

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
 Data File : BF116021.D
 Acq On : 6 Aug 2019 18:55
 Operator : HP/JU
 Sample : K4135-21
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1S-A1-A4-COMP-(0-1)

Quant Time: Aug 07 04:36:55 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	120665	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	463444	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	245453	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	445340	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	344211	20.00	ng	-0.03
87) Perylene-d12	15.46	264	380927	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	890462	123.54	ng	0.00
7) Phenol-d6	6.48	99	1031521	113.43	ng	0.00
23) Nitrobenzene-d5	7.40	82	838122	104.39	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	365617	153.64	ng	-0.02
45) 2-Fluorobiphenyl	9.20	172	1430430	109.16	ng	-0.02
79) Terphenyl-d14	12.95	244	1690322	103.48	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) n-Nitrosodimethylamine	3.55	42	109	0.027	ng	# 1
6) Aniline	6.62	93	1347	0.103	ng	# 1
8) 2-Chlorophenol	6.63	128	144	0.018	ng	# 1
9) Benzaldehyde	6.47	77	1394	0.222	ng	# 1
10) Phenol	6.62	94	2131	0.199	ng	# 1
11) bis(2-Chloroethyl)ether	6.62	93	1347	0.171	ng	# 1
15) Benzyl Alcohol	7.00	79	13580	1.968	ng	# 45
16) 2,2'-oxybis(1-Chloropropan	7.11	45	147	0.014	ng	# 65
22) Acetophenone	7.27	105	691	0.068	ng	# 52
24) Nitrobenzene	7.40	77	2484	0.287	ng	# 36
31) Naphthalene	8.15	128	1798	0.082	ng	# 68
37) 2-Methylnaphthalene	8.85	142	513	0.036	ng	# 76
38) 1-Methylnaphthalene	8.94	142	416	0.031	ng	# 76
46) 1,1'-Biphenyl	9.30	154	2826	0.163	ng	# 94
48) 2-Nitroaniline	9.20	65	2401	0.504	ng	# 3
49) Acenaphthylene	9.91	152	249	0.012	ng	# 1
52) Acenaphthene	9.91	154	483	0.037	ng	# 92
55) Dibenzofuran	10.09	168	174	0.009	ng	# 45
60) Diethylphthalate	10.29	149	2171	0.139	ng	# 82
63) Azobenzene	10.66	77	1775	0.111	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.67	198	692	0.293	ng	# 1
66) n-Nitrosodiphenylamine	10.66	169	10461	0.780	ng	# 45
71) Phenanthrene	11.39	178	2631	0.116	ng	# 98
72) Anthracene	11.39	178	2631	0.114	ng	# 97
74) Di-n-butylphthalate	11.92	149	5119	0.210	ng	# 99
75) Fluoranthene	12.58	202	814	0.034	ng	# 64
77) Benzidine	12.95	184	22950	1.974	ng	# 96
78) Pyrene	12.82	202	690	0.027	ng	# 56
80) Butylbenzylphthalate	13.41	149	117	0.011	ng	# 23
81) Benzo(a)anthracene	14.00	228	934	0.042	ng	# 51
83) Chrysene	14.00	228	934	0.044	ng	# 48
84) Bis(2-ethylhexyl)phthalate	13.97	149	1068	0.075	ng	# 92
90) Benzo(a)pyrene	15.46	252	1192	0.061	ng	# 36

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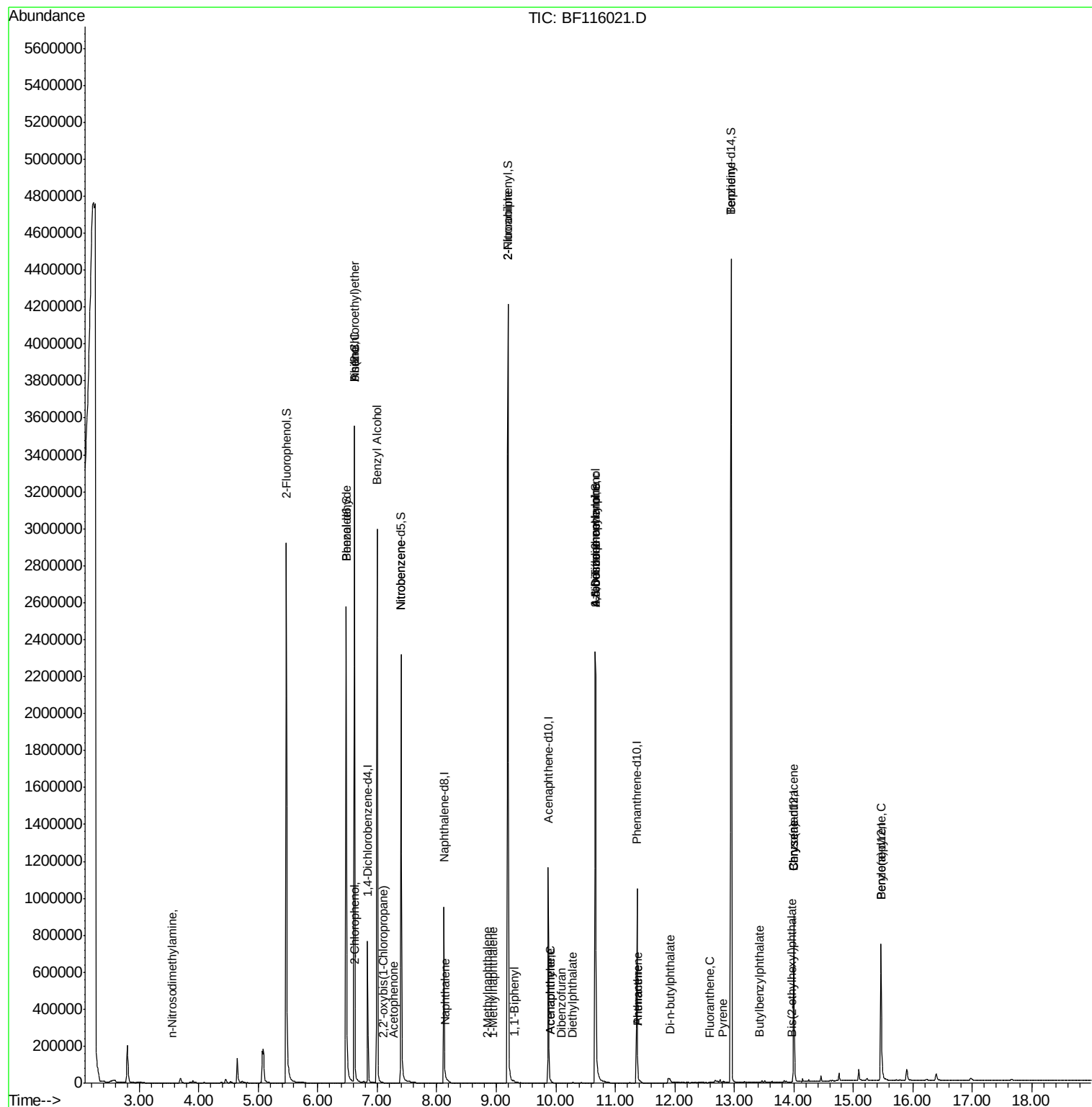
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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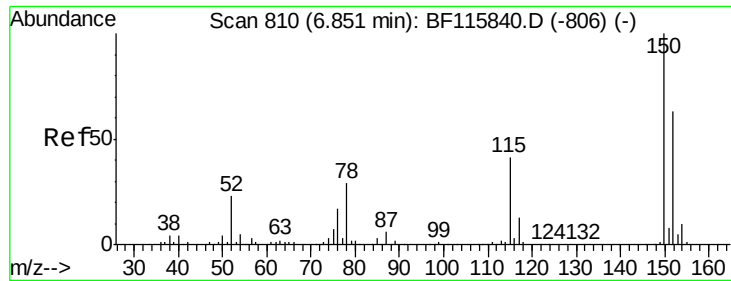
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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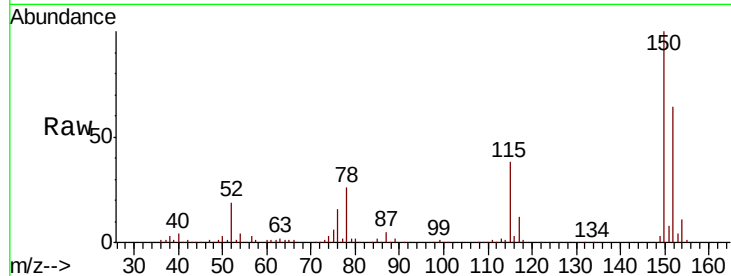


#1

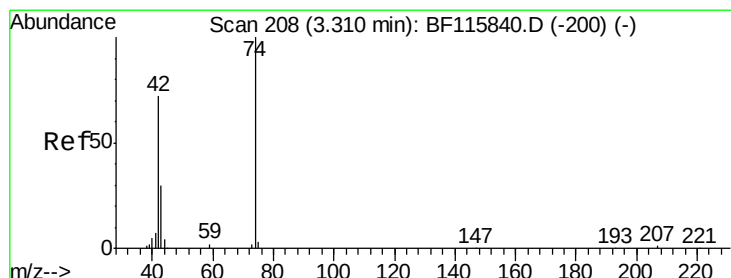
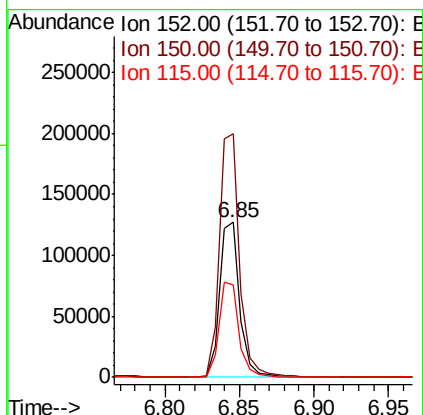
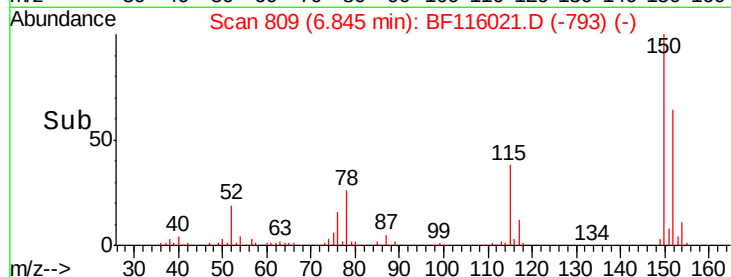
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116021.D
Acq: 6 Aug 2019 18:55

Instrument :
BNA_F
ClientSampleId :
1S-A1-A4-COMP-(0-1)

Tot Ion:152 Resp: 120665
Ion Ratio Lower Upper
152 100
150 157.4 127.4 191.0
115 60.1 51.8 77.8



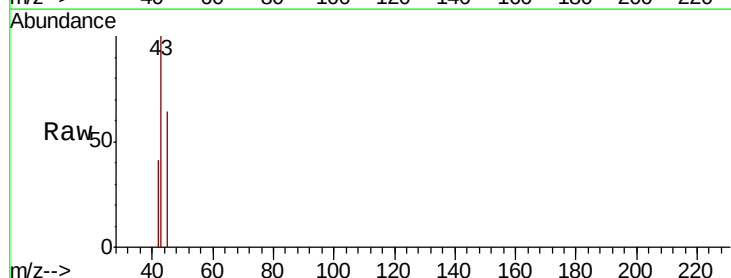
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



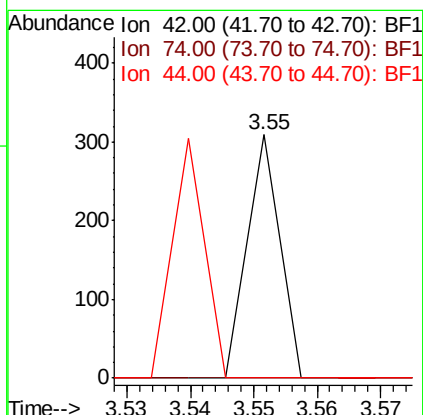
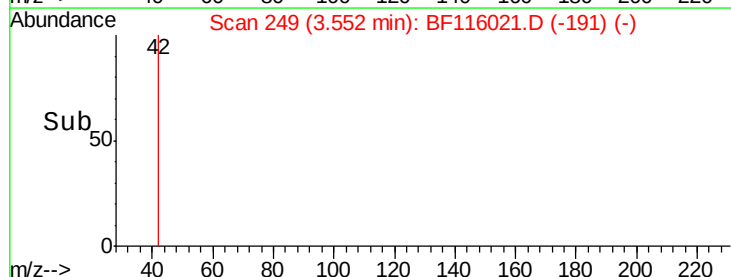
#4

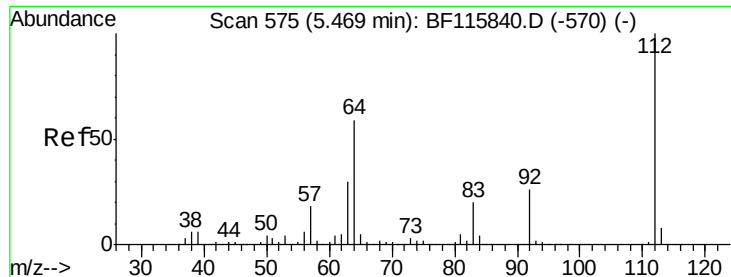
n-Nitrosodimethylamine
Concen: 0.027 ng
RT: 3.55 min Scan# 249
Delta R.T. 0.24 min
Lab File: BF116021.D
Acq: 6 Aug 2019 18:55

Tgt Ion: 42 Resp: 109
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: 123.539 ng

RT: 5.47 min Scan# 576

Delta R.T. 0.01 min

Lab File: BF116021.D

Acq: 6 Aug 2019 18:55

Instrument :

BNA_F

ClientSampleId :

1S-A1-A4-COMP-(0-1)

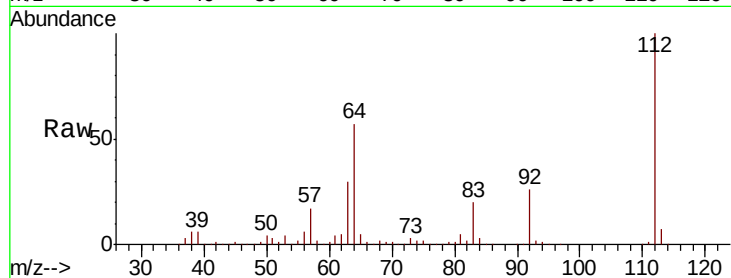
Tot Ion:112 Resp: 890462

Ion Ratio Lower Upper

112 100

64 57.2 46.8 70.2

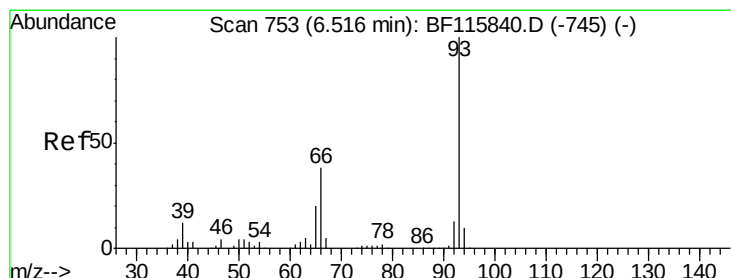
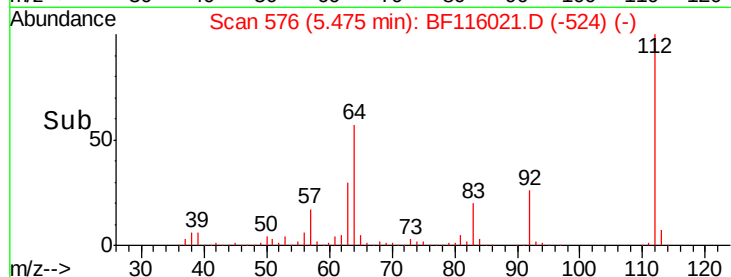
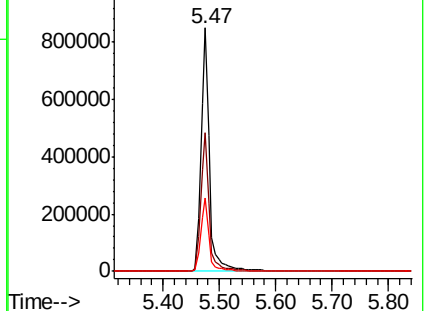
63 30.0 24.2 36.2



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 0.103 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.10 min

Lab File: BF116021.D

Acq: 6 Aug 2019 18:55

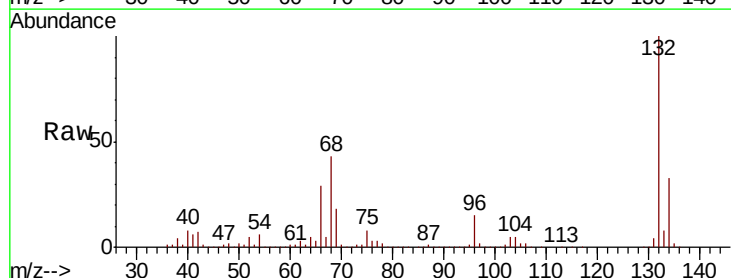
Tgt Ion: 93 Resp: 1347

Ion Ratio Lower Upper

93 100

66 17251.5 31.4 47.0#

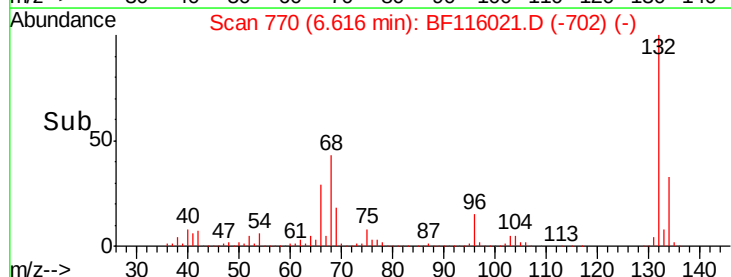
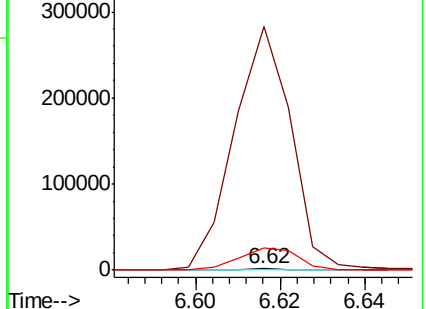
65 1597.1 16.5 24.7#

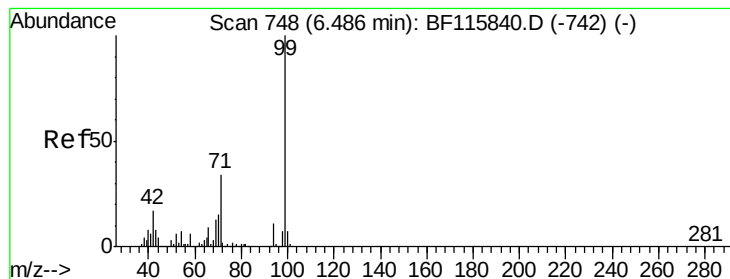


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 113.428 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116021.D

Acq: 6 Aug 2019 18:55

Instrument :

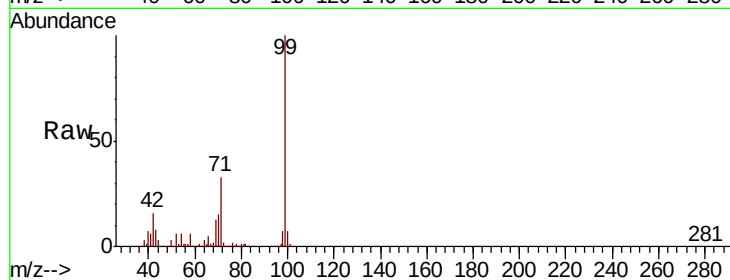
BNA_F

ClientSampleId :

1S-A1-A4-COMP-(0-1)

Tot Ion: 99 Resp: 1031521

Ion	Ratio	Lower	Upper
99	100		
42	16.1	13.8	20.6
71	32.6	27.1	40.7

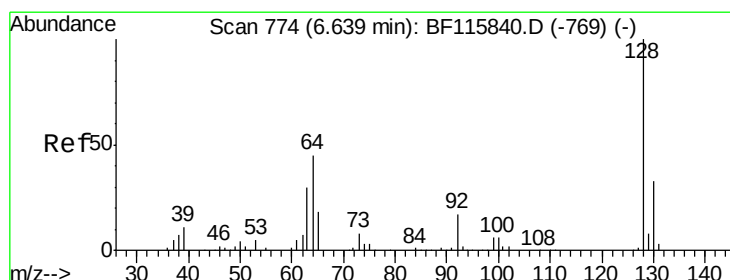
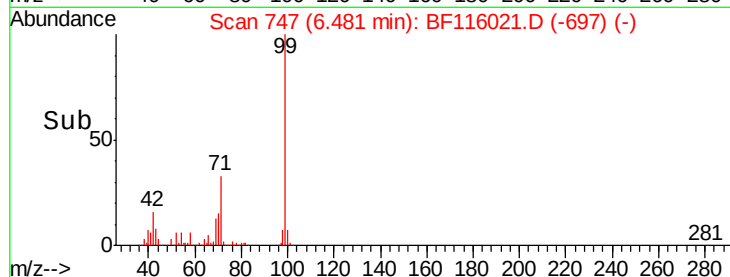
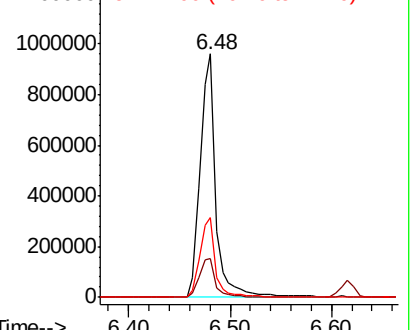


Abundance

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: 0.018 ng

RT: 6.63 min Scan# 773

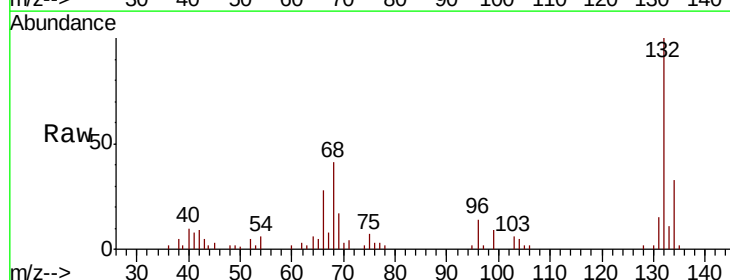
Delta R.T. -0.01 min

Lab File: BF116021.D

Acq: 6 Aug 2019 18:55

Tgt Ion: 128 Resp: 144

Ion	Ratio	Lower	Upper
128	100		
130	83.3	12.9	52.9#
64	294.9	26.1	66.1#

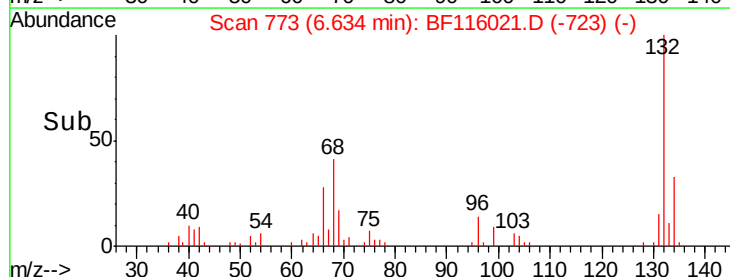
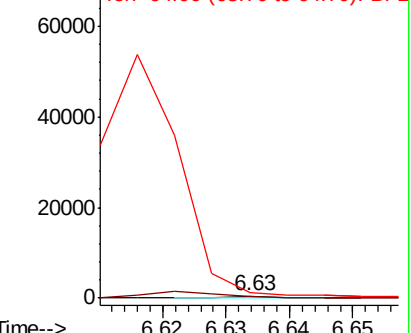


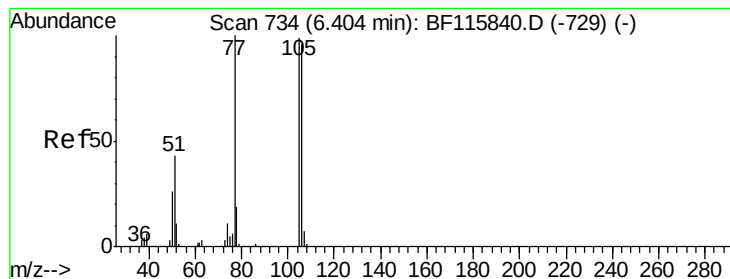
Abundance

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: 0.222 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.07 min

Lab File: BF116021.D

Acq: 6 Aug 2019 18:55

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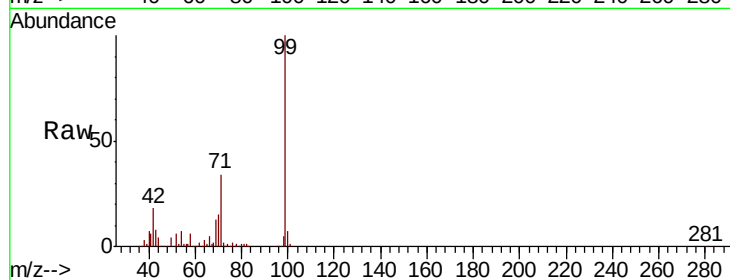
Tot Ion: 77 Resp: 1394

Ion Ratio Lower Upper

77 100

105 0.0 79.0 119.0#

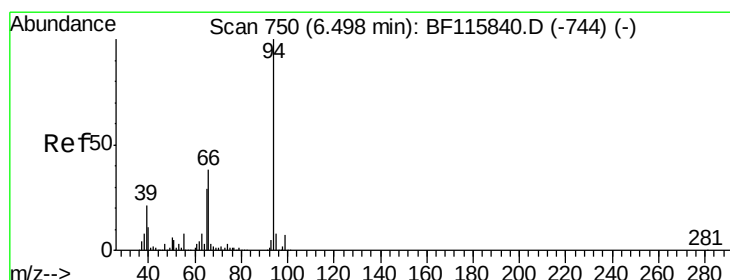
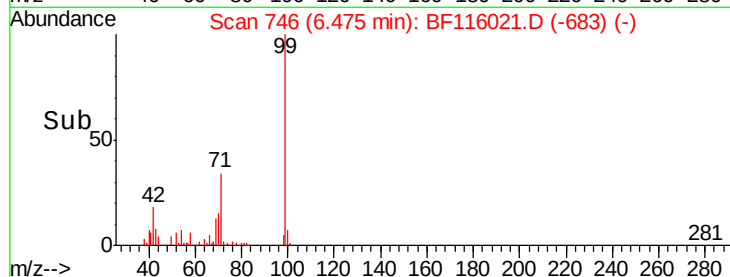
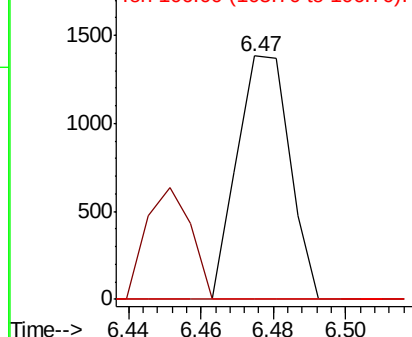
106 0.0 76.2 116.2#



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: 0.199 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.12 min

Lab File: BF116021.D

Acq: 6 Aug 2019 18:55

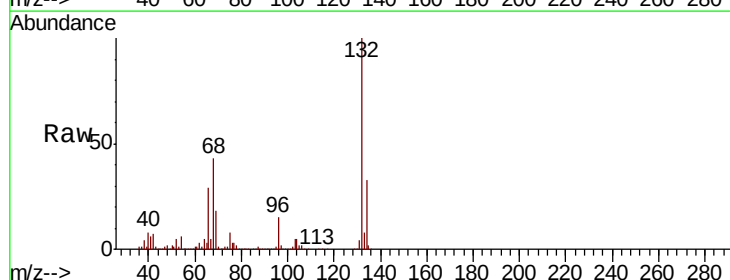
Tgt Ion: 94 Resp: 2131

Ion Ratio Lower Upper

94 100

65 1192.5 8.9 48.9#

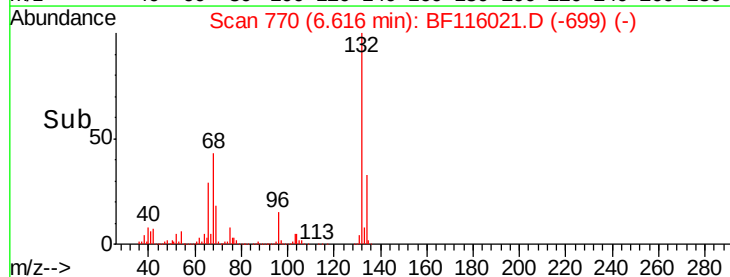
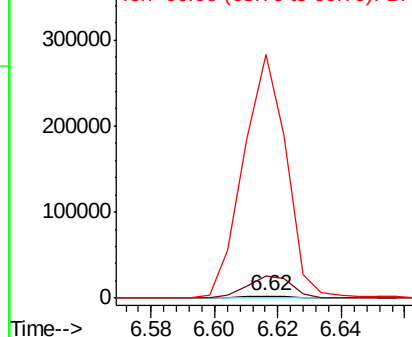
66 12881.6 18.0 58.0#

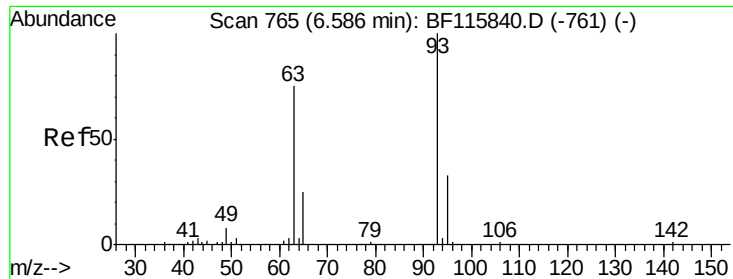


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 0.171 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.03 min

Lab File: BF116021.D

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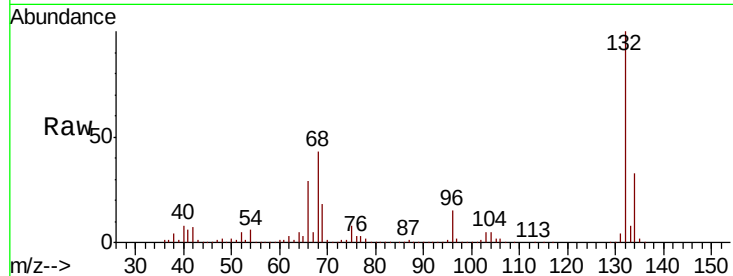
Tot Ion: 93 Resp: 1347

Ion Ratio Lower Upper

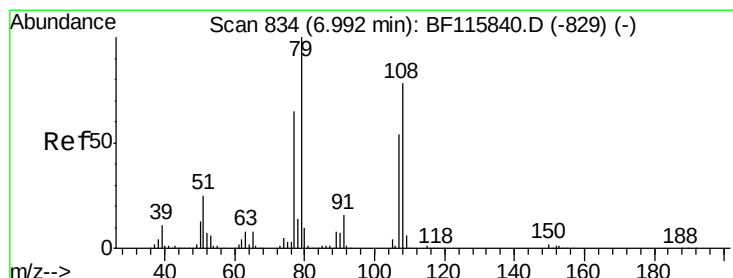
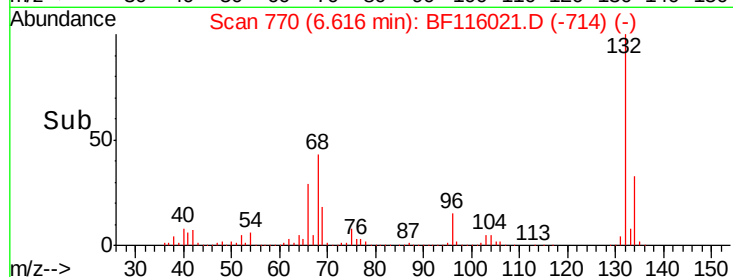
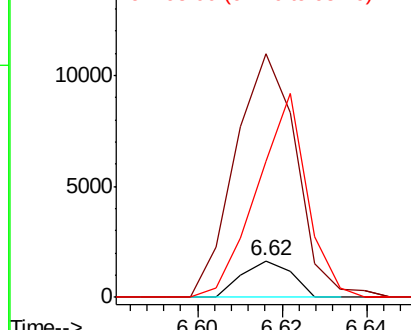
93 100

63 669.7 54.9 94.9#

95 374.9 13.3 53.3#



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1



#15

Benzyl Alcohol

Concen: 1.968 ng

RT: 7.00 min Scan# 835

Delta R.T. 0.01 min

Lab File: BF116021.D

Acq: 6 Aug 2019 18:55

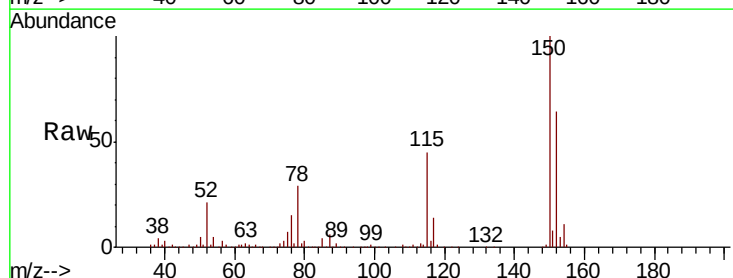
Tgt Ion: 79 Resp: 13580

Ion Ratio Lower Upper

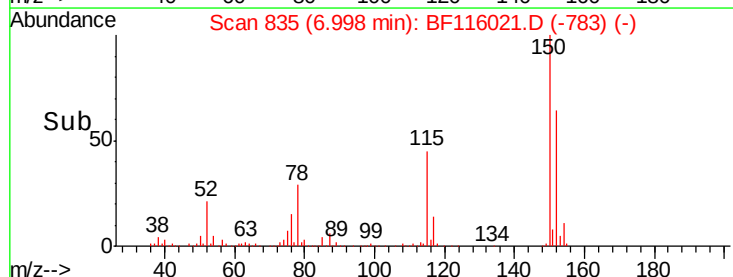
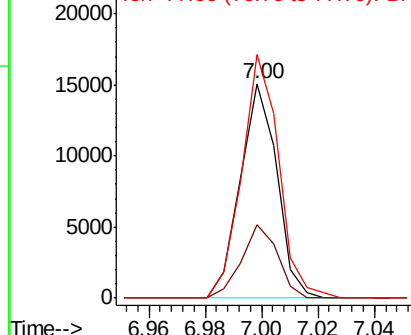
79 100

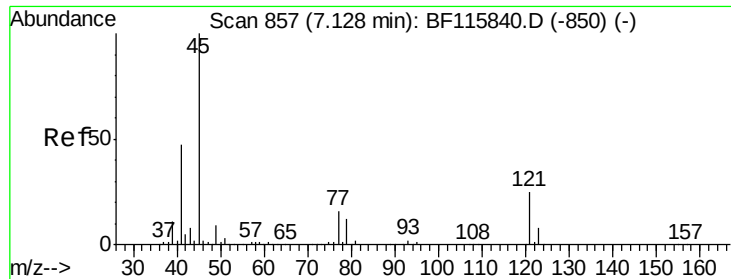
108 34.2 62.8 94.2#

77 113.4 52.0 78.0#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1

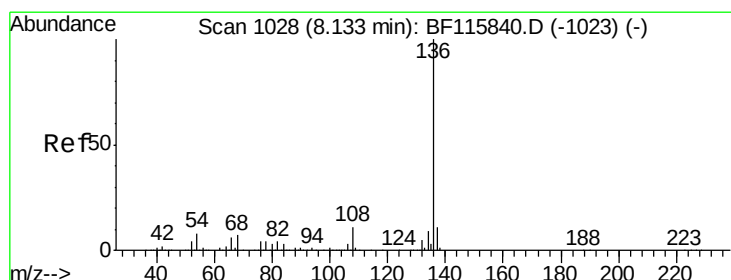
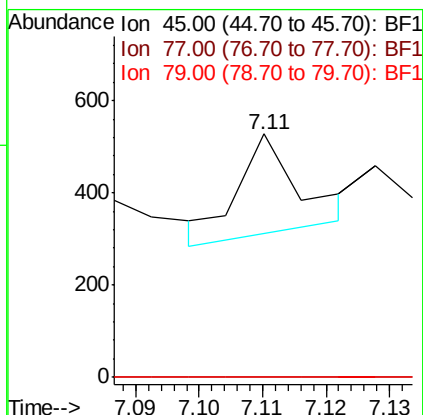
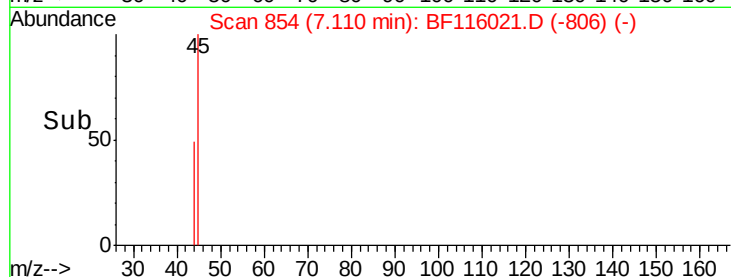
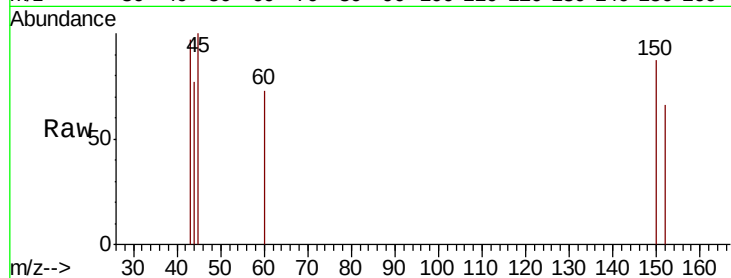




#16
2,2'-oxvbis(1-chloropropane)
Concen: 0.014 ng
RT: 7.11 min Scan# 854
Delta R.T. -0.02 min
Lab File: BF116021.D
Acq: 6 Aug 2019 18:55

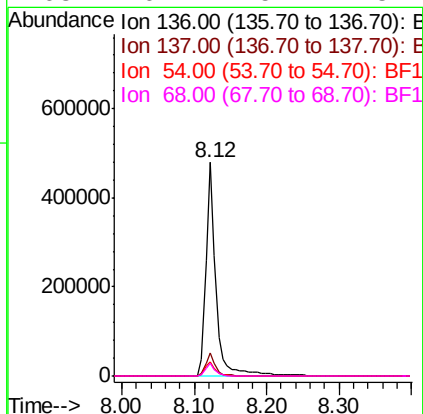
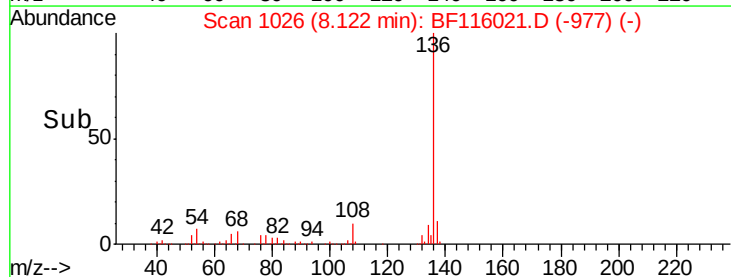
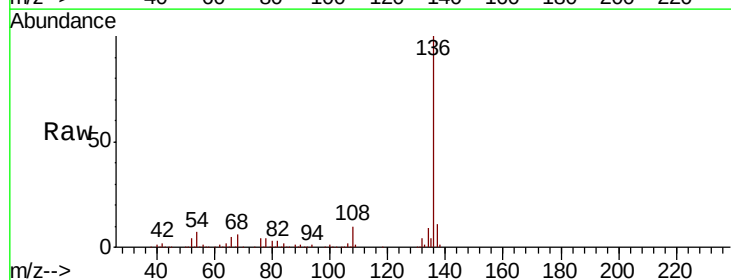
Instrument :
BNA_F
ClientSampleId :
1S-A1-A4-COMP-(0-1)

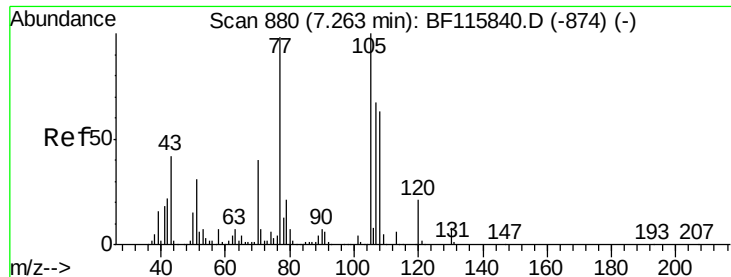
Tot Ion:	45	Resp:	147
Ion	Ratio	Lower	Upper
45	100		
77	0.0	0.0	36.3
79	0.0	0.0	32.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF116021.D
Acq: 6 Aug 2019 18:55

Tgt Ion:	136	Resp:	463444
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	6.8	6.1	9.1
68	6.1	5.4	8.2





#22

Acetophenone

Concen: 0.068 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.01 min

Lab File: BF116021.D

Acq: 6 Aug 2019 18:55

Instrument :

BNA_F

ClientSampleId :

1S-A1-A4-COMP-(0-1)

Tot Ion:105 Resp: 691

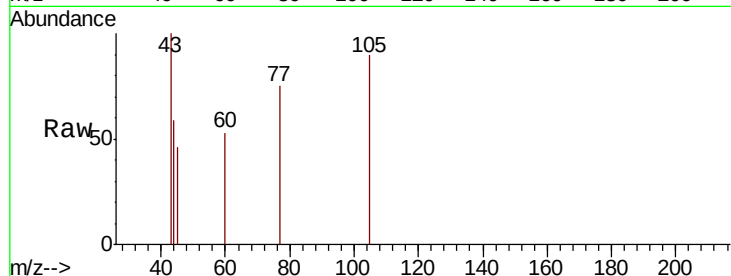
Ion Ratio Lower Upper

105 100

71 0.0 5.4 8.0#

51 0.0 24.6 36.8#

120 0.0 17.0 25.6#

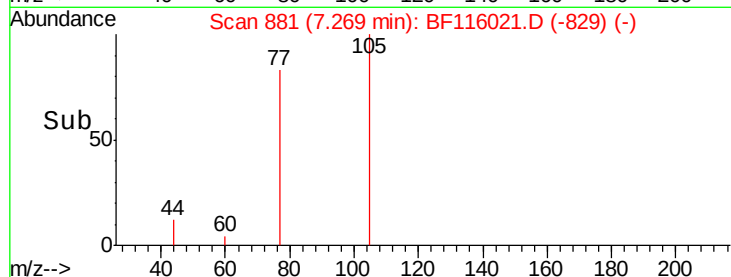
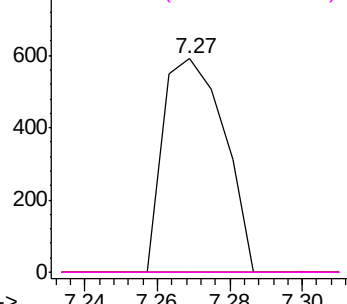


Abundance Ion 105.00 (104.70 to 105.70): E

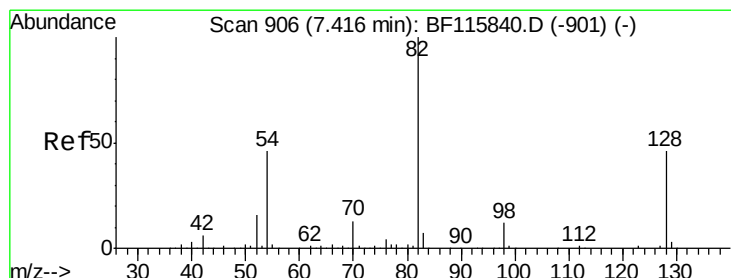
Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



Time-->



#23

Nitrobenzene-d5

Concen: 104.390 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF116021.D

Acq: 6 Aug 2019 18:55

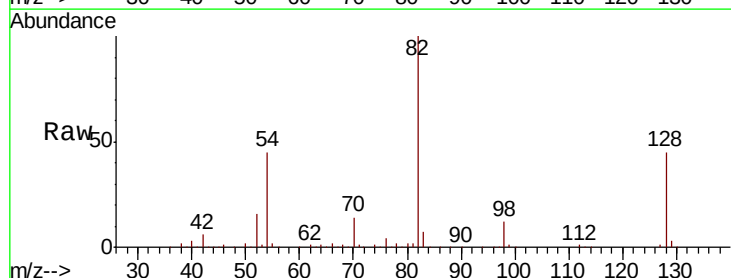
Tgt Ion: 82 Resp: 838122

Ion Ratio Lower Upper

82 100

128 45.5 36.6 55.0

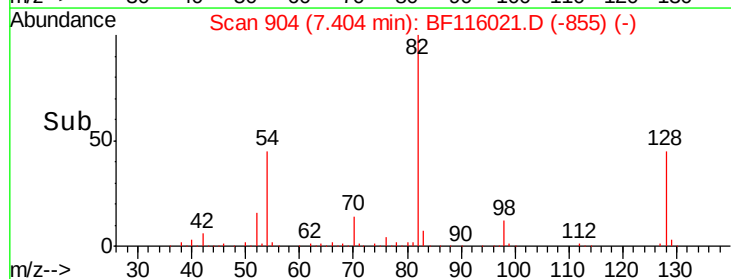
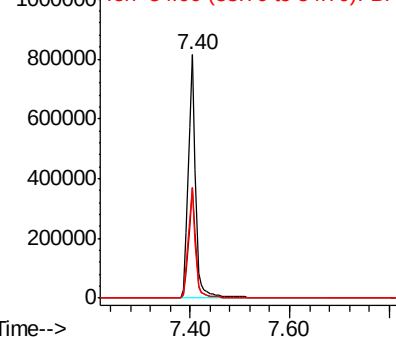
54 45.1 36.6 55.0

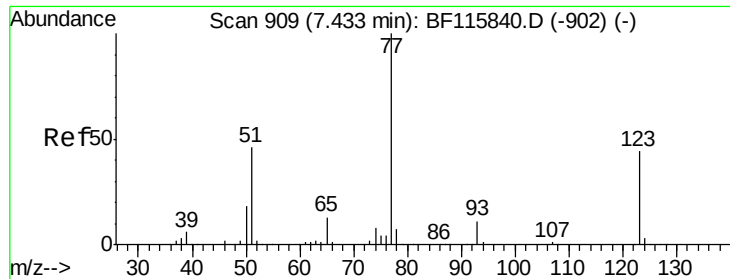


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#24

Nitrobenzene

Concen: 0.287 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.03 min

Lab File: BF116021.D

Acq: 6 Aug 2019 18:55

Instrument :

BNA_F

ClientSampleId :

1S-A1-A4-COMP-(0-1)

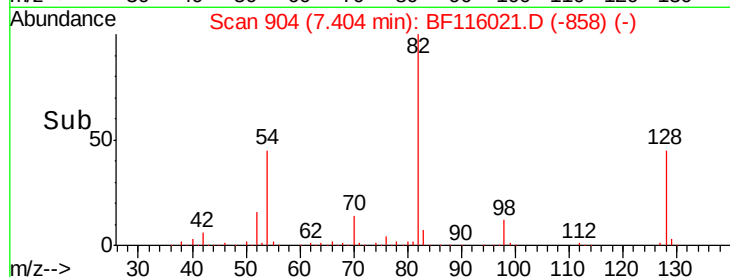
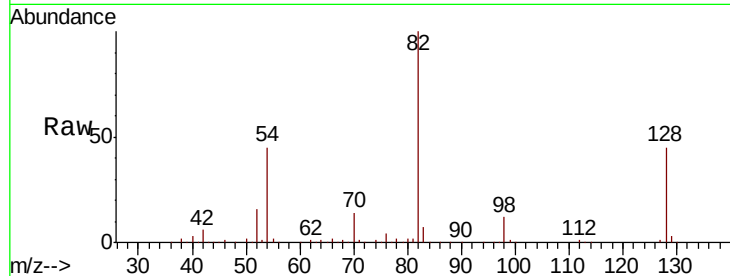
Tot Ion: 77 Resp: 2484

Ion Ratio Lower Upper

77 100

123 0.0 35.5 53.3#

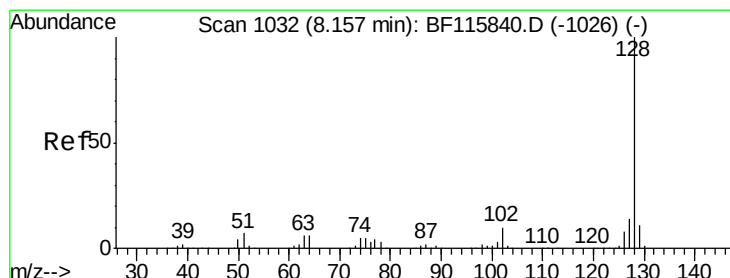
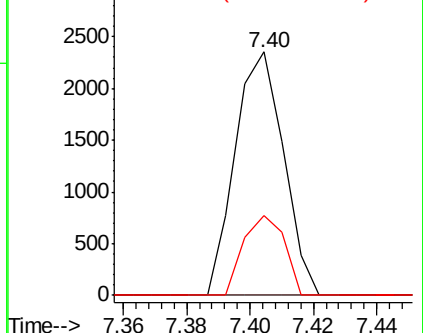
65 32.8 10.6 15.8#



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): E

Ion 65.00 (64.70 to 65.70): BF1



#31

Naphthalene

Concen: 0.082 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF116021.D

Acq: 6 Aug 2019 18:55

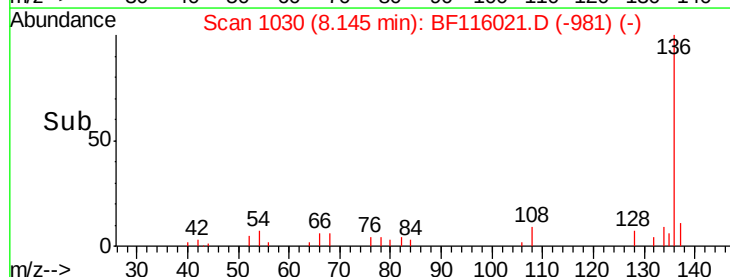
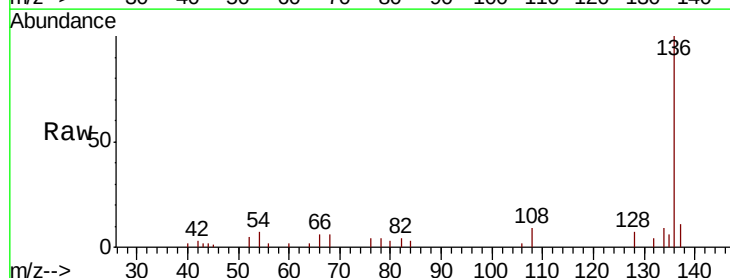
Tgt Ion: 128 Resp: 1798

Ion Ratio Lower Upper

128 100

129 0.0 9.2 13.8#

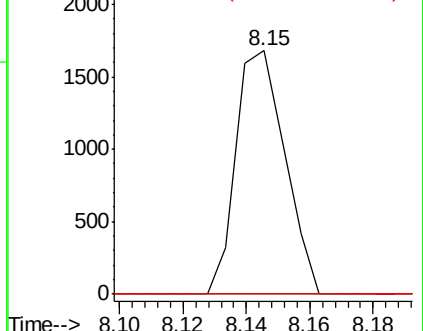
127 0.0 11.0 16.4#

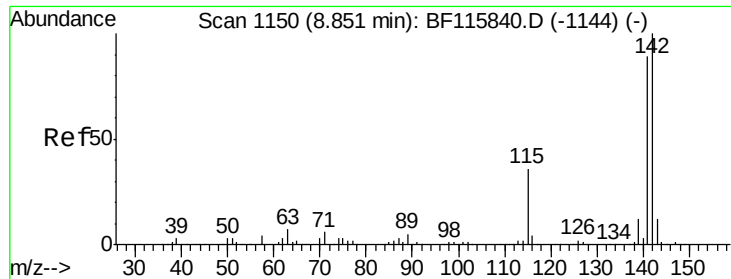


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

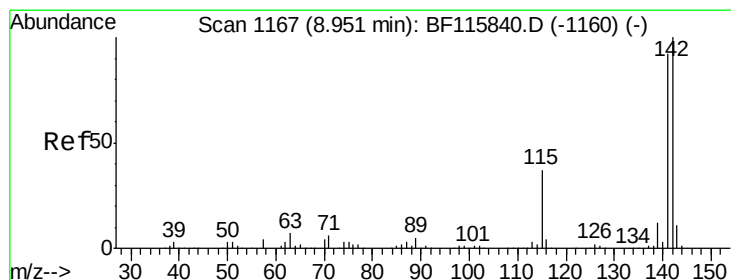
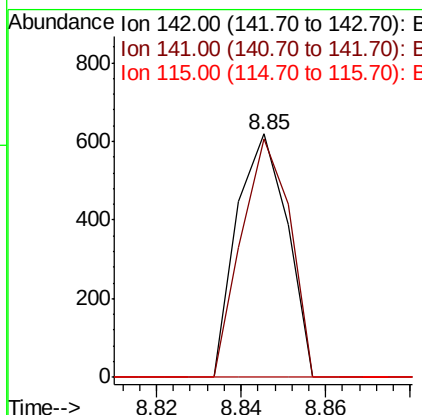
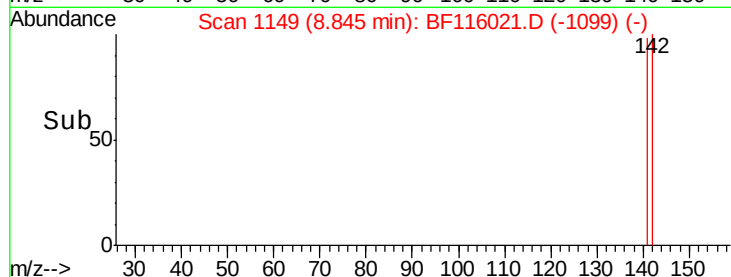
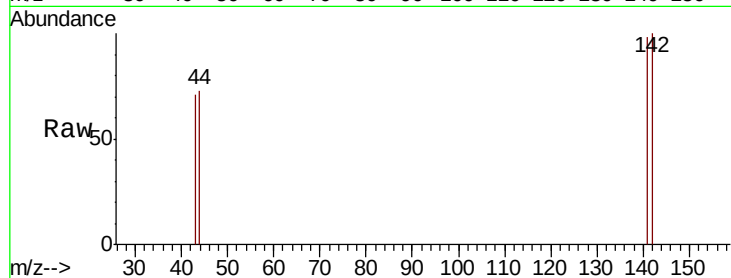




#37
2-Methylnaphthalene
Concen: 0.036 ng
RT: 8.85 min Scan# 1149
Delta R.T. -0.01 min
Lab File: BF116021.D
Acq: 6 Aug 2019 18:55

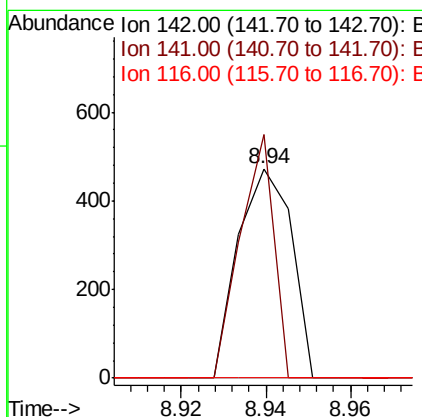
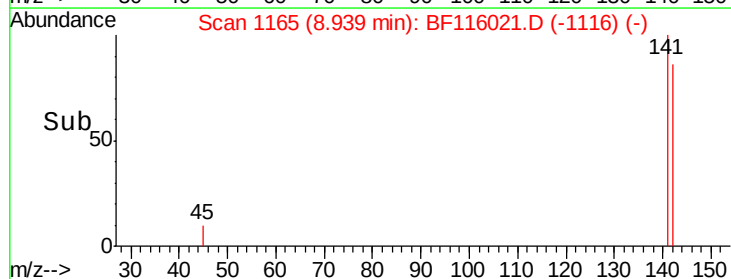
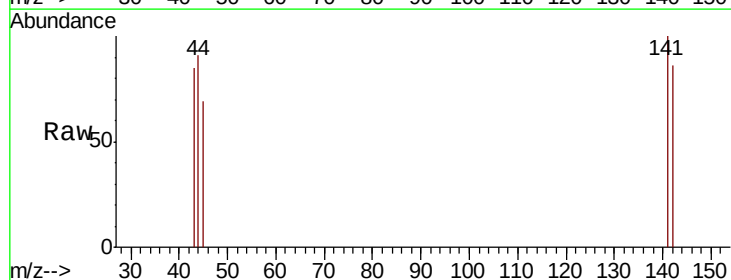
Instrument :
BNA_F
ClientSampleId :
1S-A1-A4-COMP-(0-1)

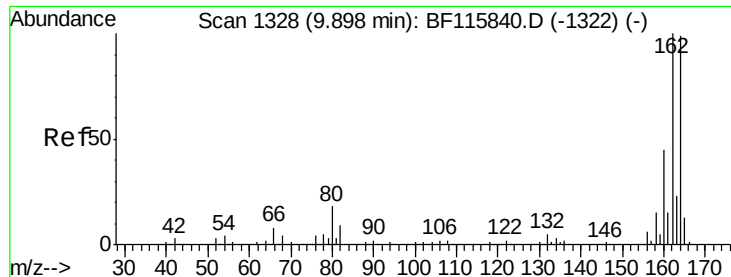
Tot Ion:142 Resp: 513
Ion Ratio Lower Upper
142 100
141 98.1 71.4 107.2
115 0.0 28.9 43.3#



#38
1-Methylnaphthalene
Concen: 0.031 ng
RT: 8.94 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF116021.D
Acq: 6 Aug 2019 18:55

Tgt Ion:142 Resp: 416
Ion Ratio Lower Upper
142 100
141 116.1 73.8 110.6#
116 0.0 3.1 4.7#

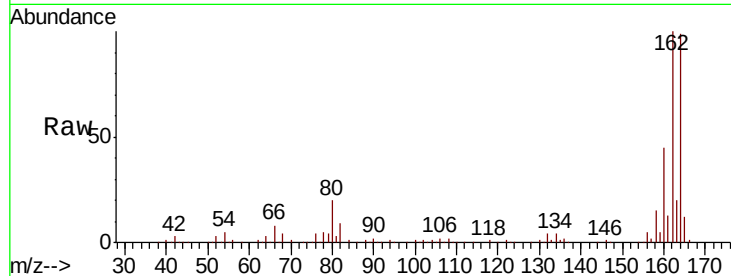




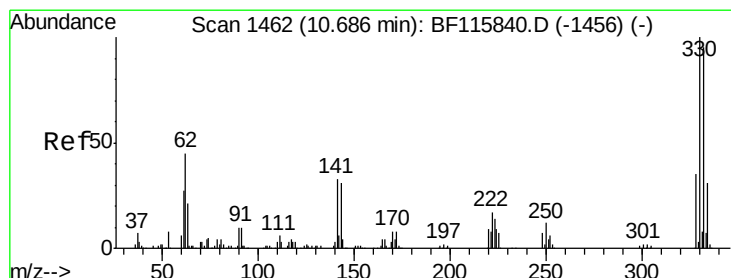
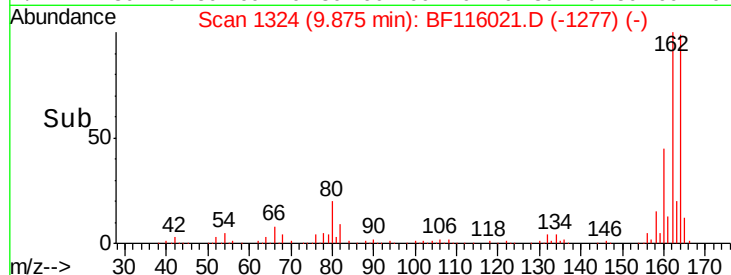
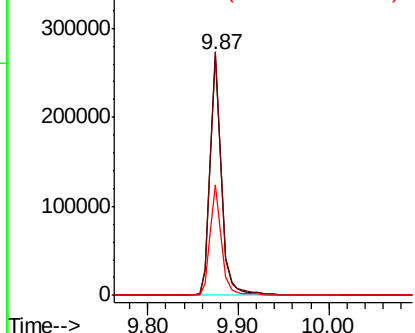
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.02 min
Lab File: BF116021.D
Acq: 6 Aug 2019 18:55

Instrument :
BNA_F
ClientSampleId :
1S-A1-A4-COMP-(0-1)

Tot Ion:164 Resp: 245453
Ion Ratio Lower Upper
164 100
162 101.4 80.8 121.2
160 45.8 36.2 54.4

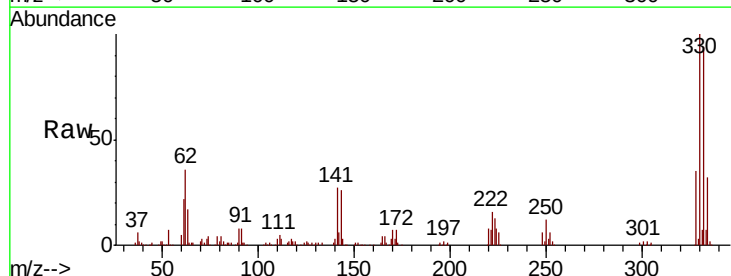


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

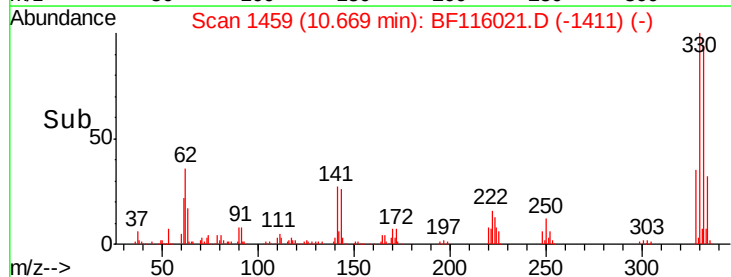
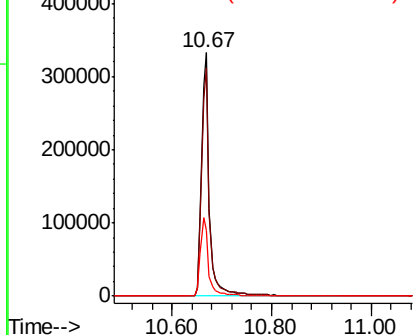


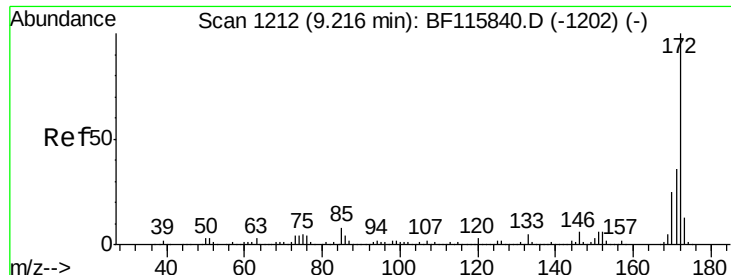
#42
2,4,6-Tribromophenol
Concen: 153.638 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.02 min
Lab File: BF116021.D
Acq: 6 Aug 2019 18:55

Tgt Ion:330 Resp: 365617
Ion Ratio Lower Upper
330 100
332 93.7 77.7 116.5
141 33.3 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



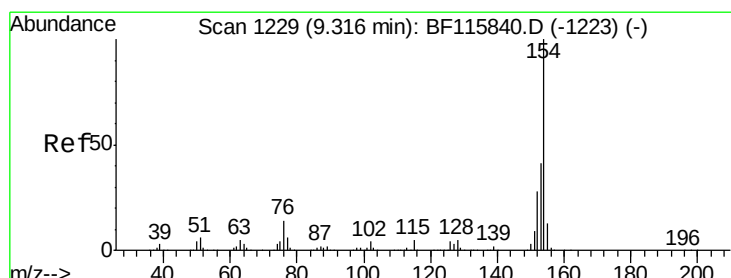
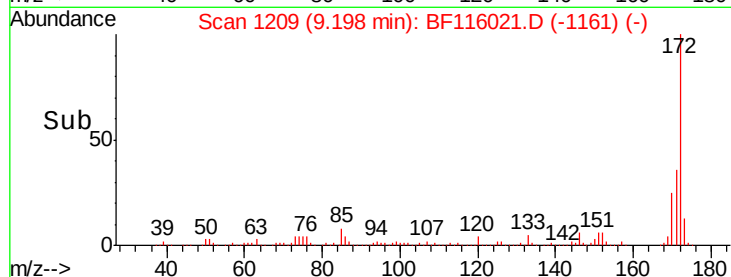
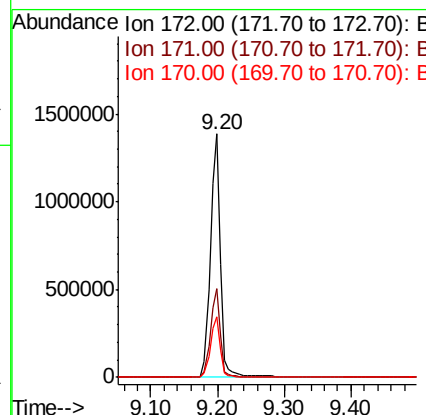
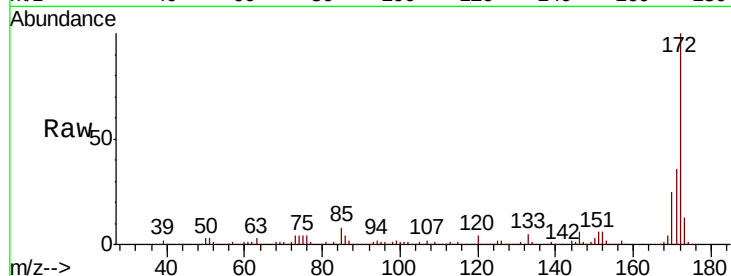


#45
 2-Fluorobiphenyl
 Concen: 109.157 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.02 min
 Lab File: BF116021.D
 Acq: 6 Aug 2019 18:55

Instrument :
 BNA_F
 ClientSampleId :
 1S-A1-A4-COMP-(0-1)

Tot Ion:172 Resp: 1430430

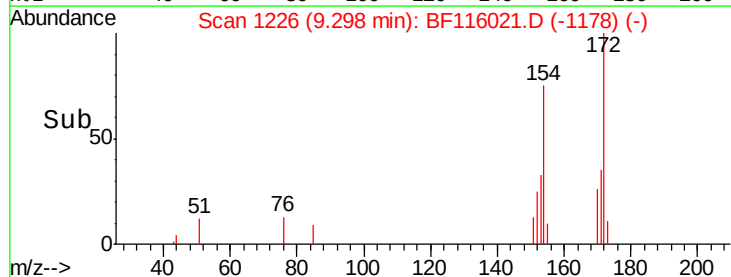
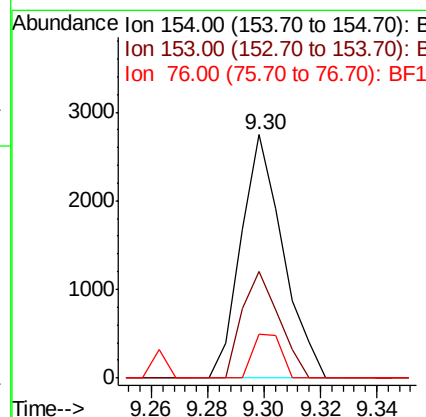
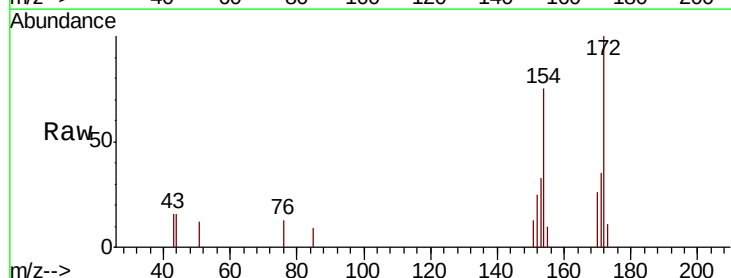
Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.1	43.7
170	25.1	20.1	30.1

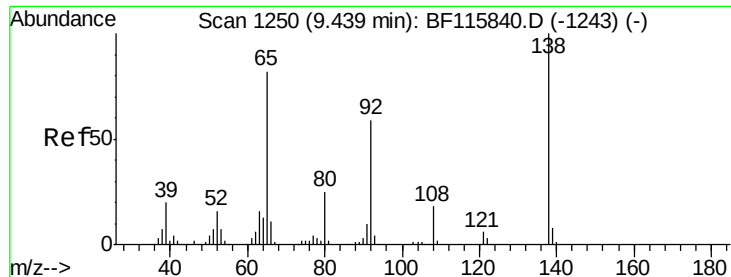


#46
 1,1'-Biphenyl
 Concen: 0.163 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.02 min
 Lab File: BF116021.D
 Acq: 6 Aug 2019 18:55

Tgt Ion:154 Resp: 2826

Ion	Ratio	Lower	Upper
154	100		
153	43.7	20.9	60.9
76	17.9	0.0	34.3

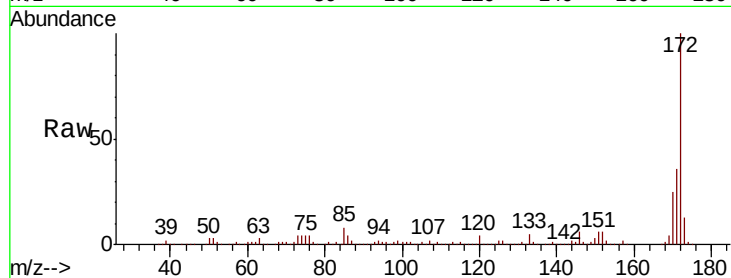




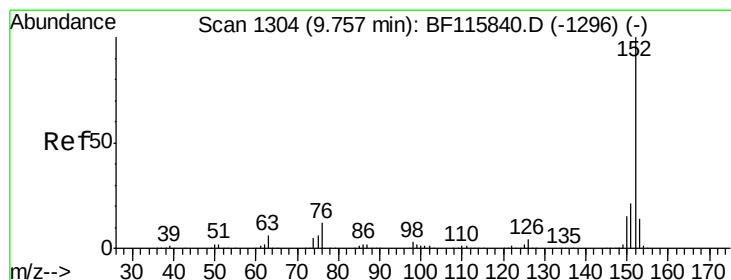
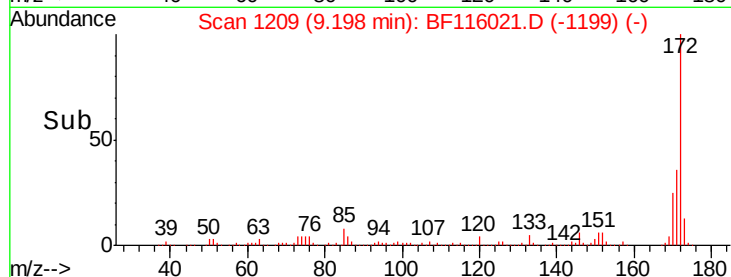
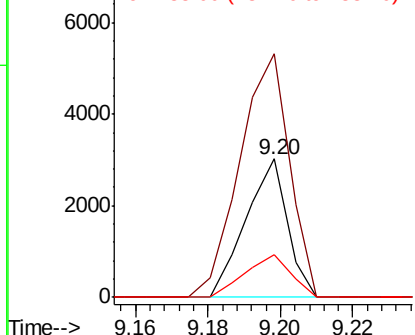
#48
2-Nitroaniline
Concen: 0.504 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.24 min
Lab File: BF116021.D
Acq: 6 Aug 2019 18:55

Instrument :
BNA_F
ClientSampleId :
1S-A1-A4-COMP-(0-1)

Tot Ion: 65 Resp: 2401
Ion Ratio Lower Upper
65 100
92 175.8 57.1 85.7#
138 31.2 97.1 145.7#

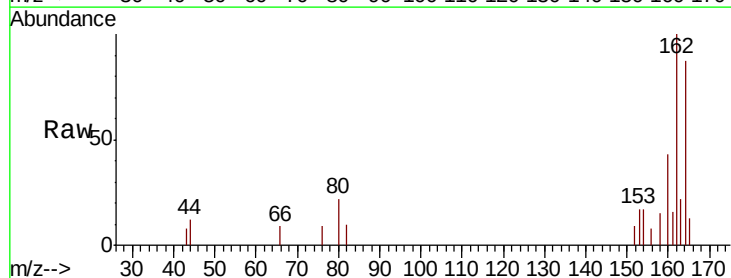


Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

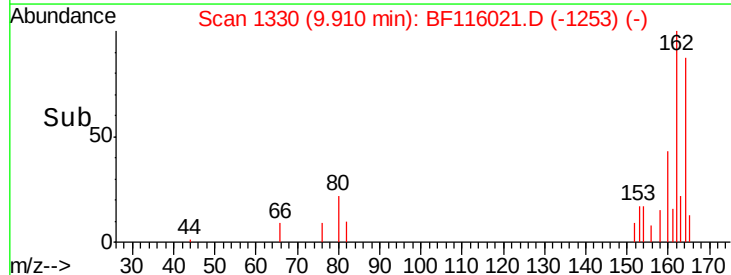
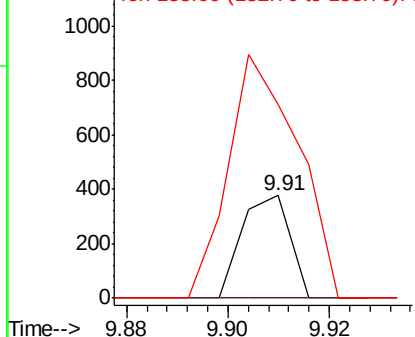


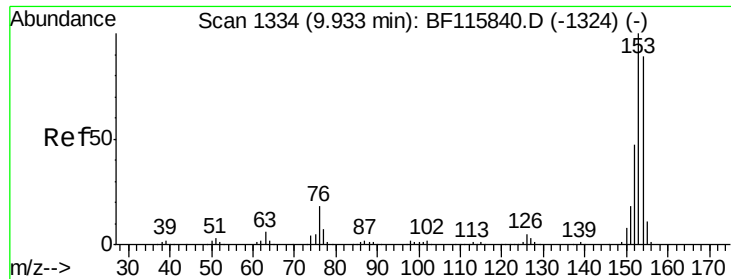
#49
Acenaphthylene
Concen: 0.012 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.15 min
Lab File: BF116021.D
Acq: 6 Aug 2019 18:55

Tgt Ion: 152 Resp: 249
Ion Ratio Lower Upper
152 100
151 0.0 16.8 25.2#
153 188.9 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





#52

Acenaphthene

Concen: 0.037 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.02 min

Lab File: BF116021.D

Acq: 6 Aug 2019 18:55

Instrument :

BNA_F

ClientSampleId :

1S-A1-A4-COMP-(0-1)

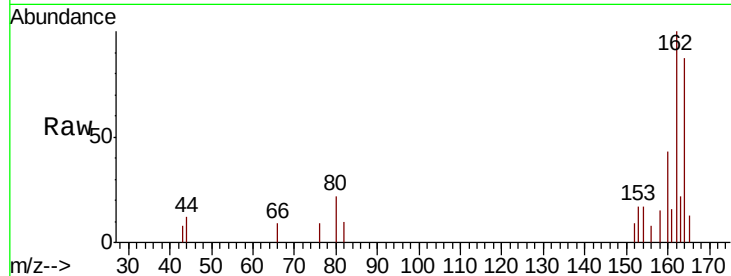
Tot Ion:154 Resp: 483

Ion Ratio Lower Upper

154 100

153 100.0 90.1 135.1

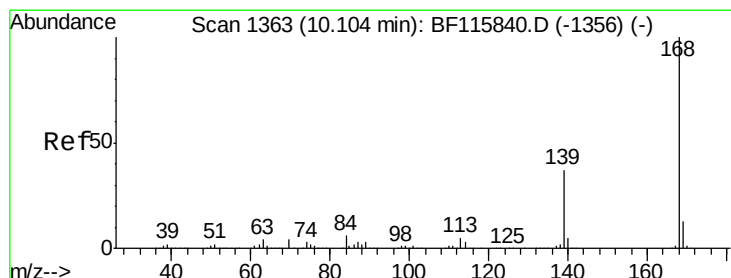
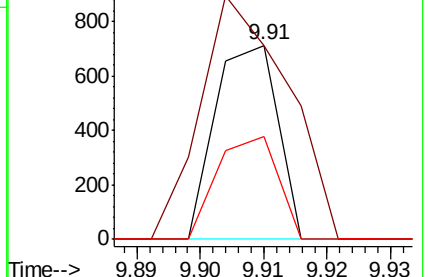
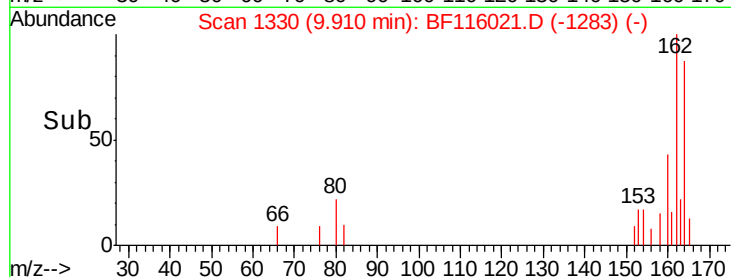
152 52.9 42.6 63.8



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: 0.009 ng

RT: 10.09 min Scan# 1361

Delta R.T. -0.01 min

Lab File: BF116021.D

Acq: 6 Aug 2019 18:55

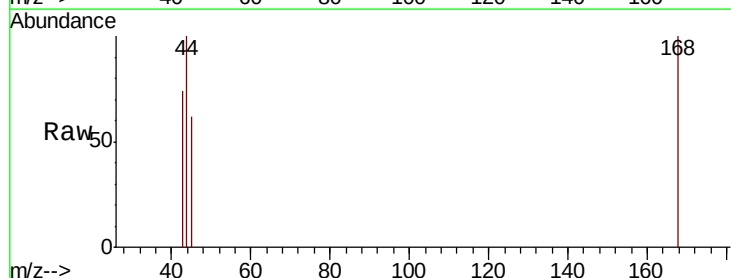
Tgt Ion:168 Resp: 174

Ion Ratio Lower Upper

168 100

139 0.0 30.2 45.2#

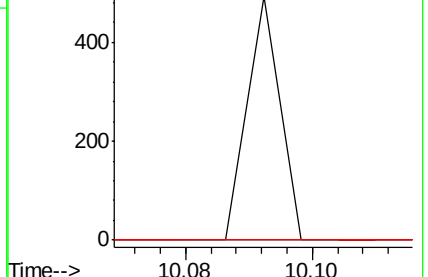
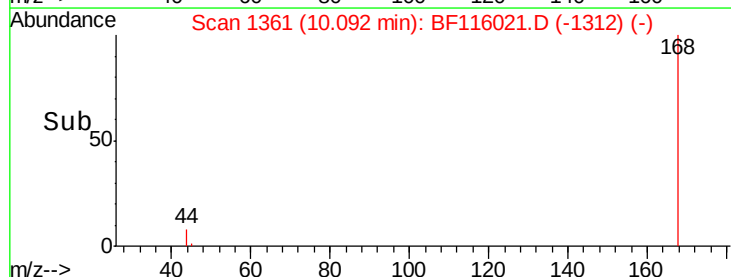
169 0.0 10.8 16.2#

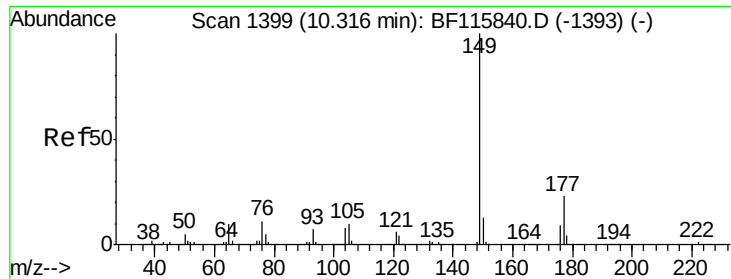


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#60

Diethylphthalate

Concen: 0.139 ng

RT: 10.29 min Scan# 1395

Delta R.T. -0.02 min

Lab File: BF116021.D

Acq: 6 Aug 2019 18:55

Instrument :

BNA_F

ClientSampleId :

1S-A1-A4-COMP-(0-1)

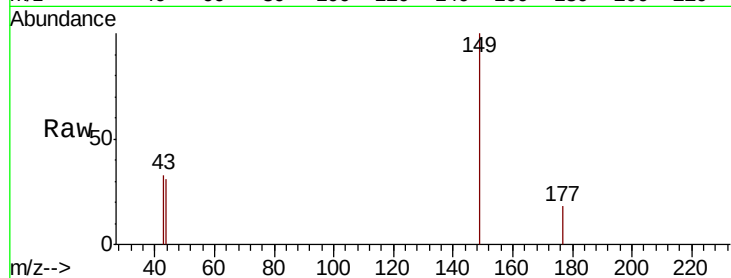
Tot Ion:149 Resp: 2171

Ion Ratio Lower Upper

149 100

177 18.2 18.4 27.6#

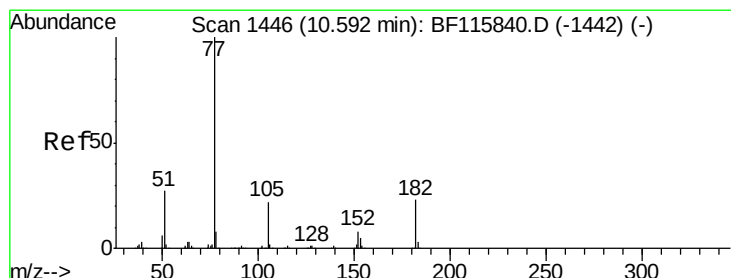
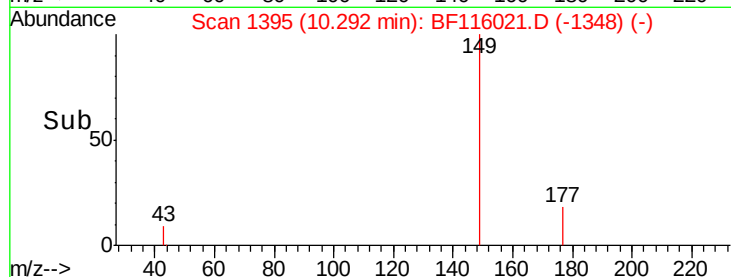
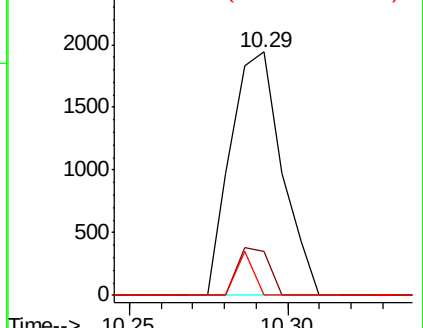
150 0.0 10.1 15.1#



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: 0.111 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.07 min

Lab File: BF116021.D

Acq: 6 Aug 2019 18:55

Tgt Ion: 77 Resp: 1775

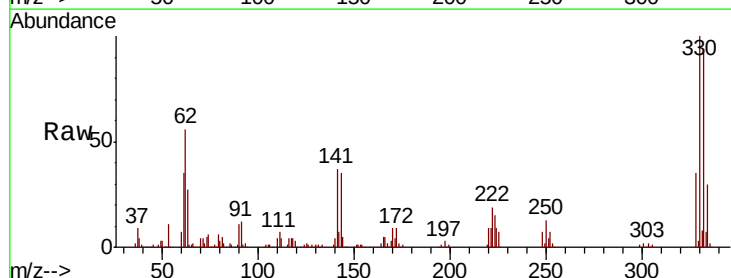
Ion Ratio Lower Upper

77 100

182 0.0 2.6 42.6#

105 81.0 1.6 41.6#

51 67.3 7.4 47.4#

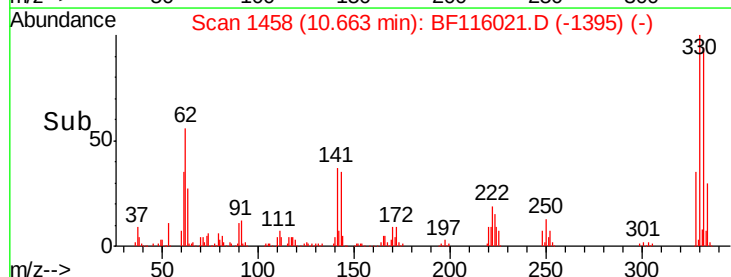
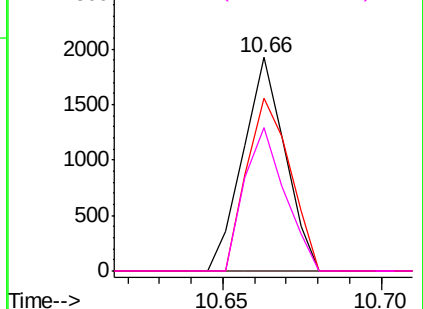


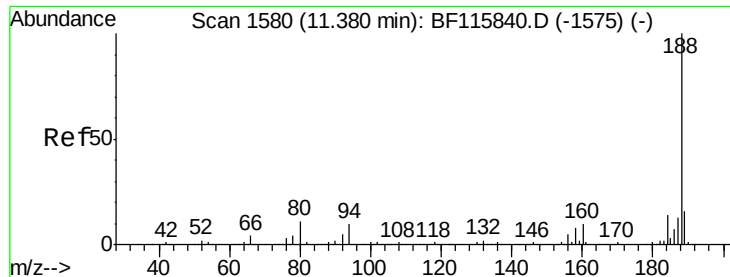
Abundance Ion 77.00 (76.70 to 77.70): BF1

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: BF116021.D

Acq: 6 Aug 2019 18:55

Instrument :

BNA_F

ClientSampleId :

1S-A1-A4-COMP-(0-1)

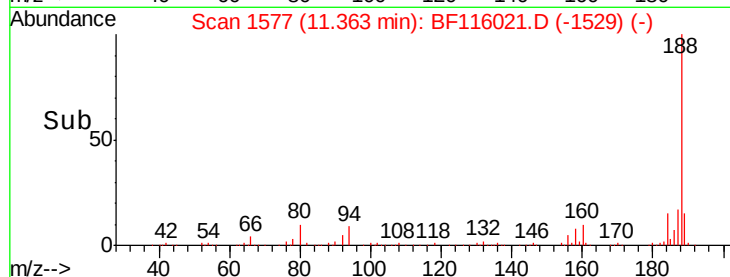
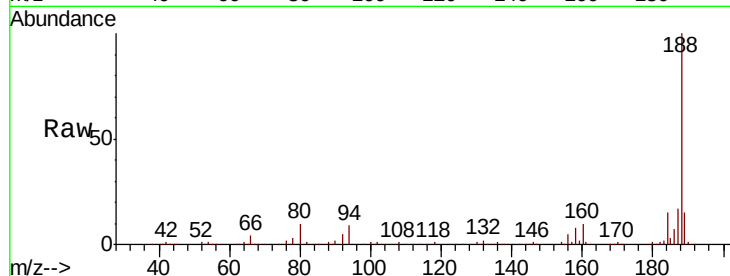
Tot Ion:188 Resp: 445340

Ion Ratio Lower Upper

188 100

94 9.0 8.0 12.0

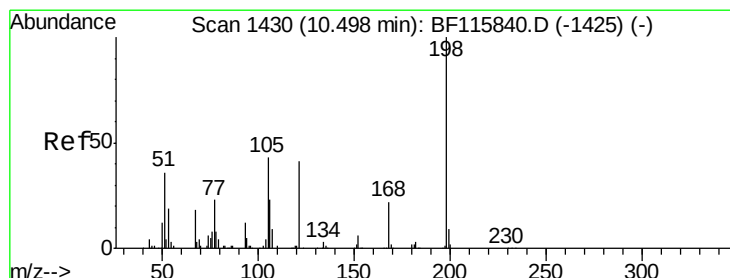
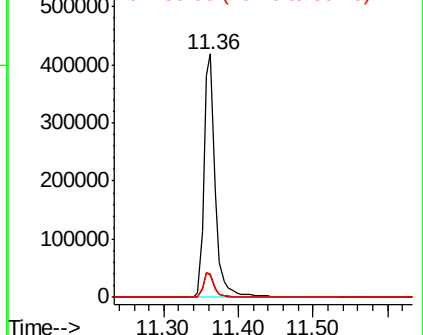
80 9.9 8.6 12.8



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: 0.293 ng

RT: 10.67 min Scan# 1459

Delta R.T. 0.17 min

Lab File: BF116021.D

Acq: 6 Aug 2019 18:55

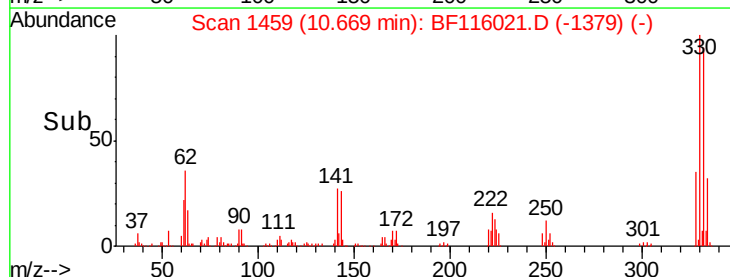
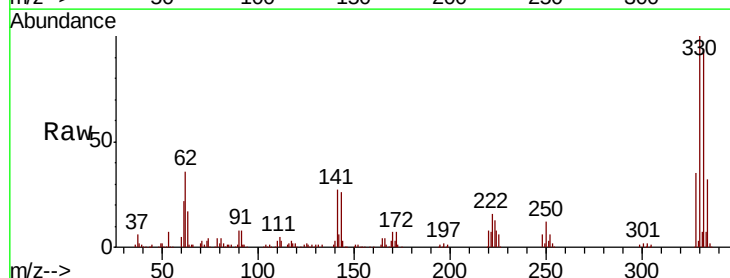
Tgt Ion:198 Resp: 692

Ion Ratio Lower Upper

198 100

51 98.5 21.1 61.1#

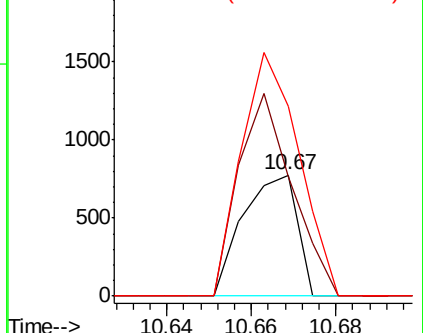
105 156.2 24.5 64.5#

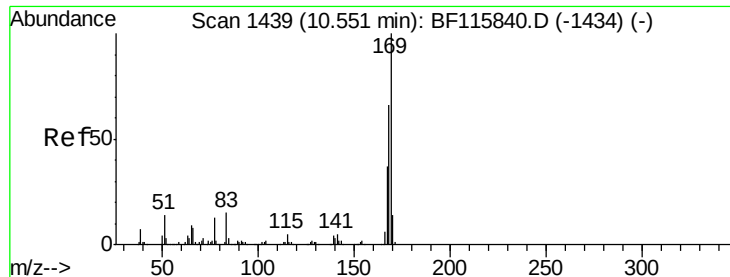


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

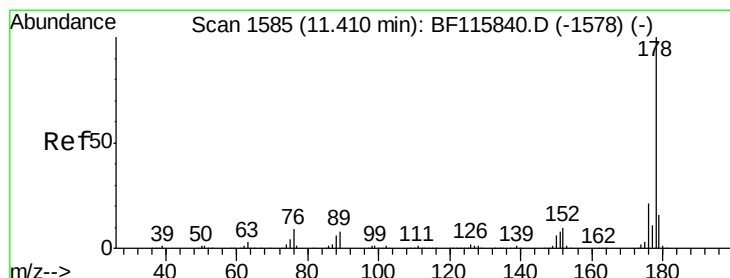
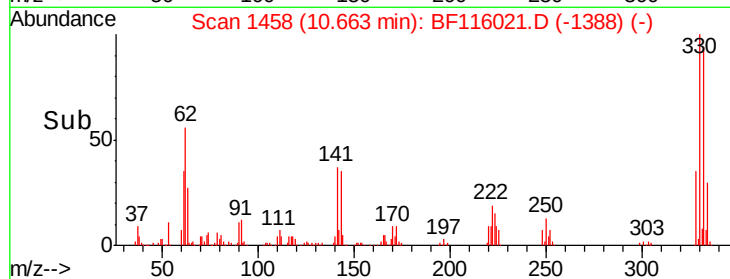
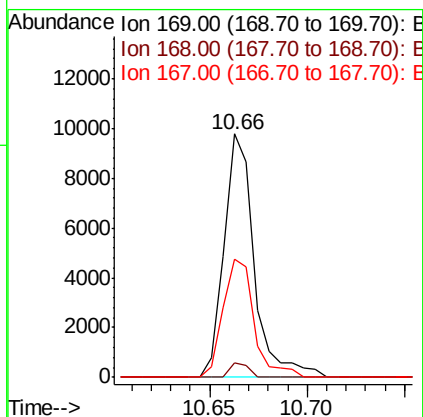
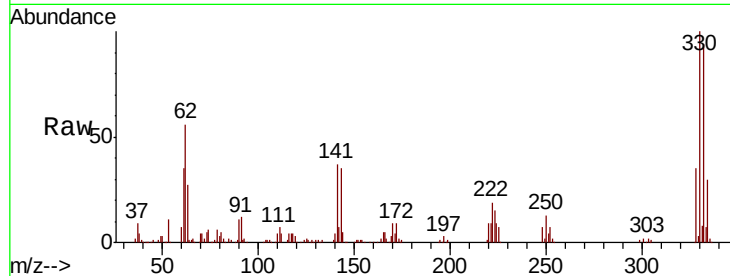




#66
 n-Nitrosodiphenylamine
 Concen: 0.780 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. 0.11 min
 Lab File: BF116021.D
 Acq: 6 Aug 2019 18:55

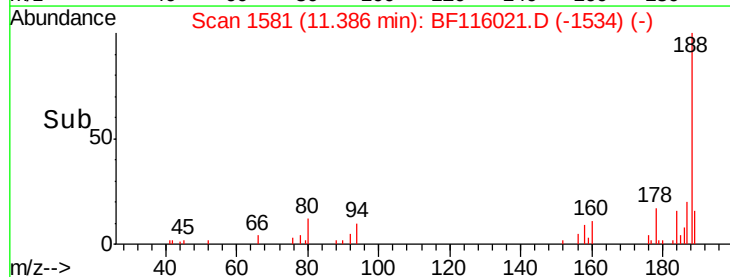
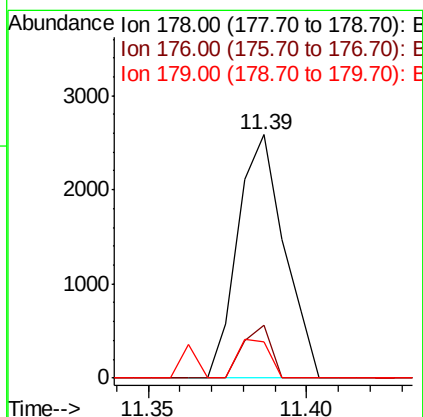
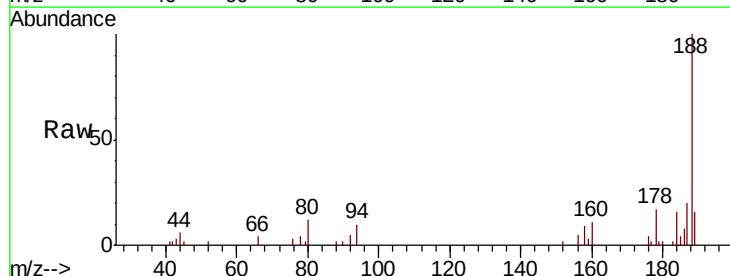
Instrument :
 BNA_F
 ClientSampleId :
 1S-A1-A4-COMP-(0-1)

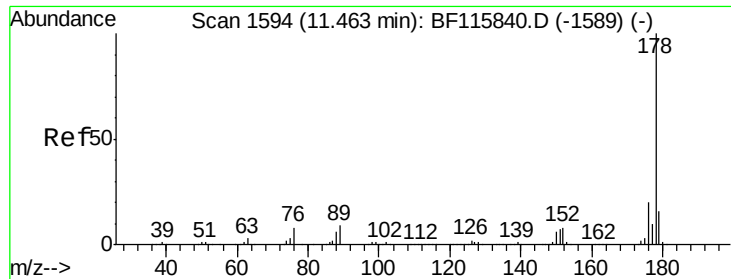
Tot Ion:169 Resp: 10461
 Ion Ratio Lower Upper
 169 100
 168 6.0 53.0 79.6#
 167 48.7 29.9 44.9#



#71
 Phenanthrene
 Concen: 0.116 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.02 min
 Lab File: BF116021.D
 Acq: 6 Aug 2019 18:55

Tgt Ion:178 Resp: 2631
 Ion Ratio Lower Upper
 178 100
 176 22.0 16.5 24.7
 179 14.9 12.6 18.8





#72

Anthracene

Concen: 0.114 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.08 min

Lab File: BF116021.D

Acq: 6 Aug 2019 18:55

Instrument :

BNA_F

ClientSampleId :

1S-A1-A4-COMP-(0-1)

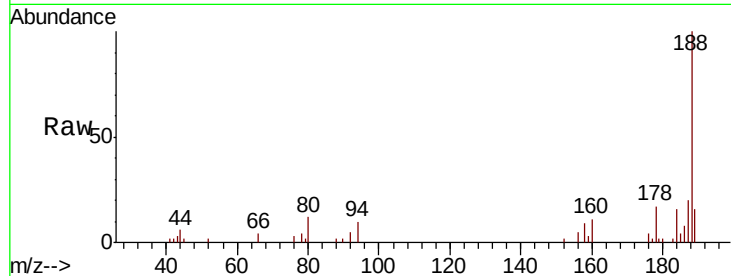
Tot Ion:178 Resp: 2631

Ion Ratio Lower Upper

178 100

176 22.0 15.7 23.5

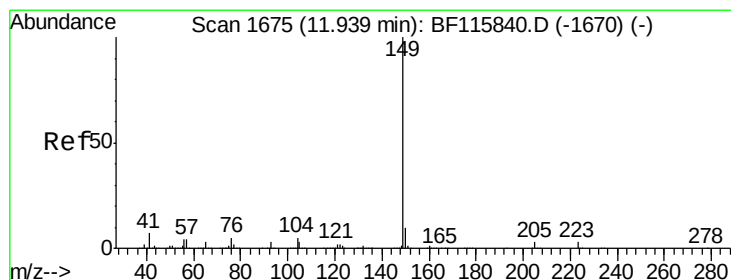
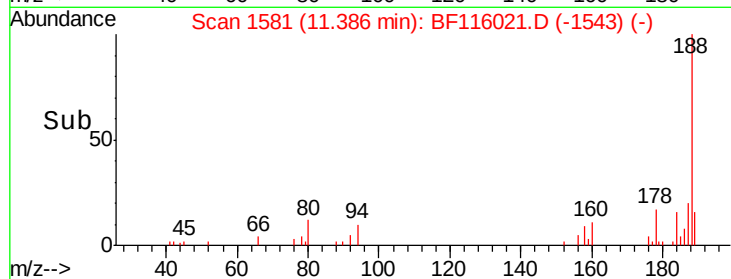
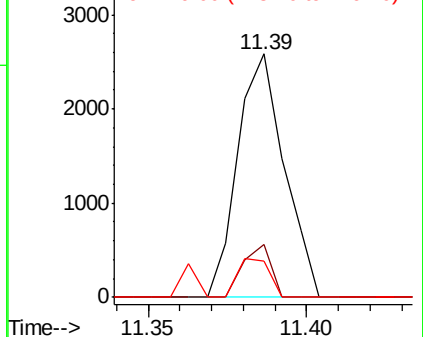
179 14.9 12.4 18.6



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: 0.210 ng

RT: 11.92 min Scan# 1671

Delta R.T. -0.02 min

Lab File: BF116021.D

Acq: 6 Aug 2019 18:55

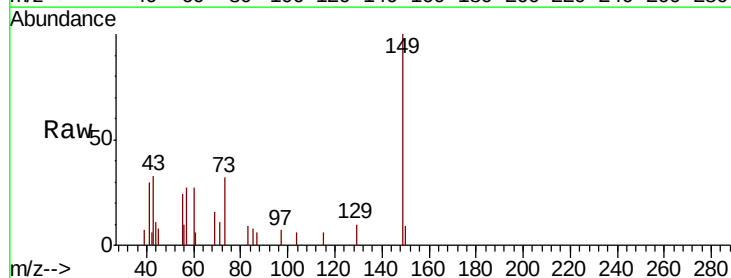
Tgt Ion:149 Resp: 5119

Ion Ratio Lower Upper

149 100

150 9.5 7.7 11.5

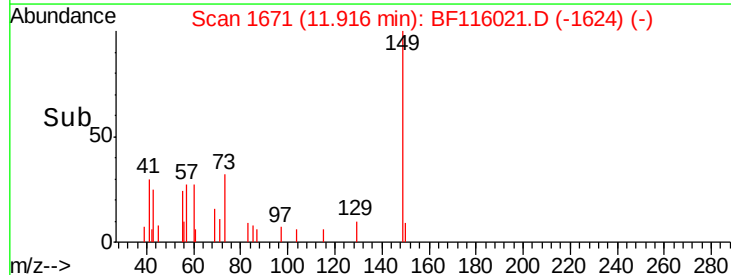
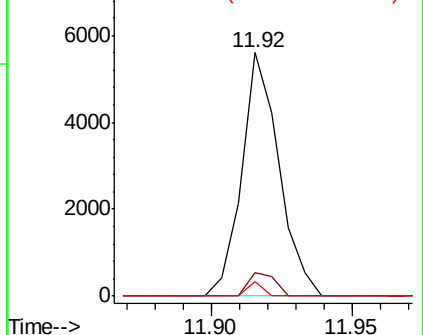
104 6.1 4.3 6.5

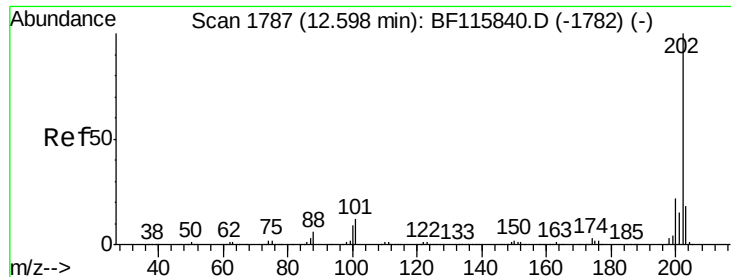


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

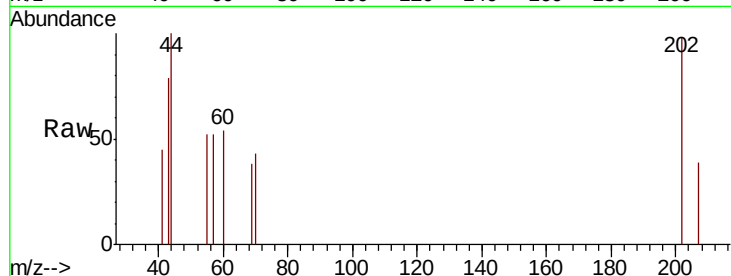




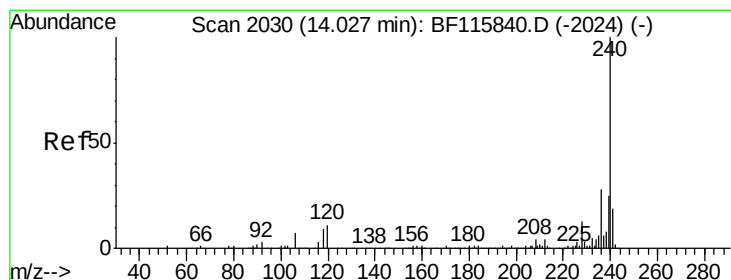
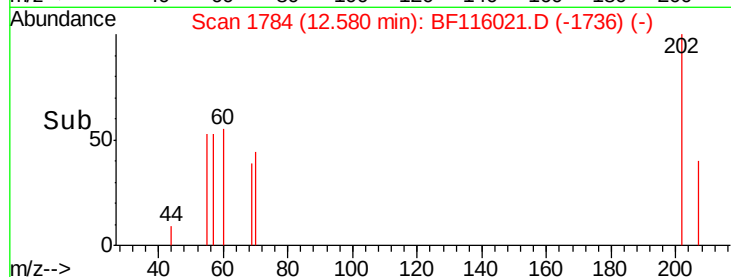
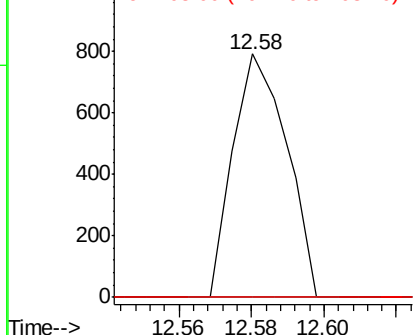
#75
Fluoranthene
Concen: 0.034 ng
RT: 12.58 min Scan# 1784
Delta R.T. -0.02 min
Lab File: BF116021.D
Acq: 6 Aug 2019 18:55

Instrument :
BNA_F
ClientSampleId :
1S-A1-A4-COMP-(0-1)

Tot Ion:202 Resp: 814
Ion Ratio Lower Upper
202 100
101 0.0 0.0 31.5
203 0.0 0.0 37.9

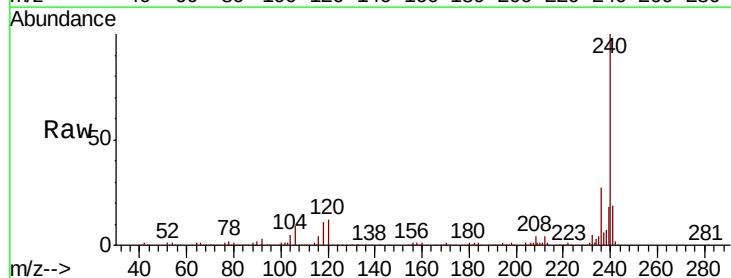


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

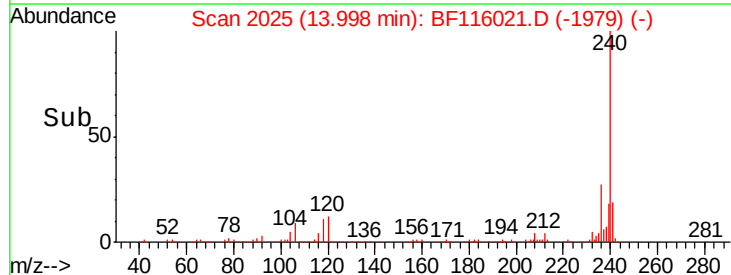
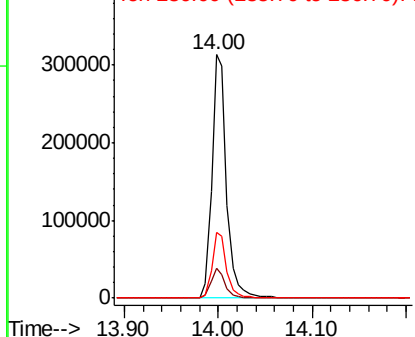


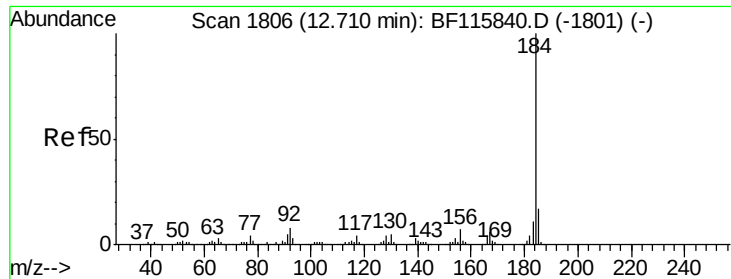
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.03 min
Lab File: BF116021.D
Acq: 6 Aug 2019 18:55

Tgt Ion:240 Resp: 344211
Ion Ratio Lower Upper
240 100
120 12.2 8.5 12.7
236 27.1 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: 1.974 ng

RT: 12.95 min Scan# 1846

Delta R.T. 0.24 min

Lab File: BF116021.D

Acq: 6 Aug 2019 18:55

Instrument :

BNA_F

ClientSampleId :

1S-A1-A4-COMP-(0-1)

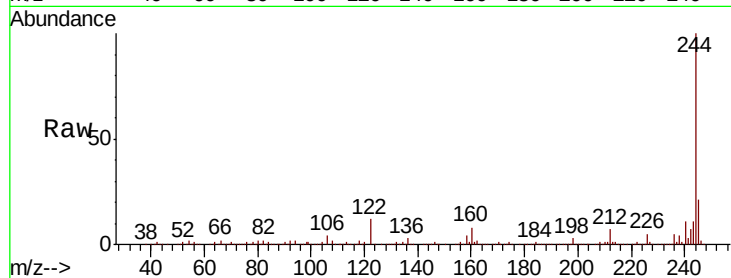
Tot Ion:184 Resp: 22950

Ion Ratio Lower Upper

184 100

185 15.8 13.4 20.2

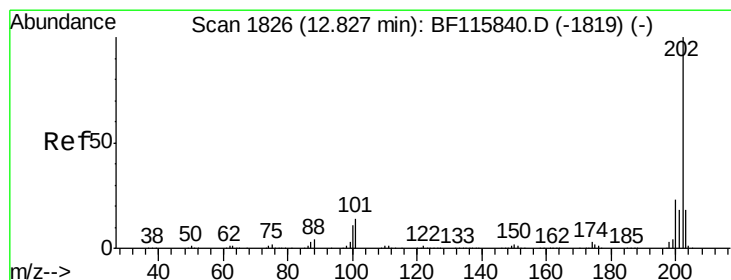
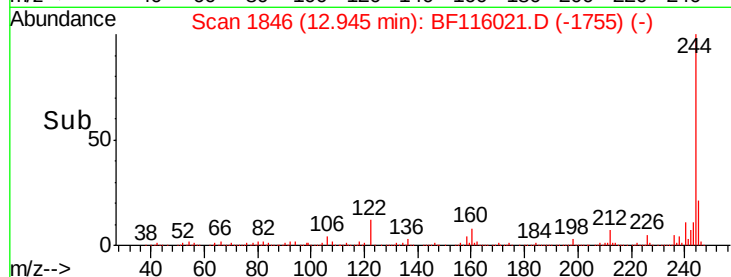
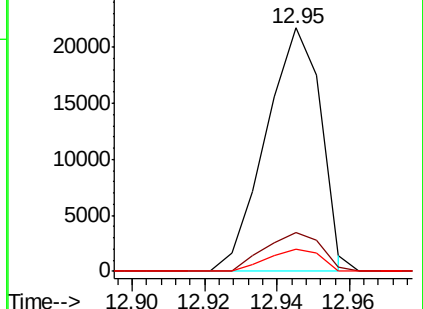
183 8.9 9.1 13.7#



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

Pyrene

Concen: 0.027 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF116021.D

Acq: 6 Aug 2019 18:55

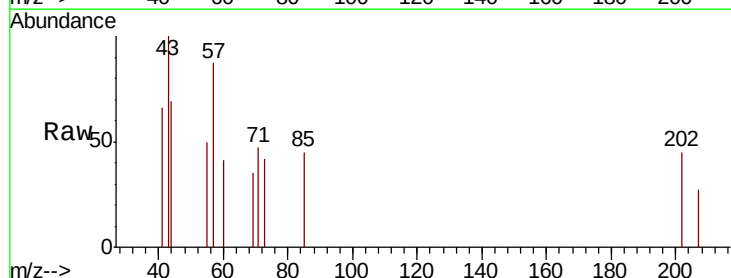
Tgt Ion:202 Resp: 690

Ion Ratio Lower Upper

202 100

200 0.0 18.2 27.2#

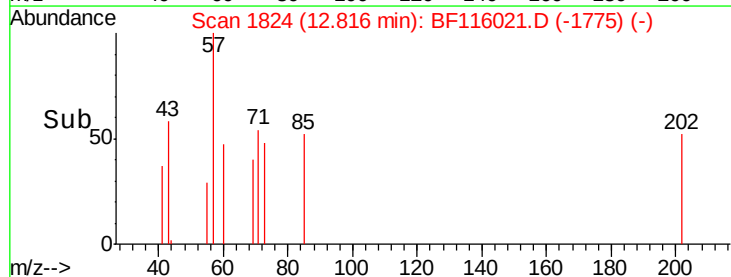
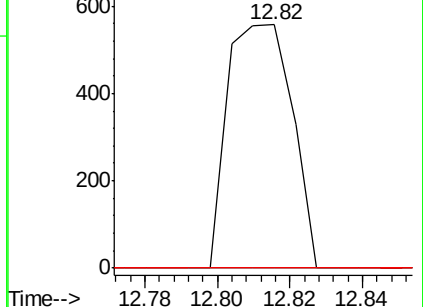
203 0.0 14.3 21.5#

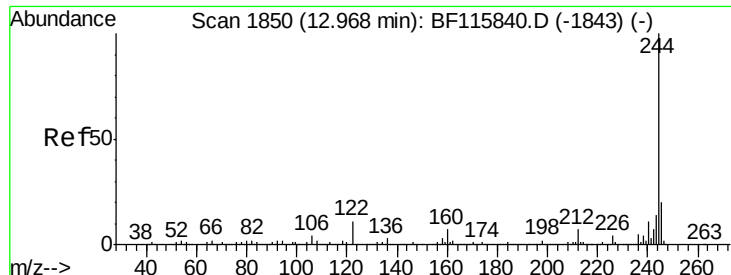


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 103.477 ng

RT: 12.95 min Scan# 1846

Delta R.T. -0.02 min

Lab File: BF116021.D

Acq: 6 Aug 2019 18:55

Instrument :

BNA_F

ClientSampleId :

1S-A1-A4-COMP-(0-1)

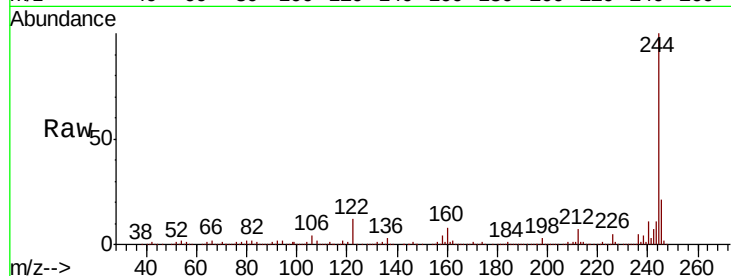
Tot Ion:244 Resp: 1690322

Ion Ratio Lower Upper

244 100

212 7.3 5.6 8.4

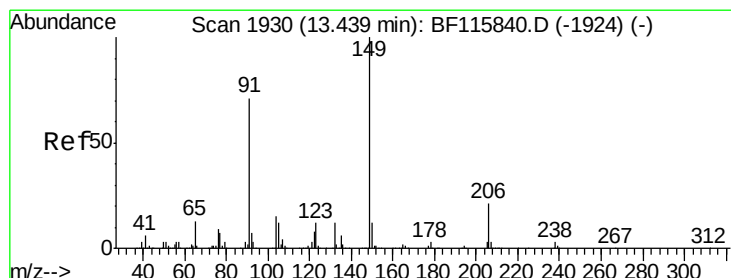
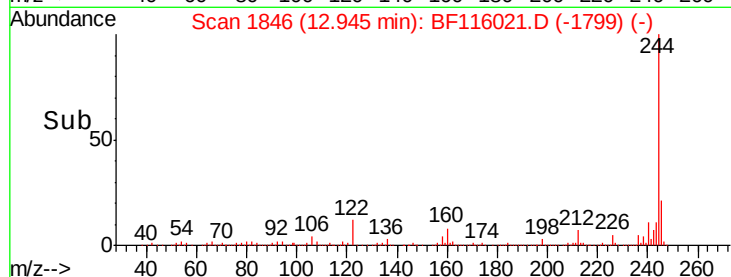
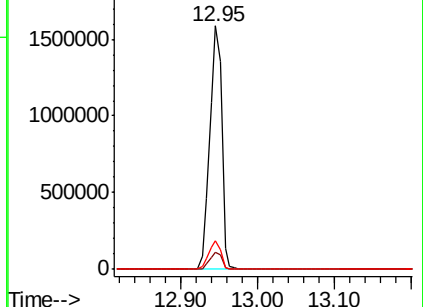
122 11.9 8.6 13.0



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



#80

Butylbenzylphthalate

Concen: 0.011 ng

RT: 13.41 min Scan# 1925

Delta R.T. -0.03 min

Lab File: BF116021.D

Acq: 6 Aug 2019 18:55

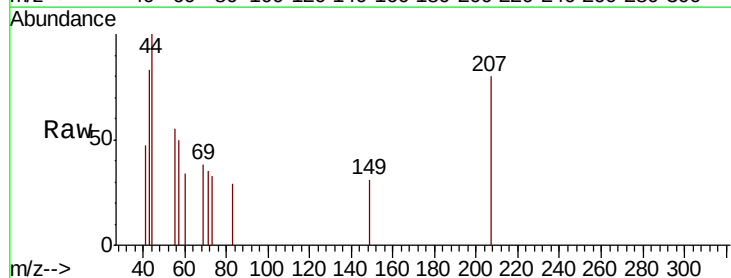
Tgt Ion:149 Resp: 117

Ion Ratio Lower Upper

149 100

91 0.0 57.0 85.6#

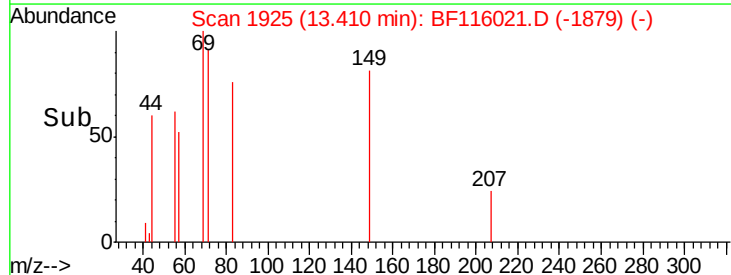
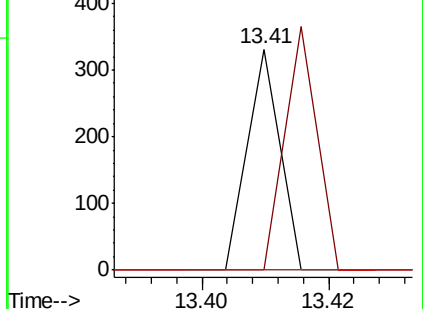
206 0.0 16.9 25.3#

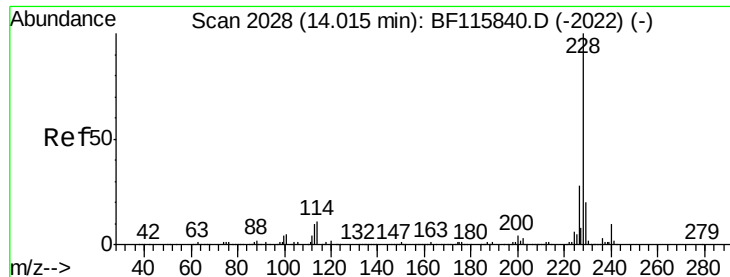


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 0.042 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.02 min

Lab File: BF116021.D

Acq: 6 Aug 2019 18:55

Instrument :

BNA_F

ClientSampleId :

1S-A1-A4-COMP-(0-1)

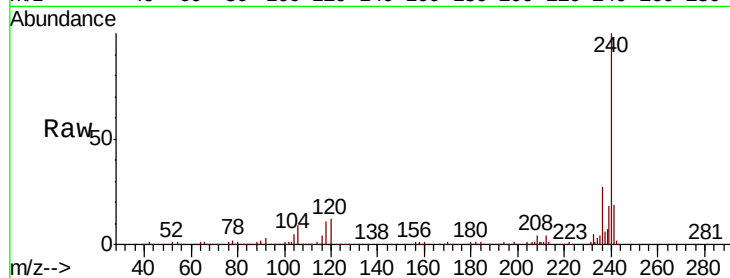
Tot Ion:228 Resp: 934

Ion Ratio Lower Upper

228 100

226 0.0 22.5 33.7#

229 0.0 16.1 24.1#

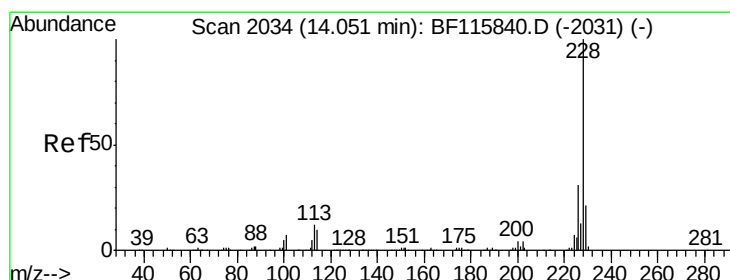
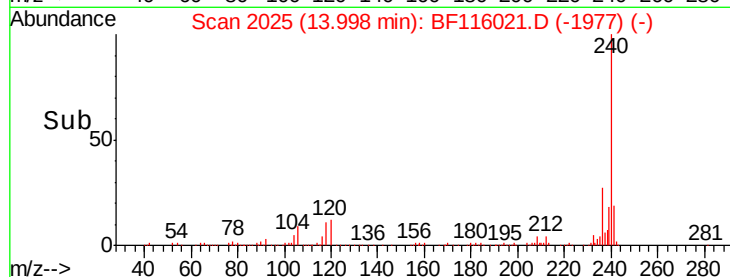
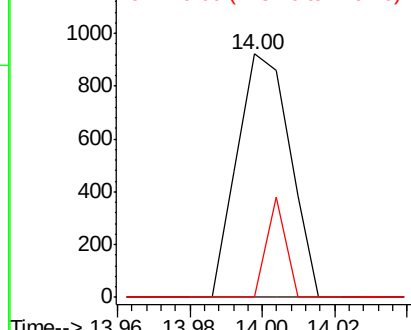


Abundance

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: 0.044 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.05 min

Lab File: BF116021.D

Acq: 6 Aug 2019 18:55

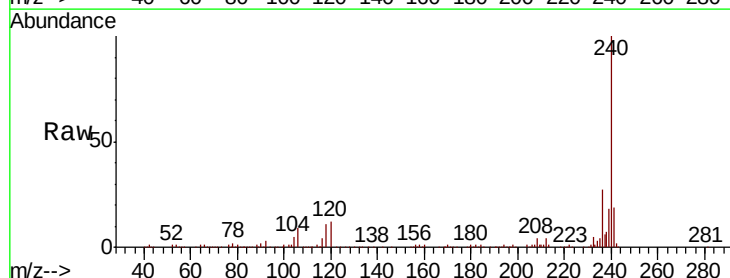
Tgt Ion:228 Resp: 934

Ion Ratio Lower Upper

228 100

226 0.0 24.8 37.2#

229 0.0 16.4 24.6#

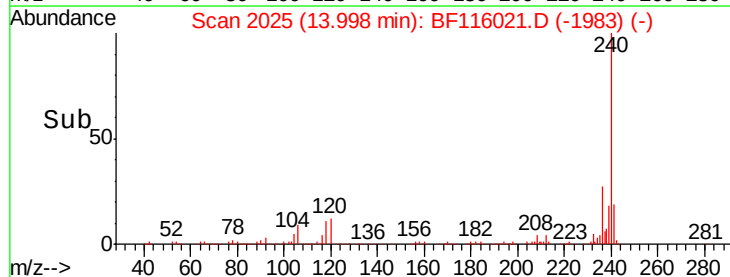
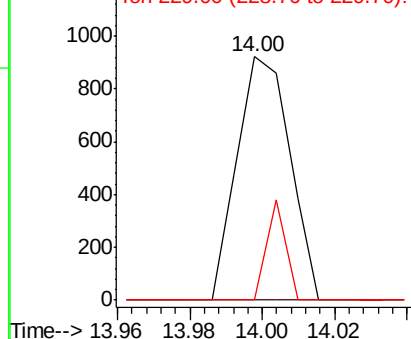


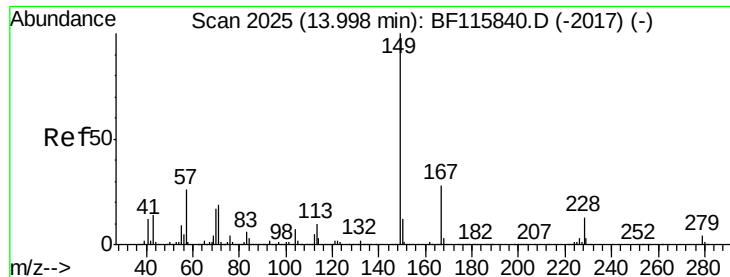
Abundance

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: 0.075 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.03 min

Lab File: BF116021.D

Acq: 6 Aug 2019 18:55

Instrument :

BNA_F

ClientSampleId :

1S-A1-A4-COMP-(0-1)

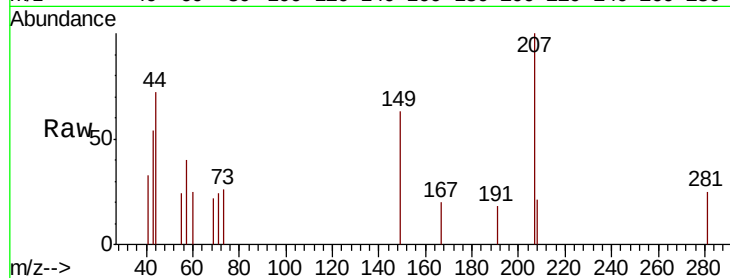
Tot Ion:149 Resp: 1068

Ion Ratio Lower Upper

149 100

167 32.1 22.4 33.6

279 0.0 3.3 4.9#

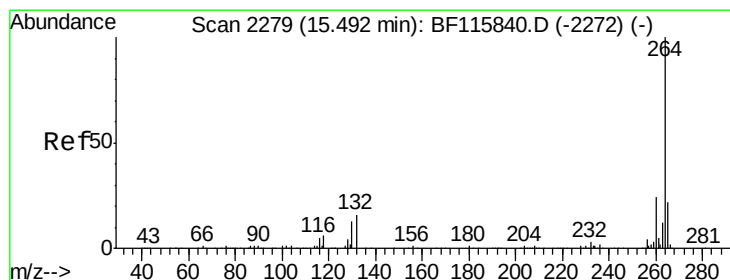
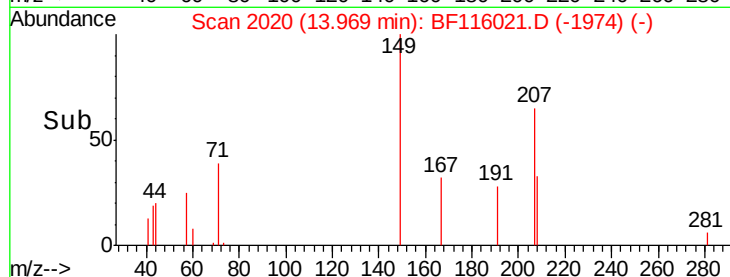
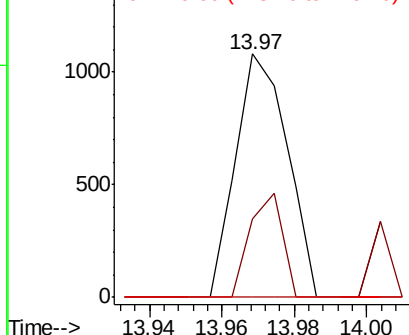


Abundance

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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2274

Delta R.T. -0.03 min

Lab File: BF116021.D

Acq: 6 Aug 2019 18:55

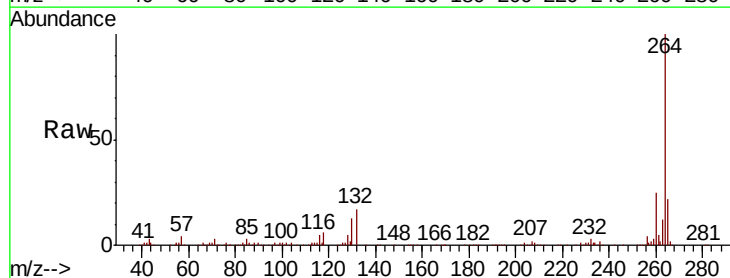
Tgt Ion:264 Resp: 380927

Ion Ratio Lower Upper

264 100

260 25.0 19.4 29.2

265 21.5 17.5 26.3

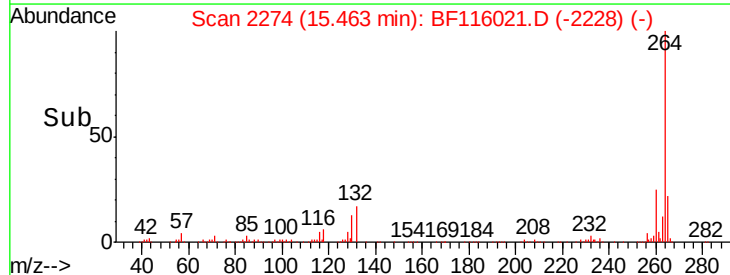
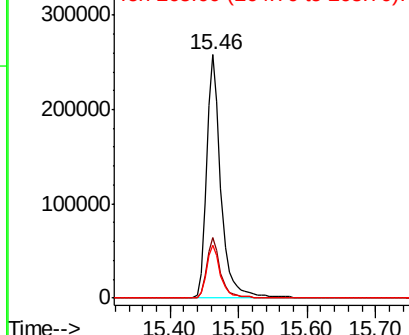


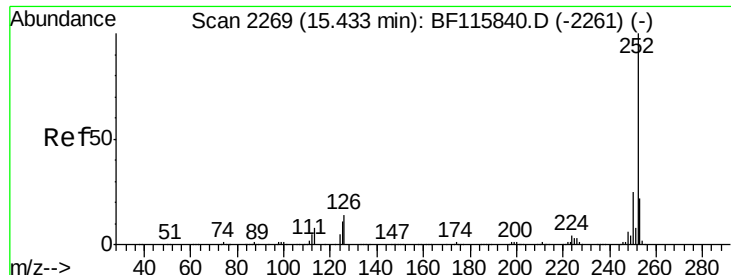
Abundance

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: 0.061 ng

RT: 15.46 min Scan# 2273

Delta R.T. 0.02 min

Lab File: BF116021.D

Acq: 6 Aug 2019 18:55

Instrument :
BNA_F
ClientSampleId :
1S-A1-A4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	0.0	17.8	26.6#
125	48.4	8.8	13.2#

