

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
 Data File : BF116033.D
 Acq On : 7 Aug 2019 00:15
 Operator : HP/JU
 Sample : K4130-26
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1S-F1-F4-COMP-(30)

Quant Time: Aug 07 06:04:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	123191	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	465155	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	241269	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	413626	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	307949	20.00	ng	-0.03
87) Perylene-d12	15.46	264	370647	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	867056	117.83	ng	0.00
7) Phenol-d6	6.48	99	1012769	109.08	ng	0.00
23) Nitrobenzene-d5	7.40	82	808398	100.32	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	322611	137.92	ng	-0.02
45) 2-Fluorobiphenyl	9.20	172	1376337	106.85	ng	-0.02
79) Terphenyl-d14	12.95	244	1416114	96.90	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) n-Nitrosodimethylamine	3.31	42	237	0.058	ng	# 1
6) Aniline	6.62	93	1154	0.087	ng	# 1
8) 2-Chlorophenol	6.63	128	223	0.027	ng	# 1
9) Benzaldehyde	6.48	77	1326	0.207	ng	# 1
10) Phenol	6.49	94	1736	0.159	ng	# 1
11) bis(2-Chloroethyl)ether	6.62	93	1154	0.144	ng	# 1
15) Benzyl Alcohol	7.00	79	13297	1.887	ng	# 46
16) 2,2'-oxybis(1-Chloropropan	7.10	45	107	0.010	ng	# 65
18) Hexachloroethane	7.41	117	107	0.031	ng	# 1
22) Acetophenone	7.27	105	531	0.052	ng	# 52
24) Nitrobenzene	7.40	77	2328	0.268	ng	# 37
31) Naphthalene	8.15	128	27829	1.271	ng	# 99
33) 4-Chloroaniline	8.15	127	3263	0.334	ng	# 31
37) 2-Methylnaphthalene	8.85	142	4155	0.288	ng	# 93
38) 1-Methylnaphthalene	8.94	142	2410	0.177	ng	# 84
46) 1,1'-Biphenyl	9.30	154	3298	0.194	ng	# 92
48) 2-Nitroaniline	9.20	65	2315	0.494	ng	# 1
49) Acenaphthylene	9.74	152	122	0.006	ng	# 59
50) Dimethylphthalate	9.59	163	7384	0.449	ng	# 93
52) Acenaphthene	9.91	154	1760	0.139	ng	# 91
55) Dibenzofuran	10.09	168	1639	0.089	ng	# 89
56) 4-Nitrophenol	10.09	139	461	0.163	ng	# 8
58) Fluorene	10.43	166	1494	0.105	ng	# 96
60) Diethylphthalate	10.29	149	926	0.060	ng	# 58
63) Azobenzene	10.66	77	1478	0.094	ng	# 10
65) 4,6-Dinitro-2-methylphenol	10.66	198	655	0.299	ng	# 1
66) n-Nitrosodiphenylamine	10.66	169	9645	0.775	ng	# 47
71) Phenanthrene	11.39	178	3844	0.182	ng	# 98
72) Anthracene	11.39	178	3844	0.180	ng	# 98
74) Di-n-butylphthalate	11.92	149	4334	0.191	ng	# 92
75) Fluoranthene	12.58	202	609	0.028	ng	# 64
77) Benzydine	12.95	184	19261	1.851	ng	# 97
78) Pvrene	12.81	202	504	0.022	ng	# 31
80) Butylbenzylphthalate	13.42	149	240	0.024	ng	# 70

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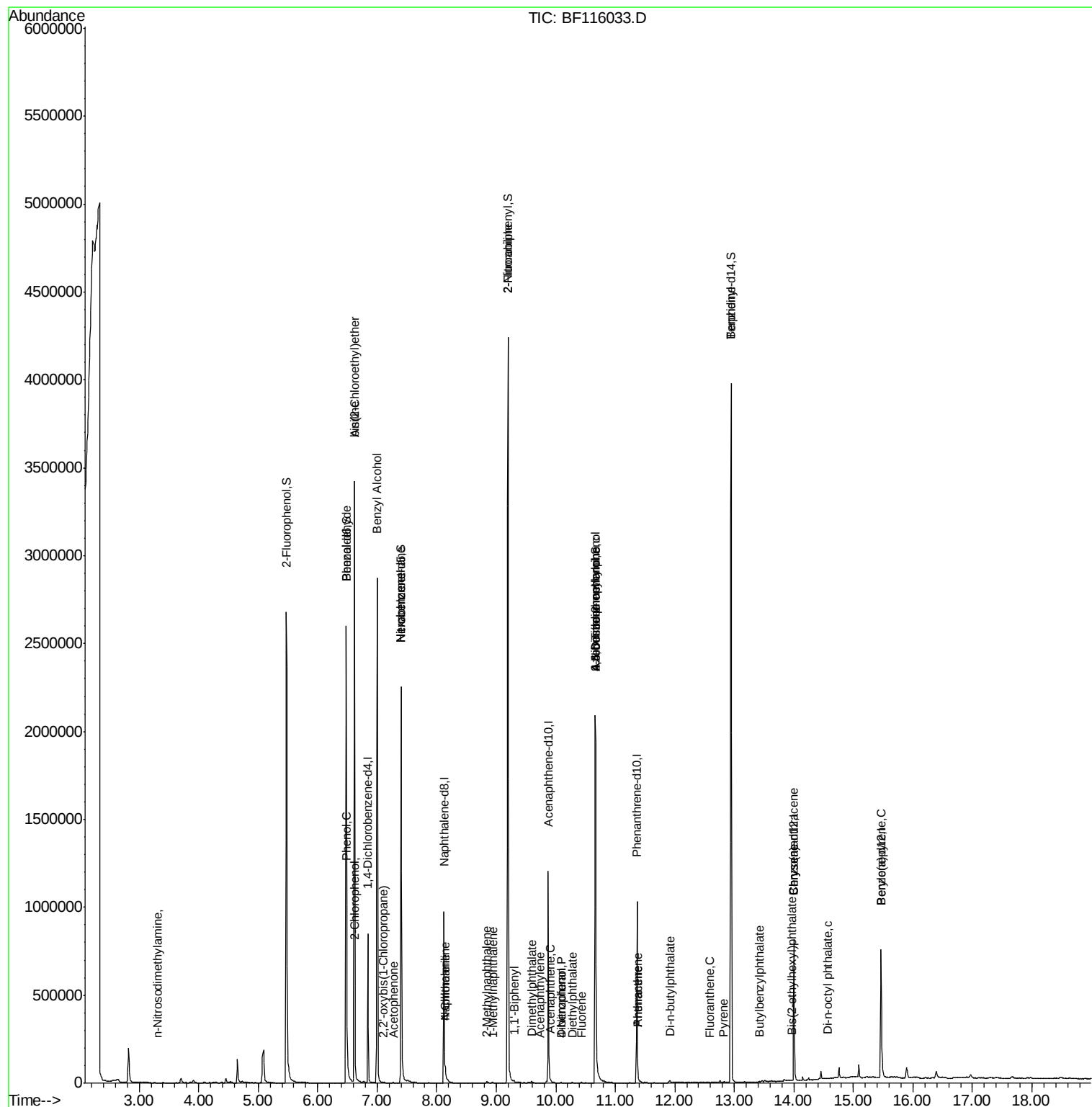
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) Benzo(a)anthracene	14.00	228	908	0.046	ng	# 51
83) Chrysene	14.00	228	908	0.048	ng	# 48
84) Bis(2-ethylhexyl)phthalate	13.97	149	1559	0.122	ng	# 97
85) Di-n-octyl phthalate	14.57	149	677	0.033	ng	# 7
90) Benzo(a)pyrene	15.46	252	1274	0.066	ng	# 24

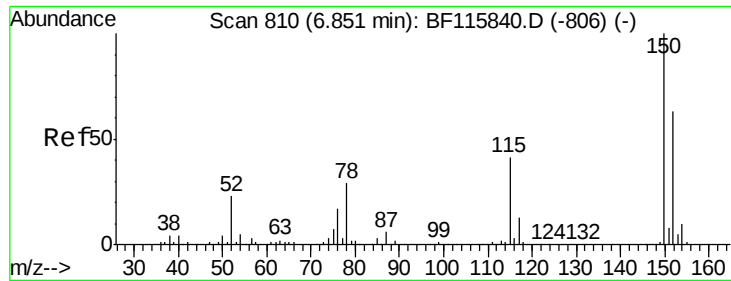
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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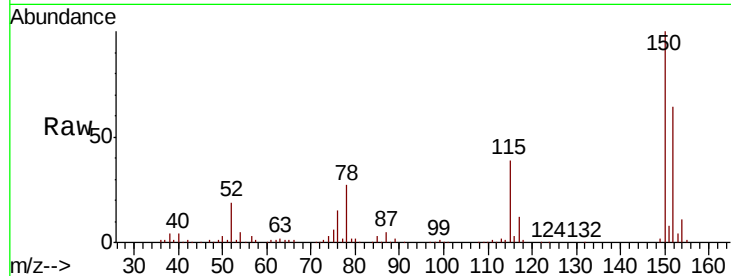


#1

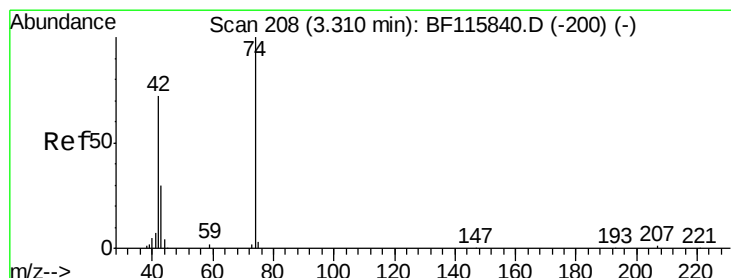
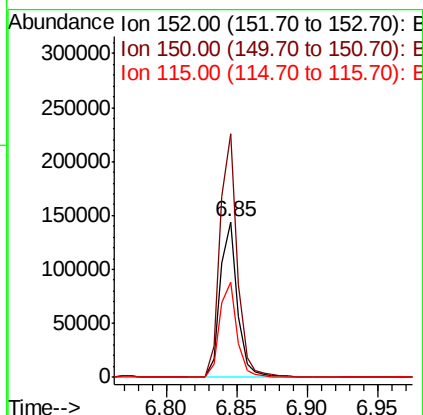
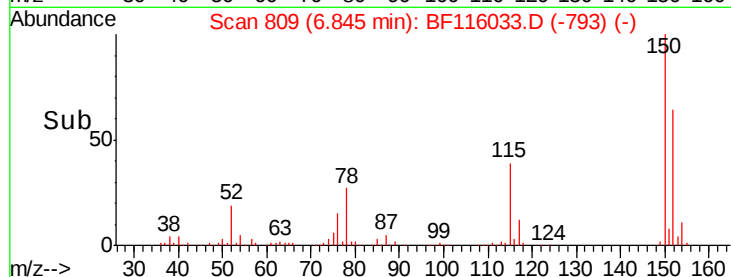
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BF116033.D
 Acq: 7 Aug 2019 00:15

Instrument :
 BNA_F
 ClientSampleId :
 1S-F1-F4-COMP-(30)

Tot Ion:152 Resp: 123191
 Ion Ratio Lower Upper
 152 100
 150 156.3 127.4 191.0
 115 61.2 51.8 77.8



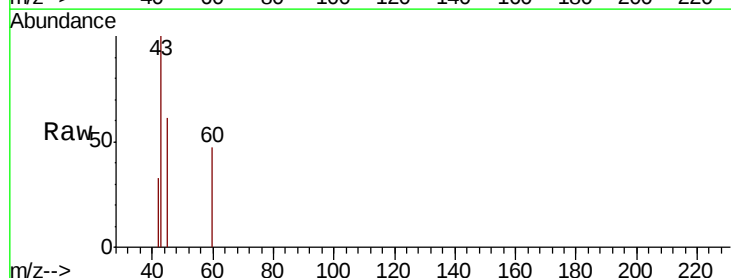
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



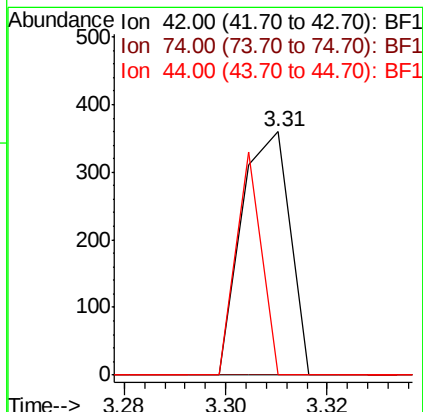
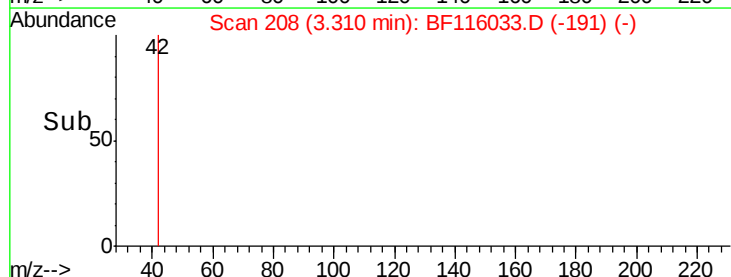
#4

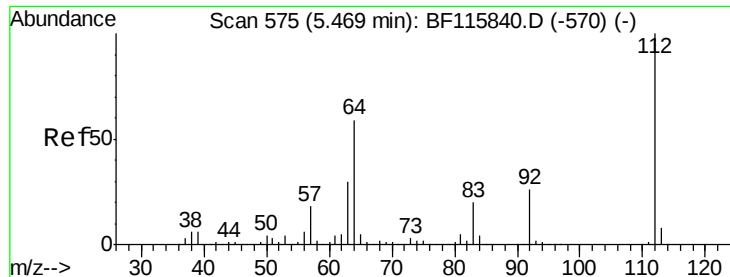
n-Nitrosodimethylamine
 Concen: 0.058 ng
 RT: 3.31 min Scan# 208
 Delta R.T. 0.00 min
 Lab File: BF116033.D
 Acq: 7 Aug 2019 00:15

Tgt Ion: 42 Resp: 237
 Ion Ratio Lower Upper
 42 100
 74 0.0 111.0 166.4#
 44 0.0 4.7 7.1#



Abundance Ion 42.00 (41.70 to 42.70): BF1
 Ion 74.00 (73.70 to 74.70): BF1
 Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 117.826 ng

RT: 5.47 min Scan# 576

Delta R.T. 0.01 min

Lab File: BF116033.D

Acq: 7 Aug 2019 00:15

Instrument :

BNA_F

ClientSampleId :

1S-F1-F4-COMP-(30)

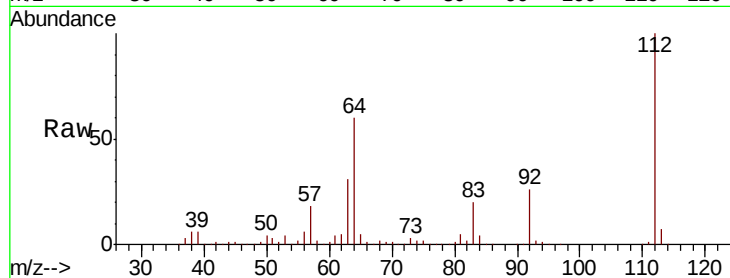
Tot Ion:112 Resp: 867056

Ion Ratio Lower Upper

112 100

64 60.0 46.8 70.2

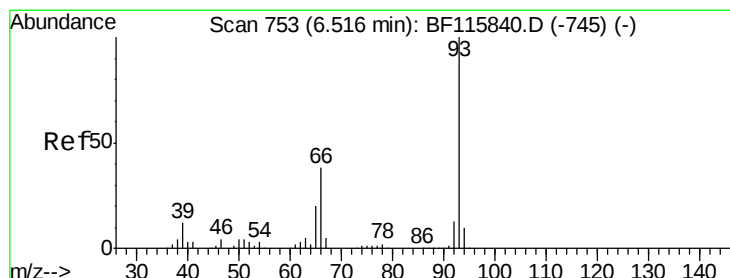
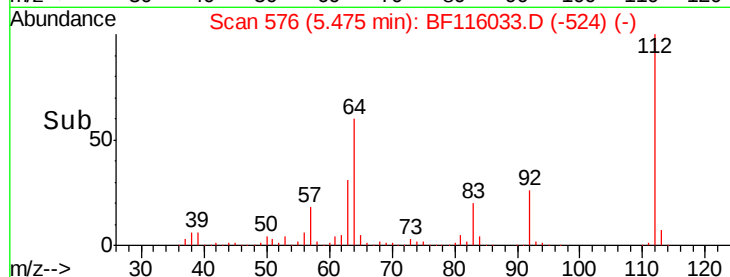
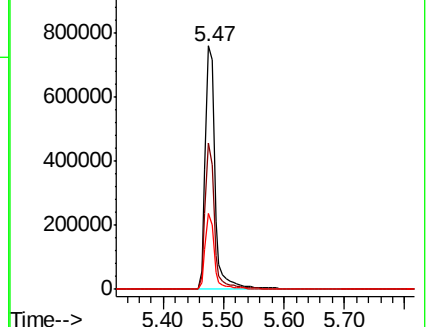
63 31.4 24.2 36.2



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



#6

Aniline

Concen: 0.087 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.10 min

Lab File: BF116033.D

Acq: 7 Aug 2019 00:15

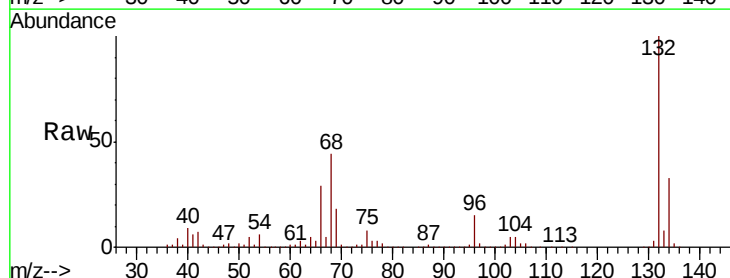
Tgt Ion: 93 Resp: 1154

Ion Ratio Lower Upper

93 100

66 20856.9 31.4 47.0#

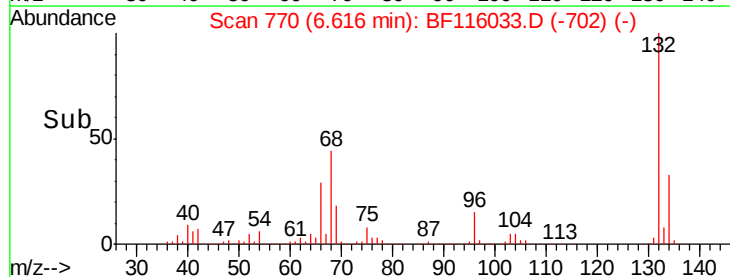
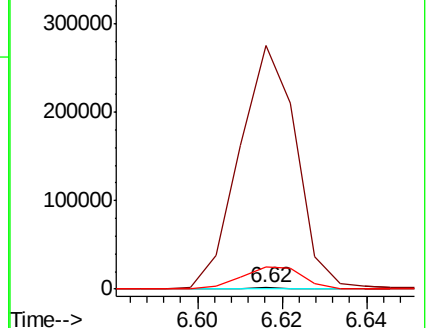
65 1870.7 16.5 24.7#

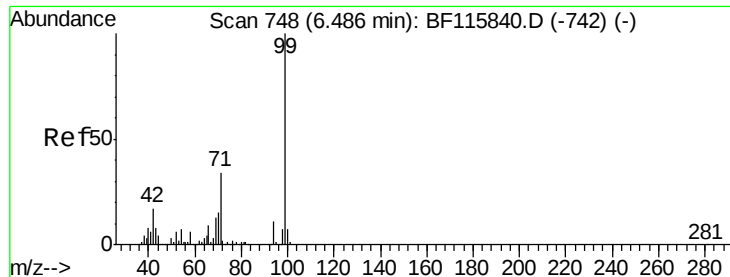


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 109.082 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116033.D

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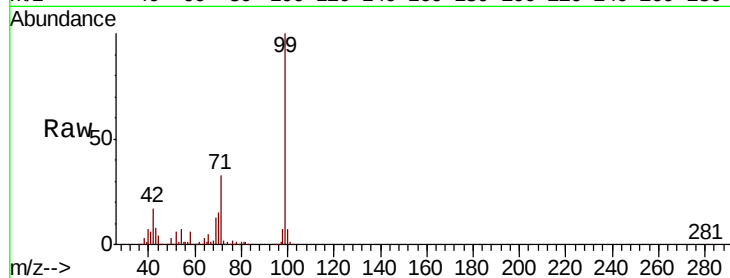
Tot Ion: 99 Resp: 1012769

Ion Ratio Lower Upper

99 100

42 16.9 13.8 20.6

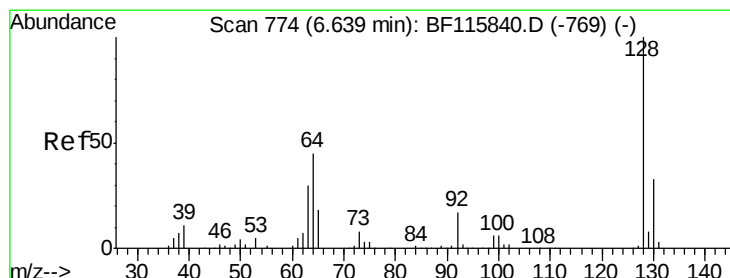
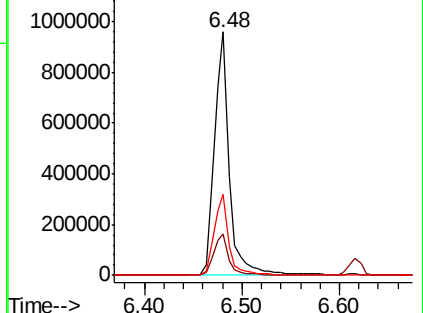
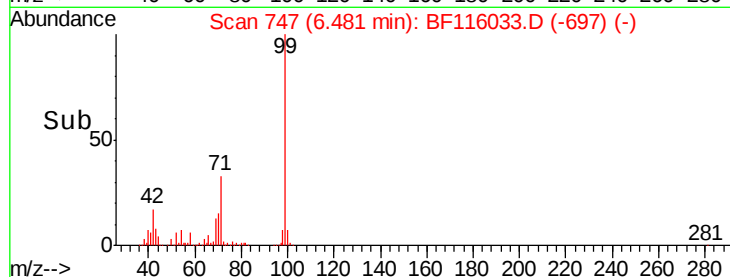
71 33.3 27.1 40.7



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



#8

2-Chlorophenol

Concen: 0.027 ng

RT: 6.63 min Scan# 773

Delta R.T. -0.01 min

Lab File: BF116033.D

Acq: 7 Aug 2019 00:15

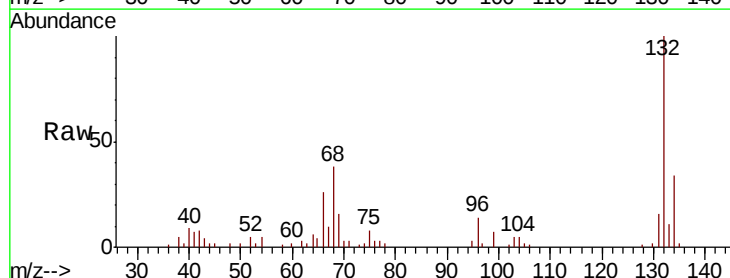
Tgt Ion: 128 Resp: 223

Ion Ratio Lower Upper

128 100

130 126.7 12.9 52.9#

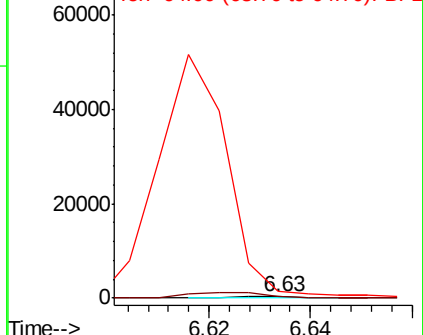
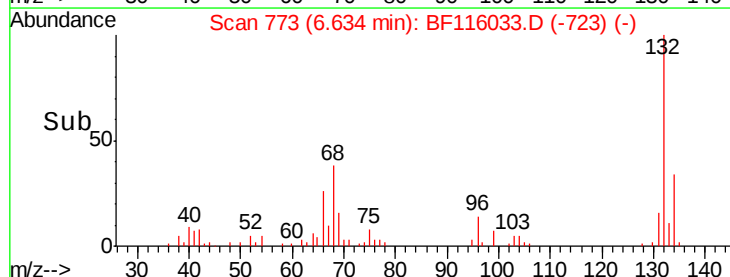
64 464.6 26.1 66.1#

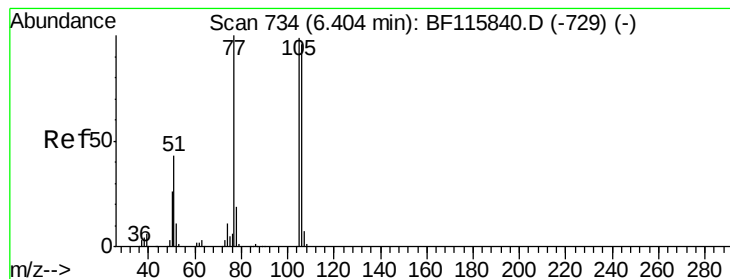


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 0.207 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.08 min

Lab File: BF116033.D

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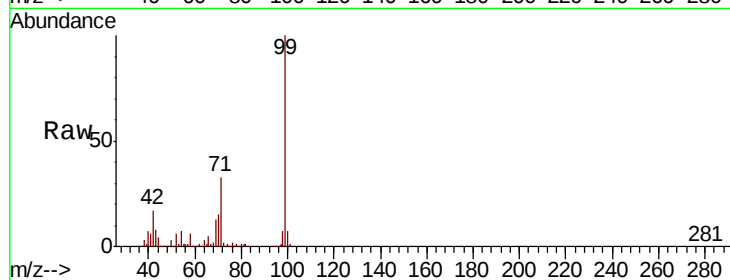
Tot Ion: 77 Resp: 1326

Ion Ratio Lower Upper

77 100

105 0.0 79.0 119.0#

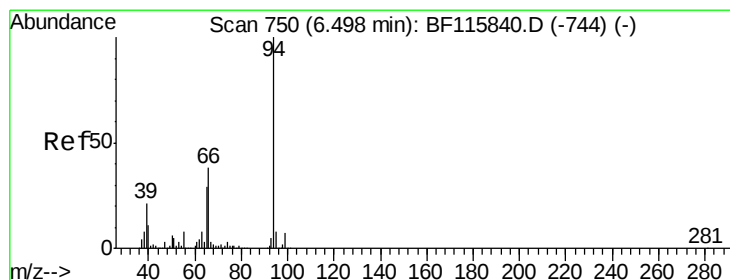
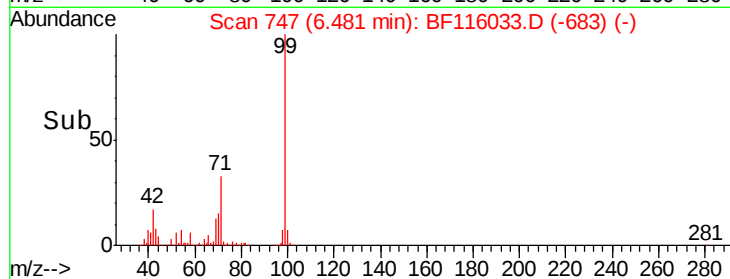
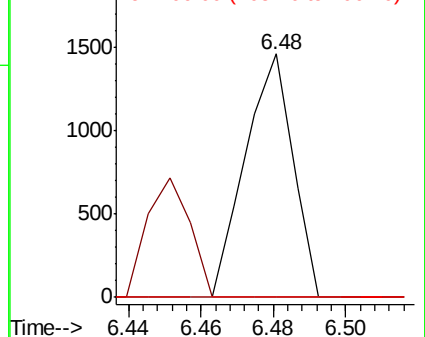
106 0.0 76.2 116.2#



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 0.159 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF116033.D

Acq: 7 Aug 2019 00:15

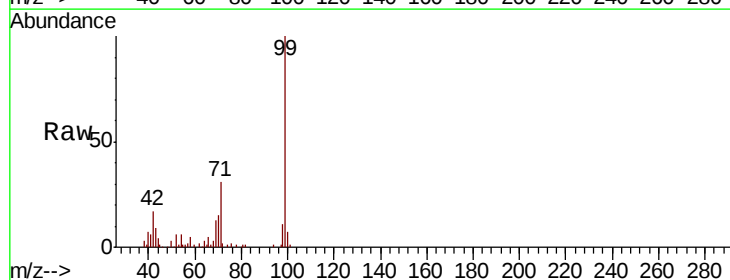
Tgt Ion: 94 Resp: 1736

Ion Ratio Lower Upper

94 100

65 95.3 8.9 48.9#

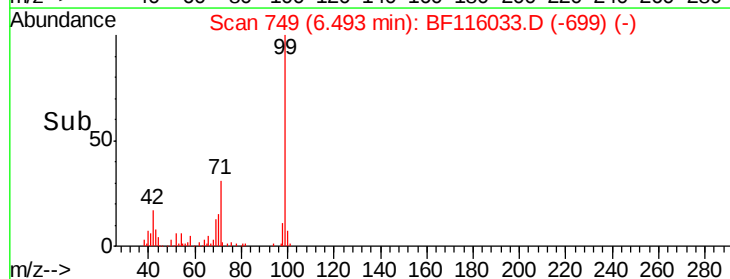
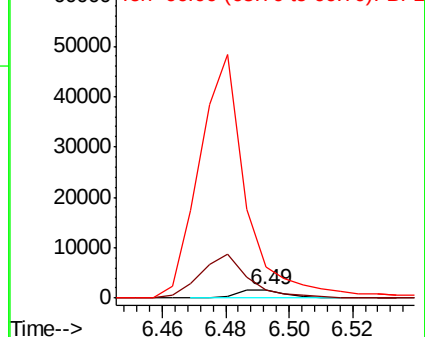
66 361.3 18.0 58.0#

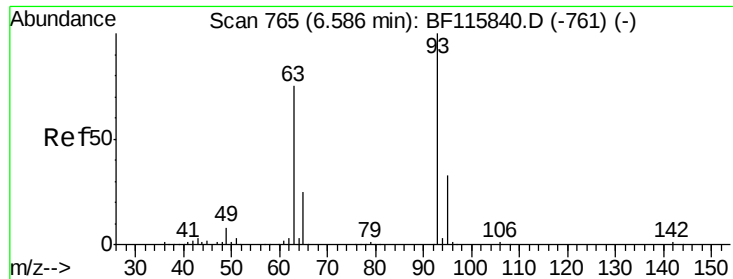


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

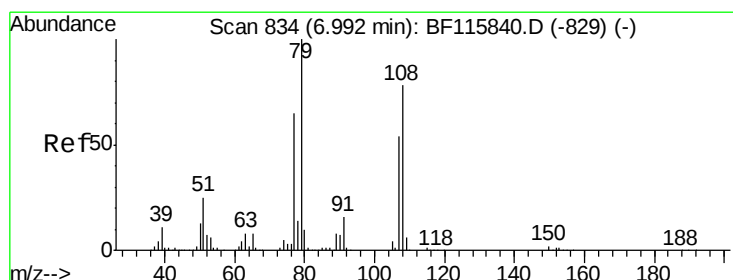
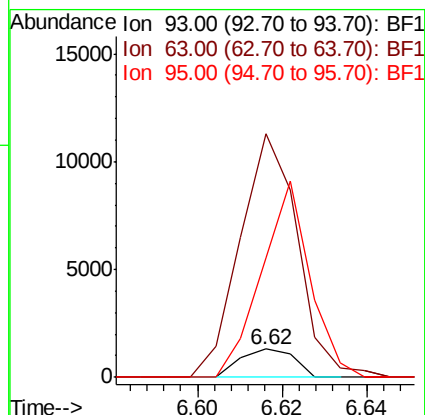
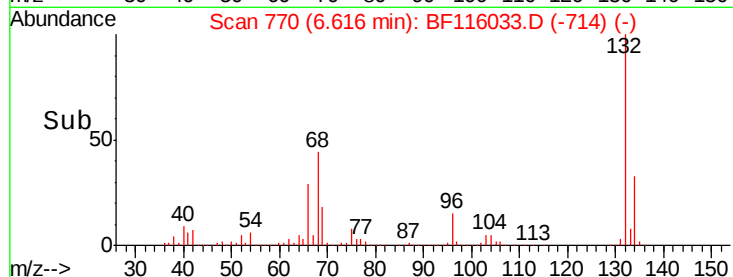
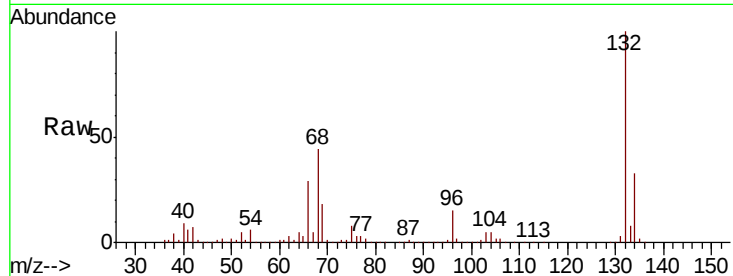




#11
bis(2-Chloroethyl)ether
Concen: 0.144 ng
RT: 6.62 min Scan# 770
Delta R.T. 0.03 min
Lab File: BF116033.D
Acq: 7 Aug 2019 00:15

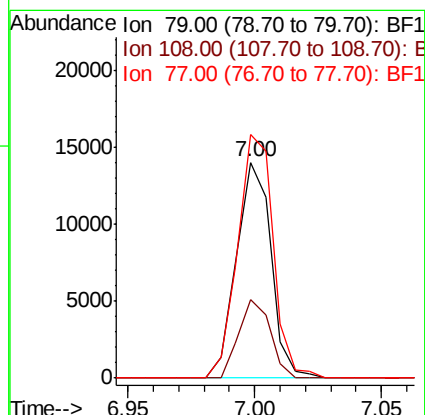
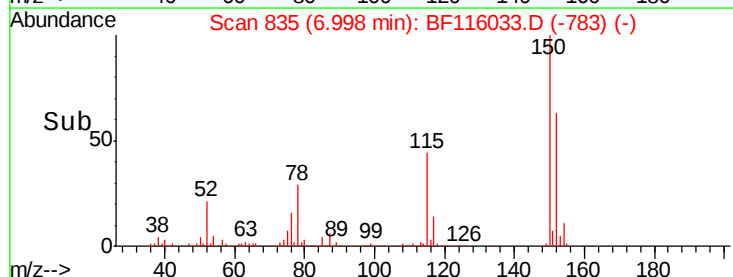
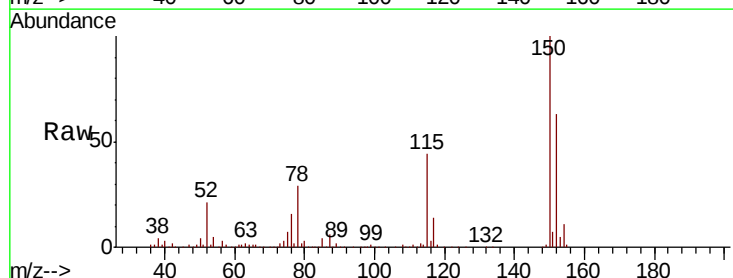
Instrument :
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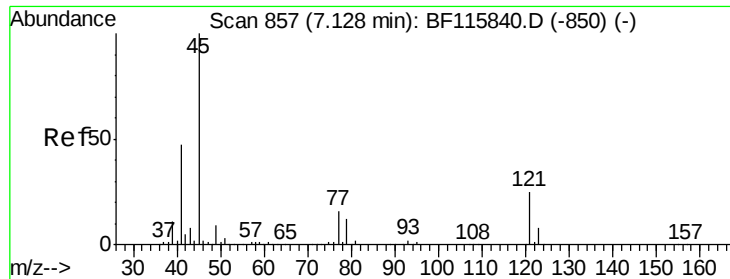
Tot Ion: 93 Resp: 1154
Ion Ratio Lower Upper
93 100
63 854.7 54.9 94.9#
95 418.5 13.3 53.3#



#15
Benzyl Alcohol
Concen: 1.887 ng
RT: 7.00 min Scan# 835
Delta R.T. 0.01 min
Lab File: BF116033.D
Acq: 7 Aug 2019 00:15

Tgt Ion: 79 Resp: 13297
Ion Ratio Lower Upper
79 100
108 36.5 62.8 94.2#
77 112.8 52.0 78.0#

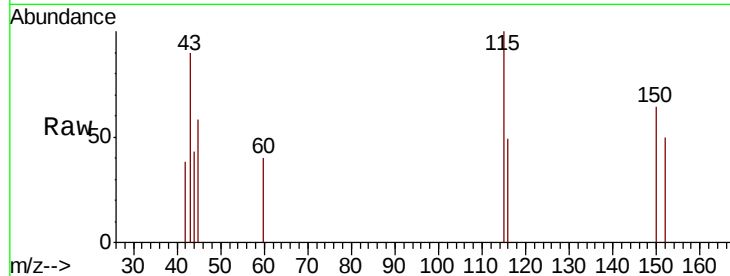




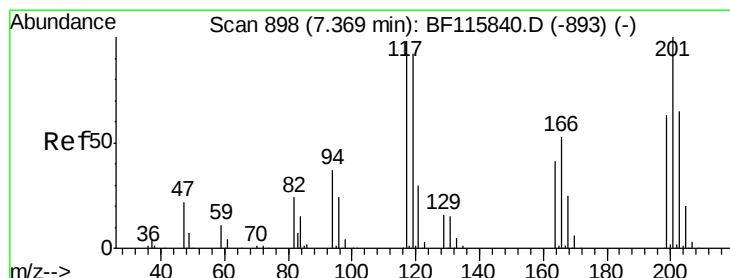
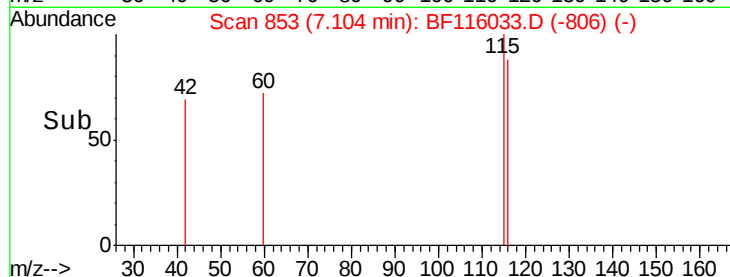
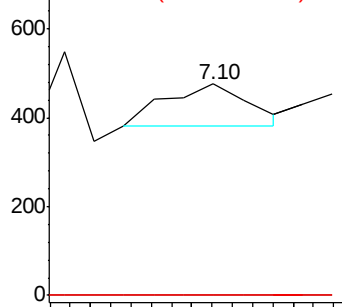
#16
2,2'-oxvbis(1-Chloropropane)
Concen: 0.010 ng
RT: 7.10 min Scan# 853
Delta R.T. -0.02 min
Lab File: BF116033.D
Acq: 7 Aug 2019 00:15

Instrument :
BNA_F
ClientSampleId :
1S-F1-F4-COMP-(30)

Tot Ion	Ratio	Lower	Upper
45	100		
77	0.0	0.0	36.3
79	0.0	0.0	32.5

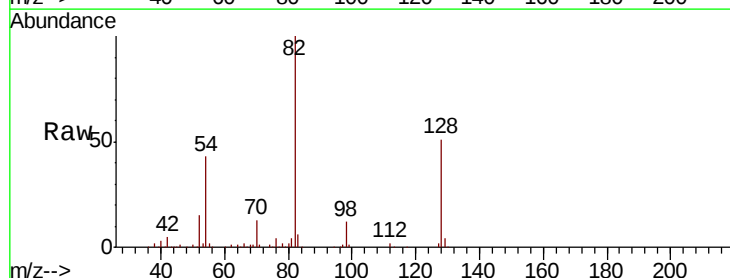


Abundance Ion 45.00 (44.70 to 45.70): BF1
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

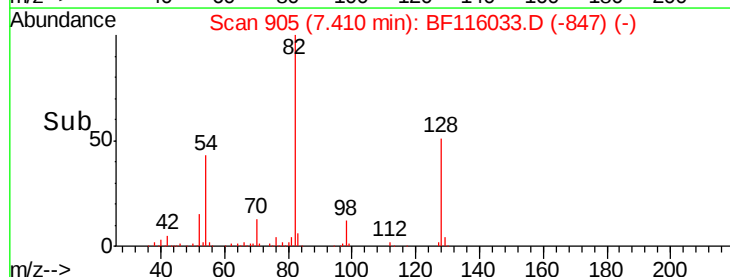
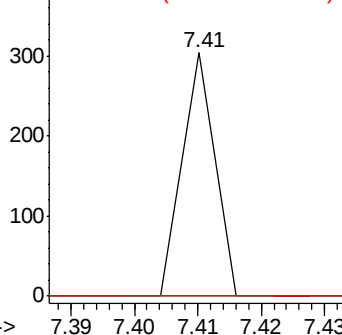


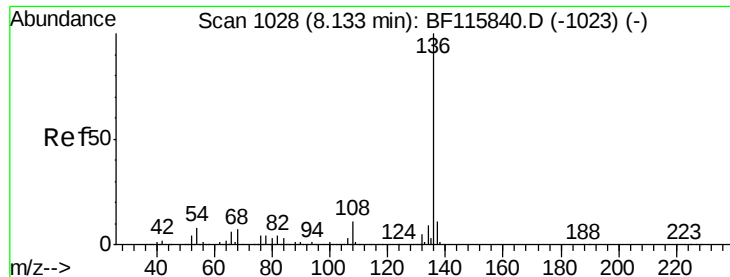
#18
Hexachloroethane
Concen: 0.031 ng
RT: 7.41 min Scan# 905
Delta R.T. 0.04 min
Lab File: BF116033.D
Acq: 7 Aug 2019 00:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	0.0	75.8	113.6#
201	0.0	82.0	123.0#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF116033.D

Acq: 7 Aug 2019 00:15

Instrument :

BNA_F

ClientSampleId :

1S-F1-F4-COMP-(30)

Tot Ion:136 Resp: 465155

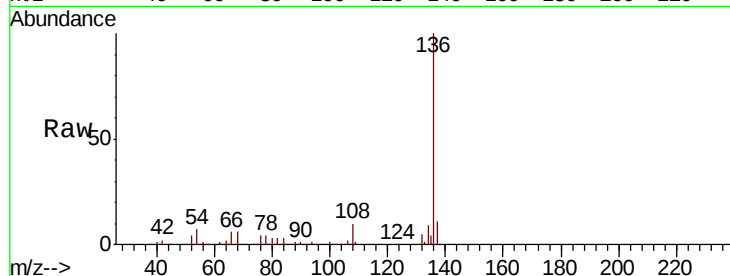
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 7.0 6.1 9.1

68 6.1 5.4 8.2

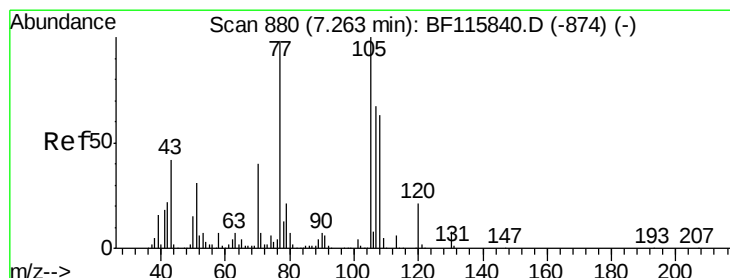
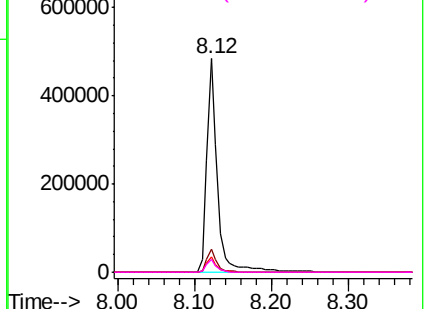
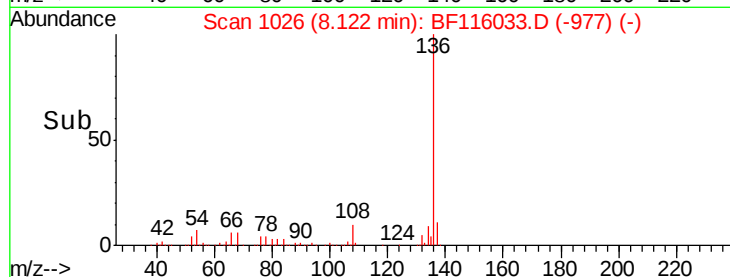


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 0.052 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.01 min

Lab File: BF116033.D

Acq: 7 Aug 2019 00:15

Tgt Ion:105 Resp: 531

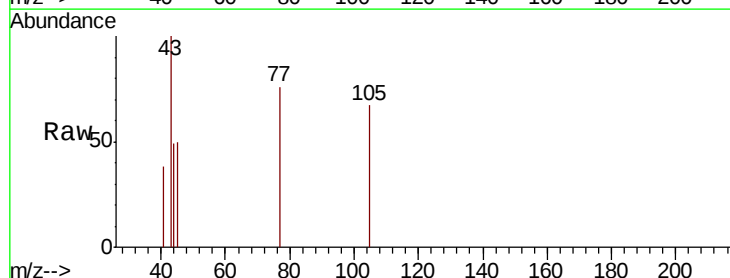
Ion Ratio Lower Upper

105 100

71 0.0 5.4 8.0#

51 0.0 24.6 36.8#

120 0.0 17.0 25.6#

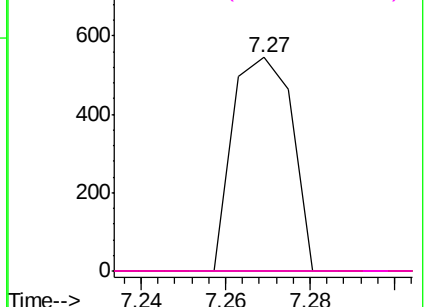
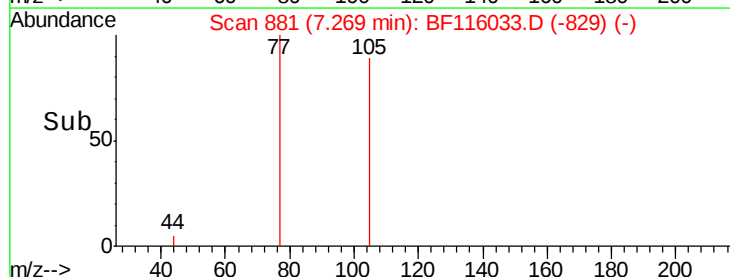


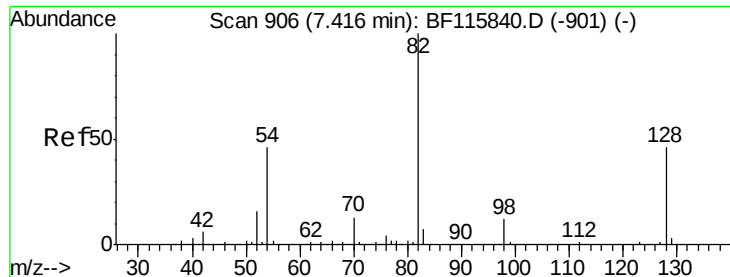
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

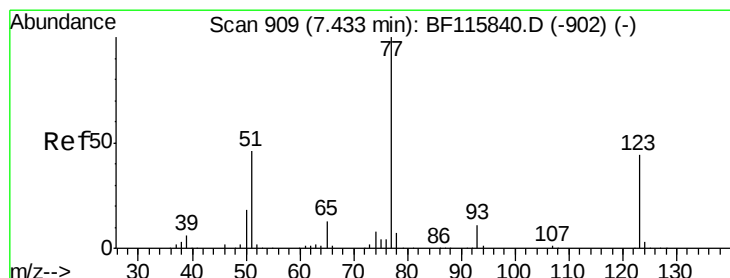
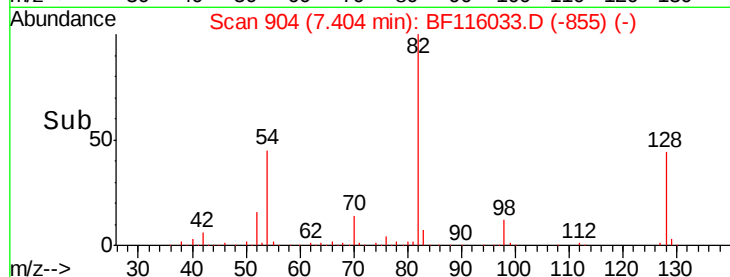
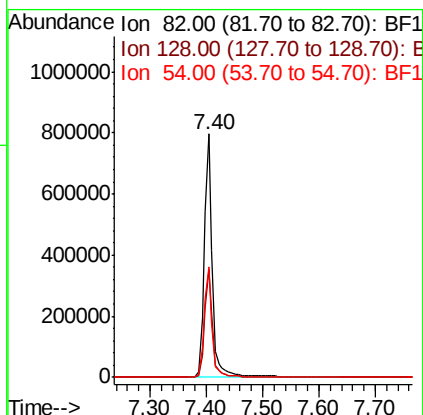
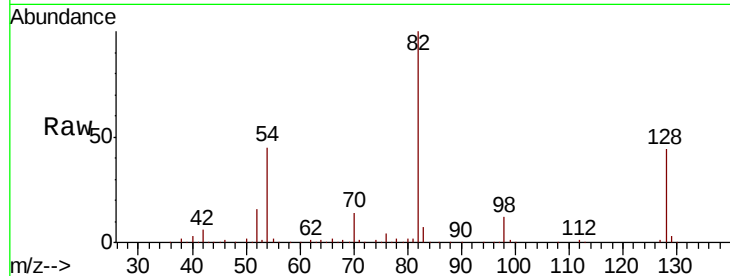




#23
 Nitrobenzene-d5
 Concen: 100.318 ng
 RT: 7.40 min Scan# 904
 Delta R.T. -0.01 min
 Lab File: BF116033.D
 Acq: 7 Aug 2019 00:15

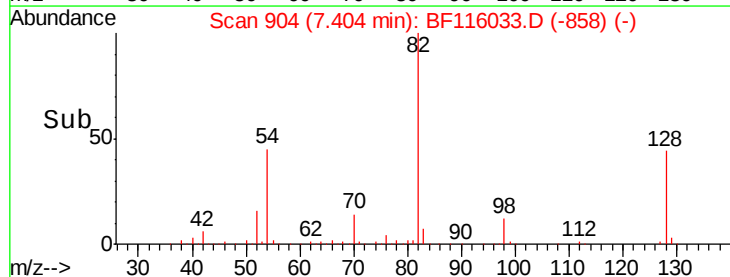
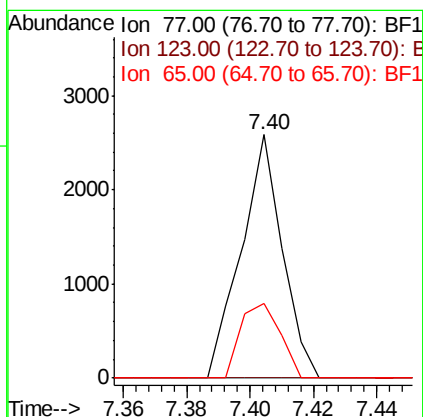
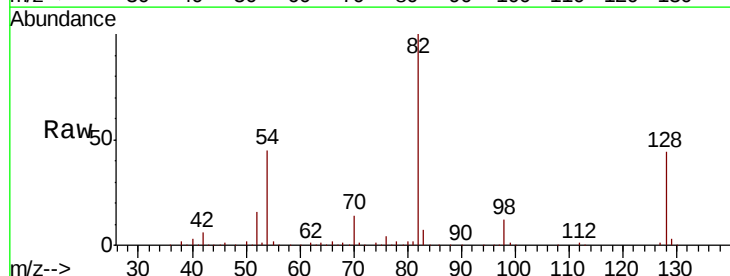
Instrument :
 BNA_F
 ClientSampleId :
 1S-F1-F4-COMP-(30)

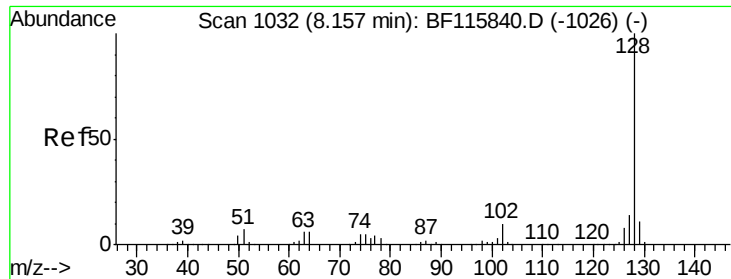
Tot Ion: 82 Resp: 808398
 Ion Ratio Lower Upper
 82 100
 128 44.4 36.6 55.0
 54 45.1 36.6 55.0



#24
 Nitrobenzene
 Concen: 0.268 ng
 RT: 7.40 min Scan# 904
 Delta R.T. -0.03 min
 Lab File: BF116033.D
 Acq: 7 Aug 2019 00:15

Tgt Ion: 77 Resp: 2328
 Ion Ratio Lower Upper
 77 100
 123 0.0 35.5 53.3#
 65 30.9 10.6 15.8#

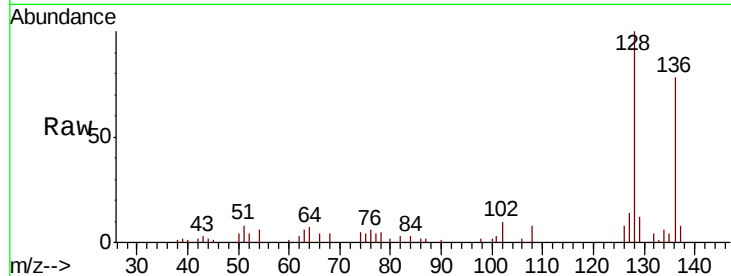




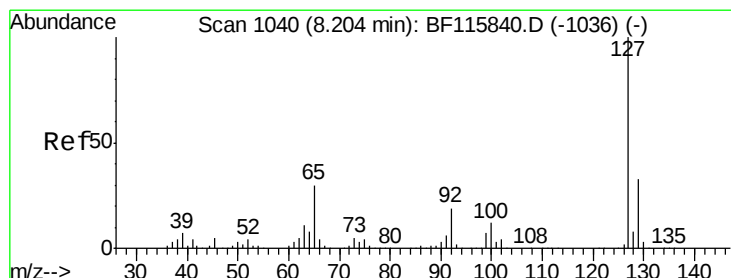
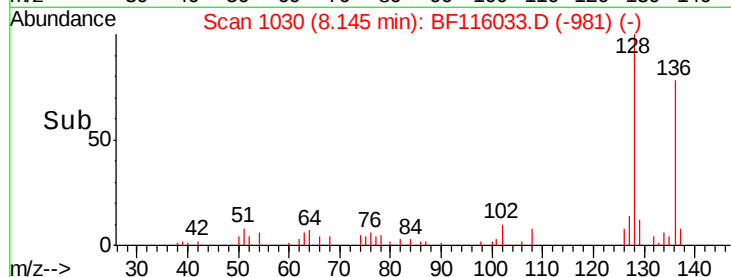
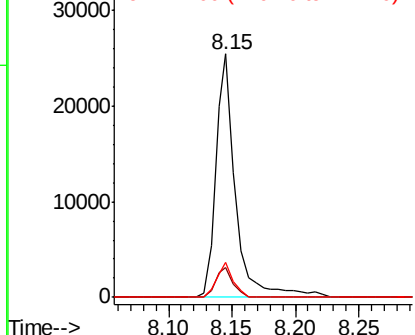
#31
Naphthalene
Concen: 1.271 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF116033.D
Acq: 7 Aug 2019 00:15

Instrument :
BNA_F
ClientSampleId :
1S-F1-F4-COMP-(30)

Tot Ion:128 Resp: 27829
Ion Ratio Lower Upper
128 100
129 12.2 9.2 13.8
127 14.1 11.0 16.4

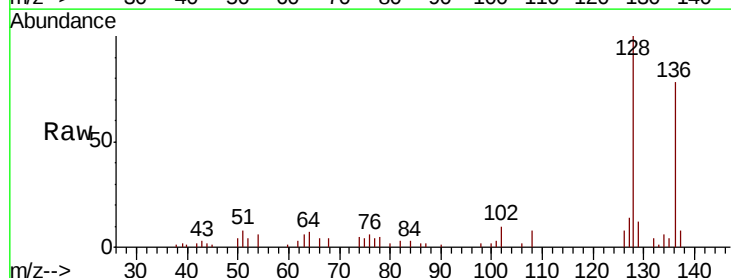


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

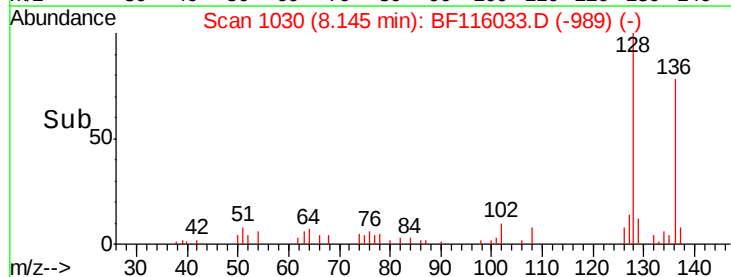
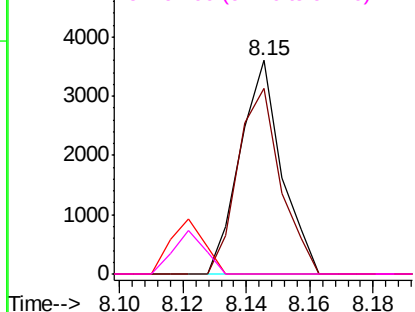


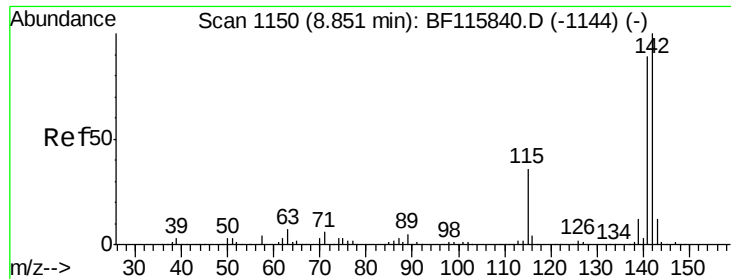
#33
4-Chloroaniline
Concen: 0.334 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.06 min
Lab File: BF116033.D
Acq: 7 Aug 2019 00:15

Tgt Ion:127 Resp: 3263
Ion Ratio Lower Upper
127 100
129 86.7 26.0 39.0#
65 0.0 23.9 35.9#
92 0.0 14.9 22.3#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

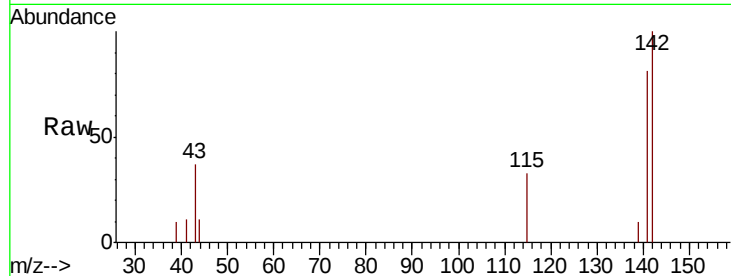




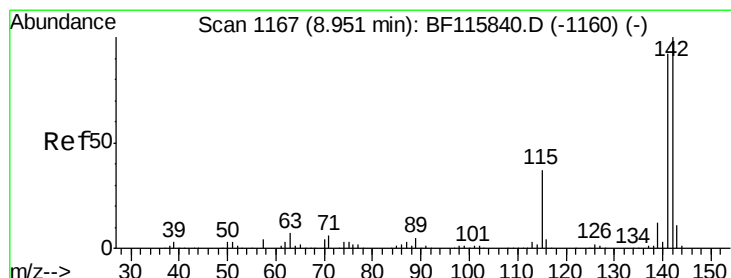
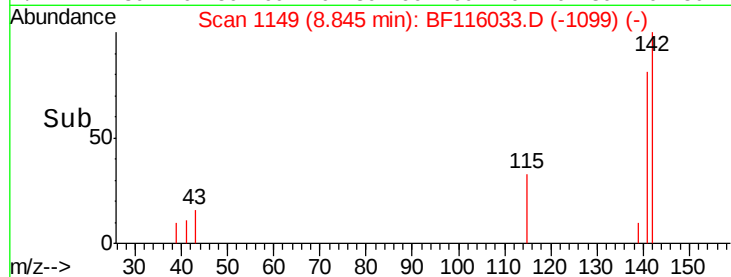
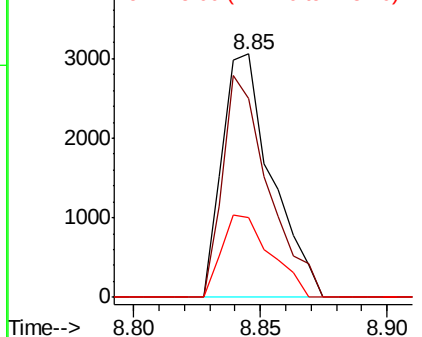
#37
 2-Methylnaphthalene
 Concen: 0.288 ng
 RT: 8.85 min Scan# 1149
 Delta R.T. -0.01 min
 Lab File: BF116033.D
 Acq: 7 Aug 2019 00:15

Instrument :
 BNA_F
 ClientSampleId :
 1S-F1-F4-COMP-(30)

Tot Ion:142 Resp: 4155
 Ion Ratio Lower Upper
 142 100
 141 81.4 71.4 107.2
 115 33.0 28.9 43.3

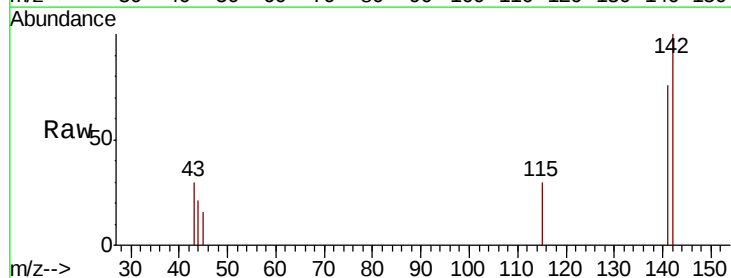


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

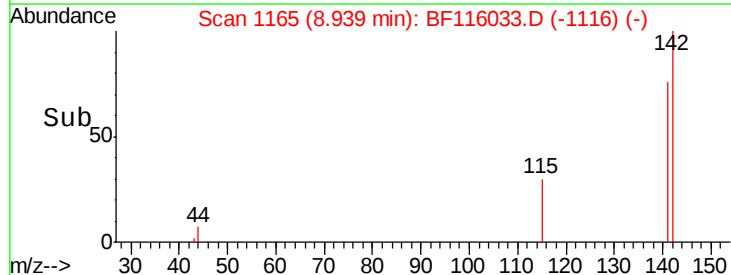
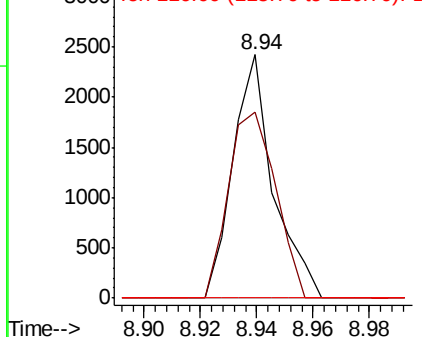


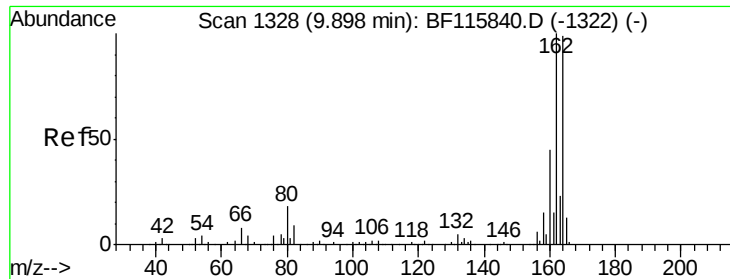
#38
 1-Methylnaphthalene
 Concen: 0.177 ng
 RT: 8.94 min Scan# 1165
 Delta R.T. -0.01 min
 Lab File: BF116033.D
 Acq: 7 Aug 2019 00:15

Tgt Ion:142 Resp: 2410
 Ion Ratio Lower Upper
 142 100
 141 76.3 73.8 110.6
 116 0.0 3.1 4.7#



Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E

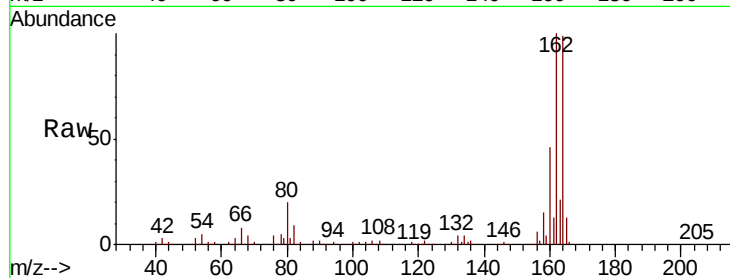




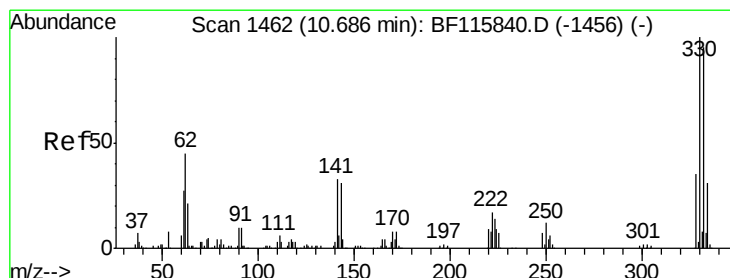
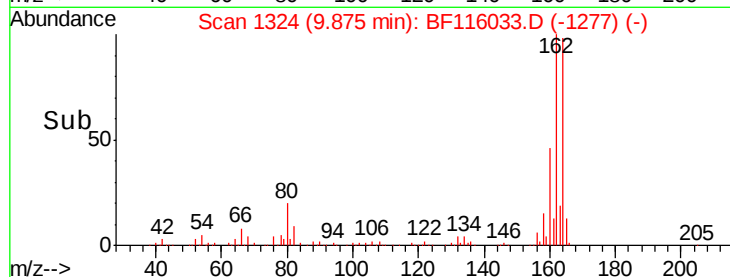
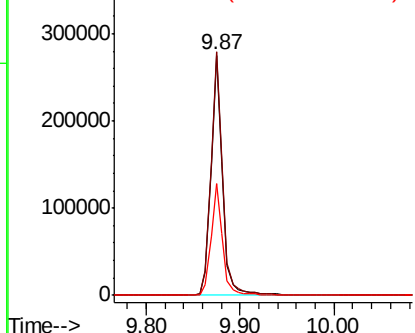
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.02 min
Lab File: BF116033.D
Acq: 7 Aug 2019 00:15

Instrument :
BNA_F
ClientSampleId :
1S-F1-F4-COMP-(30)

Tot Ion:164 Resp: 241269
Ion Ratio Lower Upper
164 100
162 101.4 80.8 121.2
160 46.4 36.2 54.4

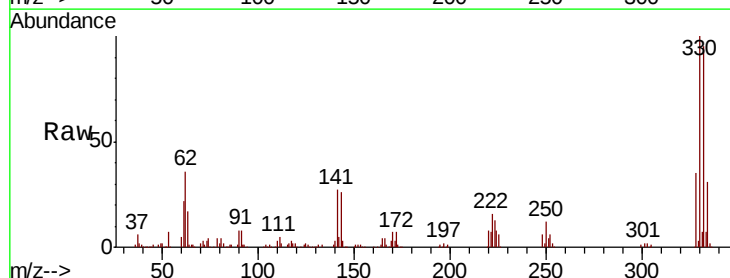


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

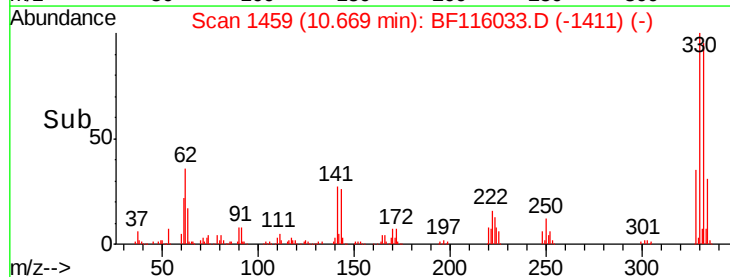
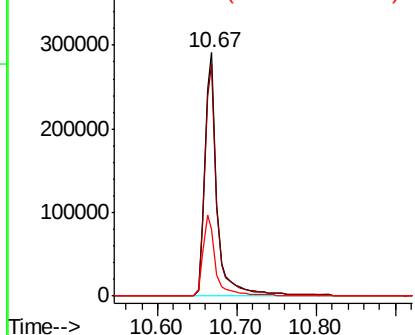


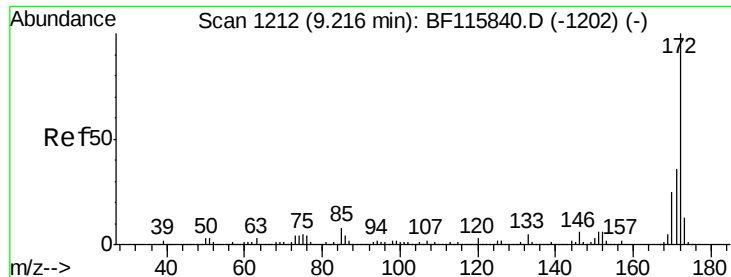
#42
2,4,6-Tribromophenol
Concen: 137.917 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.02 min
Lab File: BF116033.D
Acq: 7 Aug 2019 00:15

Tgt Ion:330 Resp: 322611
Ion Ratio Lower Upper
330 100
332 97.9 77.7 116.5
141 35.0 28.1 42.1



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

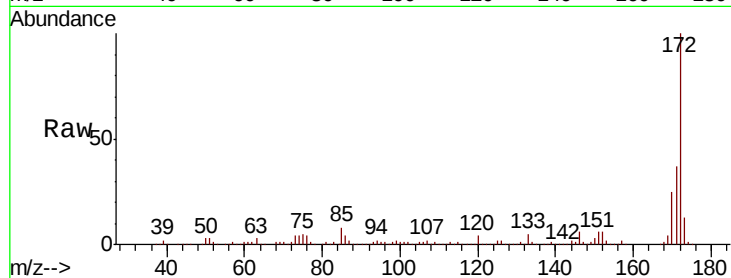




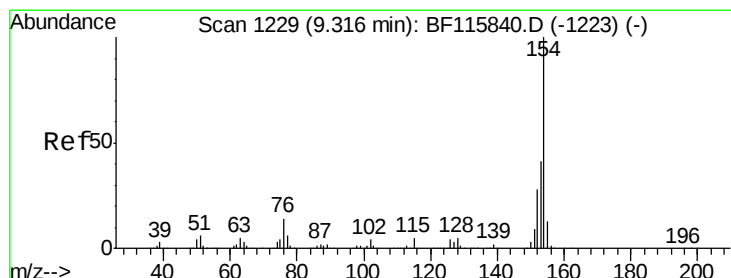
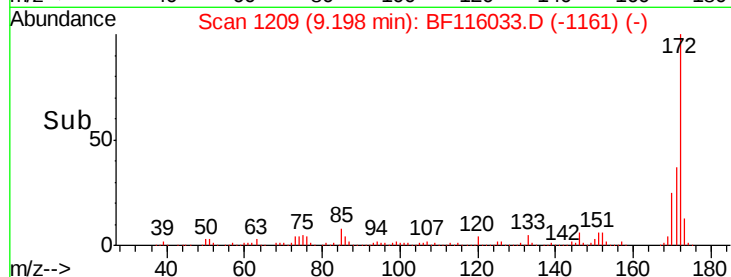
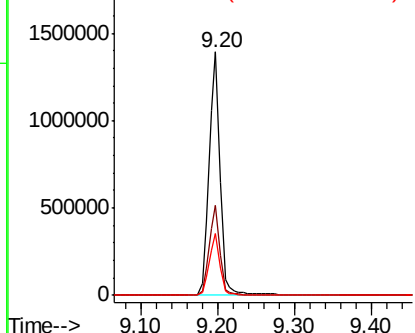
#45
2-Fluorobiphenyl
Concen: 106.851 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.02 min
Lab File: BF116033.D
Acq: 7 Aug 2019 00:15

Instrument :
BNA_F
ClientSampleId :
1S-F1-F4-COMP-(30)

Tot Ion:172 Resp: 1376337
Ion Ratio Lower Upper
172 100
171 36.8 29.1 43.7
170 25.2 20.1 30.1

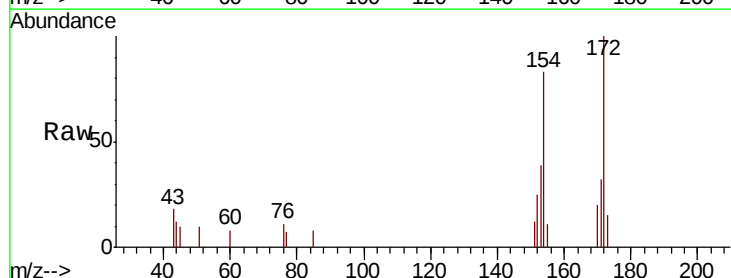


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

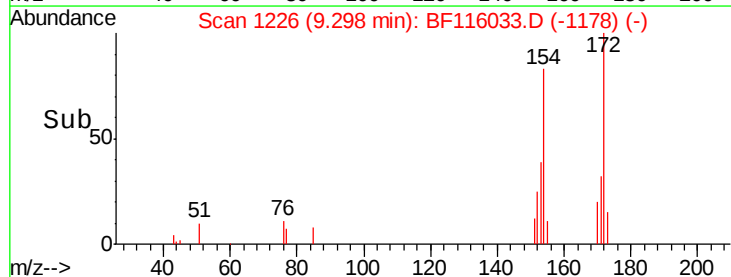
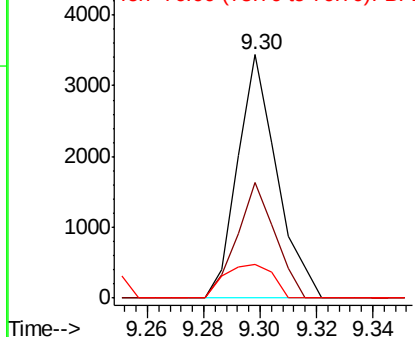


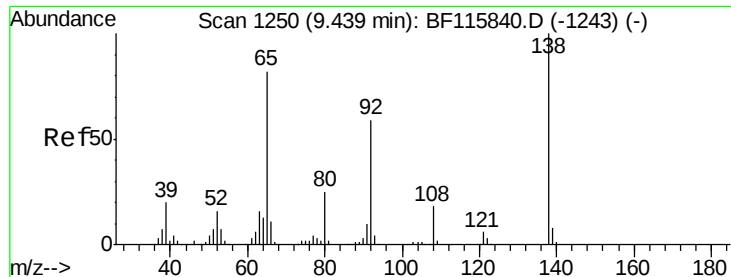
#46
1,1'-Biphenyl
Concen: 0.194 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.02 min
Lab File: BF116033.D
Acq: 7 Aug 2019 00:15

Tgt Ion:154 Resp: 3298
Ion Ratio Lower Upper
154 100
153 47.3 20.9 60.9
76 13.6 0.0 34.3



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

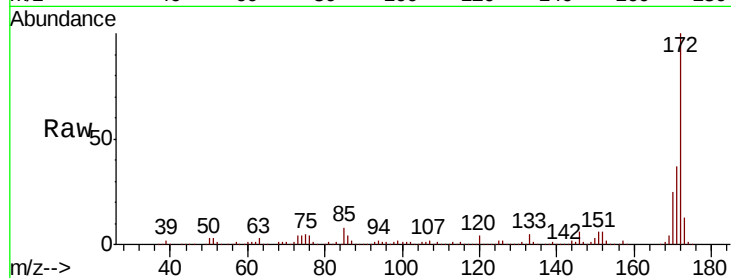




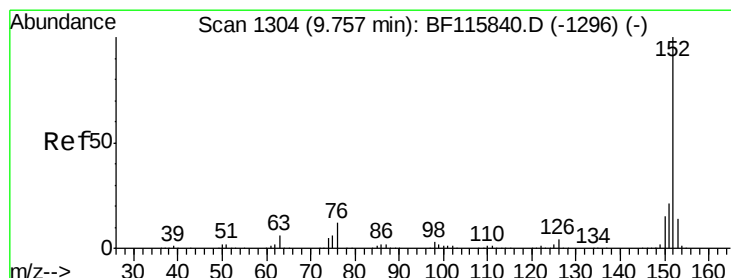
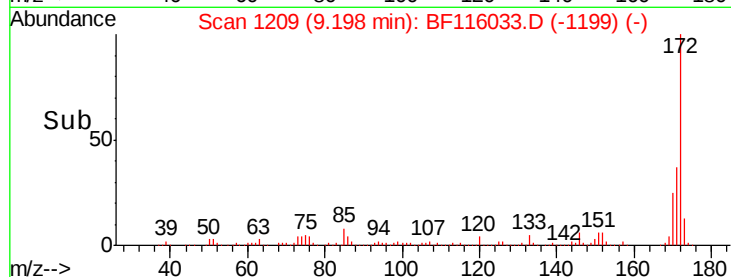
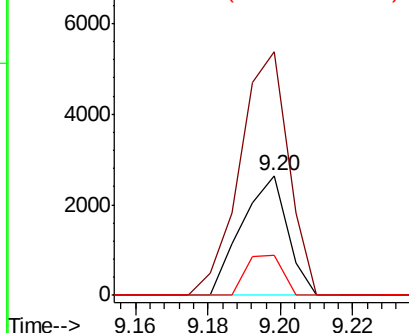
#48
 2-Nitroaniline
 Concen: 0.494 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.24 min
 Lab File: BF116033.D
 Acq: 7 Aug 2019 00:15

Instrument :
 BNA_F
 ClientSampleId :
 1S-F1-F4-COMP-(30)

Tot Ion:	65	Resp:	2315
Ion	Ratio	Lower	Upper
65	100		
92	203.1	57.1	85.7#
138	33.7	97.1	145.7#

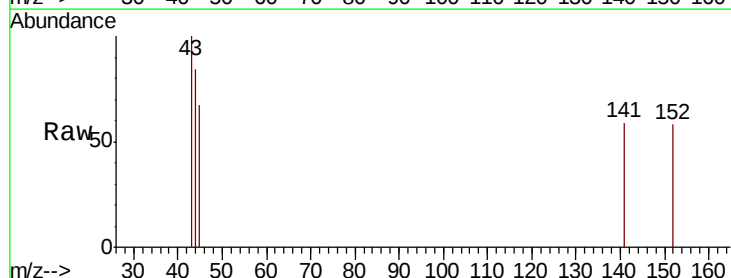


Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1

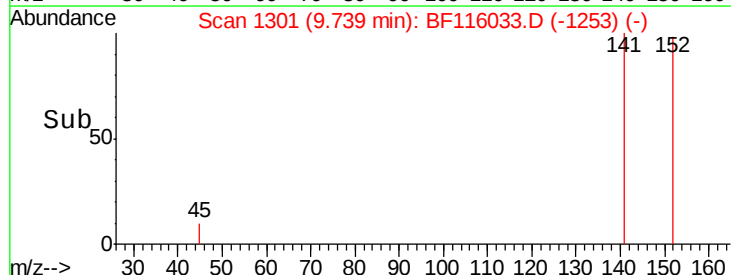
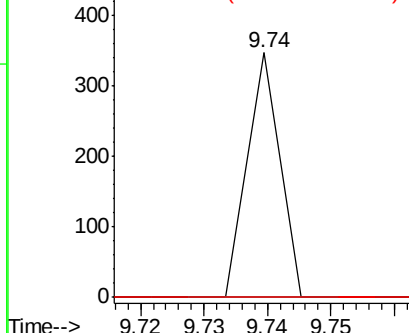


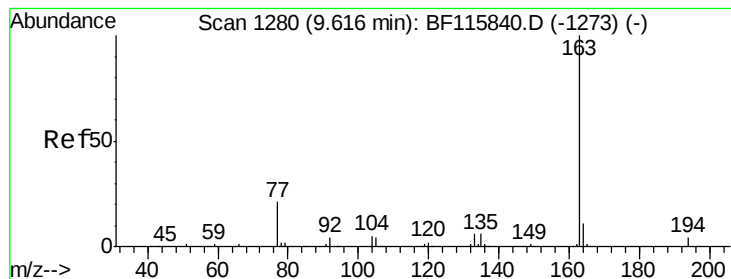
#49
 Acenaphthylene
 Concen: 0.006 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: BF116033.D
 Acq: 7 Aug 2019 00:15

Tgt Ion:	152	Resp:	122
Ion	Ratio	Lower	Upper
152	100		
151	0.0	16.8	25.2#
153	0.0	11.6	17.4#



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





#50

Dimethylphthalate

Concen: 0.449 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

Lab File: BF116033.D

Acq: 7 Aug 2019 00:15

Instrument :

BNA_F

ClientSampleId :

1S-F1-F4-COMP-(30)

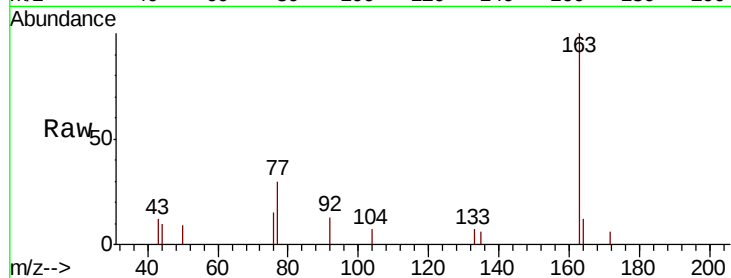
Tot Ion:163 Resp: 7384

Ion Ratio Lower Upper

163 100

194 0.0 3.0 4.6#

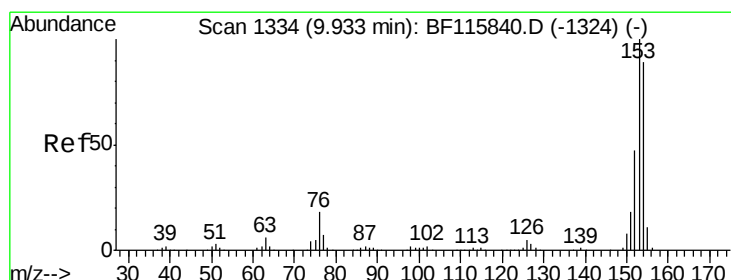
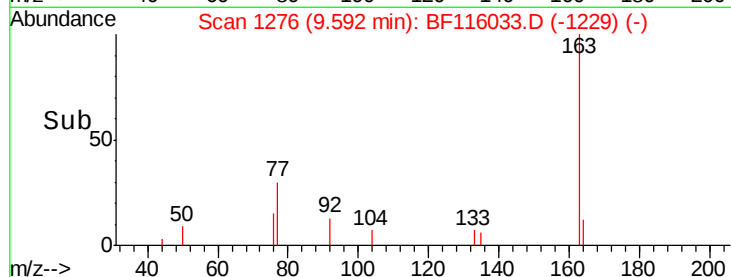
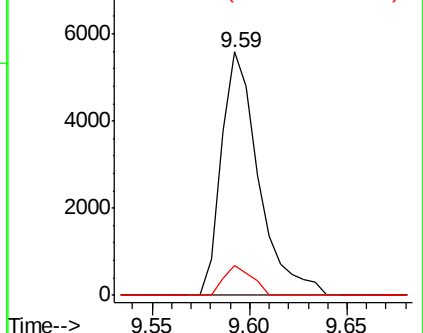
164 12.3 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#52

Acenaphthene

Concen: 0.139 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.02 min

Lab File: BF116033.D

Acq: 7 Aug 2019 00:15

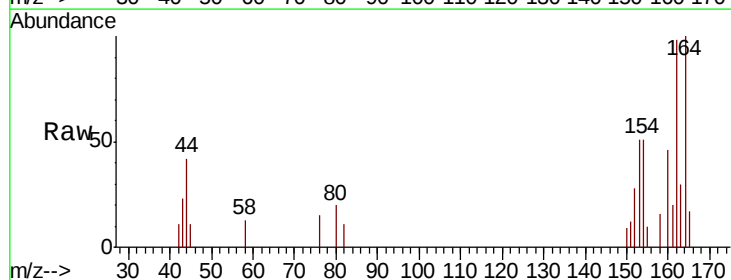
Tgt Ion:154 Resp: 1760

Ion Ratio Lower Upper

154 100

153 100.7 90.1 135.1

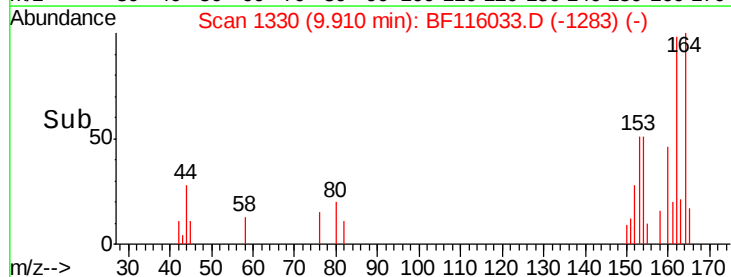
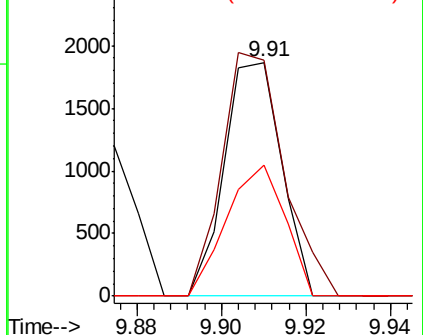
152 55.8 42.6 63.8

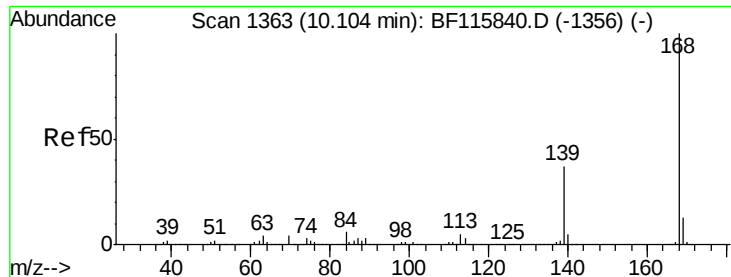


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

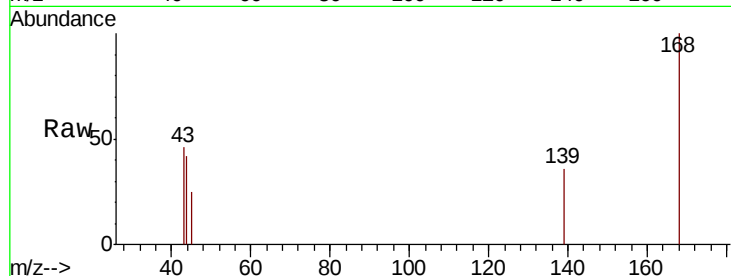




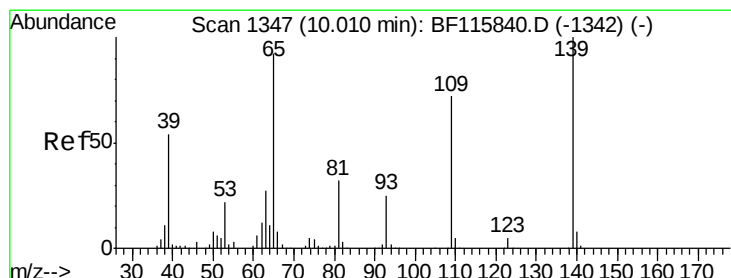
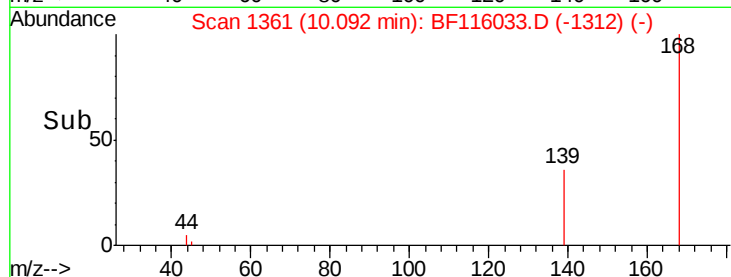
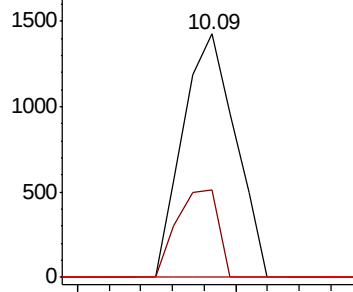
#55
Dibenzofuran
Concen: 0.089 ng
RT: 10.09 min Scan# 1361
Delta R.T. -0.01 min
Lab File: BF116033.D
Acq: 7 Aug 2019 00:15

Instrument :
BNA_F
ClientSampleId :
1S-F1-F4-COMP-(30)

Tot Ion:168 Resp: 1639
Ion Ratio Lower Upper
168 100
139 35.8 30.2 45.2
169 0.0 10.8 16.2#

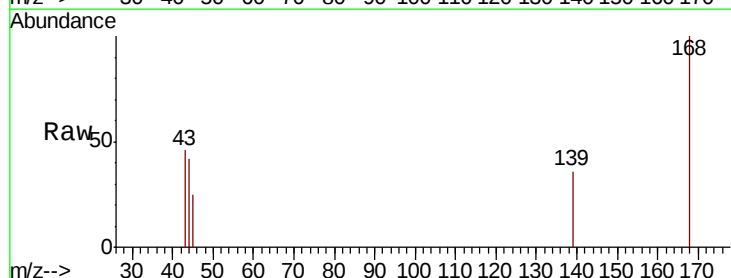


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

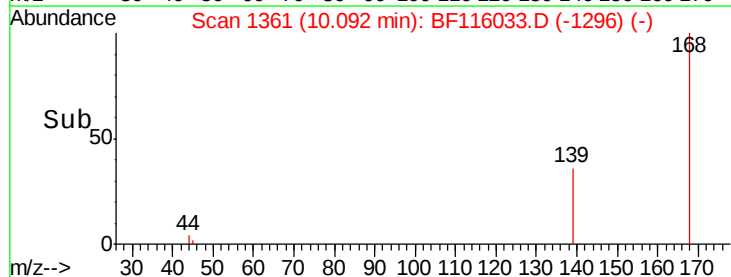
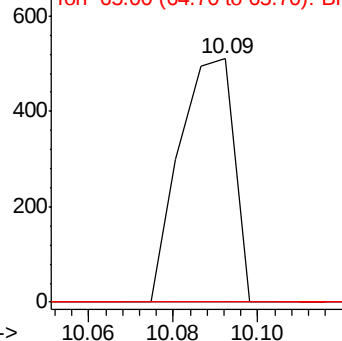


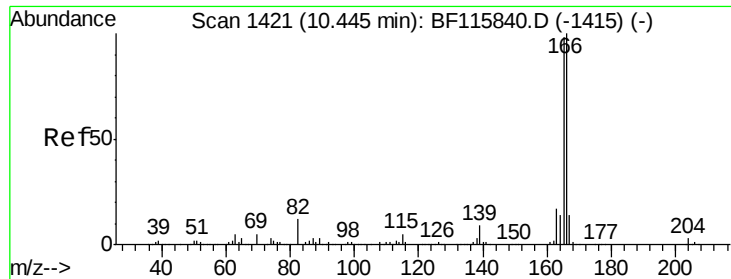
#56
4-Nitrophenol
Concen: 0.163 ng
RT: 10.09 min Scan# 1361
Delta R.T. 0.08 min
Lab File: BF116033.D
Acq: 7 Aug 2019 00:15

Tgt Ion:139 Resp: 461
Ion Ratio Lower Upper
139 100
109 0.0 52.0 92.0#
65 0.0 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1





#58

Fluorene

Concen: 0.105 ng

RT: 10.43 min Scan# 1418

Delta R.T. -0.02 min

Lab File: BF116033.D

Acq: 7 Aug 2019 00:15

Instrument :

BNA_F

ClientSampleId :

1S-F1-F4-COMP-(30)

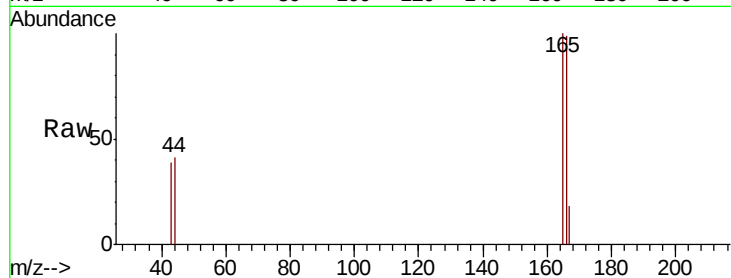
Tot Ion:166 Resp: 1494

Ion Ratio Lower Upper

166 100

165 101.4 78.6 118.0

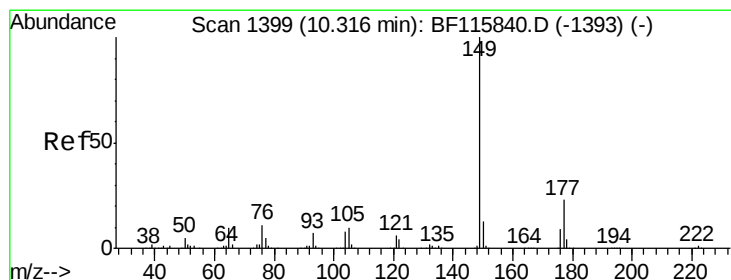
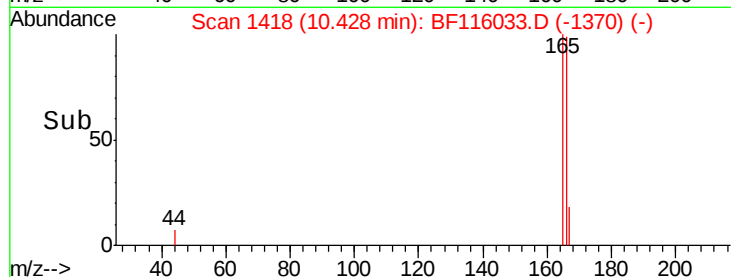
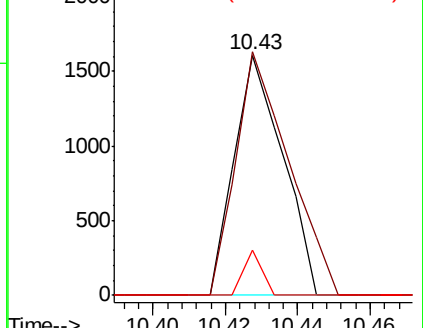
167 18.7 10.9 16.3#



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



#60

Diethylphthalate

Concen: 0.060 ng

RT: 10.29 min Scan# 1394

Delta R.T. -0.03 min

Lab File: BF116033.D

Acq: 7 Aug 2019 00:15

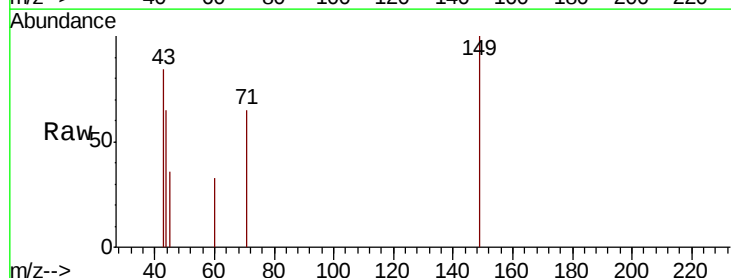
Tgt Ion:149 Resp: 926

Ion Ratio Lower Upper

149 100

177 0.0 18.4 27.6#

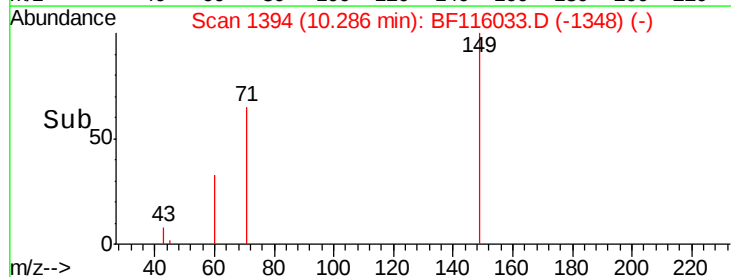
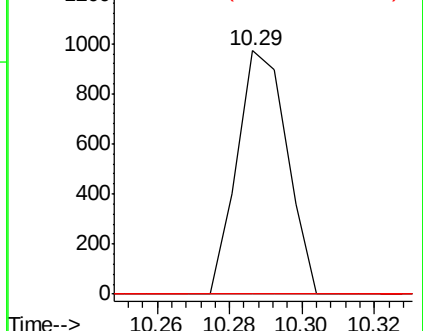
150 0.0 10.1 15.1#

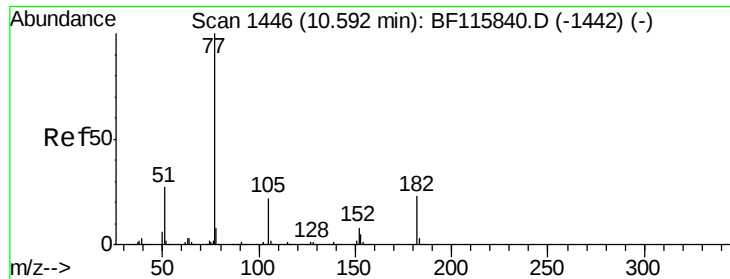


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#63

Azobenzene

Concen: 0.094 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.07 min

Lab File: BF116033.D

Acq: 7 Aug 2019 00:15

Instrument :

BNA_F

ClientSampleId :

1S-F1-F4-COMP-(30)

Tot Ion: 77 Resp: 1478

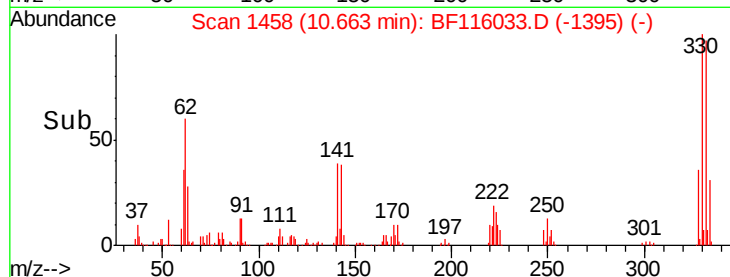
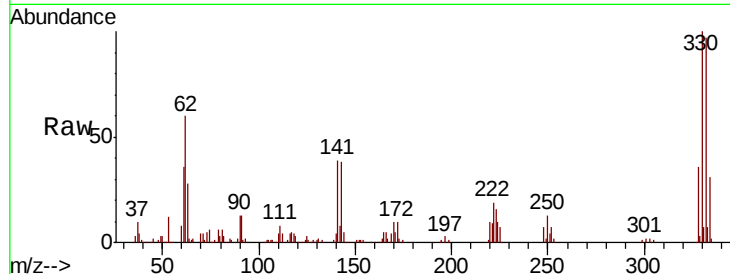
Ion Ratio Lower Upper

77 100

182 0.0 2.6 42.6#

105 86.6 1.6 41.6#

51 73.3 7.4 47.4#

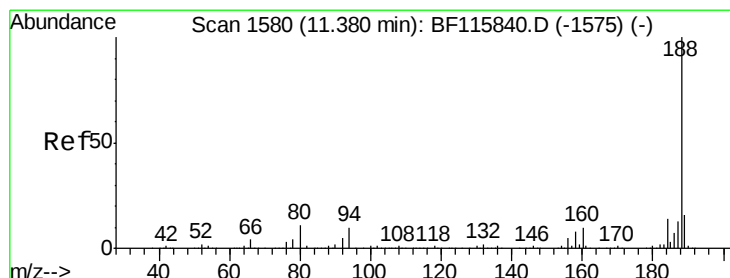
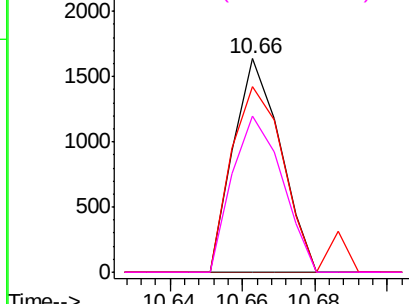


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.02 min

Lab File: BF116033.D

Acq: 7 Aug 2019 00:15

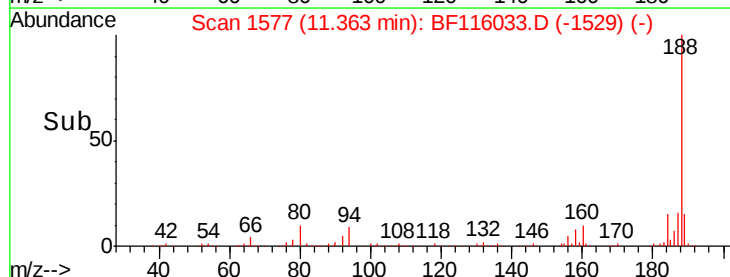
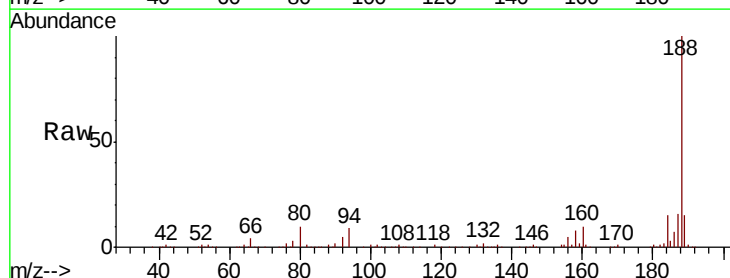
Tgt Ion: 188 Resp: 413626

Ion Ratio Lower Upper

188 100

94 9.2 8.0 12.0

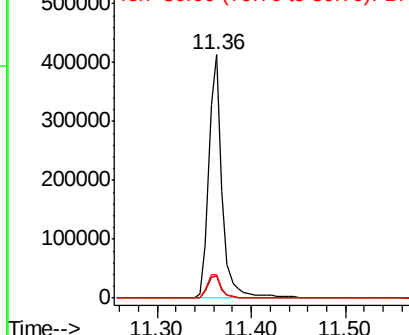
80 9.8 8.6 12.8

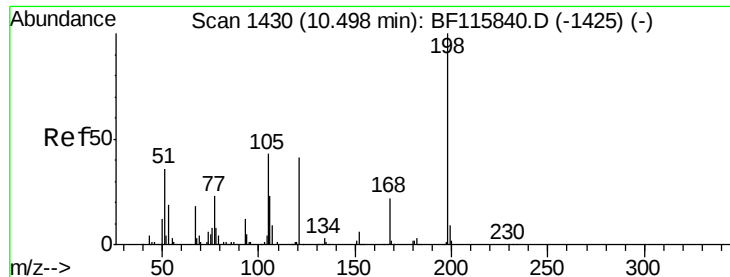


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 0.299 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.16 min

Lab File: BF116033.D

Acq: 7 Aug 2019 00:15

Instrument :

BNA_F

ClientSampleId :

1S-F1-F4-COMP-(30)

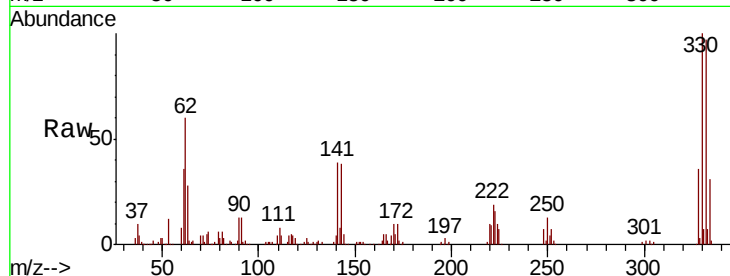
Tot Ion:198 Resp: 655

Ion Ratio Lower Upper

198 100

51 149.2 21.1 61.1#

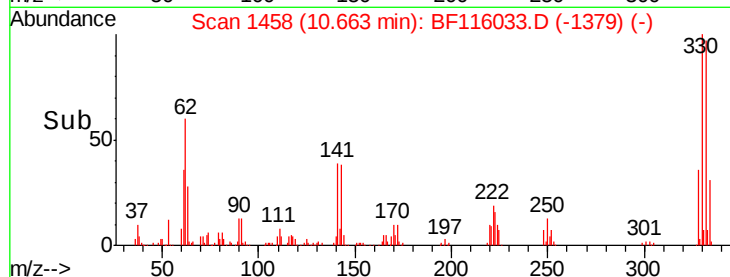
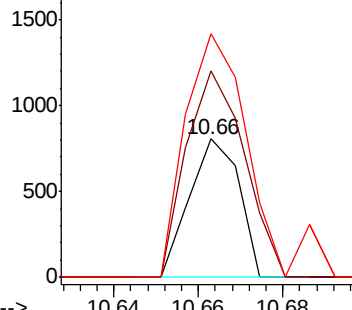
105 176.3 24.5 64.5#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 0.775 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.11 min

Lab File: BF116033.D

Acq: 7 Aug 2019 00:15

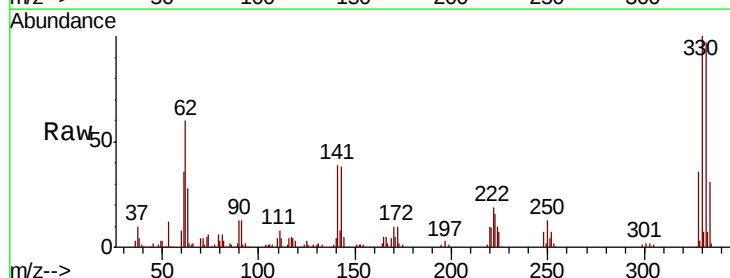
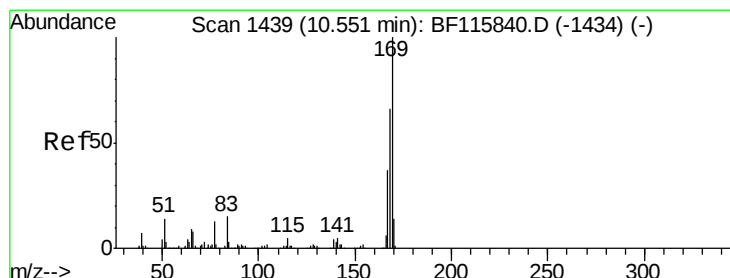
Tgt Ion:169 Resp: 9645

Ion Ratio Lower Upper

169 100

168 6.6 53.0 79.6#

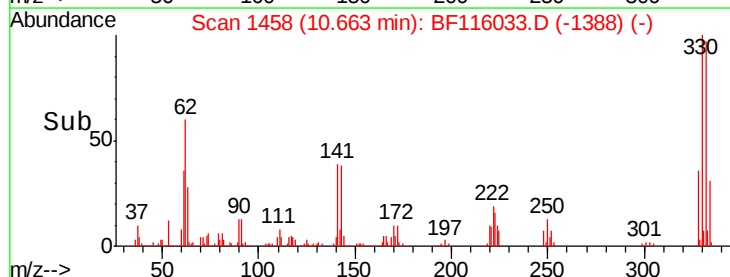
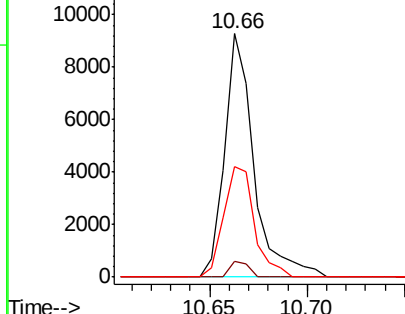
167 45.4 29.9 44.9#

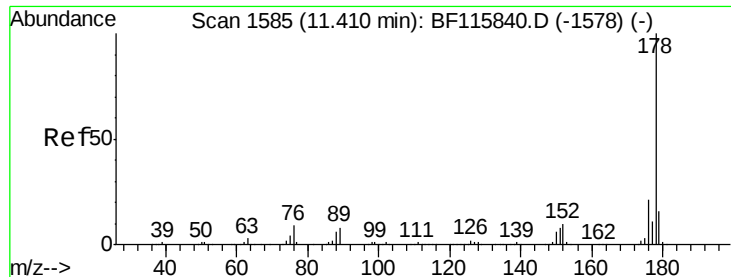


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

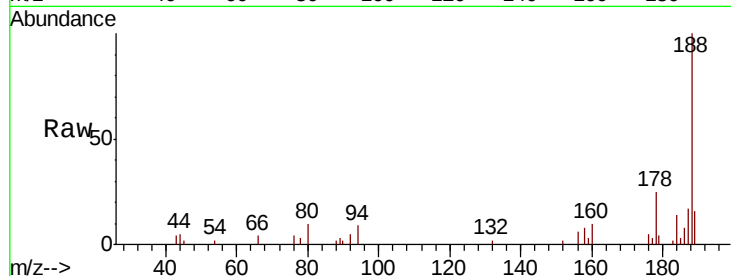




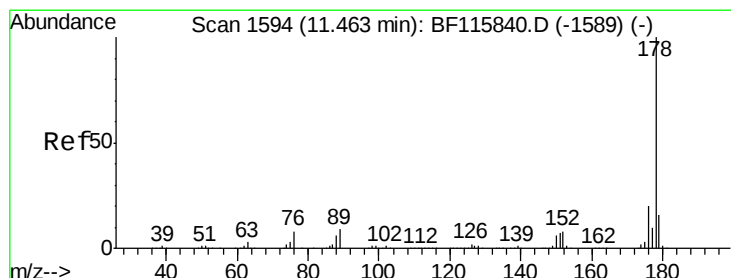
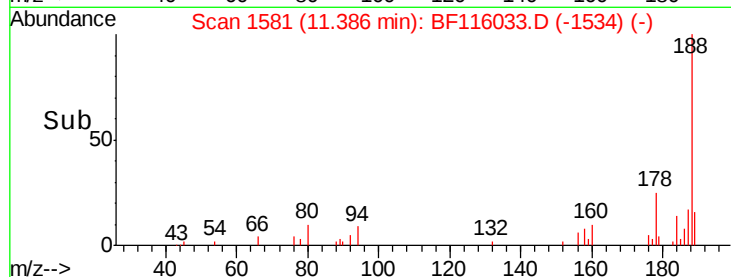
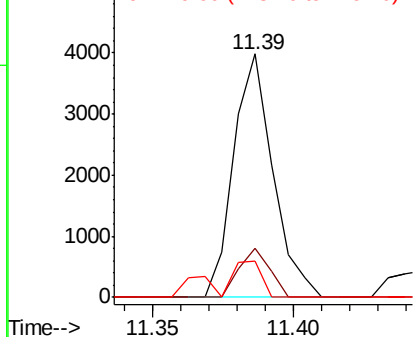
#71
Phenanthrene
Concen: 0.182 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.02 min
Lab File: BF116033.D
Acq: 7 Aug 2019 00:15

Instrument :
BNA_F
ClientSampleId :
1S-F1-F4-COMP-(30)

Tot Ion:178 Resp: 3844
Ion Ratio Lower Upper
178 100
176 20.2 16.5 24.7
179 14.7 12.6 18.8

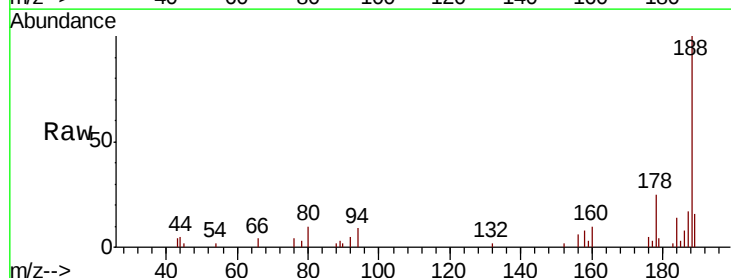


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

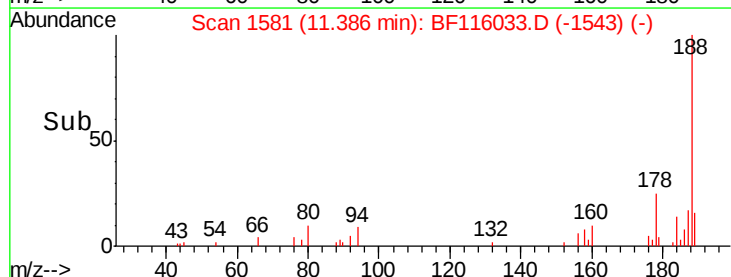
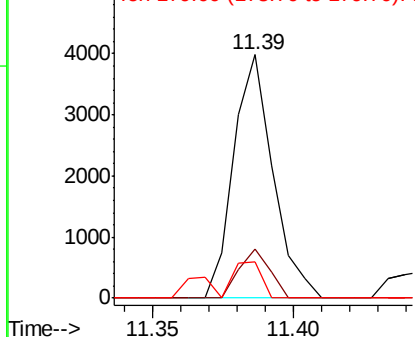


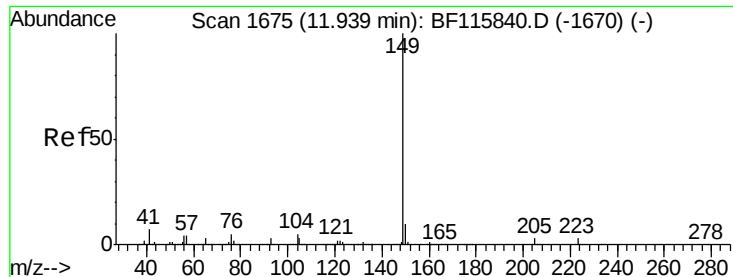
#72
Anthracene
Concen: 0.180 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.08 min
Lab File: BF116033.D
Acq: 7 Aug 2019 00:15

Tgt Ion:178 Resp: 3844
Ion Ratio Lower Upper
178 100
176 20.2 15.7 23.5
179 14.7 12.4 18.6



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

Di-n-butylphthalate

Concen: 0.191 ng

RT: 11.92 min Scan# 1671

Delta R.T. -0.02 min

Lab File: BF116033.D

Acq: 7 Aug 2019 00:15

Instrument :

BNA_F

ClientSampleId :

1S-F1-F4-COMP-(30)

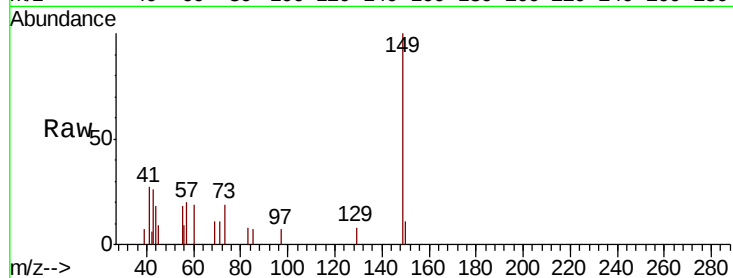
Tot Ion:149 Resp: 4334

Ion Ratio Lower Upper

149 100

150 10.9 7.7 11.5

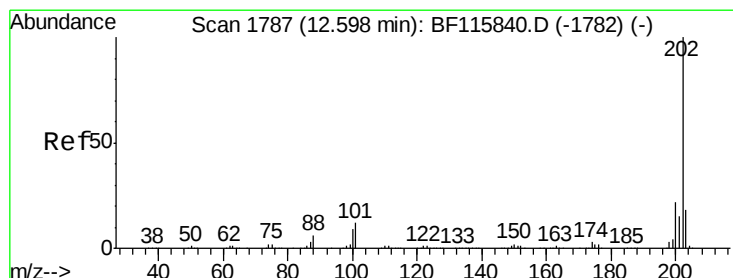
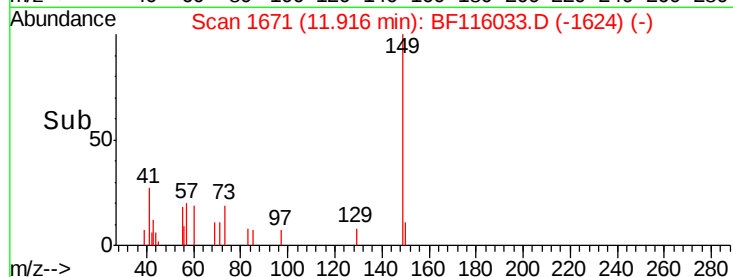
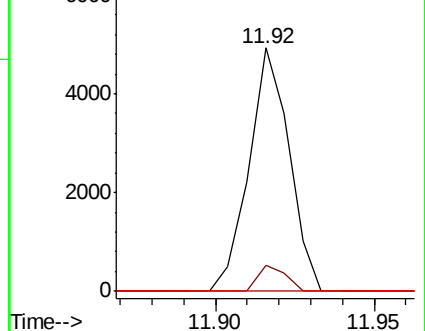
104 0.0 4.3 6.5#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Fluoranthene

Concen: 0.028 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.02 min

Lab File: BF116033.D

Acq: 7 Aug 2019 00:15

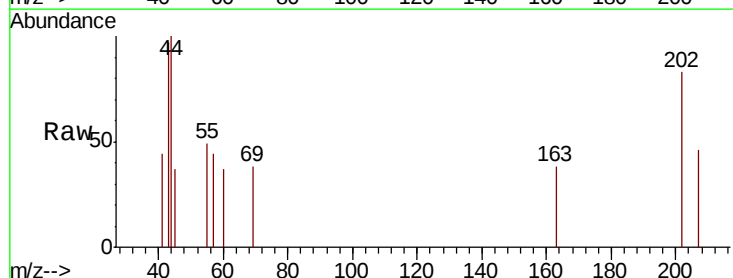
Tgt Ion:202 Resp: 609

Ion Ratio Lower Upper

202 100

101 0.0 0.0 31.5

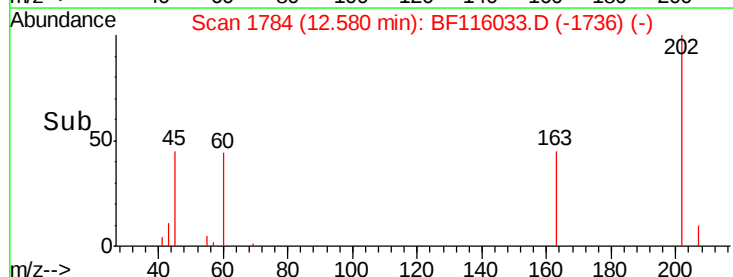
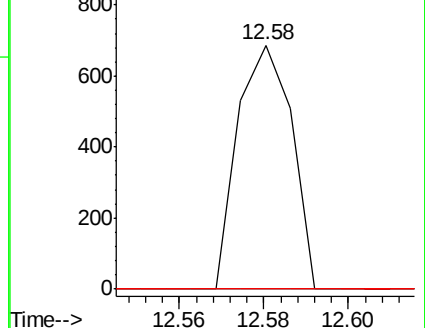
203 0.0 0.0 37.9

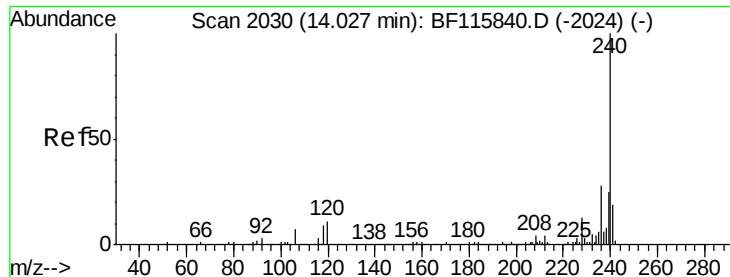


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.03 min

Lab File: BF116033.D

Acq: 7 Aug 2019 00:15

Instrument :

BNA_F

ClientSampleId :

1S-F1-F4-COMP-(30)

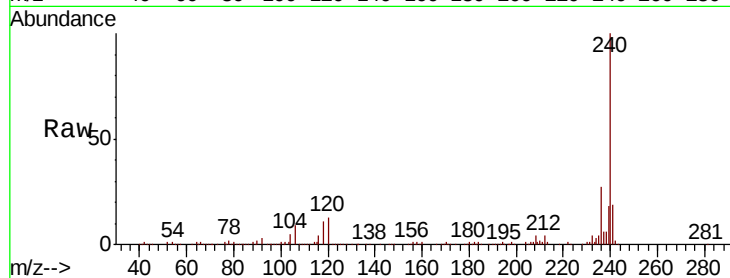
Tot Ion:240 Resp: 307949

Ion Ratio Lower Upper

240 100

120 12.7 8.5 12.7

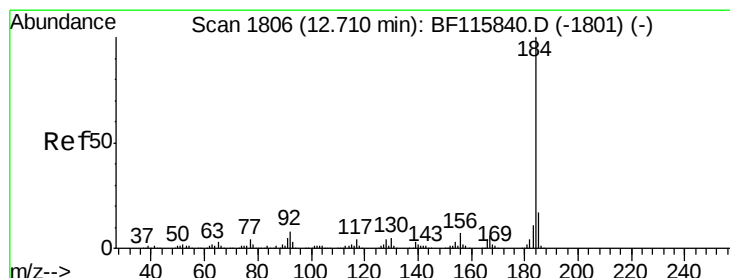
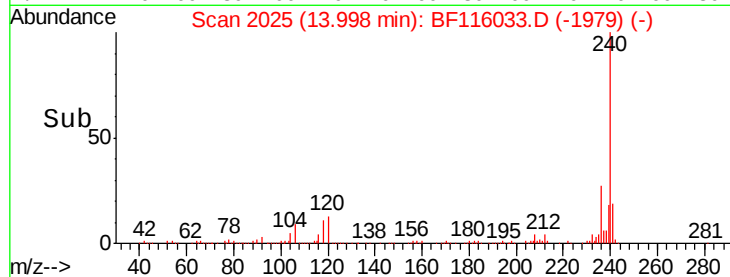
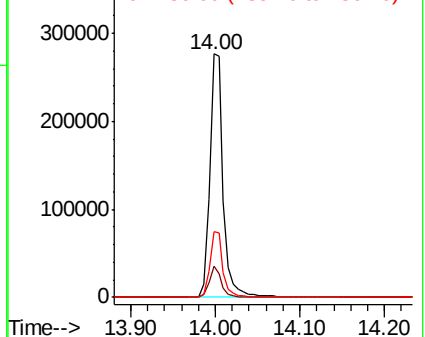
236 27.0 22.2 33.2



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

Benzidine

Concen: 1.851 ng

RT: 12.95 min Scan# 1846

Delta R.T. 0.24 min

Lab File: BF116033.D

Acq: 7 Aug 2019 00:15

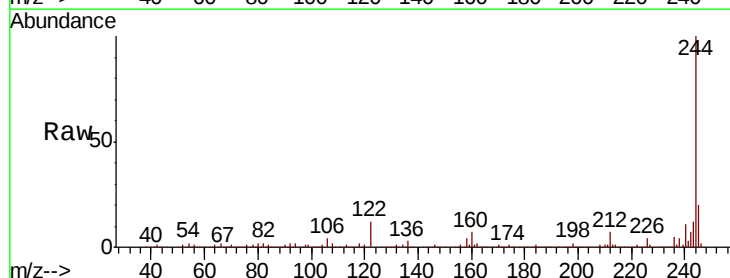
Tgt Ion:184 Resp: 19261

Ion Ratio Lower Upper

184 100

185 16.4 13.4 20.2

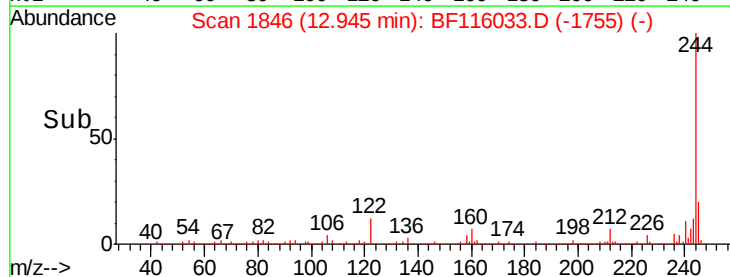
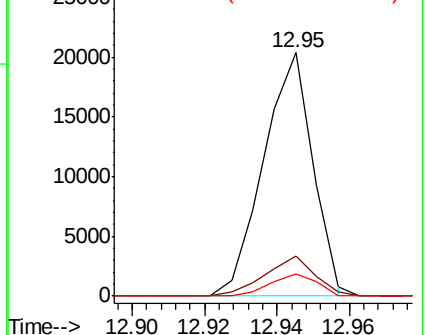
183 9.3 9.1 13.7

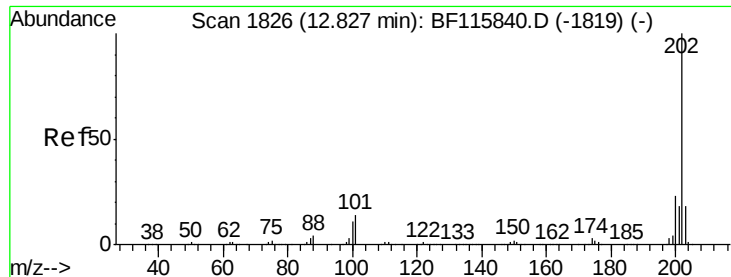


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

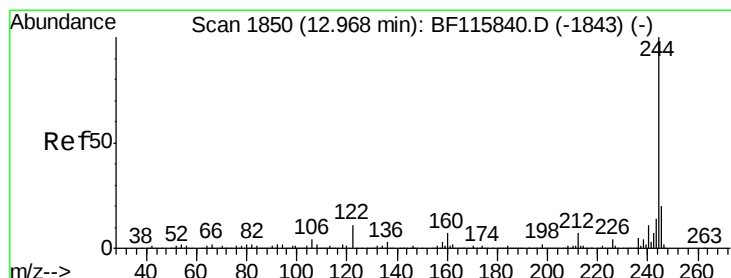
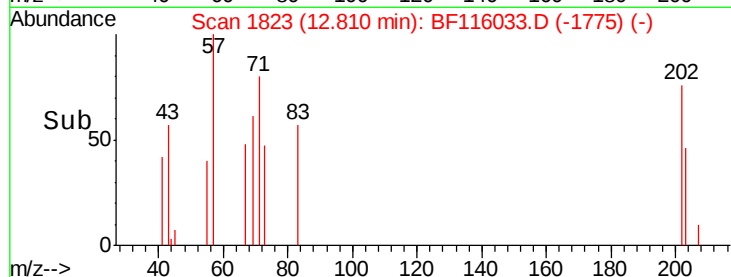
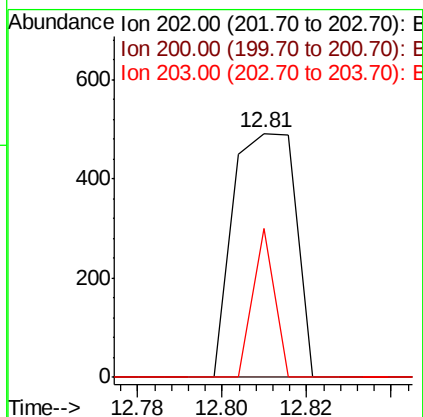
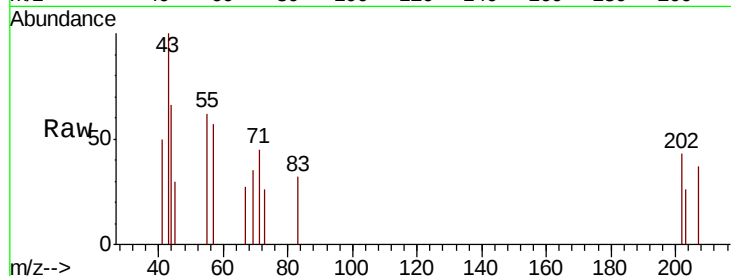




#78
Pvrene
Concen: 0.022 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.02 min
Lab File: BF116033.D
Acq: 7 Aug 2019 00:15

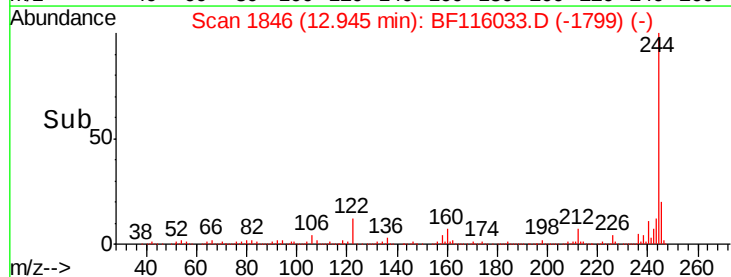
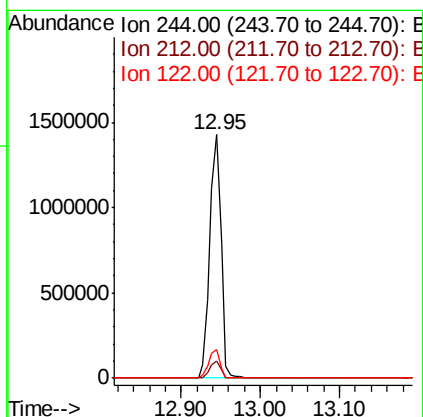
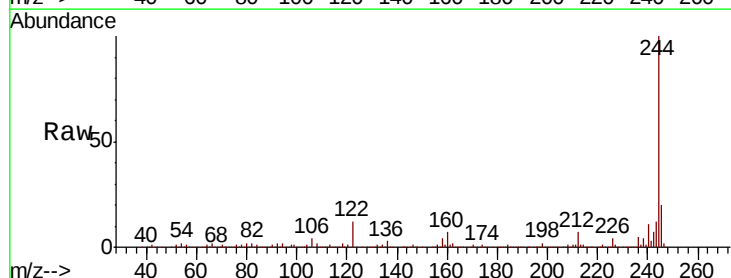
Instrument :
BNA_F
ClientSampleId :
1S-F1-F4-COMP-(30)

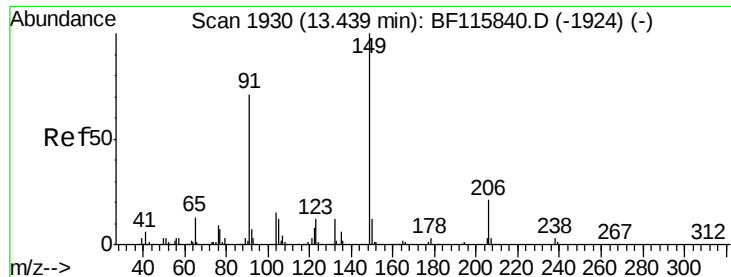
Tot Ion:202 Resp: 504
Ion Ratio Lower Upper
202 100
200 0.0 18.2 27.2#
203 61.1 14.3 21.5#



#79
Terphenyl-d14
Concen: 96.899 ng
RT: 12.95 min Scan# 1846
Delta R.T. -0.02 min
Lab File: BF116033.D
Acq: 7 Aug 2019 00:15

Tgt Ion:244 Resp: 1416114
Ion Ratio Lower Upper
244 100
212 7.1 5.6 8.4
122 11.9 8.6 13.0

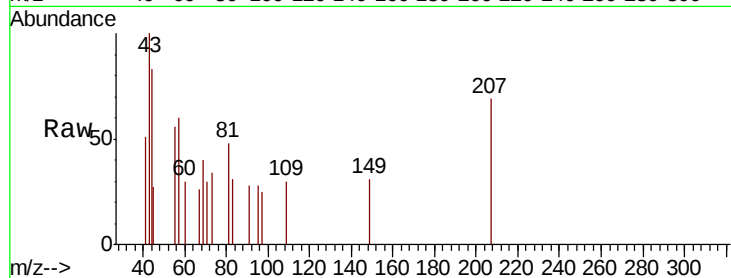




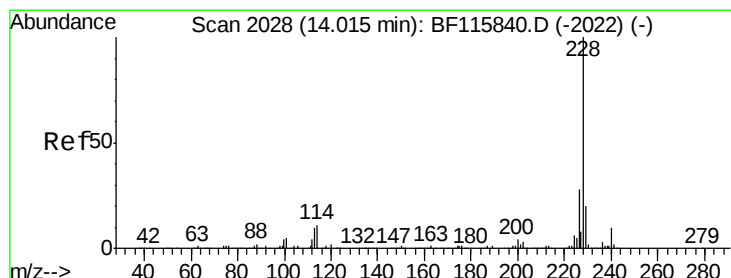
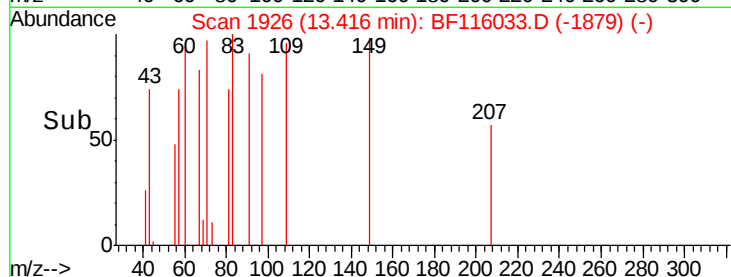
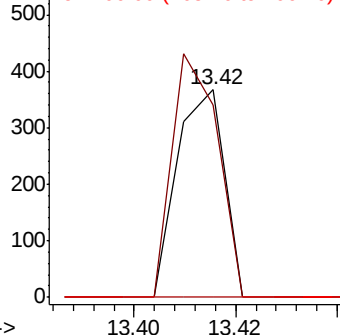
#80
Butylbenzylphthalate
Concen: 0.024 ng
RT: 13.42 min Scan# 1926
Delta R.T. -0.02 min
Lab File: BF116033.D
Acq: 7 Aug 2019 00:15

Instrument :
BNA_F
ClientSampleId :
1S-F1-F4-COMP-(30)

Tot Ion:149 Resp: 240
Ion Ratio Lower Upper
149 100
91 92.9 57.0 85.6#
206 0.0 16.9 25.3#

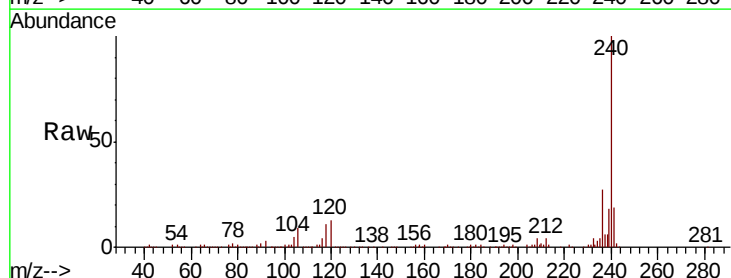


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF1
Ion 206.00 (205.70 to 206.70): E

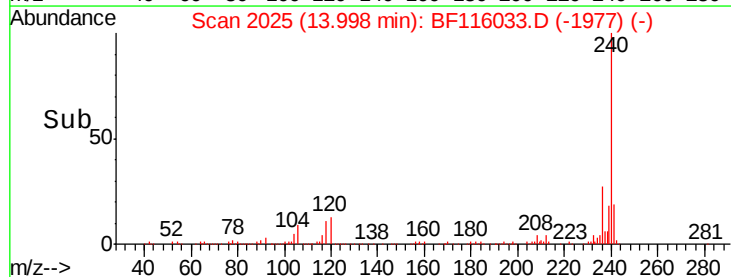
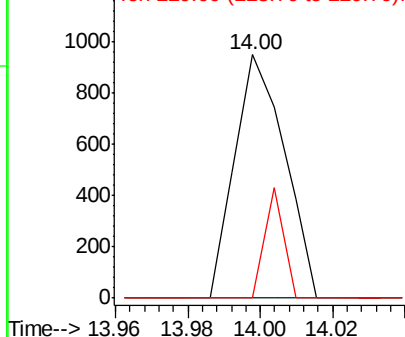


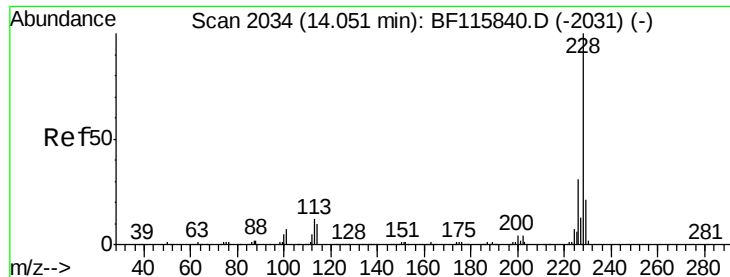
#81
Benzo(a)anthracene
Concen: 0.046 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.02 min
Lab File: BF116033.D
Acq: 7 Aug 2019 00:15

Tgt Ion:228 Resp: 908
Ion Ratio Lower Upper
228 100
226 0.0 22.5 33.7#
229 0.0 16.1 24.1#



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





#83

Chrysene

Concen: 0.048 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.05 min

Lab File: BF116033.D

Acq: 7 Aug 2019 00:15

Instrument :

BNA_F

ClientSampleId :

1S-F1-F4-COMP-(30)

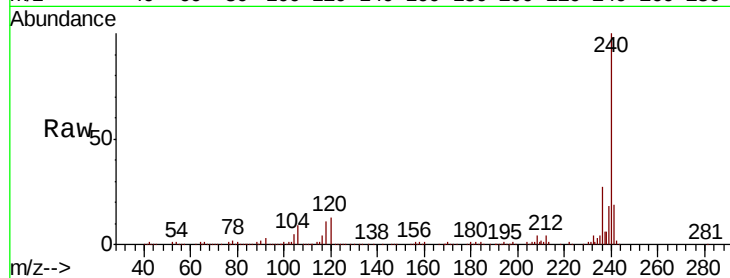
Tot Ion:228 Resp: 908

Ion Ratio Lower Upper

228 100

226 0.0 24.8 37.2#

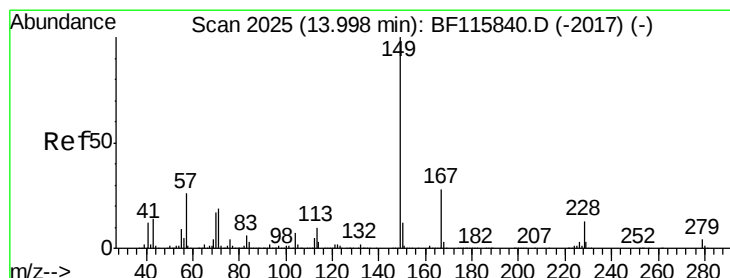
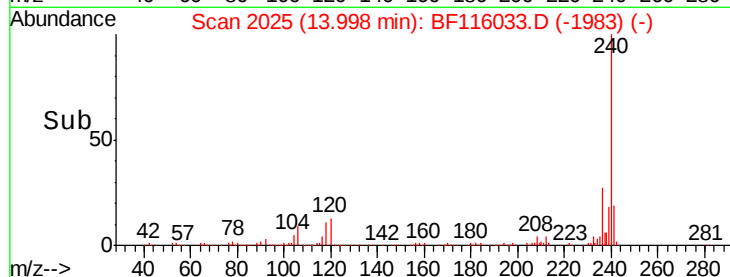
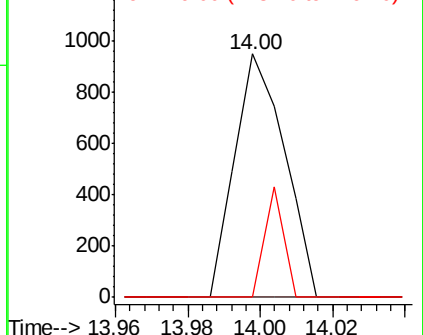
229 0.0 16.4 24.6#



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 0.122 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.03 min

Lab File: BF116033.D

Acq: 7 Aug 2019 00:15

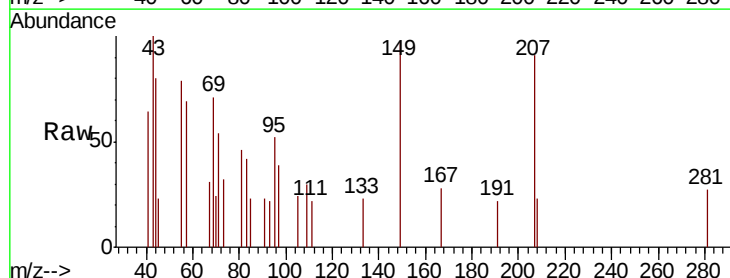
Tgt Ion:149 Resp: 1559

Ion Ratio Lower Upper

149 100

167 28.8 22.4 33.6

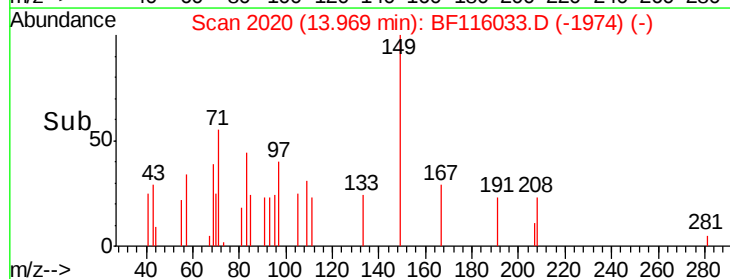
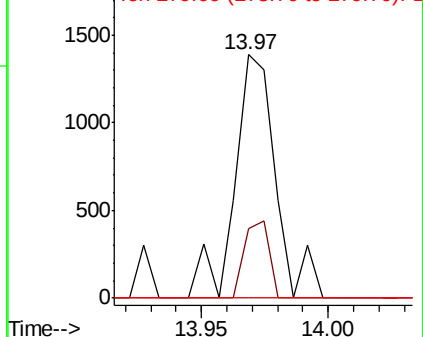
279 0.0 3.3 4.9#

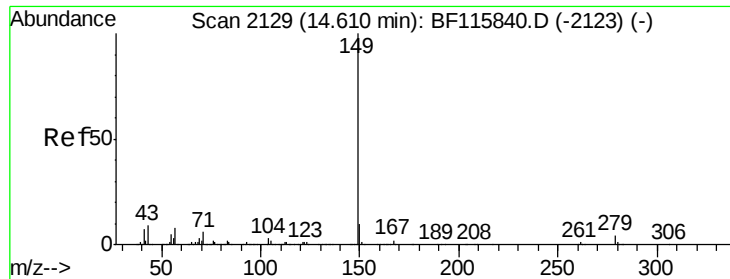


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

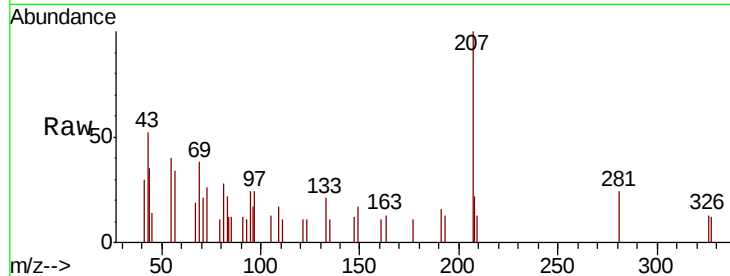




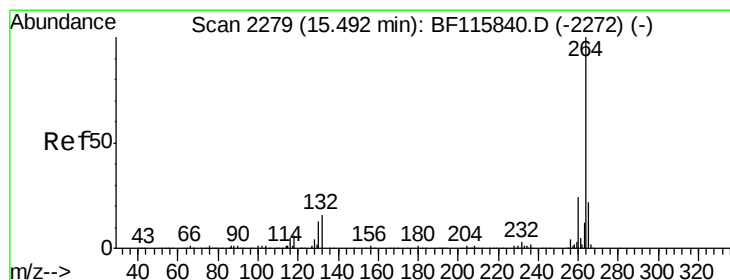
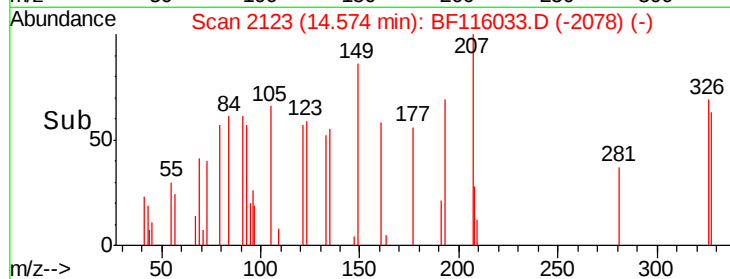
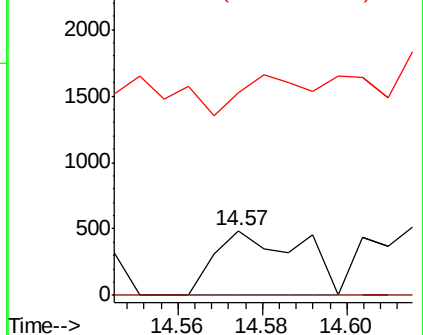
#85
Di-n-octyl phthalate
Concen: 0.033 ng
RT: 14.57 min Scan# 2123
Delta R.T. -0.04 min
Lab File: BF116033.D
Acq: 7 Aug 2019 00:15

Instrument :
BNA_F
ClientSampleId :
1S-F1-F4-COMP-(30)

Tot Ion:149 Resp: 677
Ion Ratio Lower Upper
149 100
167 0.0 1.2 1.8#
43 48.4 7.4 11.0#

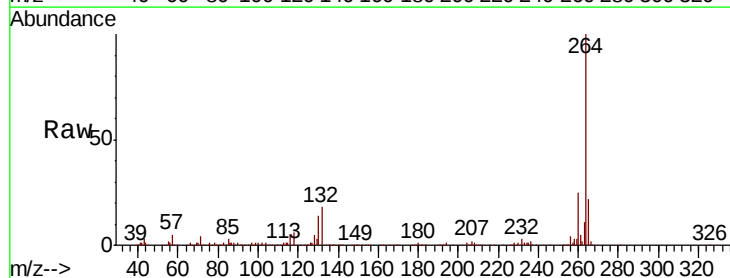


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

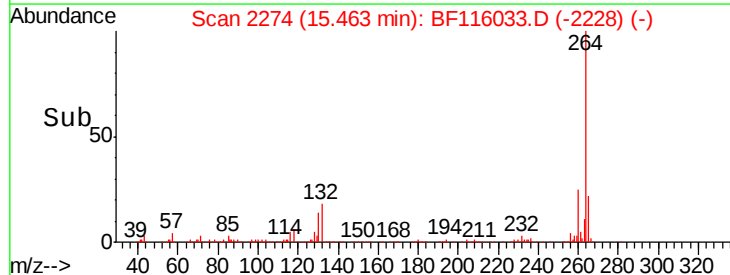
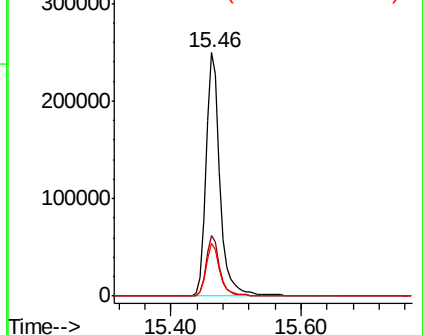


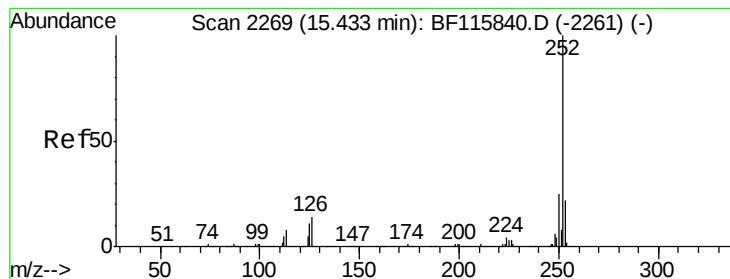
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.03 min
Lab File: BF116033.D
Acq: 7 Aug 2019 00:15

Tgt Ion:264 Resp: 370647
Ion Ratio Lower Upper
264 100
260 24.6 19.4 29.2
265 21.7 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





#90

Benzo(a)pyrene

Concen: 0.066 ng

RT: 15.46 min Scan# 2274

Delta R.T. 0.03 min

Lab File: BF116033.D

Acq: 7 Aug 2019 00:15

Instrument :

BNA_F

ClientSampleId :

1S-F1-F4-COMP-(30)

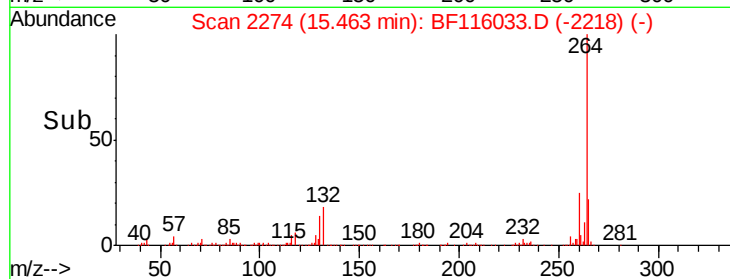
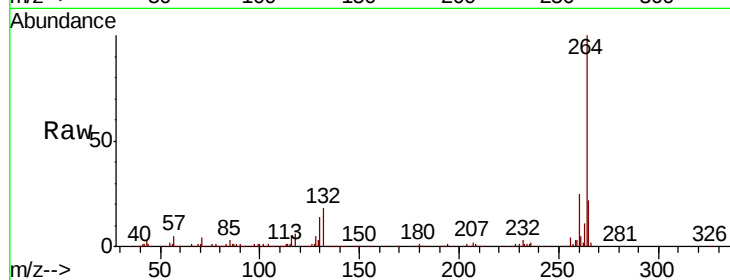
Tot Ion: 252 Resp: 1274

Ion Ratio Lower Upper

252 100

253 38.1 17.8 26.6#

125 72.2 8.8 13.2#



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

