

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032018\
 Data File : BF103817.D
 Acq On : 20 Mar 2018 21:55
 Operator : JU/SJ
 Sample : J1960-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BB

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Quant Time: Mar 21 12:50:18 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 15 18:31:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	168572	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	444097	20.00	ng	0.02
38) Acenaphthene-d10	10.02	164	244398	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	144144	20.00	ng	0.02
75) Chrysene-d12	14.21	240	62449m	20.00	ng	0.06
86) Perylene-d12	15.80	264	163253	20.00	ng	0.12
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	727812	65.67	ng	0.14
7) Phenol-d6	6.60	99	545516	40.23	ng	0.01
23) Nitrobenzene-d5	7.54	82	949637	149.12	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	273712	130.26	ng	0.02
44) 2-Fluorobiphenyl	9.33	172	1433836	93.58	ng	0.00
78) Terphenyl-d14	13.13	244	462784	172.01	ng	0.04
Target Compounds						
10) Phenol	6.61	94	138168	9.590	ng	96
13) 1,4-Dichlorobenzene	6.99	146	27373	2.060	ng	95
15) Benzyl Alcohol	7.11	79	45508	4.332	ng	96
20) 3+4-Methylphenols	7.37	107	174025	13.263	ng	96
24) Nitrobenzene	7.55	77	28478	3.809	ng	95
30) 1,2,4-Trichlorobenzene	8.22	180	252461	37.883	ng	99
31) Naphthalene	8.30	128	9400699	419.048	ng	97
32) Benzoic acid	8.13	122	757487	144.812	ng	98
37) 2-Methylnaphthalene	8.97	142	1243861	87.434	ng	97
45) 1,1'-Biphenyl	9.43	154	198894	9.760	ng	98
49) Dimethylphthalate	9.72	163	74284	3.984	ng	# 87
51) Acenaphthene	10.05	154	250071	16.779	ng	99
54) Dibenzofuran	10.22	168	276570	12.993	ng	97
57) Fluorene	10.57	166	253537	15.350	ng	98
69) Pentachlorophenol	11.32	266	17922	18.455	ng	93
70) Phenanthrene	11.54	178	186750	23.684	ng	98
71) Anthracene	11.59	178	70596m	8.815	ng	
72) Carbazole	11.75	167	41221	5.296	ng	# 74

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

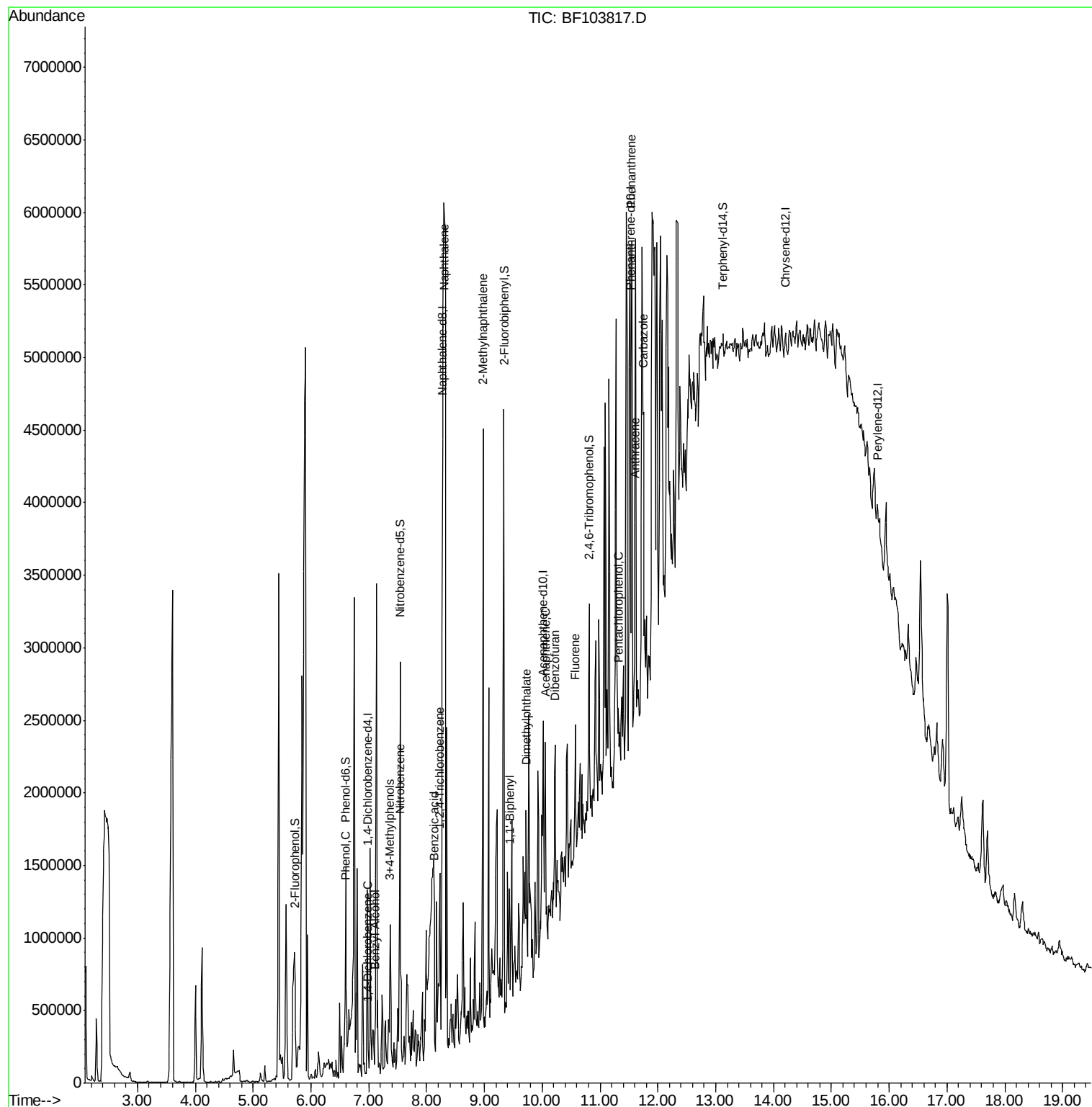
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF032018\
Data File : BF103817.D
Acq On : 20 Mar 2018 21:55
Operator : JU/SJ
Sample : J1960-01
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ALS Vial : 20 Sample Multiplier: 1

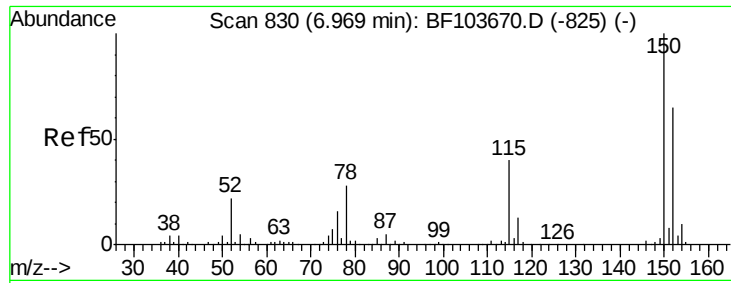
Instrument :
BNA_F
ClientSampled :
BB

Quant Time: Mar 21 12:50:18 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 15 18:31:53 2018
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#1

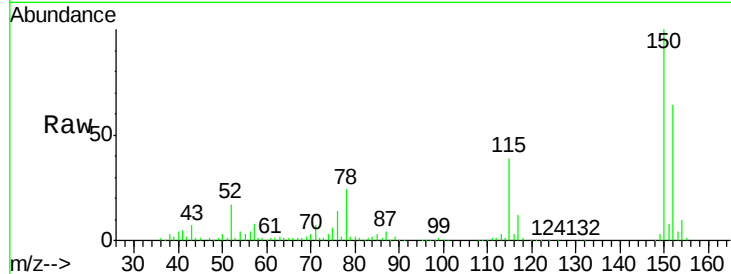
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. 0.01 min
Lab File: BF103817.D
Acq: 20 Mar 2018 21:55

Instrument :
BNA_F
ClientSampled :
BB

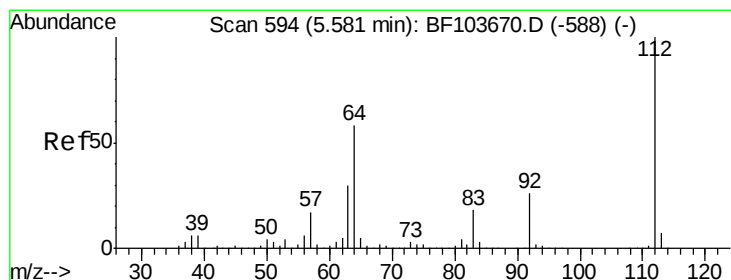
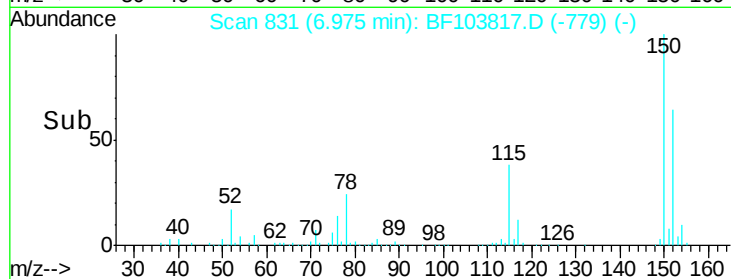
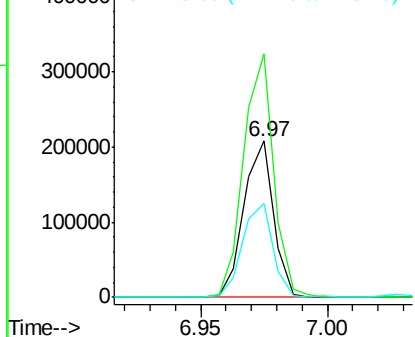
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	124.6	186.8
115	60.1	50.1	75.1

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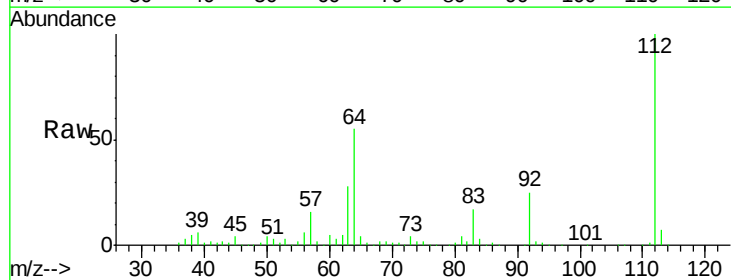
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



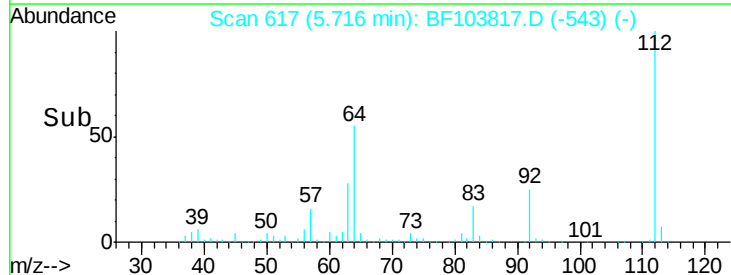
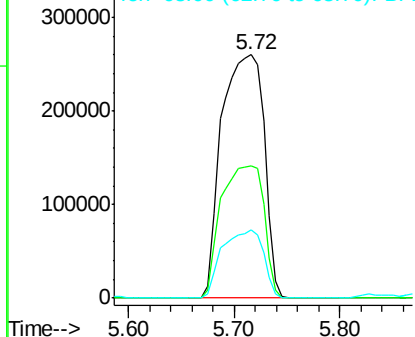
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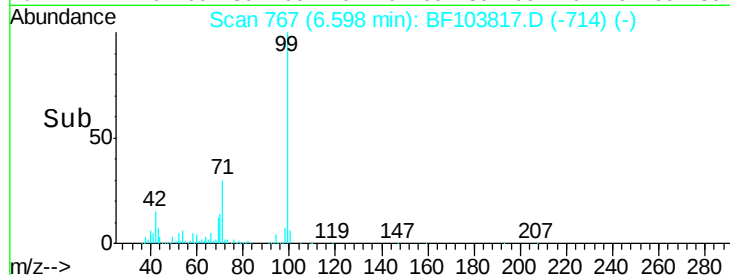
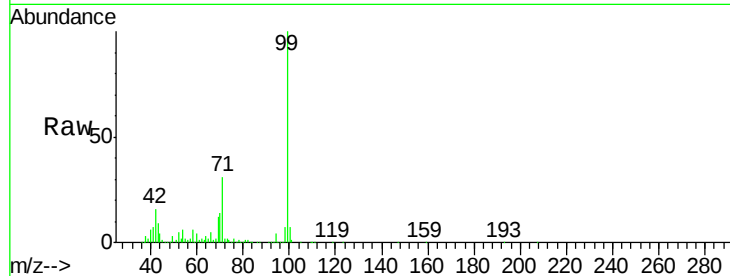
2-Fluorophenol
Concen: 65.669 ng
RT: 5.72 min Scan# 617
Delta R.T. 0.14 min
Lab File: BF103817.D
Acq: 20 Mar 2018 21:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.5	47.9	71.9
63	27.8	23.7	35.5



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





#7

Phenol-d6

Concen: 40.232 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.01 min

Lab File: BF103817.D

Acq: 20 Mar 2018 21:55

Tot Ion:	99	Resp:	545516
Ion Ratio	Lower	Upper	
99	100		
42	15.8	14.5	21.7
71	31.0	25.4	38.0

Instrument :

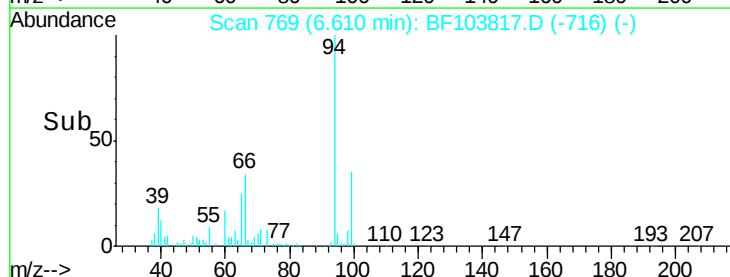
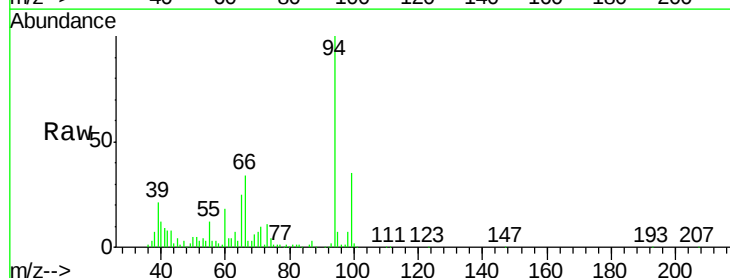
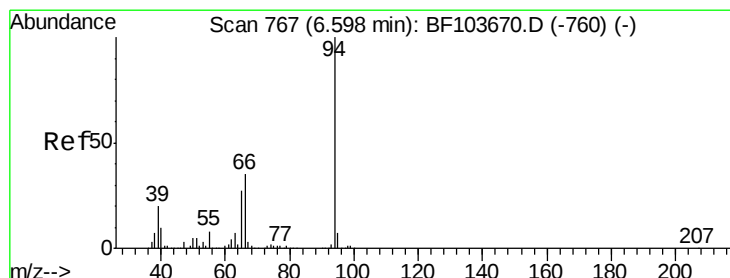
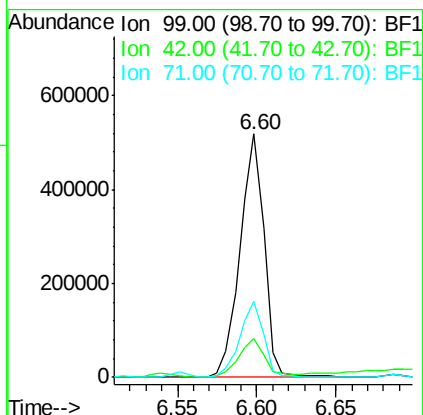
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ClientSampleId :

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#10

Phenol

Concen: 9.590 ng

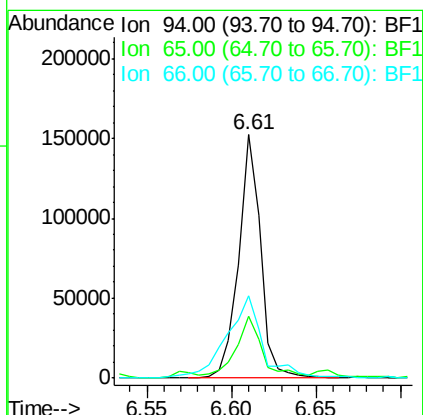
RT: 6.61 min Scan# 769

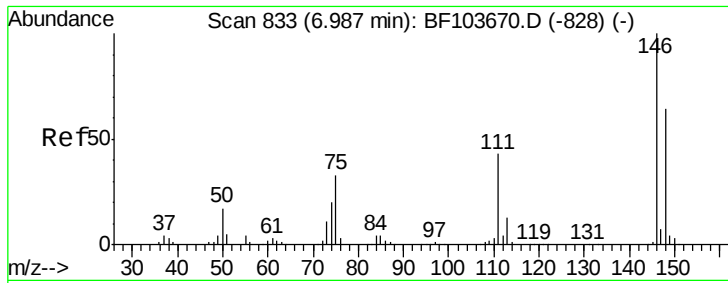
Delta R.T. 0.01 min

Lab File: BF103817.D

Acq: 20 Mar 2018 21:55

Tgt Ion:	94	Resp:	138168
Ion Ratio	Lower	Upper	
94	100		
65	25.4	7.9	47.9
66	34.0	16.2	56.2





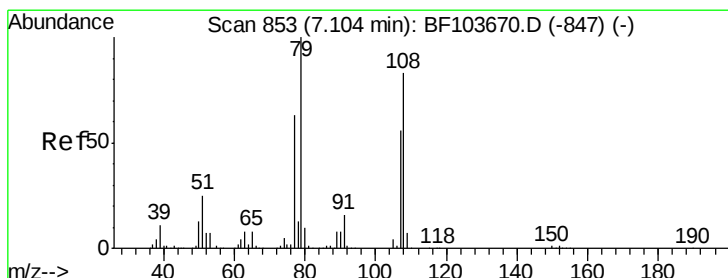
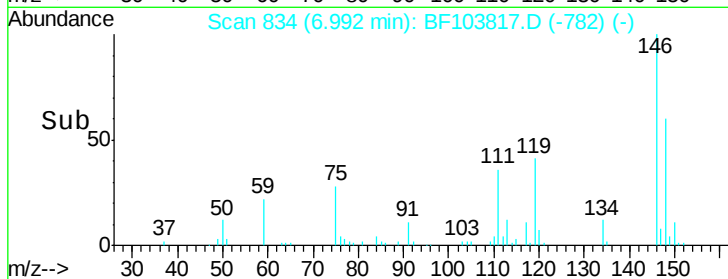
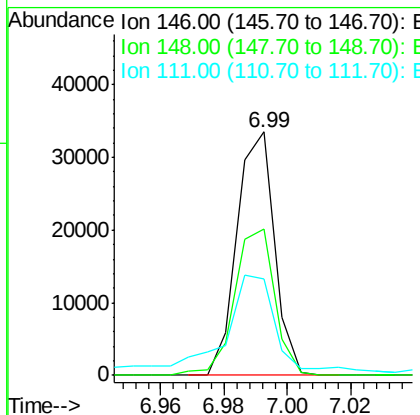
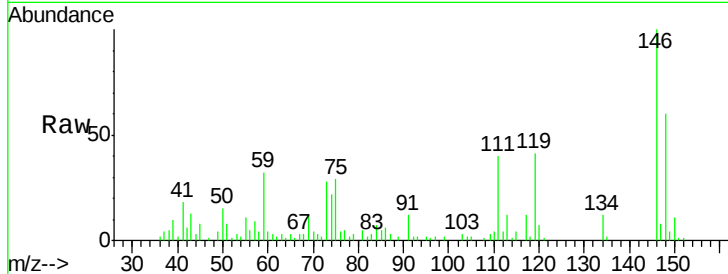
#13
 1,4-Dichlorobenzene
 Concen: 2.060 ng
 RT: 6.99 min Scan# 834
 Delta R.T. 0.01 min
 Lab File: BF103817.D
 Acq: 20 Mar 2018 21:55

Instrument :
 BNA_F
 ClientSampled :
 BB

Tot Ion	Ratio	Lower	Upper
146	100		
148	60.2	50.8	76.2
111	39.5	34.2	51.2

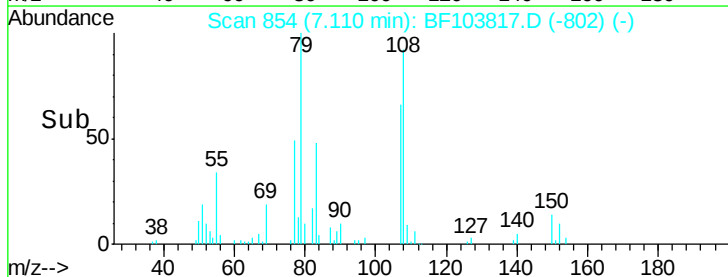
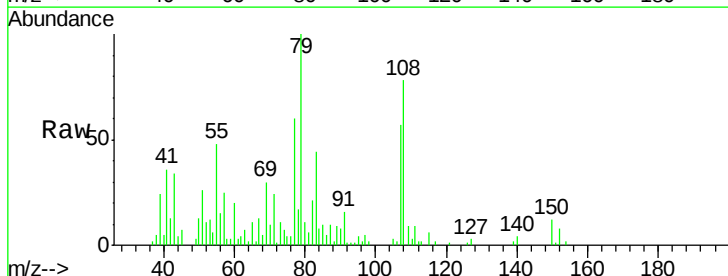
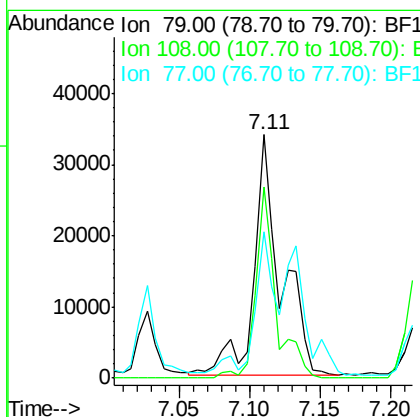
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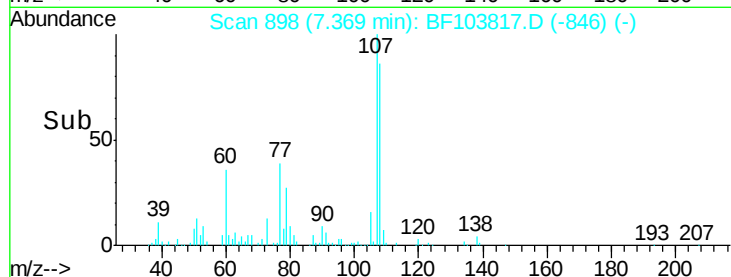
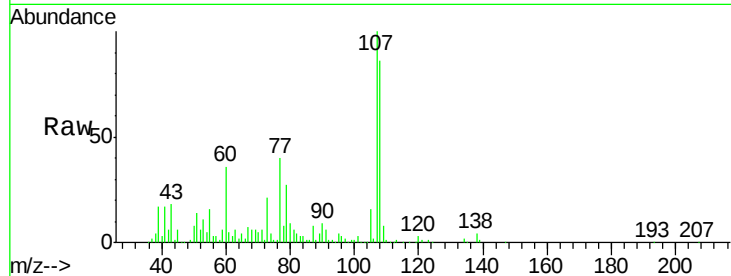
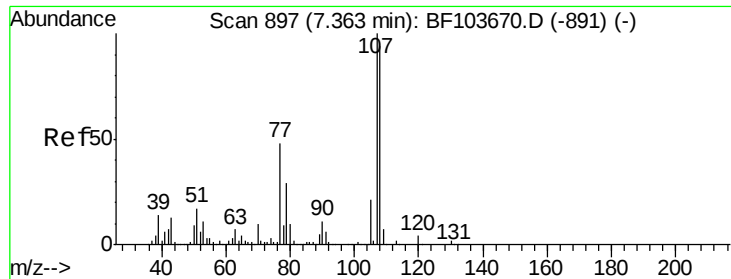
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#15
 Benzyl Alcohol
 Concen: 4.332 ng
 RT: 7.11 min Scan# 854
 Delta R.T. 0.01 min
 Lab File: BF103817.D
 Acq: 20 Mar 2018 21:55

Tgt Ion	Ratio	Lower	Upper
79	100		
108	78.3	65.1	97.7
77	60.3	50.6	75.8





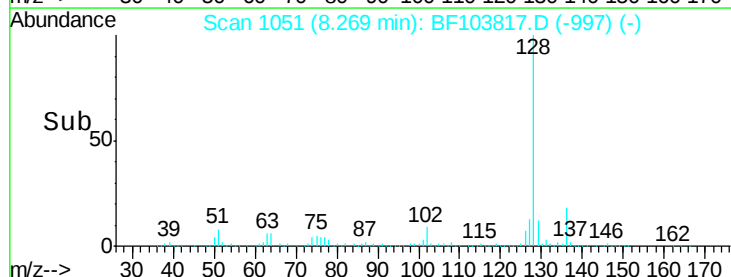
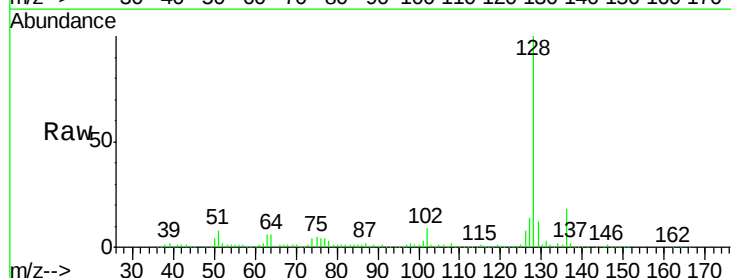
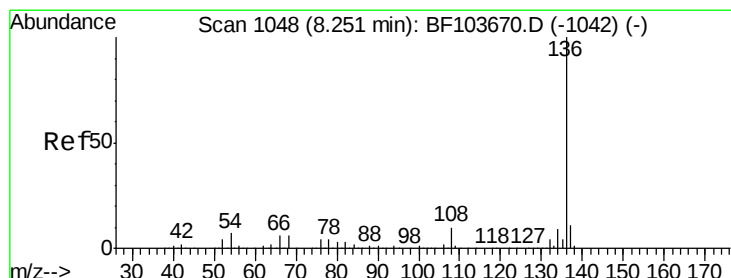
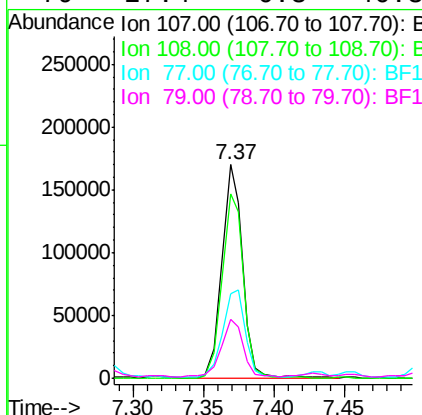
#20
3+4-Methylphenols
Concen: 13.263 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.01 min
Lab File: BF103817.D
Acq: 20 Mar 2018 21:55

Tot Ion	Ratio	Resp	Lower	Upper
107	100	174025		
108	86.3	68.2	108.2	
77	39.8	26.7	66.7	
79	27.4	6.3	46.3	

Instrument :
BNA_F
ClientSampled :
BB

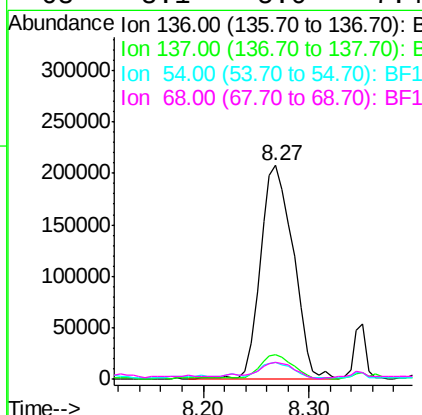
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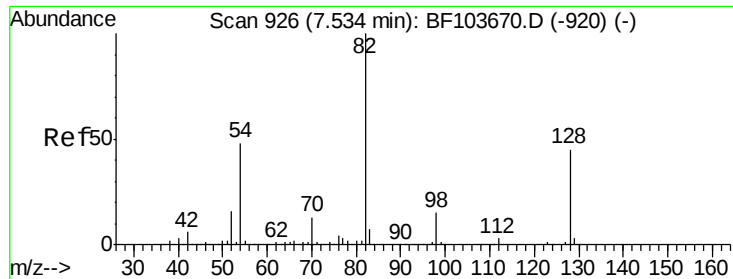
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.27 min Scan# 1051
Delta R.T. 0.02 min
Lab File: BF103817.D
Acq: 20 Mar 2018 21:55

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	444097		
137	11.3	8.9	13.3	
54	7.7	6.6	9.8	
68	8.1	5.0	7.4#	





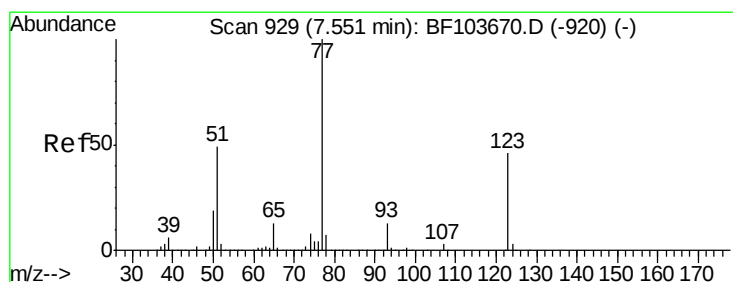
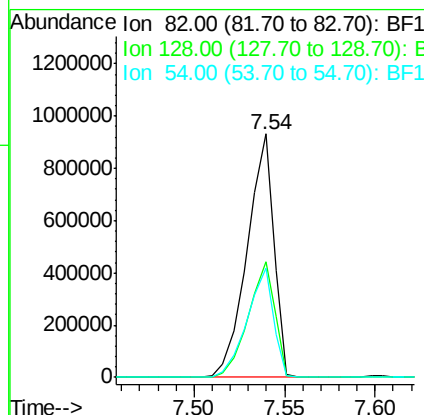
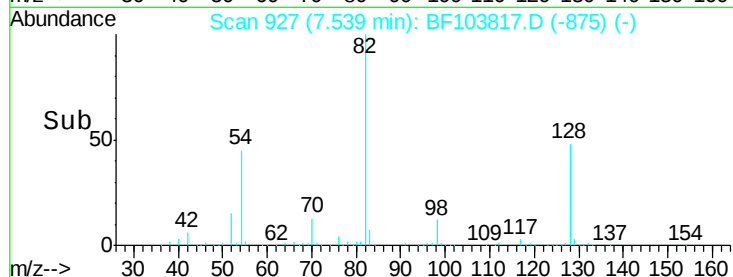
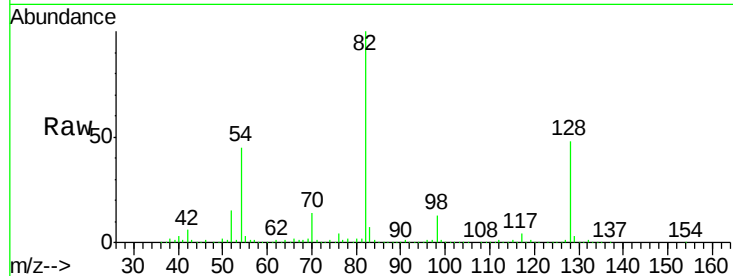
#23
Nitrobenzene-d5
Concen: 149.120 ng
RT: 7.54 min Scan# 927
Delta R.T. 0.01 min
Lab File: BF103817.D
Acq: 20 Mar 2018 21:55

Instrument :
BNA_F
ClientSampled :
BB

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.7	36.1	54.1
54	44.9	41.4	62.2

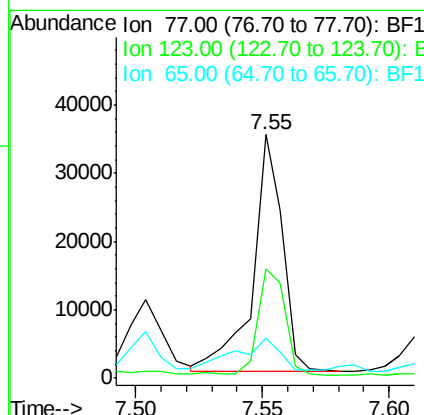
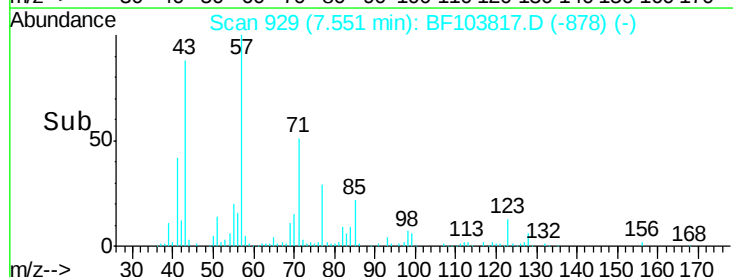
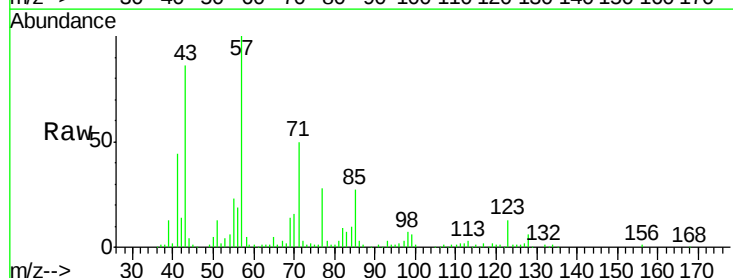
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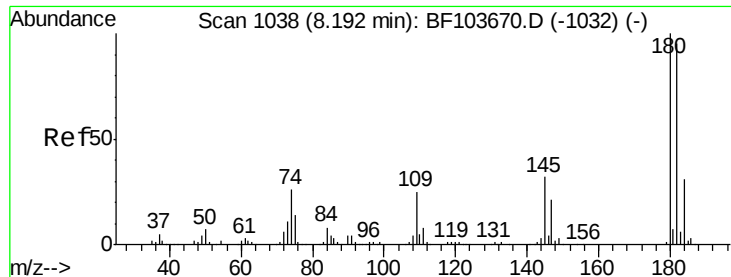
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#24
Nitrobenzene
Concen: 3.809 ng
RT: 7.55 min Scan# 929
Delta R.T. -0.00 min
Lab File: BF103817.D
Acq: 20 Mar 2018 21:55

Tgt Ion	Ratio	Lower	Upper
77	100		
123	44.6	37.9	56.9
65	16.2	11.0	16.4





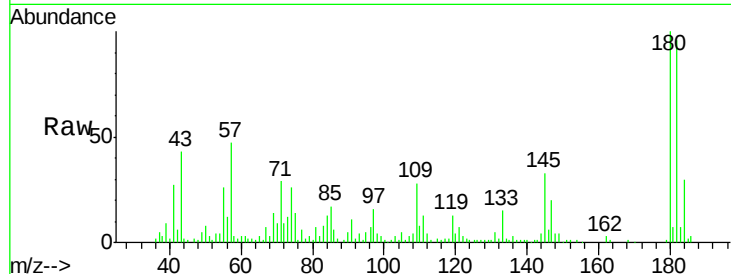
#30
1,2,4-Trichlorobenzene
Concen: 37.883 ng
RT: 8.22 min Scan# 1043
Delta R.T. 0.03 min
Lab File: BF103817.D
Acq: 20 Mar 2018 21:55

Instrument :
BNA_F
ClientSampleId :
BB

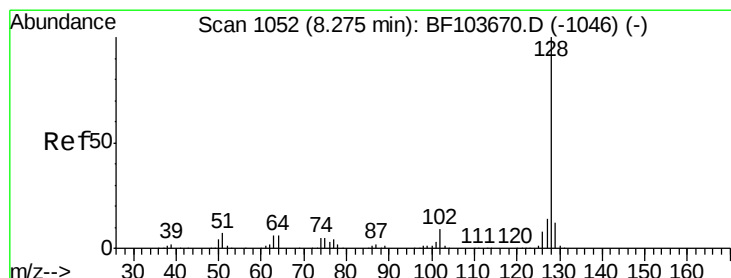
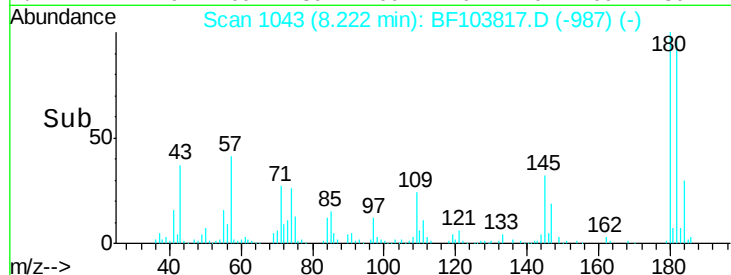
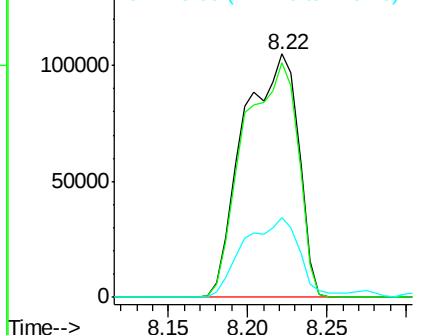
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.8	115.2
145	32.6	26.5	39.7

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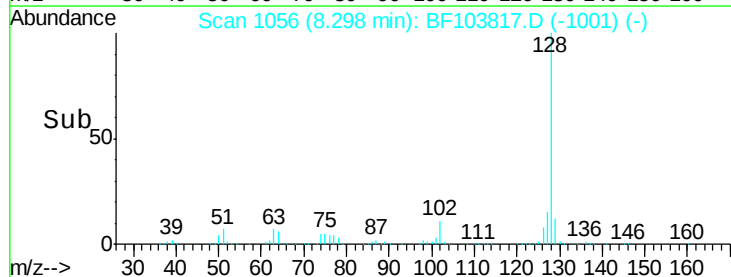
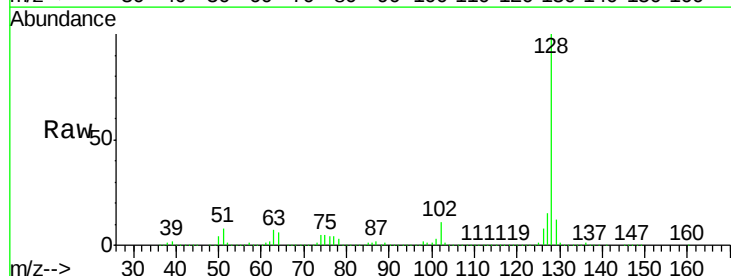
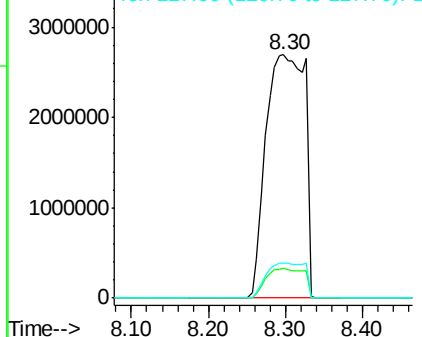
Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E

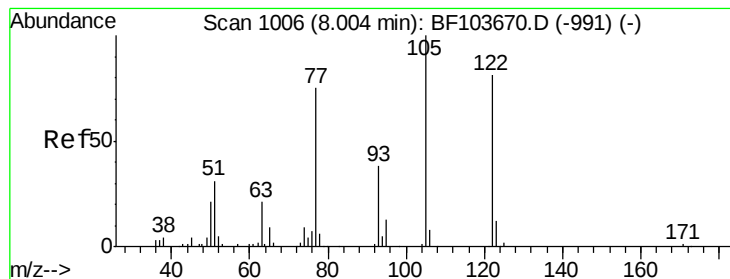


#31
Naphthalene
Concen: 419.048 ng
RT: 8.30 min Scan# 1056
Delta R.T. 0.02 min
Lab File: BF103817.D
Acq: 20 Mar 2018 21:55

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.2	8.8	13.2
127	14.6	10.9	16.3

Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 144.812 ng

RT: 8.13 min Scan# 1028

Delta R.T. 0.13 min

Lab File: BF103817.D

Acq: 20 Mar 2018 21:55

Instrument :

BNA_F

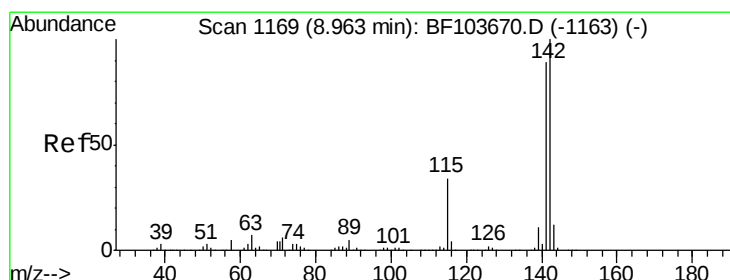
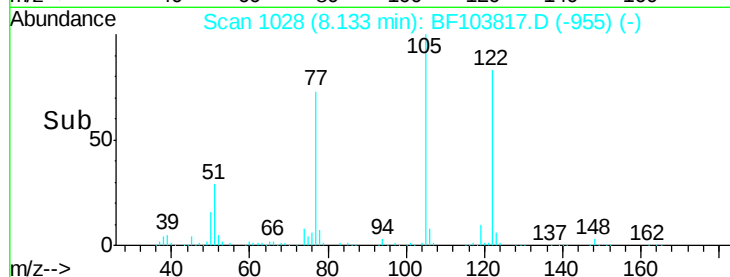
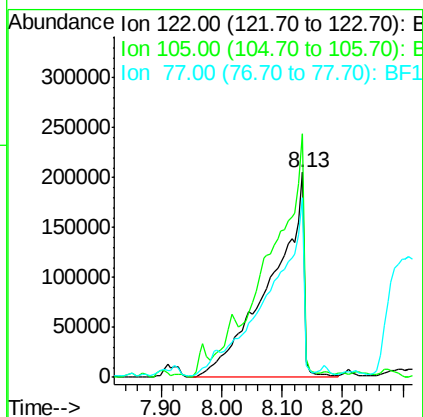
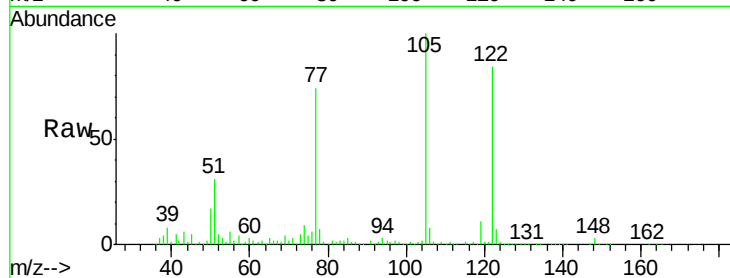
ClientSampled :

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Tot Ion:	122	Resp:	757487
Ion Ratio	Lower	Upper	
122	100		
105	118.9	101.1	141.1
77	87.7	70.7	110.7

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#37

2-Methylnaphthalene

Concen: 87.434 ng

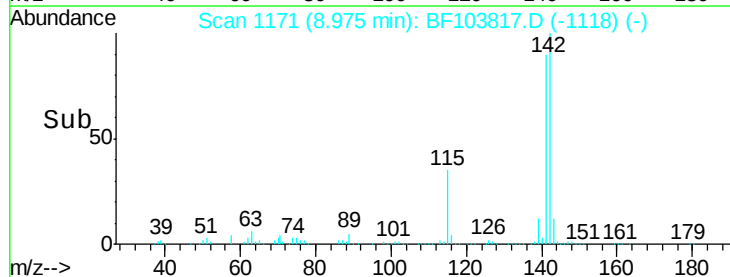
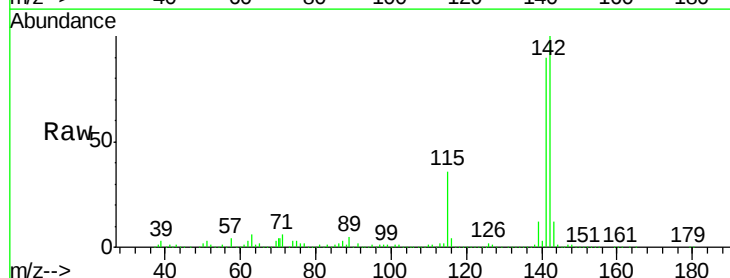
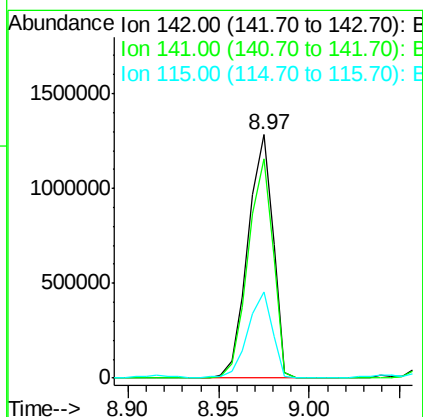
RT: 8.97 min Scan# 1171

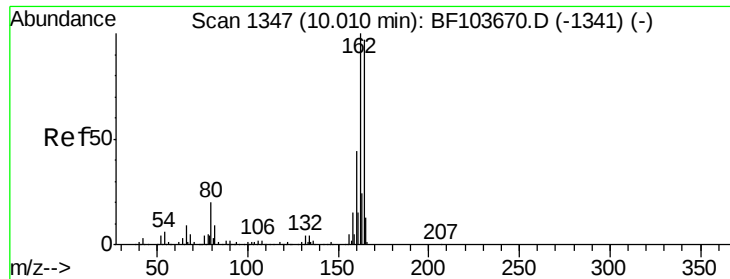
Delta R.T. 0.01 min

Lab File: BF103817.D

Acq: 20 Mar 2018 21:55

Tgt Ion:	142	Resp:	1243861
Ion Ratio	Lower	Upper	
142	100		
141	90.0	70.8	106.2
115	35.6	26.1	39.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1348

Delta R.T. 0.01 min

Lab File: BF103817.D

Acq: 20 Mar 2018 21:55

Instrument :

BNA_F

ClientSampleId :

BB

Tot Ion:164 Resp: 244398

Ion Ratio Lower Upper

164 100

162 103.7 86.1 129.1

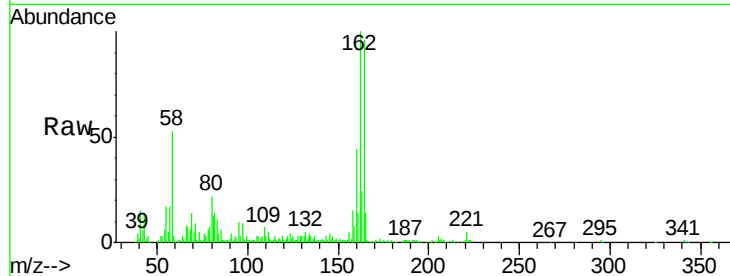
160 46.0 38.3 57.5

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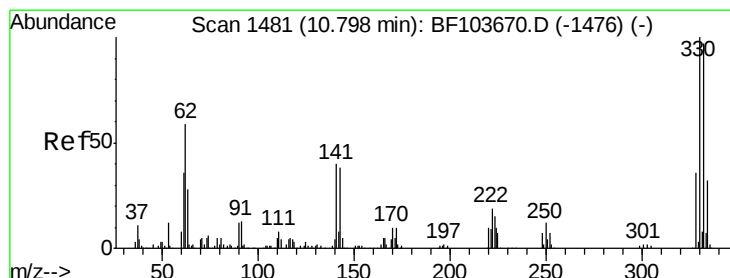
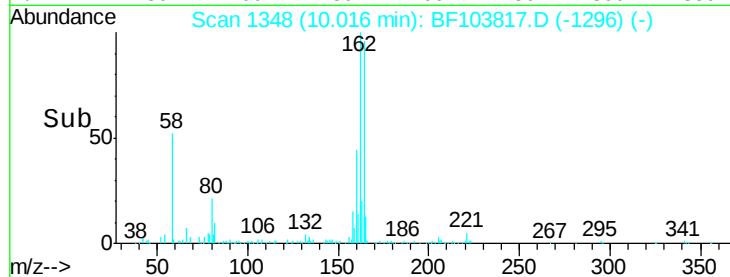
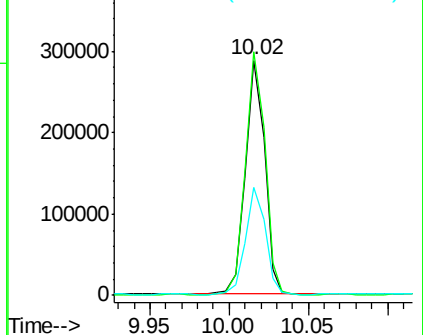
3/22/2018 12:57:49 PM



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: 130.255 ng

RT: 10.82 min Scan# 1484

Delta R.T. 0.02 min

Lab File: BF103817.D

Acq: 20 Mar 2018 21:55

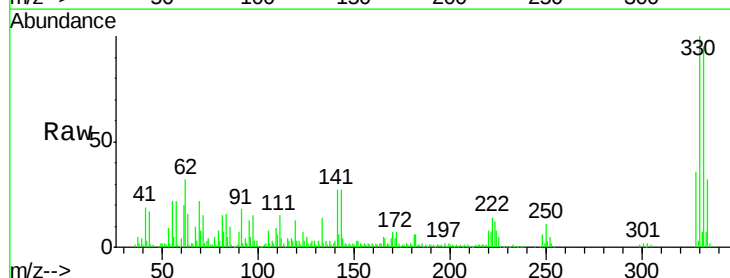
Tgt Ion:330 Resp: 273712

Ion Ratio Lower Upper

330 100

332 95.5 77.0 115.6

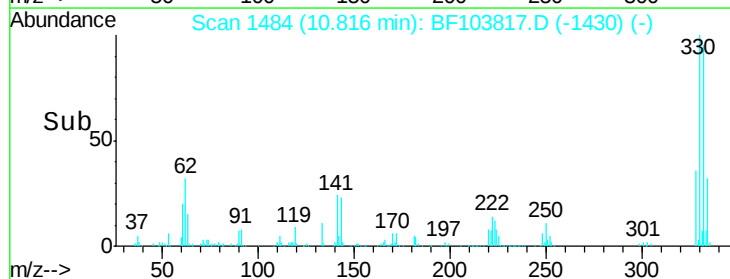
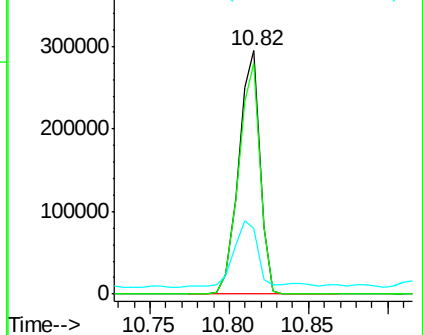
141 30.5 29.9 44.9

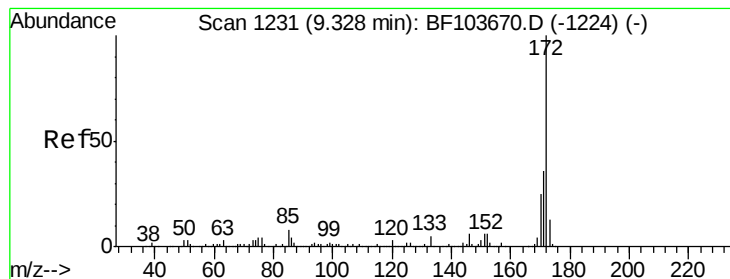


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 93.584 ng

RT: 9.33 min Scan# 1232

Delta R.T. 0.01 min

Lab File: BF103817.D

Acq: 20 Mar 2018 21:55

Instrument :

BNA_F

ClientSampleId :

BB

Tot Ion:172 Resp: 1433836

Ion Ratio Lower Upper

172 100

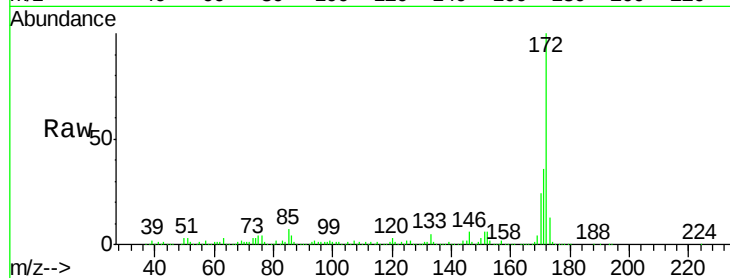
171 36.4 29.7 44.5

170 24.2 19.6 29.4

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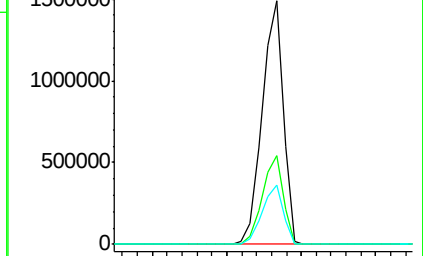
3/22/2018 12:57:49 PM



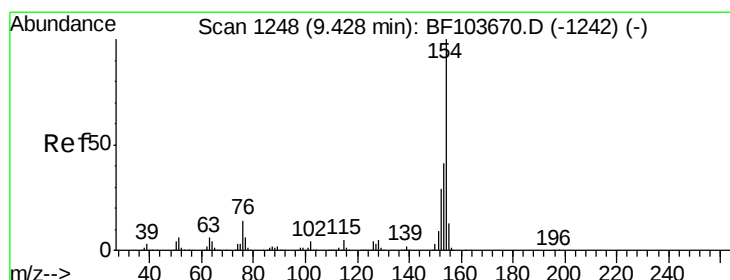
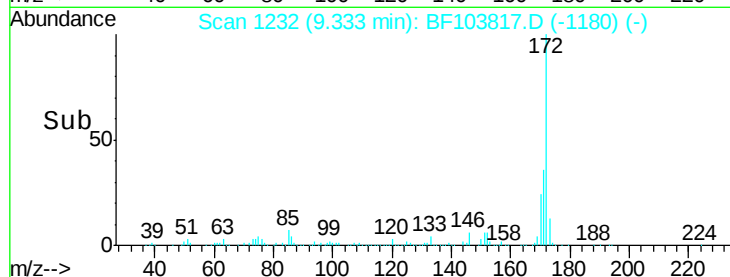
Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



Time-->



#45

1,1'-Biphenyl

Concen: 9.760 ng

RT: 9.43 min Scan# 1249

Delta R.T. 0.01 min

Lab File: BF103817.D

Acq: 20 Mar 2018 21:55

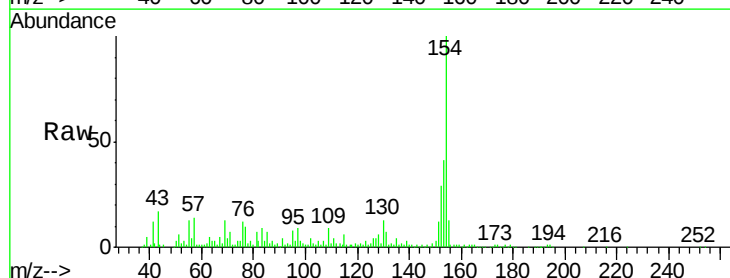
Tgt Ion:154 Resp: 198894

Ion Ratio Lower Upper

154 100

153 40.8 21.3 61.3

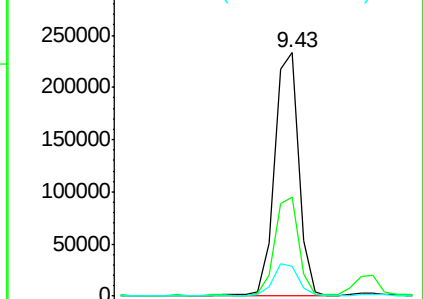
76 12.4 0.0 34.0



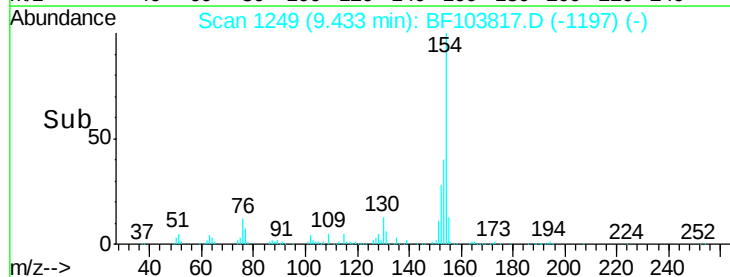
Abundance Ion 154.00 (153.70 to 154.70): E

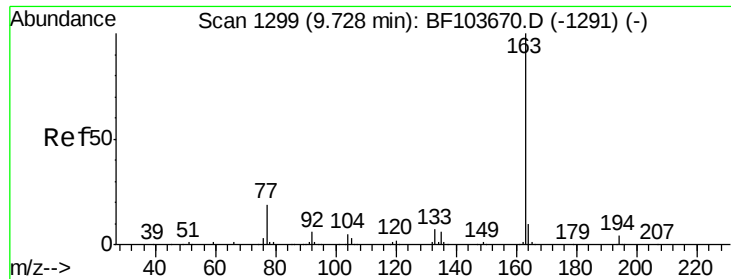
Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1



Time-->





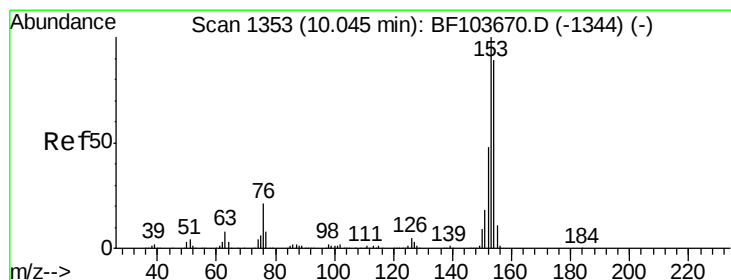
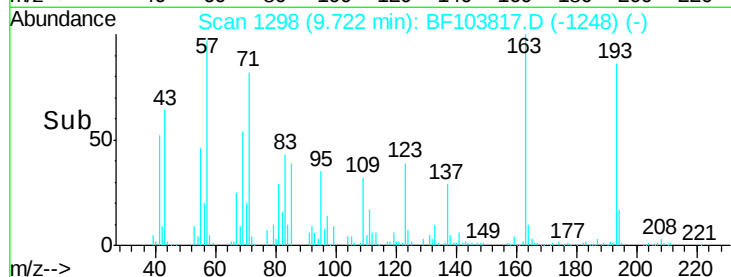
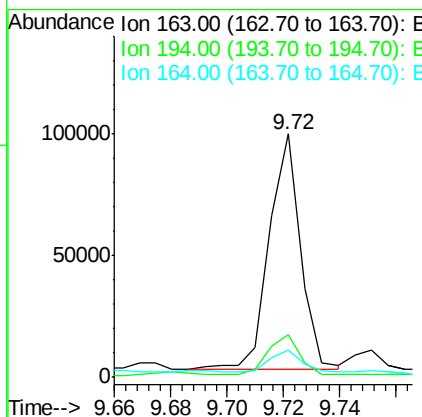
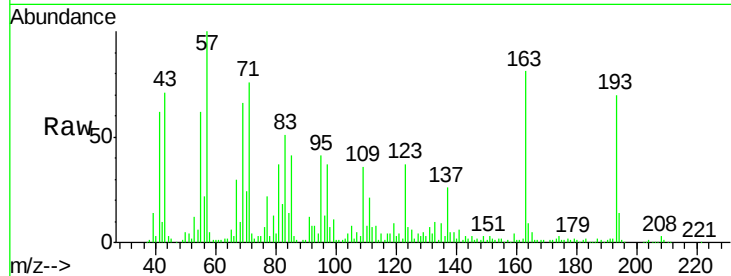
#49
Dimethylphthalate
Concen: 3.984 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF103817.D
Acq: 20 Mar 2018 21:55

Instrument :
BNA_F
ClientSampled :
BB

Tot Ion	Ratio	Lower	Upper
163	100		
194	17.7	2.7	4.1#
164	11.1	8.2	12.2

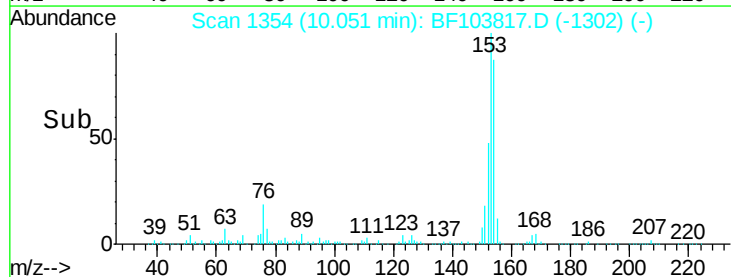
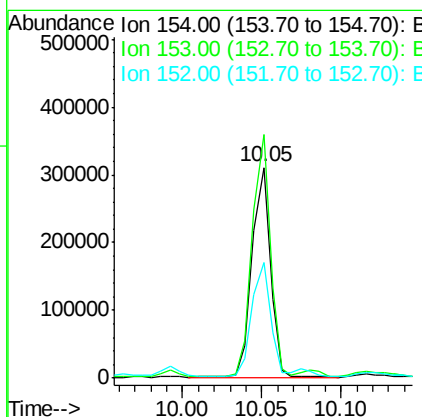
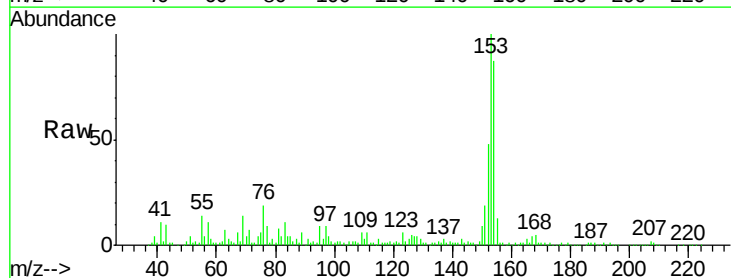
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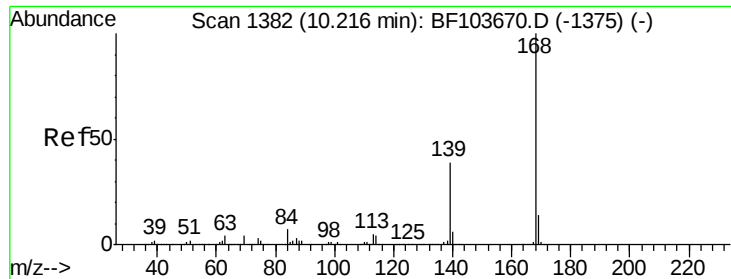
Sohil
3/22/2018 12:57:49 PM



#51
Acenaphthene
Concen: 16.779 ng
RT: 10.05 min Scan# 1354
Delta R.T. 0.01 min
Lab File: BF103817.D
Acq: 20 Mar 2018 21:55

Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.5	91.2	136.8
152	55.1	43.8	65.8





#54

Dibenzofuran

Concen: 12.993 ng

RT: 10.22 min Scan# 1383

Delta R.T. 0.01 min

Lab File: BF103817.D

Acq: 20 Mar 2018 21:55

Instrument :

BNA_F

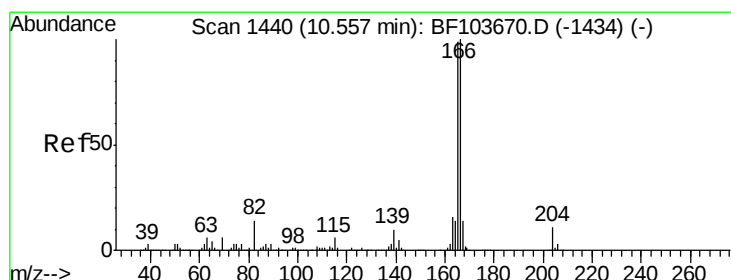
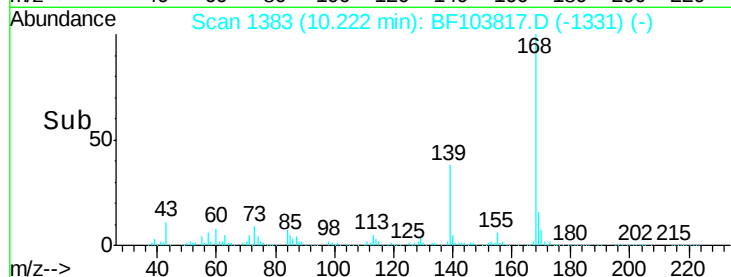
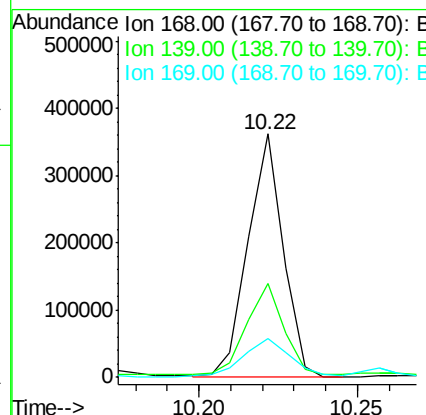
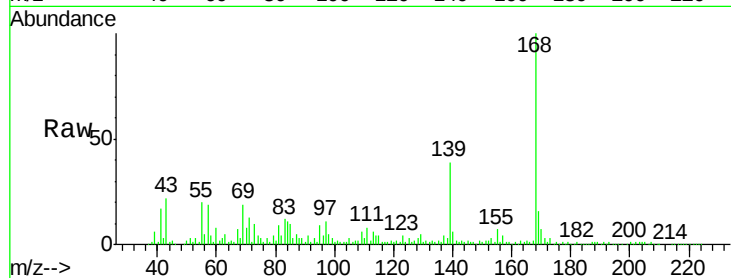
ClientSampled :

BB

Tot Ion:	168	Resp:	276570
Ion Ratio	Lower	Upper	
168	100		
139	38.8	30.1	45.1
169	15.9	10.9	16.3

Manual Integrations
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#57

Fluorene

Concen: 15.350 ng

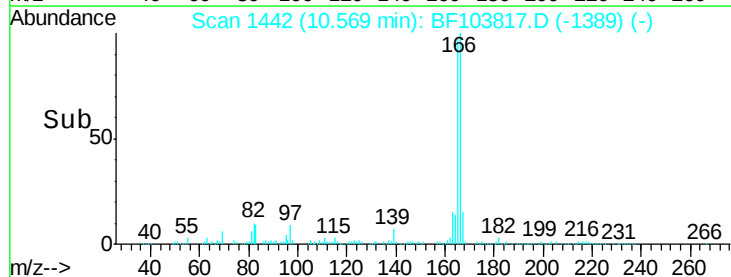
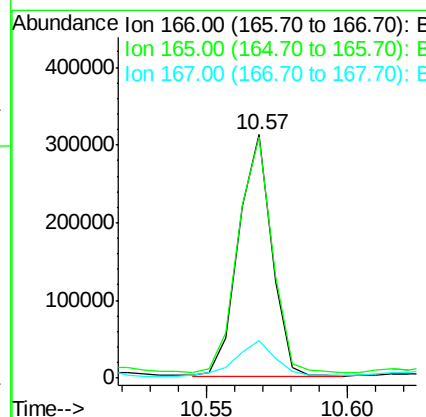
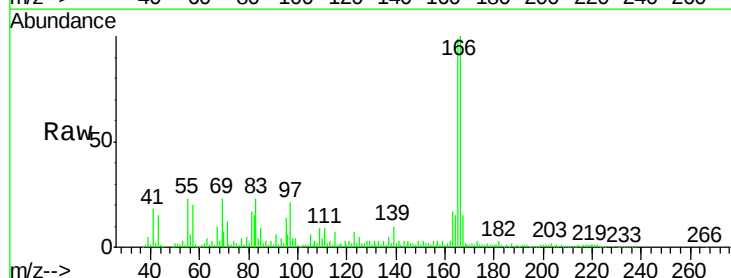
RT: 10.57 min Scan# 1442

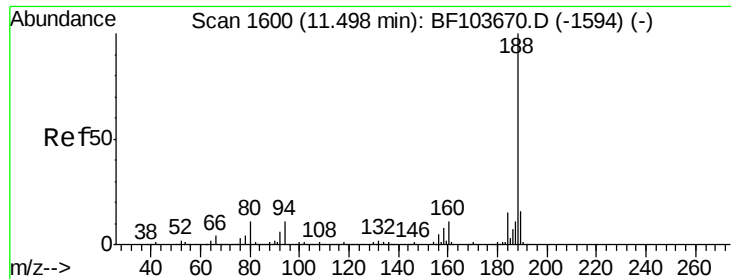
Delta R.T. 0.01 min

Lab File: BF103817.D

Acq: 20 Mar 2018 21:55

Tgt Ion:	166	Resp:	253537
Ion Ratio	Lower	Upper	
166	100		
165	98.8	79.8	119.8
167	15.4	10.6	16.0





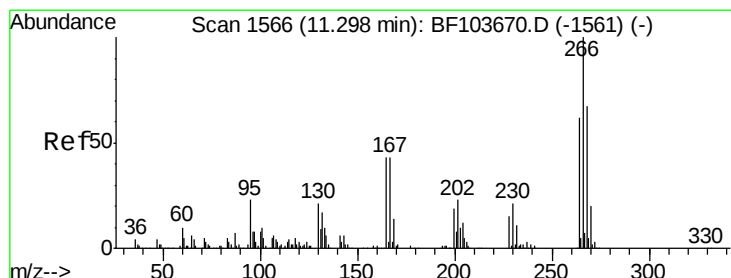
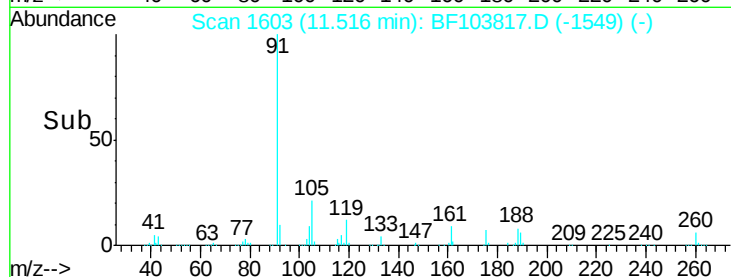
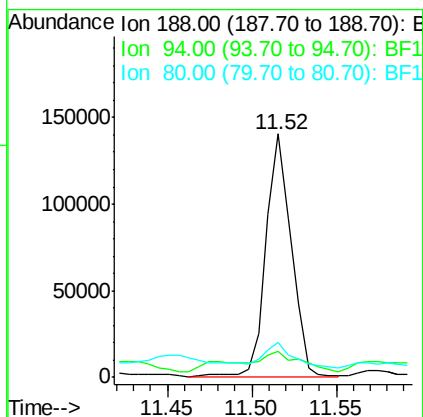
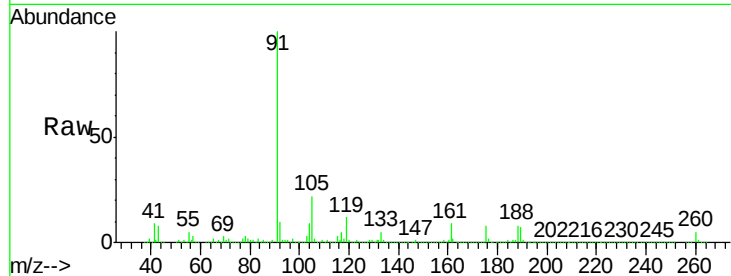
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.52 min Scan# 1603
Delta R.T. 0.02 min
Lab File: BF103817.D
Acq: 20 Mar 2018 21:55

Instrument :
BNA_F
ClientSampleId :
BB

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.8	8.5	12.7
80	14.5	9.2	13.8

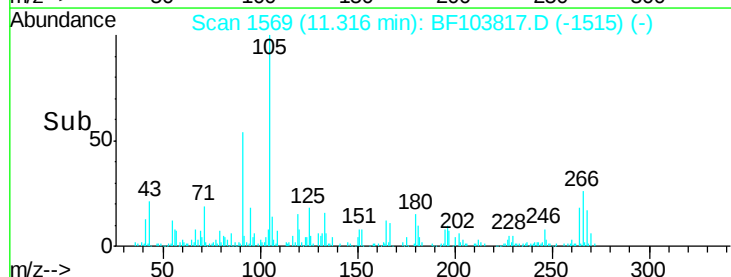
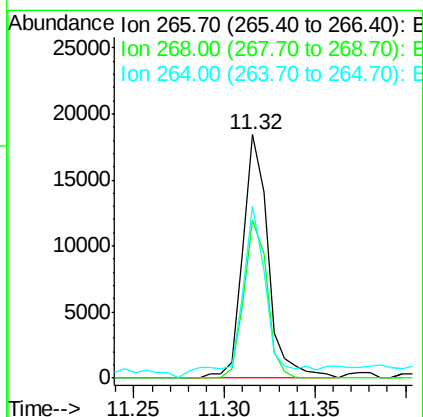
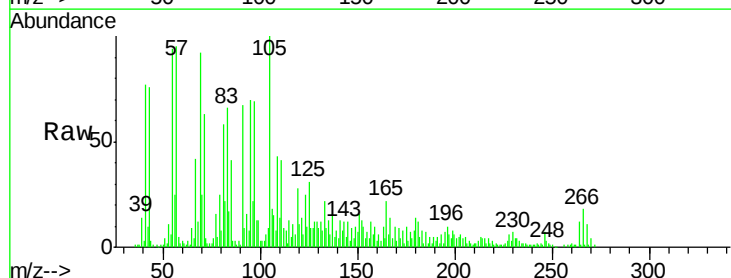
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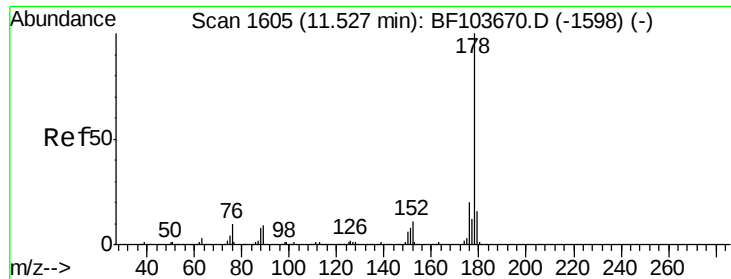
Sohil
3/22/2018 12:57:49 PM



#69
Pentachlorophenol
Concen: 18.455 ng
RT: 11.32 min Scan# 1569
Delta R.T. 0.02 min
Lab File: BF103817.D
Acq: 20 Mar 2018 21:55

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	65.1	51.1	76.7
264	70.9	49.5	74.3





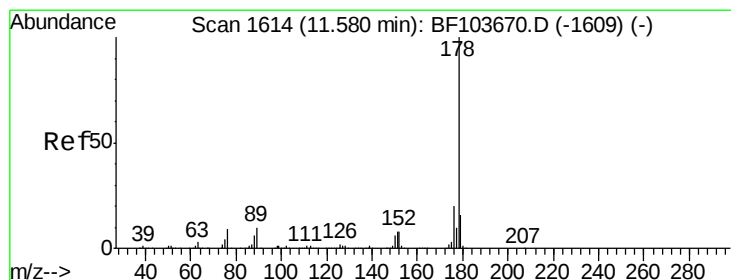
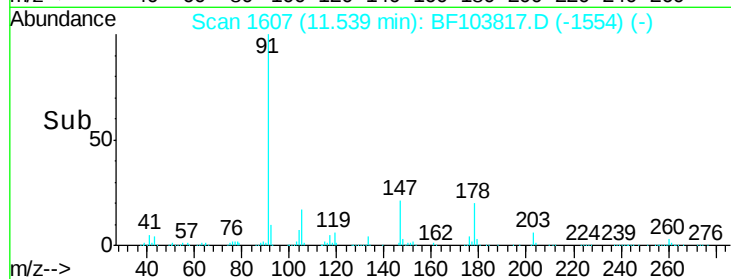
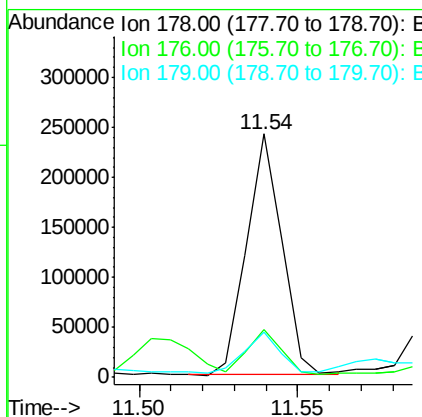
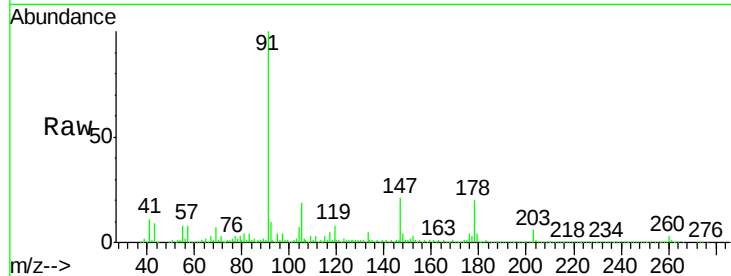
#70
Phenanthrene
Concen: 23.684 ng
RT: 11.54 min Scan# 1607
Delta R.T. 0.01 min
Lab File: BF103817.D
Acq: 20 Mar 2018 21:55

Instrument :
BNA_F
ClientSampleId :
BB

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	18.4	13.0	19.6

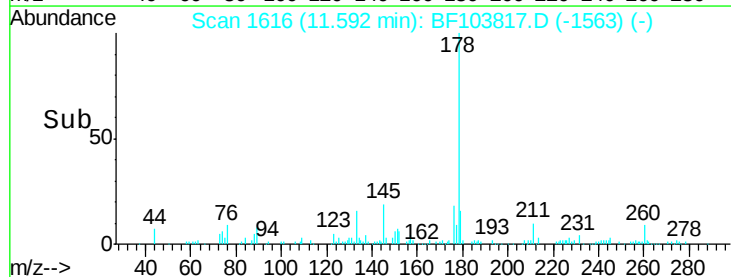
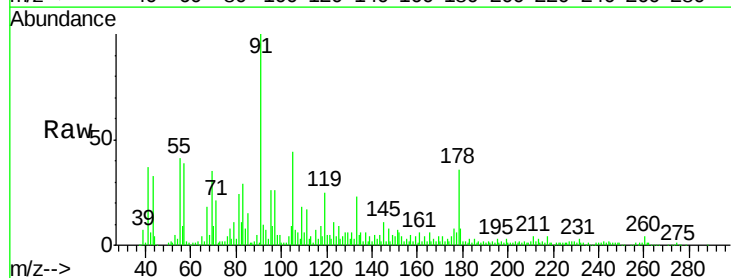
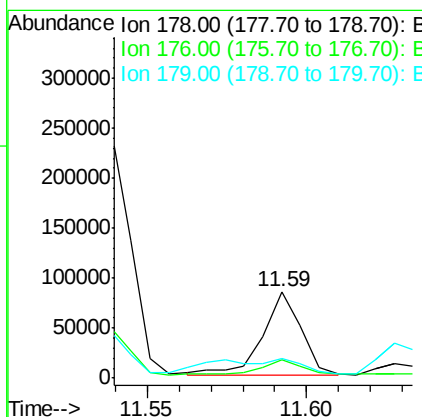
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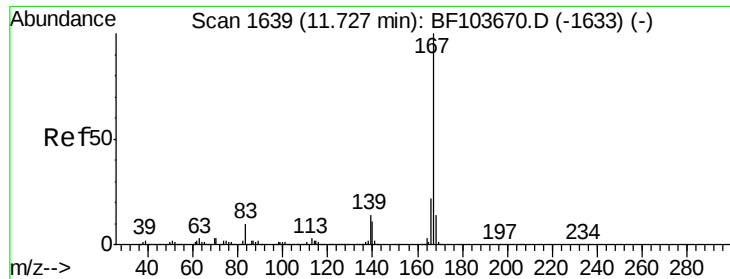
Sohil
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#71
Anthracene
Concen: 8.815 ng m
RT: 11.59 min Scan# 1616
Delta R.T. 0.01 min
Lab File: BF103817.D
Acq: 20 Mar 2018 21:55

Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.0	15.4	23.2
179	22.4	12.6	19.0





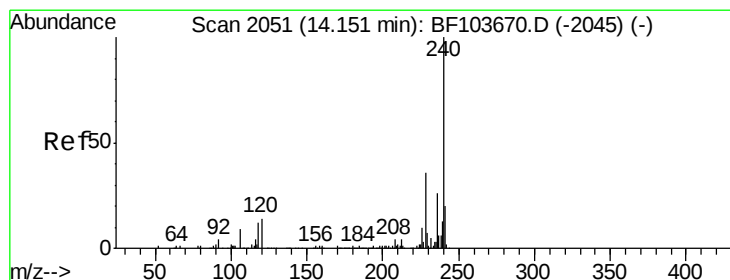
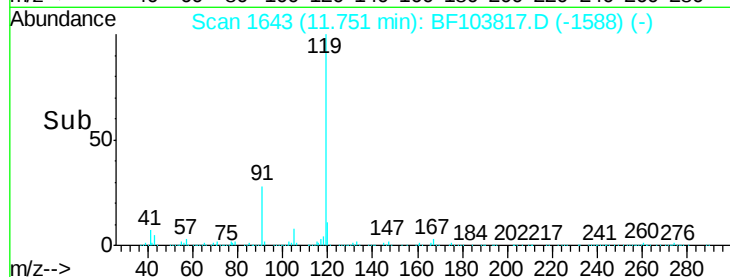
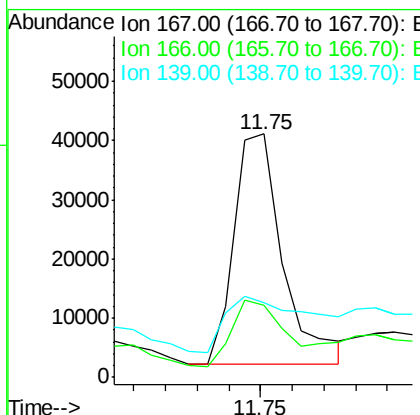
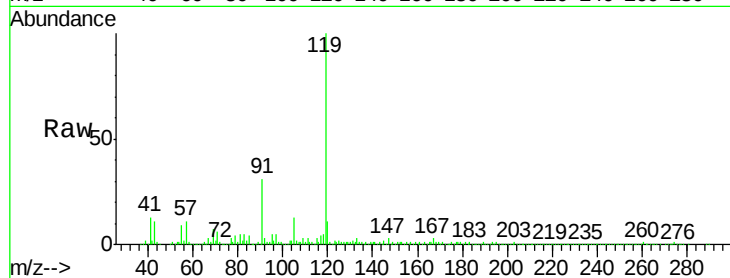
#72
 Carbazole
 Concen: 5.296 ng
 RT: 11.75 min Scan# 1643
 Delta R.T. 0.02 min
 Lab File: BF103817.D
 Acq: 20 Mar 2018 21:55

Instrument :
 BNA_F
 ClientSampled :
 BB

Tot Ion	Ratio	Lower	Upper
167	100		
166	29.5	17.6	26.4#
139	30.6	10.9	16.3#

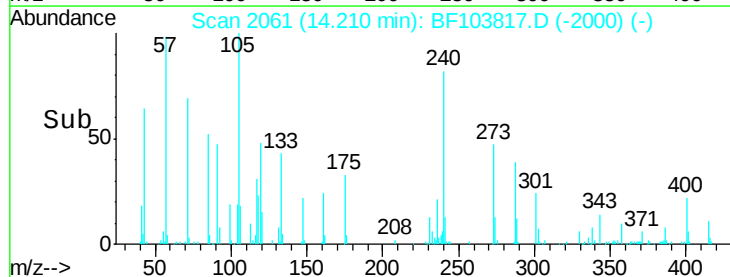
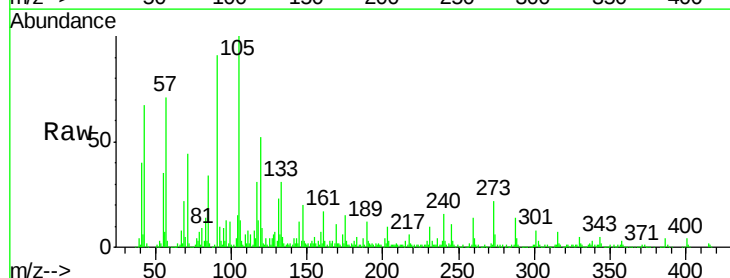
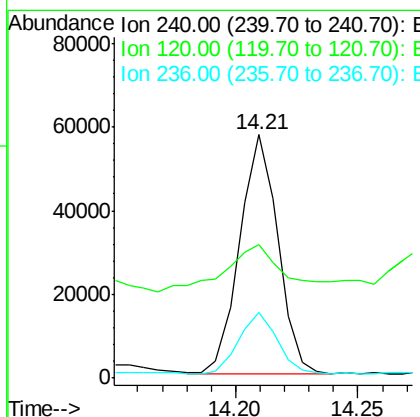
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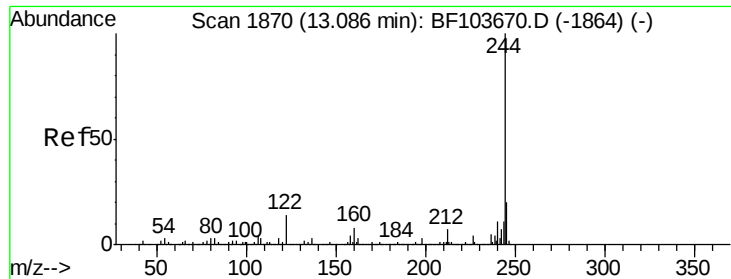
Sohil
 3/22/2018 12:57:49 PM



#75
 Chrysene-d12
 Concen: 20.000 ng m
 RT: 14.21 min Scan# 2061
 Delta R.T. 0.06 min
 Lab File: BF103817.D
 Acq: 20 Mar 2018 21:55

Tgt Ion	Ratio	Lower	Upper
240	100		
120	54.6	9.5	14.3#
236	27.0	20.7	31.1





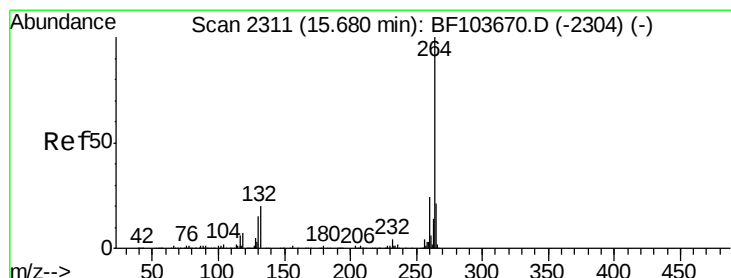
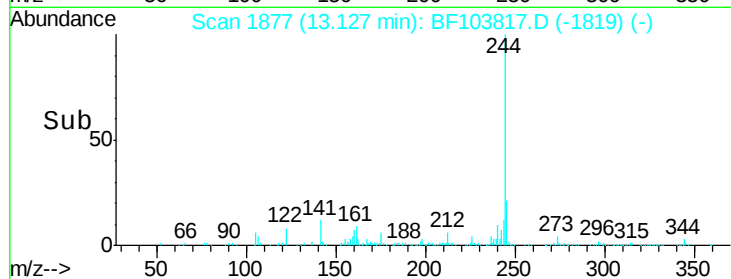
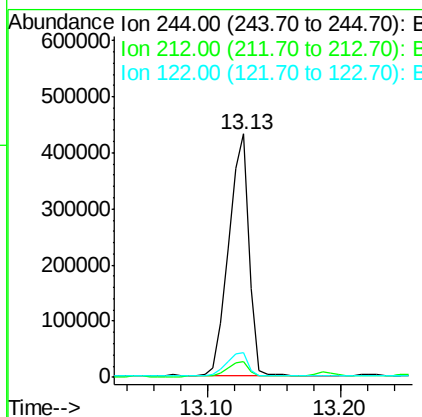
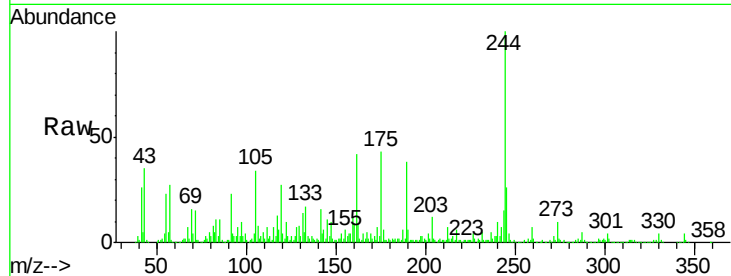
#78
 Terphenyl-d14
 Concen: 172.011 ng
 RT: 13.13 min Scan# 1877
 Delta R.T. 0.04 min
 Lab File: BF103817.D
 Acq: 20 Mar 2018 21:55

Instrument :
 BNA_F
 ClientSampled :
 BB

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	10.0	11.0	16.4

Manual Integrations
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 3/22/2018 12:57:49 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.80 min Scan# 2331
 Delta R.T. 0.12 min
 Lab File: BF103817.D
 Acq: 20 Mar 2018 21:55

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.1	19.2	28.8
265	23.3	17.5	26.3

