

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF021918\
 Data File : BF103104.D
 Acq On : 20 Feb 2018 1:48
 Operator : SJ/JU
 Sample : J1600-05 20X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB68_S_8

Manual Integrations
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Sohil
 2/20/2018 10:21:09 AM

Quant Time: Feb 20 02:41:29 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	166407	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	687540	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	286333	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	409314	20.00	ng	0.00
75) Chrysene-d12	14.06	240	236055	20.00	ng	0.00
86) Perylene-d12	15.55	264	257936	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	54994	5.02	ng	0.00
7) Phenol-d6	6.50	99	71050	5.39	ng	0.00
23) Nitrobenzene-d5	7.44	82	39321	3.97	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	9206	3.99	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	55216	3.20	ng	-0.01
78) Terphenyl-d14	12.99	244	33386	3.35	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.18	128	343636	10.230	ng	98
37) 2-Methylnaphthalene	8.87	142	118711	5.398	ng	98
48) Acenaphthylene	9.77	152	703042	23.840	ng	99
51) Acenaphthene	9.95	154	46788	2.653	ng	98
54) Dibenzofuran	10.12	168	206711	8.317	ng	97
57) Fluorene	10.46	166	377858	20.896	ng	99
70) Phenanthrene	11.43	178	1841955	80.801	ng	99
71) Anthracene	11.49	178	872647	37.637	ng	99
72) Carbazole	11.63	167	118574	5.220	ng	99
74) Fluoranthene	12.63	202	2260662	98.566	ng	100
77) Pyrene	12.86	202	2075777	112.141	ng	99
80) Benzo(a)anthracene	14.04	228	1312743m	88.426	ng	
82) Chrysene	14.09	228	1138344	76.066	ng	97
85) Indeno(1,2,3-cd)pyrene	17.07	276	554065	44.640	ng	95
87) Benzo(b)fluoranthene	15.12	252	1407802m	84.184	ng	
88) Benzo(k)fluoranthene	15.14	252	549702m	34.402	ng	
89) Benzo(a)pyrene	15.49	252	1101046	73.146	ng	97
90) Dibenzo(a,h)anthracene	17.07	278	158871m	13.003	ng	
91) Benzo(g,h,i)perylene	17.53	276	503056	42.066	ng	99

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

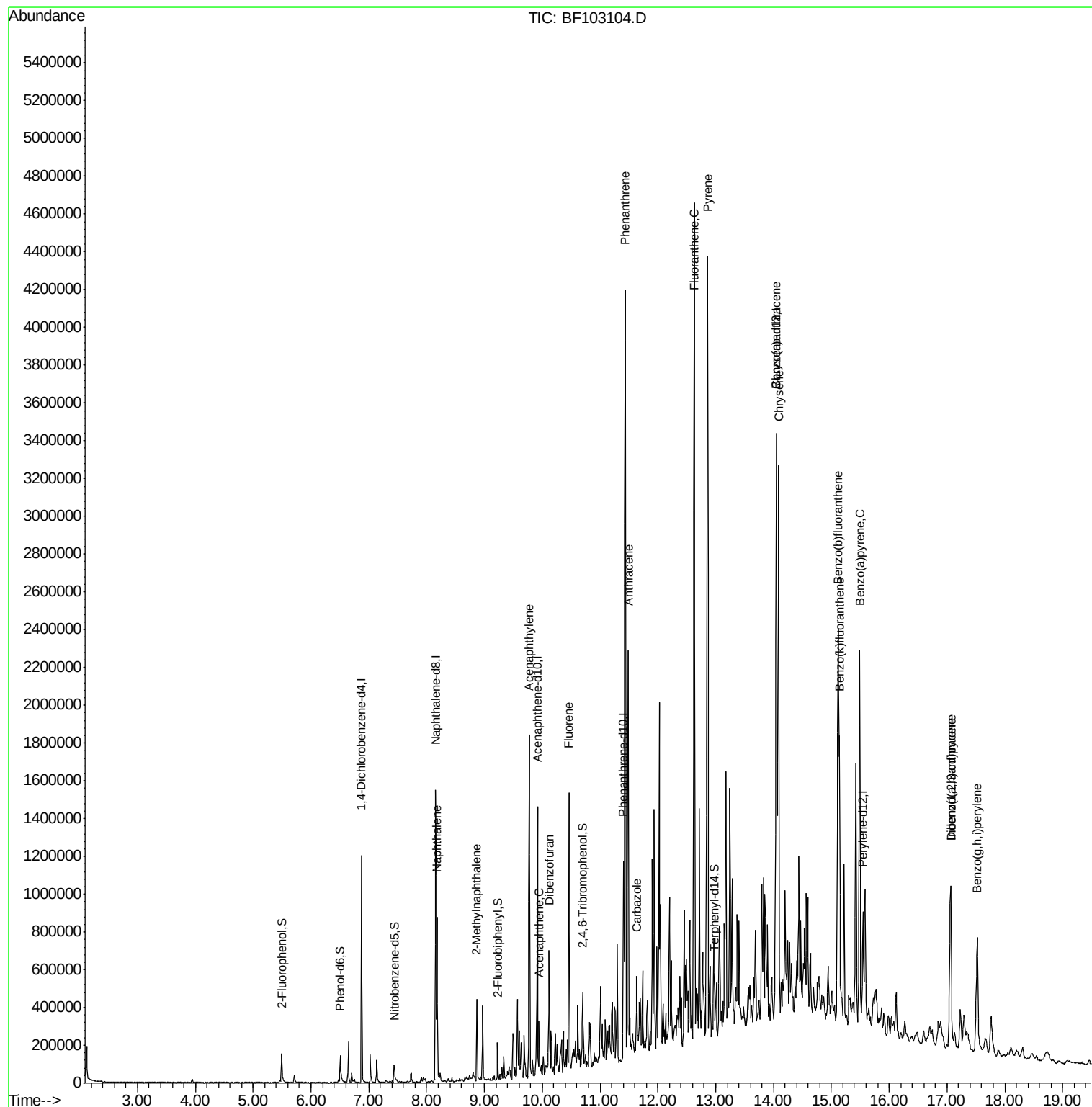
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF021918\
Data File : BF103104.D
Acq On : 20 Feb 2018 1:48
Operator : SJ/JU
Sample : J1600-05 20X
Misc :
ALS Vial : 35 Sample Multiplier: 1

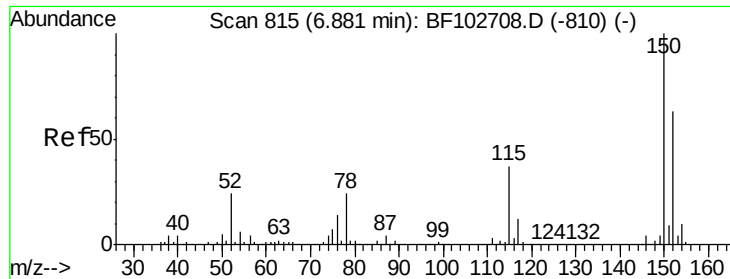
Instrument :
BNA_F
ClientSampleId :
A2_SB68_S_8

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#1

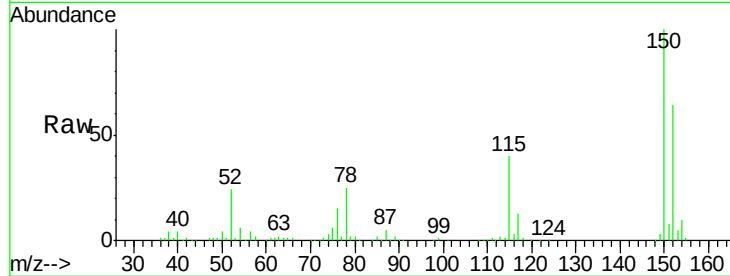
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103104.D
Acq: 20 Feb 2018 1:48

Instrument :
BNA_F
ClientSampleId :
A2_SB68_S_8

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.2	124.6	186.8
115	63.1	50.1	75.1

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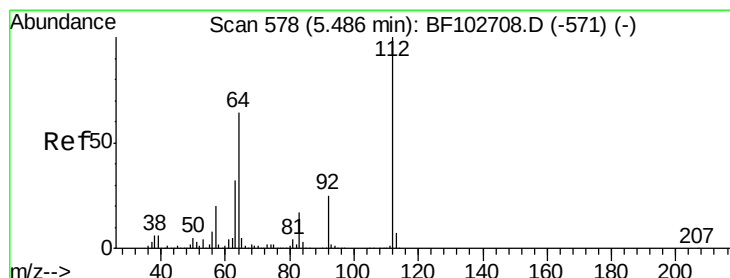
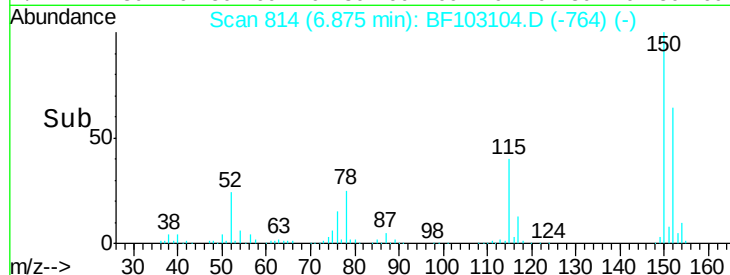
Abundance

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

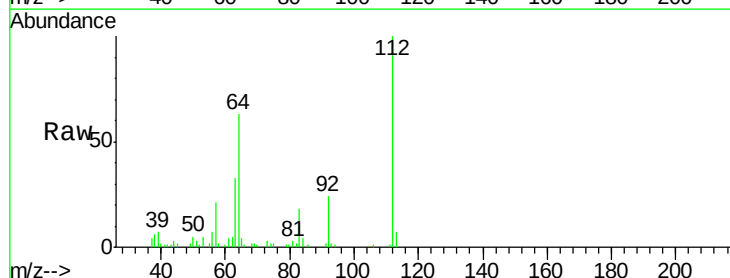
Time-->



#5

2-Fluorophenol
Concen: 5.019 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.00 min
Lab File: BF103104.D
Acq: 20 Feb 2018 1:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.0	47.9	71.9
63	33.1	23.7	35.5



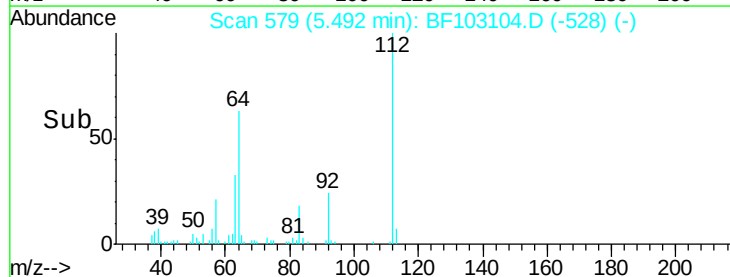
Abundance

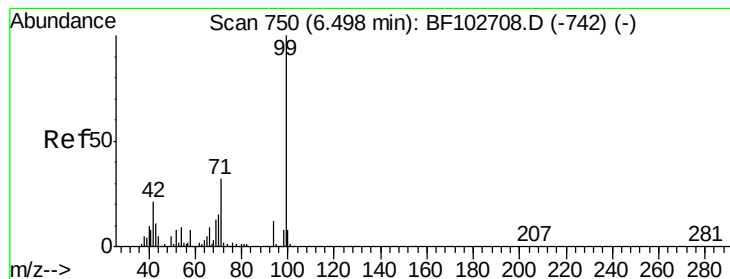
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Time-->





#7

Phenol-d6

Concen: 5.385 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF103104.D

Acq: 20 Feb 2018 1:48

Instrument :

BNA_F

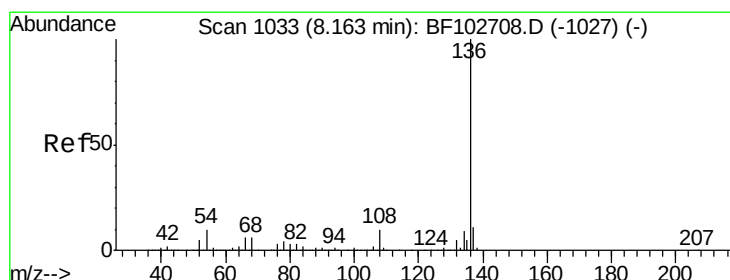
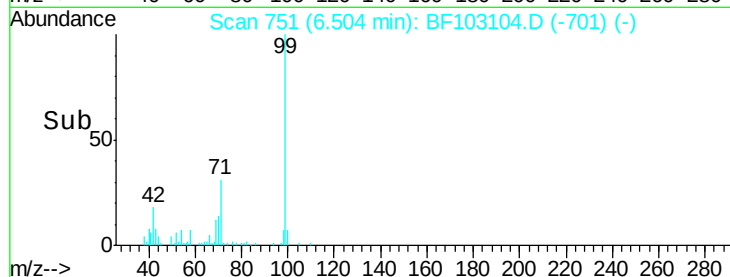
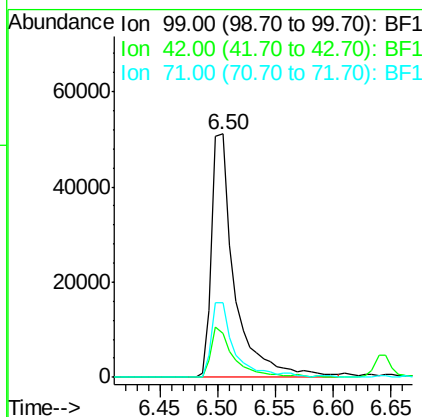
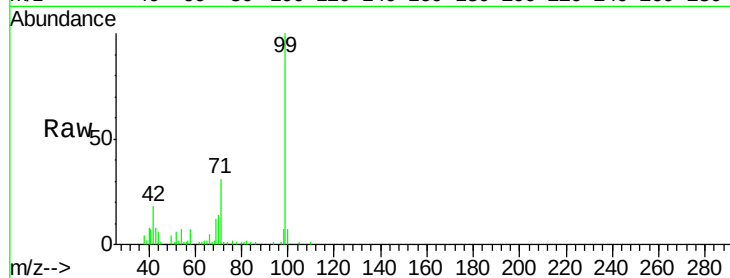
ClientSampleId :

A2_SB68_S_8

Tgt Ion:	99	Resp:	71050
Ion	Ratio	Lower	Upper
99	100		
42	18.1	14.5	21.7
71	30.7	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

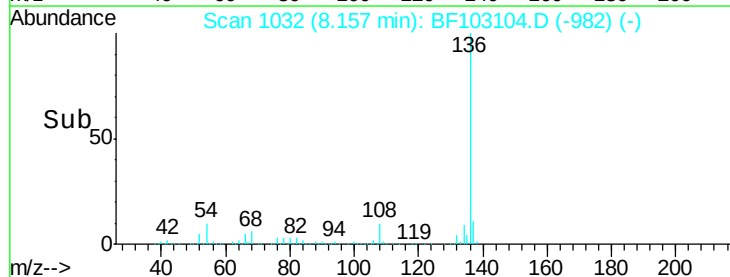
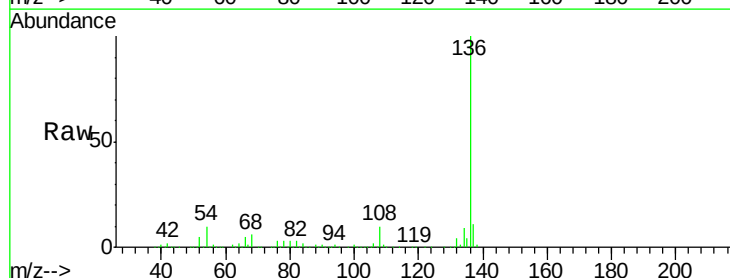
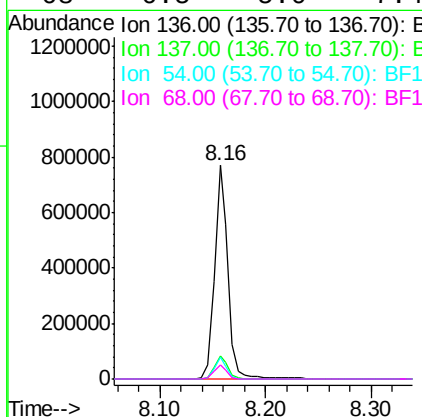
RT: 8.16 min Scan# 1032

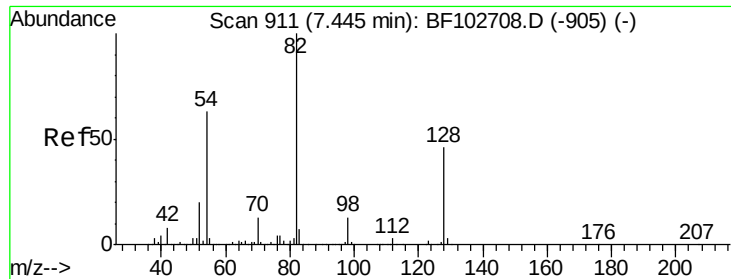
Delta R.T. -0.01 min

Lab File: BF103104.D

Acq: 20 Feb 2018 1:48

Tgt Ion:	136	Resp:	687540
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	10.0	6.6	9.8#
68	6.5	5.0	7.4





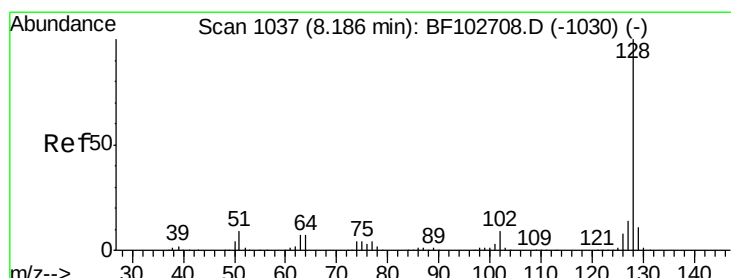
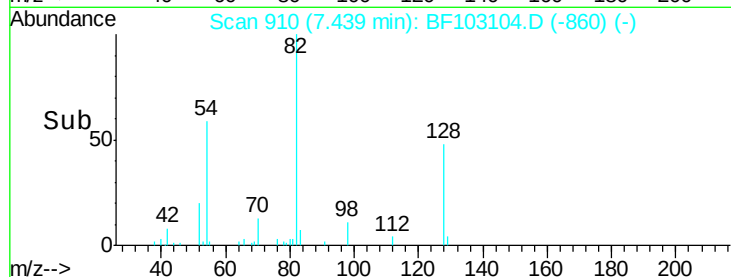
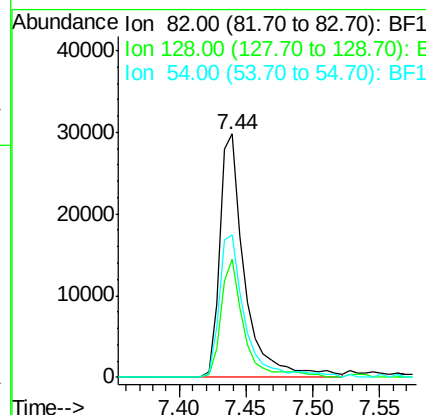
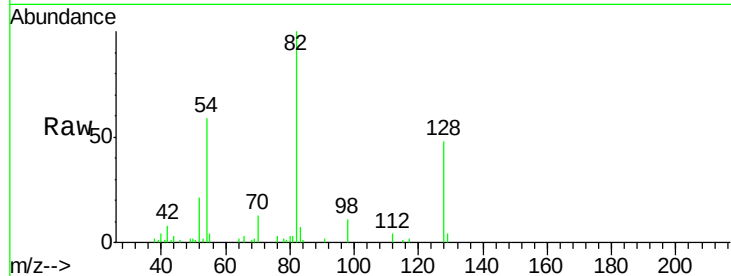
#23
 Nitrobenzene-d5
 Concen: 3.967 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: BF103104.D
 Acq: 20 Feb 2018 1:48

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB68_S_8

Tgt Ion	Ratio	Lower	Upper
82	100		
128	48.4	36.1	54.1
54	58.6	41.4	62.2

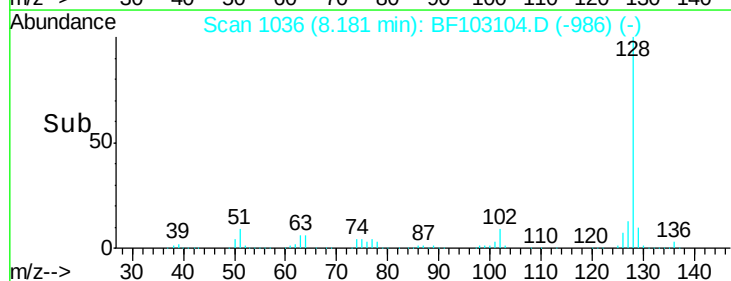
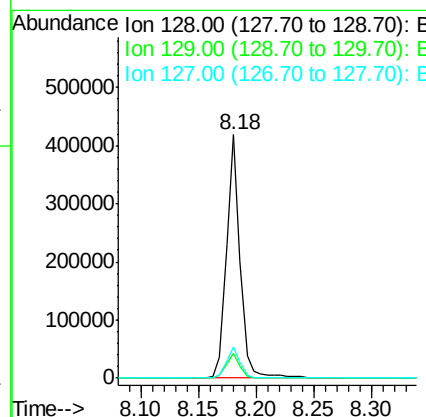
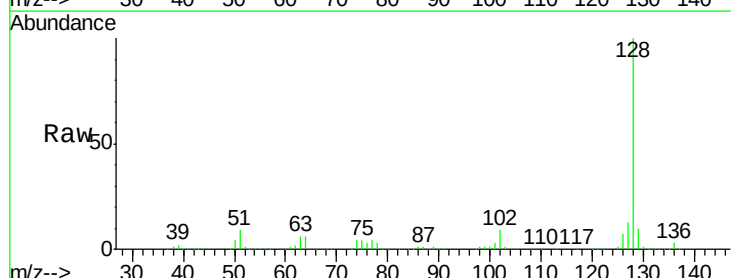
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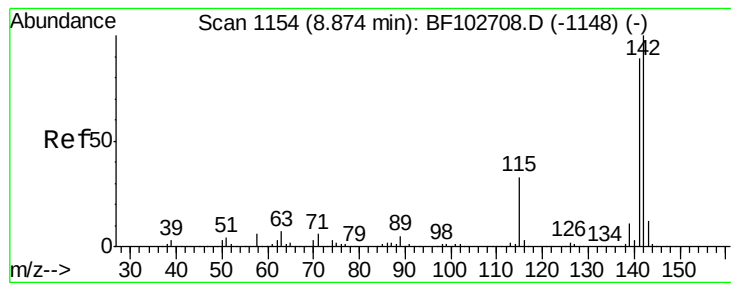
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#31
 Naphthalene
 Concen: 10.230 ng
 RT: 8.18 min Scan# 1036
 Delta R.T. -0.01 min
 Lab File: BF103104.D
 Acq: 20 Feb 2018 1:48

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.3	8.8	13.2
127	12.9	10.9	16.3



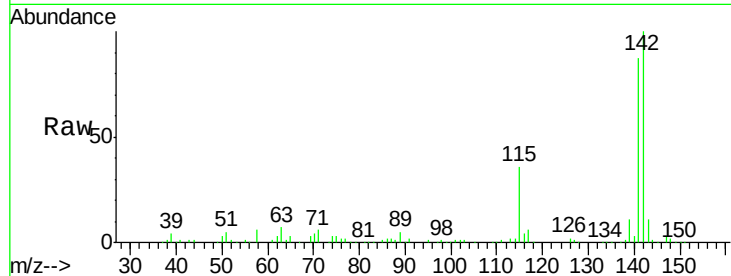


#37
2-Methylnaphthalene
Concen: 5.398 ng
RT: 8.87 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BF103104.D
Acq: 20 Feb 2018 1:48

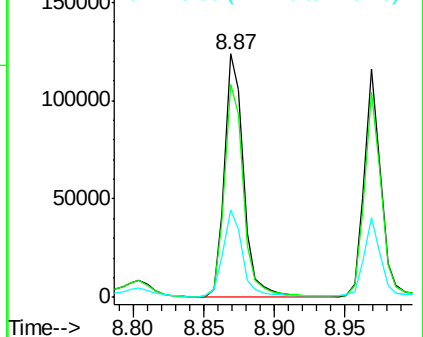
Instrument :
BNA_F
ClientSampleId :
A2_SB68_S_8

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.5	70.8	106.2
115	35.7	26.1	39.1

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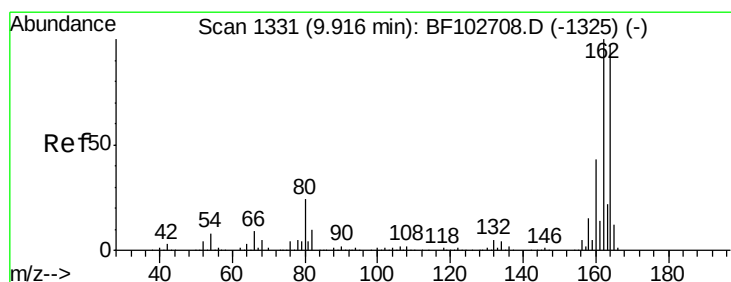
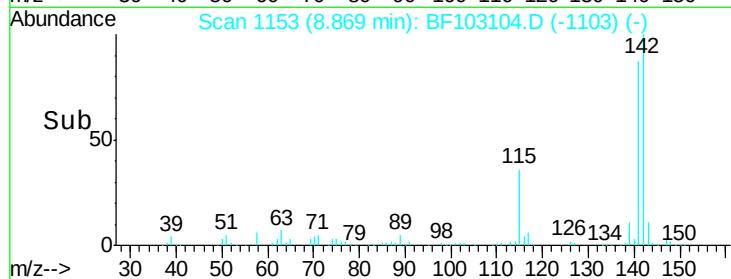


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



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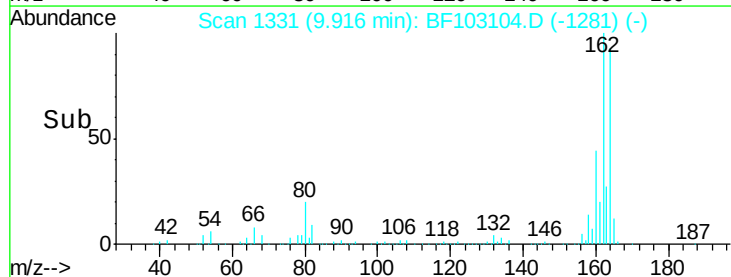
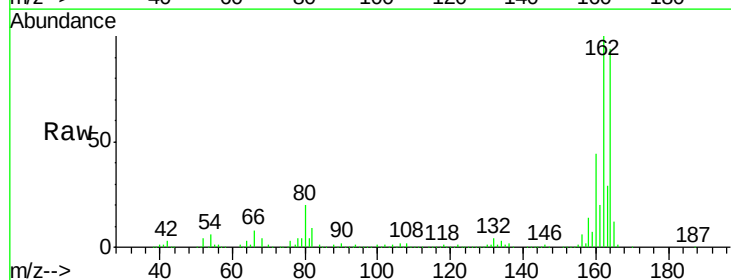
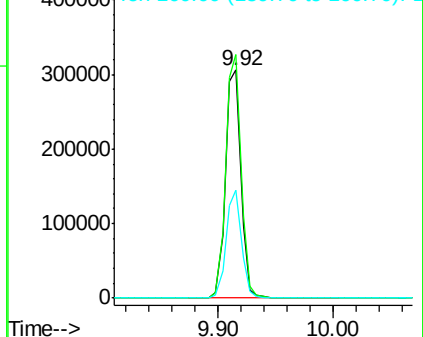
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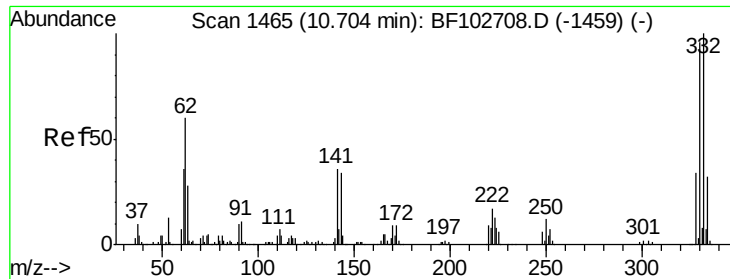


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF103104.D
Acq: 20 Feb 2018 1:48

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.9	86.1	129.1
160	47.5	38.3	57.5

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





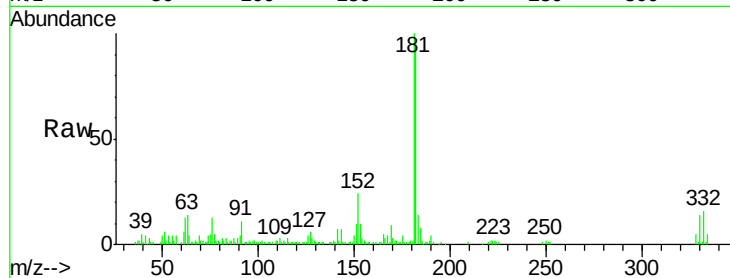
#41
 2,4,6-Tribromophenol
 Concen: 3.995 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF103104.D
 Acq: 20 Feb 2018 1:48

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB68_S_8

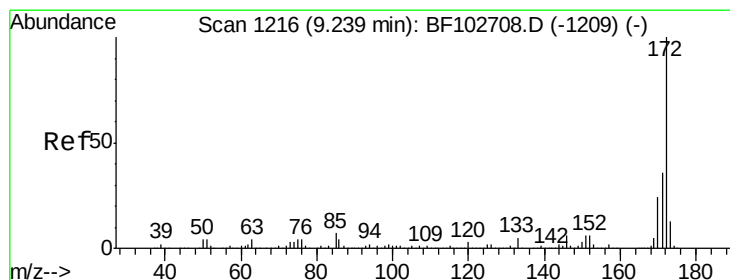
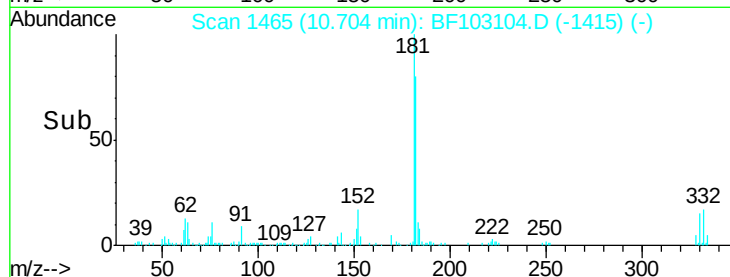
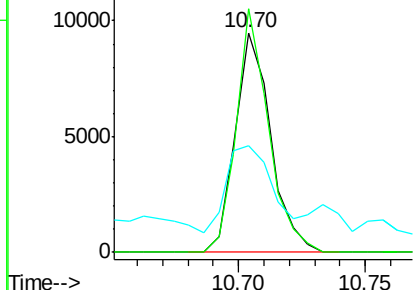
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	9206		
332	100.6	77.0	115.6	
141	50.0	29.9	44.9	

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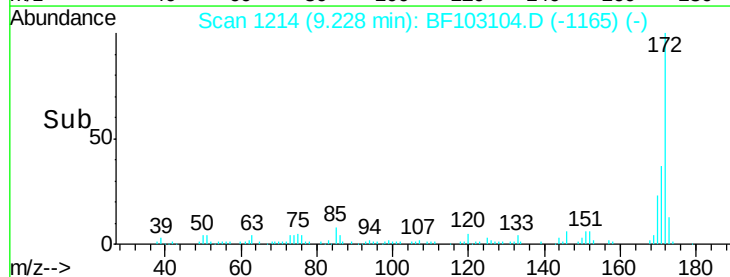
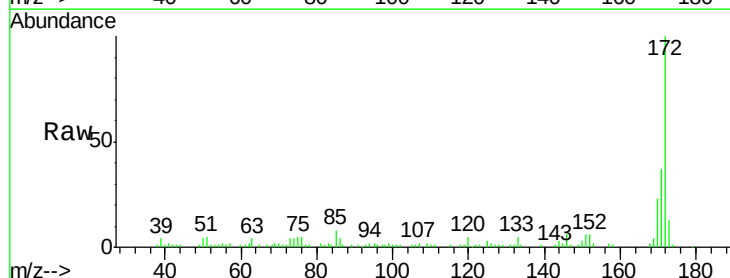
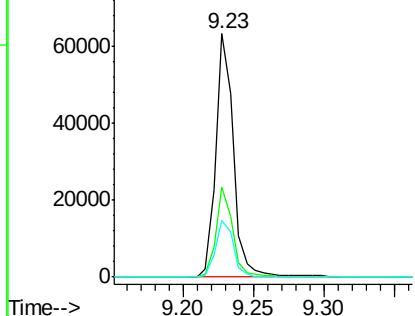
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

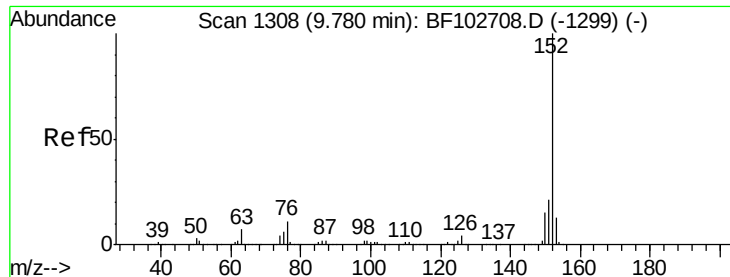


#44
 2-Fluorobiphenyl
 Concen: 3.200 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF103104.D
 Acq: 20 Feb 2018 1:48

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	55216		
171	37.1	29.7	44.5	
170	23.1	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: 23.840 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF103104.D

Acq: 20 Feb 2018 1:48

Instrument :

BNA_F

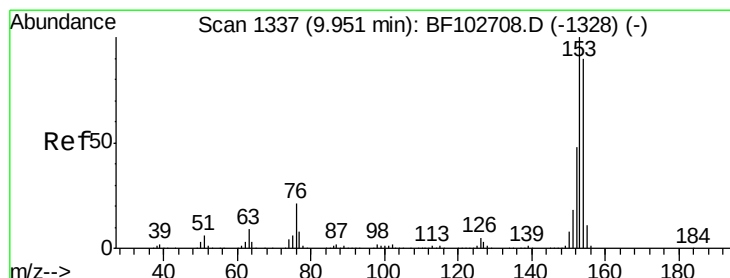
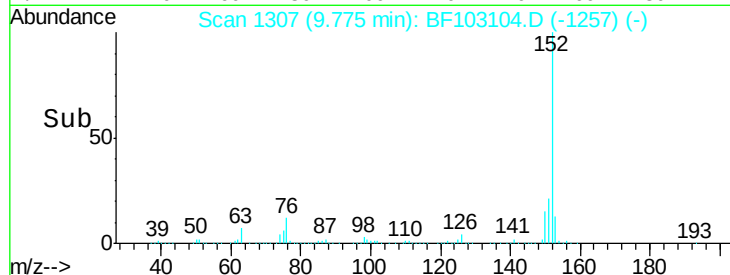
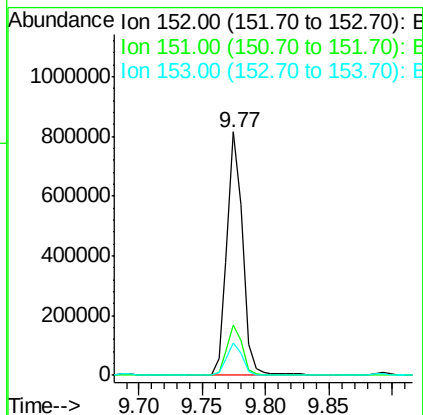
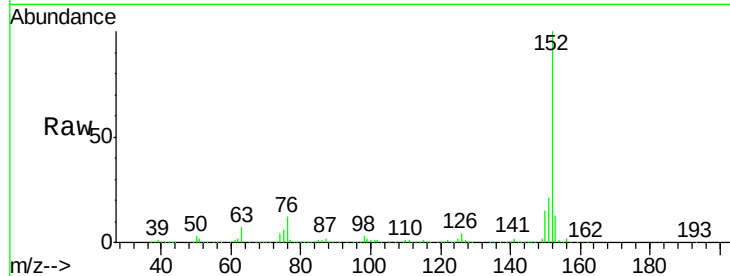
ClientSampleId :

A2_SB68_S_8

Tgt Ion:	152	Resp:	703042
Ion Ratio	Lower	Upper	
152	100		
151	20.7	16.3	24.5
153	13.2	10.7	16.1

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#51

Acenaphthene

Concen: 2.653 ng

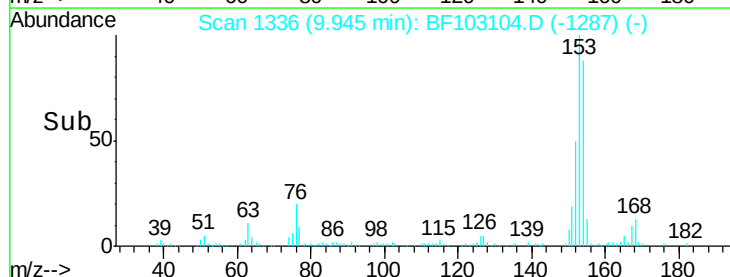
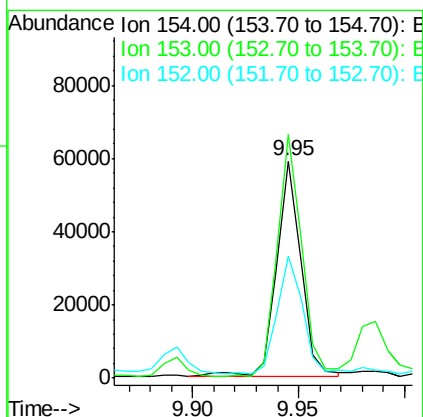
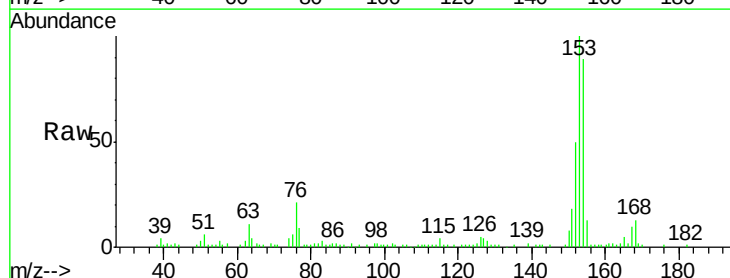
RT: 9.95 min Scan# 1336

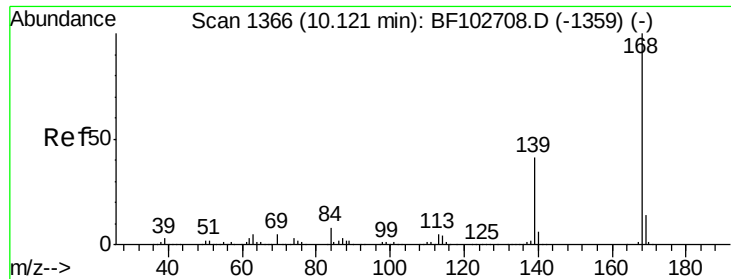
Delta R.T. -0.01 min

Lab File: BF103104.D

Acq: 20 Feb 2018 1:48

Tgt Ion:	154	Resp:	46788
Ion Ratio	Lower	Upper	
154	100		
153	112.3	91.2	136.8
152	56.4	43.8	65.8





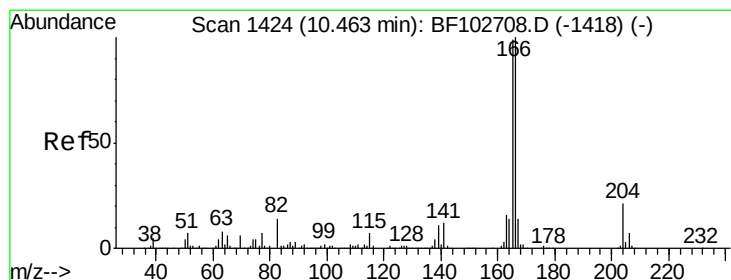
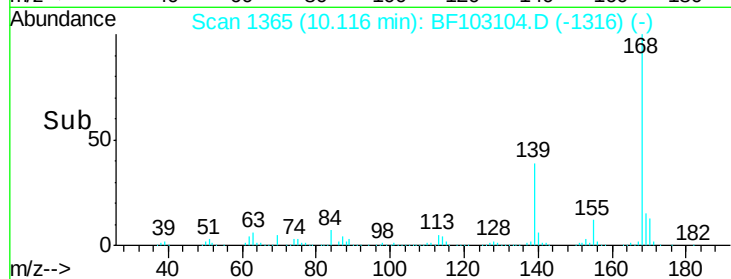
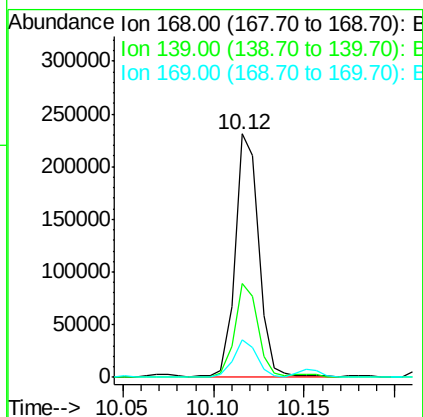
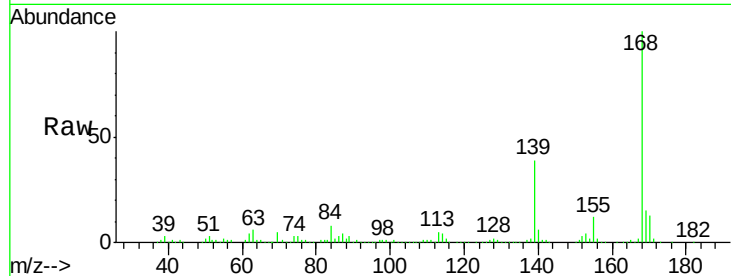
#54
Dibenzenofuran
Concen: 8.317 ng
RT: 10.12 min Scan# 1365
Delta R.T. -0.01 min
Lab File: BF103104.D
Acq: 20 Feb 2018 1:48

Instrument :
BNA_F
ClientSampleId :
A2_SB68_S_8

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	206711		
139	38.8	30.1	45.1	
169	15.2	10.9	16.3	

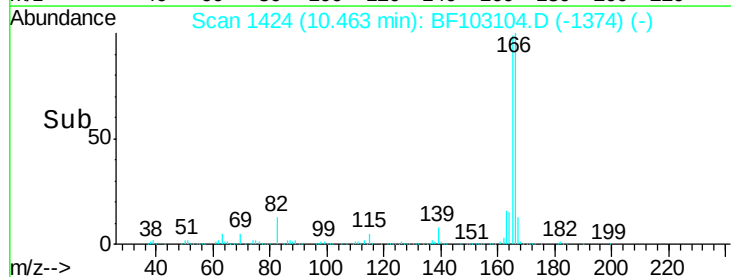
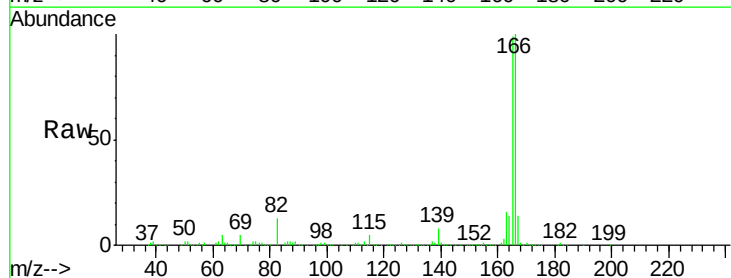
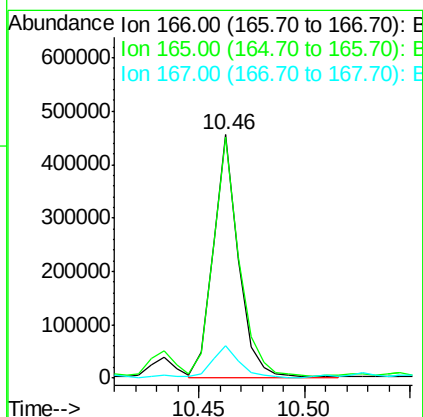
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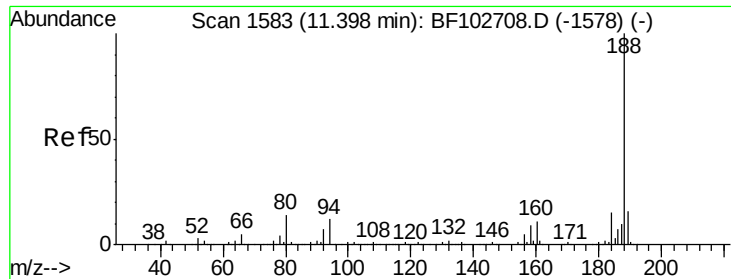
Sohil
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#57
Fluorene
Concen: 20.896 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF103104.D
Acq: 20 Feb 2018 1:48

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	377858		
165	99.2	79.8	119.8	
167	13.6	10.6	16.0	





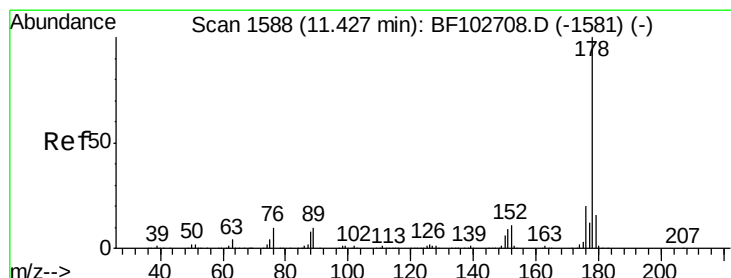
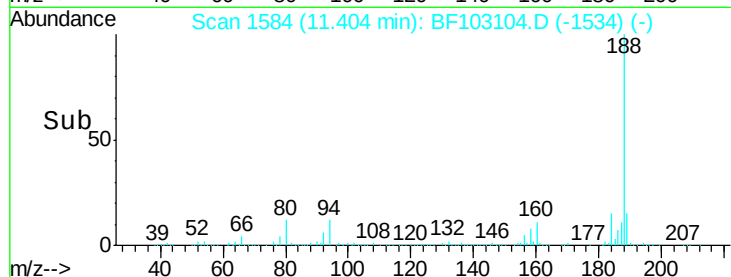
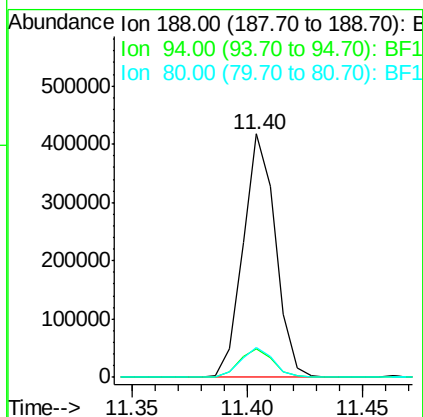
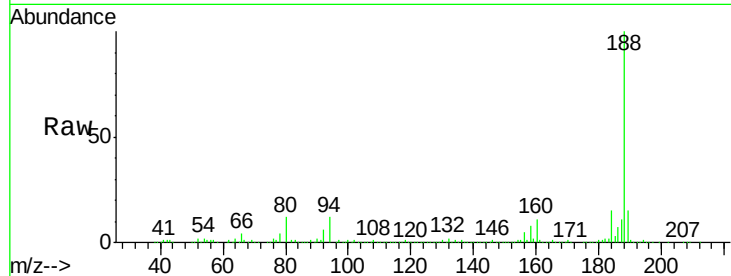
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF103104.D
Acq: 20 Feb 2018 1:48

Instrument :
BNA_F
ClientSampleId :
A2_SB68_S_8

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	409314		
94	11.9		8.5	12.7
80	12.4		9.2	13.8

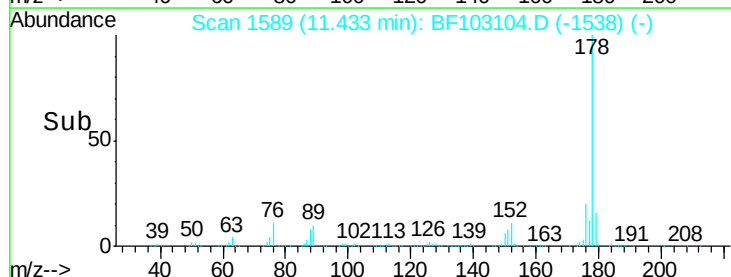
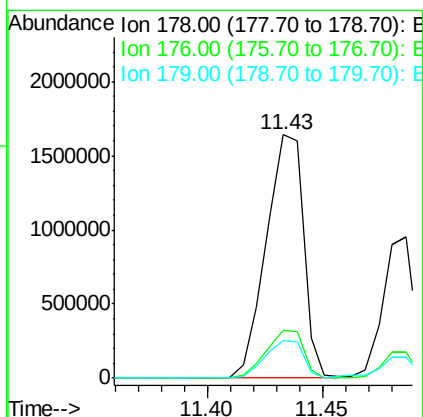
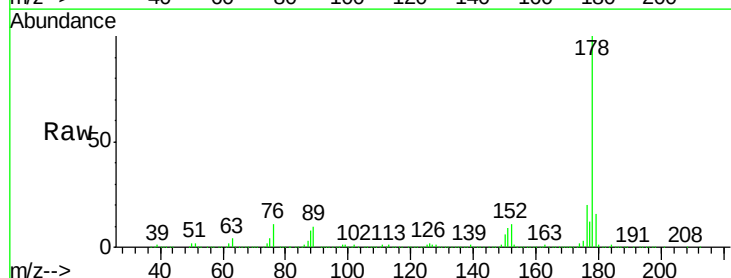
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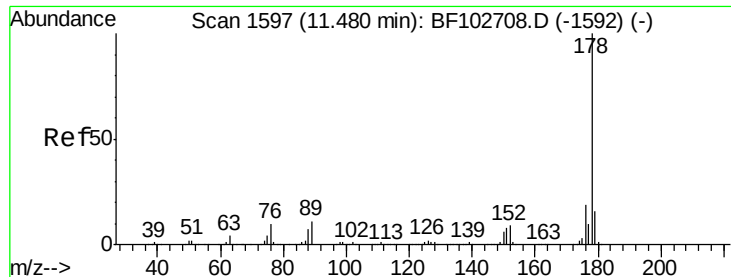
Sohil
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#70
Phenanthrene
Concen: 80.801 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.00 min
Lab File: BF103104.D
Acq: 20 Feb 2018 1:48

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1841955		
176	19.7		15.8	23.8
179	15.6		13.0	19.6





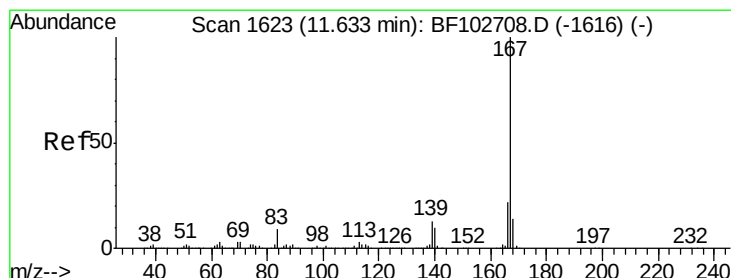
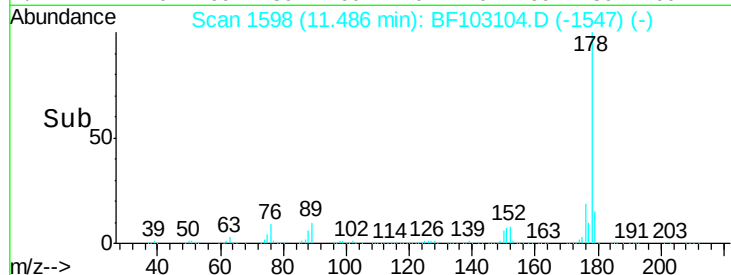
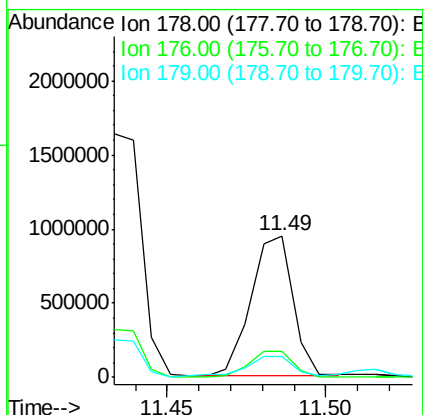
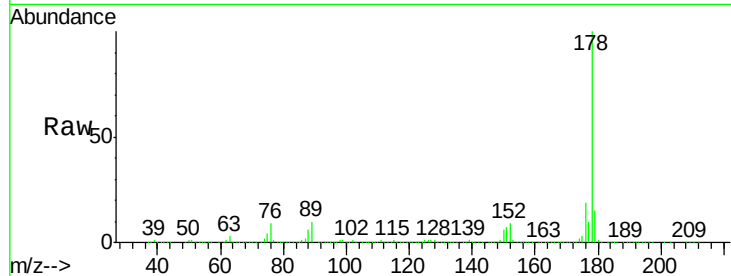
#71
 Anthracene
 Concen: 37.637 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. -0.00 min
 Lab File: BF103104.D
 Acq: 20 Feb 2018 1:48

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB68_S_8

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	15.1	12.6	19.0

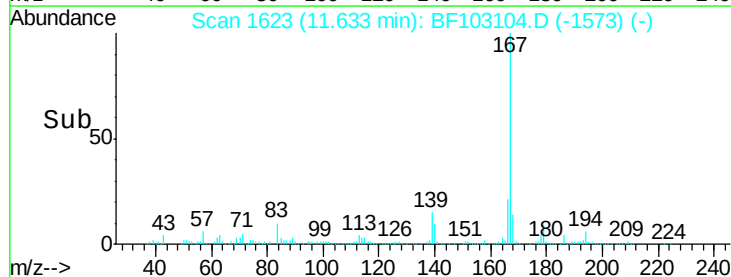
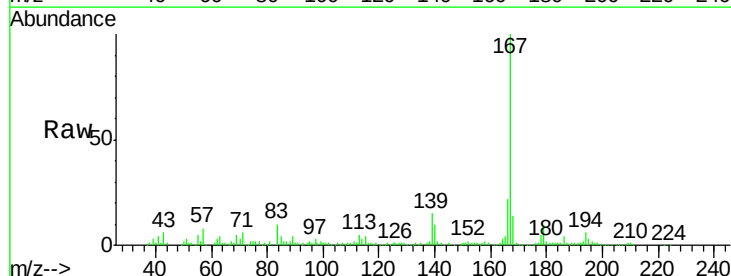
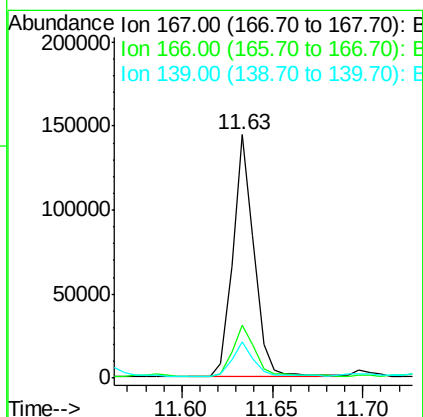
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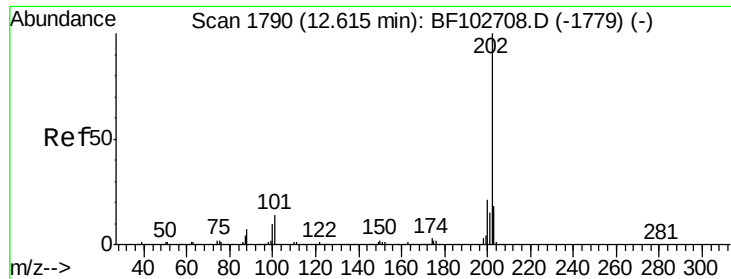
Sohil
 2/20/2018 10:21:09 AM



#72
 Carbazole
 Concen: 5.220 ng
 RT: 11.63 min Scan# 1623
 Delta R.T. -0.01 min
 Lab File: BF103104.D
 Acq: 20 Feb 2018 1:48

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.6	26.4
139	15.0	10.9	16.3





#74

Fluoranthene

Concen: 98.566 ng

RT: 12.63 min Scan# 1793

Delta R.T. 0.01 min

Lab File: BF103104.D

Acq: 20 Feb 2018 1:48

Instrument :

BNA_F

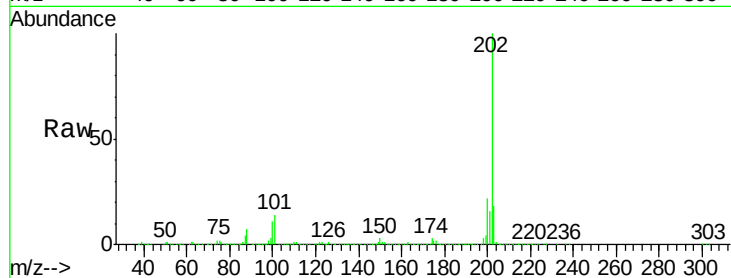
ClientSampleId :

A2_SB68_S_8

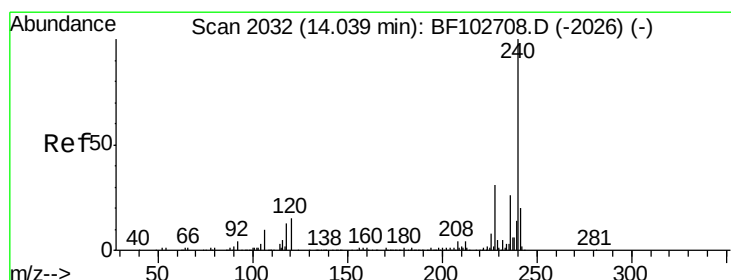
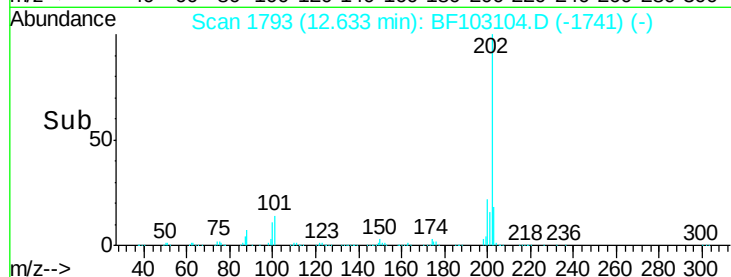
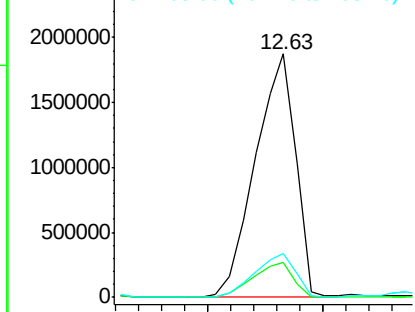
Tgt	Ion	202	Resp:	2260662
Ion	Ratio	Lower	Upper	
202	100			
101	14.3	0.0	34.1	
203	17.9	0.0	38.1	

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

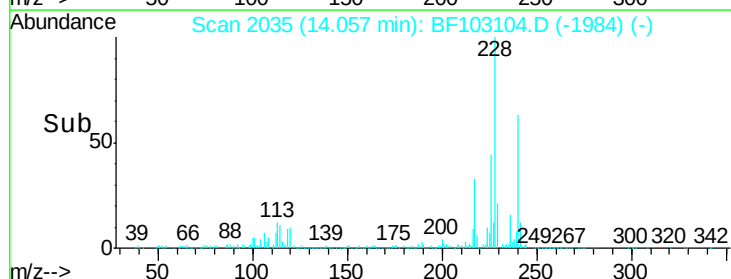
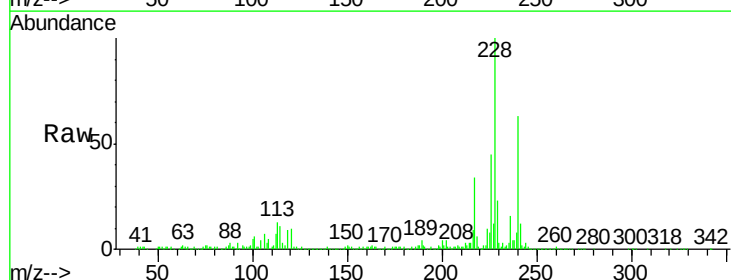
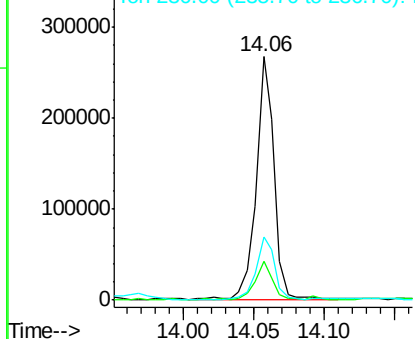
Delta R.T. -0.00 min

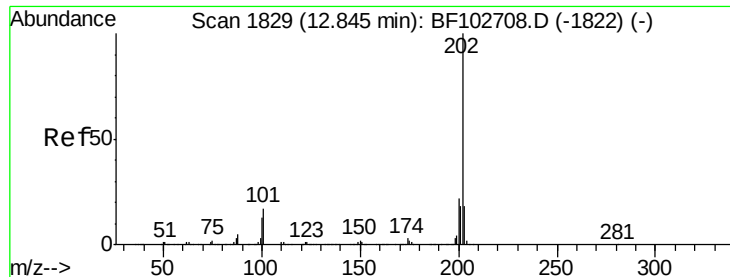
Lab File: BF103104.D

Acq: 20 Feb 2018 1:48

Tgt	Ion	240	Resp:	236055
Ion	Ratio	Lower	Upper	
240	100			
120	15.7	9.5	14.3#	
236	26.0	20.7	31.1	

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





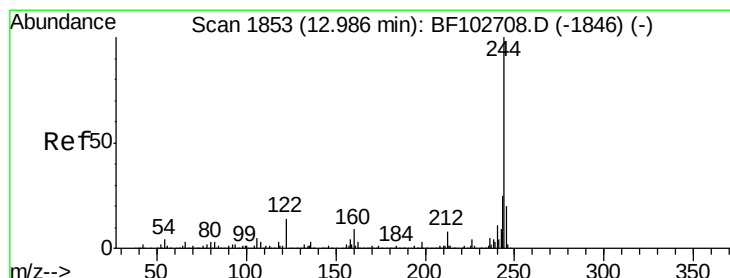
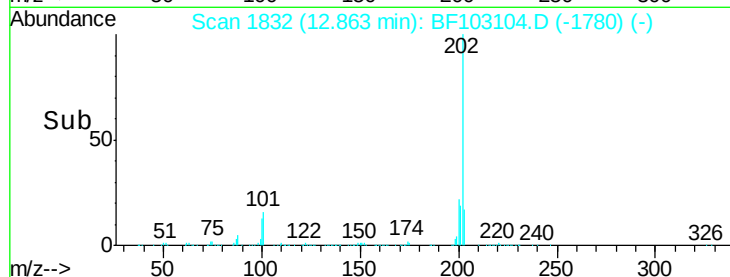
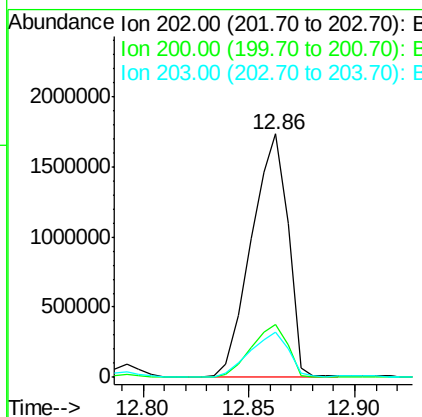
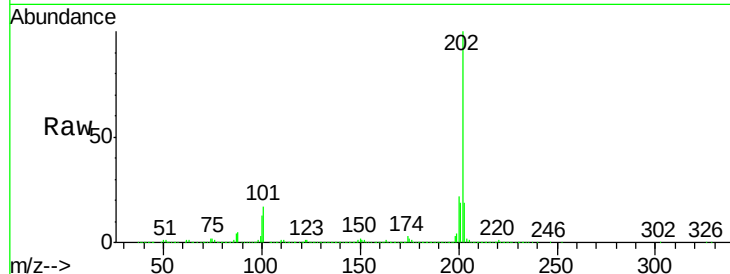
#77
 Pyrene
 Concen: 112.141 ng
 RT: 12.86 min Scan# 1832
 Delta R.T. 0.01 min
 Lab File: BF103104.D
 Acq: 20 Feb 2018 1:48

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB68_S_8

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.4	26.2
203	18.6	14.3	21.5

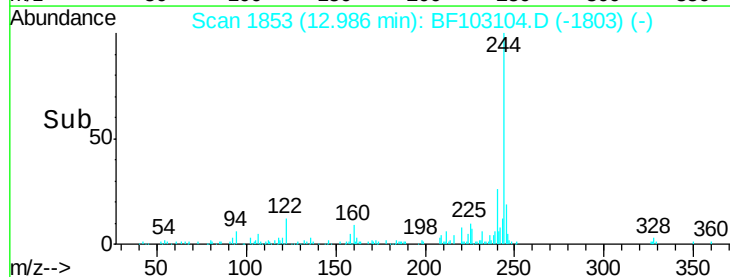
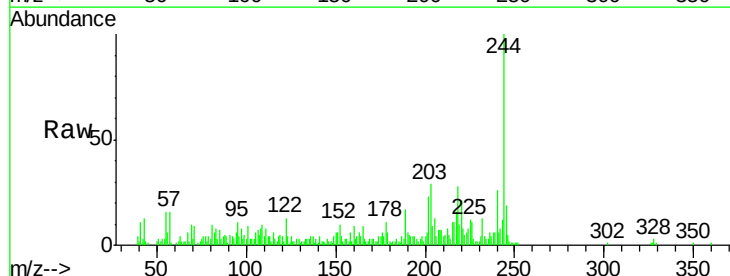
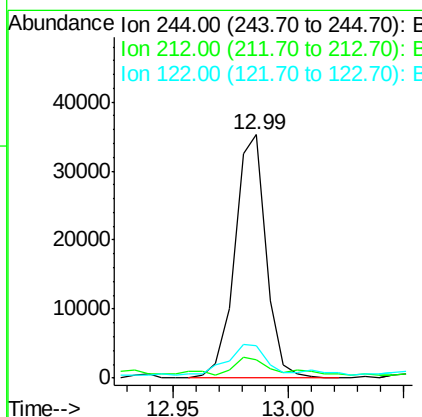
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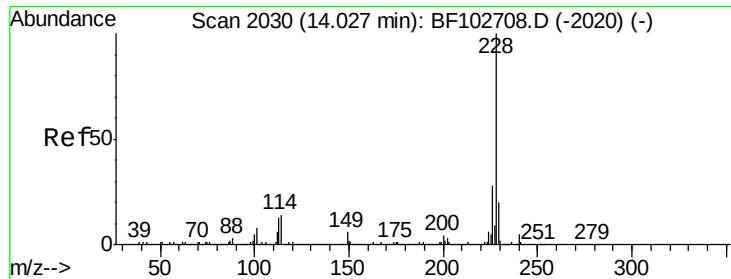
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#78
 Terphenyl-d14
 Concen: 3.349 ng
 RT: 12.99 min Scan# 1853
 Delta R.T. -0.01 min
 Lab File: BF103104.D
 Acq: 20 Feb 2018 1:48

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.8	5.4	8.0
122	13.4	11.0	16.4





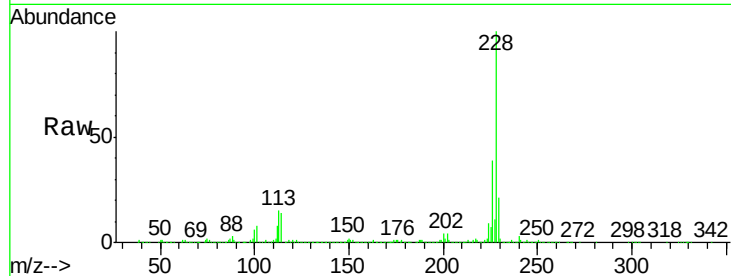
#80
Benzo(a)anthracene
Concen: 88.426 ng m
RT: 14.04 min Scan# 2033
Delta R.T. -0.00 min
Lab File: BF103104.D
Acq: 20 Feb 2018 1:48

Instrument :
BNA_F
ClientSampleId :
A2_SB68_S_8

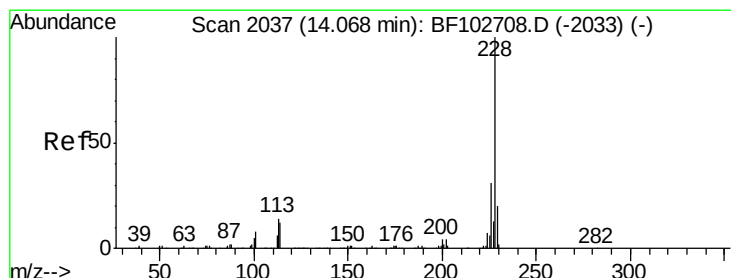
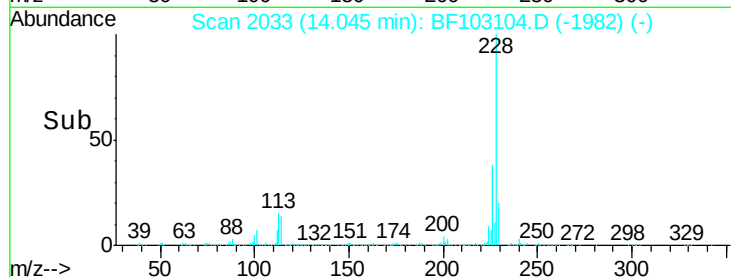
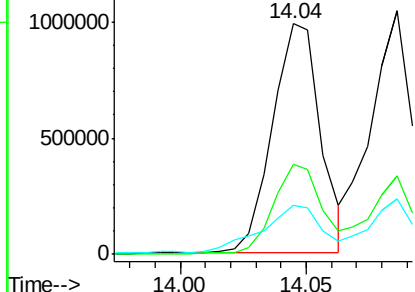
Tgt Ion:228 Resp: 1312743
Ion Ratio Lower Upper
228 100
226 38.8 22.6 33.8#
229 21.0 15.8 23.6

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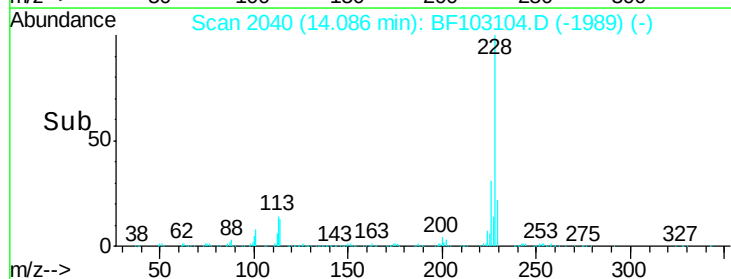
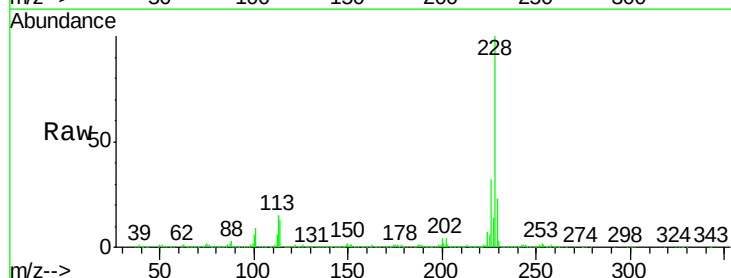
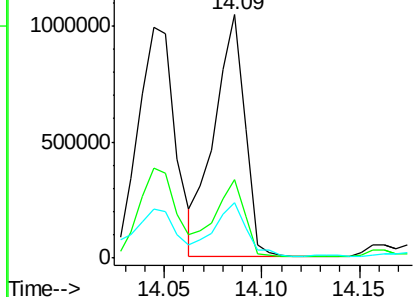
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

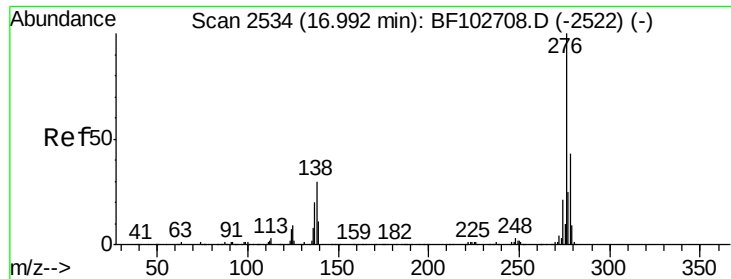


#82
Chrysene
Concen: 76.066 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.00 min
Lab File: BF103104.D
Acq: 20 Feb 2018 1:48

Tgt Ion:228 Resp: 1138344
Ion Ratio Lower Upper
228 100
226 32.0 25.0 37.6
229 22.9 16.2 24.4

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





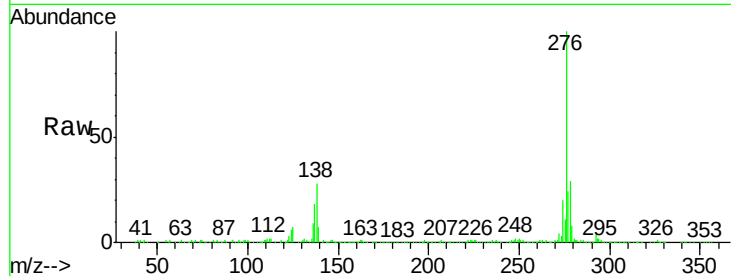
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 44.640 ng
 RT: 17.07 min Scan# 2547
 Delta R.T. 0.01 min
 Lab File: BF103104.D
 Acq: 20 Feb 2018 1:48

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB68_S_8

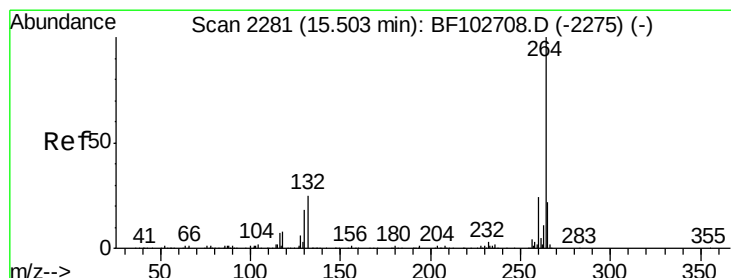
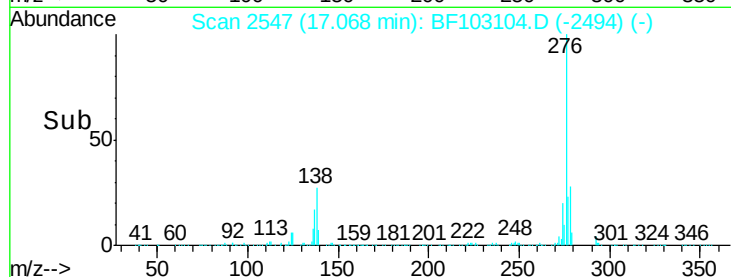
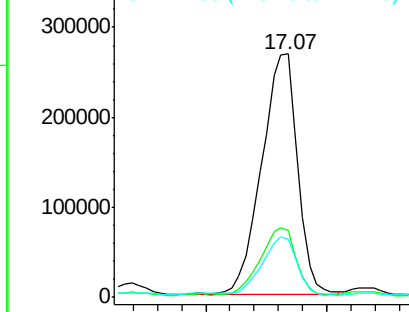
Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.6	25.0	37.6
277	23.5	20.1	30.1

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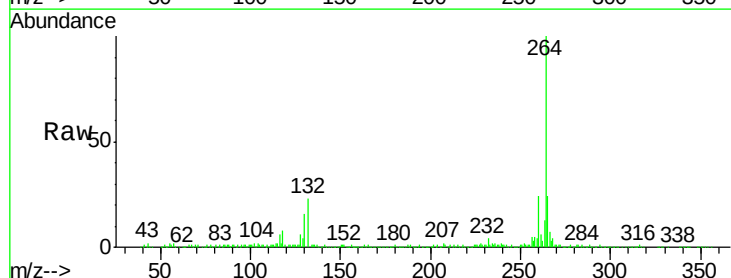


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

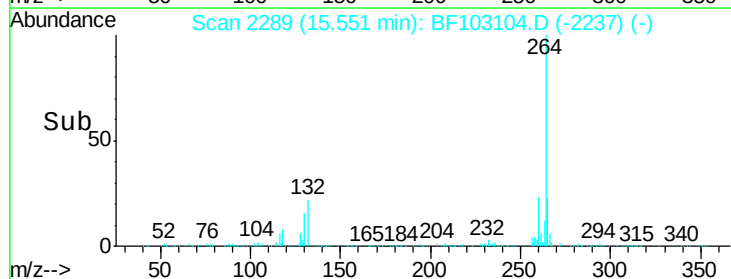
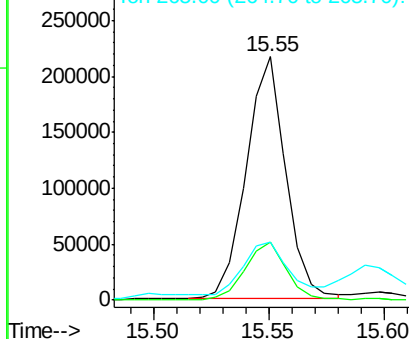


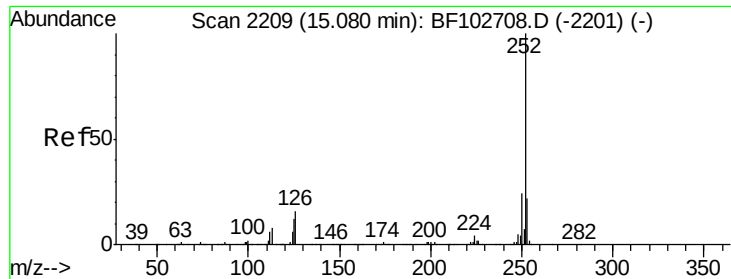
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.55 min Scan# 2289
 Delta R.T. 0.01 min
 Lab File: BF103104.D
 Acq: 20 Feb 2018 1:48

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	23.8	17.5	26.3



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





#87

Benzo(b)fluoranthene

Concen: 84.184 ng m

RT: 15.12 min Scan# 2216

Delta R.T. 0.01 min

Lab File: BF103104.D

Acq: 20 Feb 2018 1:48

Instrument :

BNA_F

ClientSampleId :

A2_SB68_S_8

Tgt Ion:252 Resp: 1407802

Ion Ratio Lower Upper

252 100

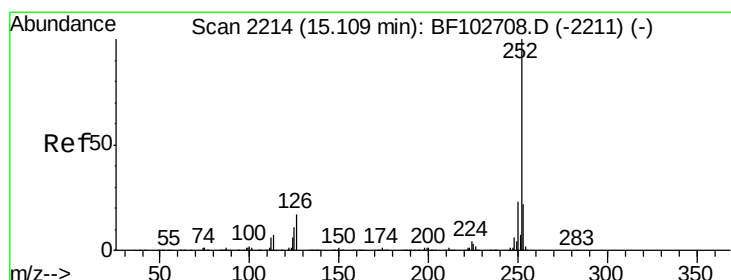
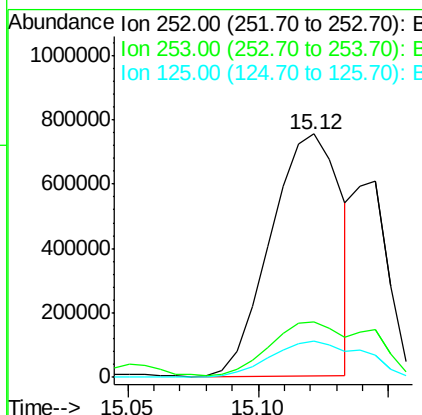
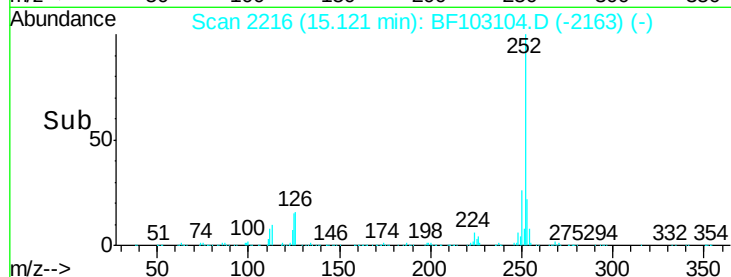
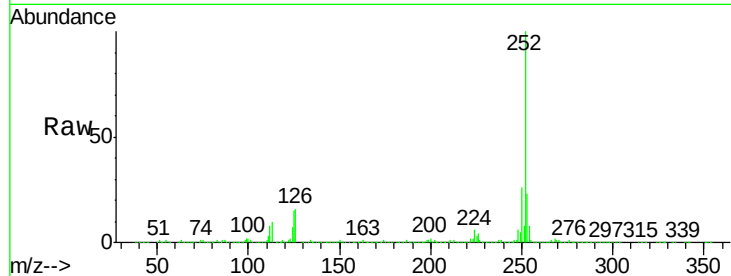
253 22.6 17.0 25.6

125 14.8 9.0 13.6#

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#88

Benzo(k)fluoranthene

Concen: 34.402 ng m

RT: 15.14 min Scan# 2220

Delta R.T. 0.01 min

Lab File: BF103104.D

Acq: 20 Feb 2018 1:48

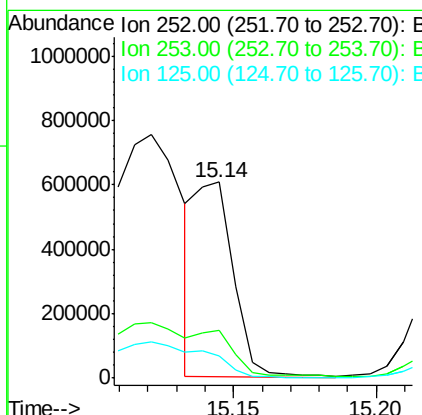
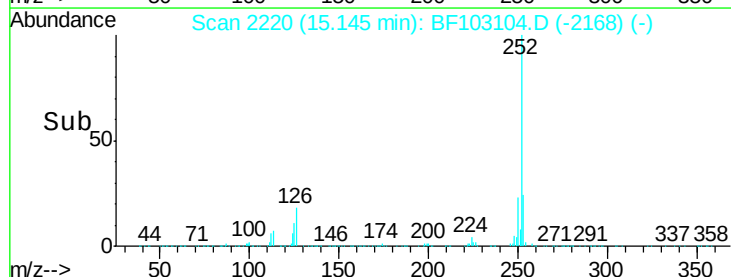
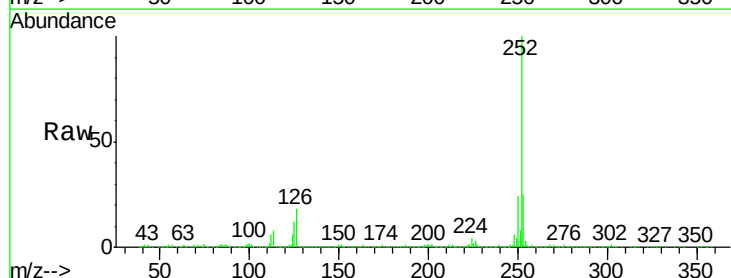
Tgt Ion:252 Resp: 549702

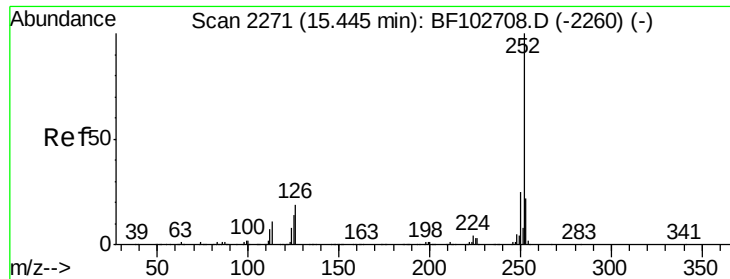
Ion Ratio Lower Upper

252 100

253 24.5 17.9 26.9

125 11.6 10.2 15.2





#89

Benzo(a)pyrene

Concen: 73.146 ng

RT: 15.49 min Scan# 2279

Delta R.T. 0.01 min

Lab File: BF103104.D

Acq: 20 Feb 2018 1:48

Instrument :

BNA_F

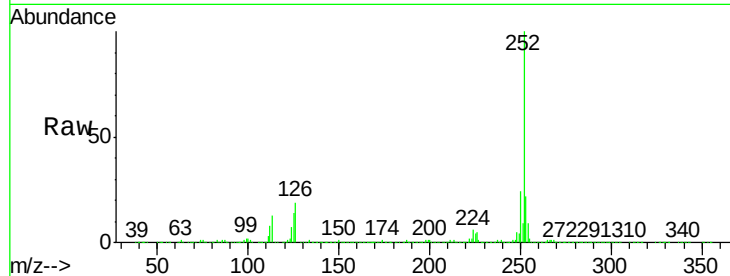
ClientSampleId :

A2_SB68_S_8

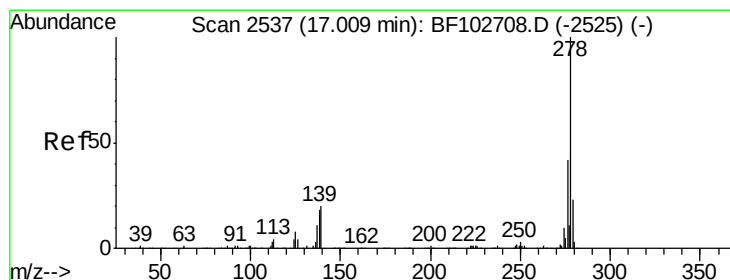
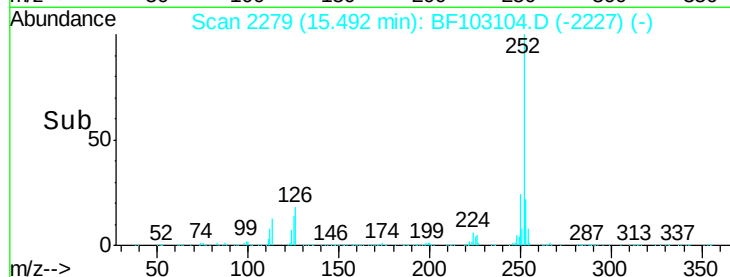
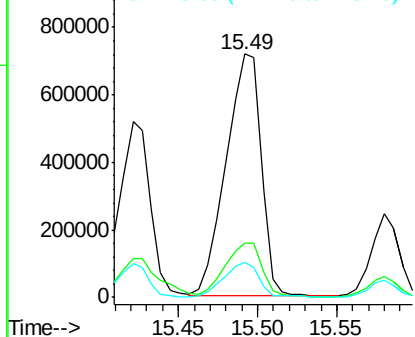
Tgt Ion:	252	Resp:	1101046
Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	14.3	9.8	14.6

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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



#90

Dibenzo(a,h)anthracene

Concen: 13.003 ng m

RT: 17.07 min Scan# 2547

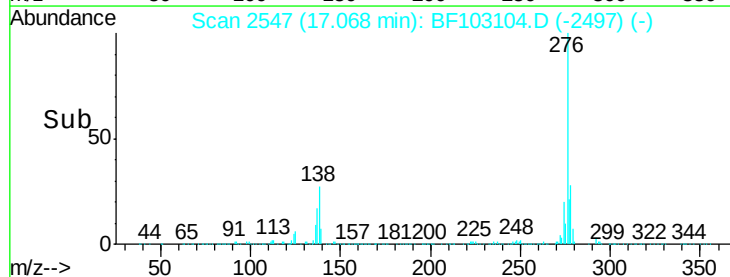
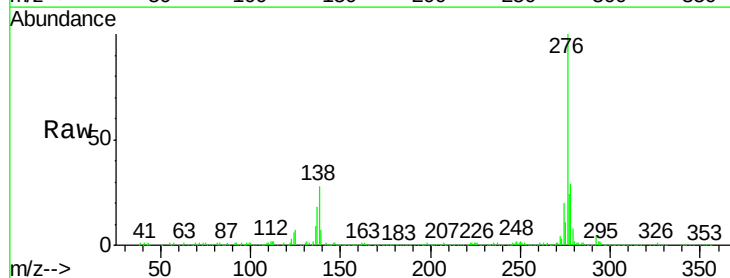
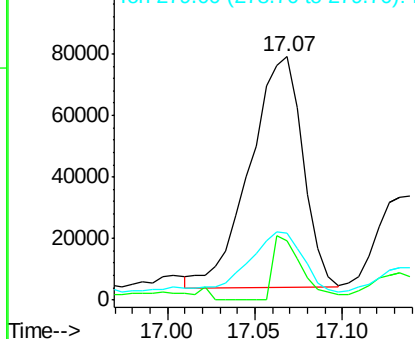
Delta R.T. -0.01 min

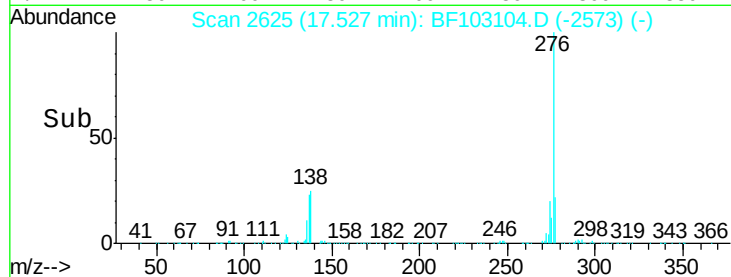
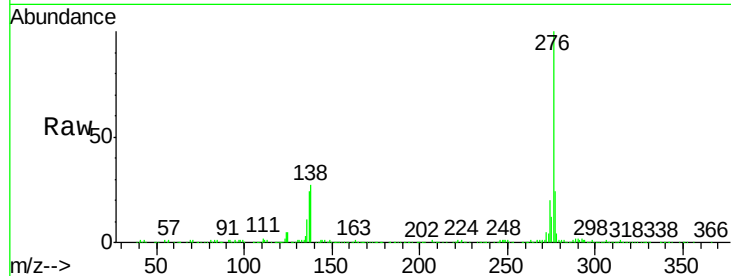
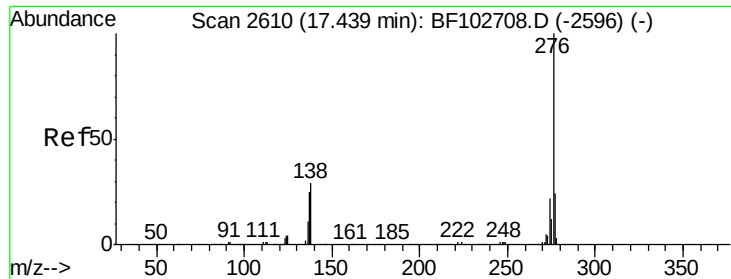
Lab File: BF103104.D

Acq: 20 Feb 2018 1:48

Tgt Ion:	278	Resp:	158871
Ion	Ratio	Lower	Upper
278	100		
139	24.2	15.9	23.9#
279	27.4	19.0	28.4

Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 42.066 ng

RT: 17.53 min Scan# 2625

Delta R.T. 0.01 min

Lab File: BF103104.D

Acq: 20 Feb 2018 1:48

Instrument :

BNA_F

ClientSampleId :

A2_SB68_S_8

Tgt Ion:	276	Resp:	503056
Ion Ratio	Lower	Upper	
276	100		
277	23.8	17.9	26.9
138	27.2	21.8	32.8

Manual Integrations
APPROVED

Sohil
2/20/2018 10:21:09 AM

