 2.88 ng

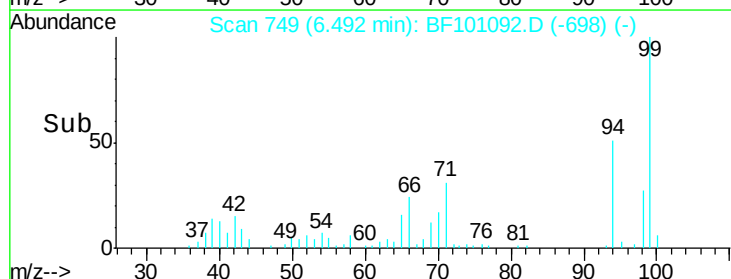
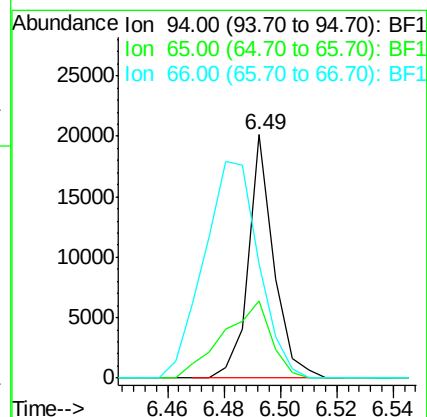
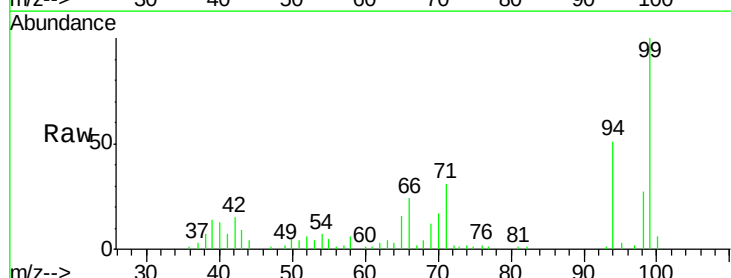
RT: 6.49 min Scan# 749

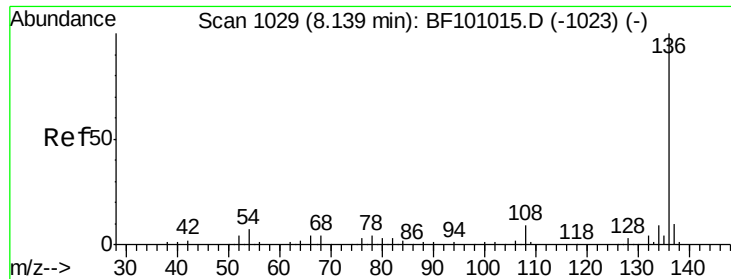
Delta R.T. 0.00 min

Lab File: BF101092.D

Acq: 4 Dec 2017 12:42

Tgt Ion:	94	Resp:	12503
Ion Ratio	Lower	Upper	
94	100		
65	31.9	7.9	47.9
66	46.8	16.2	56.2





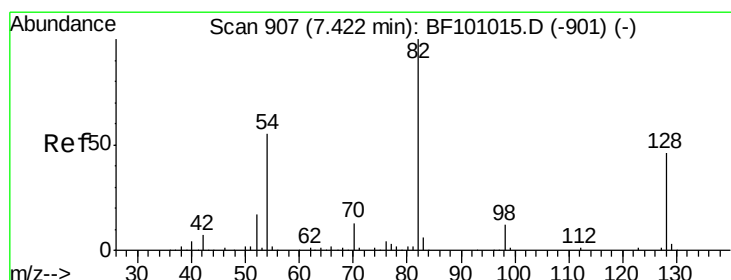
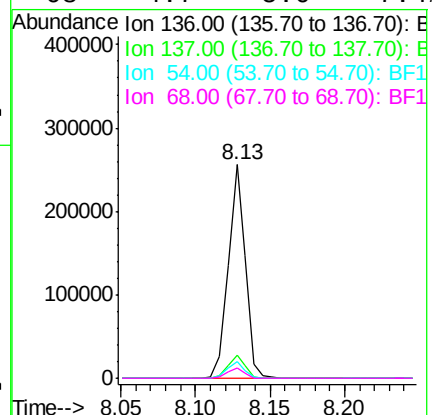
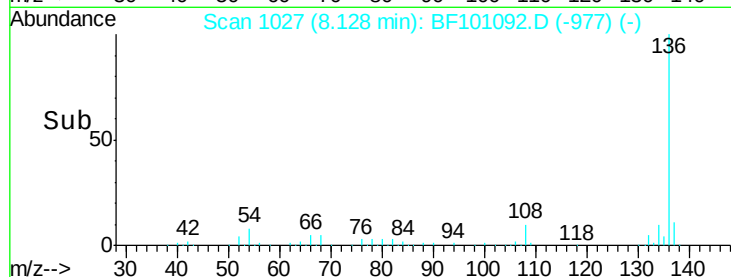
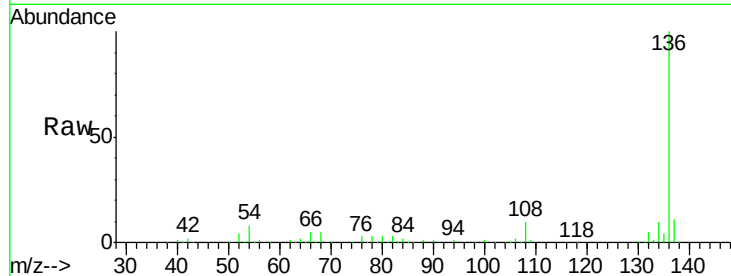
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF101092.D
Acq: 4 Dec 2017 12:42

Instrument :
BNA_F
ClientSampleId :
SB-1(6-8)-20171128

Tot Ion	Ratio	Resp	Lower	Upper
136	100	208856		
137	10.7		8.9	13.3
54	7.8		6.6	9.8
68	4.7		5.0	7.4#

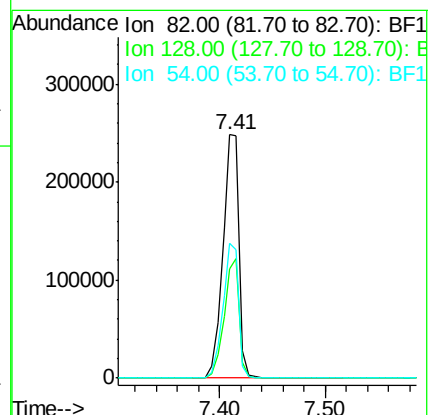
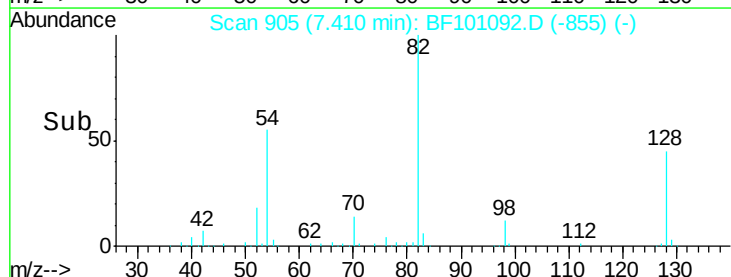
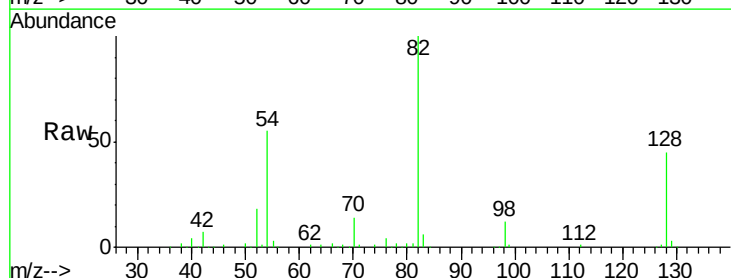
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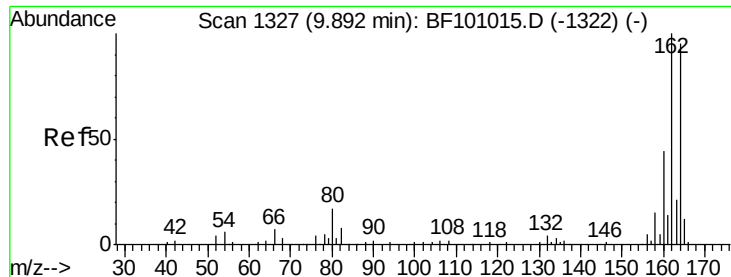
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#23
Nitrobenzene-d5
Concen: 76.00 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF101092.D
Acq: 4 Dec 2017 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	266075		
128	44.8		36.1	54.1
54	55.5		41.4	62.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.89 min Scan# 1326

Delta R.T. 0.00 min

Lab File: BF101092.D

Acq: 4 Dec 2017 12:42

Instrument :

BNA_F

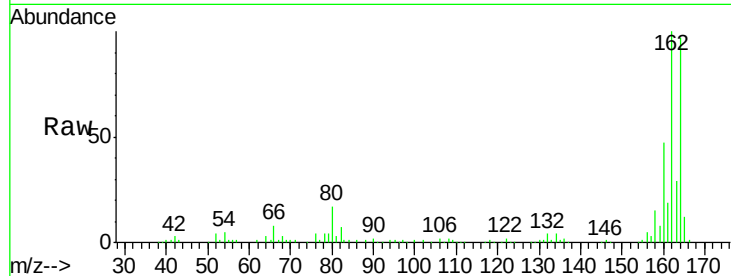
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SB-1(6-8)-20171128

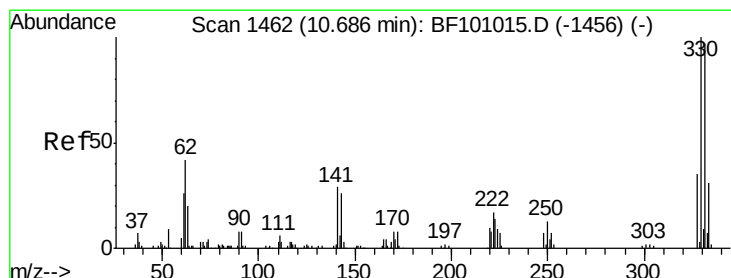
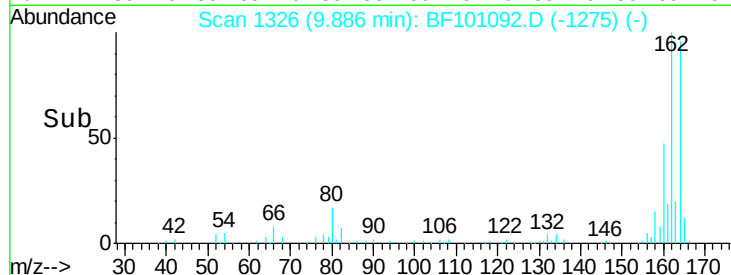
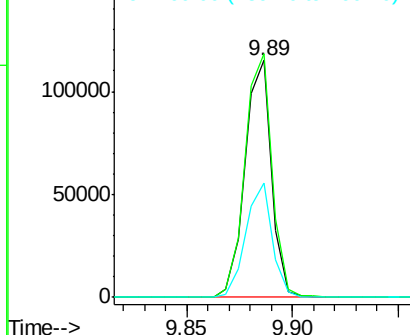
Tot Ion:	164	Resp:	100047
Ion Ratio	Lower	Upper	
164	100		
162	102.9	86.1	129.1
160	48.3	38.3	57.5

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



#41

2,4,6-Tribromophenol

Concen: 96.48 ng

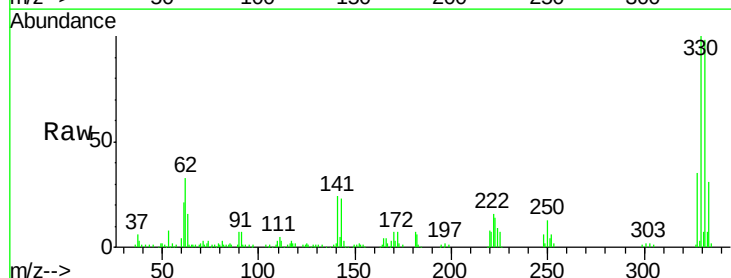
RT: 10.68 min Scan# 1461

Delta R.T. 0.00 min

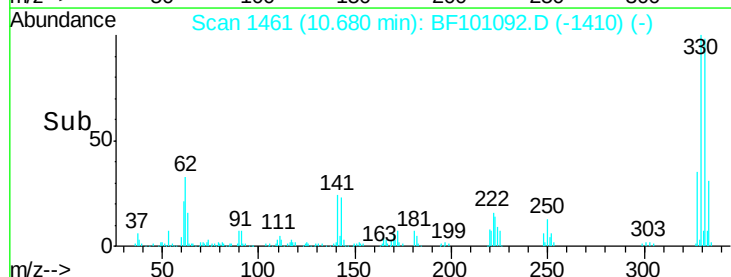
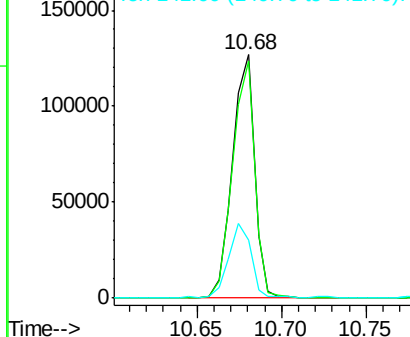
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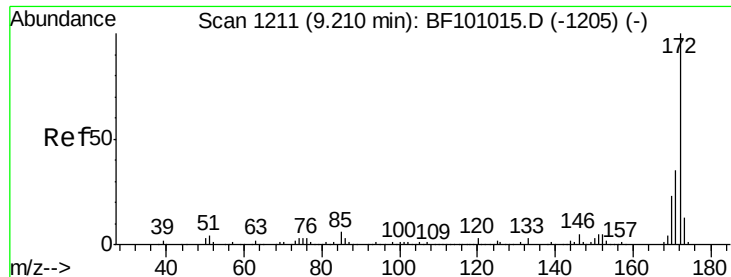
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Tgt Ion:	330	Resp:	115956
Ion Ratio	Lower	Upper	
330	100		
332	97.2	77.0	115.6
141	31.9	29.9	44.9



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





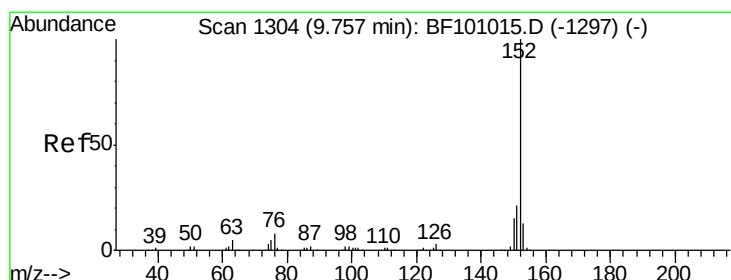
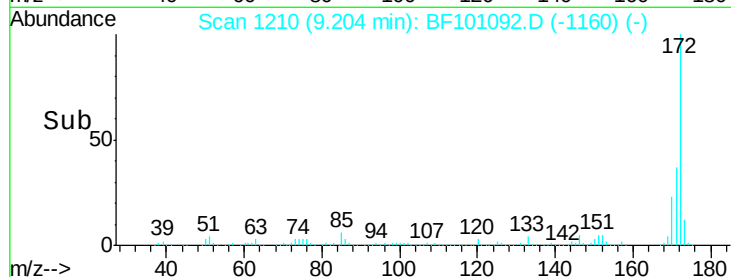
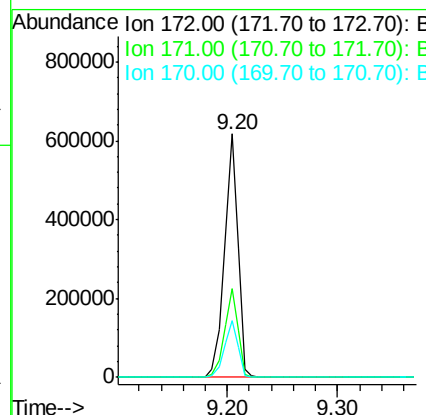
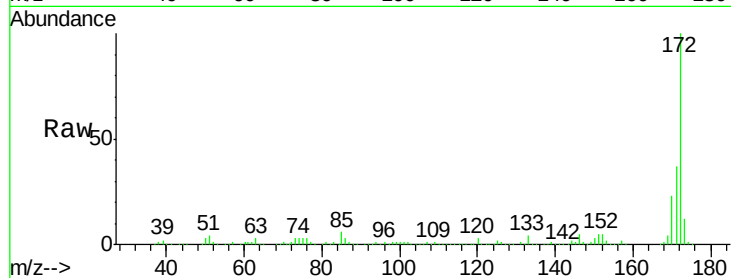
#44
2-Fluorobiphenyl
Concen: 71.97 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF101092.D
Acq: 4 Dec 2017 12:42

Instrument :
BNA_F
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SB-1(6-8)-20171128

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	23.5	19.6	29.4

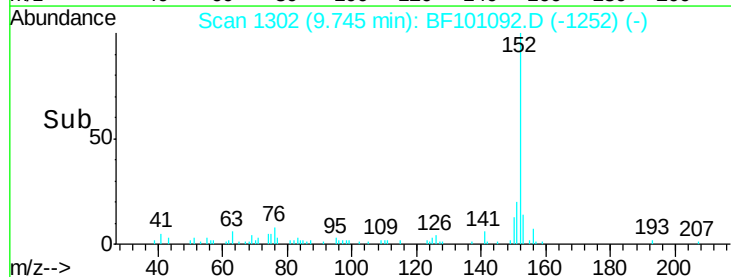
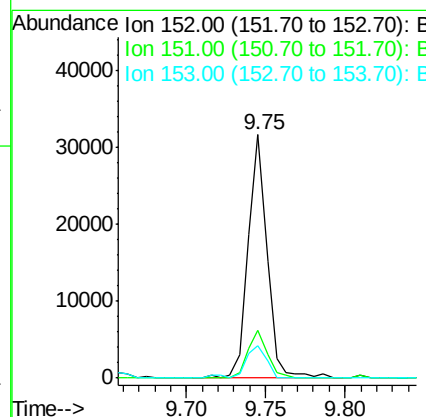
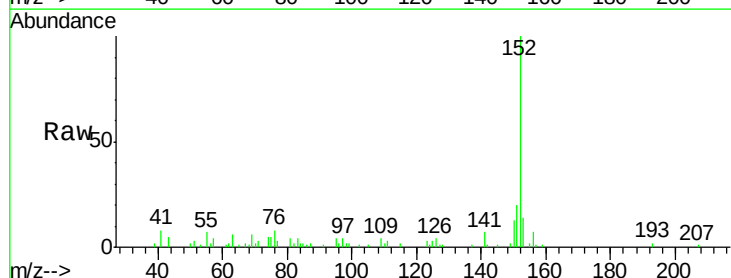
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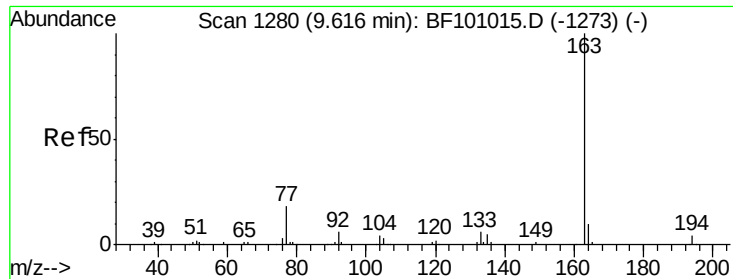
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#48
Acenaphthylene
Concen: 2.46 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF101092.D
Acq: 4 Dec 2017 12:42

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.3	24.5
153	13.6	10.7	16.1





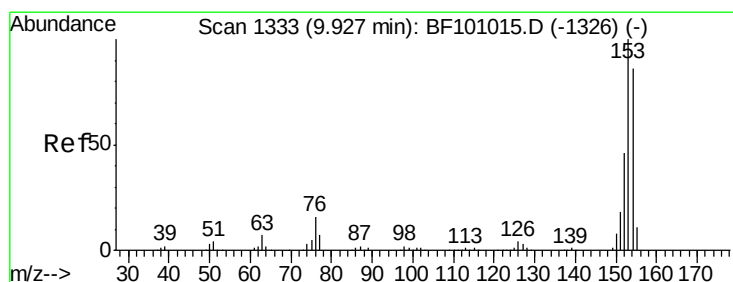
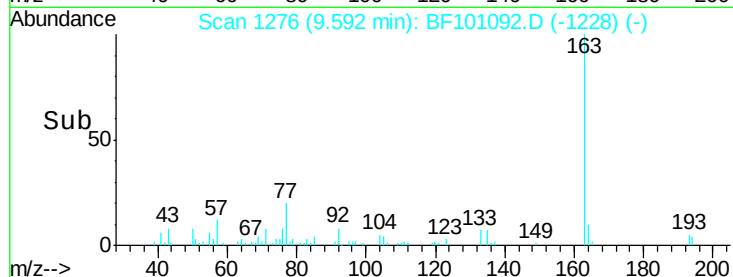
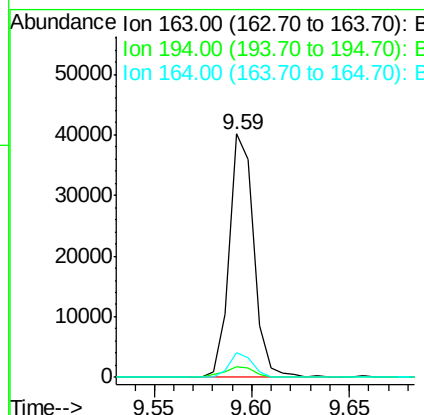
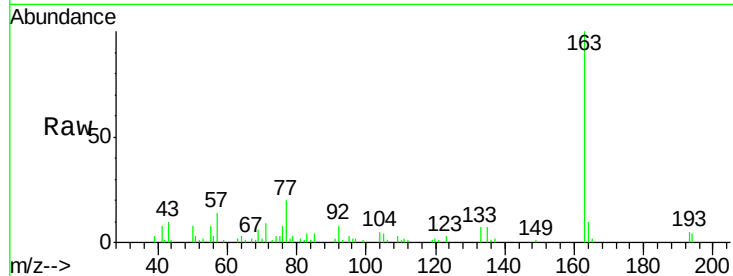
#49
Dimethylphthalate
Concen: 4.33 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF101092.D
Acq: 4 Dec 2017 12:42

Instrument :
BNA_F
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SB-1(6-8)-20171128

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.3	2.7	4.1#
164	9.9	8.2	12.2

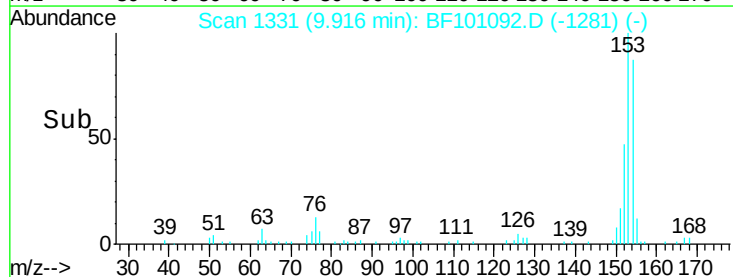
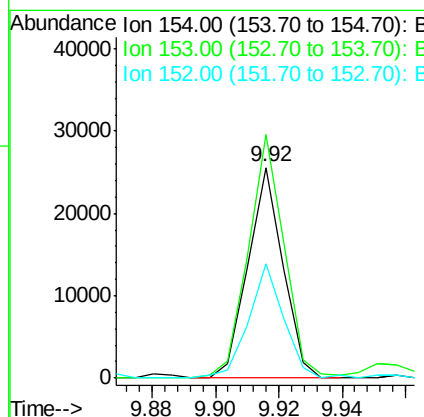
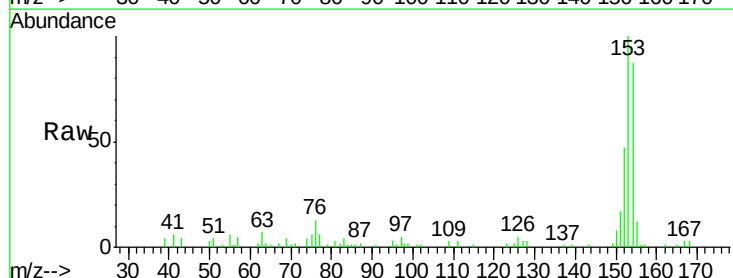
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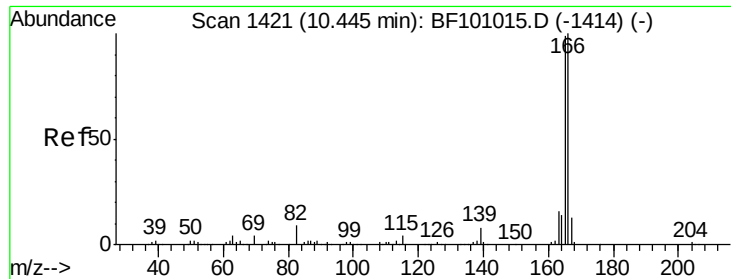
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#51
Acenaphthene
Concen: 3.06 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF101092.D
Acq: 4 Dec 2017 12:42

Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.5	91.2	136.8
152	54.3	43.8	65.8





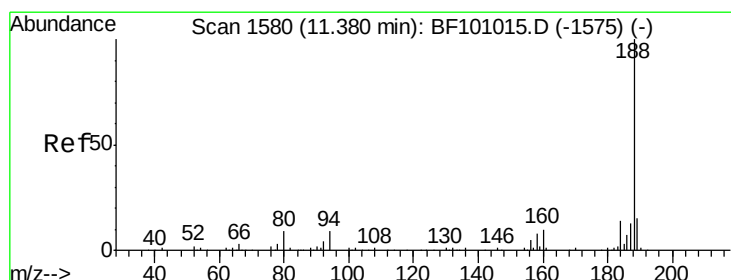
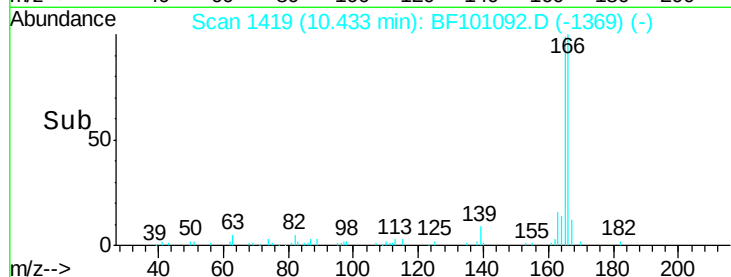
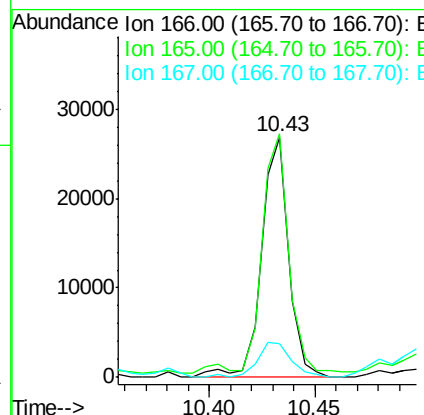
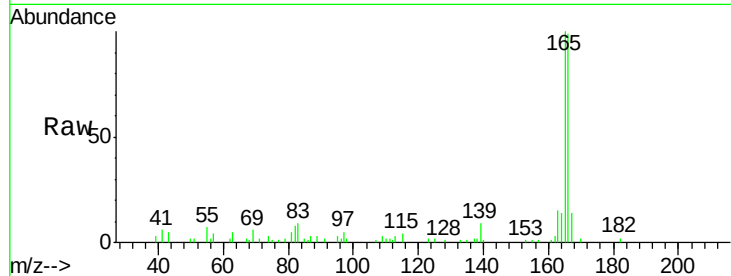
#57
Fluorene
 Concen: 3.23 ng
 RT: 10.43 min Scan# 1419
 Delta R.T. -0.01 min
 Lab File: BF101092.D
 Acq: 4 Dec 2017 12:42

Instrument :
 BNA_F
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 SB-1(6-8)-20171128

Tot Ion	Ratio	Lower	Upper
166	100		
165	101.3	79.8	119.8
167	13.9	10.6	16.0

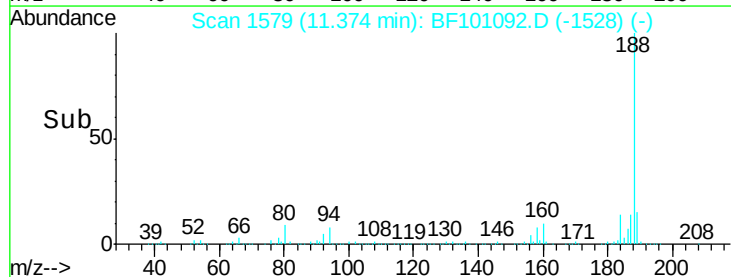
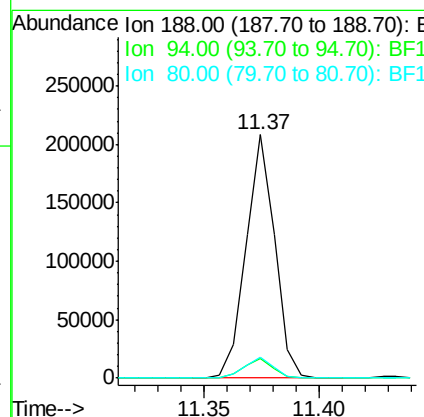
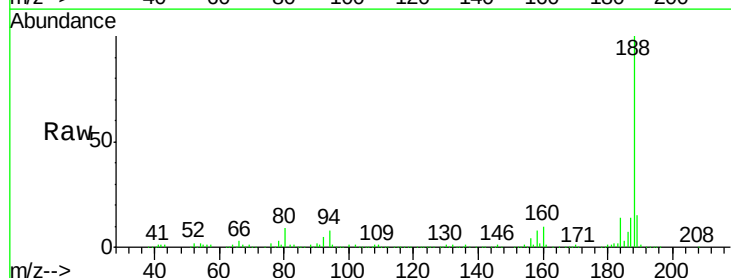
Manual Integrations
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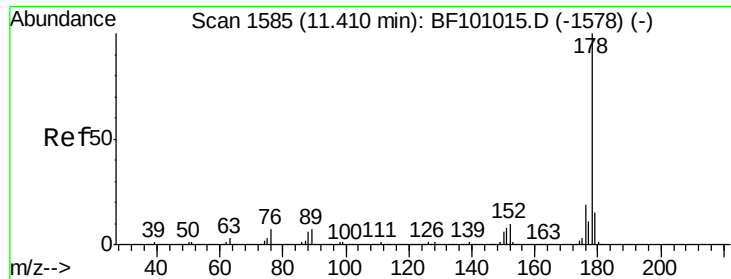
Sohil
 12/5/2017 3:24:09 PM



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: BF101092.D
 Acq: 4 Dec 2017 12:42

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.0	8.5	12.7#
80	8.8	9.2	13.8#





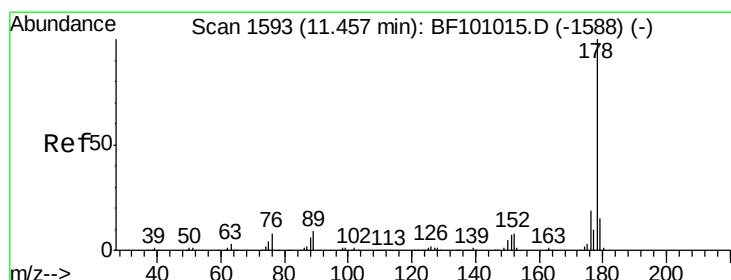
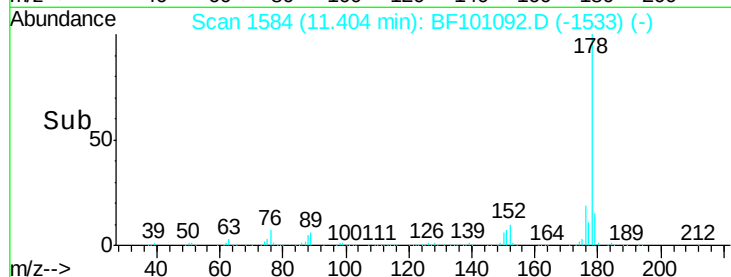
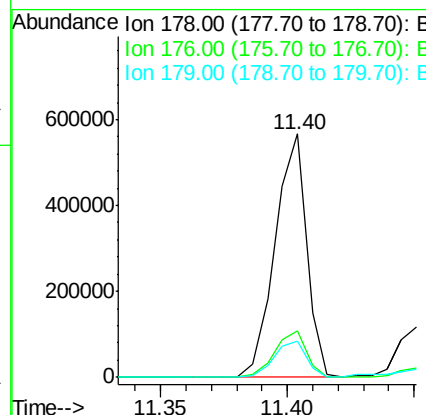
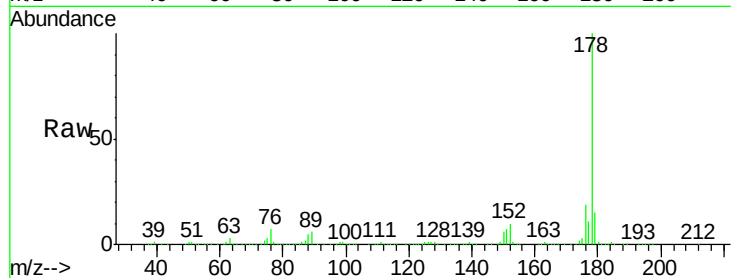
#70
Phenanthrene
Concen: 48.78 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.00 min
Lab File: BF101092.D
Acq: 4 Dec 2017 12:42

Instrument :
BNA_F
ClientSampleId :
SB-1(6-8)-20171128

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	14.9	13.0	19.6

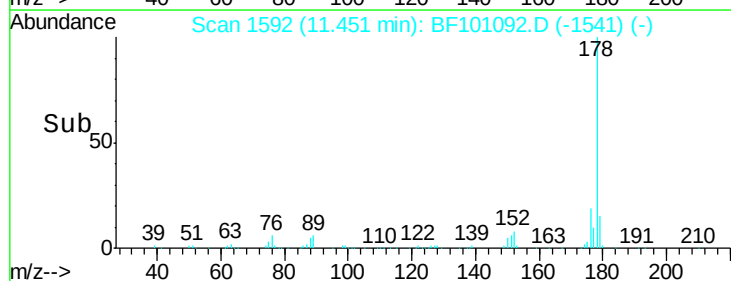
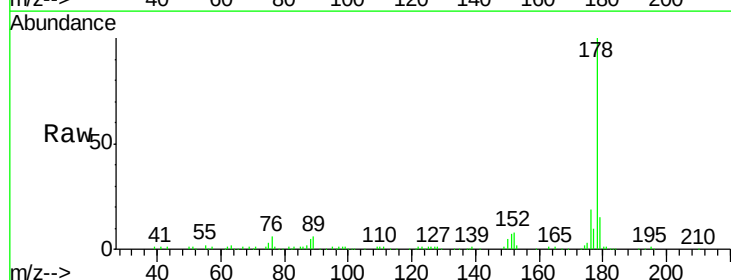
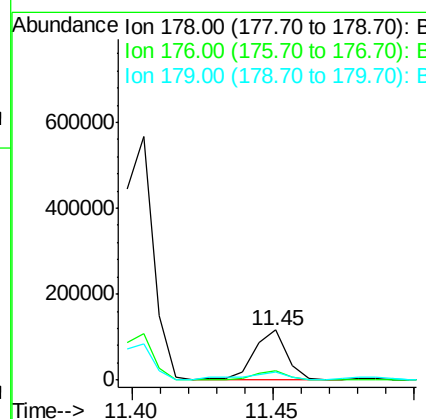
Manual Integrations
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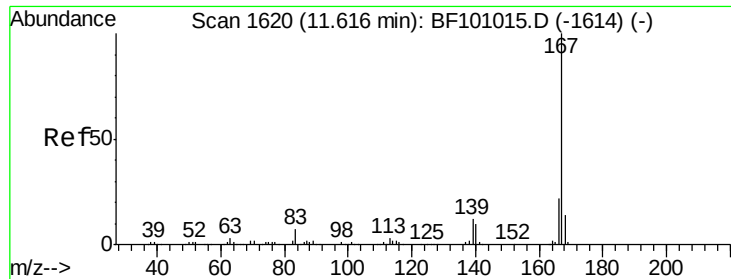
Sohil
12/5/2017 3:24:09 PM



#71
Anthracene
Concen: 9.05 ng
RT: 11.45 min Scan# 1592
Delta R.T. 0.00 min
Lab File: BF101092.D
Acq: 4 Dec 2017 12:42

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	15.1	12.6	19.0





#72

Carbazole

Concen: 3.69 ng

RT: 11.60 min Scan# 1618

Delta R.T. -0.01 min

Lab File: BF101092.D

Acq: 4 Dec 2017 12:42

Instrument :

BNA_F

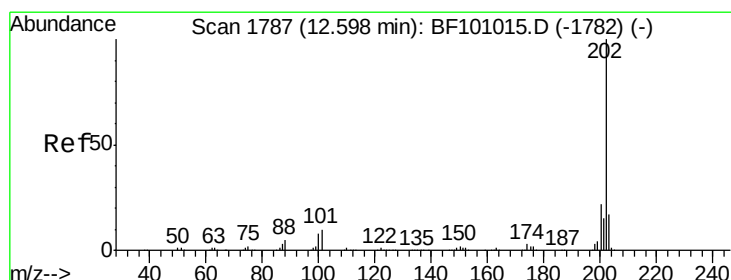
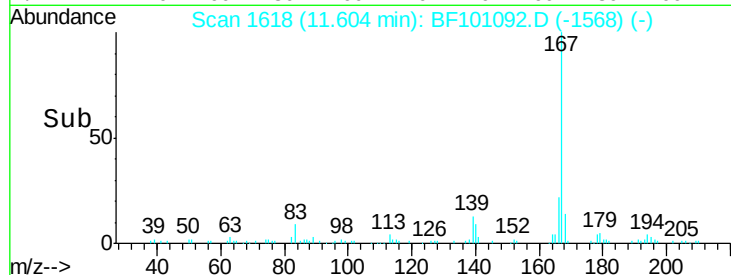
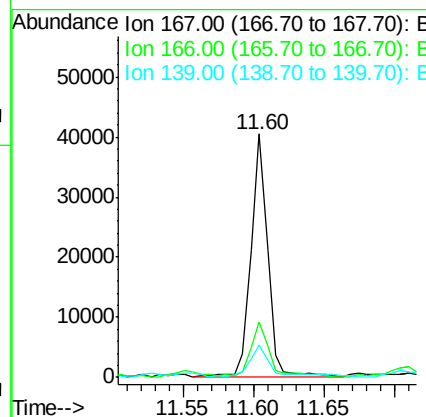
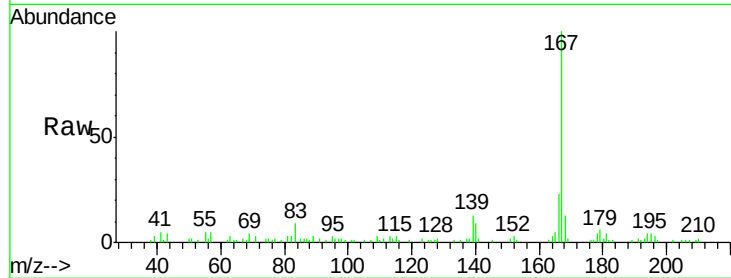
ClientSampleId :

SB-1(6-8)-20171128

Tot Ion:	167	Resp:	34155
Ion Ratio	Lower	Upper	
167	100		
166	23.0	17.6	26.4
139	13.2	10.9	16.3

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#74

Fluoranthene

Concen: 52.88 ng

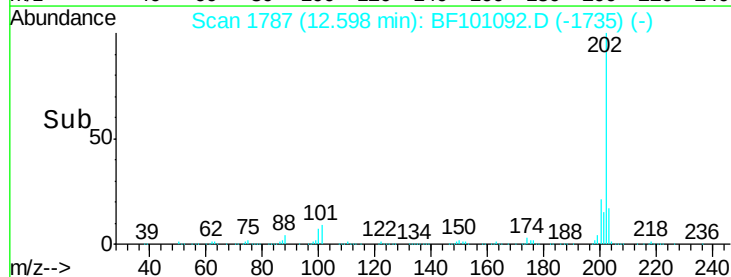
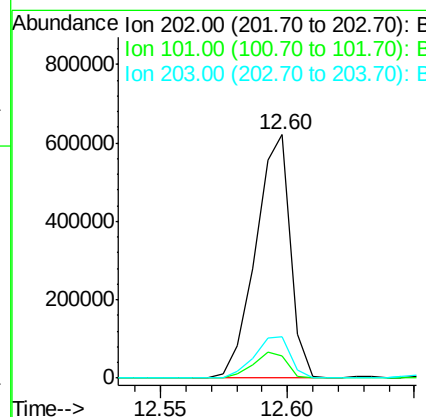
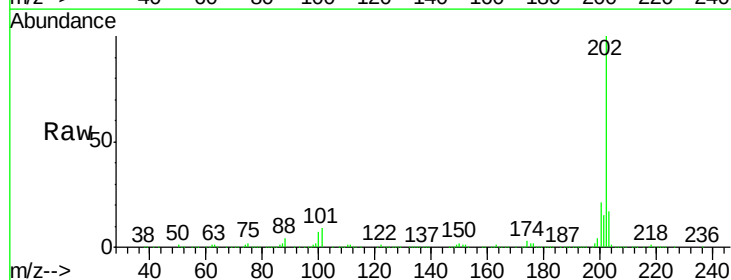
RT: 12.60 min Scan# 1787

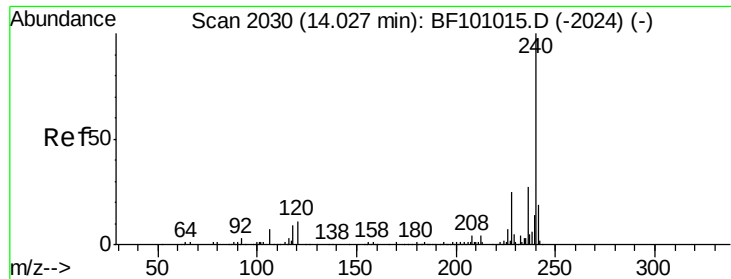
Delta R.T. 0.01 min

Lab File: BF101092.D

Acq: 4 Dec 2017 12:42

Tgt Ion:	202	Resp:	587384
Ion Ratio	Lower	Upper	
202	100		
101	9.2	0.0	34.1
203	17.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 2029

Delta R.T. 0.00 min

Lab File: BF101092.D

Acq: 4 Dec 2017 12:42

Instrument :

BNA_F

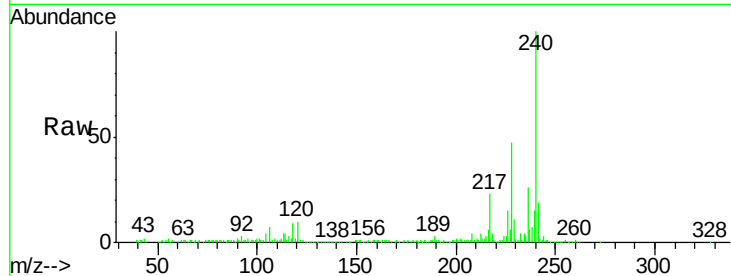
Client Sample Id :

SB-1(6-8)-20171128

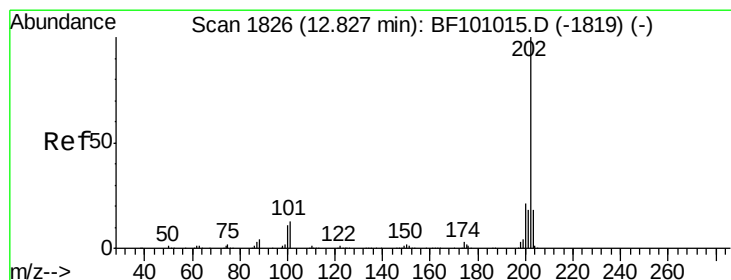
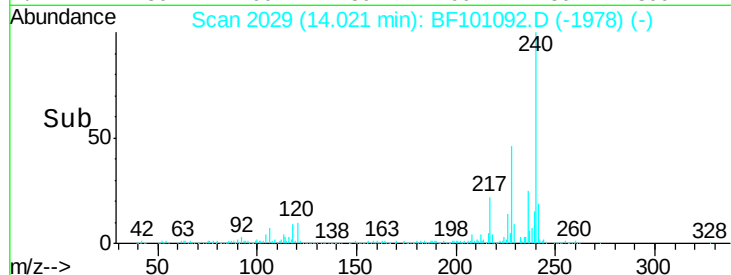
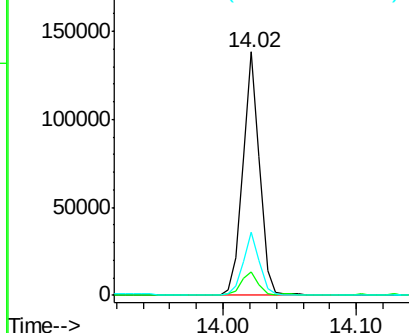
Tot Ion:	240	Resp:	120680
Ion Ratio	Lower	Upper	
240	100		
120	9.6	9.5	14.3
236	25.8	20.7	31.1

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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: 70.21 ng

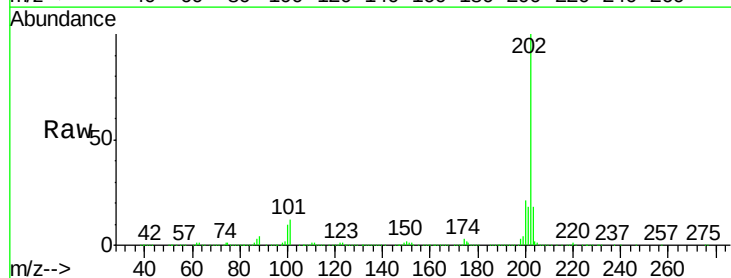
RT: 12.83 min Scan# 1826

Delta R.T. 0.01 min

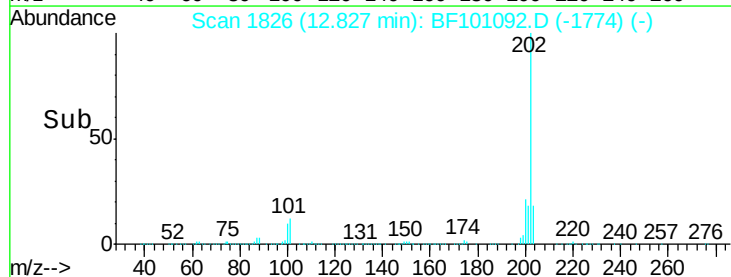
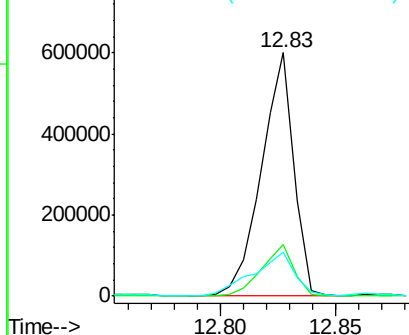
Lab File: BF101092.D

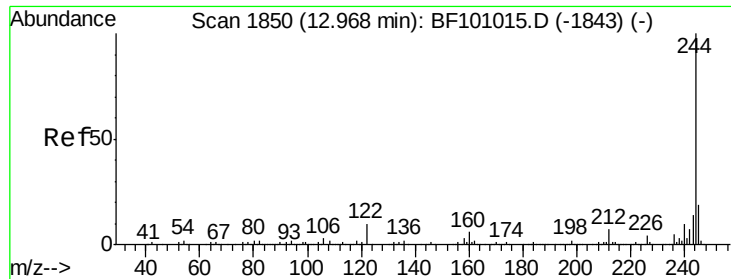
Acq: 4 Dec 2017 12:42

Tgt Ion:	202	Resp:	584620
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.4	26.2
203	18.2	14.3	21.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





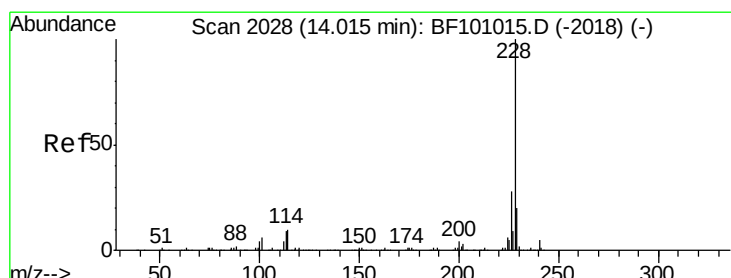
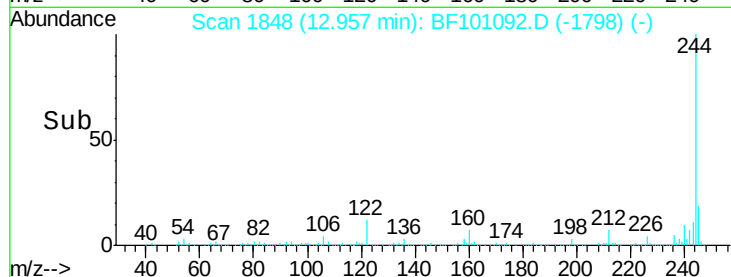
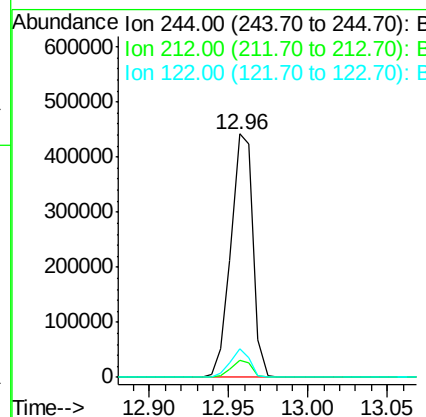
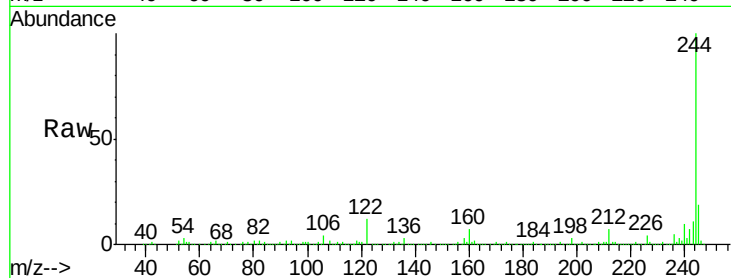
#78
 Terphenyl-d14
 Concen: 77.29 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BF101092.D
 Acq: 4 Dec 2017 12:42

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(6-8)-20171128

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	11.6	11.0	16.4

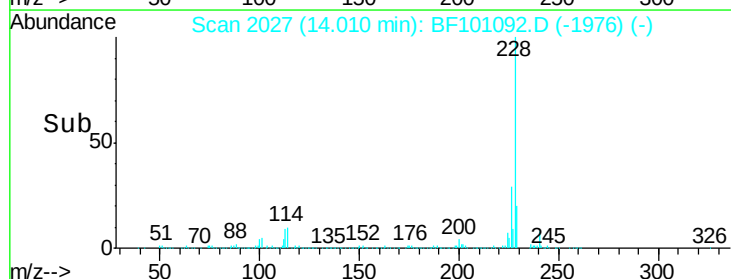
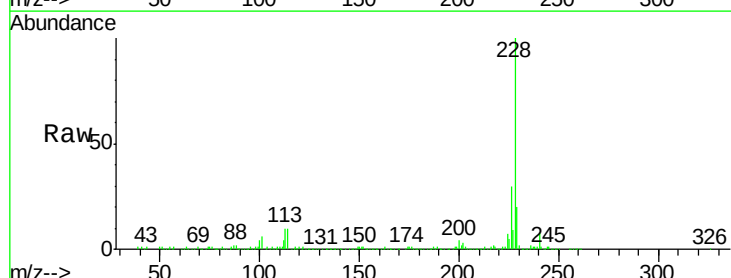
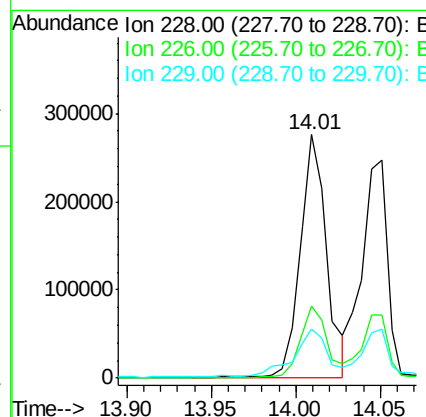
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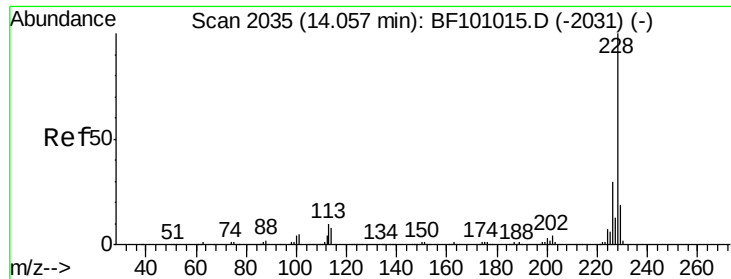
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#80
 Benzo(a)anthracene
 Concen: 39.18 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. 0.00 min
 Lab File: BF101092.D
 Acq: 4 Dec 2017 12:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.6	33.8
229	20.3	15.8	23.6





#82

Chrysene

Concen: 36.40 ng

RT: 14.05 min Scan# 2034

Delta R.T. 0.00 min

Lab File: BF101092.D

Acq: 4 Dec 2017 12:42

Instrument :

BNA_F

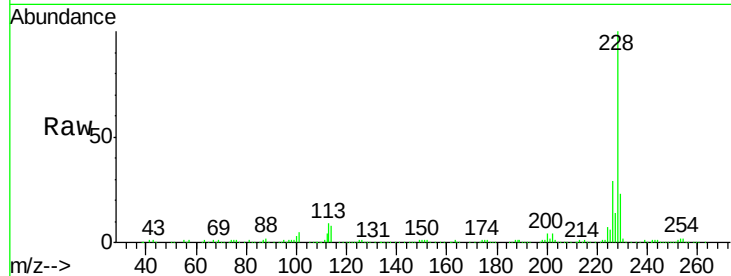
ClientSampleId :

SB-1(6-8)-20171128

Tot Ion:	228	Resp:	257611
Ion Ratio	Lower	Upper	
228	100		
226	29.1	25.0	37.6
229	22.7	16.2	24.4

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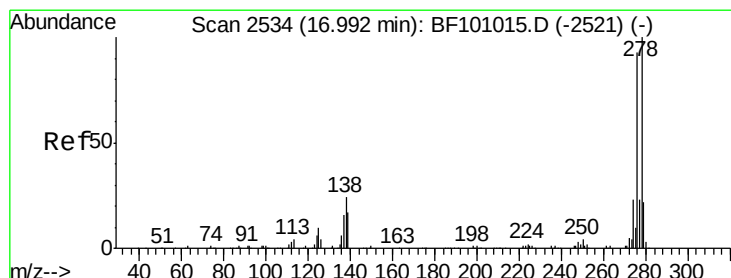
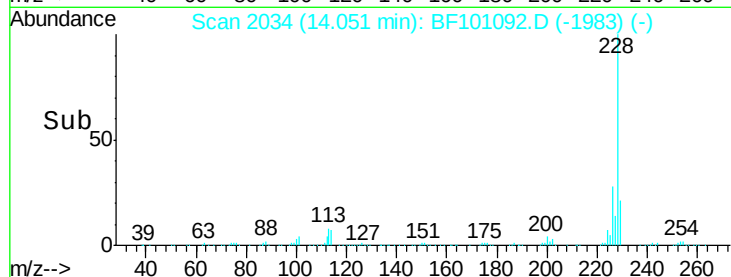
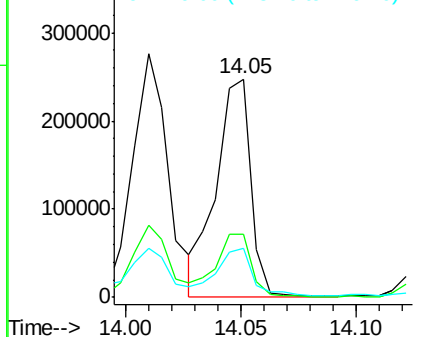
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 17.81 ng

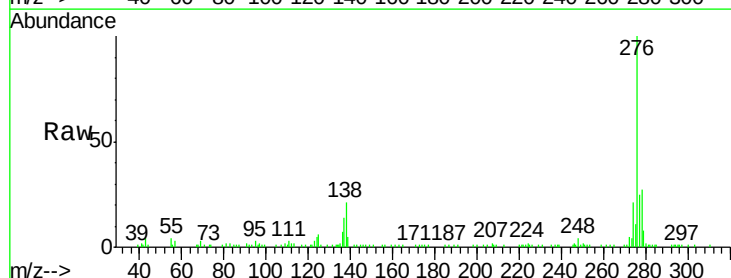
RT: 16.97 min Scan# 2531

Delta R.T. 0.00 min

Lab File: BF101092.D

Acq: 4 Dec 2017 12:42

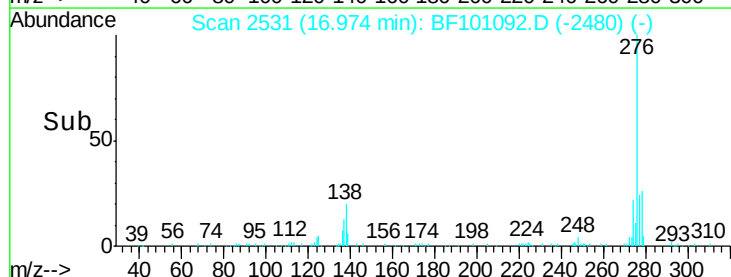
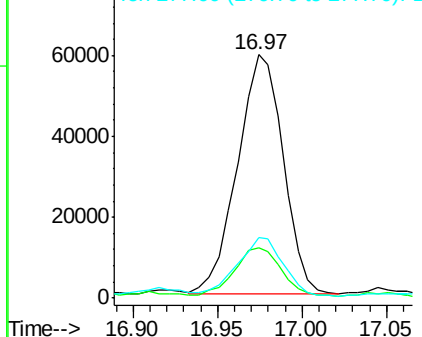
Tgt Ion:	276	Resp:	112026
Ion Ratio	Lower	Upper	
276	100		
138	20.7	25.0	37.6#
277	24.5	20.1	30.1

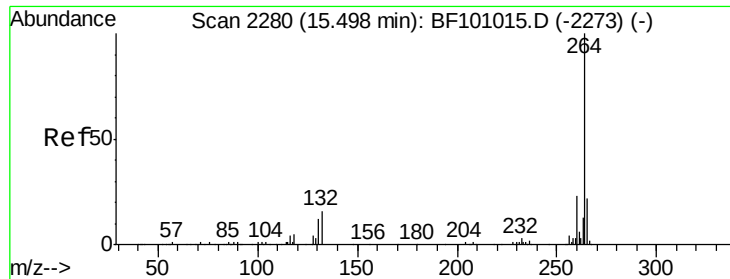


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





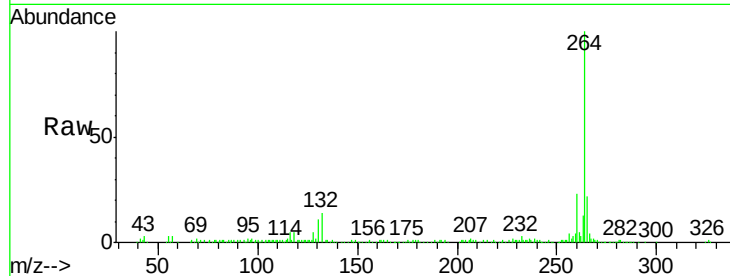
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.01 min
Lab File: BF101092.D
Acq: 4 Dec 2017 12:42

Instrument :
BNA_F
ClientSampleId :
SB-1(6-8)-20171128

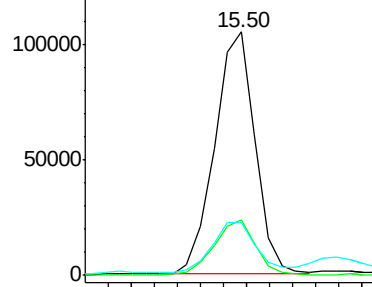
Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	22.9	19.2	28.8	
265	21.8	17.5	26.3	

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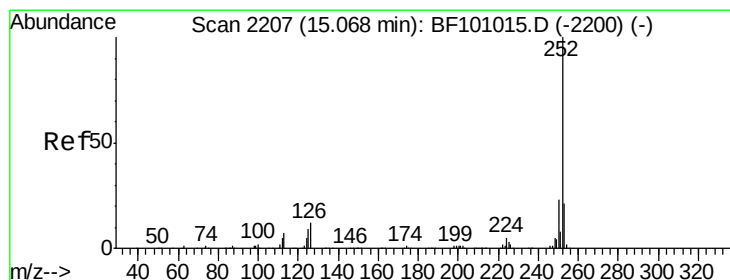
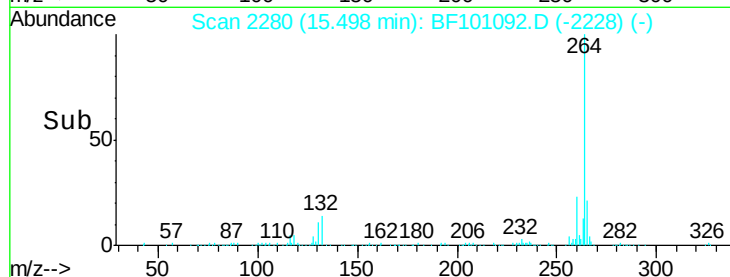
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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

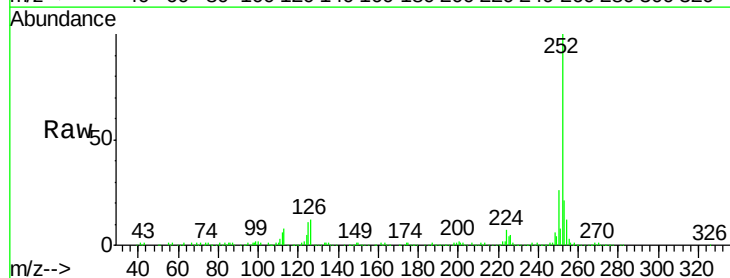


Time-->

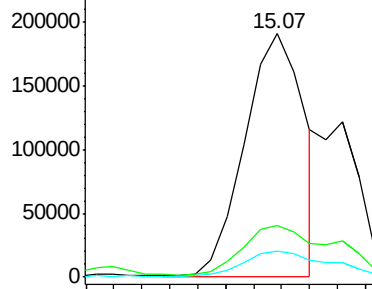


#87
Benzo(b)fluoranthene
Concen: 36.79 ng m
RT: 15.07 min Scan# 2207
Delta R.T. 0.01 min
Lab File: BF101092.D
Acq: 4 Dec 2017 12:42

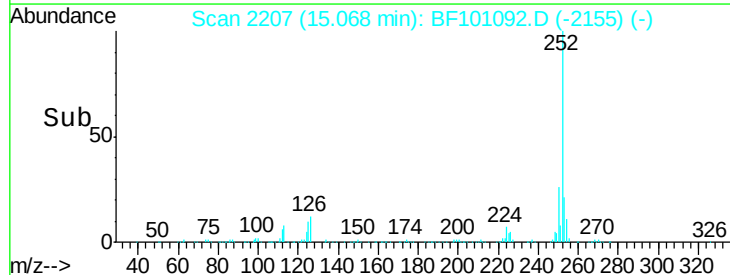
Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	21.4	17.0	25.6	
125	10.7	9.0	13.6	

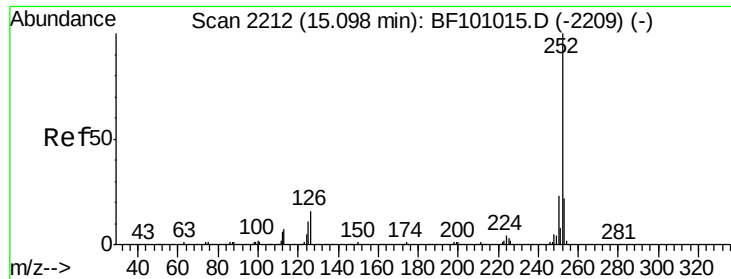


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->





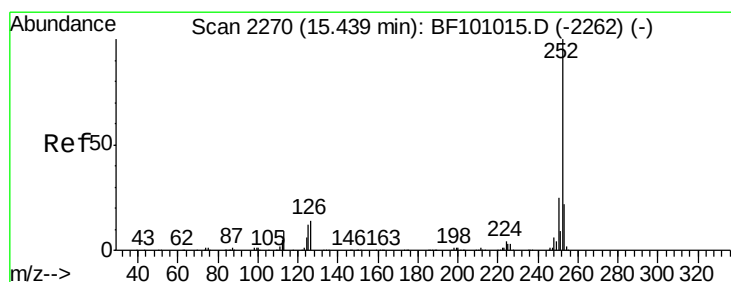
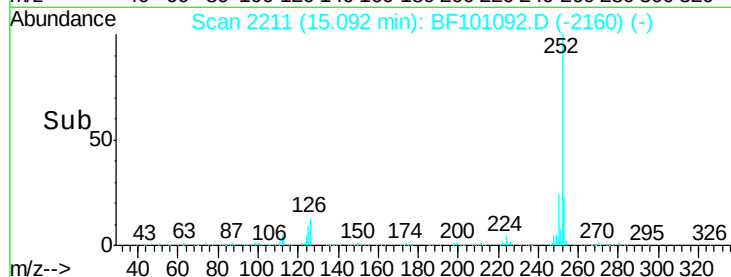
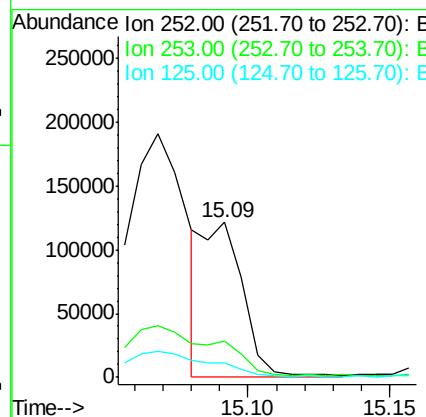
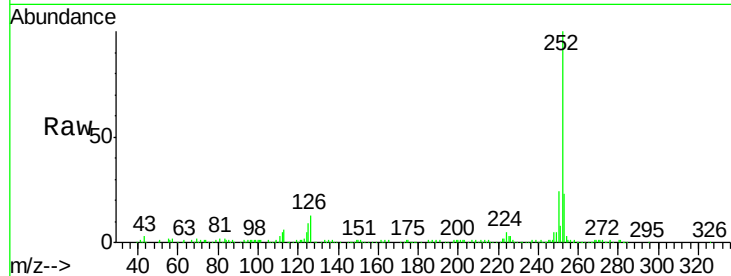
#88
Benzo(k)fluoranthene
Concen: 15.69 ng m
RT: 15.09 min Scan# 2211
Delta R.T. 0.00 min
Lab File: BF101092.D
Acq: 4 Dec 2017 12:42

Instrument :
BNA_F
ClientSampleId :
SB-1(6-8)-20171128

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	9.4	10.2	15.2

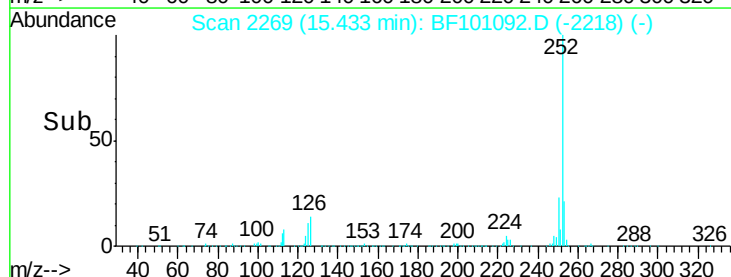
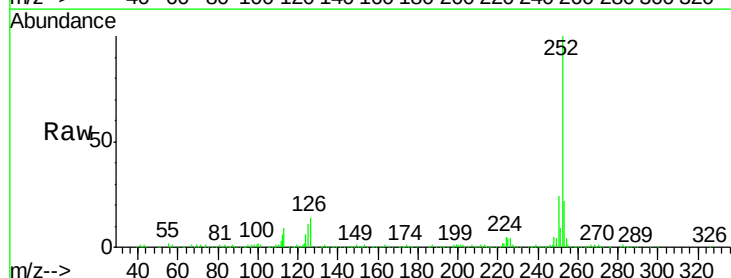
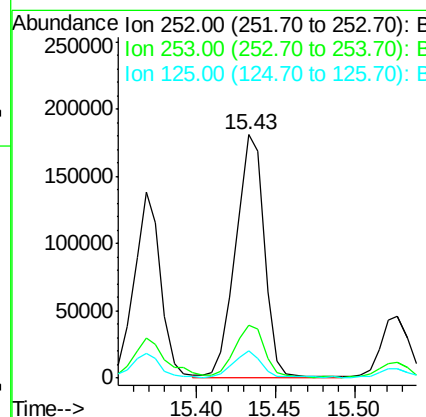
Manual Integrations
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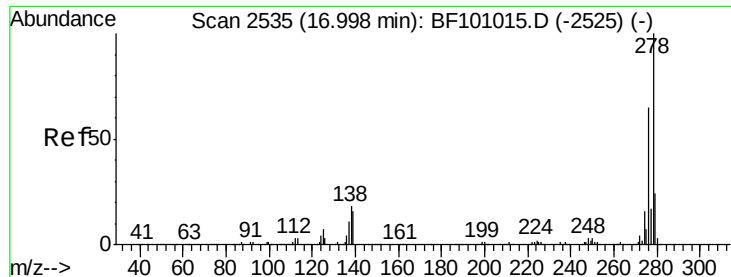
Sohil
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#89
Benzo(a)pyrene
Concen: 32.16 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.00 min
Lab File: BF101092.D
Acq: 4 Dec 2017 12:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.1	25.7
125	11.2	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 5.70 ng

RT: 16.98 min Scan# 2532

Delta R.T. -0.01 min

Lab File: BF101092.D

Acq: 4 Dec 2017 12:42

Instrument :

BNA_F

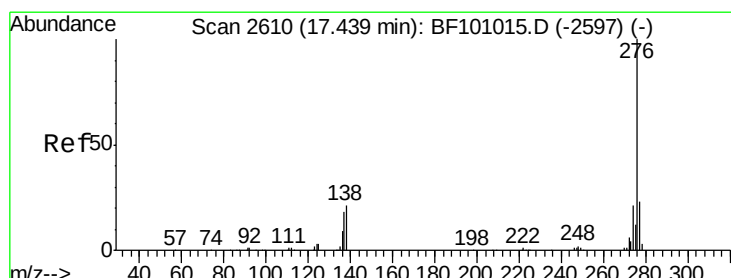
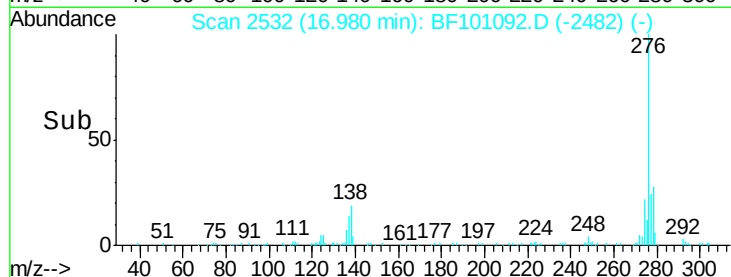
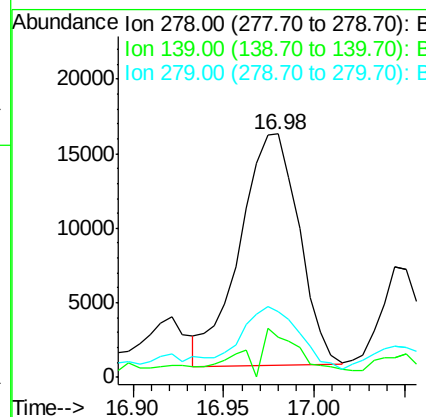
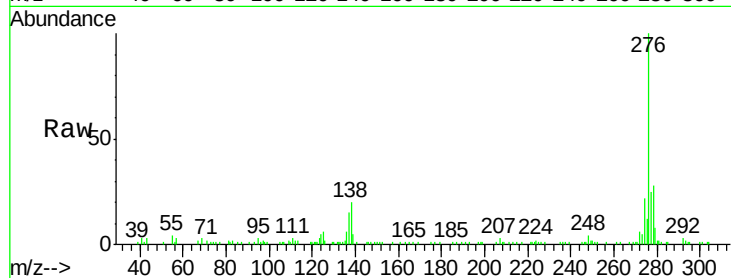
ClientSampleId :

SB-1(6-8)-20171128

Tot Ion:	278	Resp:	35225
Ion Ratio	Lower	Upper	
278	100		
139	16.4	15.9	23.9
279	26.8	19.0	28.4

Manual Integrations
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12/5/2017 3:24:09 PM



#91

Benzo(g,h,i)perylene

Concen: 18.80 ng

RT: 17.43 min Scan# 2608

Delta R.T. 0.00 min

Lab File: BF101092.D

Acq: 4 Dec 2017 12:42

Tgt Ion:	276	Resp:	109430
Ion Ratio	Lower	Upper	
276	100		
277	23.8	17.9	26.9
138	19.7	21.8	32.8#

