

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF021918\
 Data File : BF103102.D
 Acq On : 20 Feb 2018 00:55
 Operator : SJ/JU
 Sample : J1600-02 20X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB69_N_8

Manual Integrations
 APPROVED

Sohil
 2/20/2018 10:21:04 AM

Quant Time: Feb 20 02:34:55 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 16 14:34:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	165189	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	673147	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	277014	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	387785	20.00	ng	0.00
75) Chrysene-d12	14.06	240	244455	20.00	ng	0.00
86) Perylene-d12	15.54	264	256139	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	36367	3.34	ng	0.00
7) Phenol-d6	6.50	99	61558	4.70	ng	0.00
23) Nitrobenzene-d5	7.44	82	36598	3.77	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	9814	4.40	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	78888	4.73	ng	-0.01
78) Terphenyl-d14	12.99	244	53266	5.16	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.18	128	436542	13.273	ng	99
37) 2-Methylnaphthalene	8.87	142	89522	4.158	ng	99
48) Acenaphthylene	9.77	152	700339	24.548	ng	100
54) Dibenzofuran	10.12	168	108814	4.526	ng	98
57) Fluorene	10.46	166	157915	9.027	ng	97
70) Phenanthrene	11.43	178	958204	44.367	ng	99
71) Anthracene	11.48	178	439397	20.003	ng	99
72) Carbazole	11.63	167	70891	3.294	ng	99
74) Fluoranthene	12.63	202	1606571	73.936	ng	99
77) Pyrene	12.86	202	1617965	84.405	ng	99
80) Benzo(a)anthracene	14.04	228	974621m	63.394	ng	
82) Chrysene	14.08	228	936583m	60.434	ng	
85) Indeno(1,2,3-cd)pyrene	17.06	276	555474	43.216	ng	95
87) Benzo(b)fluoranthene	15.12	252	1371091m	82.564	ng	
88) Benzo(k)fluoranthene	15.14	252	394574m	24.867	ng	
89) Benzo(a)pyrene	15.49	252	991900	66.357	ng	95
90) Dibenzo(a,h)anthracene	17.06	278	163223m	13.453	ng	
91) Benzo(g,h,i)perylene	17.53	276	561506	47.283	ng	98

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

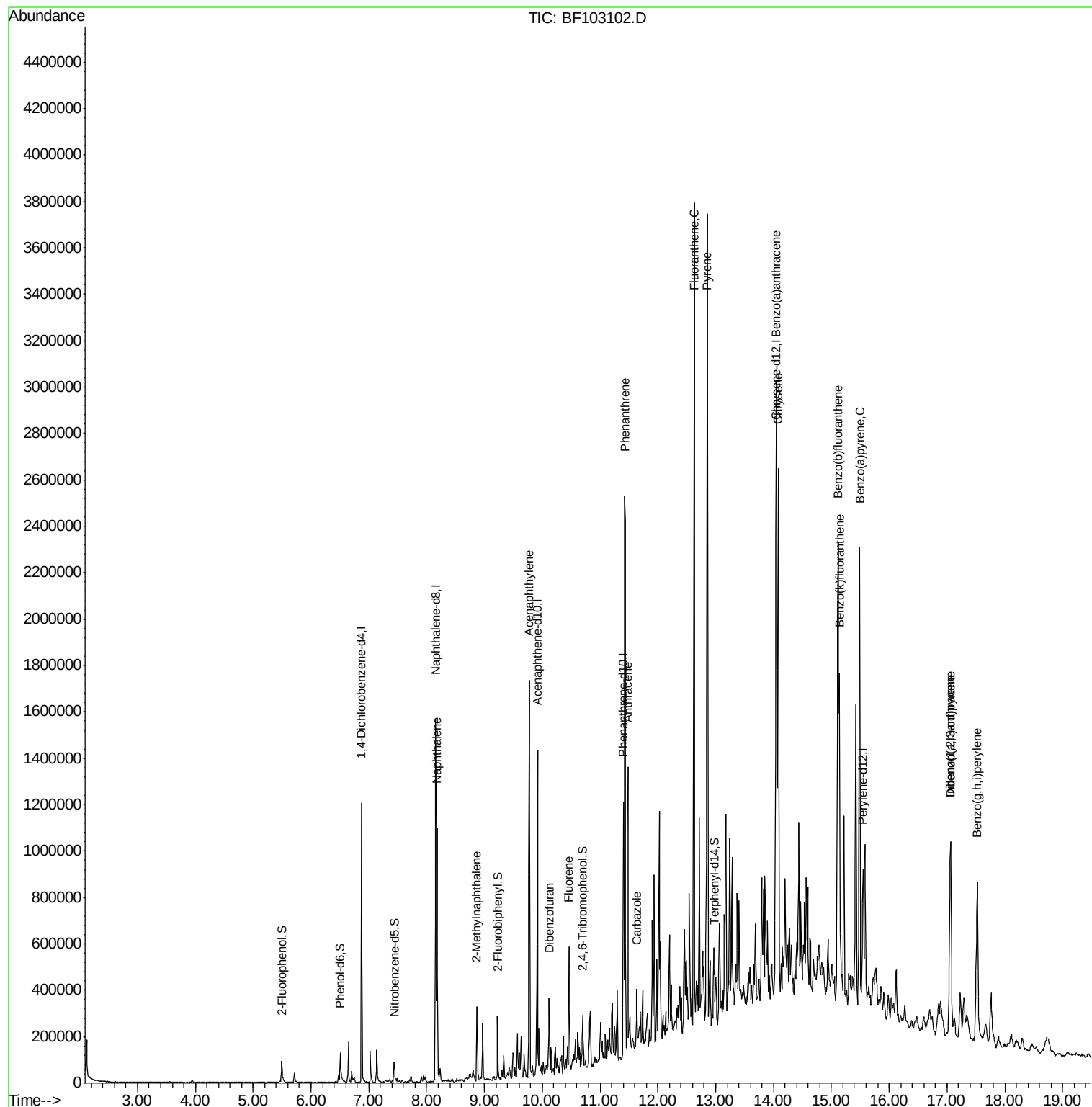
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF021918\
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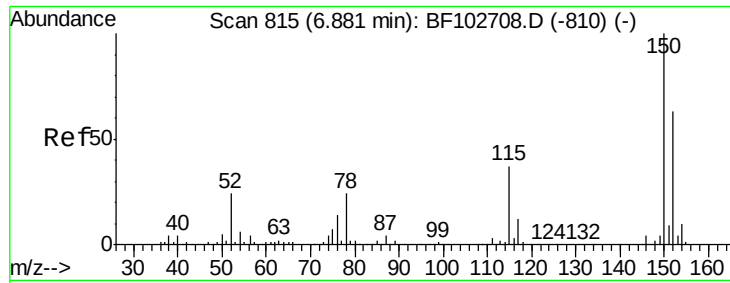
Instrument :
BNA_F
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A2_SB69_N_8

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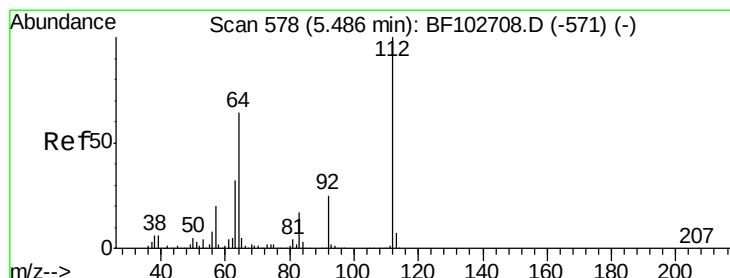
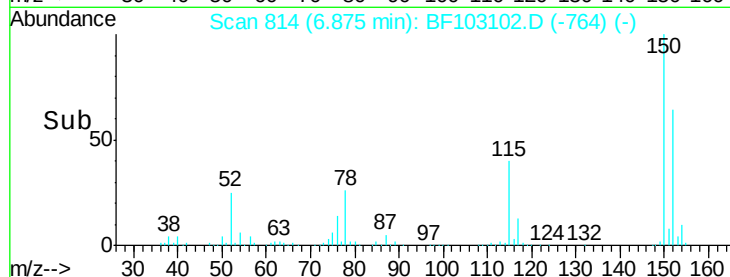
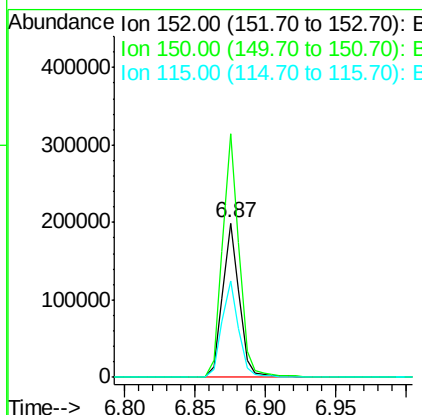
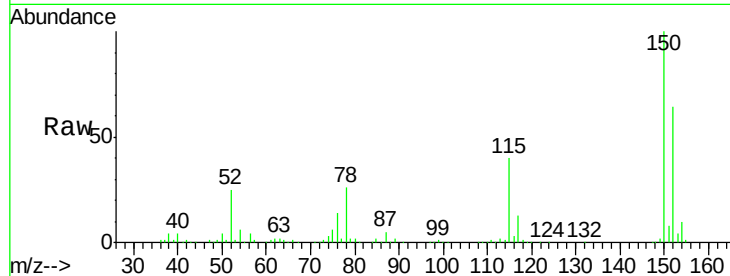
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.87 min Scan# 814
 Delta R.T. -0.01 min
 Lab File: BF103102.D
 Acq: 20 Feb 2018 00:55

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB69_N_8

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	165189		
150	157.4	124.6	186.8	
115	62.4	50.1	75.1	

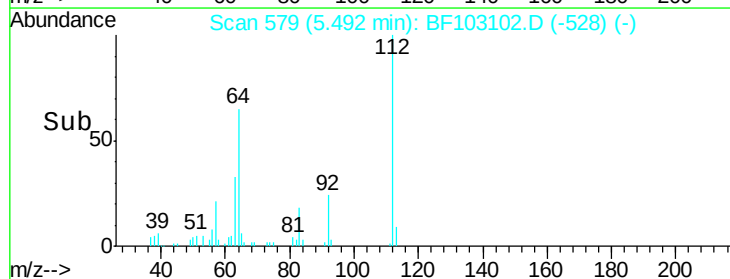
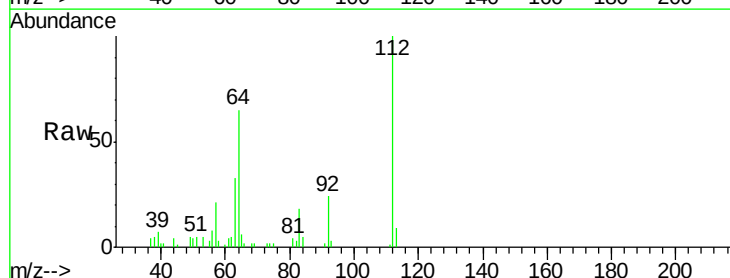
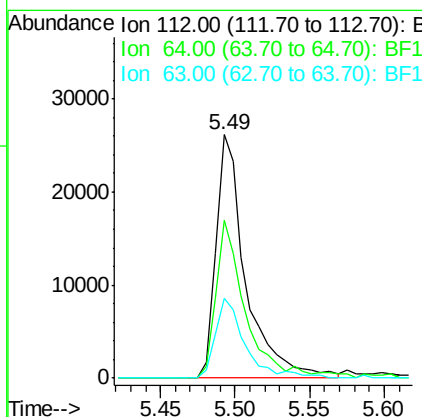
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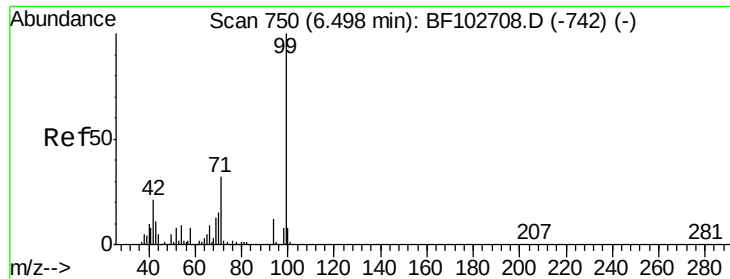
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#5
 2-Fluorophenol
 Concen: 3.343 ng
 RT: 5.49 min Scan# 579
 Delta R.T. -0.00 min
 Lab File: BF103102.D
 Acq: 20 Feb 2018 00:55

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	36367		
64	64.6	47.9	71.9	
63	32.8	23.7	35.5	





#7

Phenol-d6

Concen: 4.700 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF103102.D

Acq: 20 Feb 2018 00:55

Instrument :

BNA_F

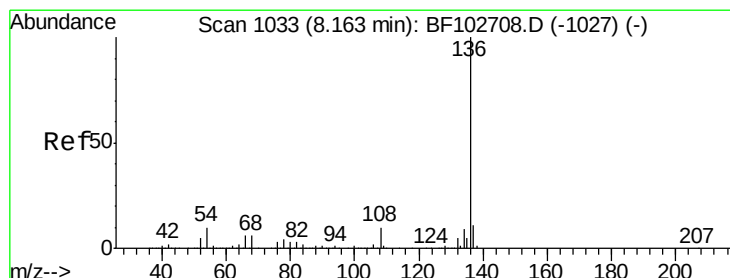
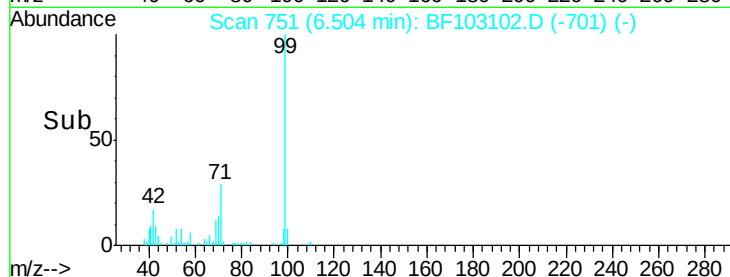
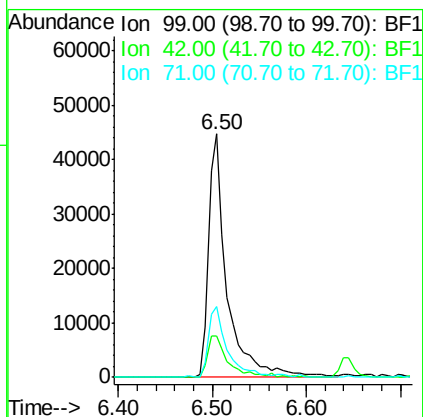
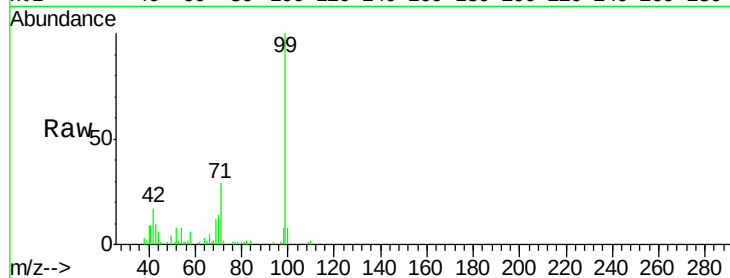
ClientSampleId :

A2_SB69_N_8

Tgt Ion:	99	Resp:	61558
Ion	Ratio	Lower	Upper
99	100		
42	16.9	14.5	21.7
71	29.3	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

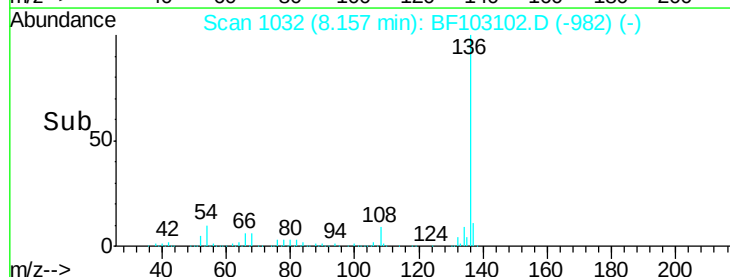
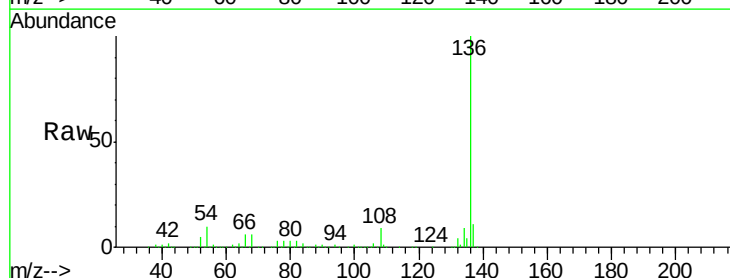
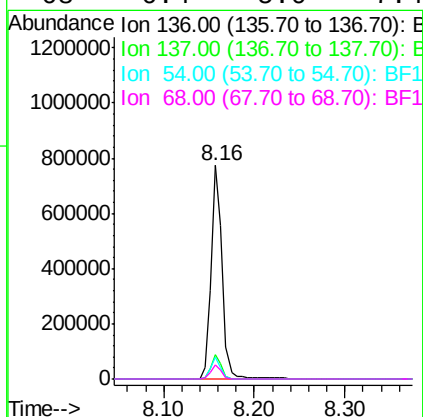
RT: 8.16 min Scan# 1032

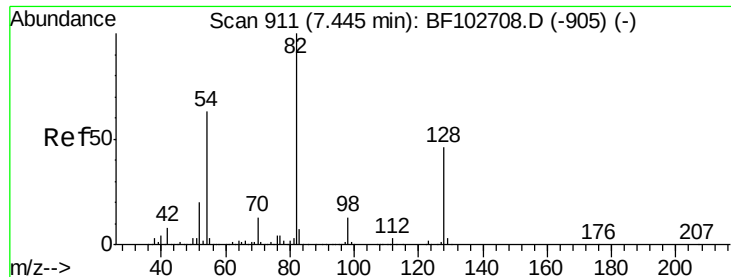
Delta R.T. -0.01 min

Lab File: BF103102.D

Acq: 20 Feb 2018 00:55

Tgt Ion:	136	Resp:	673147
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	10.1	6.6	9.8
68	6.4	5.0	7.4





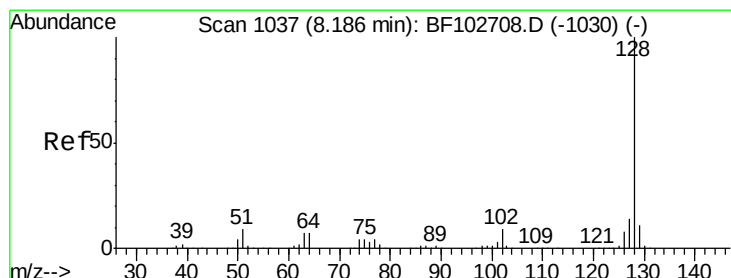
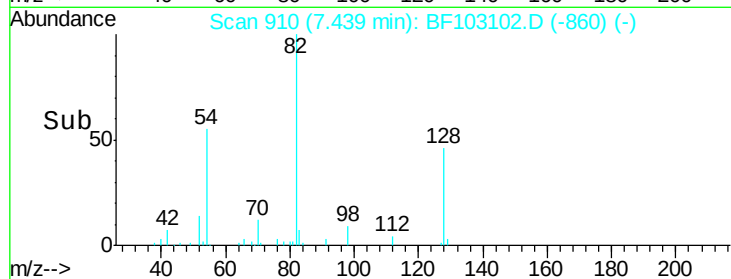
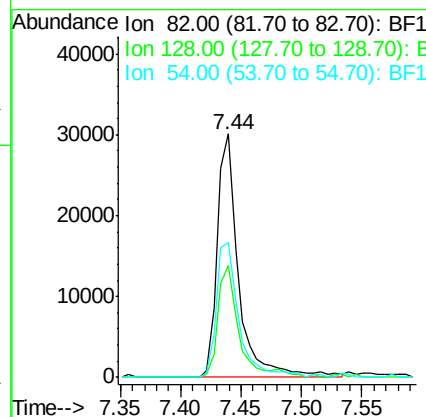
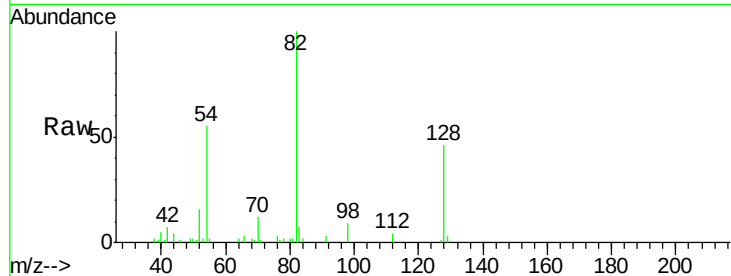
#23
 Nitrobenzene-d5
 Concen: 3.772 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: BF103102.D
 Acq: 20 Feb 2018 00:55

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB69_N_8

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	36598		
128	46.0	36.1	54.1	
54	55.5	41.4	62.2	

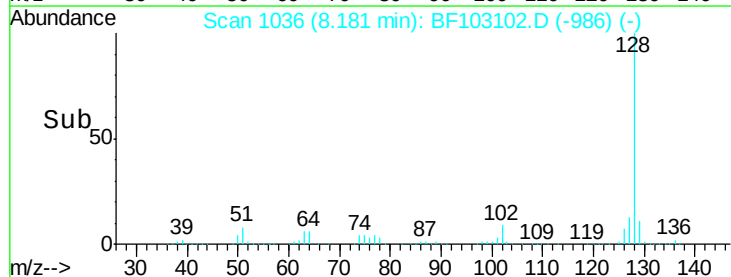
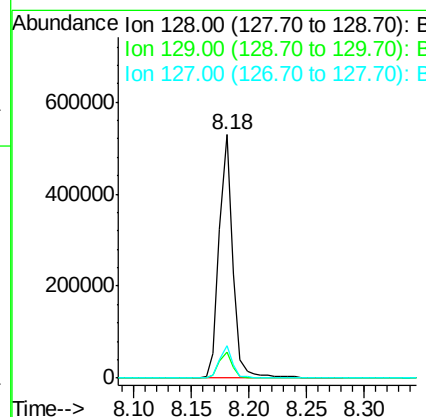
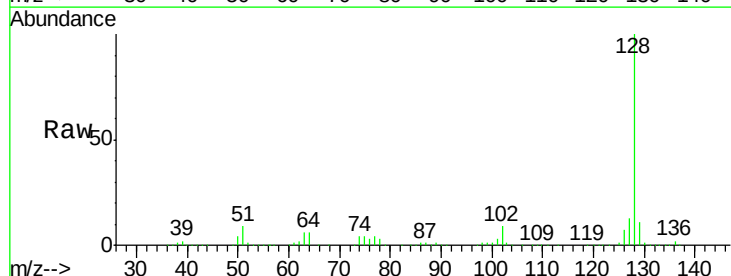
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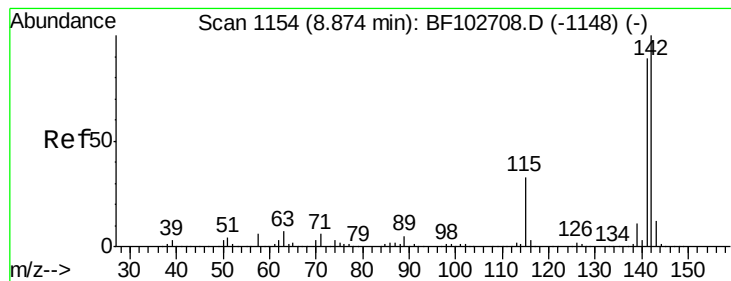
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#31
 Naphthalene
 Concen: 13.273 ng
 RT: 8.18 min Scan# 1036
 Delta R.T. -0.01 min
 Lab File: BF103102.D
 Acq: 20 Feb 2018 00:55

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	436542		
129	10.6	8.8	13.2	
127	13.4	10.9	16.3	





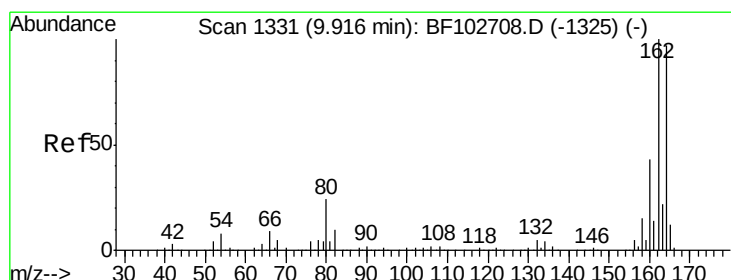
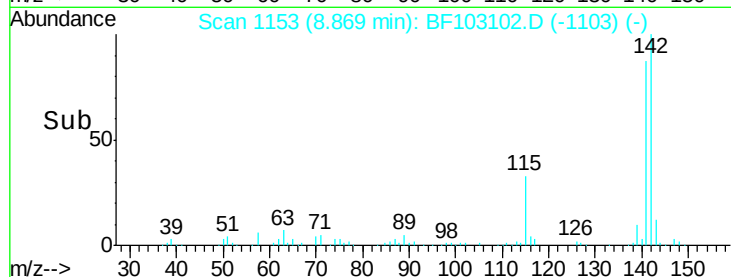
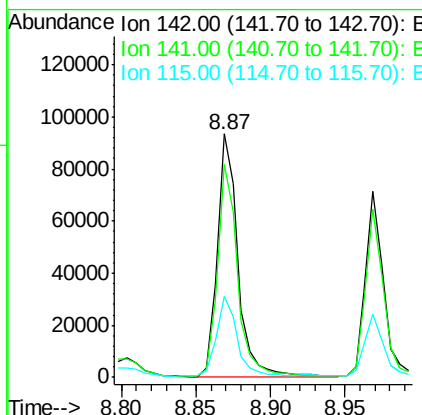
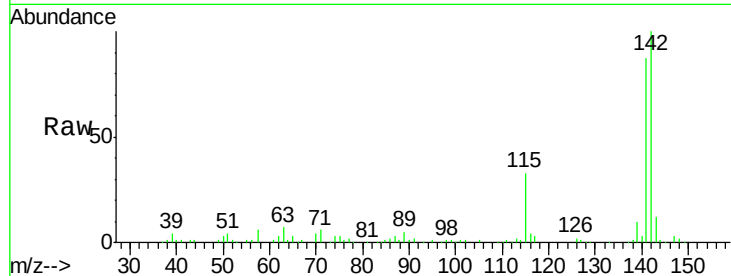
#37
2-Methylnaphthalene
Concen: 4.158 ng
RT: 8.87 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BF103102.D
Acq: 20 Feb 2018 00:55

Instrument :
BNA_F
ClientSampleId :
A2_SB69_N_8

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.2	70.8	106.2
115	33.4	26.1	39.1

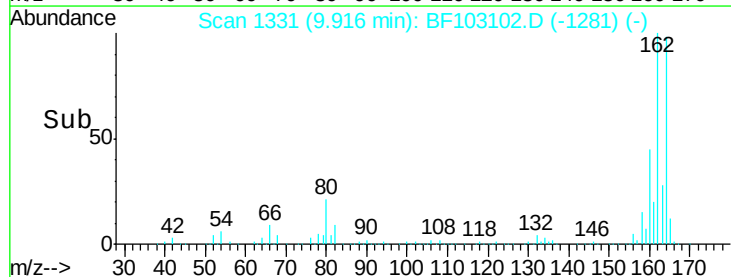
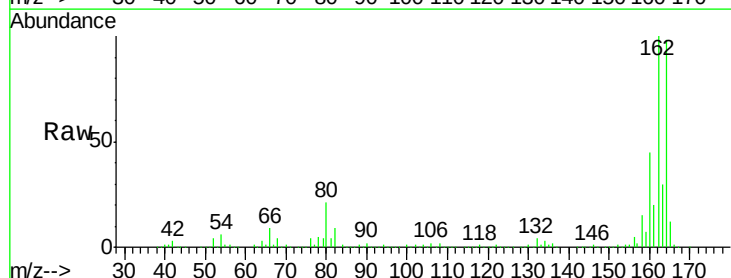
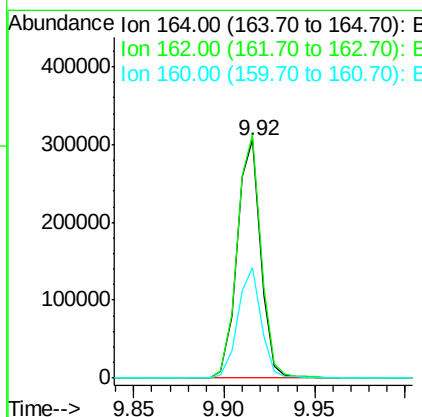
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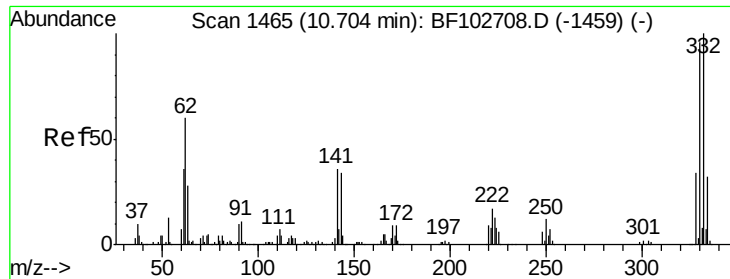
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF103102.D
Acq: 20 Feb 2018 00:55

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.2	86.1	129.1
160	46.4	38.3	57.5





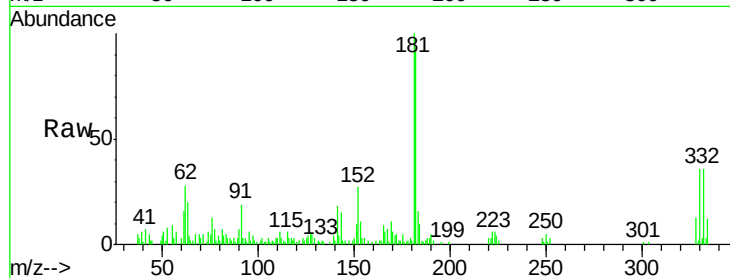
#41
 2,4,6-Tribromophenol
 Concen: 4.402 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF103102.D
 Acq: 20 Feb 2018 00:55

Instrument :
 BNA_F
 ClientSampled :
 A2_SB69_N_8

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	9814		
332	104.9	77.0	115.6	
141	54.3	29.9	44.9#	

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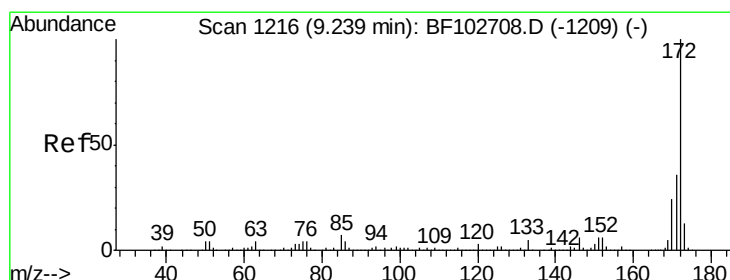
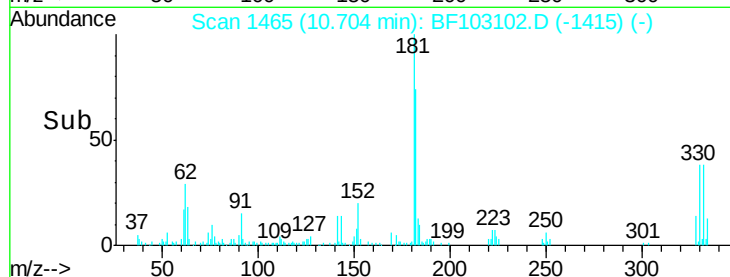
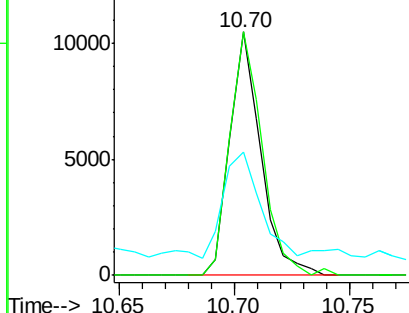


Abundance

Ion 329.80 (329.50 to 330.50): E

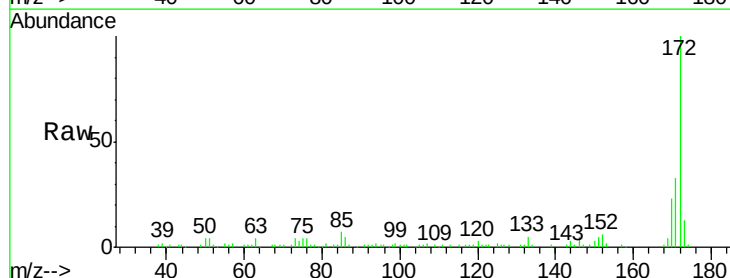
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 4.726 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF103102.D
 Acq: 20 Feb 2018 00:55

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	78888		
171	33.2	29.7	44.5	
170	22.5	19.6	29.4	

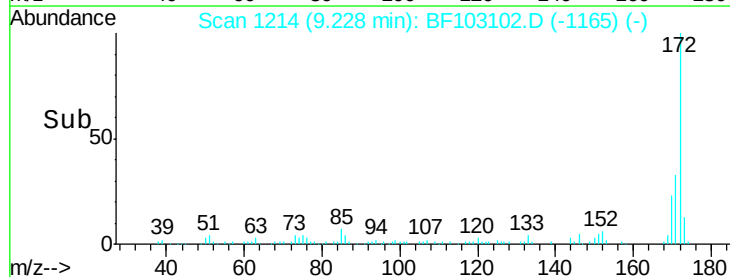
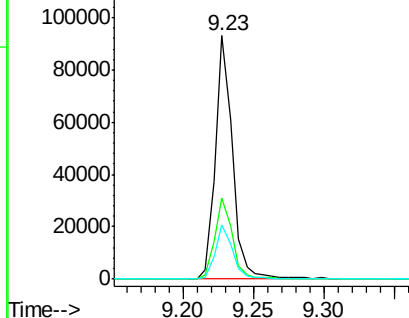


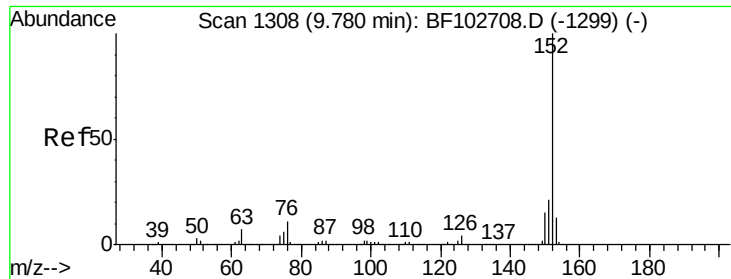
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

Acenaphthylene

Concen: 24.548 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF103102.D

Acq: 20 Feb 2018 00:55

Instrument :

BNA_F

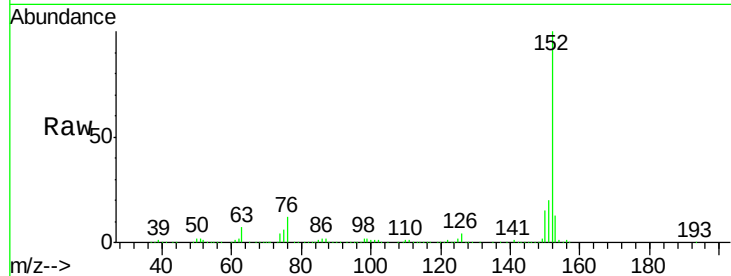
ClientSampleId :

A2_SB69_N_8

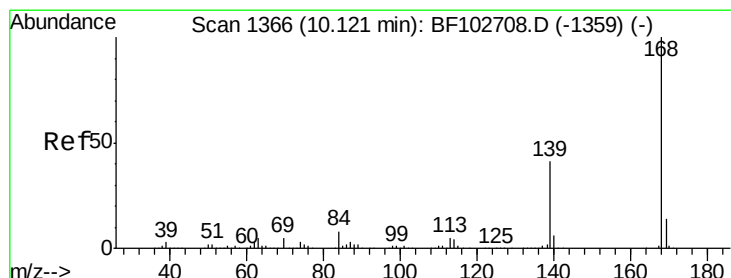
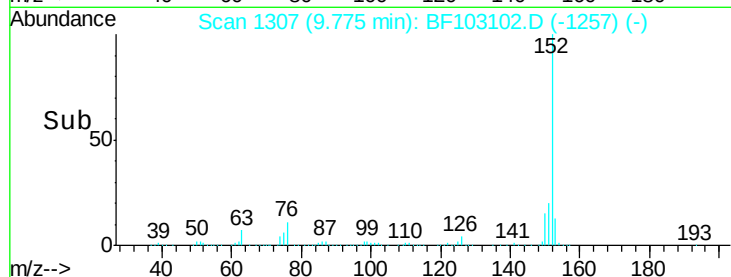
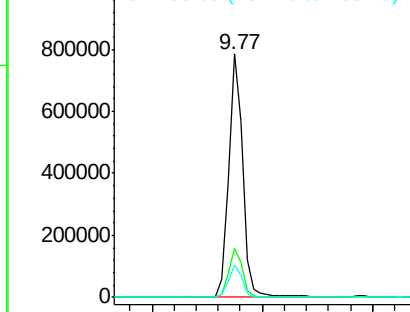
Tgt Ion:	152	Resp:	700339
Ion Ratio	Lower	Upper	
152	100		
151	20.3	16.3	24.5
153	13.3	10.7	16.1

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#54

Dibenzofuran

Concen: 4.526 ng

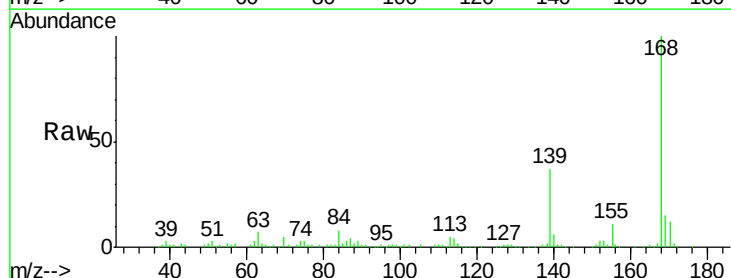
RT: 10.12 min Scan# 1365

Delta R.T. -0.01 min

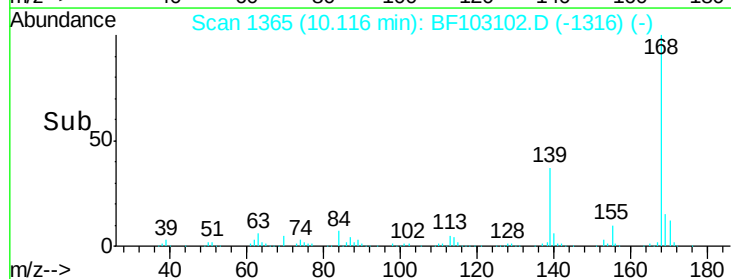
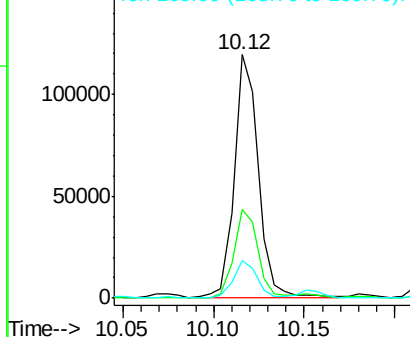
Lab File: BF103102.D

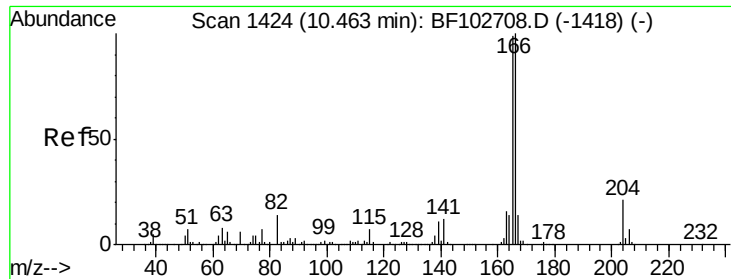
Acq: 20 Feb 2018 00:55

Tgt Ion:	168	Resp:	108814
Ion Ratio	Lower	Upper	
168	100		
139	36.6	30.1	45.1
169	15.4	10.9	16.3



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





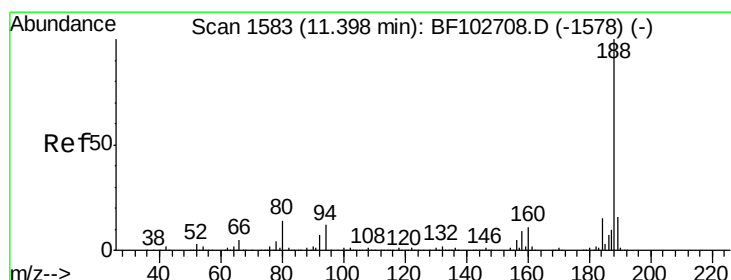
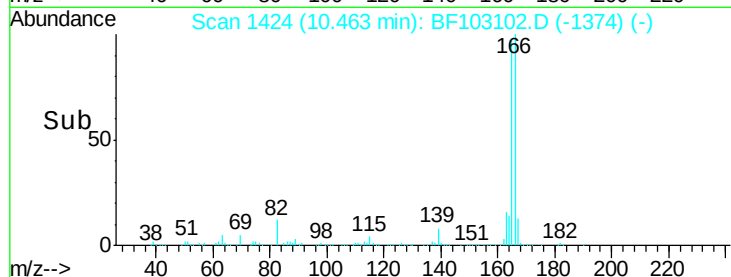
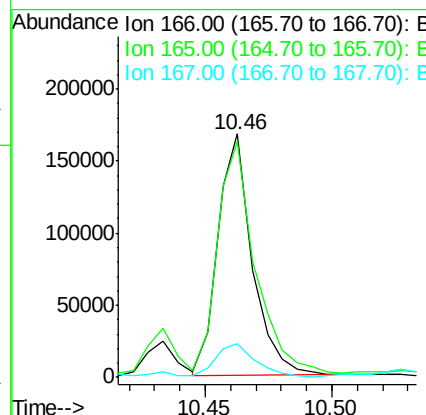
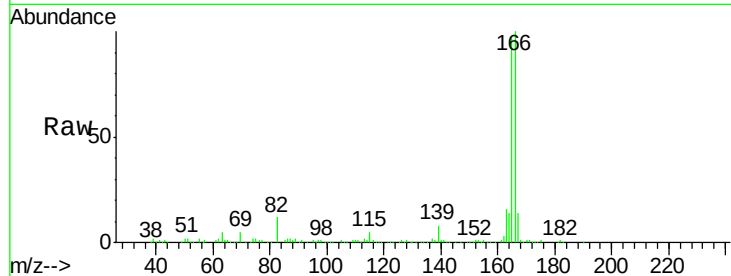
#57
Fluorene
 Concen: 9.027 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: BF103102.D
 Acq: 20 Feb 2018 00:55

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB69_N_8

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.8	79.8	119.8
167	13.7	10.6	16.0

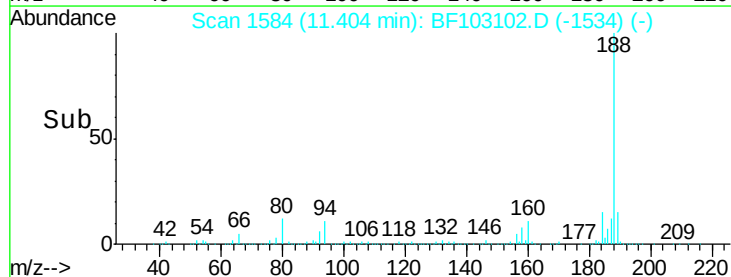
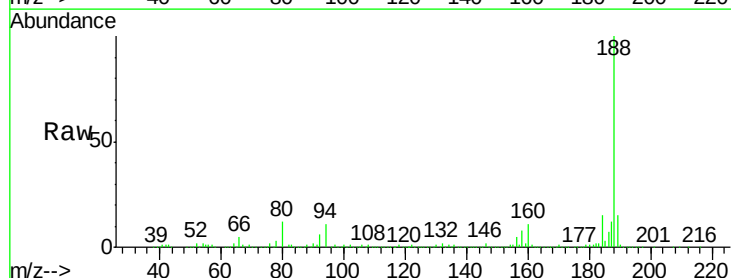
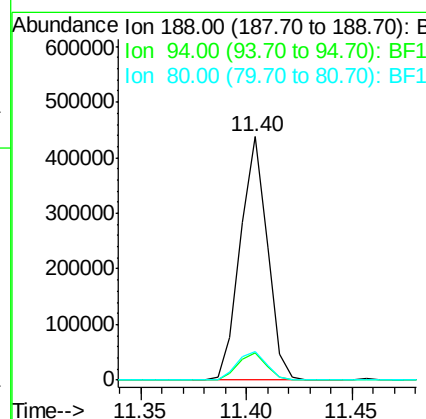
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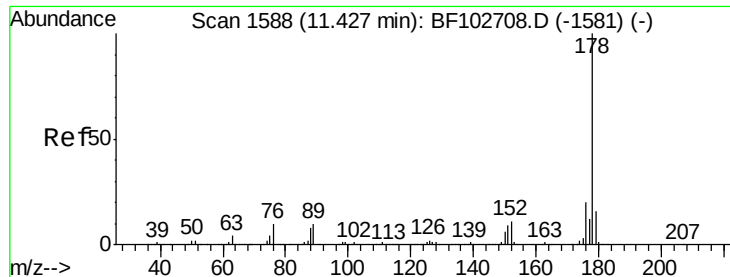
Sohil
 2/20/2018 10:21:04 AM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF103102.D
 Acq: 20 Feb 2018 00:55

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.2	8.5	12.7
80	11.6	9.2	13.8





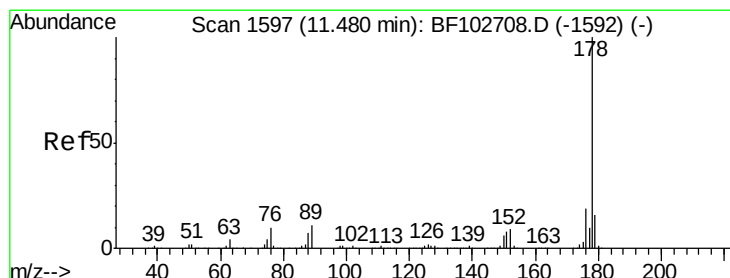
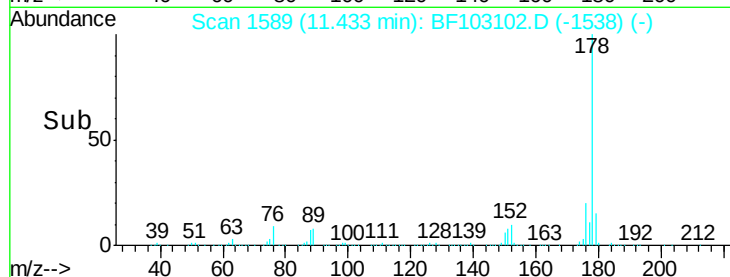
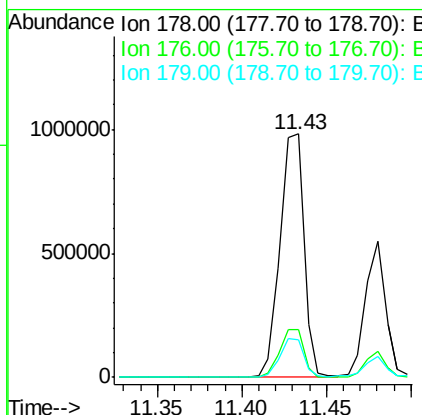
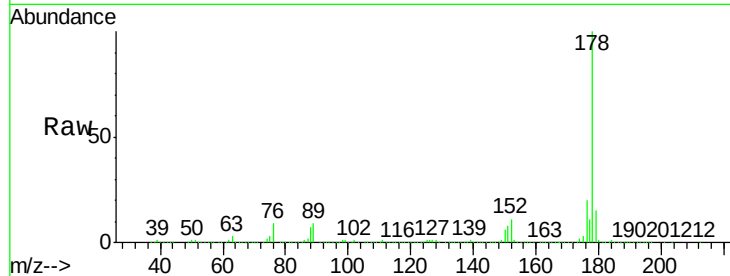
#70
 Phenanthrene
 Concen: 44.367 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. -0.00 min
 Lab File: BF103102.D
 Acq: 20 Feb 2018 00:55

Instrument :
 BNA_F
 ClientSampled :
 A2_SB69_N_8

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	15.4	13.0	19.6

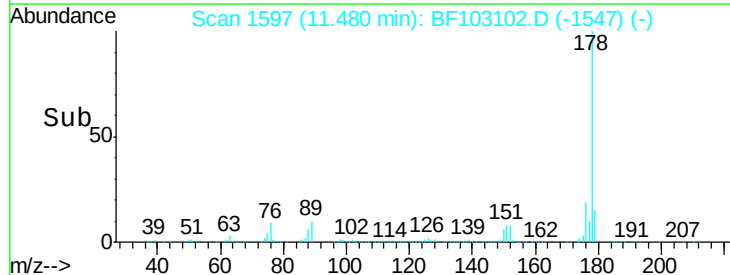
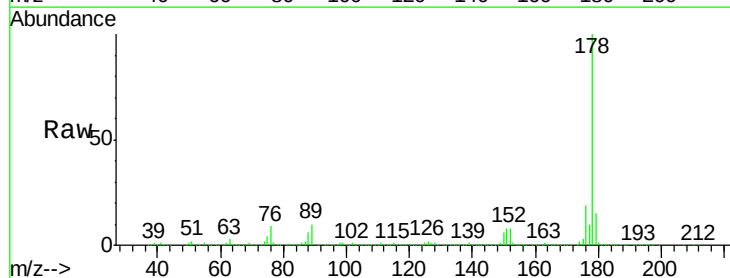
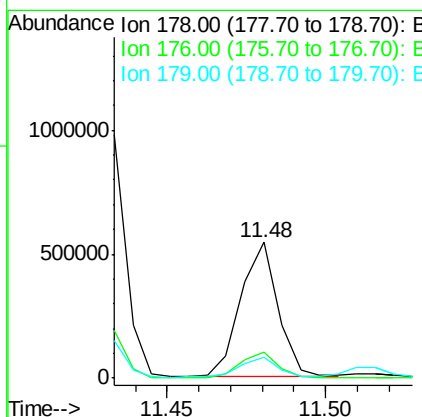
Manual Integrations
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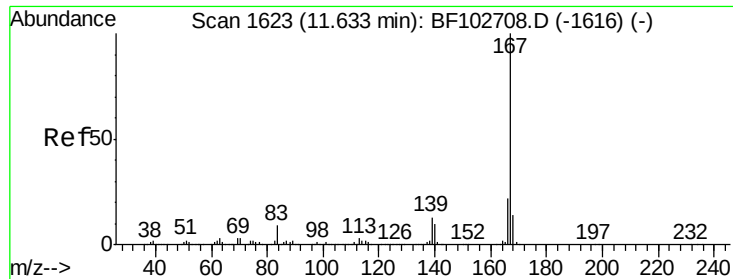
Sohil
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#71
 Anthracene
 Concen: 20.003 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF103102.D
 Acq: 20 Feb 2018 00:55

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.2
179	15.3	12.6	19.0





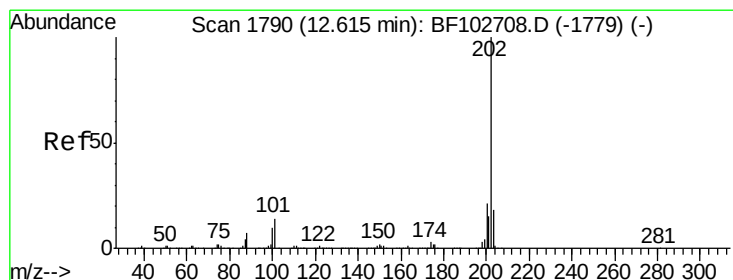
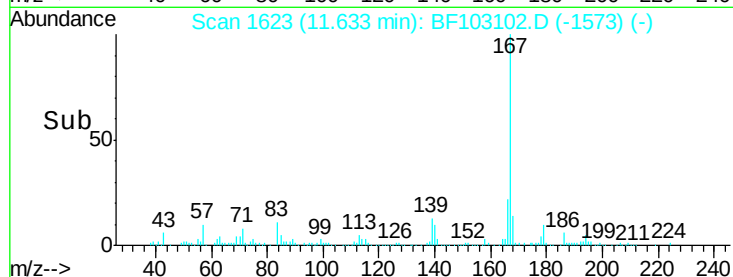
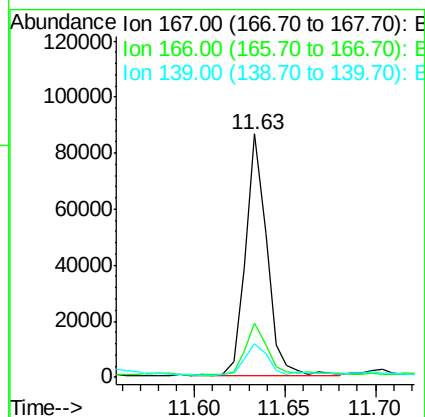
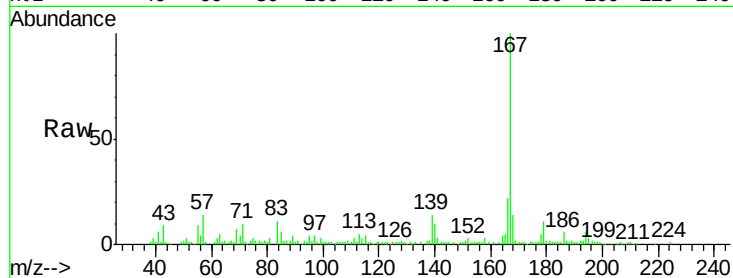
#72
 Carbazole
 Concen: 3.294 ng
 RT: 11.63 min Scan# 1623
 Delta R.T. -0.01 min
 Lab File: BF103102.D
 Acq: 20 Feb 2018 00:55

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB69_N_8

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.6	26.4
139	13.9	10.9	16.3

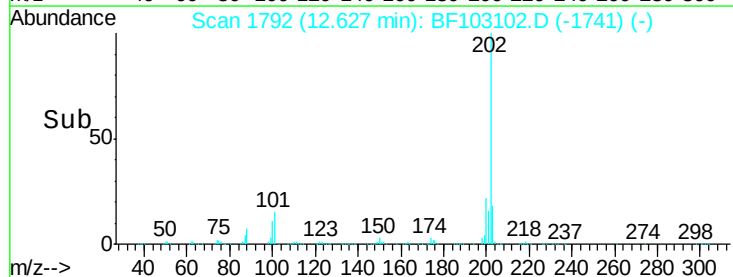
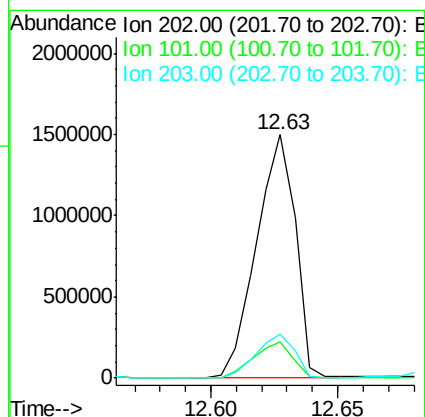
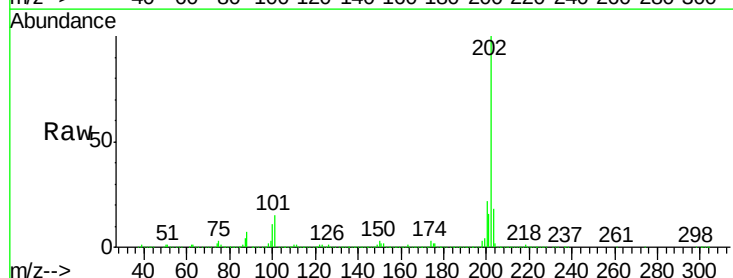
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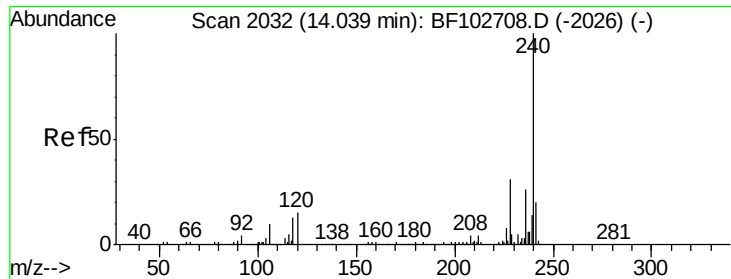
Sohil
 2/20/2018 10:21:04 AM



#74
 Fluoranthene
 Concen: 73.936 ng
 RT: 12.63 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: BF103102.D
 Acq: 20 Feb 2018 00:55

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.8	0.0	34.1
203	17.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.00 min

Lab File: BF103102.D

Acq: 20 Feb 2018 00:55

Instrument :

BNA_F

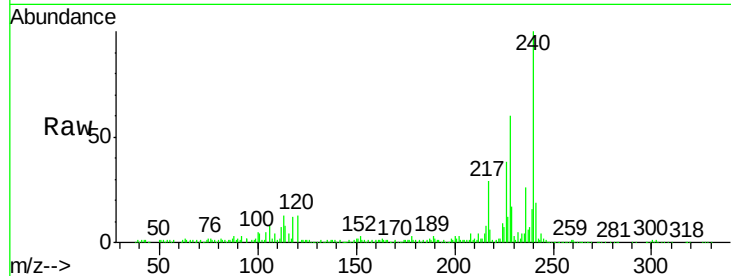
ClientSampleId :

A2_SB69_N_8

Tgt Ion:	240	Resp:	244455
Ion Ratio	Lower	Upper	
240	100		
120	13.4	9.5	14.3
236	26.4	20.7	31.1

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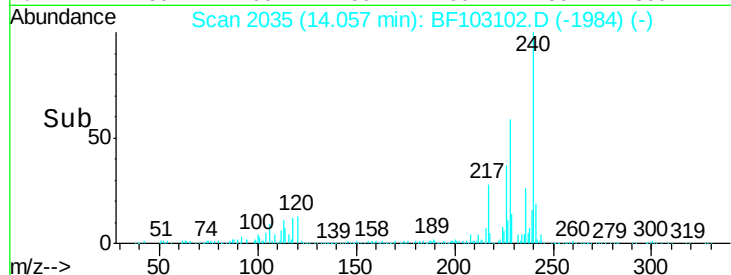


Abundance Ion 240.00 (239.70 to 240.70): E

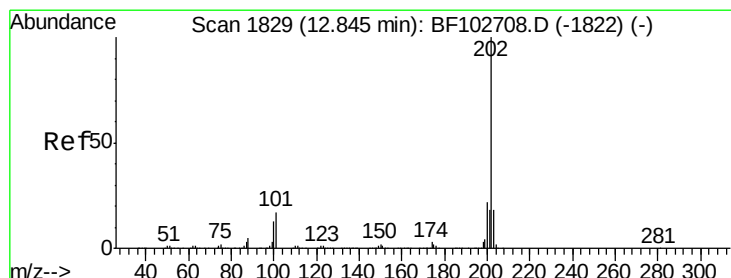
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

Time-->



Time-->



#77

Pyrene

Concen: 84.405 ng

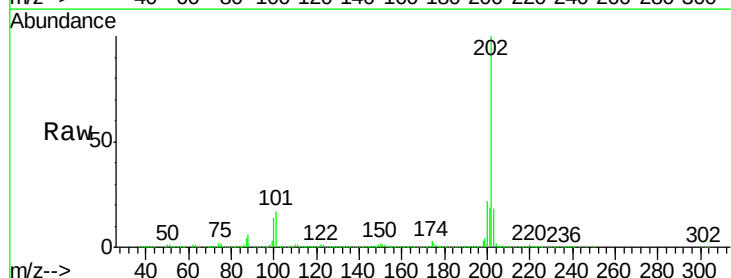
RT: 12.86 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BF103102.D

Acq: 20 Feb 2018 00:55

Tgt Ion:	202	Resp:	1617965
Ion Ratio	Lower	Upper	
202	100		
200	21.9	17.4	26.2
203	18.5	14.3	21.5

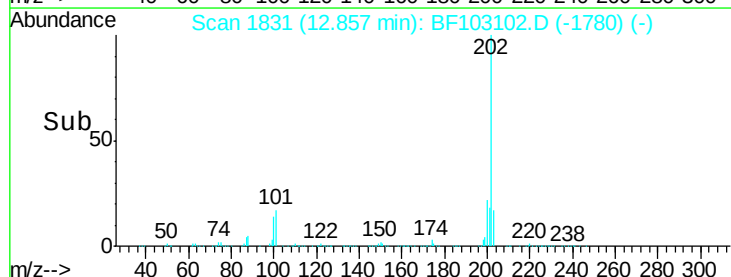


Abundance Ion 202.00 (201.70 to 202.70): E

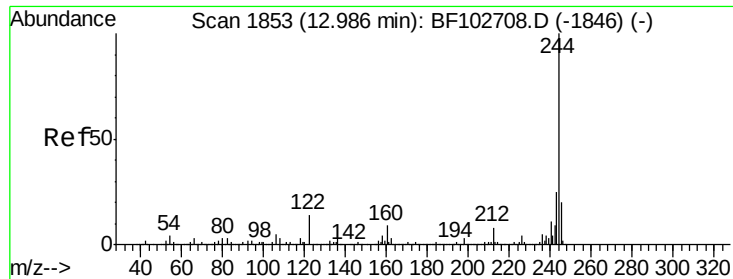
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

Time-->



Time-->



#78

Terphenyl-d14

Concen: 5.159 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF103102.D

Acq: 20 Feb 2018 00:55

Instrument :

BNA_F

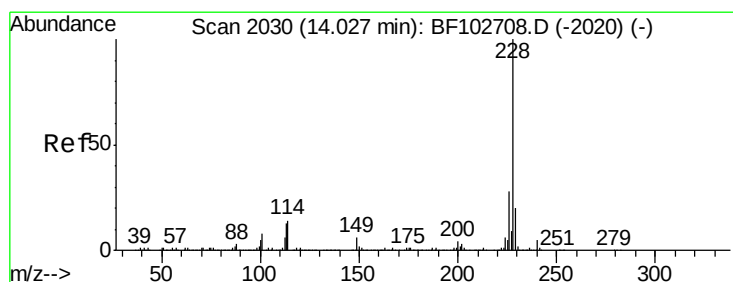
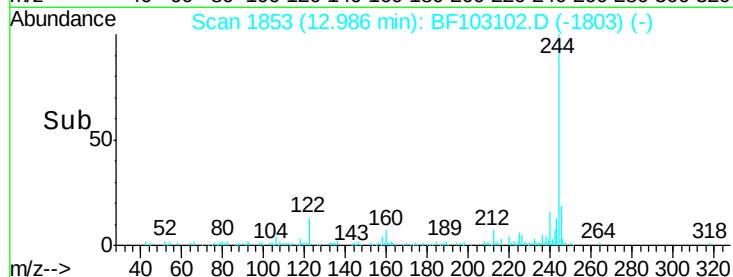
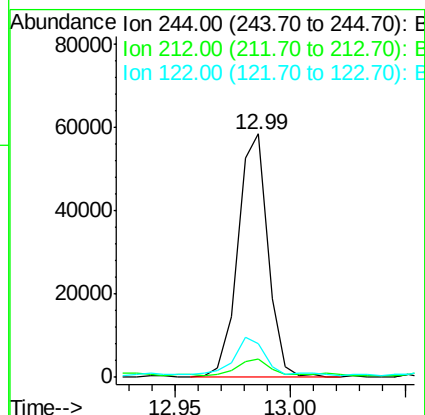
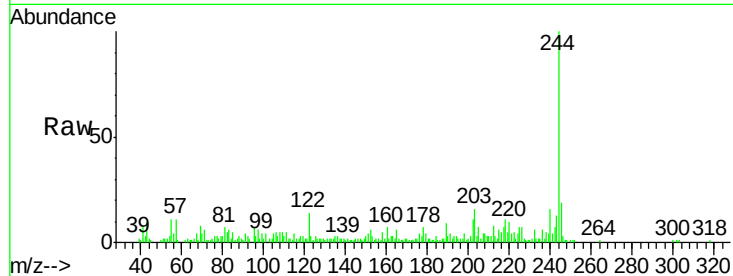
ClientSampleId :

A2_SB69_N_8

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.4	8.0
122	13.7	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 63.394 ng m

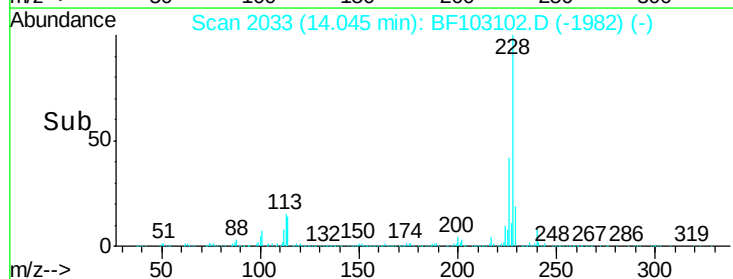
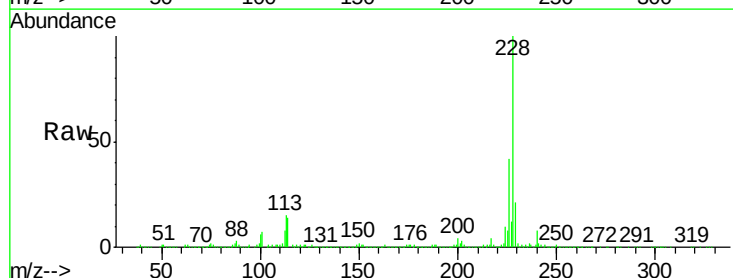
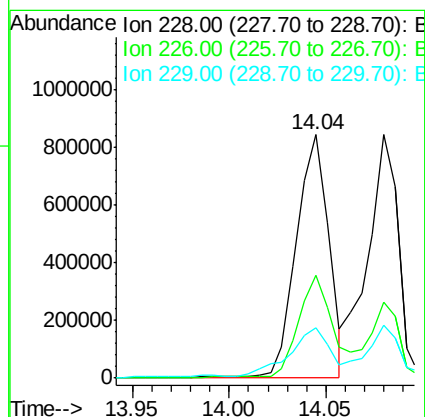
RT: 14.04 min Scan# 2033

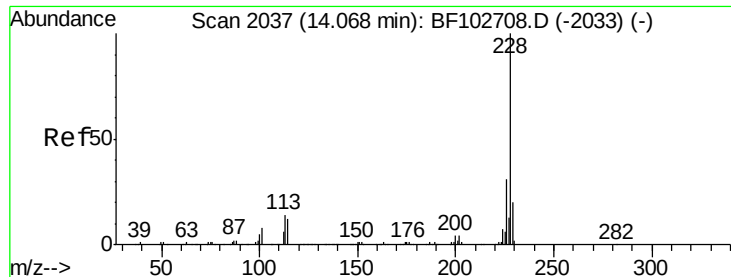
Delta R.T. -0.00 min

Lab File: BF103102.D

Acq: 20 Feb 2018 00:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	42.2	22.6	33.8#
229	20.8	15.8	23.6





#82

Chrysene

Concen: 60.434 ng m

RT: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF103102.D

Acq: 20 Feb 2018 00:55

Instrument :

BNA_F

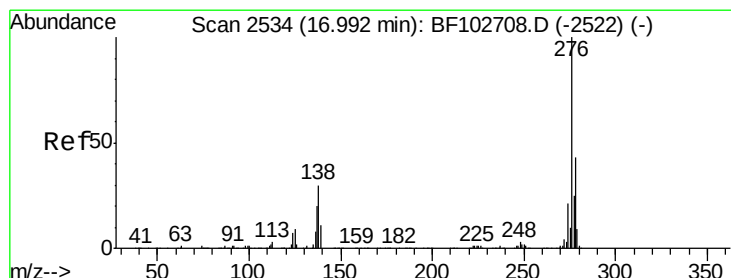
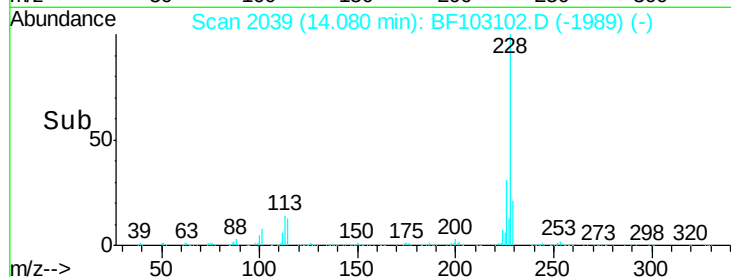
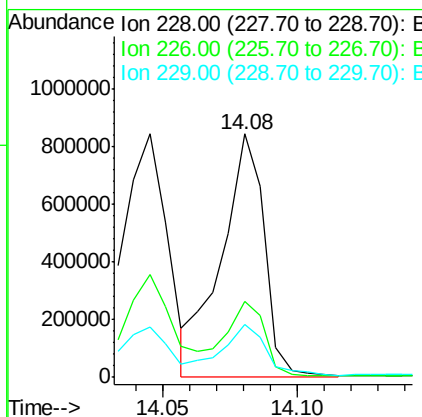
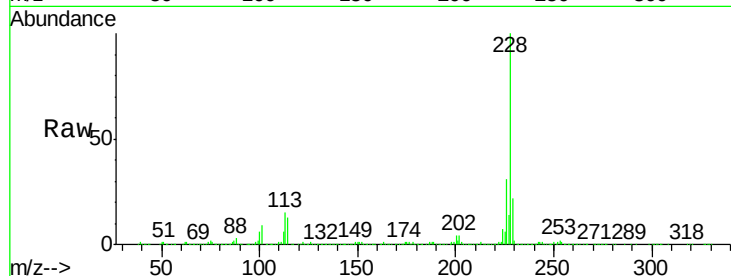
ClientSampleId :

A2_SB69_N_8

Tgt Ion:	228	Resp:	936583
Ion Ratio	Lower	Upper	
228	100		
226	31.1	25.0	37.6
229	21.9	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 43.216 ng

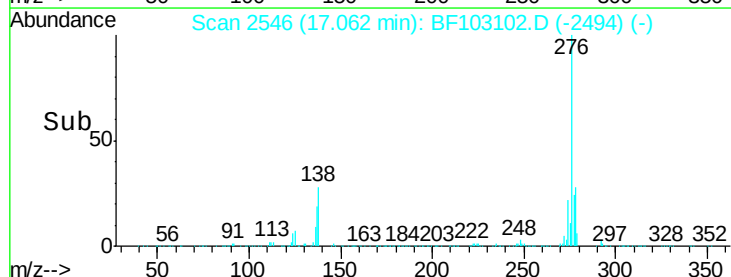
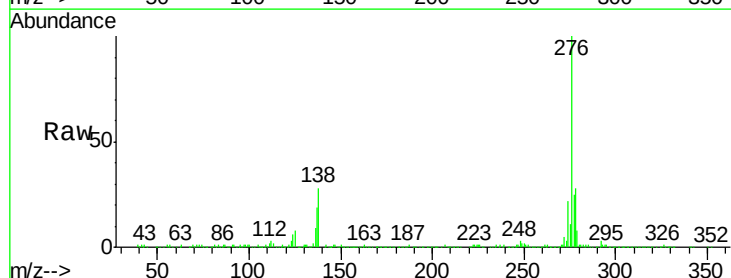
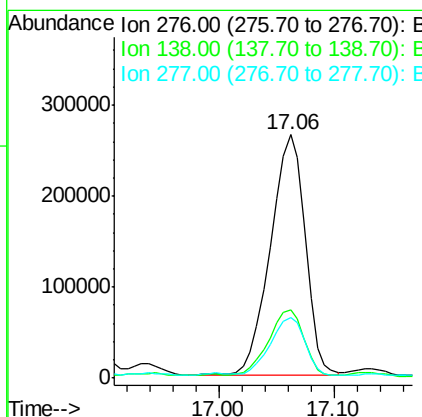
RT: 17.06 min Scan# 2546

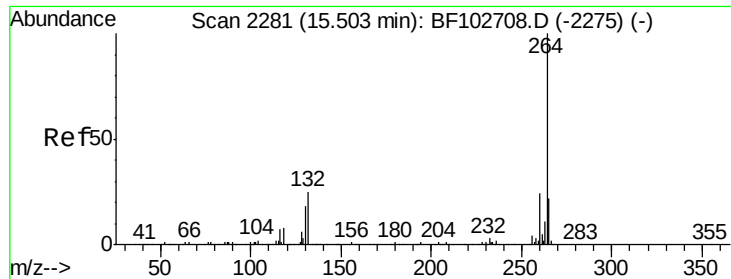
Delta R.T. 0.01 min

Lab File: BF103102.D

Acq: 20 Feb 2018 00:55

Tgt Ion:	276	Resp:	555474
Ion Ratio	Lower	Upper	
276	100		
138	27.5	25.0	37.6
277	24.3	20.1	30.1





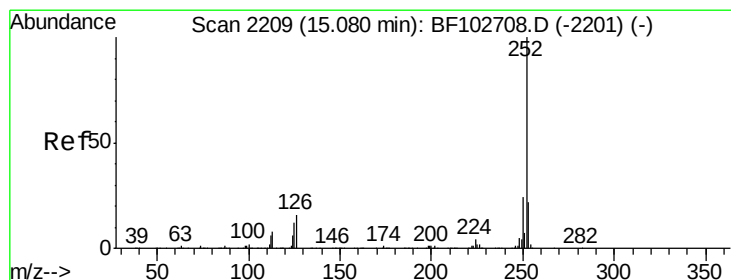
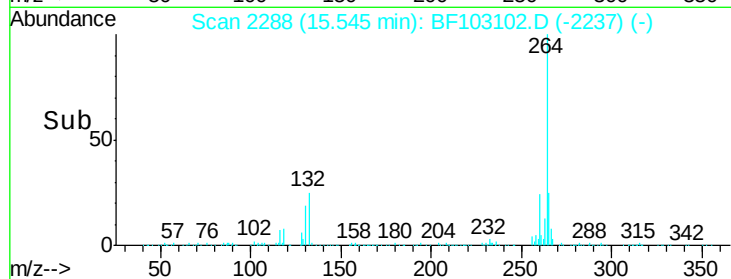
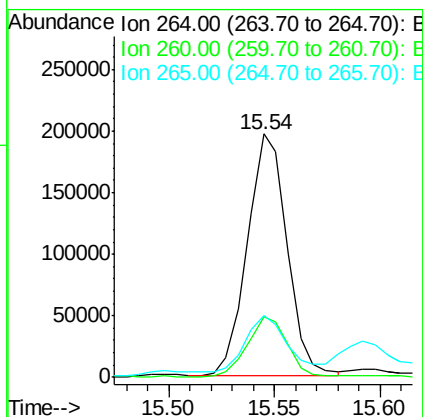
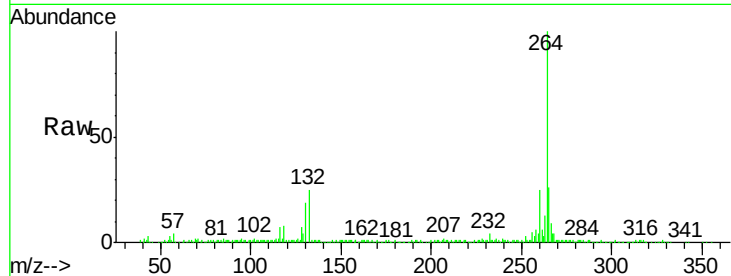
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. 0.00 min
Lab File: BF103102.D
Acq: 20 Feb 2018 00:55

Instrument :
BNA_F
ClientSampleId :
A2_SB69_N_8

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	256139		
260	24.8	19.2	28.8	
265	25.6	17.5	26.3	

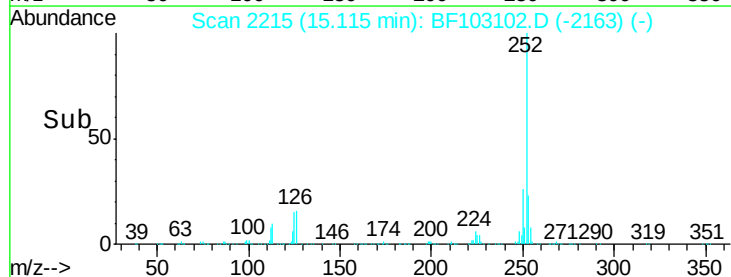
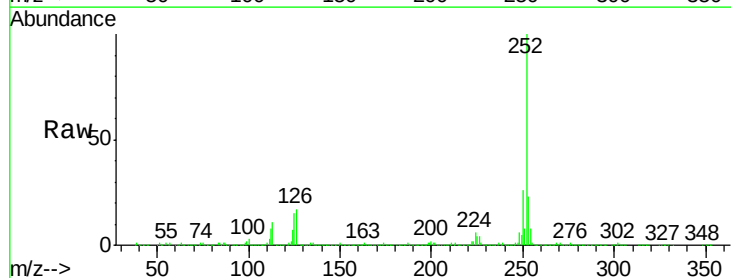
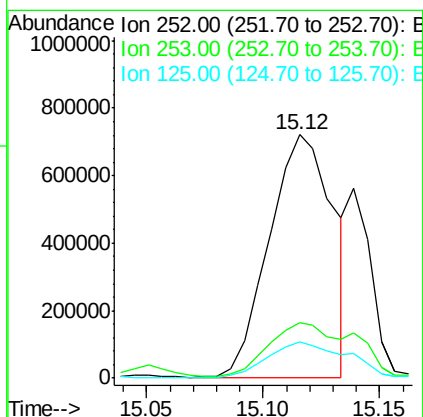
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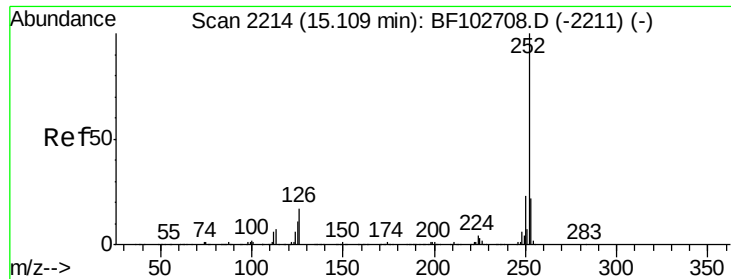
Sohil
2/20/2018 10:21:04 AM



#87
Benzo(b)fluoranthene
Concen: 82.564 ng m
RT: 15.12 min Scan# 2215
Delta R.T. 0.01 min
Lab File: BF103102.D
Acq: 20 Feb 2018 00:55

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	1371091		
253	23.0	17.0	25.6	
125	15.0	9.0	13.6#	





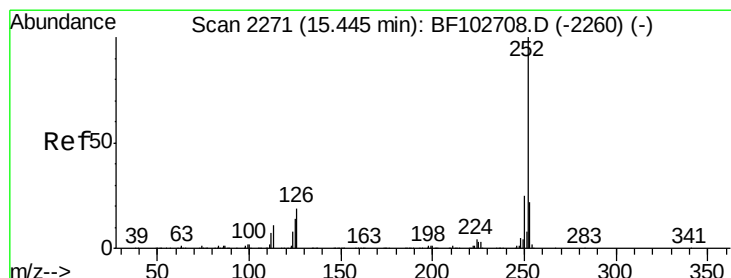
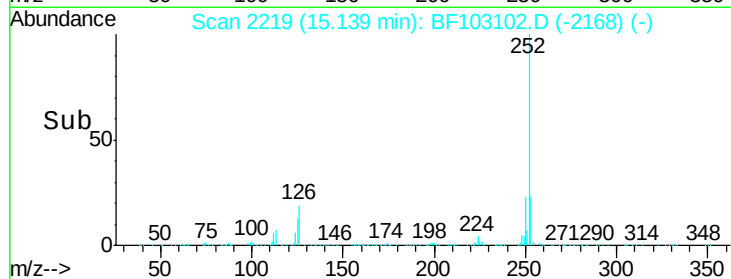
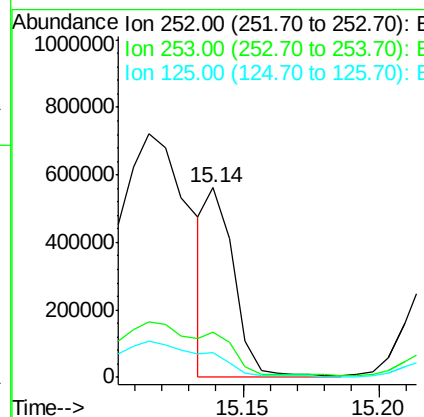
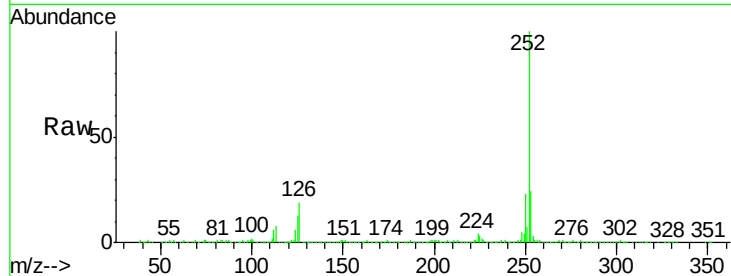
#88
Benzo(k)fluoranthene
Concen: 24.867 ng m
RT: 15.14 min Scan# 2219
Delta R.T. -0.00 min
Lab File: BF103102.D
Acq: 20 Feb 2018 00:55

Instrument :
BNA_F
ClientSampleId :
A2_SB69_N_8

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.9	26.9
125	13.0	10.2	15.2

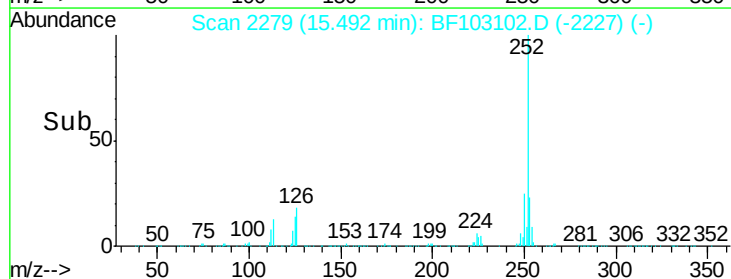
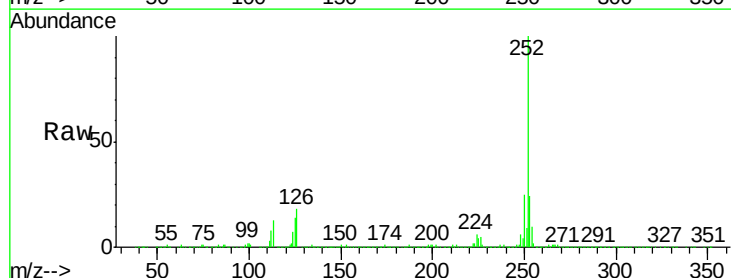
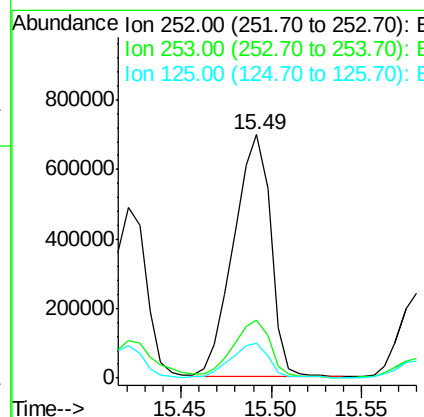
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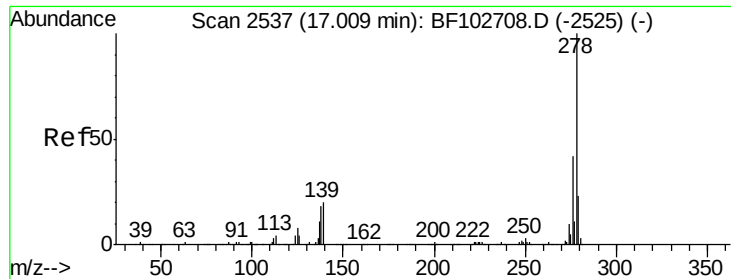
Sohil
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#89
Benzo(a)pyrene
Concen: 66.357 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.01 min
Lab File: BF103102.D
Acq: 20 Feb 2018 00:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	14.2	9.8	14.6





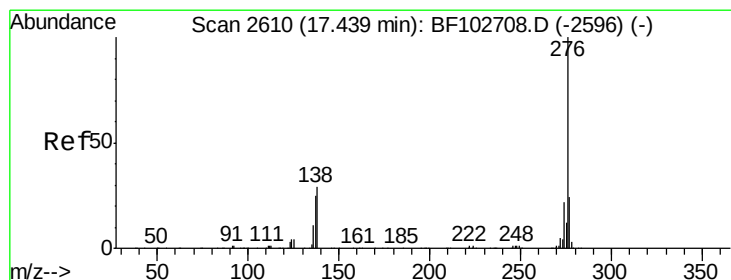
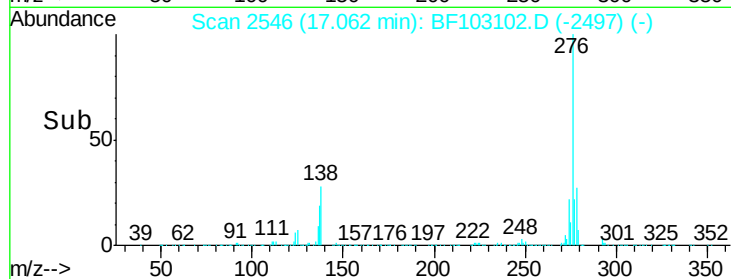
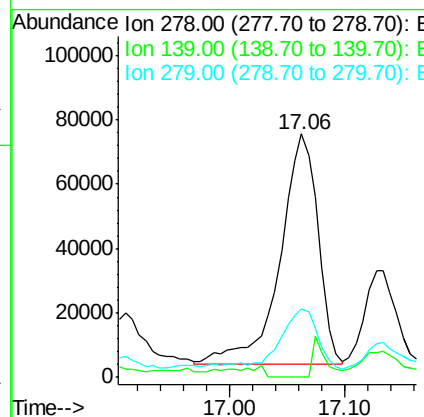
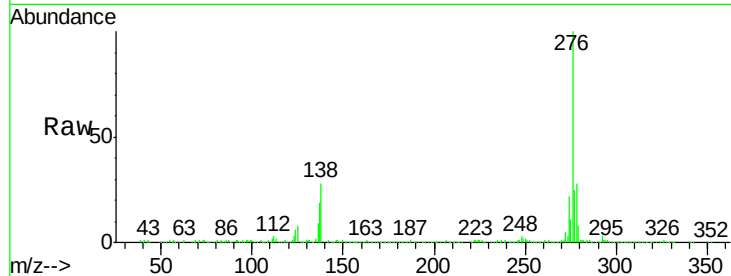
#90
Dibenzo(a,h)anthracene
Concen: 13.453 ng m
RT: 17.06 min Scan# 2546
Delta R.T. -0.01 min
Lab File: BF103102.D
Acq: 20 Feb 2018 00:55

Instrument :
BNA_F
ClientSampleId :
A2_SB69_N_8

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	27.8	19.0	28.4

Manual Integrations
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2/20/2018 10:21:04 AM



#91
Benzo(g,h,i)perylene
Concen: 47.283 ng
RT: 17.53 min Scan# 2625
Delta R.T. 0.01 min
Lab File: BF103102.D
Acq: 20 Feb 2018 00:55

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	17.9	26.9
138	28.3	21.8	32.8

