

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032318\
 Data File : BF103903.D
 Acq On : 24 Mar 2018 2:14
 Operator : JU/SJ
 Sample : J2014-01
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 032018-TIDO-F-D-B

Quant Time: Mar 24 03:30:35 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 13:26:17 2018
 Response via : Initial Calibration

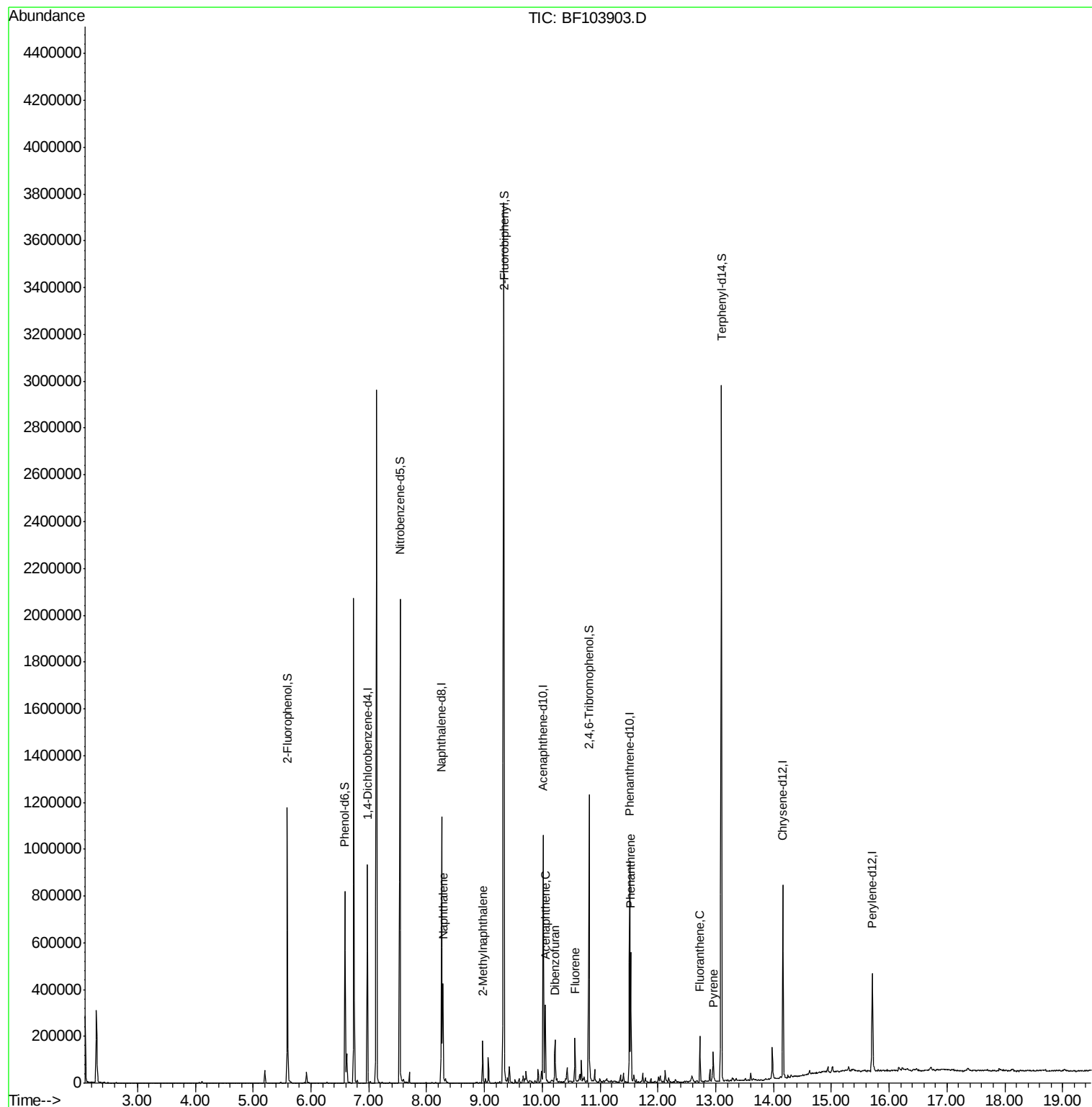
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	125821	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	486664	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	196722	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	314948	20.00	ng	0.00
75) Chrysene-d12	14.16	240	256049	20.00	ng	0.00
86) Perylene-d12	15.71	264	188732	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	330145	39.91	ng	0.00
7) Phenol-d6	6.59	99	264855	26.17	ng	-0.01
23) Nitrobenzene-d5	7.54	82	701979	100.59	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	164356	97.17	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1233535	100.02	ng	0.00
78) Terphenyl-d14	13.10	244	1002165	90.85	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.28	128	183947	7.482	ng	99
37) 2-Methylnaphthalene	8.97	142	45174	2.898	ng	99
51) Acenaphthene	10.05	154	72061	6.007	ng	99
54) Dibenzofuran	10.22	168	69870	4.078	ng	97
57) Fluorene	10.56	166	57192	4.302	ng	99
70) Phenanthrene	11.53	178	181522	10.536	ng	96
74) Fluoranthene	12.73	202	70905	3.995	ng	97
77) Pyrene	12.96	202	46876	2.493	ng	96

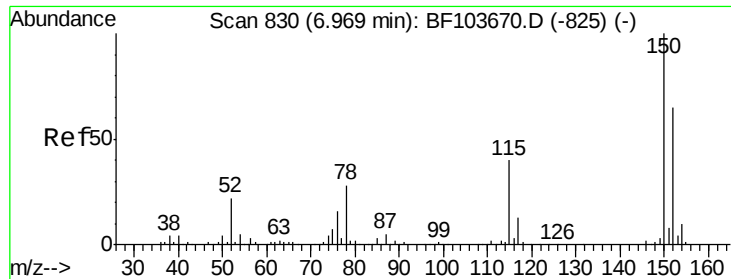
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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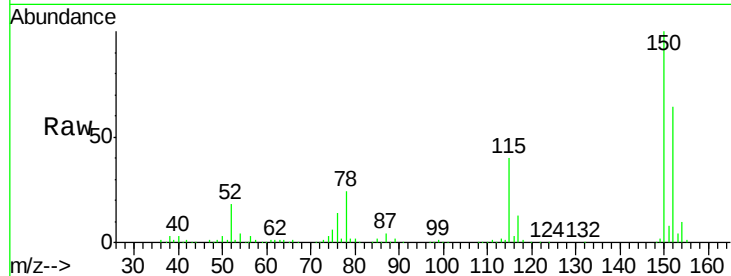


#1

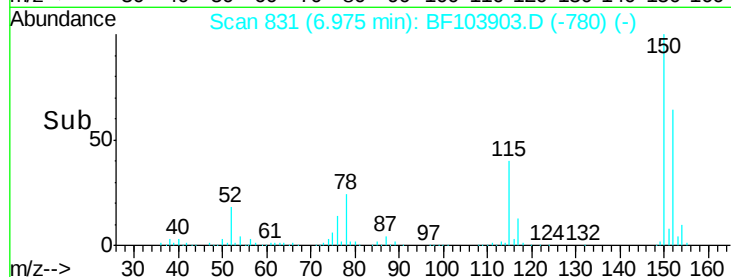
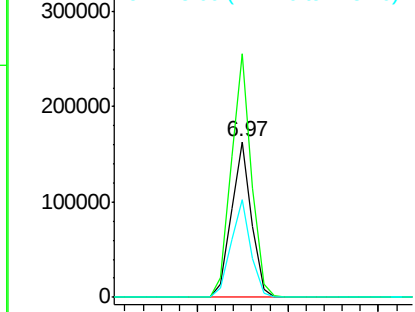
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.00 min
Lab File: BF103903.D
Acq: 24 Mar 2018 2:14

Instrument :
BNA_F
ClientSampleId :
032018-TIDO-F-D-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	124.6	186.8
115	63.1	50.1	75.1



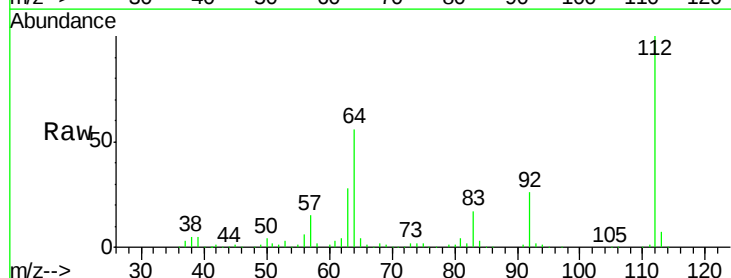
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



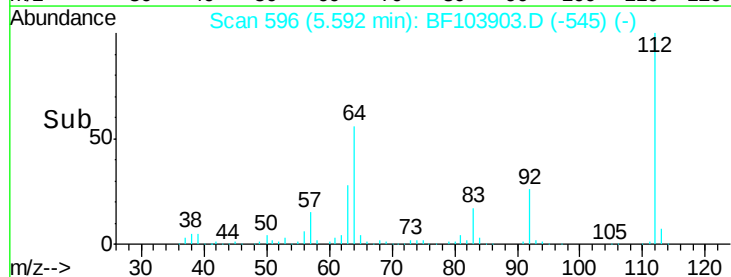
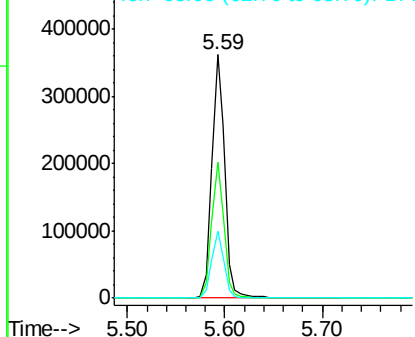
#5

2-Fluorophenol
Concen: 39.910 ng
RT: 5.59 min Scan# 596
Delta R.T. -0.00 min
Lab File: BF103903.D
Acq: 24 Mar 2018 2:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.7	47.9	71.9
63	27.6	23.7	35.5



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





#7

Phenol-d6

Concen: 26.170 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.01 min

Lab File: BF103903.D

Acq: 24 Mar 2018 2:14

Instrument :

BNA_F

ClientSampleId :

032018-TIDO-F-D-B

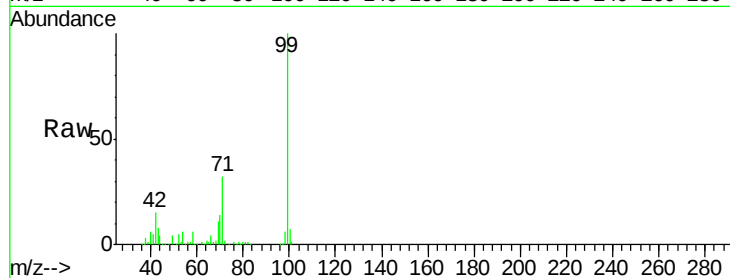
Tot Ion: 99 Resp: 264855

Ion Ratio Lower Upper

99 100

42 15.0 14.5 21.7

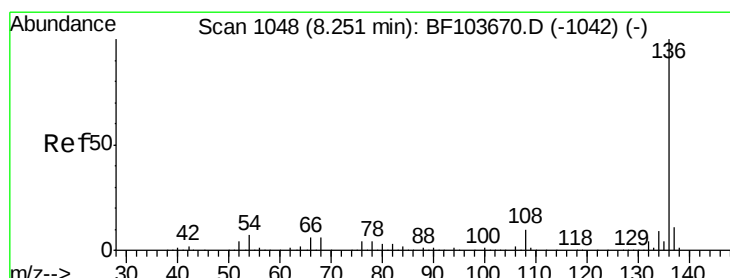
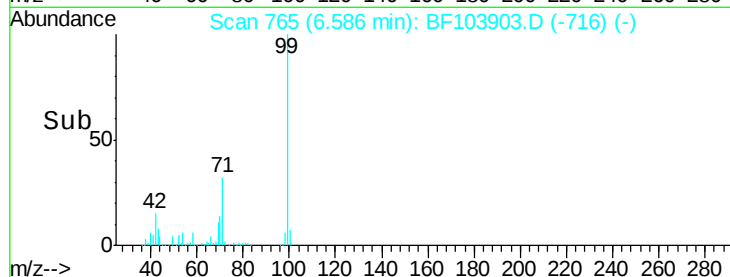
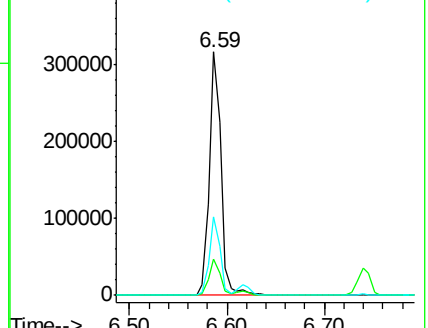
71 32.0 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1049

Delta R.T. -0.00 min

Lab File: BF103903.D

Acq: 24 Mar 2018 2:14

Tgt Ion: 136 Resp: 486664

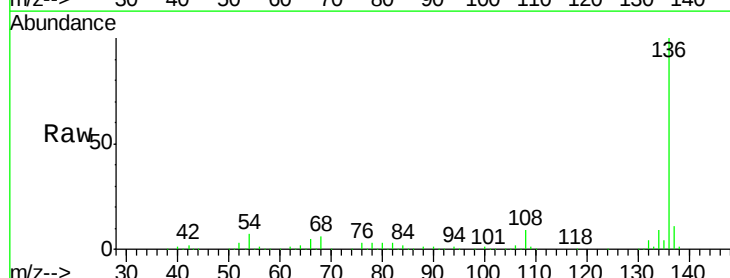
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 6.9 6.6 9.8

68 6.1 5.0 7.4

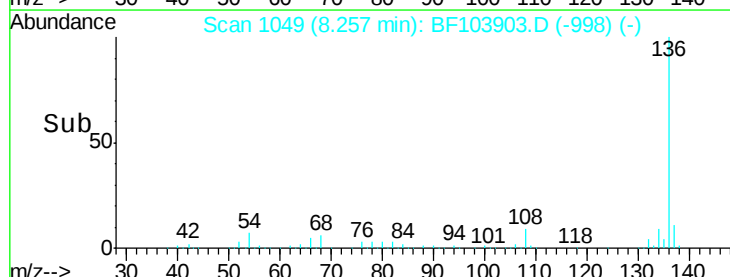
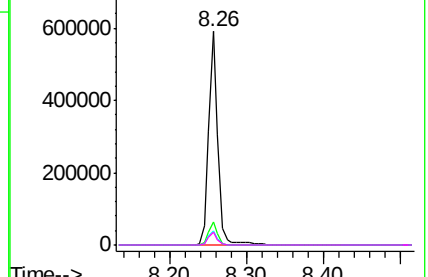


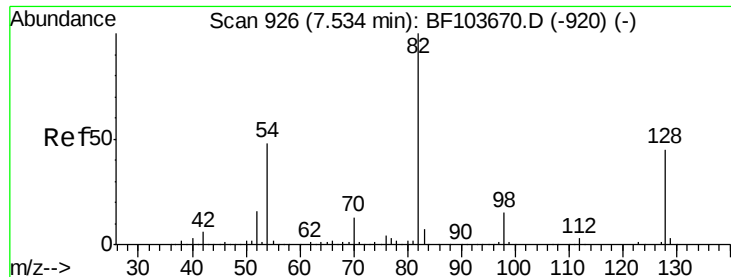
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

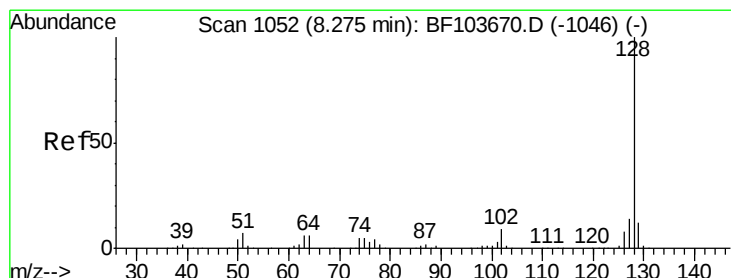
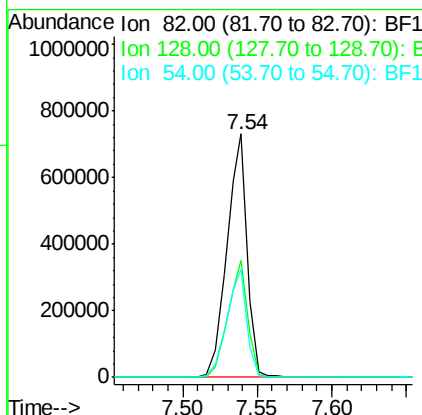
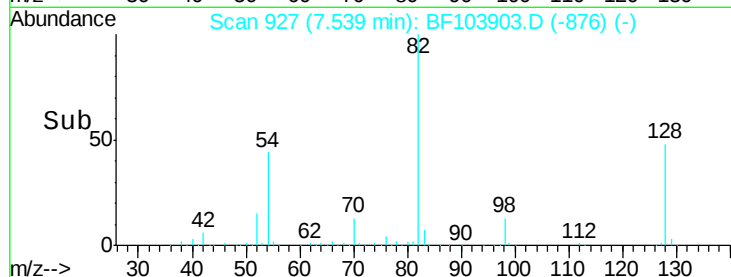
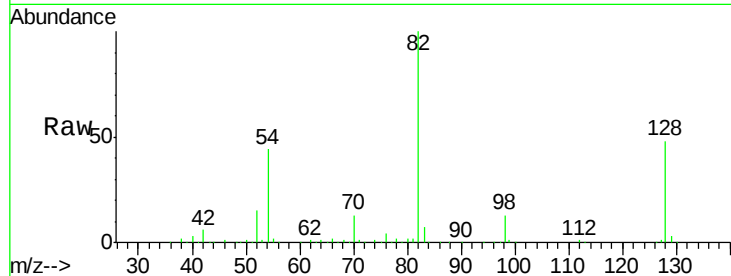




#23
 Nitrobenzene-d5
 Concen: 100.589 ng
 RT: 7.54 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: BF103903.D
 Acq: 24 Mar 2018 2:14

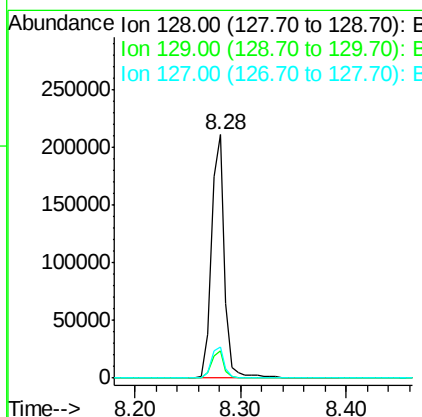
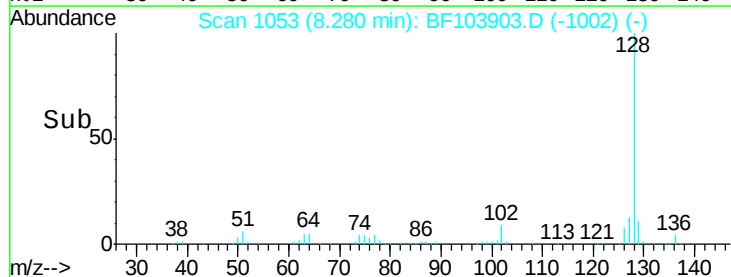
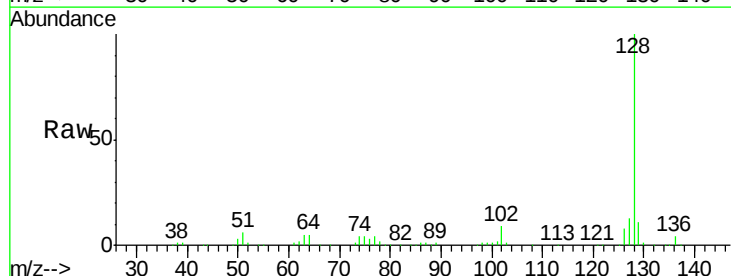
Instrument :
 BNA_F
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 032018-TIDO-F-D-B

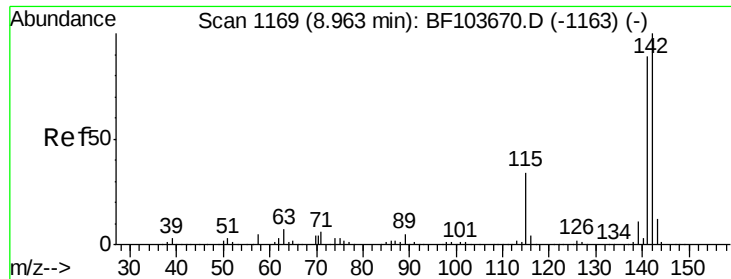
Tot Ion	82	Resp	701979
Ion Ratio	100	Lower	Upper
128	48.1	36.1	54.1
54	44.2	41.4	62.2



#31
 Naphthalene
 Concen: 7.482 ng
 RT: 8.28 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: BF103903.D
 Acq: 24 Mar 2018 2:14

Tgt Ion	128	Resp	183947
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
129	11.0	8.8	13.2
127	12.9	10.9	16.3

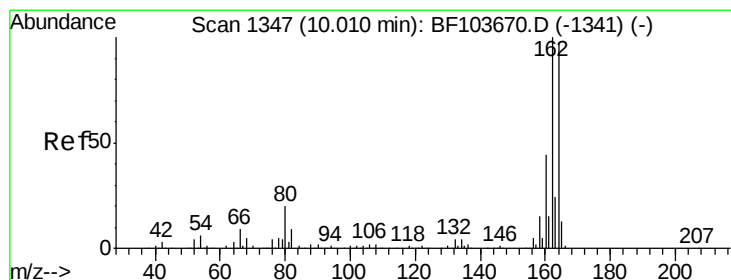
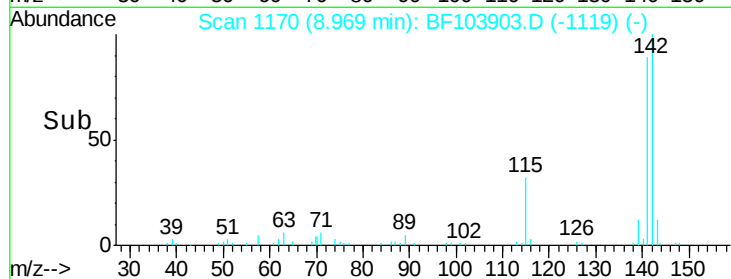
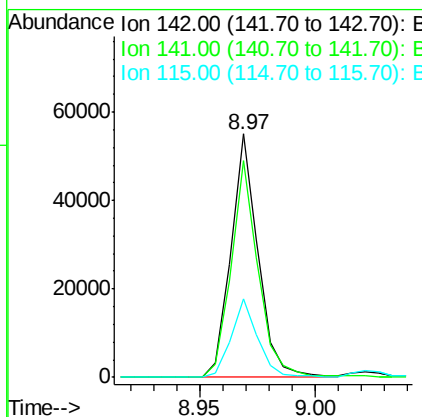
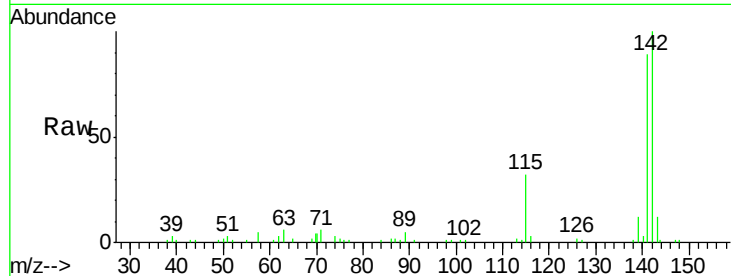




#37
2-Methylnaphthalene
Concen: 2.898 ng
RT: 8.97 min Scan# 1170
Delta R.T. -0.00 min
Lab File: BF103903.D
Acq: 24 Mar 2018 2:14

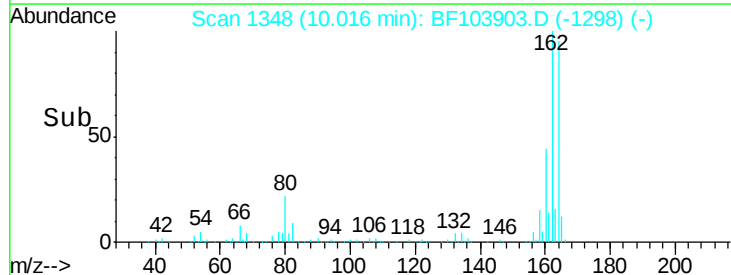
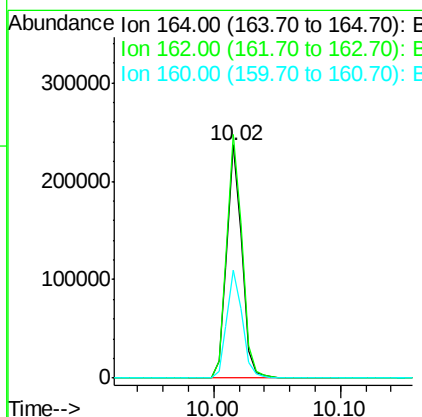
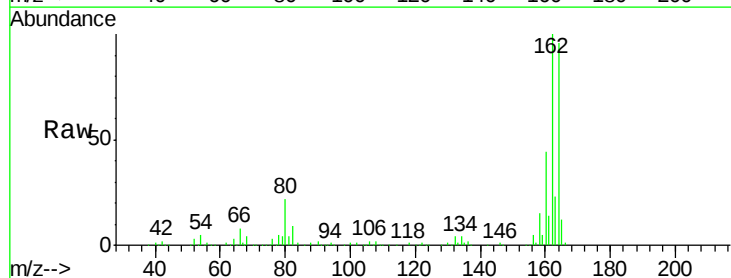
Instrument :
BNA_F
ClientSampleId :
032018-TIDO-F-D-B

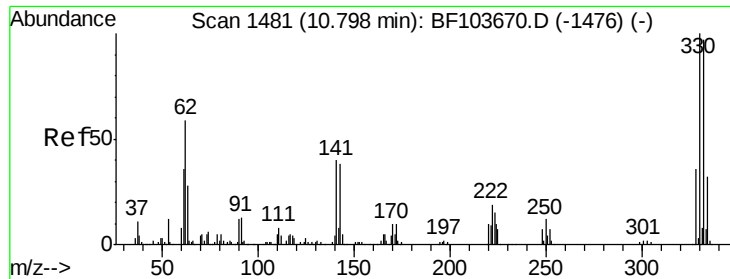
Tot Ion:142 Resp: 45174
Ion Ratio Lower Upper
142 100
141 89.2 70.8 106.2
115 32.4 26.1 39.1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF103903.D
Acq: 24 Mar 2018 2:14

Tgt Ion:164 Resp: 196722
Ion Ratio Lower Upper
164 100
162 104.4 86.1 129.1
160 46.2 38.3 57.5

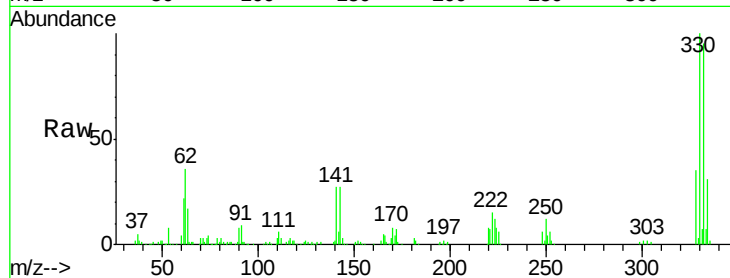




#41
 2,4,6-Tribromophenol
 Concen: 97.170 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. -0.00 min
 Lab File: BF103903.D
 Acq: 24 Mar 2018 2:14

Instrument :
 BNA_F
 ClientSampleId :
 032018-TIDO-F-D-B

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.0	115.6
141	32.8	29.9	44.9

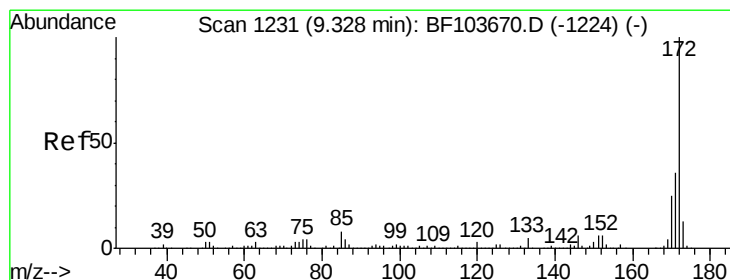
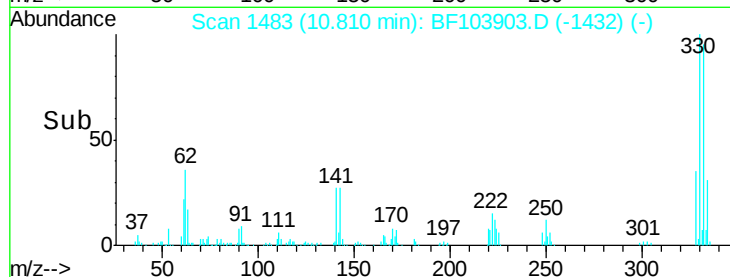
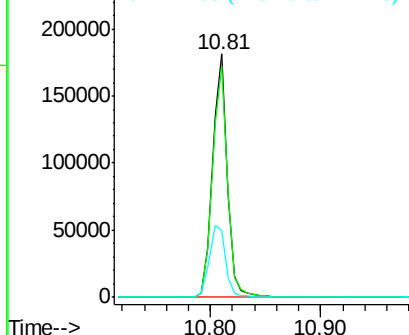


Abundance

Ion 329.80 (329.50 to 330.50): E

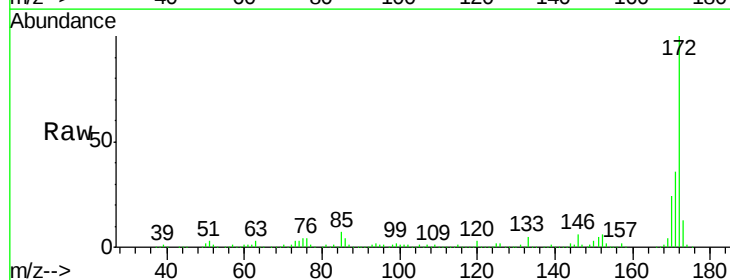
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 100.023 ng
 RT: 9.33 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: BF103903.D
 Acq: 24 Mar 2018 2:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.2	19.6	29.4

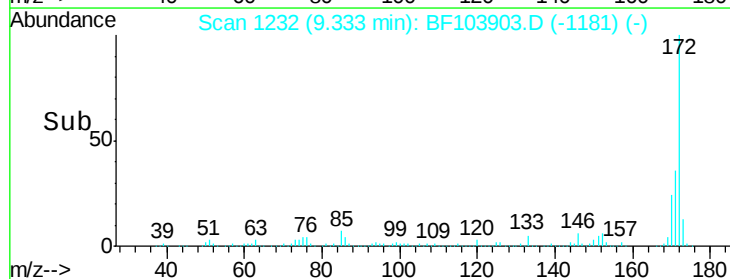
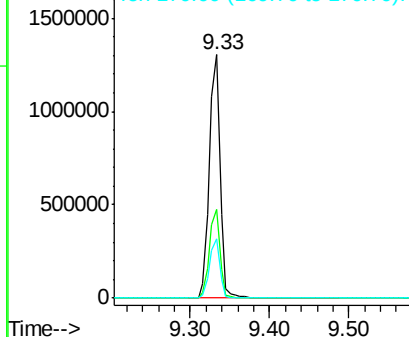


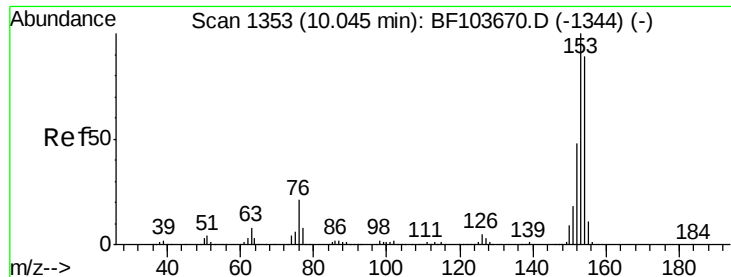
Abundance

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





#51

Acenaphthene

Concen: 6.007 ng

RT: 10.05 min Scan# 1354

Delta R.T. -0.01 min

Lab File: BF103903.D

Acq: 24 Mar 2018 2:14

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ClientSampleId :

032018-TIDO-F-D-B

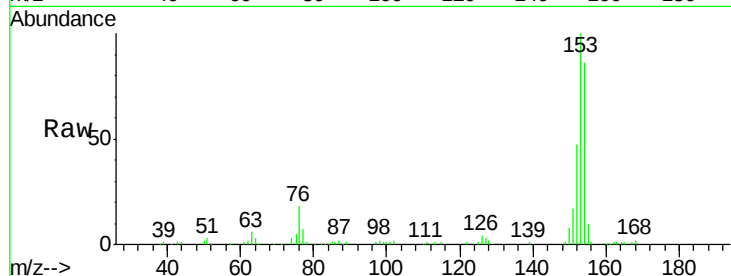
Tot Ion:154 Resp: 72061

Ion Ratio Lower Upper

154 100

153 116.1 91.2 136.8

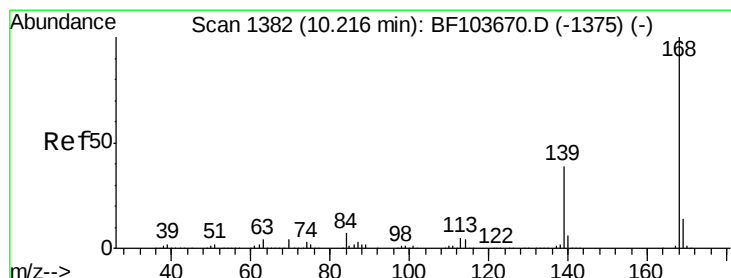
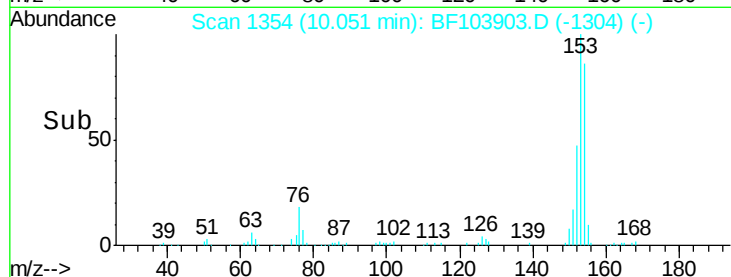
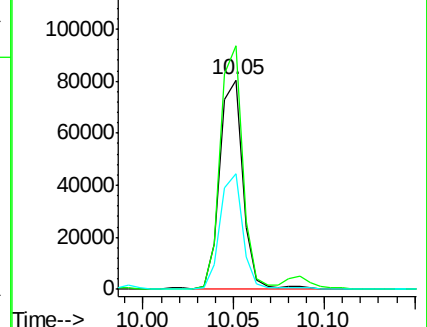
152 55.0 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 4.078 ng

RT: 10.22 min Scan# 1383

Delta R.T. -0.01 min

Lab File: BF103903.D

Acq: 24 Mar 2018 2:14

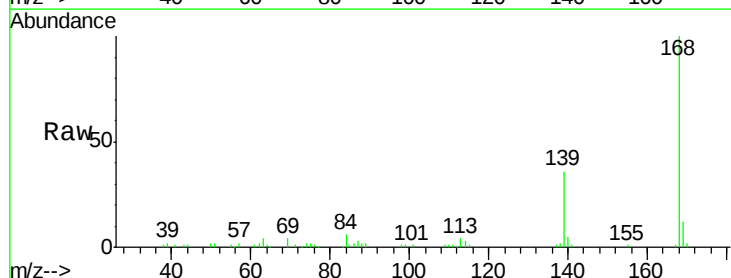
Tgt Ion:168 Resp: 69870

Ion Ratio Lower Upper

168 100

139 35.7 30.1 45.1

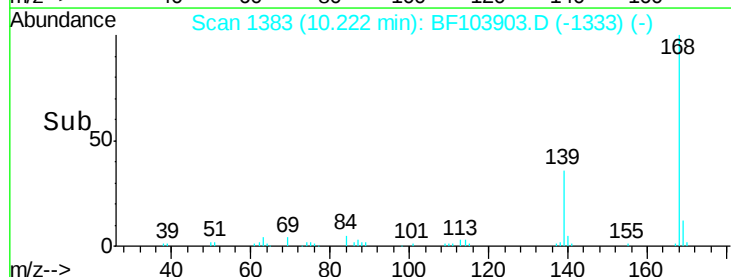
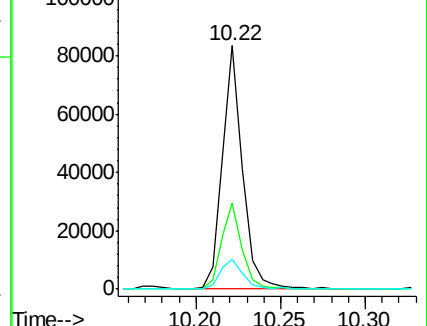
169 12.5 10.9 16.3

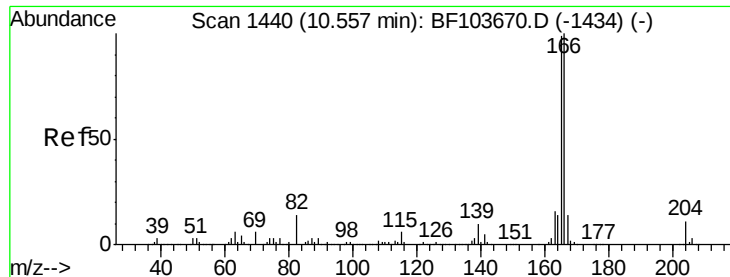


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

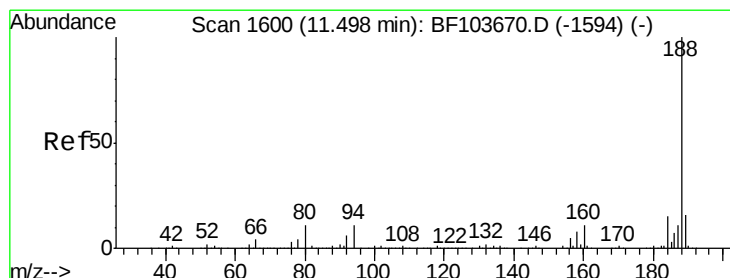
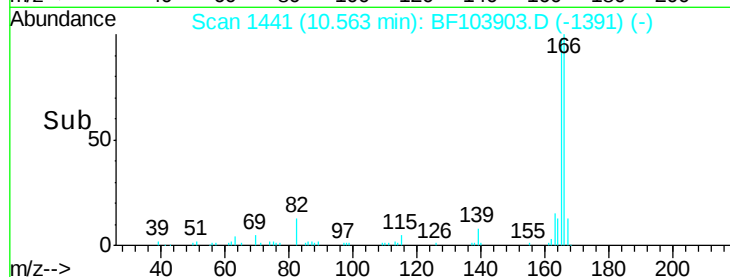
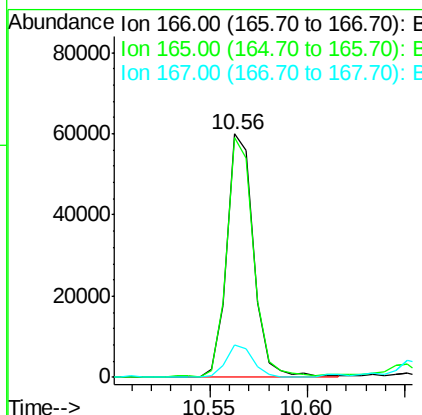
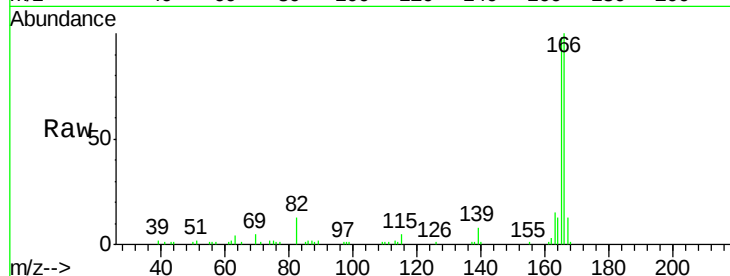




#57
Fluorene
 Concen: 4.302 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF103903.D
 Acq: 24 Mar 2018 2:14

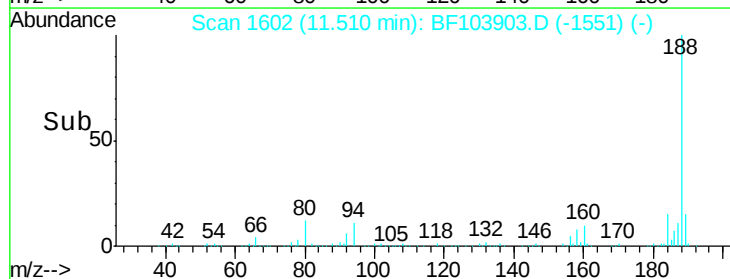
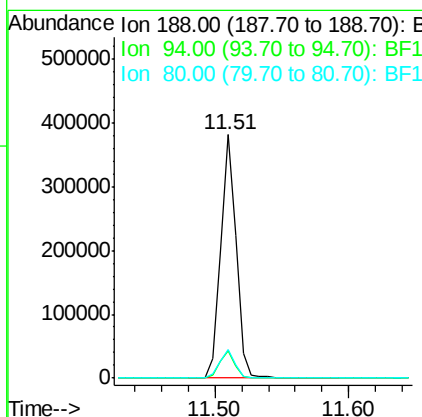
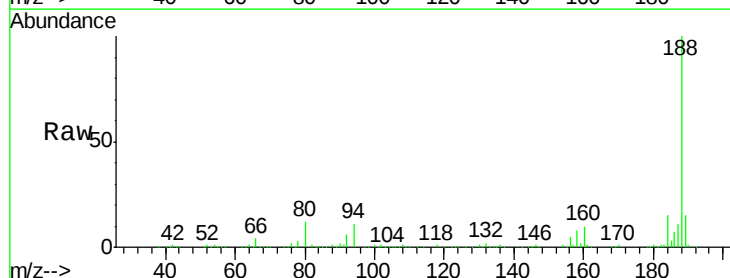
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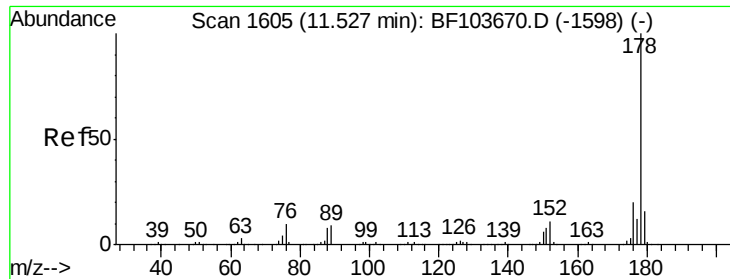
Tot Ion	Ratio	Lower	Upper
166	100		
165	98.3	79.8	119.8
167	13.2	10.6	16.0



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.51 min Scan# 1602
 Delta R.T. -0.00 min
 Lab File: BF103903.D
 Acq: 24 Mar 2018 2:14

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.1	8.5	12.7
80	11.8	9.2	13.8





#70

Phenanthrene

Concen: 10.536 ng

RT: 11.53 min Scan# 1606

Delta R.T. -0.01 min

Lab File: BF103903.D

Acq: 24 Mar 2018 2:14

Instrument :

BNA_F

ClientSampleId :

032018-TIDO-F-D-B

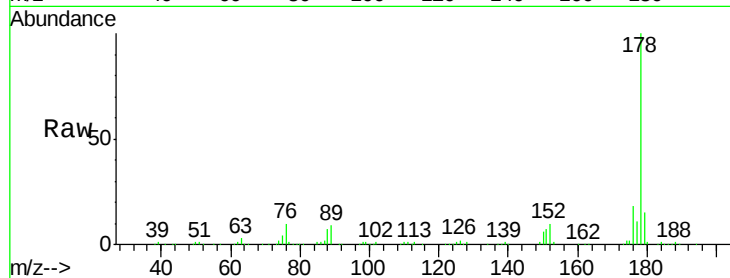
Tot Ion:178 Resp: 181522

Ion Ratio Lower Upper

178 100

176 18.3 15.8 23.8

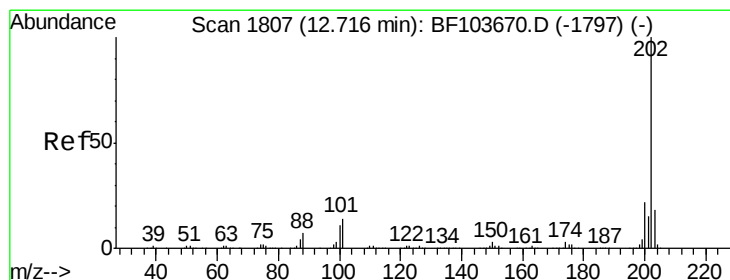
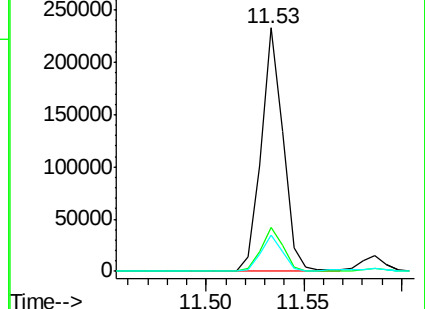
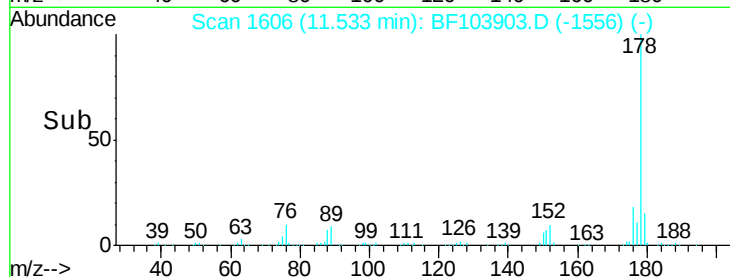
179 14.7 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 3.995 ng

RT: 12.73 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BF103903.D

Acq: 24 Mar 2018 2:14

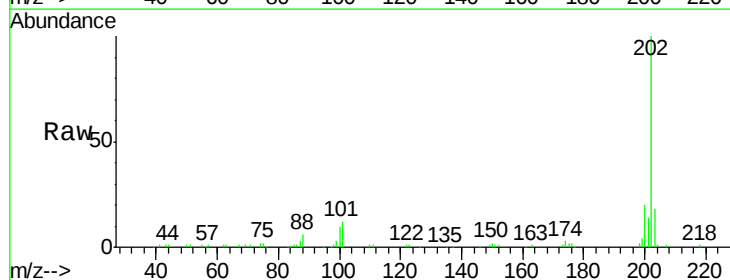
Tgt Ion:202 Resp: 70905

Ion Ratio Lower Upper

202 100

101 12.0 0.0 34.1

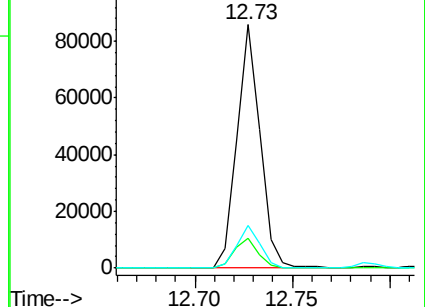
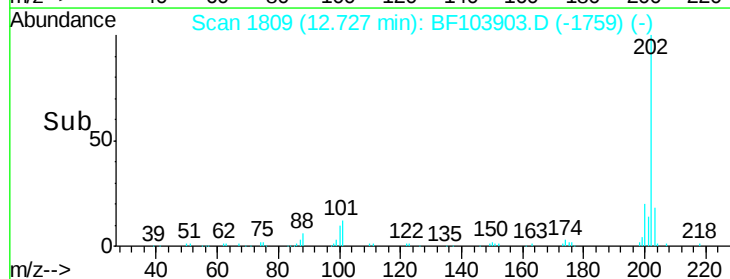
203 17.7 0.0 38.1

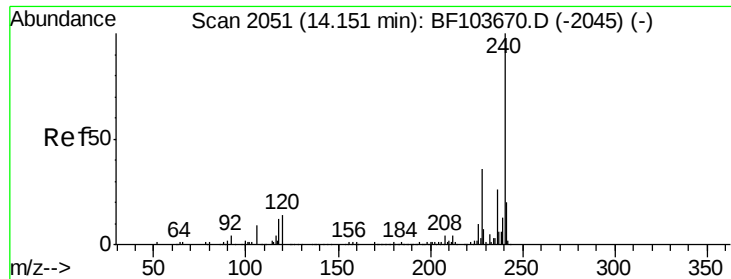


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.16 min Scan# 2053

Delta R.T. -0.01 min

Lab File: BF103903.D

Acq: 24 Mar 2018 2:14

Instrument :

BNA_F

ClientSampleId :

032018-TIDO-F-D-B

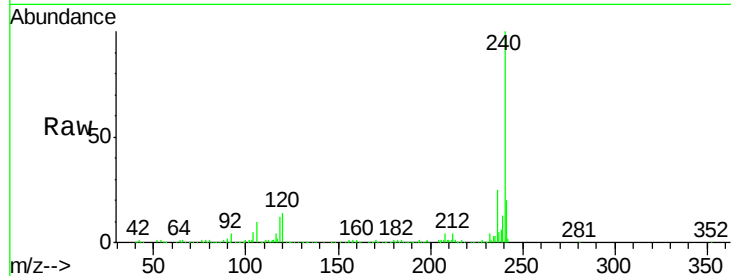
Tot Ion:240 Resp: 256049

Ion Ratio Lower Upper

240 100

120 14.0 9.5 14.3

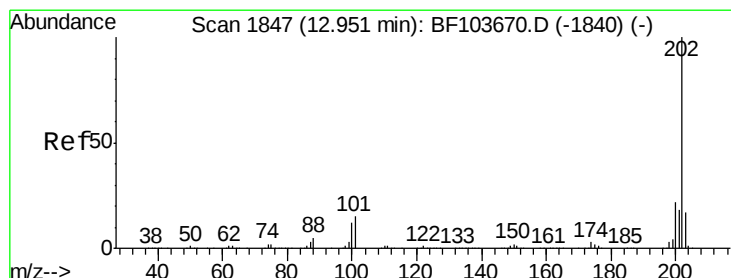
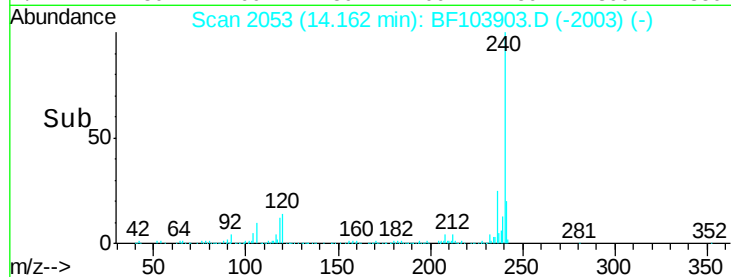
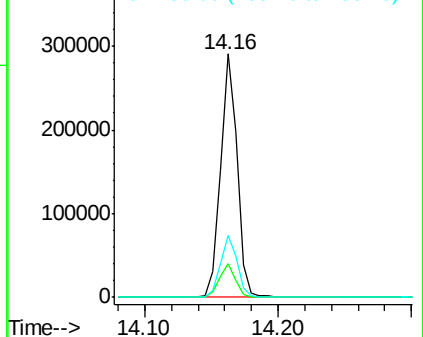
236 25.3 20.7 31.1



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: 2.493 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF103903.D

Acq: 24 Mar 2018 2:14

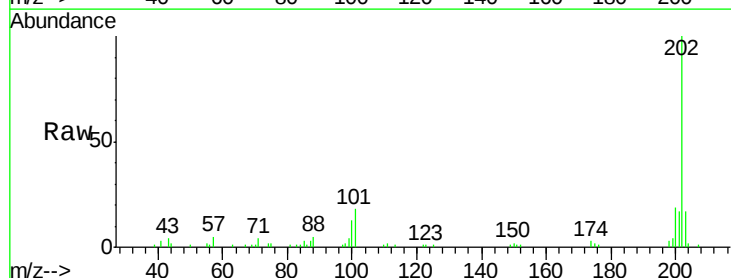
Tgt Ion:202 Resp: 46876

Ion Ratio Lower Upper

202 100

200 19.1 17.4 26.2

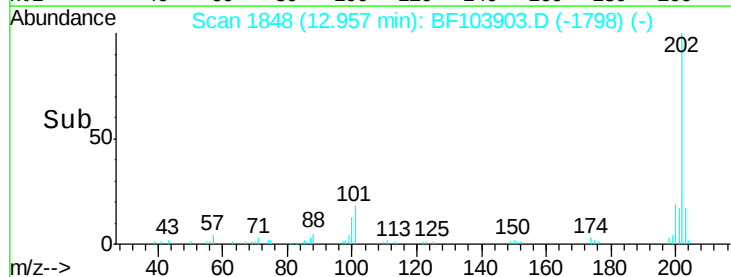
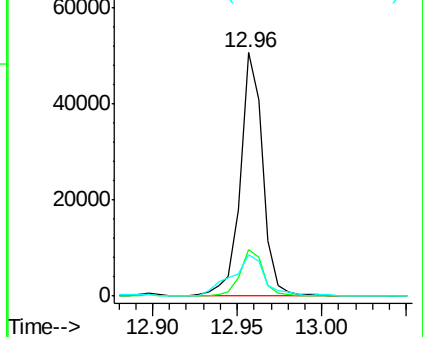
203 17.1 14.3 21.5

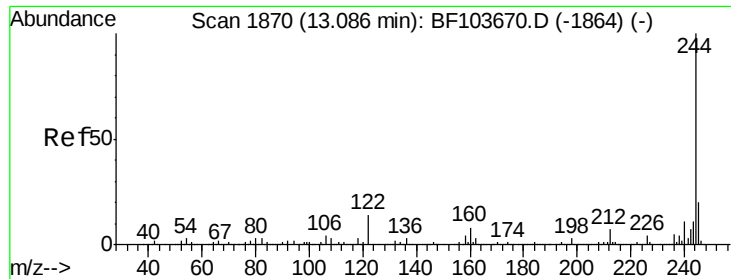


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 90.849 ng

RT: 13.10 min Scan# 1872

Delta R.T. -0.00 min

Lab File: BF103903.D

Acq: 24 Mar 2018 2:14

Instrument :

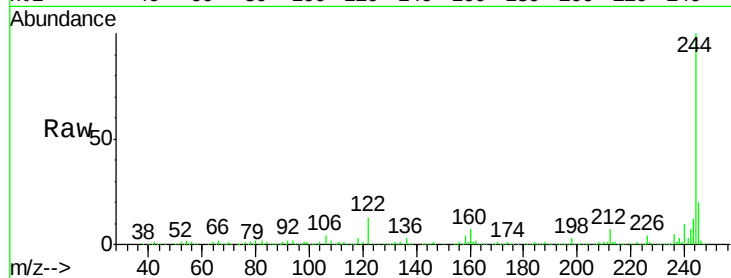
BNA_F

ClientSampleId :

032018-TIDO-F-D-B

Tot Ion:244 Resp: 1002165

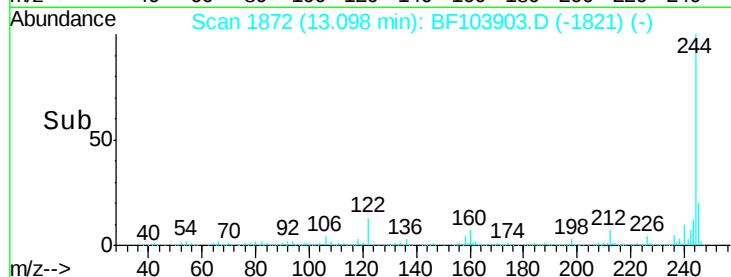
Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	12.9	11.0	16.4



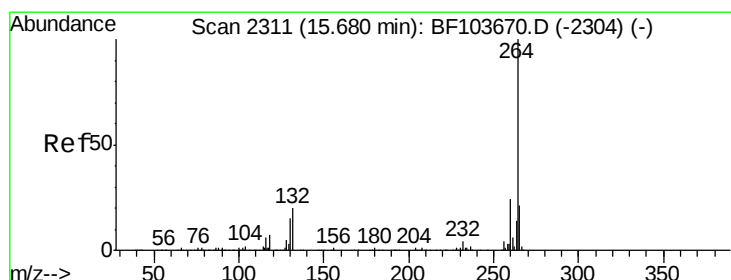
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time--> 13.00 13.10 13.20



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.71 min Scan# 2316

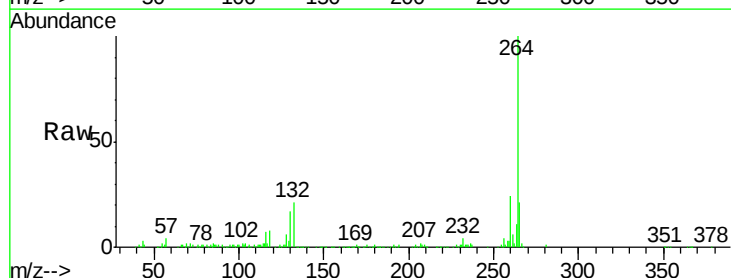
Delta R.T. -0.00 min

Lab File: BF103903.D

Acq: 24 Mar 2018 2:14

Tgt Ion:264 Resp: 188732

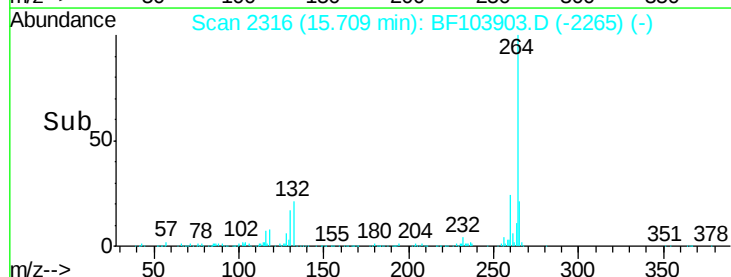
Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.0	17.5	26.3



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



Time--> 15.70 15.80