

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122718\
 Data File : BF111771.D
 Acq On : 27 Dec 2018 19:13
 Operator : JU/SJ
 Sample : J6426-05 10X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-DS002-01

Quant Time: Dec 28 07:11:26 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	117610	20.00	ng	0.01
21) Naphthalene-d8	8.19	136	408931	20.00	ng	0.01
39) Acenaphthene-d10	9.95	164	193987	20.00	ng	0.01
64) Phenanthrene-d10	11.43	188	331423	20.00	ng	0.02
76) Chrysene-d12	14.07	240	278727	20.00	ng	0.02
87) Perylene-d12	15.57	264	207270	20.00	ng	0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.54	112	9116	1.32	ng	0.02
7) Phenol-d6	6.52	99	454	0.05	ng	0.00
23) Nitrobenzene-d5	7.46	82	8913	1.27	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	2668	1.16	ng	0.01
45) 2-Fluorobiphenyl	9.26	172	15205	1.14	ng	0.00
79) Terphenyl-d14	13.02	244	15944	1.08	ng	0.02

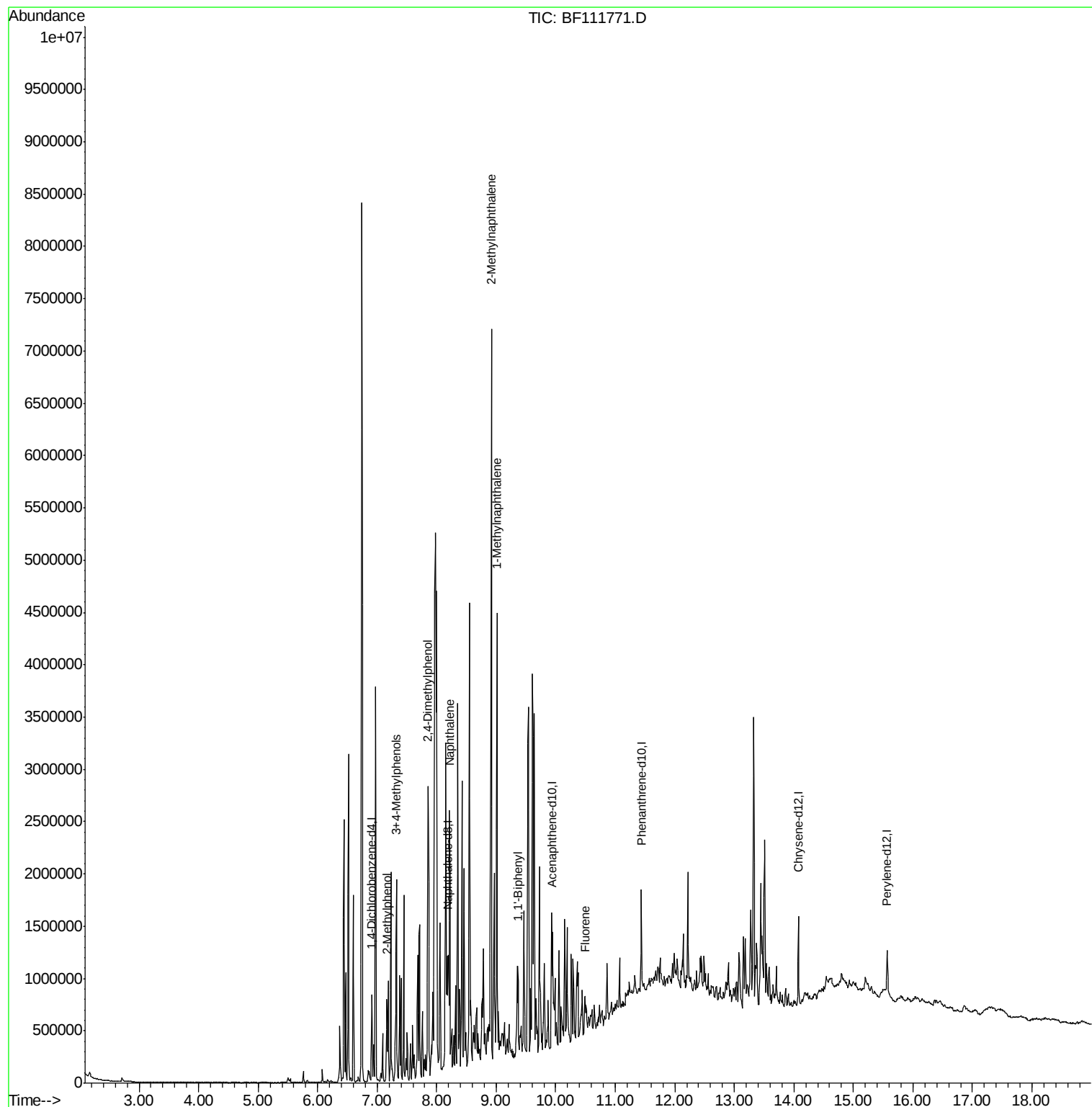
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
17) 2-Methylphenol	7.16	107	100648	16.445	ng	# 90
20) 3+4-Methylphenols	7.32	107	476048	61.559	ng	# 64
27) 2,4-Dimethylphenol	7.85	122	616774	104.773	ng	93
31) Naphthalene	8.22	128	877425	44.656	ng	97
37) 2-Methylnaphthalene	8.92	142	1954175	152.868	ng	96
38) 1-Methylnaphthalene	9.02	142	1202725	97.963	ng	100
46) 1,1'-Biphenyl	9.36	154	227937	13.919	ng	94
58) Fluorene	10.49	166	30889	2.429	ng	# 75

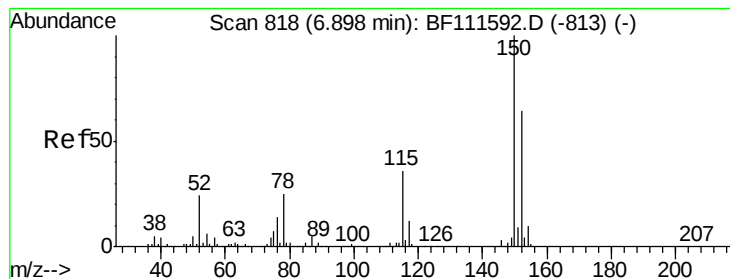
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.91 min Scan# 820

Delta R.T. 0.01 min

Lab File: BF111771.D

Acq: 27 Dec 2018 19:13

Instrument :

BNA_F

ClientSampleId :

P001-DS002-01

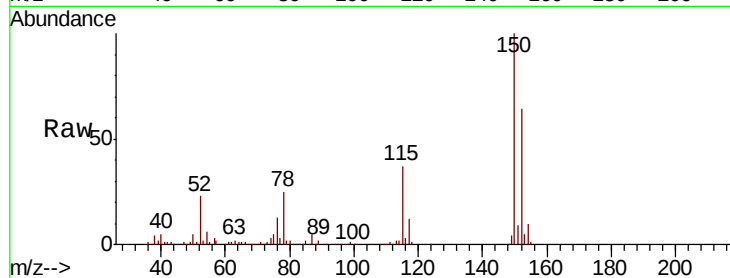
Tot Ion:152 Resp: 117610

Ion Ratio Lower Upper

152 100

150 155.2 126.6 189.8

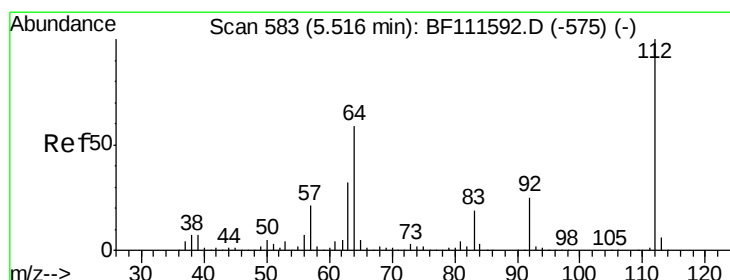
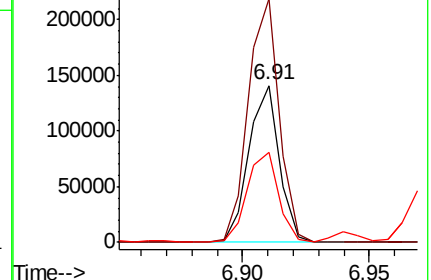
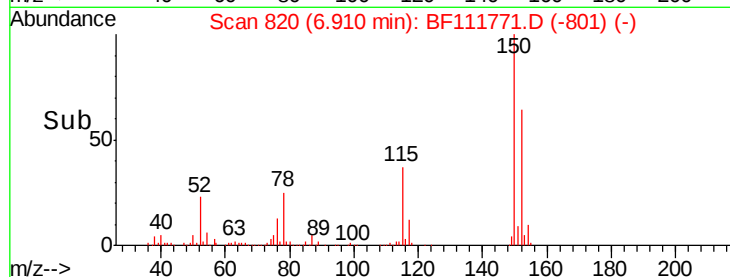
115 57.4 50.7 76.1



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: 1.321 ng

RT: 5.54 min Scan# 587

Delta R.T. 0.02 min

Lab File: BF111771.D

Acq: 27 Dec 2018 19:13

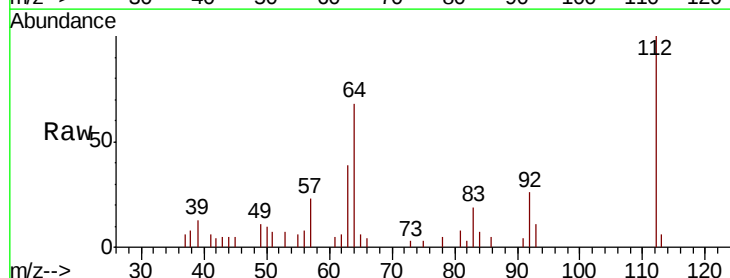
Tgt Ion:112 Resp: 9116

Ion Ratio Lower Upper

112 100

64 67.6 51.8 77.6

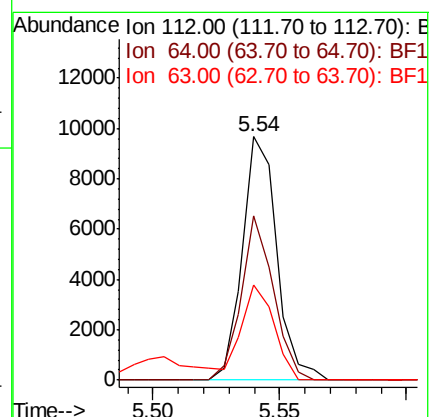
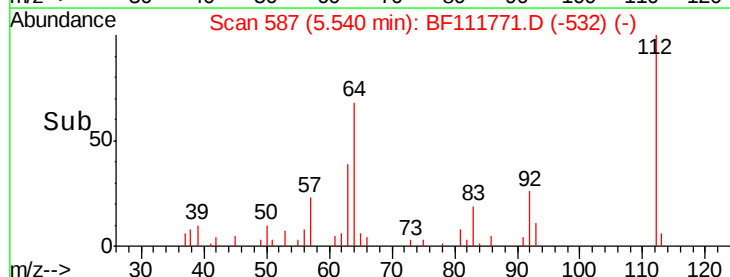
63 38.9 26.8 40.2

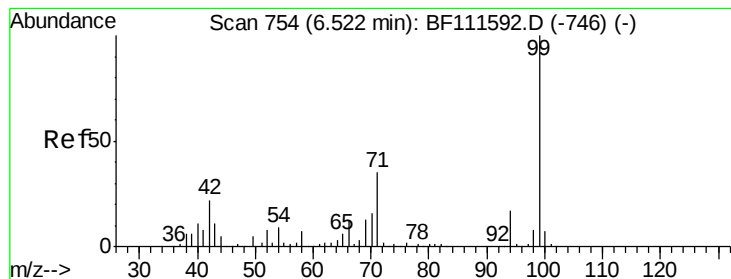


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 0.052 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF111771.D

Acq: 27 Dec 2018 19:13

Instrument :

BNA_F

ClientSampleId :

P001-DS002-01

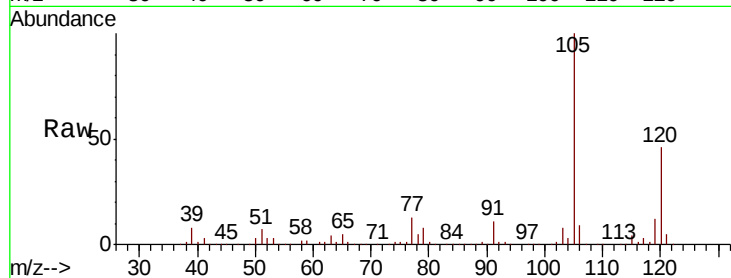
Tot Ion: 99 Resp: 454

Ion Ratio Lower Upper

99 100

42 376.9 17.4 26.0#

71 145.5 26.1 39.1#

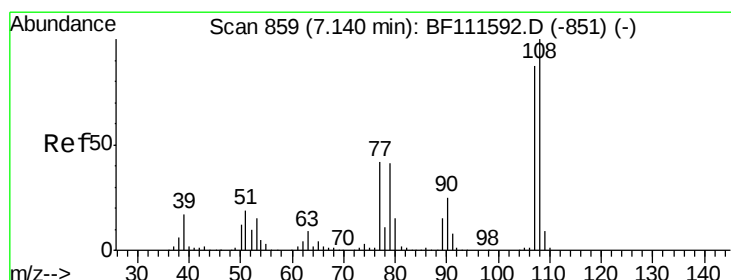
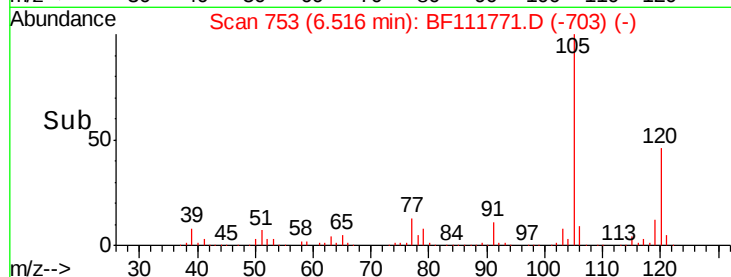
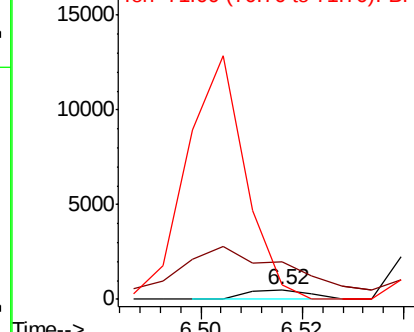


Abundance

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



#17

2-Methylphenol

Concen: 16.445 ng

RT: 7.16 min Scan# 863

Delta R.T. 0.02 min

Lab File: BF111771.D

Acq: 27 Dec 2018 19:13

Tgt Ion: 107 Resp: 100648

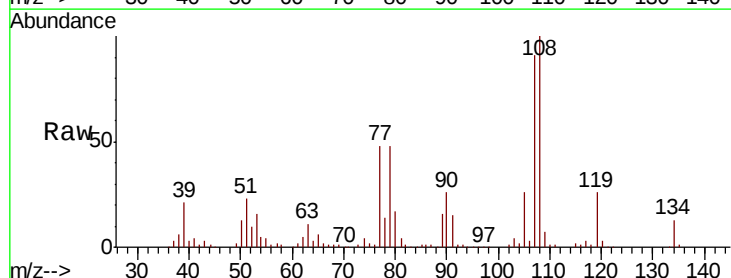
Ion Ratio Lower Upper

107 100

108 109.8 91.0 136.4

77 52.9 33.5 50.3#

79 53.2 33.3 49.9#



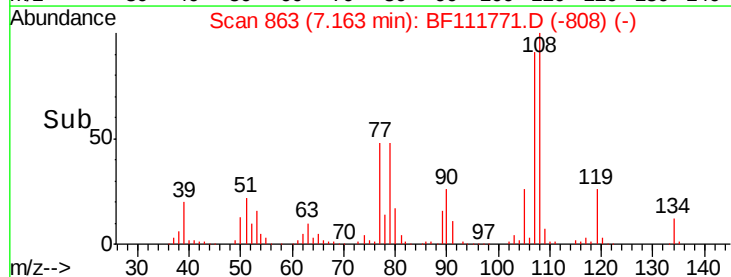
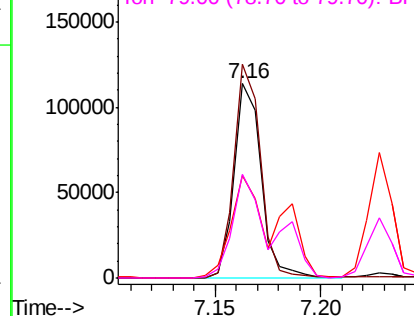
Abundance

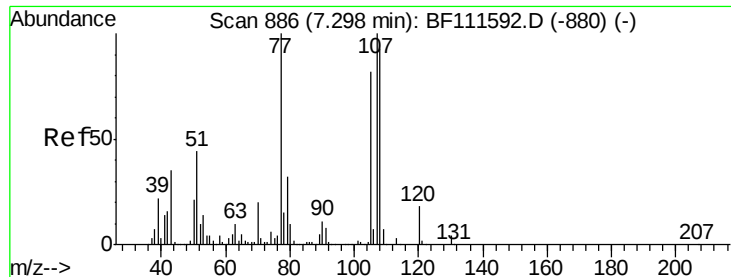
Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#20

3+4-Methylphenols

Concen: 61.559 ng

RT: 7.32 min Scan# 890

Delta R.T. 0.02 min

Lab File: BF111771.D

Acq: 27 Dec 2018 19:13

Instrument :

BNA_F

ClientSampleId :

P001-DS002-01

Tot Ion:107 Resp: 476048

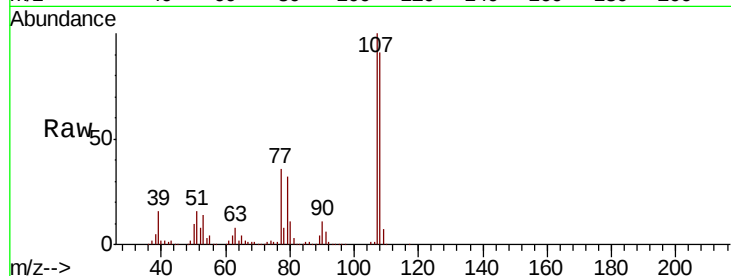
Ion Ratio Lower Upper

107 100

108 91.3 72.1 112.1

77 36.1 94.1 134.1#

79 32.5 9.8 49.8

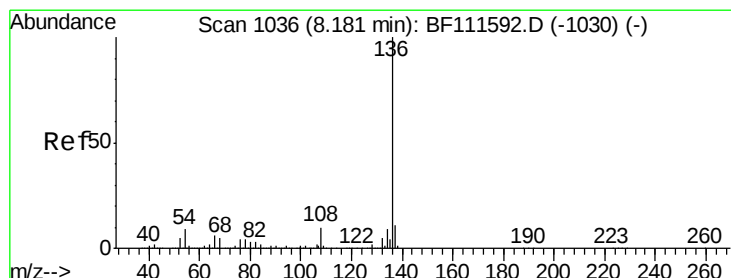
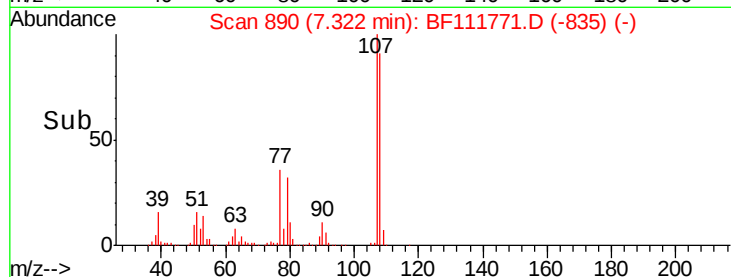
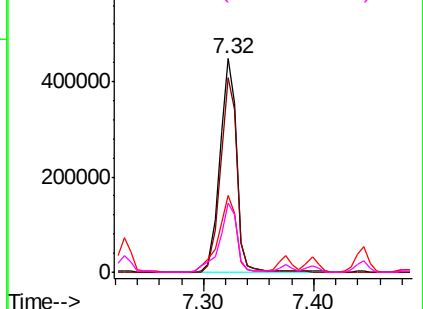


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.19 min Scan# 1038

Delta R.T. 0.01 min

Lab File: BF111771.D

Acq: 27 Dec 2018 19:13

Tgt Ion:136 Resp: 408931

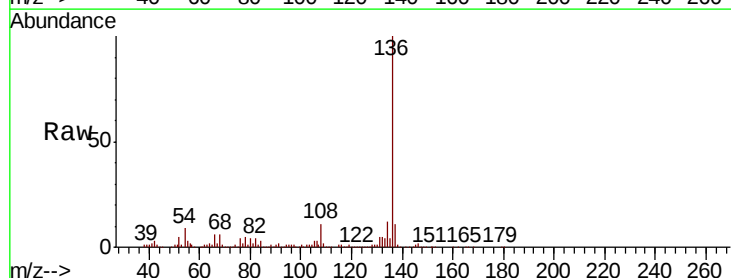
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 9.4 7.7 11.5

68 5.7 4.9 7.3

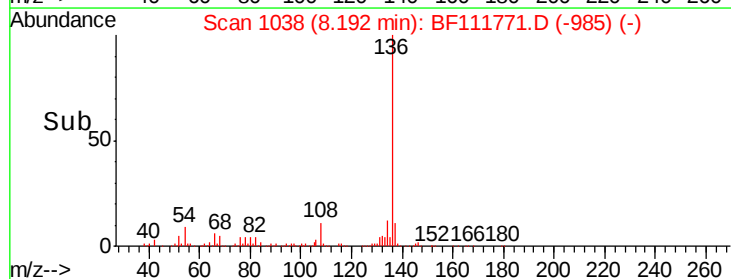
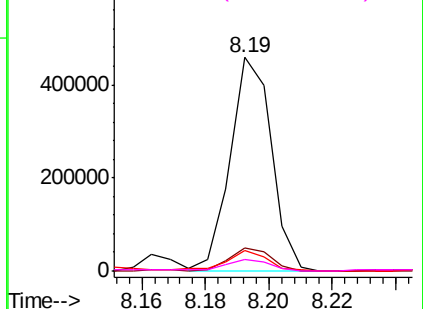


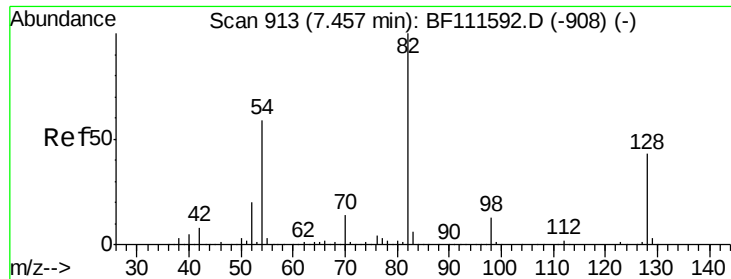
Abundance Ion 136.00 (135.70 to 136.70): E

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

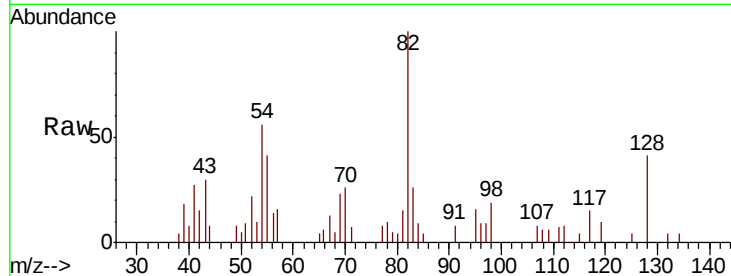




#23
 Nitrobenzene-d5
 Concen: 1.269 ng
 RT: 7.46 min Scan# 914
 Delta R.T. 0.01 min
 Lab File: BF111771.D
 Acq: 27 Dec 2018 19:13

Instrument :
 BNA_F
 ClientSampleId :
 P001-DS002-01

Tot Ion	82	Resp	8913
Ion Ratio	100	Lower	Upper
128	40.5	37.4	56.2
54	56.0	47.6	71.4

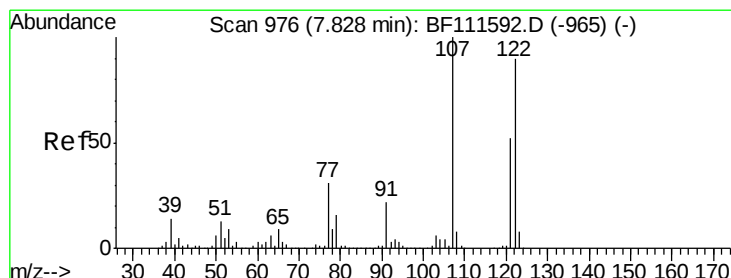
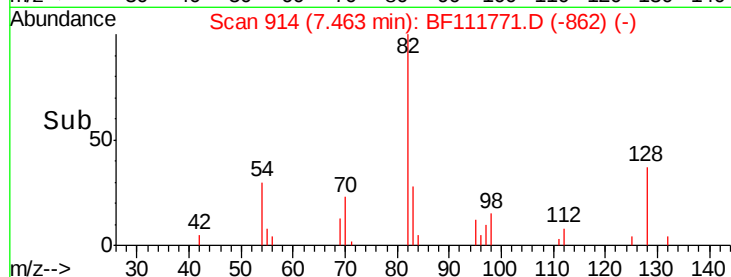
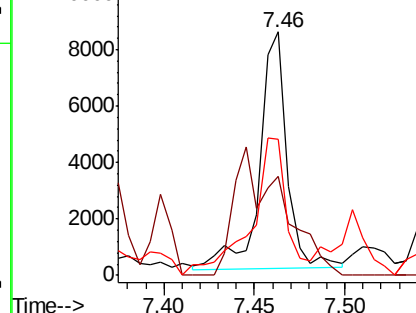


Abundance

Ion 82.00 (81.70 to 82.70): BF1

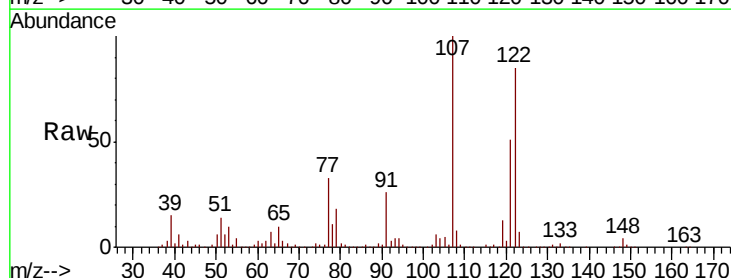
Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#27
 2,4-Dimethylphenol
 Concen: 104.773 ng
 RT: 7.85 min Scan# 980
 Delta R.T. 0.02 min
 Lab File: BF111771.D
 Acq: 27 Dec 2018 19:13

Tgt Ion	122	Resp	616774
Ion Ratio	100	Lower	Upper
107	117.6	85.5	128.3
121	59.4	46.6	70.0

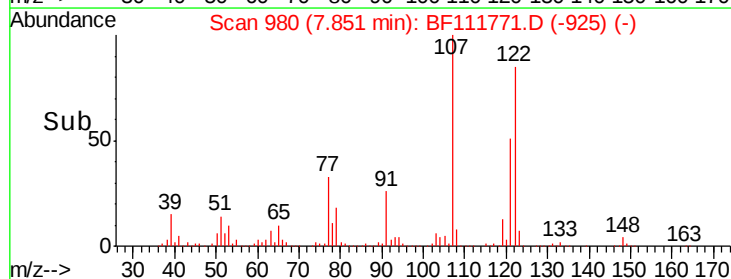
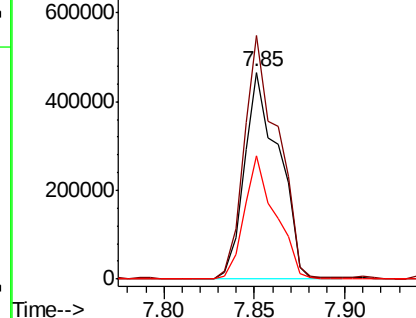


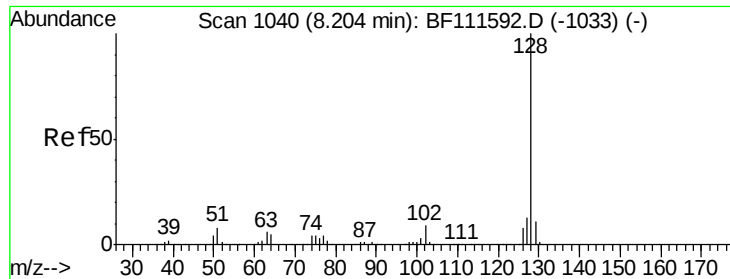
Abundance

Ion 122.00 (121.70 to 122.70): BF1

Ion 107.00 (106.70 to 107.70): BF1

Ion 121.00 (120.70 to 121.70): BF1

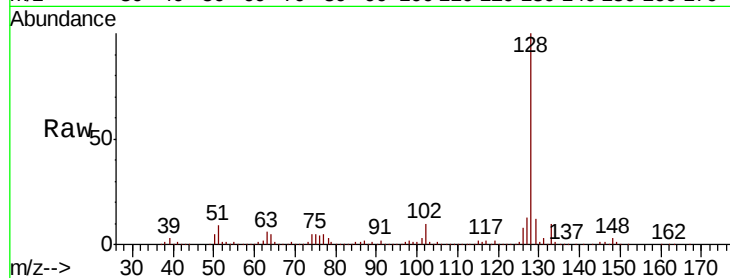




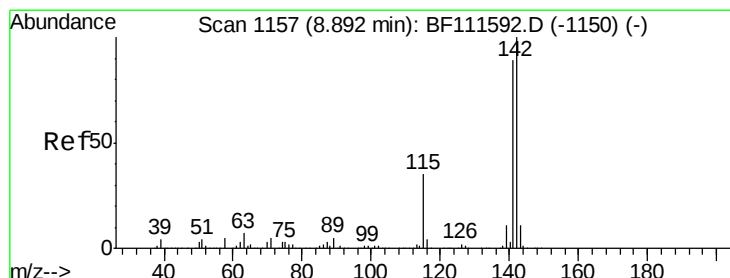
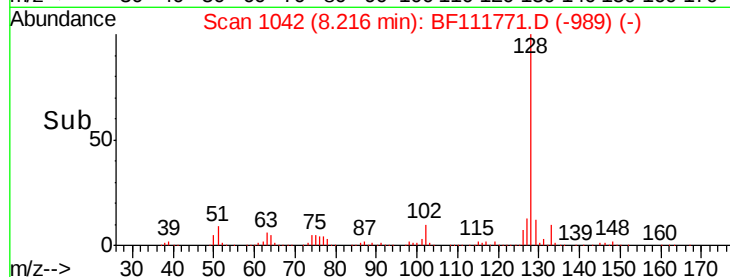
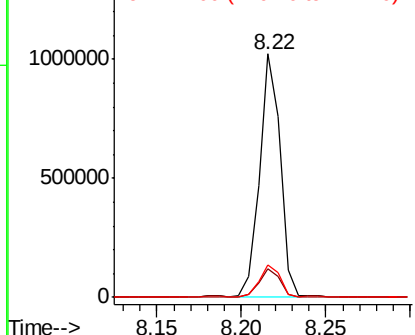
#31
Naphthalene
Concen: 44.656 ng
RT: 8.22 min Scan# 1042
Delta R.T. 0.01 min
Lab File: BF111771.D
Acq: 27 Dec 2018 19:13

Instrument :
BNA_F
ClientSampleId :
P001-DS002-01

Tot Ion:128 Resp: 877425
Ion Ratio Lower Upper
128 100
129 11.7 9.8 14.8
127 13.5 12.0 18.0

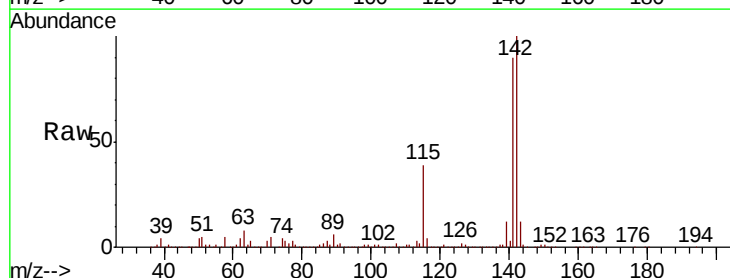


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

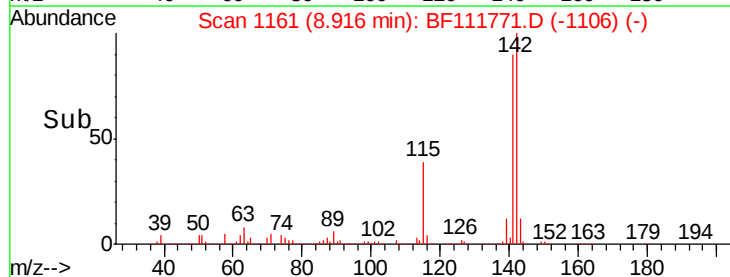
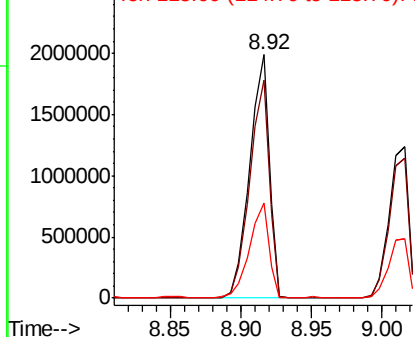


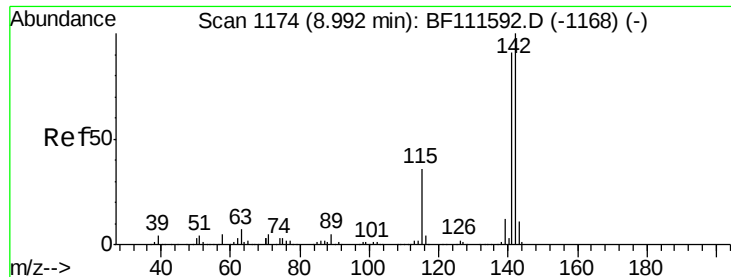
#37
2-Methylnaphthalene
Concen: 152.868 ng
RT: 8.92 min Scan# 1161
Delta R.T. 0.02 min
Lab File: BF111771.D
Acq: 27 Dec 2018 19:13

Tgt Ion:142 Resp: 1954175
Ion Ratio Lower Upper
142 100
141 89.6 70.6 105.8
115 39.3 27.0 40.6



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

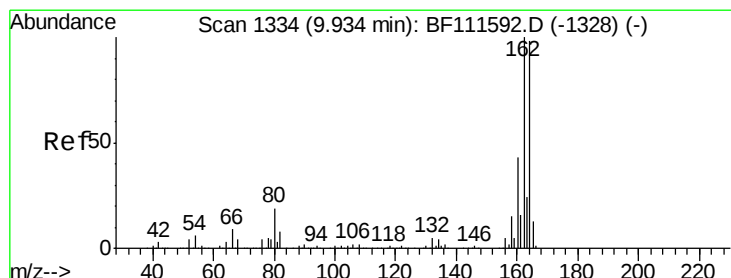
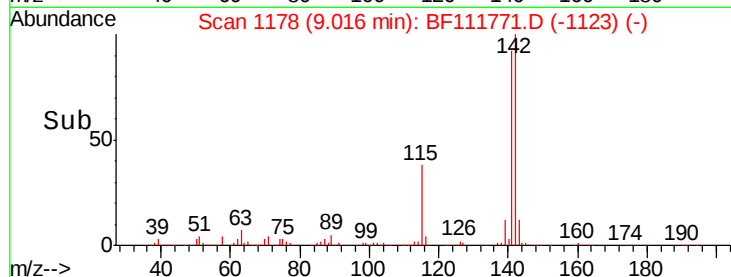
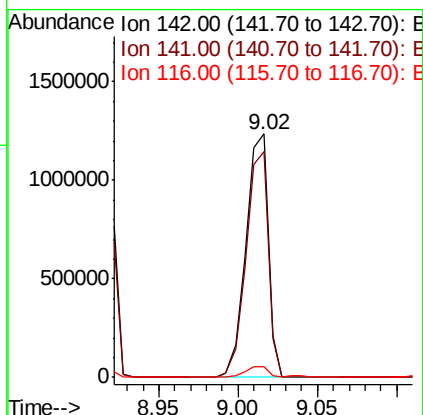
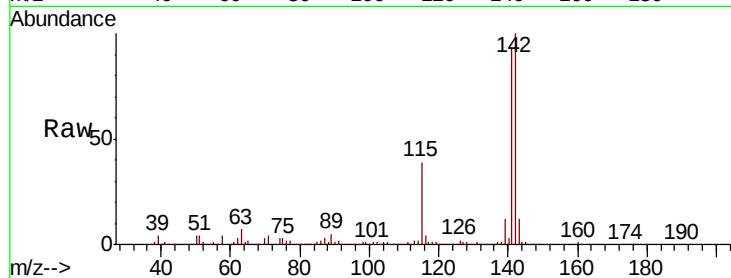




#38
1-Methylnaphthalene
Concen: 97.963 ng
RT: 9.02 min Scan# 1178
Delta R.T. 0.02 min
Lab File: BF111771.D
Acq: 27 Dec 2018 19:13

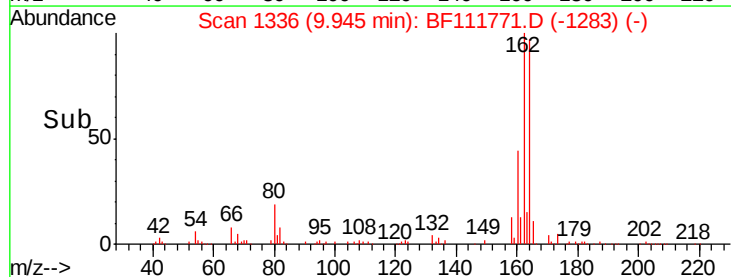
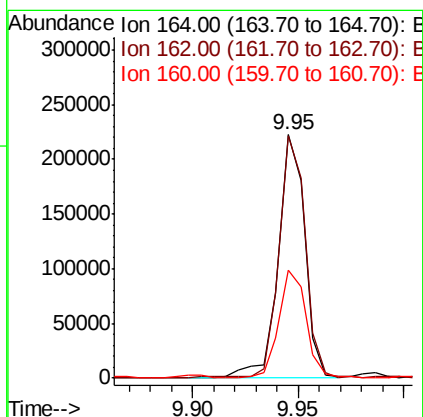
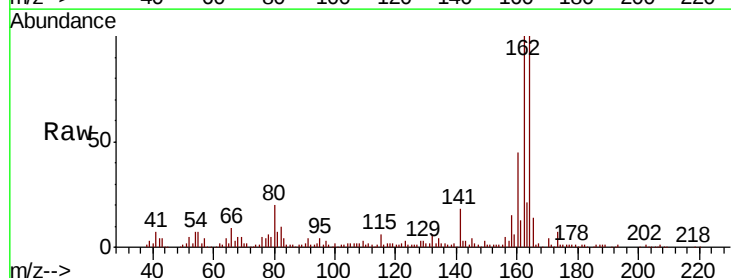
Instrument :
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P001-DS002-01

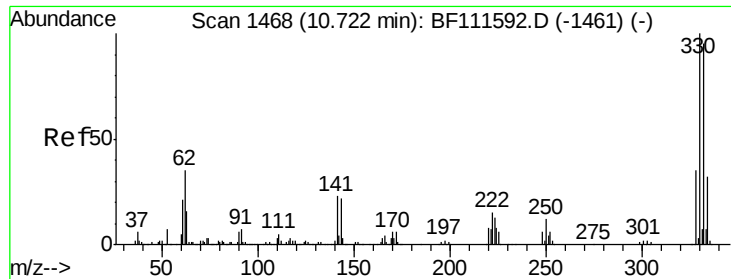
Tot Ion:142 Resp: 1202725
Ion Ratio Lower Upper
142 100
141 92.5 74.2 111.4
116 4.1 2.9 4.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.95 min Scan# 1336
Delta R.T. 0.01 min
Lab File: BF111771.D
Acq: 27 Dec 2018 19:13

Tgt Ion:164 Resp: 193987
Ion Ratio Lower Upper
164 100
162 99.7 81.4 122.0
160 44.5 35.7 53.5

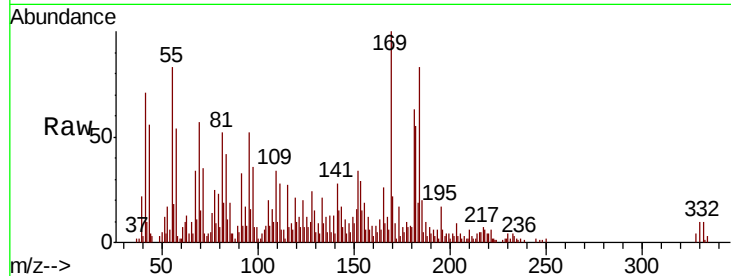




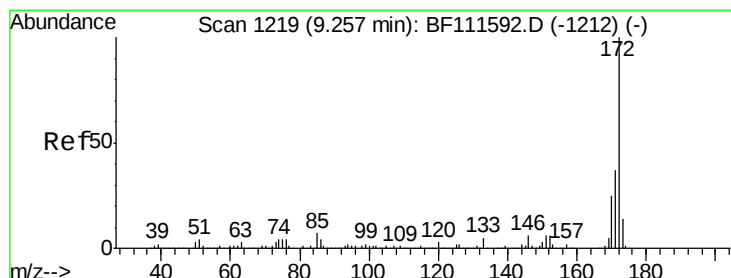
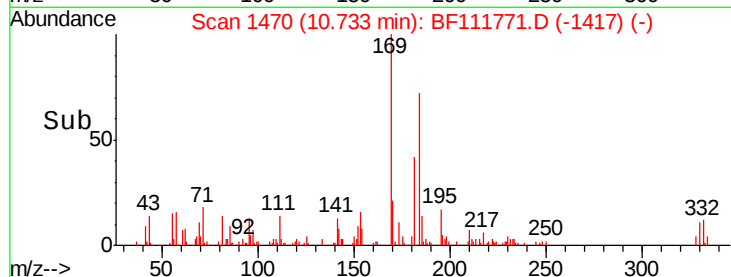
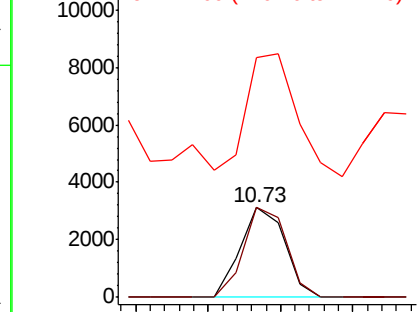
#42
 2,4,6-Tribromophenol
 Concen: 1.164 ng
 RT: 10.73 min Scan# 1470
 Delta R.T. 0.01 min
 Lab File: BF111771.D
 Acq: 27 Dec 2018 19:13

Instrument :
 BNA_F
 ClientSampleId :
 P001-DS002-01

Tot Ion:330 Resp: 2668
 Ion Ratio Lower Upper
 330 100
 332 96.2 76.0 114.0
 141 177.1 31.0 46.6#

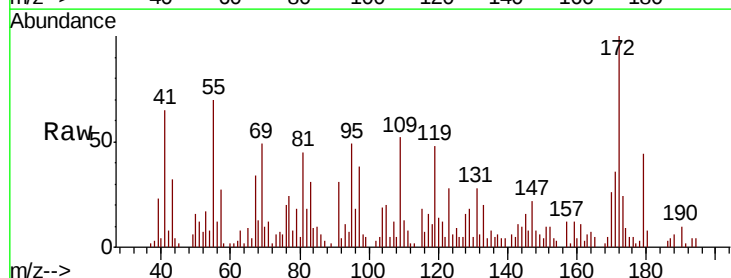


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

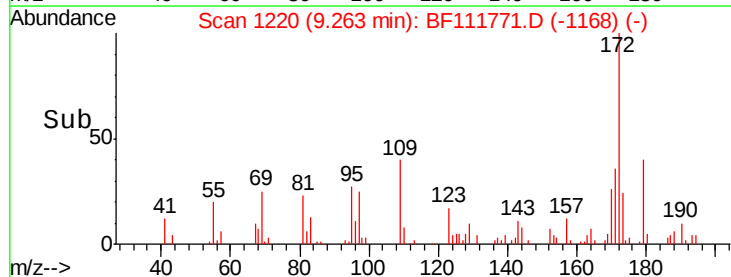
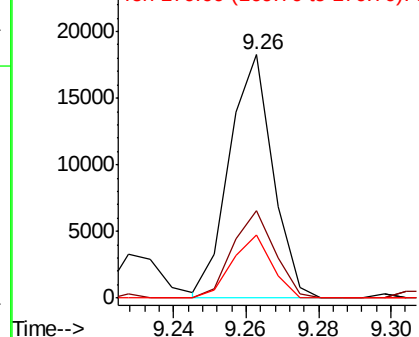


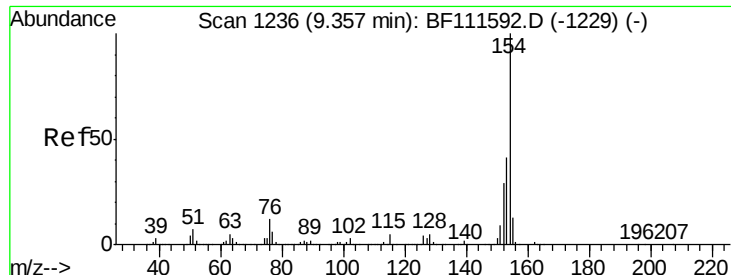
#45
 2-Fluorobiphenyl
 Concen: 1.142 ng
 RT: 9.26 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: BF111771.D
 Acq: 27 Dec 2018 19:13

Tgt Ion:172 Resp: 15205
 Ion Ratio Lower Upper
 172 100
 171 35.7 33.0 49.4
 170 26.1 22.3 33.5



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

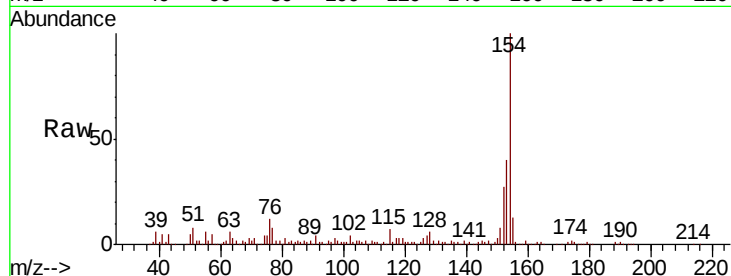




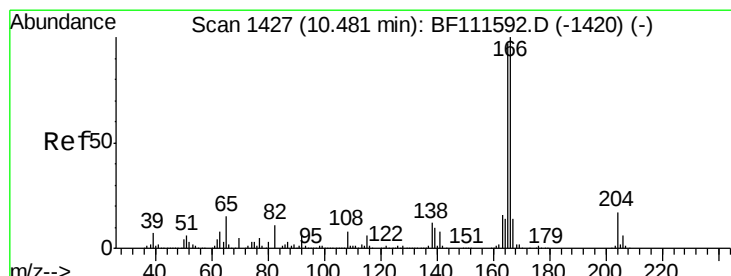
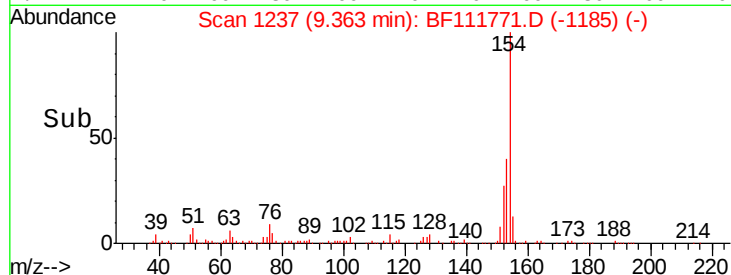
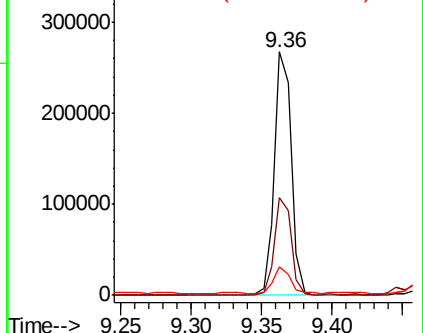
#46
 1,1'-Biphenyl
 Concen: 13.919 ng
 RT: 9.36 min Scan# 1237
 Delta R.T. 0.01 min
 Lab File: BF111771.D
 Acq: 27 Dec 2018 19:13

Instrument :
 BNA_F
 ClientSampleId :
 P001-DS002-01

Tot Ion	Ratio	Lower	Upper
154	100		
153	39.9	23.7	63.7
76	12.0	0.0	35.0

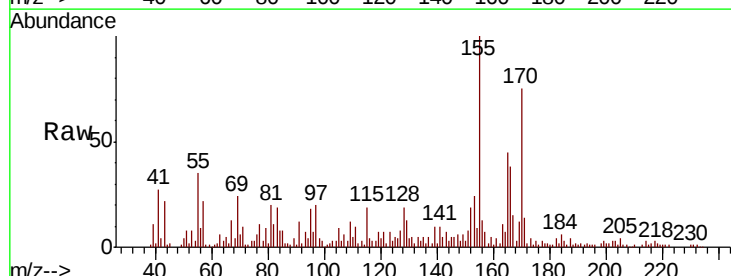


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

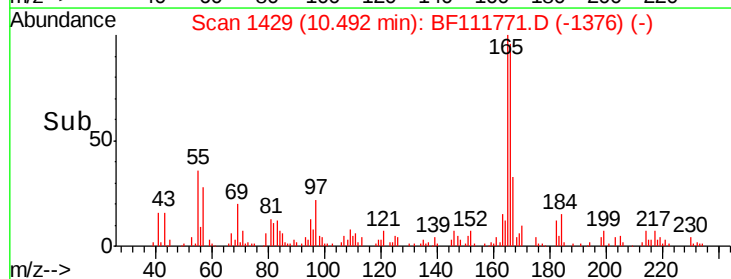
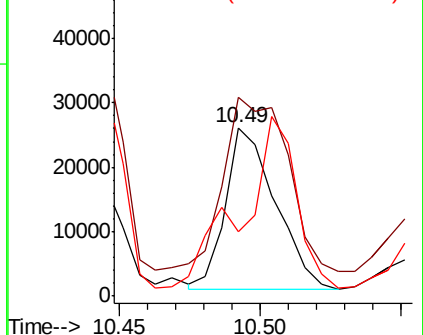


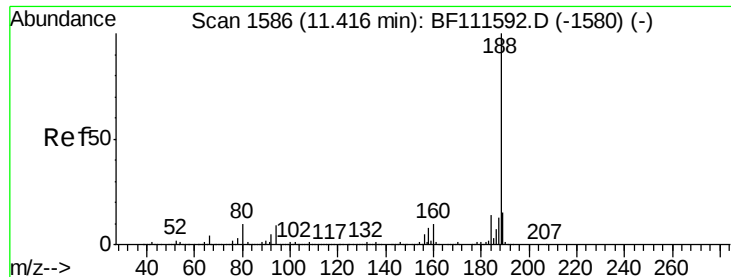
#58
 Fluorene
 Concen: 2.429 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. 0.01 min
 Lab File: BF111771.D
 Acq: 27 Dec 2018 19:13

Tgt Ion	Ratio	Lower	Upper
166	100		
165	118.1	78.4	117.6#
167	38.4	11.2	16.8#



Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

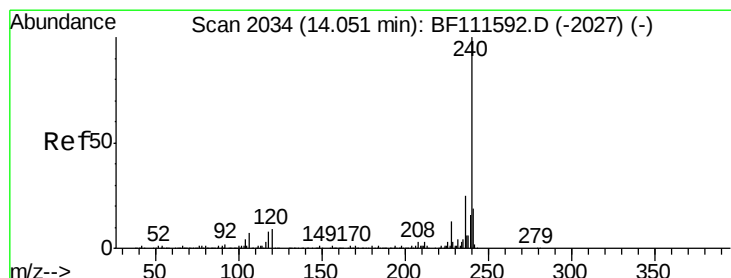
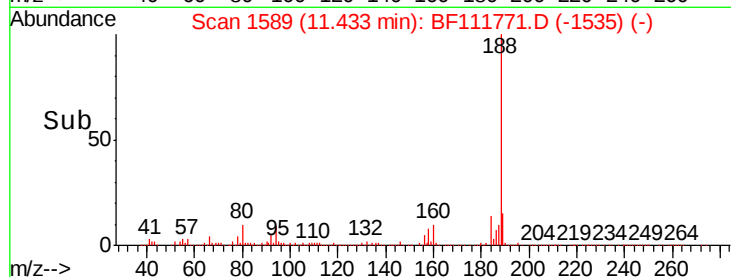
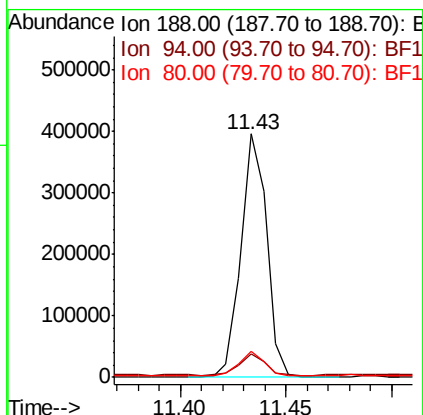
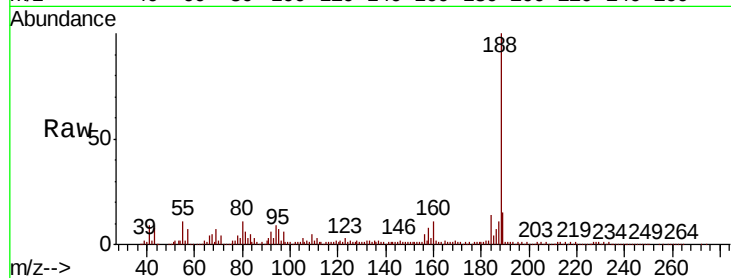




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.43 min Scan# 1589
Delta R.T. 0.02 min
Lab File: BF111771.D
Acq: 27 Dec 2018 19:13

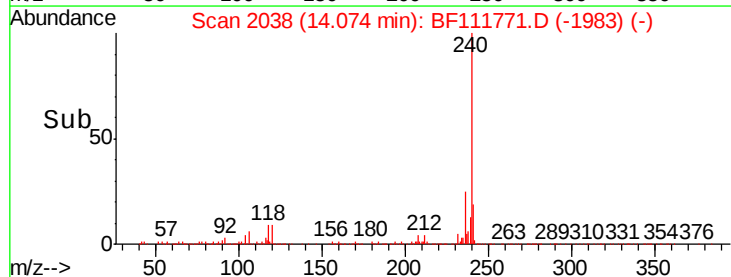
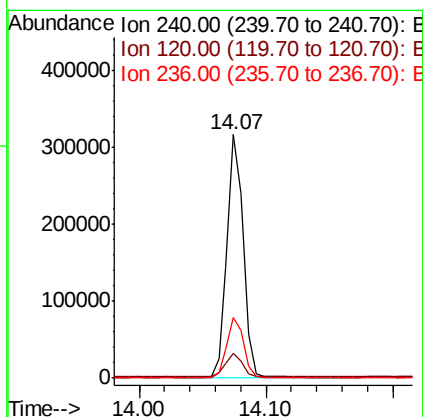
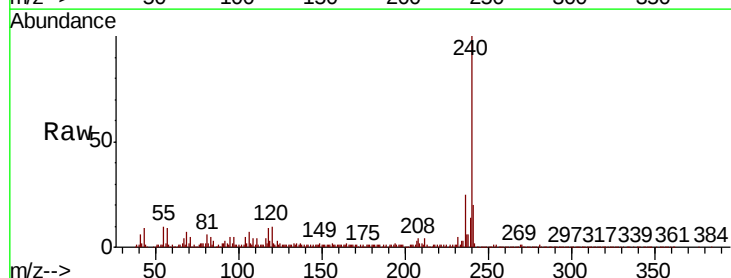
Instrument :
BNA_F
ClientSampleId :
P001-DS002-01

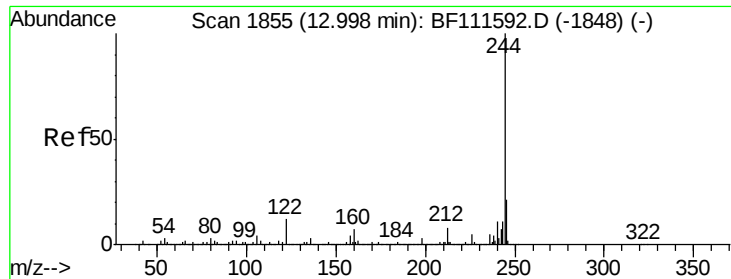
Tot Ion:188 Resp: 331423
Ion Ratio Lower Upper
188 100
94 9.4 9.6 14.4#
80 10.5 9.8 14.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.07 min Scan# 2038
Delta R.T. 0.02 min
Lab File: BF111771.D
Acq: 27 Dec 2018 19:13

Tgt Ion:240 Resp: 278727
Ion Ratio Lower Upper
240 100
120 9.9 12.2 18.2#
236 25.0 20.2 30.2

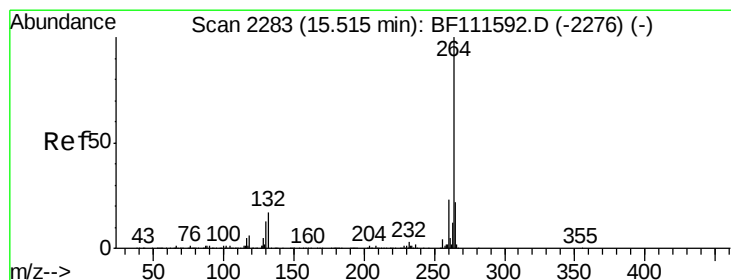
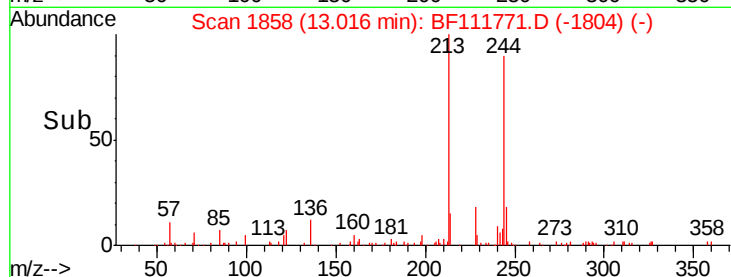
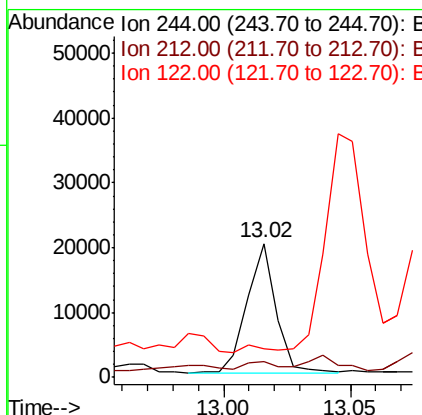
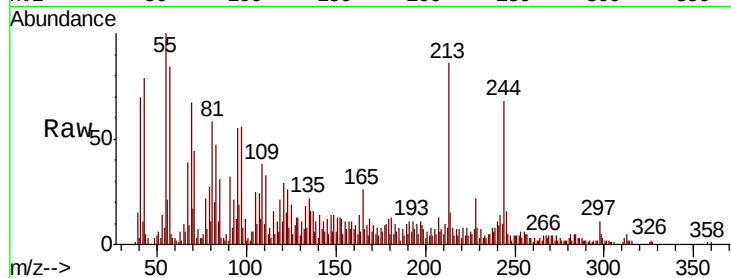




#79
 Terphenyl-d14
 Concen: 1.085 ng
 RT: 13.02 min Scan# 1858
 Delta R.T. 0.02 min
 Lab File: BF111771.D
 Acq: 27 Dec 2018 19:13

Instrument :
 BNA_F
 ClientSampleId :
 P001-DS002-01

Tot Ion:244 Resp: 15944
 Ion Ratio Lower Upper
 244 100
 212 11.6 5.7 8.5#
 122 21.3 13.1 19.7#



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.57 min Scan# 2292
 Delta R.T. 0.05 min
 Lab File: BF111771.D
 Acq: 27 Dec 2018 19:13

Tgt Ion:264 Resp: 207270
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.3 27.5
 265 21.3 17.7 26.5

