

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
 Data File : BF116019.D
 Acq On : 6 Aug 2019 18:01
 Operator : HP/JU
 Sample : K4135-31
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1S-B1-B4-COMP-(0-1)

Quant Time: Aug 07 04:28:47 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	6.84	152	135471	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	518848	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	282648	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	516575	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	409685	20.00	ng	-0.03
87) Perylene-d12	15.46	264	416738	20.00	ng	-0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	941270	116.32	ng	0.00
7) Phenol-d6	6.48	99	1096589	107.40	ng	0.00
23) Nitrobenzene-d5	7.40	82	886284	98.60	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	396506	144.69	ng	-0.02
45) 2-Fluorobiphenyl	9.20	172	1497295	99.22	ng	-0.02
79) Terphenyl-d14	12.94	244	1844758	94.88	ng	-0.02

Target Compounds

						Qvalue
4) n-Nitrosodimethylamine	3.30	42	111	0.025	ng	# 1
6) Aniline	6.62	93	1419	0.097	ng	# 1
8) 2-Chlorophenol	6.63	128	224	0.025	ng	# 1
9) Benzaldehyde	6.48	77	1541	0.219	ng	# 1
10) Phenol	6.62	94	2250	0.187	ng	# 1
11) bis(2-Chloroethyl)ether	6.62	93	1419	0.161	ng	# 1
15) Benzyl Alcohol	7.00	79	14213	1.834	ng	# 46
16) 2,2'-oxybis(1-Chloropropan	7.13	45	593	0.049	ng	# 65
22) Acetophenone	7.26	105	827	0.073	ng	# 68
24) Nitrobenzene	7.40	77	2623	0.270	ng	# 35
31) Naphthalene	8.15	128	2452	0.100	ng	# 92
33) 4-Chloroaniline	8.15	127	248	0.023	ng	# 31
37) 2-Methylnaphthalene	8.85	142	869	0.054	ng	# 94
38) 1-Methylnaphthalene	8.94	142	945	0.062	ng	# 92
46) 1,1'-Biphenyl	9.30	154	3000	0.150	ng	# 90
48) 2-Nitroaniline	9.20	65	2545	0.464	ng	# 1
49) Acenaphthylene	9.91	152	992	0.041	ng	# 1
52) Acenaphthene	9.91	154	1665	0.112	ng	# 95
55) Dibenzofuran	10.09	168	1023	0.047	ng	# 58
56) 4-Nitrophenol	10.09	139	318	0.096	ng	# 8
58) Fluorene	10.43	166	1193	0.072	ng	# 68
60) Diethylphthalate	10.29	149	3435	0.191	ng	# 96
63) Azobenzene	10.66	77	1957	0.106	ng	# 2
65) 4,6-Dinitro-2-methylphenol	10.66	198	833	0.304	ng	# 1
66) n-Nitrosodiphenylamine	10.66	169	11337	0.729	ng	# 48
71) Phenanthrene	11.39	178	5161	0.195	ng	# 97
72) Anthracene	11.39	178	5161	0.193	ng	# 95
73) Carbazole	11.61	167	1410	0.058	ng	# 58
74) Di-n-butylphthalate	11.92	149	7133	0.252	ng	# 98
75) Fluoranthene	12.58	202	1225	0.044	ng	# 64
77) Benzidine	12.94	184	25471	1.840	ng	# 97
78) Pyrene	12.81	202	693	0.022	ng	# 56
80) Butylbenzylphthalate	13.42	149	227	0.017	ng	# 56
81) Benzo(a)anthracene	14.00	228	1129	0.043	ng	# 56

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QLast Update : Wed Jul 31 15:31:51 2019
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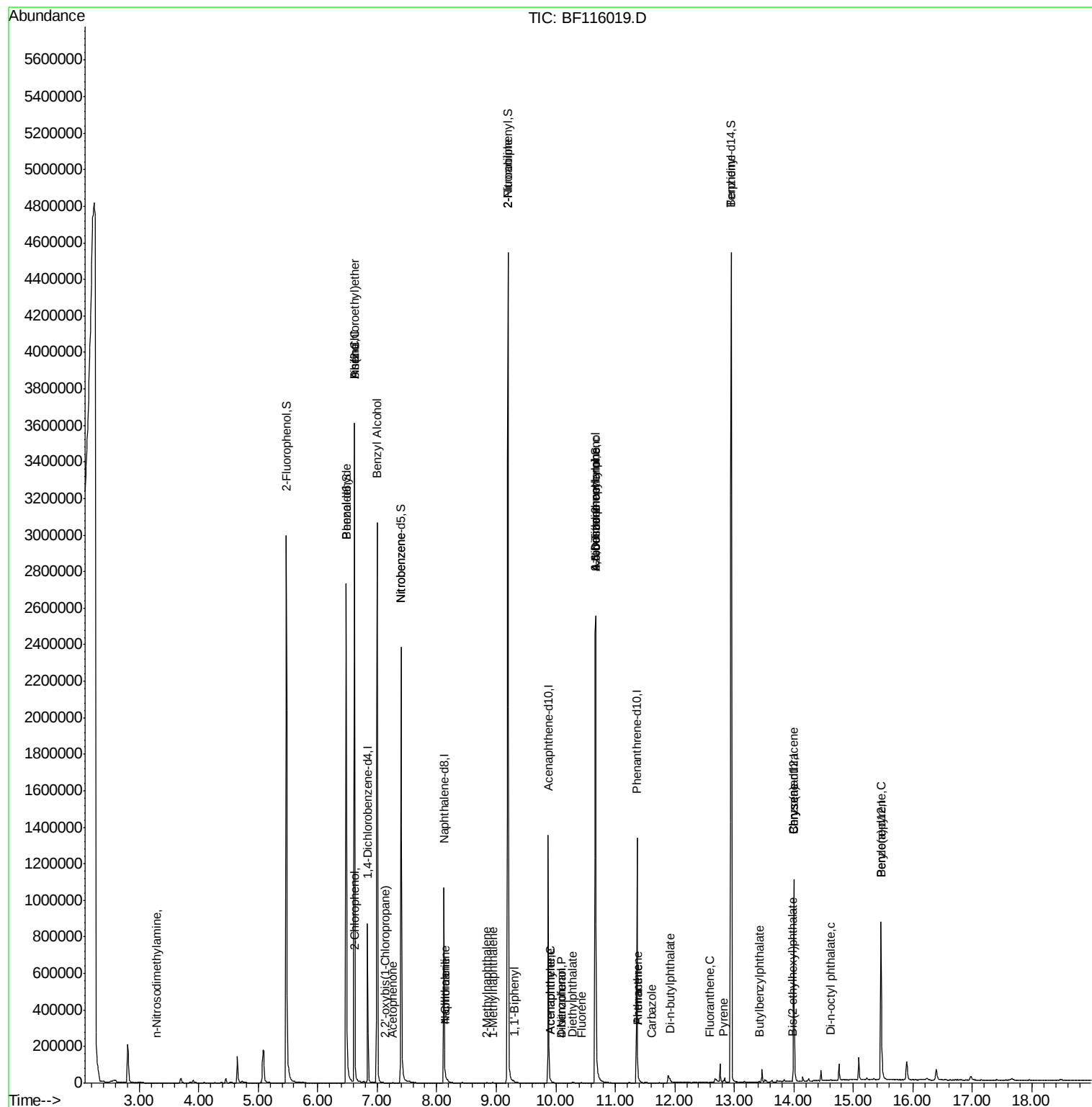
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) Chrysene	14.00	228	1129	0.044	ng	# 54
84) Bis(2-ethylhexyl)phthalate	13.97	149	1392	0.082	ng	# 95
85) Di-n-octyl phthalate	14.62	149	125	0.005	ng	# 78
90) Benzo(a)pyrene	15.46	252	1259	0.058	ng	# 1

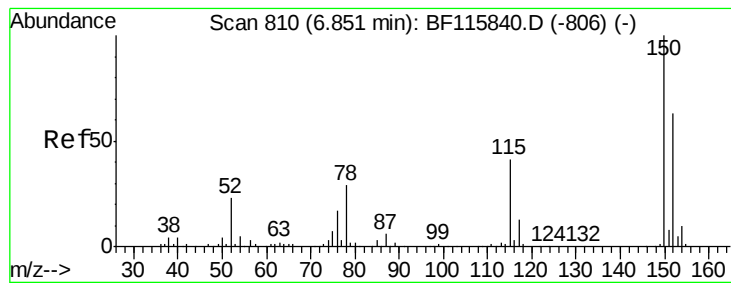
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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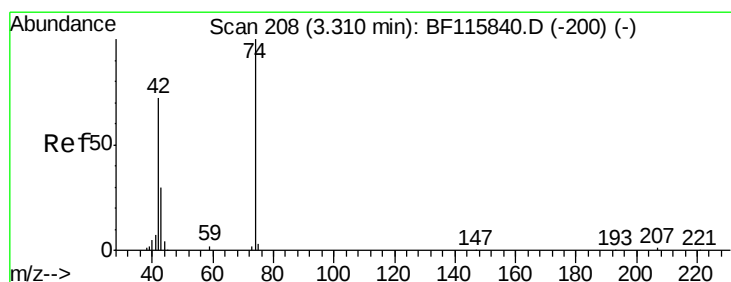
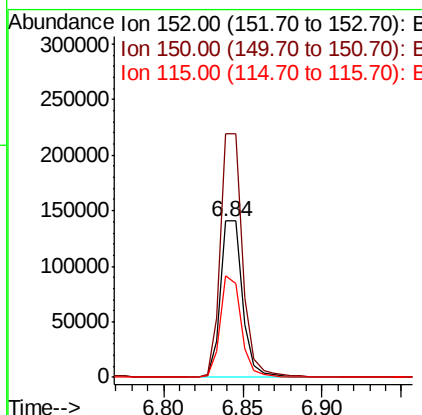
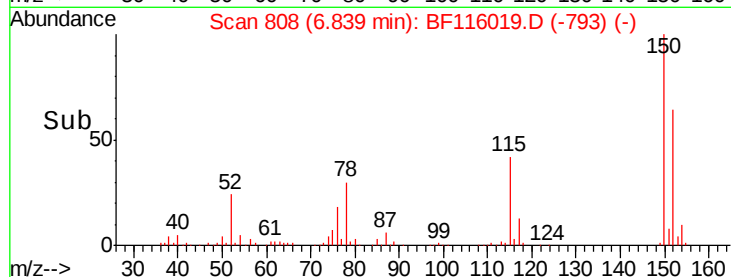
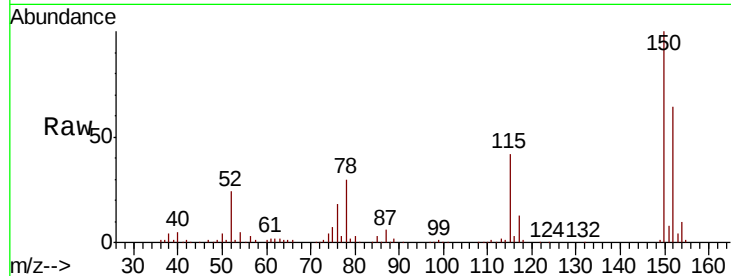


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116019.D
Acq: 6 Aug 2019 18:01

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(0-1)

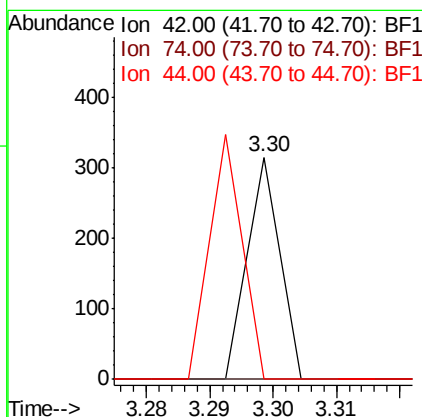
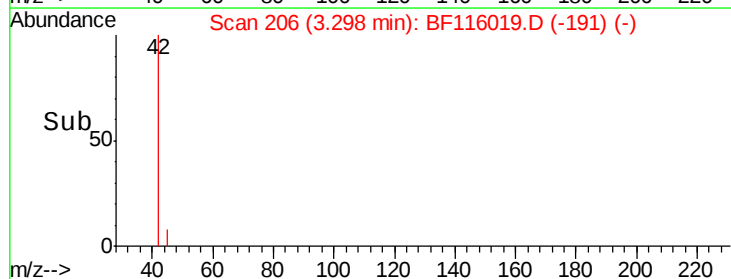
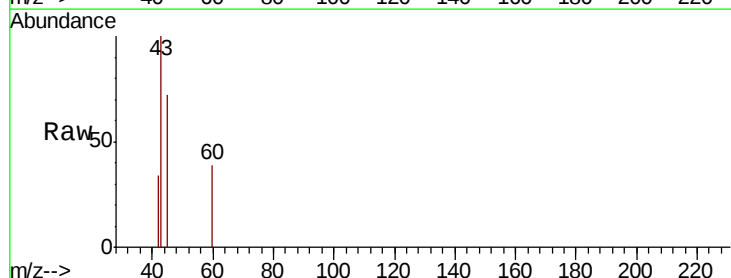
Tot Ion:152 Resp: 135471
Ion Ratio Lower Upper
152 100
150 155.3 127.4 191.0
115 64.5 51.8 77.8

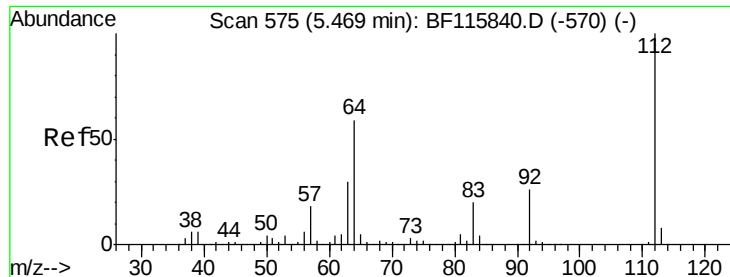


#4

n-Nitrosodimethylamine
Concen: 0.025 ng
RT: 3.30 min Scan# 206
Delta R.T. -0.01 min
Lab File: BF116019.D
Acq: 6 Aug 2019 18:01

Tgt Ion: 42 Resp: 111
Ion Ratio Lower Upper
42 100
74 0.0 111.0 166.4#
44 0.0 4.7 7.1#





#5

2-Fluorophenol

Concen: 116.316 ng

RT: 5.47 min Scan# 576

Delta R.T. 0.01 min

Lab File: BF116019.D

Acq: 6 Aug 2019 18:01

Instrument :

BNA_F

ClientSampleId :

1S-B1-B4-COMP-(0-1)

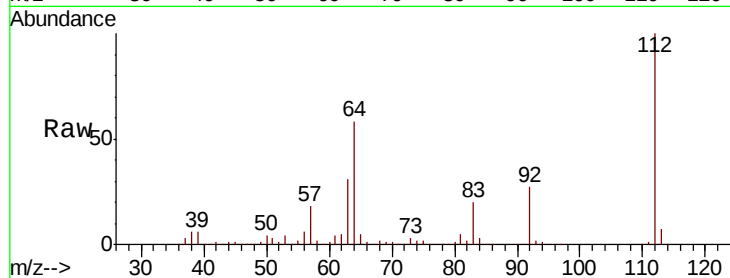
Tot Ion:112 Resp: 941270

Ion Ratio Lower Upper

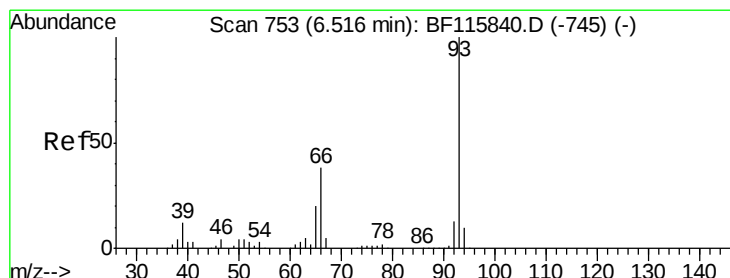
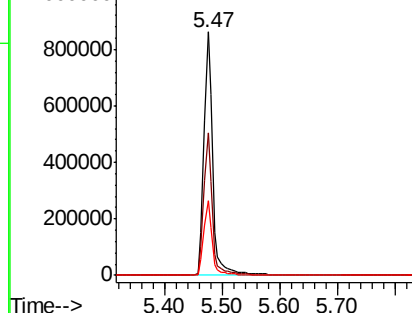
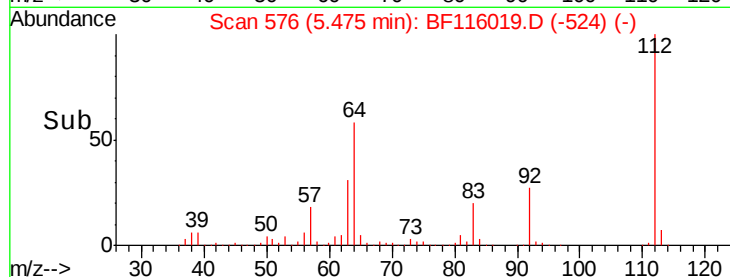
112 100

64 58.3 46.8 70.2

63 30.6 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: 0.097 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.10 min

Lab File: BF116019.D

Acq: 6 Aug 2019 18:01

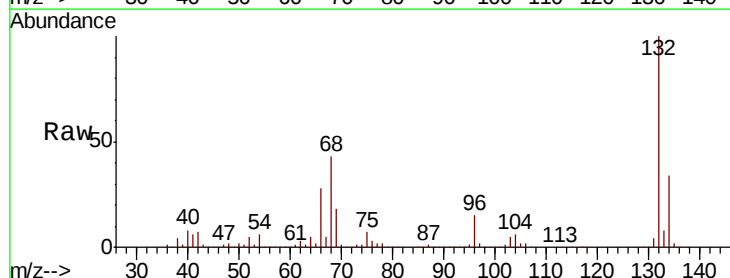
Tgt Ion: 93 Resp: 1419

Ion Ratio Lower Upper

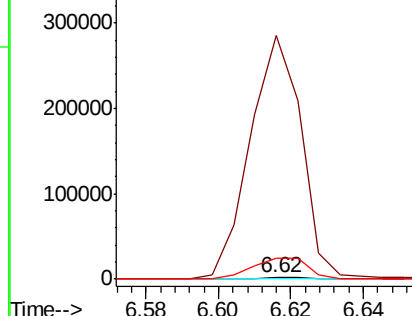
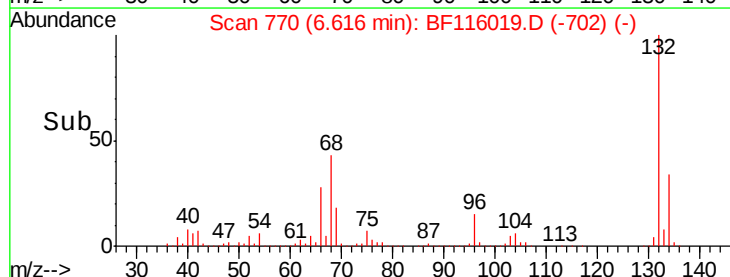
93 100

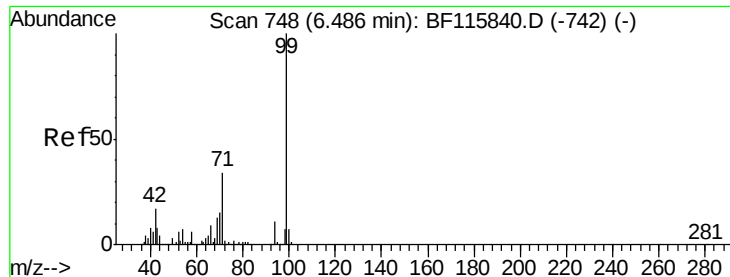
66 21104.4 31.4 47.0#

65 1858.2 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: 107.404 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116019.D

Acq: 6 Aug 2019 18:01

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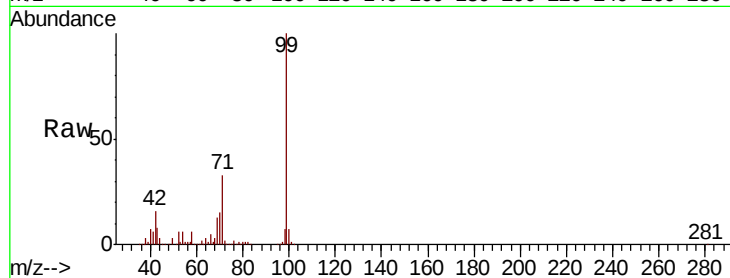
Tot Ion: 99 Resp: 1096589

Ion Ratio Lower Upper

99 100

42 16.4 13.8 20.6

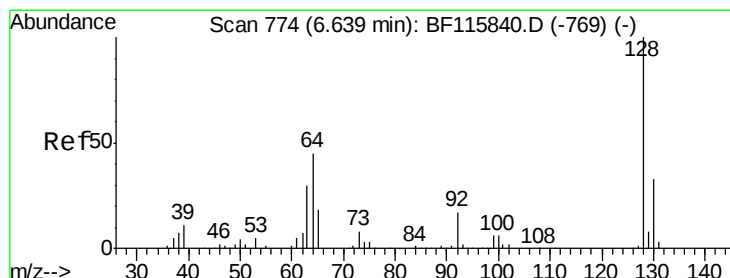
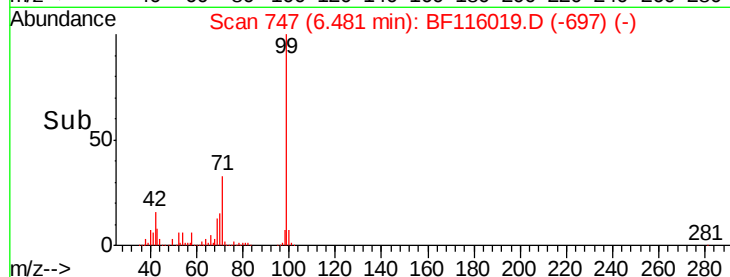
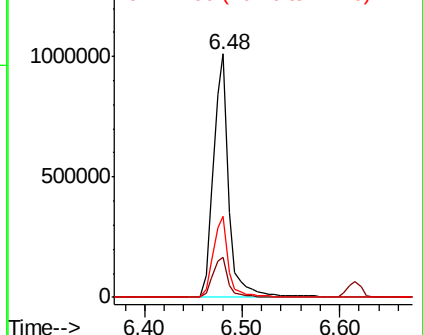
71 33.4 27.1 40.7



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: 0.025 ng

RT: 6.63 min Scan# 773

Delta R.T. -0.01 min

Lab File: BF116019.D

Acq: 6 Aug 2019 18:01

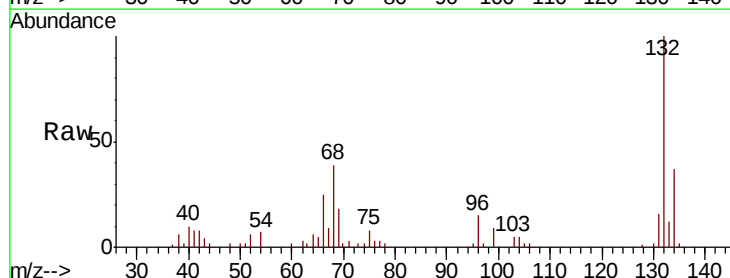
Tgt Ion: 128 Resp: 224

Ion Ratio Lower Upper

128 100

130 102.4 12.9 52.9#

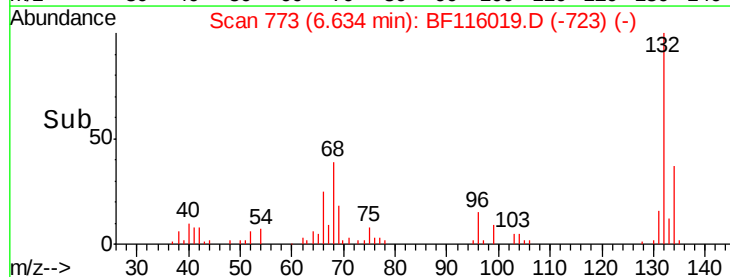
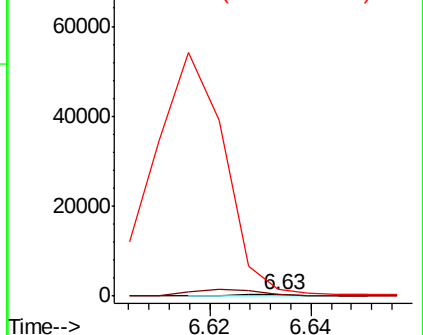
64 425.8 26.1 66.1#

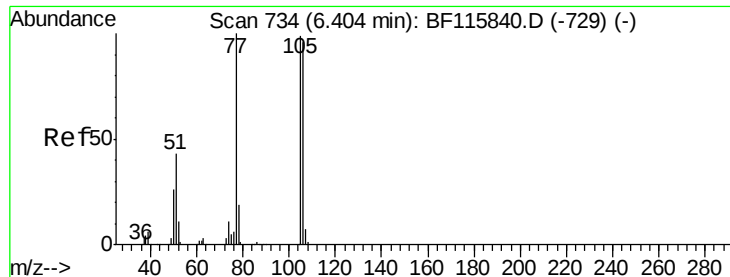


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 0.219 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.08 min

Lab File: BF116019.D

Acq: 6 Aug 2019 18:01

Instrument :

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ClientSampleId :

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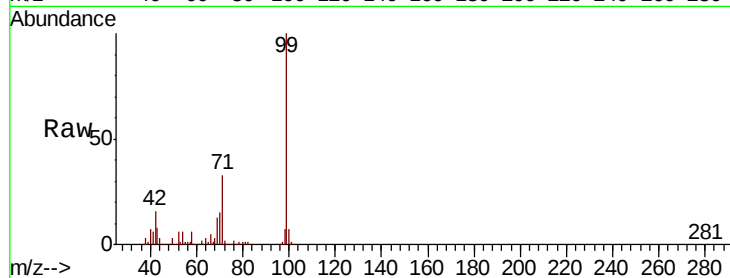
Tot Ion: 77 Resp: 1541

Ion Ratio Lower Upper

77 100

105 0.0 79.0 119.0#

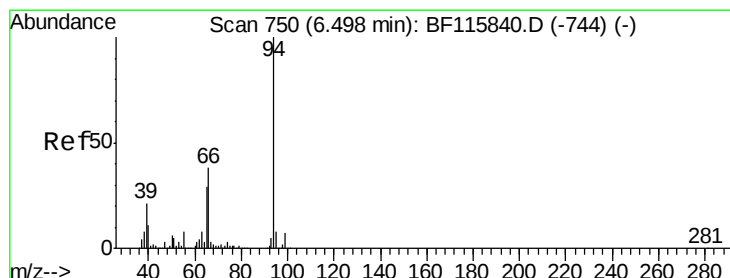
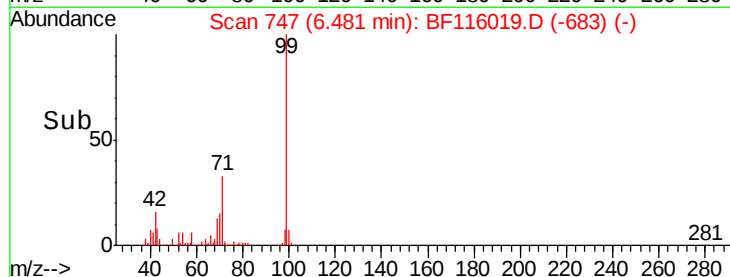
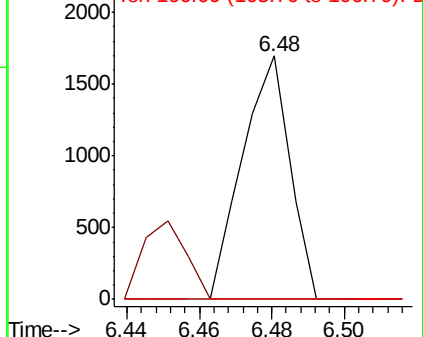
106 0.0 76.2 116.2#



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: 0.187 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.12 min

Lab File: BF116019.D

Acq: 6 Aug 2019 18:01

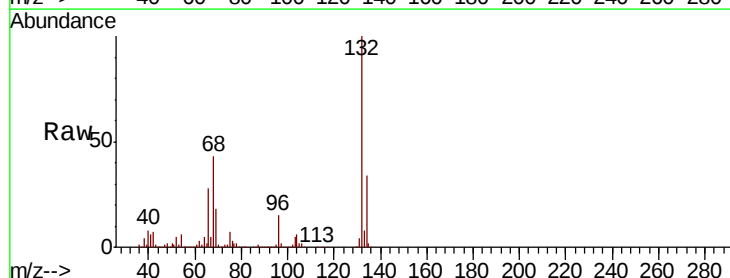
Tgt Ion: 94 Resp: 2250

Ion Ratio Lower Upper

94 100

65 1123.2 8.9 48.9#

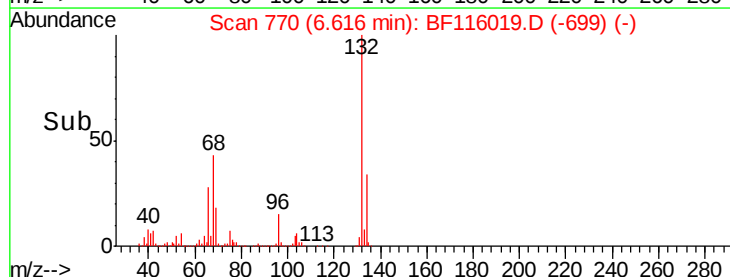
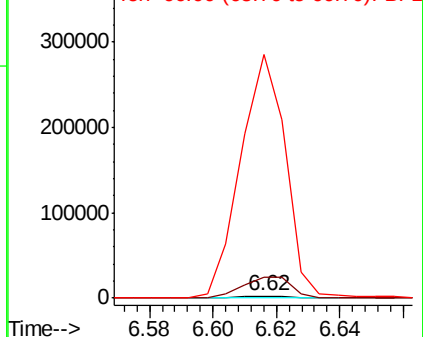
66 12757.0 18.0 58.0#

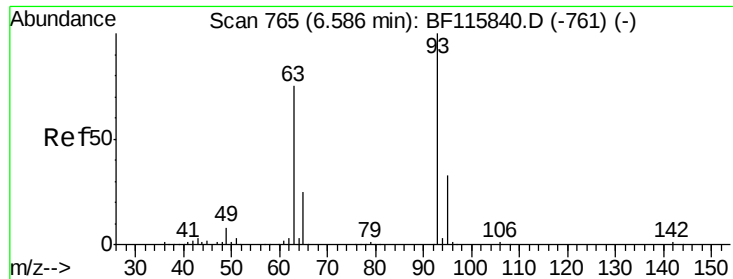


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 0.161 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.03 min

Lab File: BF116019.D

Acq: 6 Aug 2019 18:01

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1S-B1-B4-COMP-(0-1)

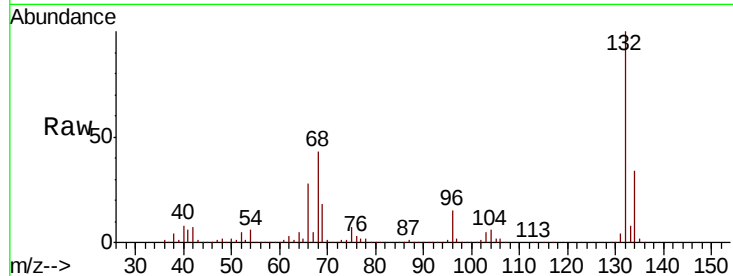
Tot Ion: 93 Resp: 1419

Ion Ratio Lower Upper

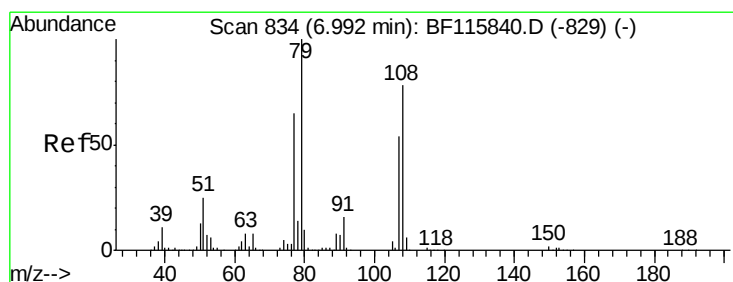
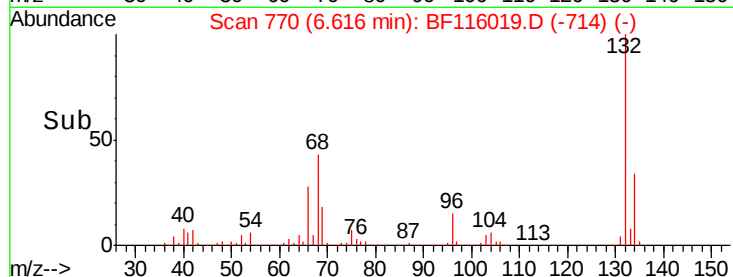
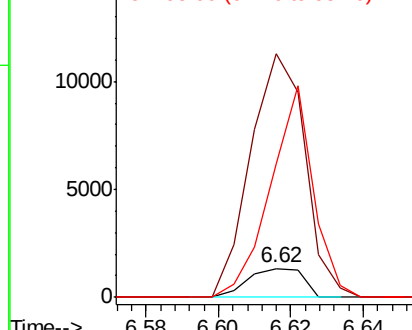
93 100

63 835.2 54.9 94.9#

95 456.8 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: 1.834 ng

RT: 7.00 min Scan# 835

Delta R.T. 0.01 min

Lab File: BF116019.D

Acq: 6 Aug 2019 18:01

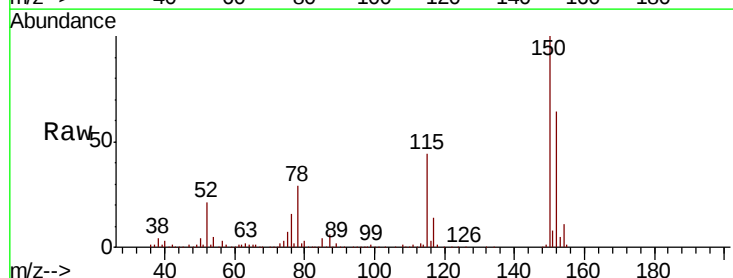
Tgt Ion: 79 Resp: 14213

Ion Ratio Lower Upper

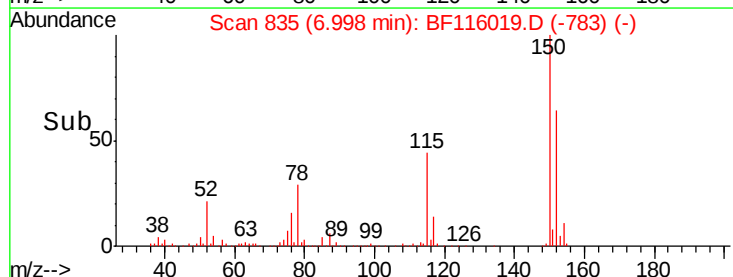
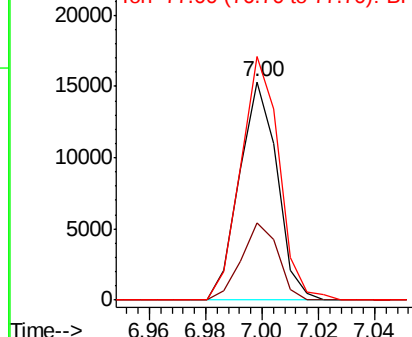
79 100

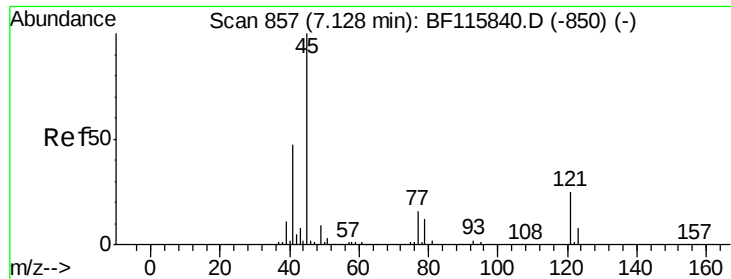
108 35.3 62.8 94.2#

77 111.7 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

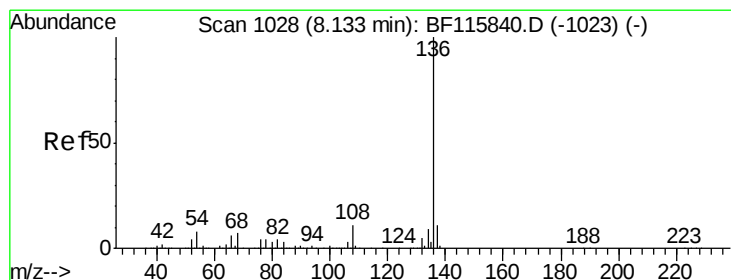
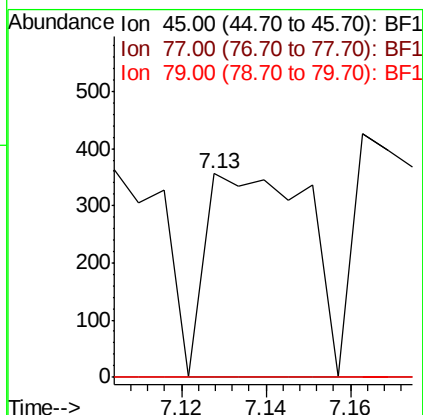
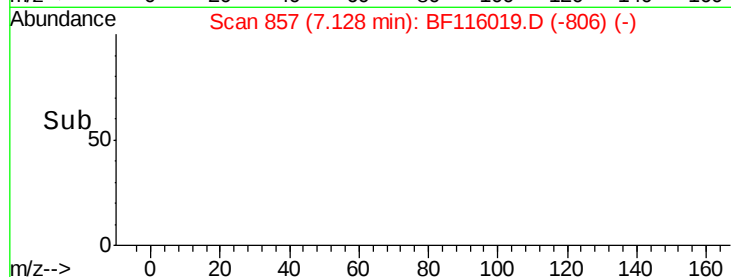
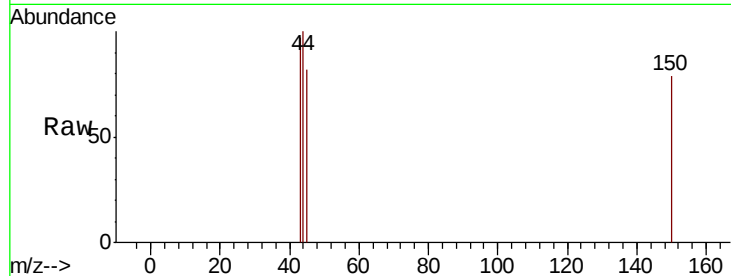




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 0.049 ng
RT: 7.13 min Scan# 857
Delta R.T. 0.00 min
Lab File: BF116019.D
Acq: 6 Aug 2019 18:01

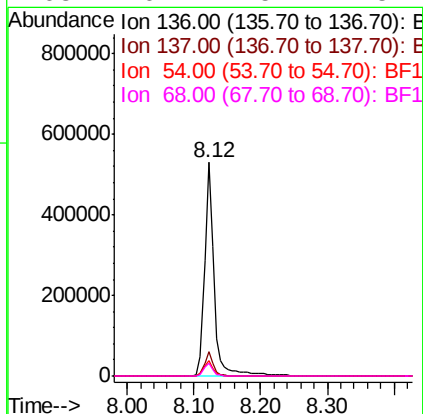
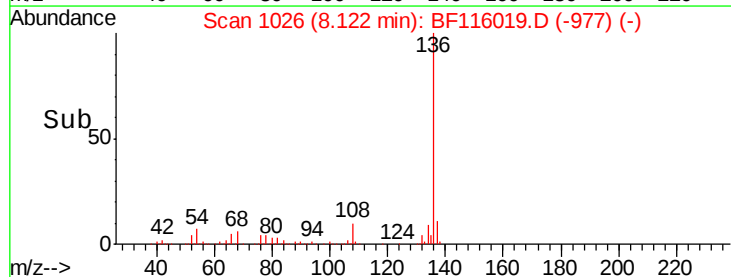
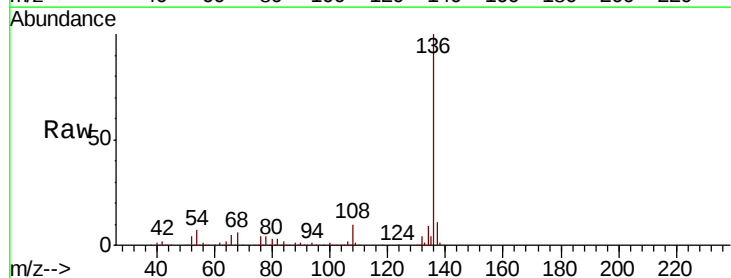
Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(0-1)

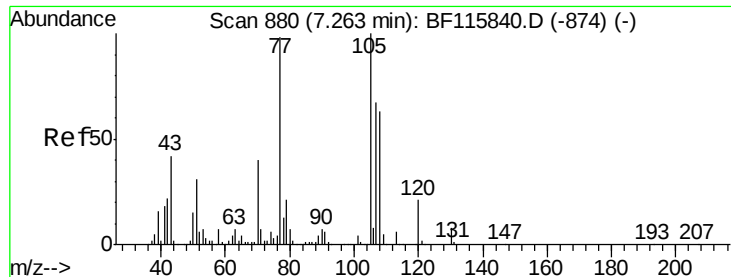
Tot Ion: 45 Resp: 593
Ion Ratio Lower Upper
45 100
77 0.0 0.0 36.3
79 0.0 0.0 32.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF116019.D
Acq: 6 Aug 2019 18:01

Tgt Ion: 136 Resp: 518848
Ion Ratio Lower Upper
136 100
137 11.4 9.1 13.7
54 7.3 6.1 9.1
68 6.1 5.4 8.2





#22

Acetophenone

Concen: 0.073 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.00 min

Lab File: BF116019.D

Acq: 6 Aug 2019 18:01

Instrument :

BNA_F

ClientSampleId :

1S-B1-B4-COMP-(0-1)

Tot Ion:105 Resp: 827

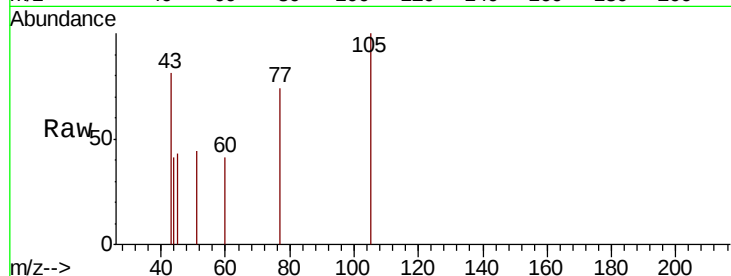
Ion Ratio Lower Upper

105 100

71 0.0 5.4 8.0#

51 44.2 24.6 36.8#

120 0.0 17.0 25.6#



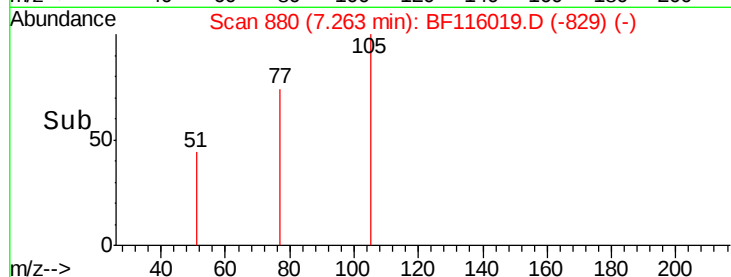
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

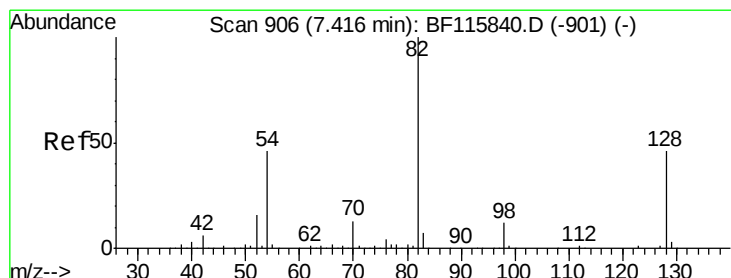
Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

Time-->



Time-->



#23

Nitrobenzene-d5

Concen: 98.601 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF116019.D

Acq: 6 Aug 2019 18:01

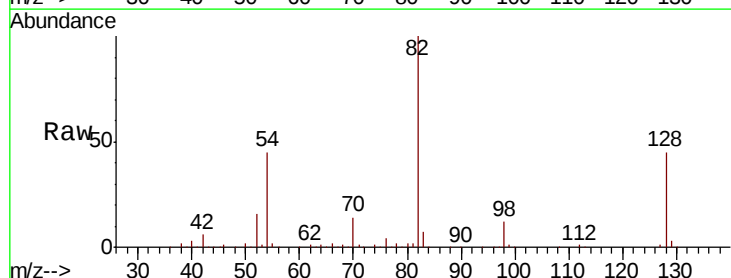
Tgt Ion: 82 Resp: 886284

Ion Ratio Lower Upper

82 100

128 45.0 36.6 55.0

54 44.7 36.6 55.0

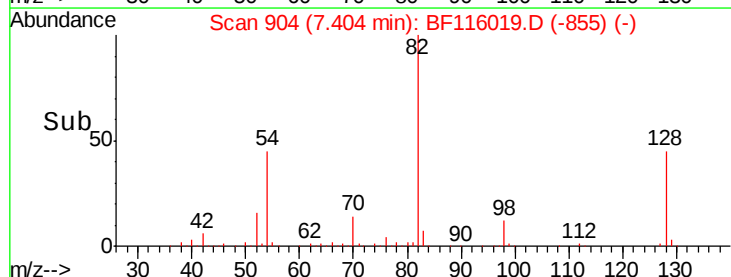


Abundance Ion 82.00 (81.70 to 82.70): BF1

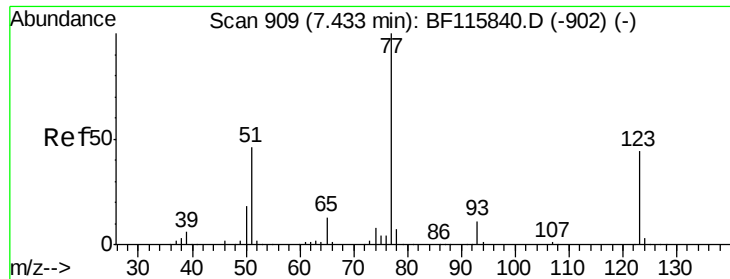
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

Time-->



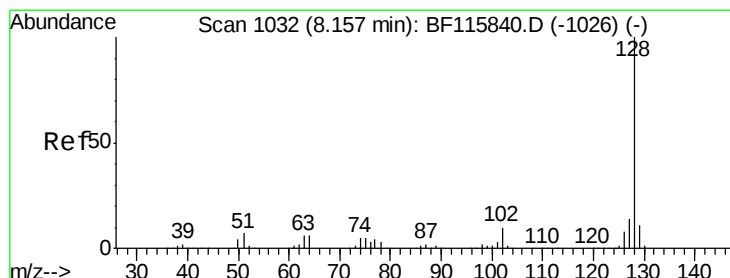
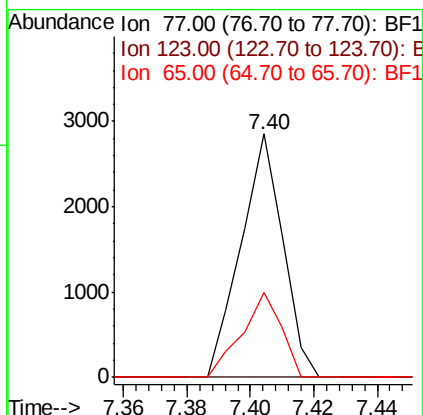
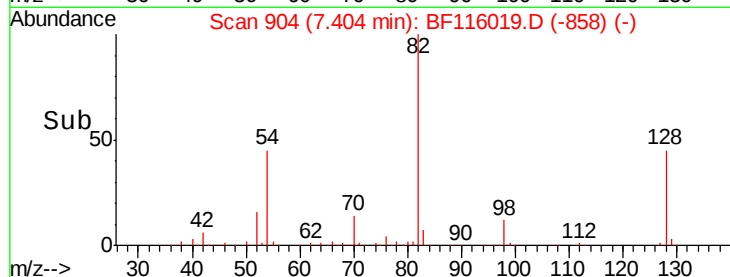
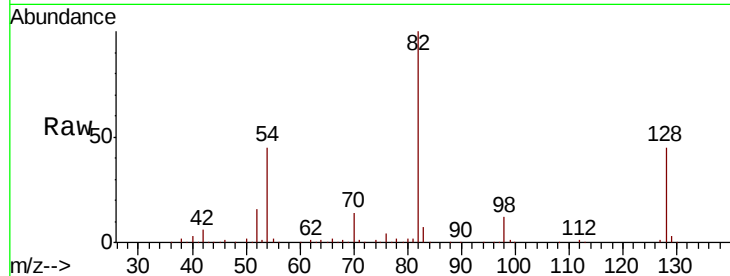
Time-->



#24
Nitrobenzene
Concen: 0.270 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.03 min
Lab File: BF116019.D
Acq: 6 Aug 2019 18:01

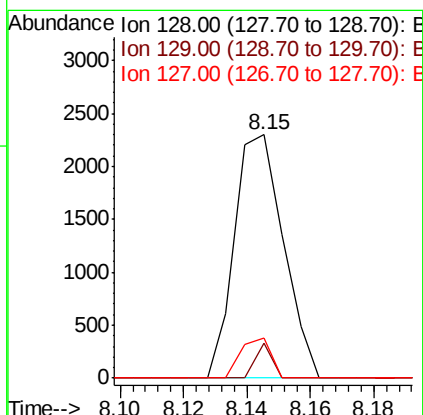
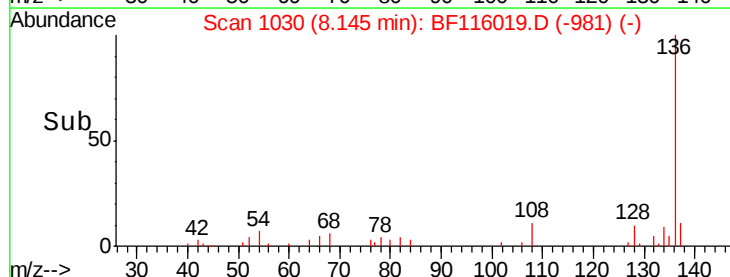
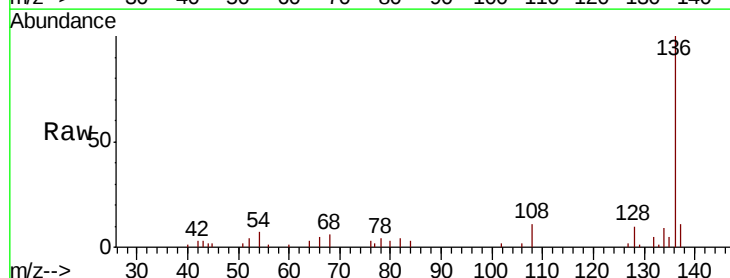
Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(0-1)

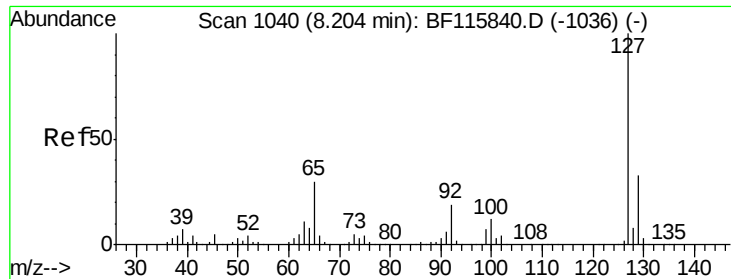
Tot Ion: 77 Resp: 2623
Ion Ratio Lower Upper
77 100
123 0.0 35.5 53.3#
65 35.0 10.6 15.8#



#31
Naphthalene
Concen: 0.100 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF116019.D
Acq: 6 Aug 2019 18:01

Tgt Ion: 128 Resp: 2452
Ion Ratio Lower Upper
128 100
129 14.6 9.2 13.8#
127 16.7 11.0 16.4#

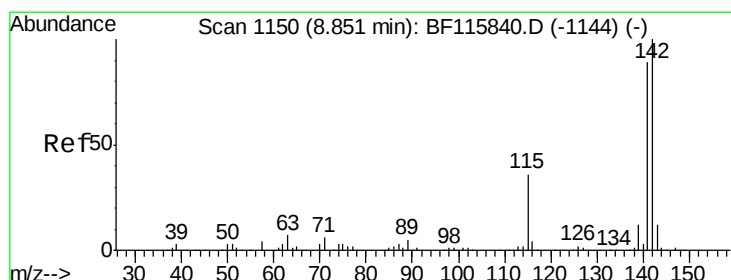
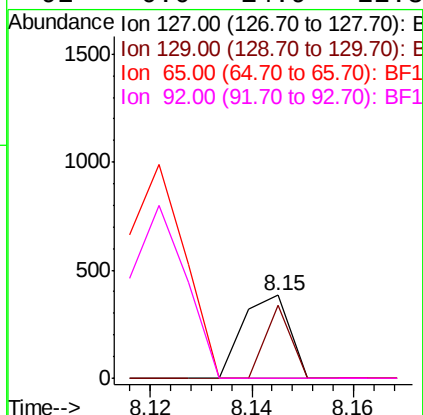
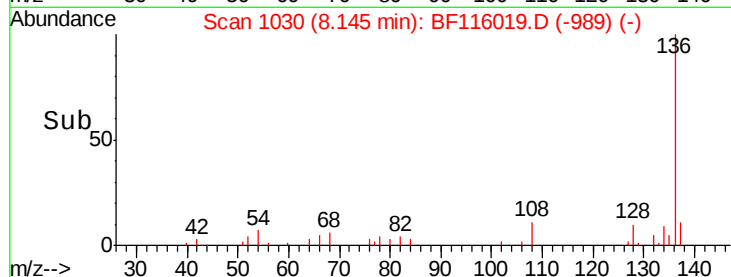
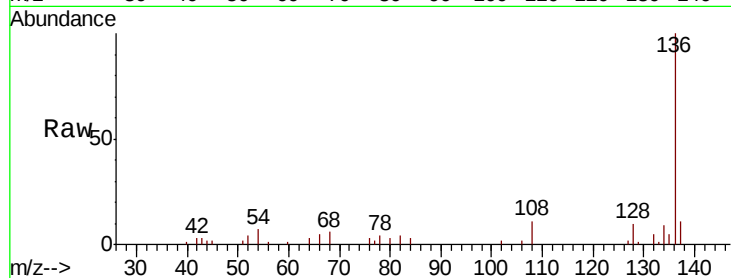




#33
4-Chloroaniline
Concen: 0.023 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.06 min
Lab File: BF116019.D
Acq: 6 Aug 2019 18:01

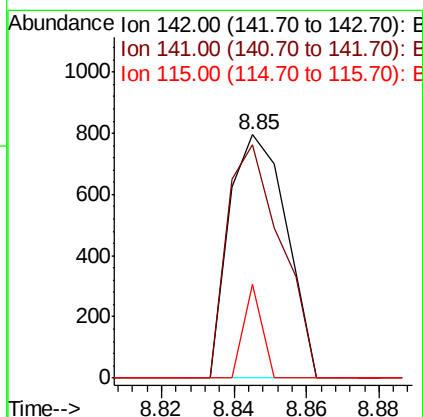
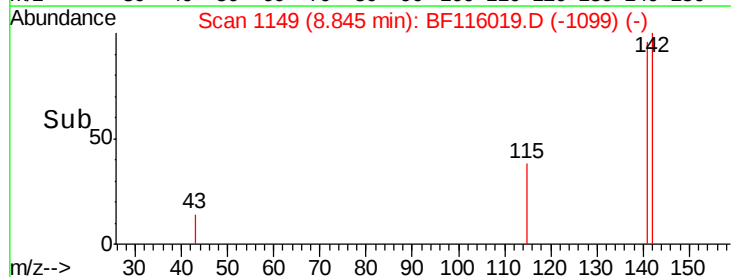
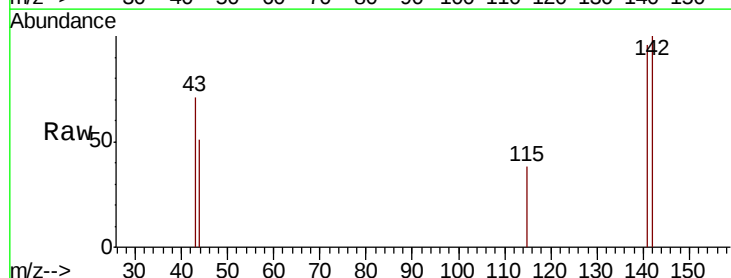
Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(0-1)

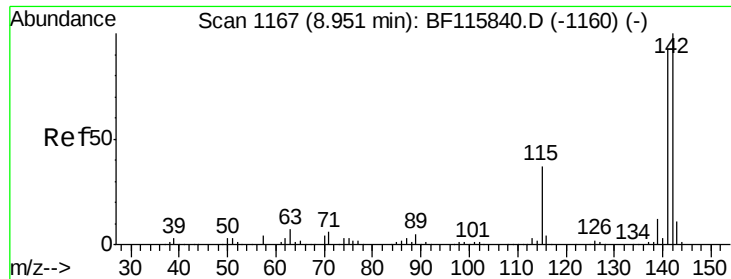
Tot Ion:127 Resp: 248
Ion Ratio Lower Upper
127 100
129 87.2 26.0 39.0#
65 0.0 23.9 35.9#
92 0.0 14.9 22.3#



#37
2-Methylnaphthalene
Concen: 0.054 ng
RT: 8.85 min Scan# 1149
Delta R.T. -0.01 min
Lab File: BF116019.D
Acq: 6 Aug 2019 18:01

Tgt Ion:142 Resp: 869
Ion Ratio Lower Upper
142 100
141 95.9 71.4 107.2
115 38.3 28.9 43.3

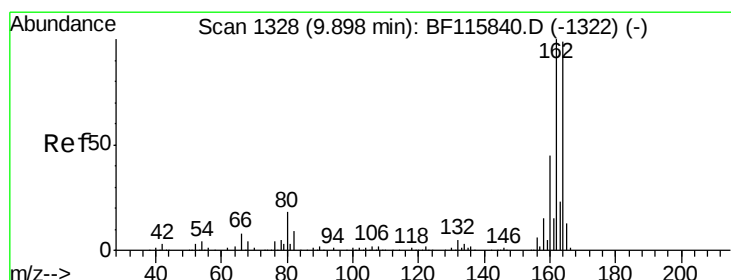
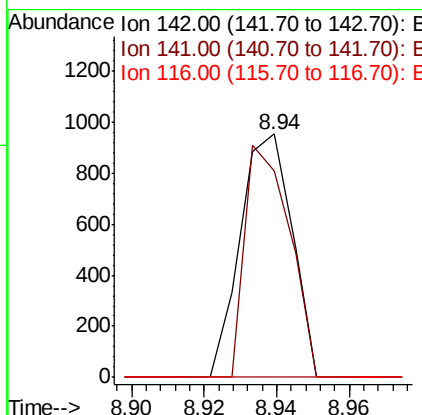
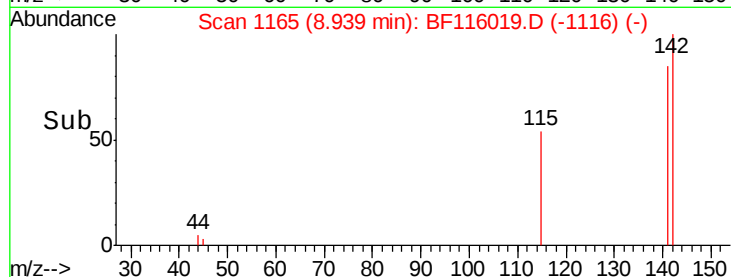
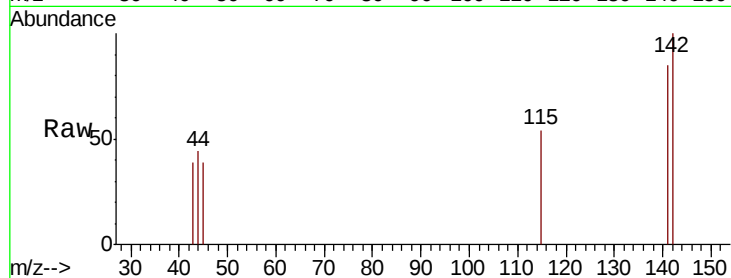




#38
1-Methylnaphthalene
Concen: 0.062 ng
RT: 8.94 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF116019.D
Acq: 6 Aug 2019 18:01

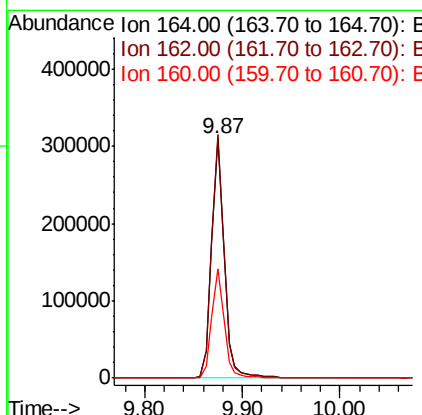
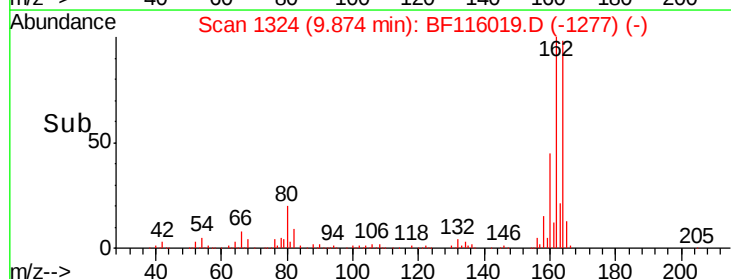
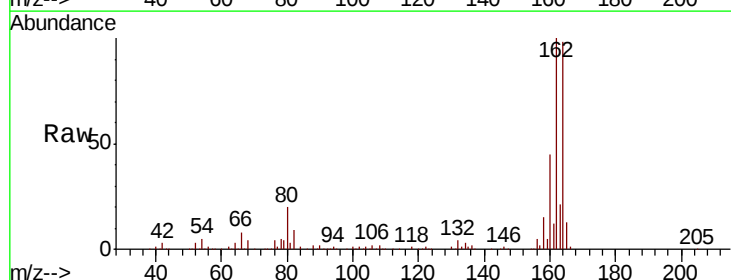
Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(0-1)

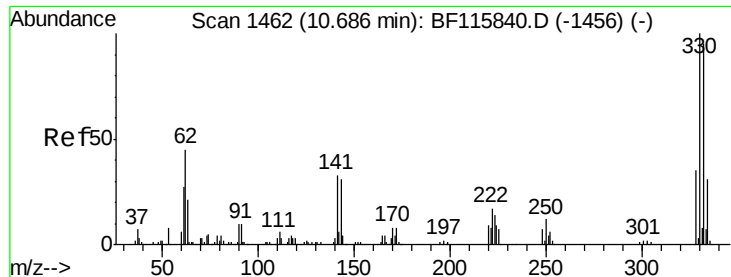
Tot Ion:142 Resp: 945
Ion Ratio Lower Upper
142 100
141 84.9 73.8 110.6
116 0.0 3.1 4.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.02 min
Lab File: BF116019.D
Acq: 6 Aug 2019 18:01

Tgt Ion:164 Resp: 282648
Ion Ratio Lower Upper
164 100
162 101.8 80.8 121.2
160 45.5 36.2 54.4

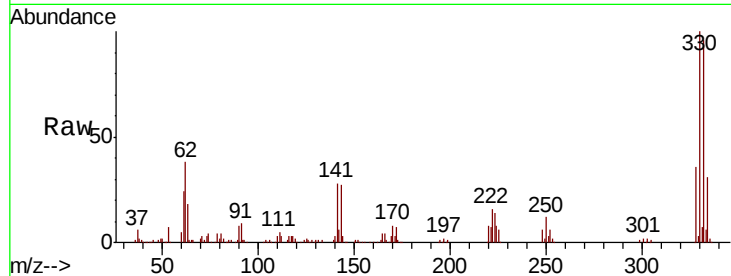




#42
 2,4,6-Tribromophenol
 Concen: 144.692 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.02 min
 Lab File: BF116019.D
 Acq: 6 Aug 2019 18:01

Instrument :
 BNA_F
 ClientSampleId :
 1S-B1-B4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	77.7	116.5
141	33.4	28.1	42.1

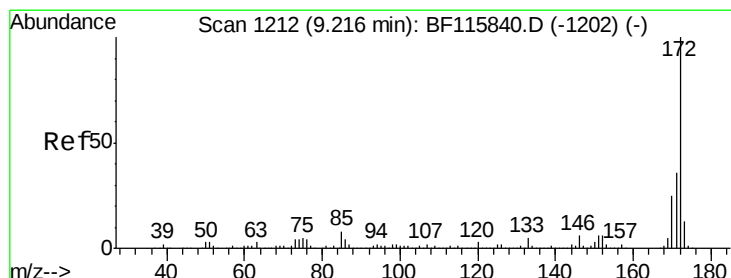
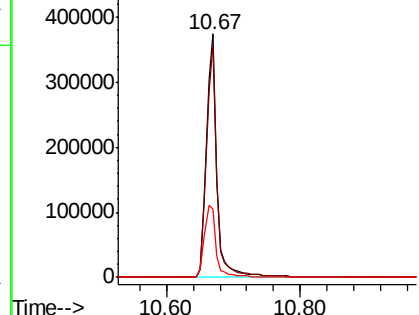
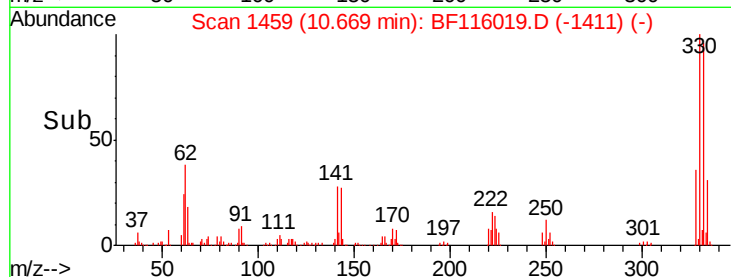


Abundance

Ion 329.80 (329.50 to 330.50): E

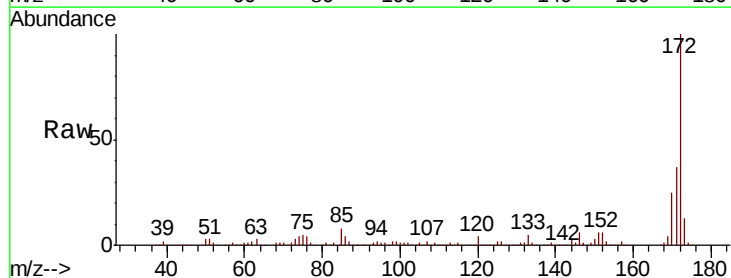
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 99.224 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.02 min
 Lab File: BF116019.D
 Acq: 6 Aug 2019 18:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.1	43.7
170	25.2	20.1	30.1

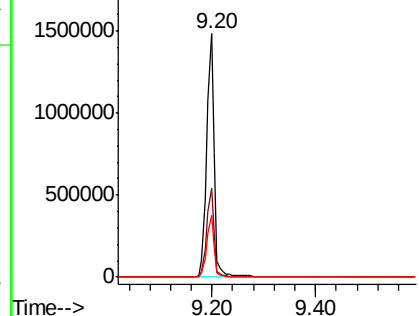
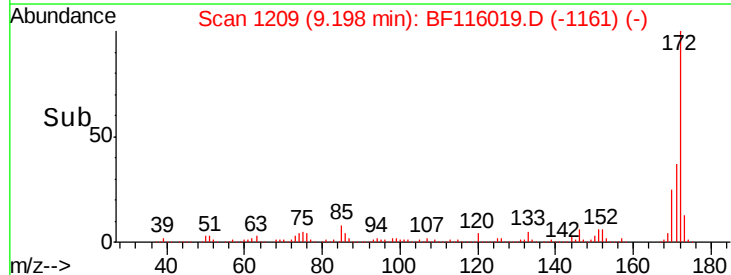


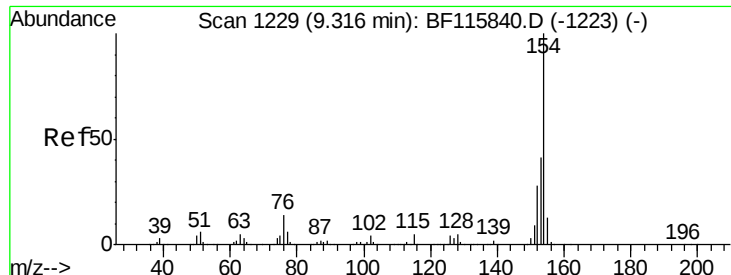
Abundance

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: 0.150 ng

RT: 9.30 min Scan# 1226

Delta R.T. -0.02 min

Lab File: BF116019.D

Acq: 6 Aug 2019 18:01

Instrument :

BNA_F

ClientSampleId :

1S-B1-B4-COMP-(0-1)

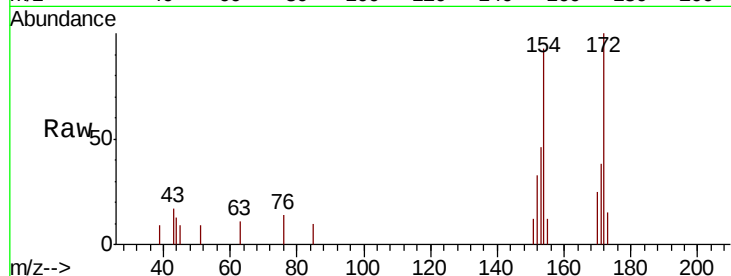
Tot Ion:154 Resp: 3000

Ion Ratio Lower Upper

154 100

153 48.9 20.9 60.9

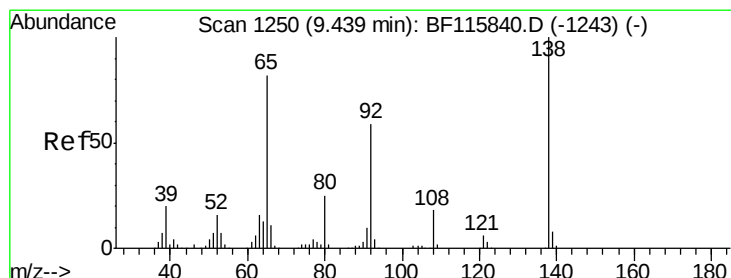
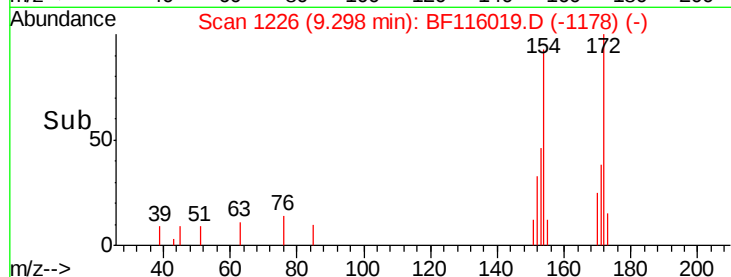
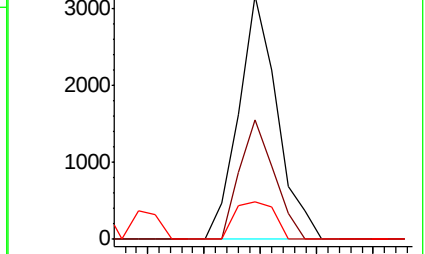
76 15.5 0.0 34.3



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: 0.464 ng

RT: 9.20 min Scan# 1209

Delta R.T. -0.24 min

Lab File: BF116019.D

Acq: 6 Aug 2019 18:01

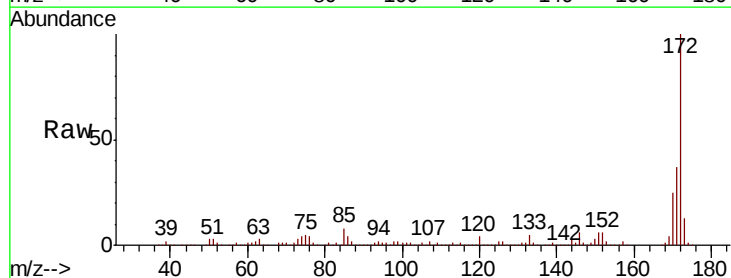
Tgt Ion: 65 Resp: 2545

Ion Ratio Lower Upper

65 100

92 190.2 57.1 85.7#

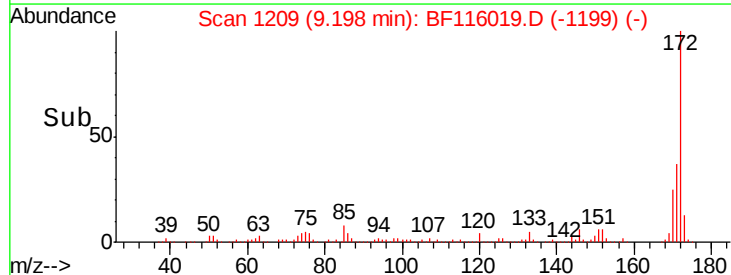
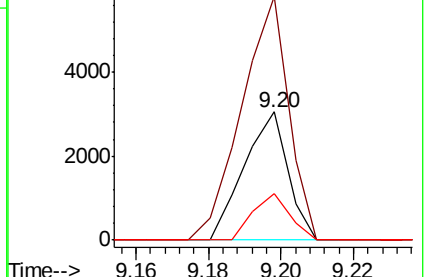
138 36.7 97.1 145.7#

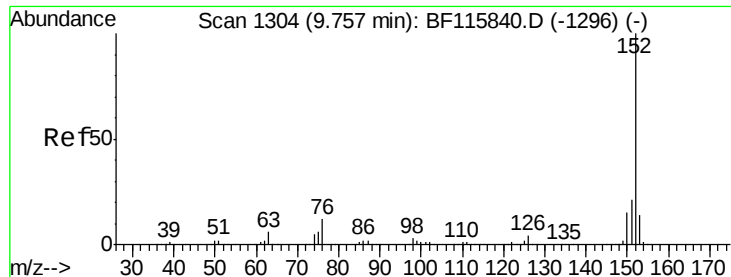


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 0.041 ng

RT: 9.91 min Scan# 1330

Delta R.T. 0.15 min

Lab File: BF116019.D

Acq: 6 Aug 2019 18:01

Instrument :

BNA_F

ClientSampleId :

1S-B1-B4-COMP-(0-1)

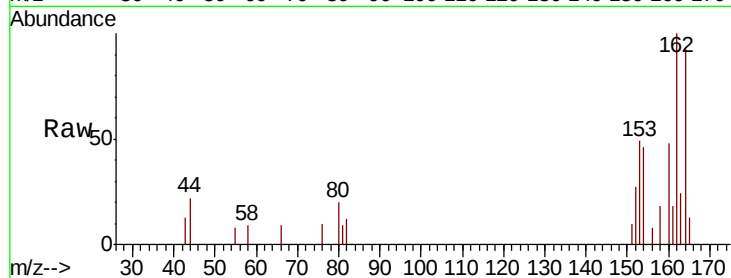
Tot Ion:152 Resp: 992

Ion Ratio Lower Upper

152 100

151 36.2 16.8 25.2#

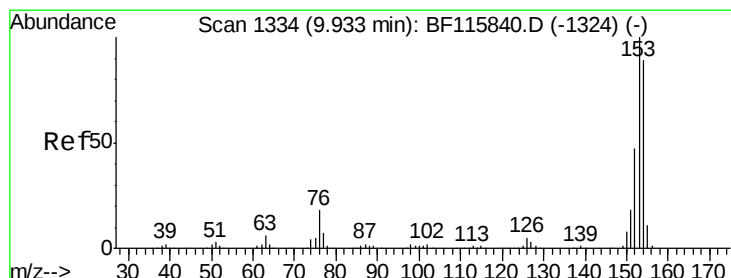
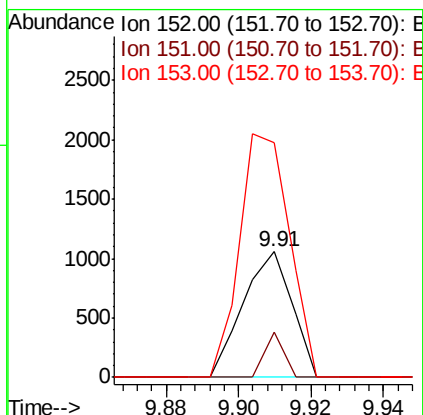
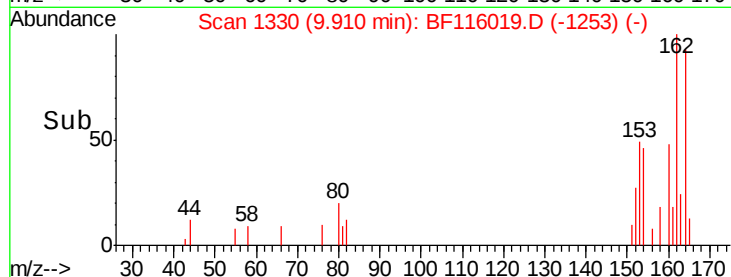
153 186.1 11.6 17.4#



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: 0.112 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.02 min

Lab File: BF116019.D

Acq: 6 Aug 2019 18:01

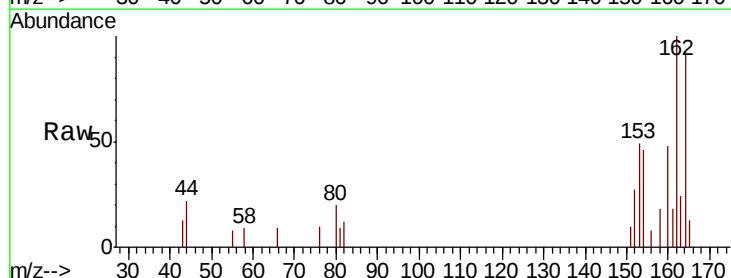
Tgt Ion:154 Resp: 1665

Ion Ratio Lower Upper

154 100

153 107.1 90.1 135.1

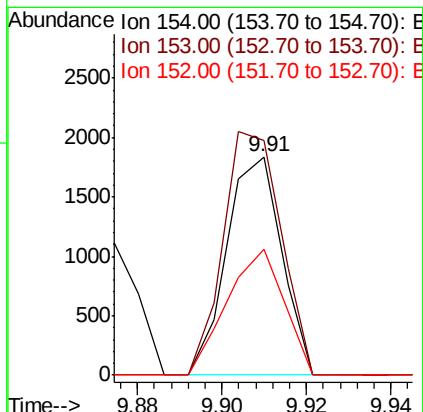
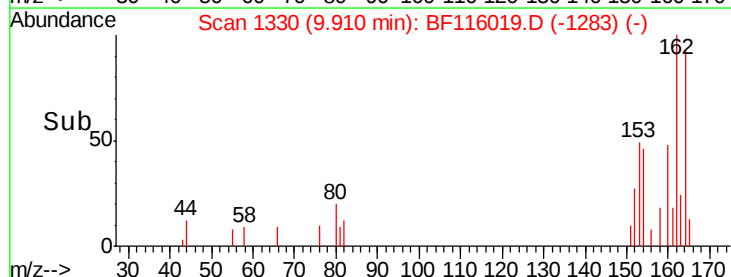
152 57.6 42.6 63.8

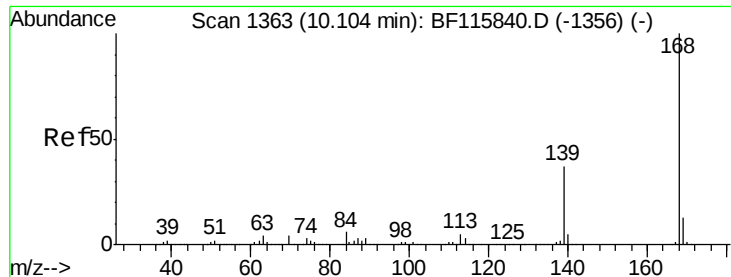


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

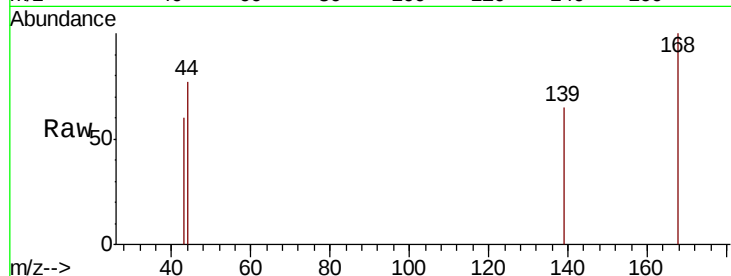




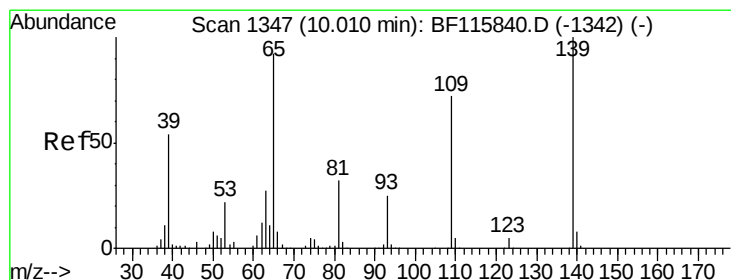
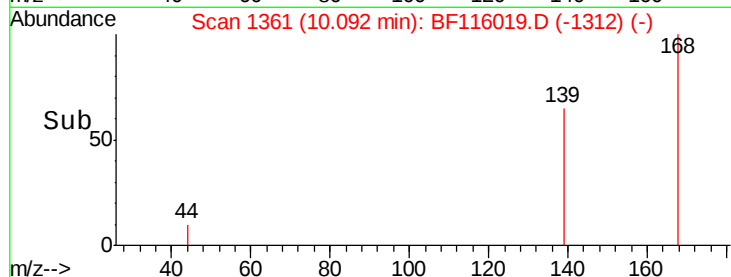
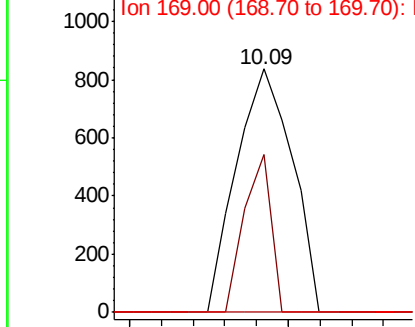
#55
Dibenzofuran
Concen: 0.047 ng
RT: 10.09 min Scan# 1361
Delta R.T. -0.01 min
Lab File: BF116019.D
Acq: 6 Aug 2019 18:01

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(0-1)

Tot Ion:168 Resp: 1023
Ion Ratio Lower Upper
168 100
139 64.6 30.2 45.2#
169 0.0 10.8 16.2#

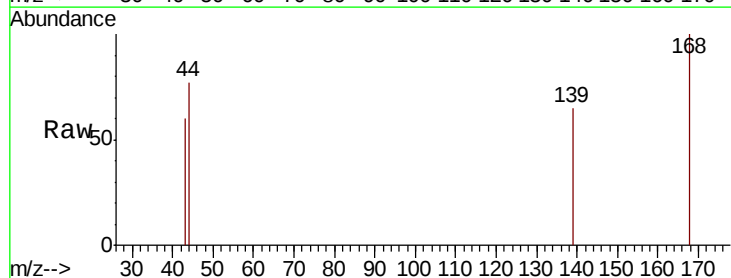


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

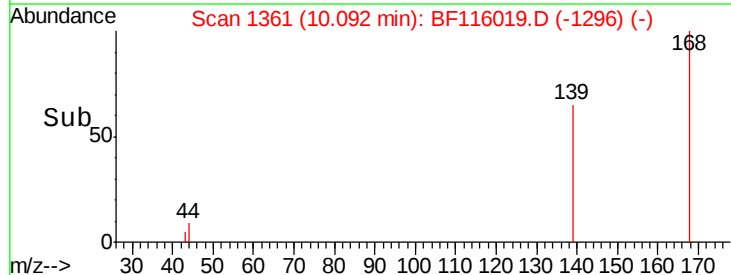
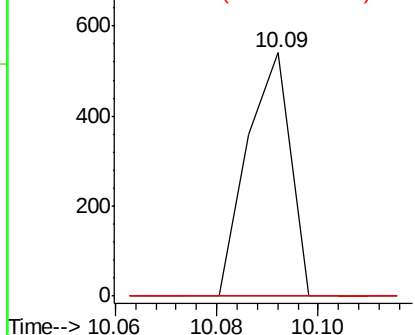


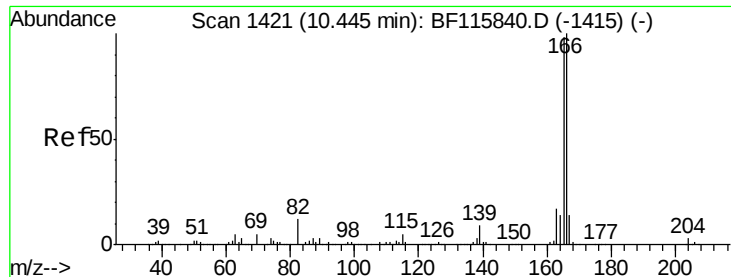
#56
4-Nitrophenol
Concen: 0.096 ng
RT: 10.09 min Scan# 1361
Delta R.T. 0.08 min
Lab File: BF116019.D
Acq: 6 Aug 2019 18:01

Tgt Ion:139 Resp: 318
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: 0.072 ng

RT: 10.43 min Scan# 1418

Delta R.T. -0.02 min

Lab File: BF116019.D

Acq: 6 Aug 2019 18:01

Instrument :

BNA_F

ClientSampleId :

1S-B1-B4-COMP-(0-1)

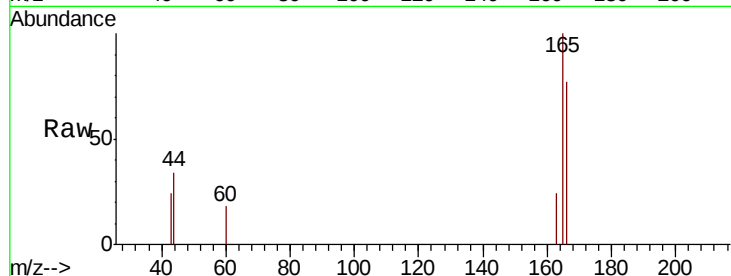
Tot Ion:166 Resp: 1193

Ion Ratio Lower Upper

166 100

165 129.8 78.6 118.0#

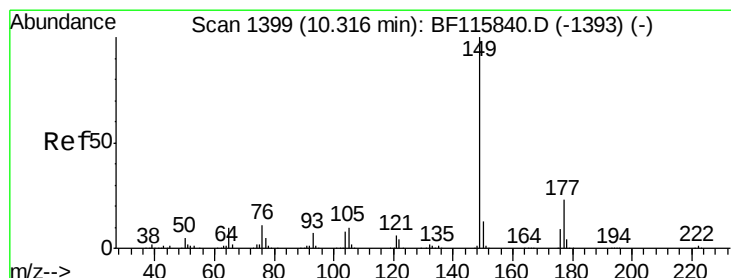
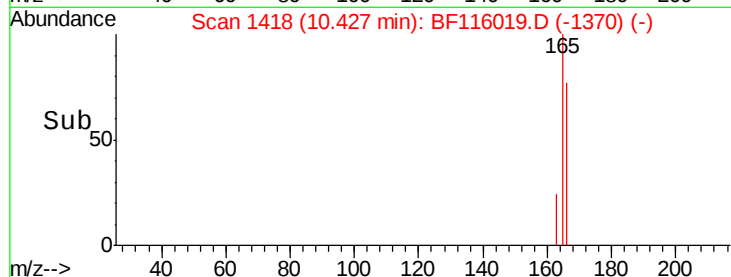
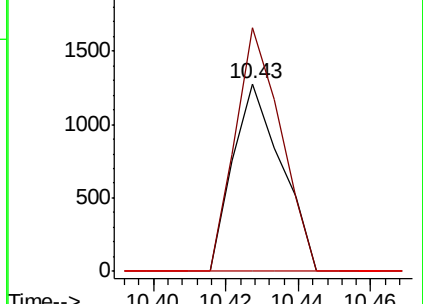
167 0.0 10.9 16.3#



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: 0.191 ng

RT: 10.29 min Scan# 1394

Delta R.T. -0.03 min

Lab File: BF116019.D

Acq: 6 Aug 2019 18:01

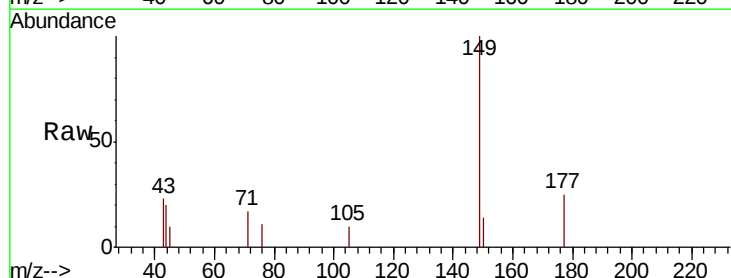
Tgt Ion:149 Resp: 3435

Ion Ratio Lower Upper

149 100

177 24.9 18.4 27.6

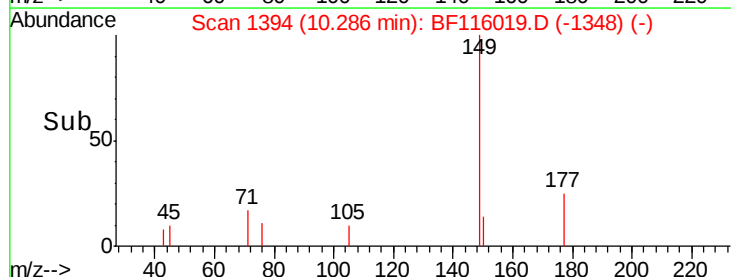
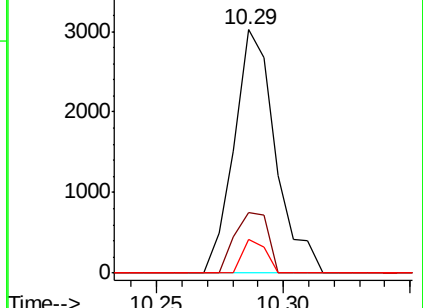
150 14.1 10.1 15.1

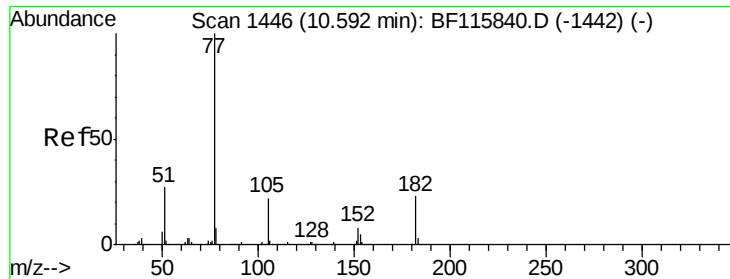


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#63

Azobenzene

Concen: 0.106 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.07 min

Lab File: BF116019.D

Acq: 6 Aug 2019 18:01

Instrument :

BNA_F

ClientSampleId :

1S-B1-B4-COMP-(0-1)

Tot Ion: 77 Resp: 1957

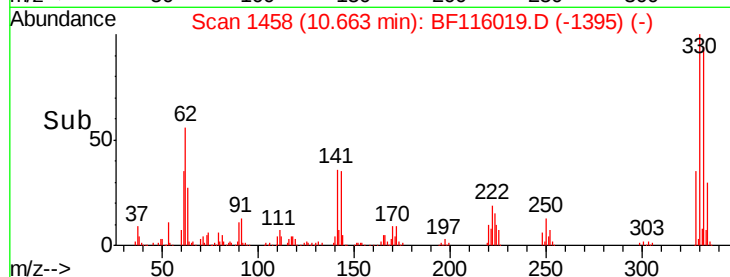
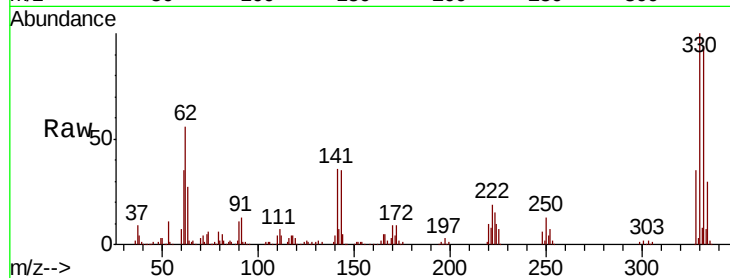
Ion Ratio Lower Upper

77 100

182 0.0 2.6 42.6#

105 98.2 1.6 41.6#

51 74.7 7.4 47.4#

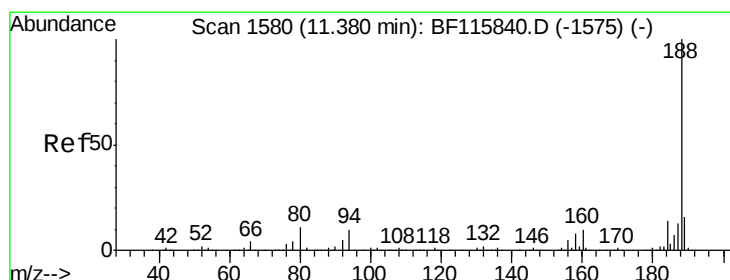
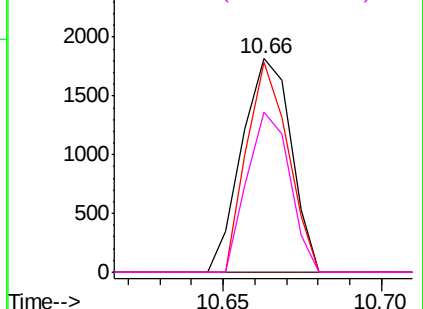


Abundance Ion 77.00 (76.70 to 77.70): BF1

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: BF116019.D

Acq: 6 Aug 2019 18:01

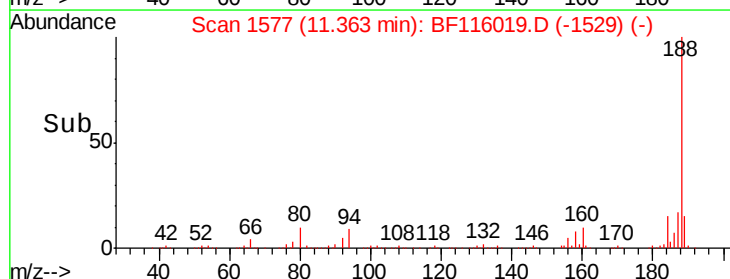
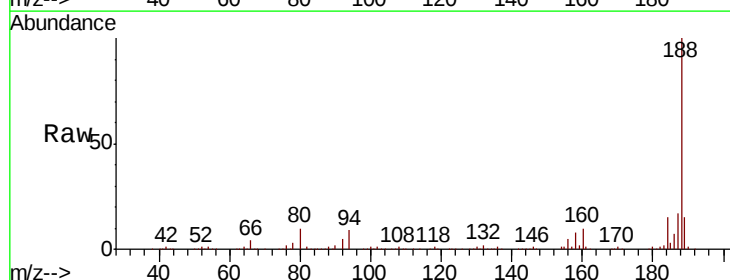
Tgt Ion: 188 Resp: 516575

Ion Ratio Lower Upper

188 100

94 9.0 8.0 12.0

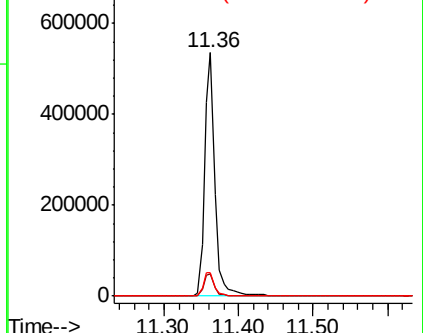
80 9.7 8.6 12.8

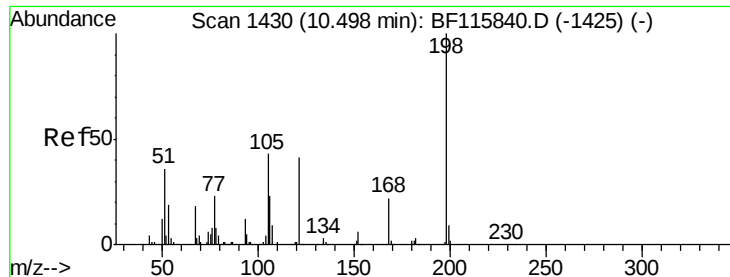


Abundance Ion 188.00 (187.70 to 188.70): E

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: 0.304 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.16 min

Lab File: BF116019.D

Acq: 6 Aug 2019 18:01

Instrument :

BNA_F

ClientSampleId :

1S-B1-B4-COMP-(0-1)

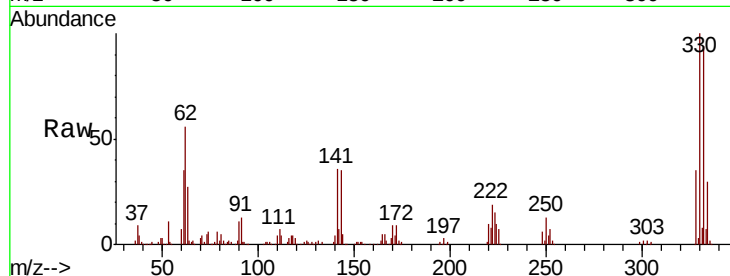
Tot Ion:198 Resp: 833

Ion Ratio Lower Upper

198 100

51 172.8 21.1 61.1#

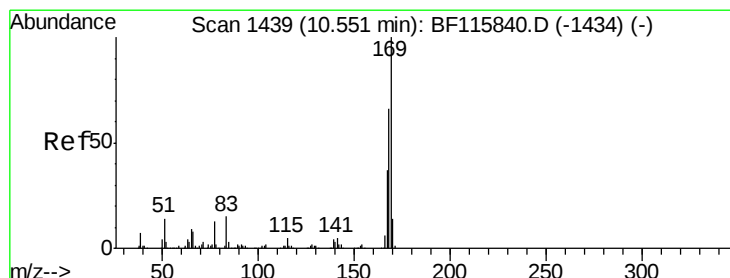
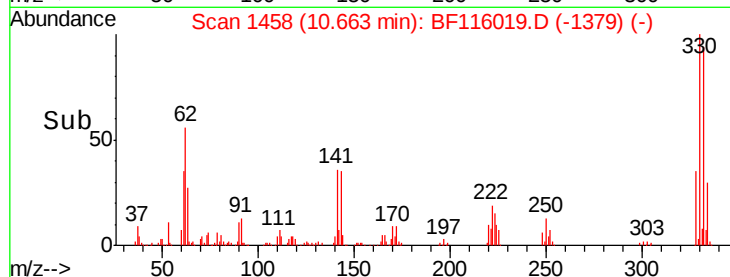
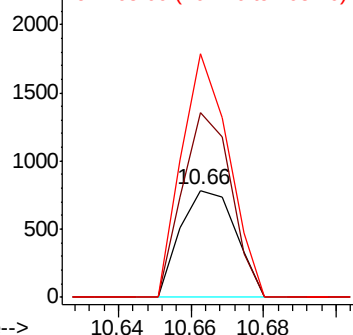
105 227.2 24.5 64.5#



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: 0.729 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.11 min

Lab File: BF116019.D

Acq: 6 Aug 2019 18:01

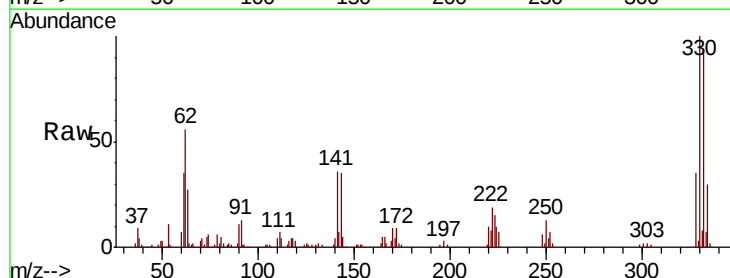
Tgt Ion:169 Resp: 11337

Ion Ratio Lower Upper

169 100

168 7.0 53.0 79.6#

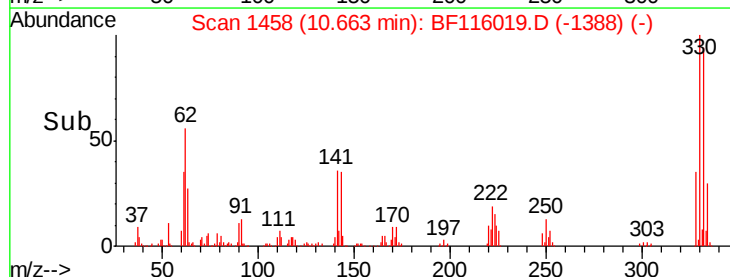
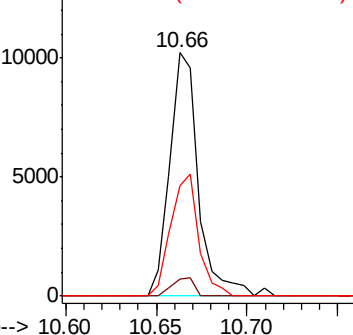
167 45.6 29.9 44.9#

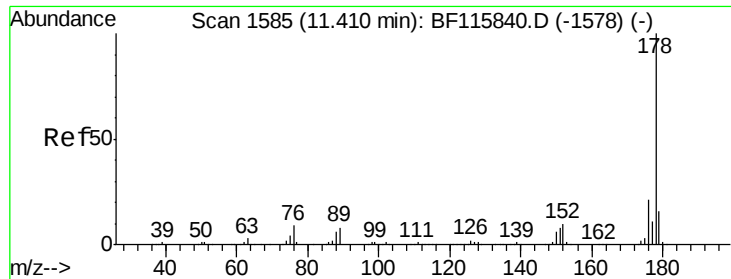


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

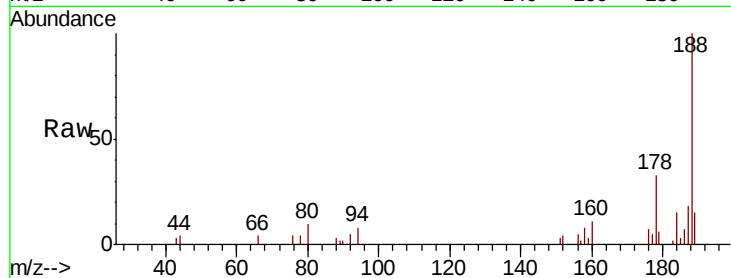




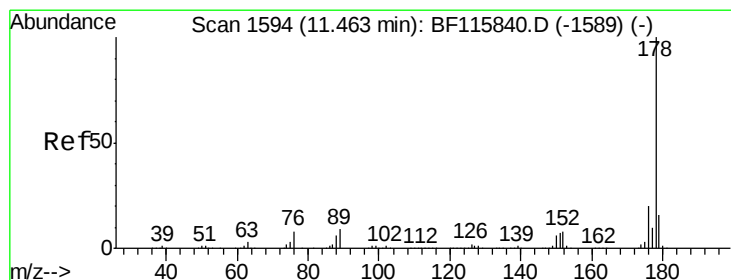
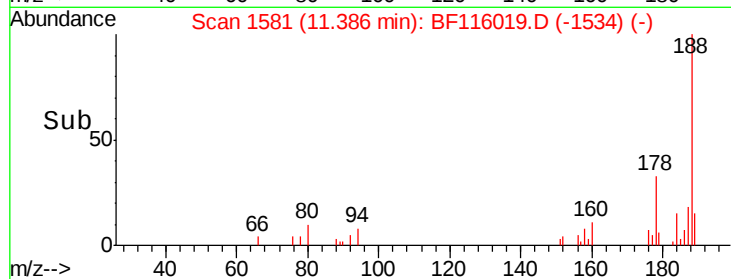
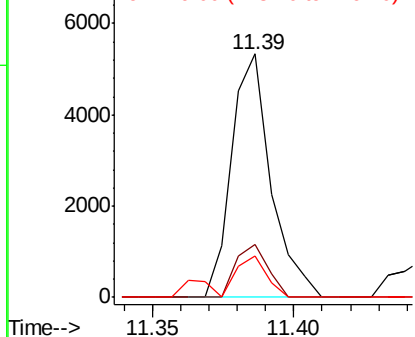
#71
 Phenanthrene
 Concen: 0.195 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.02 min
 Lab File: BF116019.D
 Acq: 6 Aug 2019 18:01

Instrument :
 BNA_F
 ClientSampleId :
 1S-B1-B4-COMP-(0-1)

Tot Ion:178 Resp: 5161
 Ion Ratio Lower Upper
 178 100
 176 21.8 16.5 24.7
 179 17.2 12.6 18.8

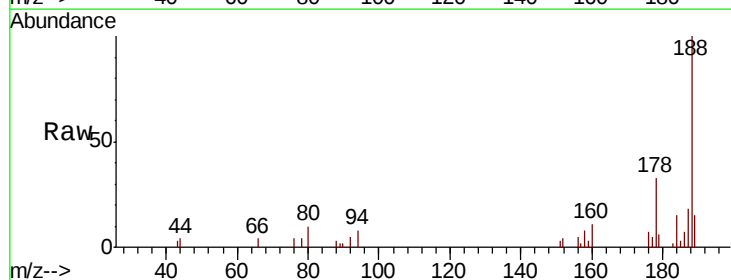


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

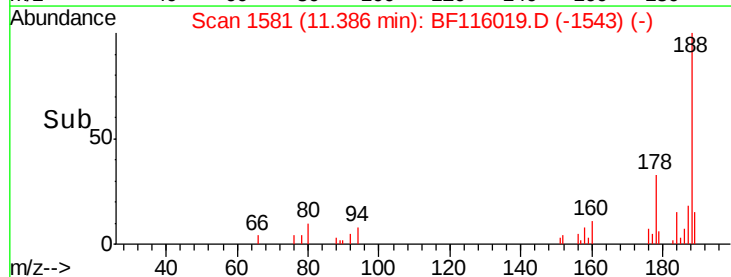
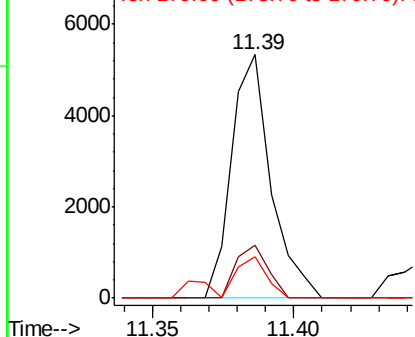


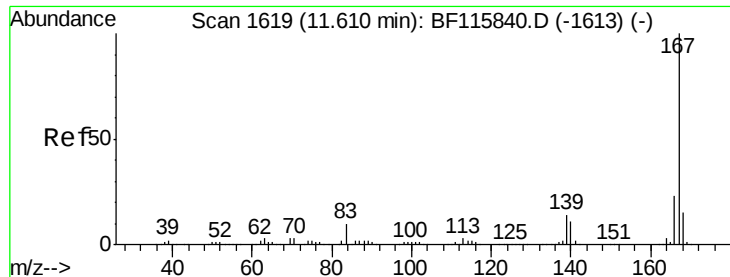
#72
 Anthracene
 Concen: 0.193 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.08 min
 Lab File: BF116019.D
 Acq: 6 Aug 2019 18:01

Tgt Ion:178 Resp: 5161
 Ion Ratio Lower Upper
 178 100
 176 21.8 15.7 23.5
 179 17.2 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





#73

Carbazole

Concen: 0.058 ng

RT: 11.61 min Scan# 1619

Delta R.T. 0.00 min

Lab File: BF116019.D

Acq: 6 Aug 2019 18:01

Instrument :

BNA_F

ClientSampleId :

1S-B1-B4-COMP-(0-1)

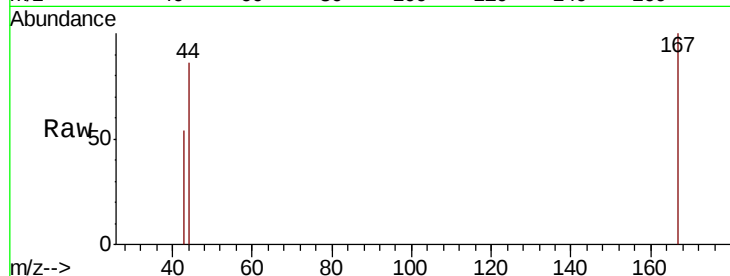
Tot Ion:167 Resp: 1410

Ion Ratio Lower Upper

167 100

166 0.0 18.0 27.0#

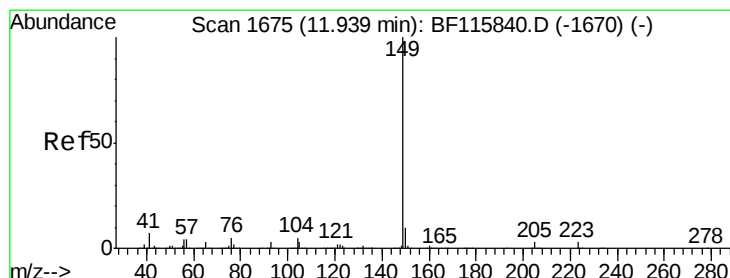
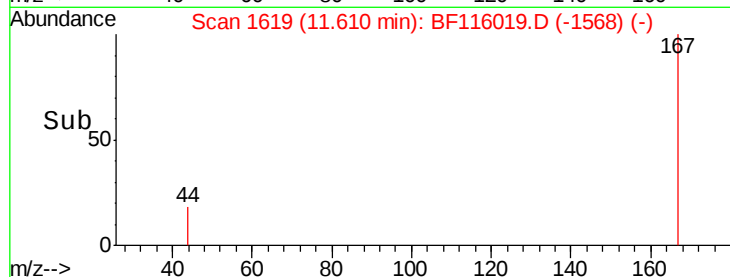
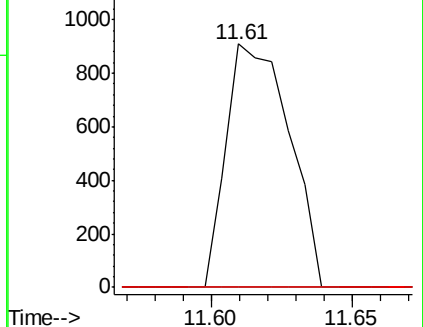
139 0.0 11.4 17.2#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 0.252 ng

RT: 11.92 min Scan# 1671

Delta R.T. -0.02 min

Lab File: BF116019.D

Acq: 6 Aug 2019 18:01

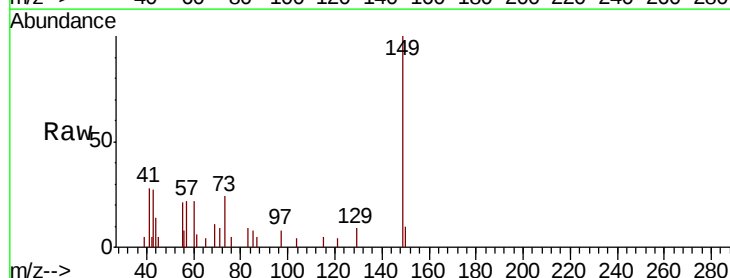
Tgt Ion:149 Resp: 7133

Ion Ratio Lower Upper

149 100

150 10.4 7.7 11.5

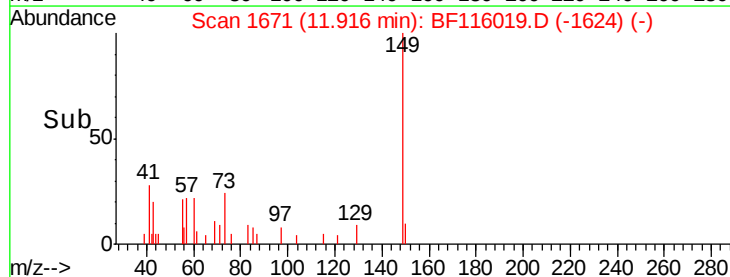
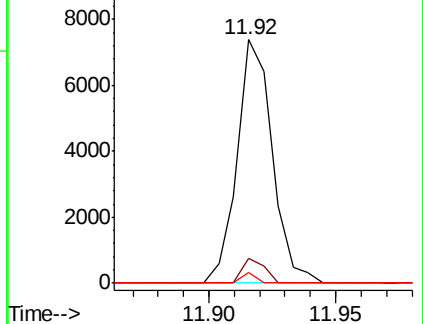
104 4.4 4.3 6.5

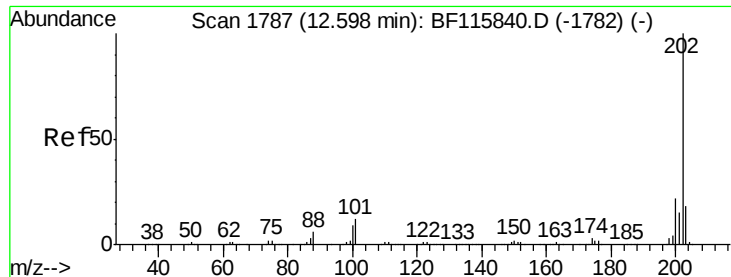


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

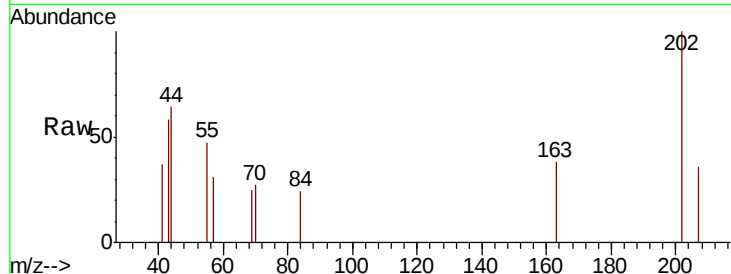




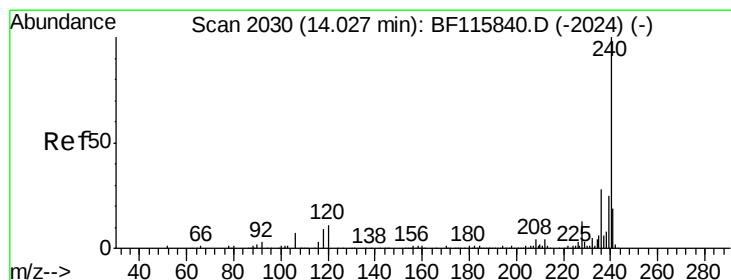
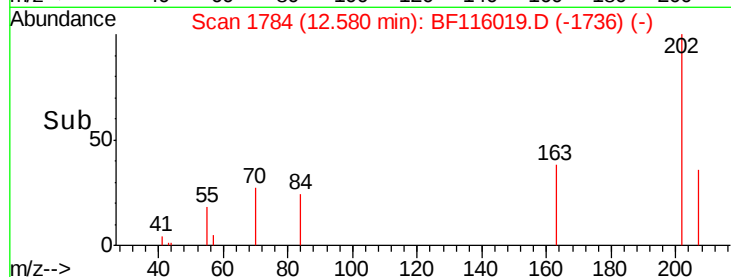
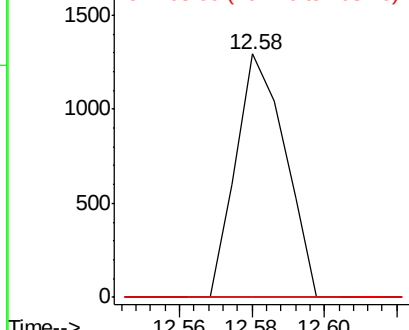
#75
 Fluoranthene
 Concen: 0.044 ng
 RT: 12.58 min Scan# 1784
 Delta R.T. -0.02 min
 Lab File: BF116019.D
 Acq: 6 Aug 2019 18:01

Instrument :
 BNA_F
 ClientSampleId :
 1S-B1-B4-COMP-(0-1)

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

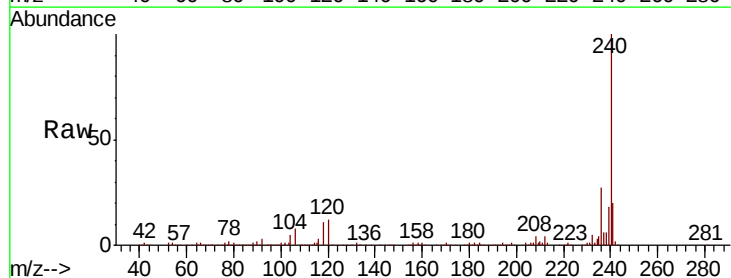


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

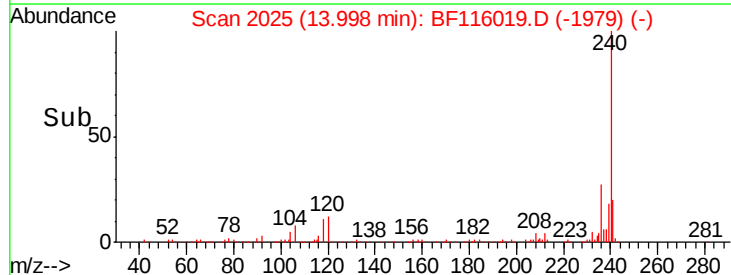
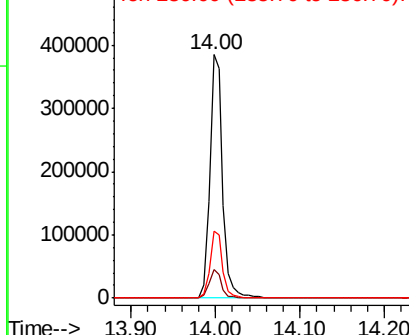


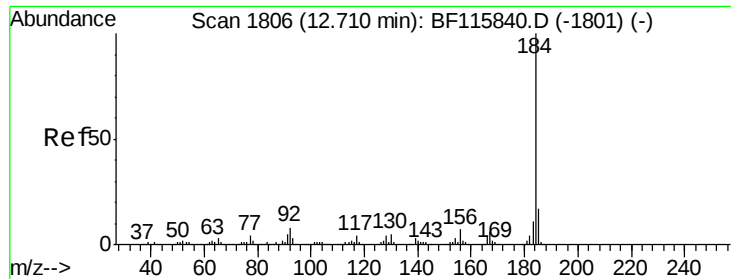
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.03 min
 Lab File: BF116019.D
 Acq: 6 Aug 2019 18:01

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.0	8.5	12.7
236	27.5	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: 1.840 ng

RT: 12.94 min Scan# 1846

Delta R.T. 0.24 min

Lab File: BF116019.D

Acq: 6 Aug 2019 18:01

Instrument :

BNA_F

ClientSampleId :

1S-B1-B4-COMP-(0-1)

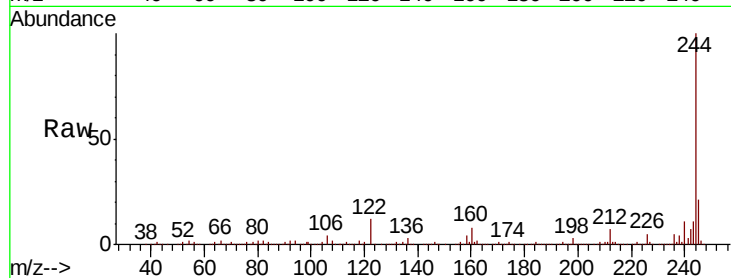
Tot Ion:184 Resp: 25471

Ion Ratio Lower Upper

184 100

185 16.5 13.4 20.2

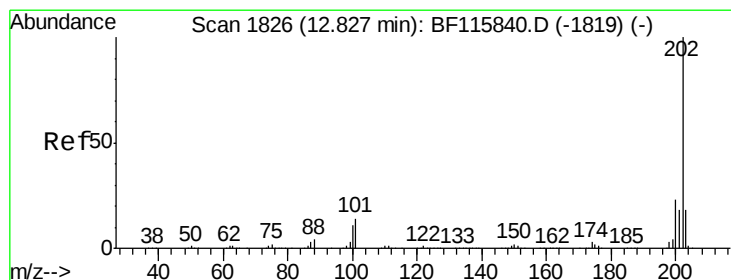
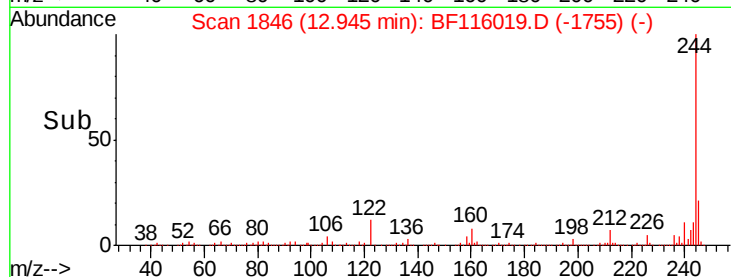
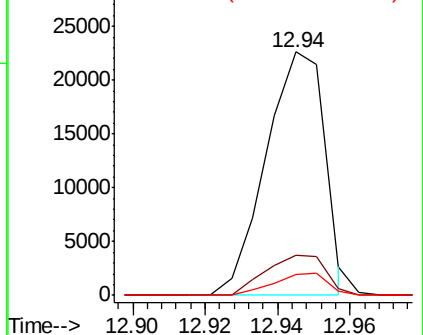
183 8.5 9.1 13.7#



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: 0.022 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.02 min

Lab File: BF116019.D

Acq: 6 Aug 2019 18:01

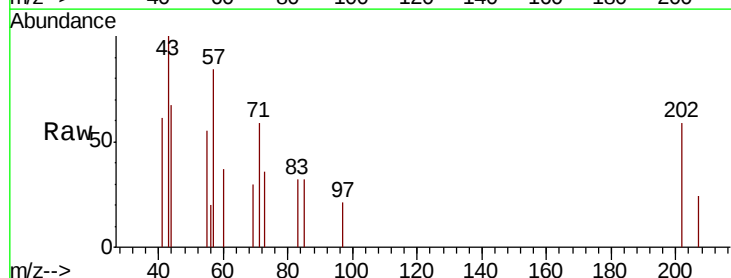
Tgt Ion:202 Resp: 693

Ion Ratio Lower Upper

202 100

200 0.0 18.2 27.2#

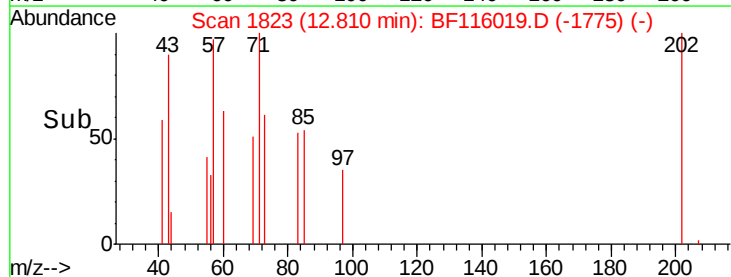
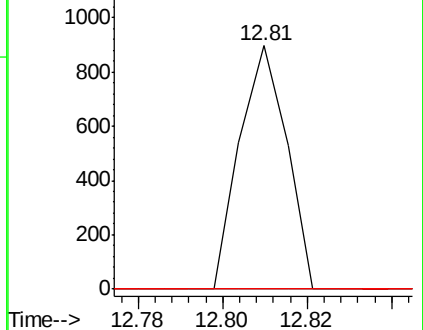
203 0.0 14.3 21.5#

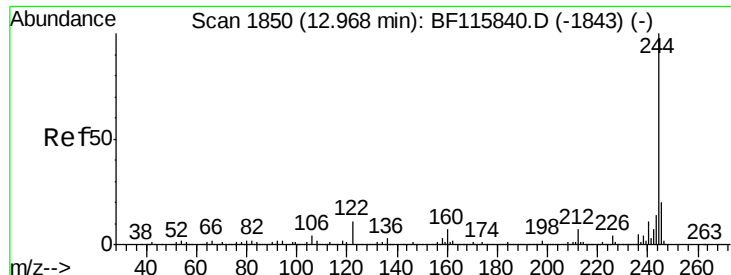


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 94.883 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.02 min

Lab File: BF116019.D

Acq: 6 Aug 2019 18:01

Instrument :

BNA_F

ClientSampleId :

1S-B1-B4-COMP-(0-1)

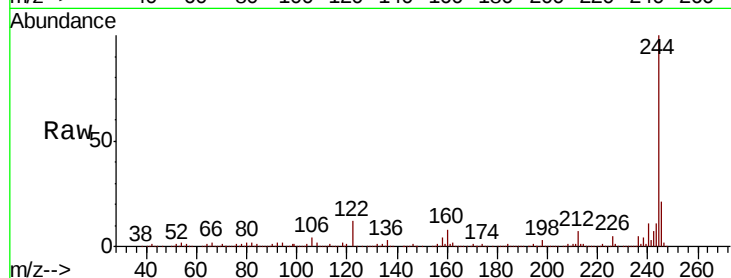
Tot Ion:244 Resp: 1844758

Ion Ratio Lower Upper

244 100

212 7.3 5.6 8.4

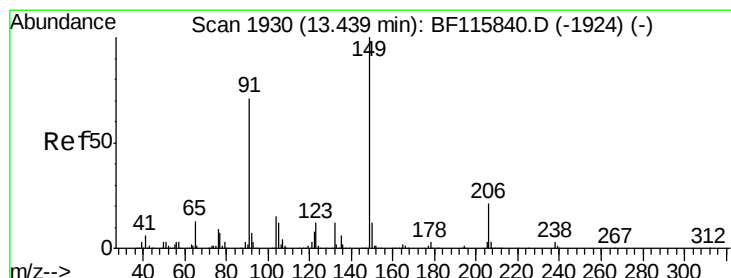
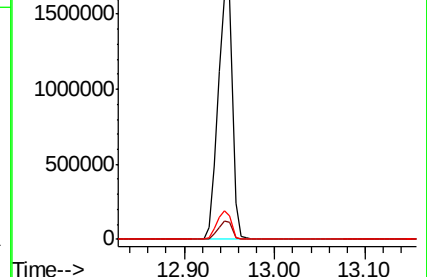
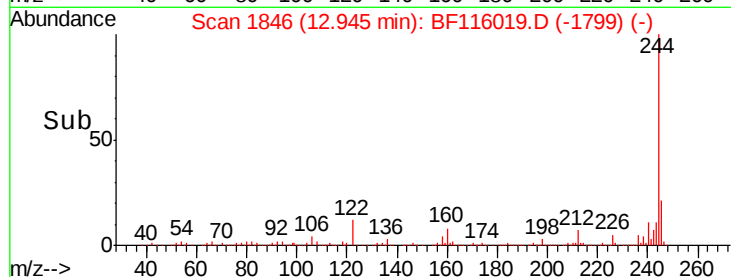
122 11.9 8.6 13.0



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: 0.017 ng

RT: 13.42 min Scan# 1926

Delta R.T. -0.02 min

Lab File: BF116019.D

Acq: 6 Aug 2019 18:01

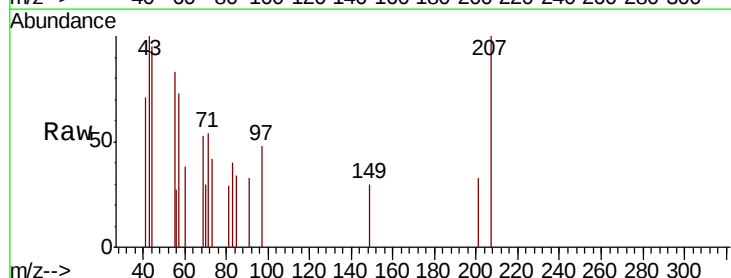
Tgt Ion:149 Resp: 227

Ion Ratio Lower Upper

149 100

91 108.0 57.0 85.6#

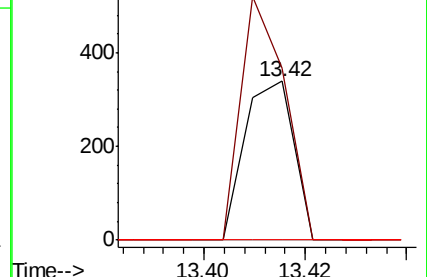
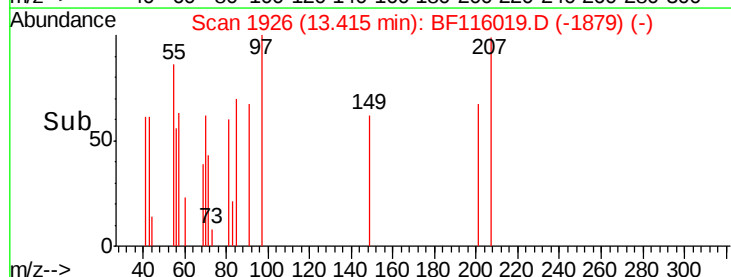
206 0.0 16.9 25.3#

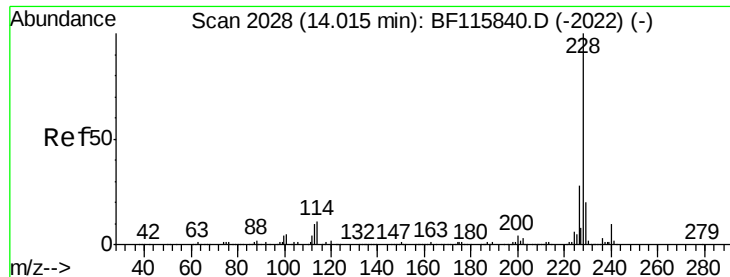


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 0.043 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF116019.D

Acq: 6 Aug 2019 18:01

Instrument :

BNA_F

ClientSampleId :

1S-B1-B4-COMP-(0-1)

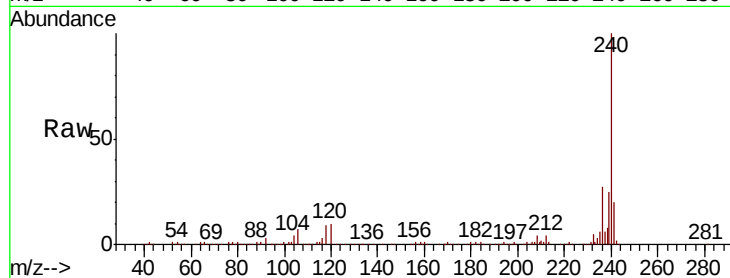
Tot Ion:228 Resp: 1129

Ion Ratio Lower Upper

228 100

226 0.0 22.5 33.7#

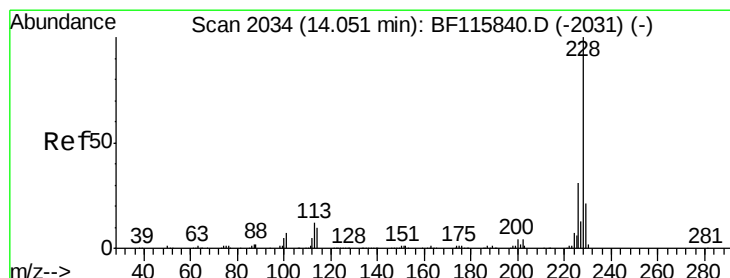
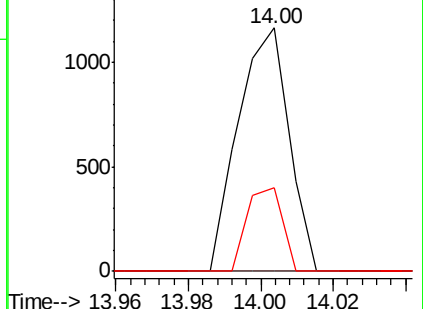
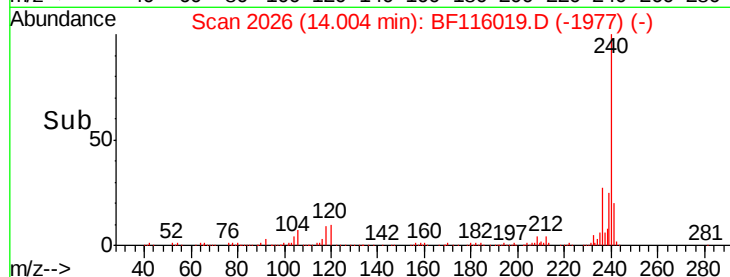
229 34.3 16.1 24.1#



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# 2026

Delta R.T. -0.05 min

Lab File: BF116019.D

Acq: 6 Aug 2019 18:01

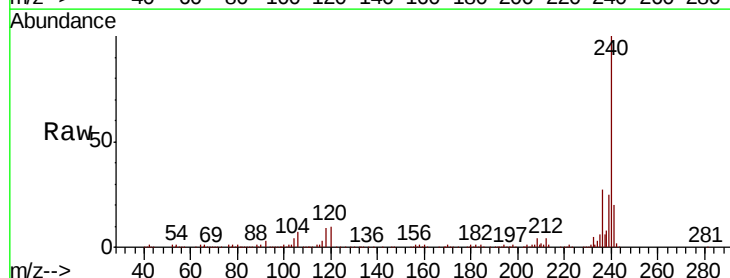
Tgt Ion:228 Resp: 1129

Ion Ratio Lower Upper

228 100

226 0.0 24.8 37.2#

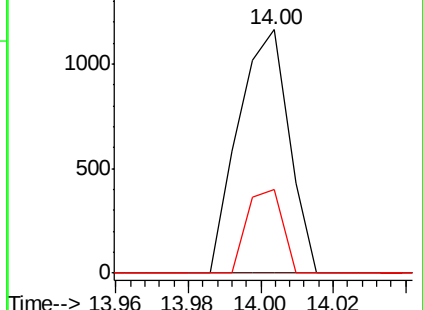
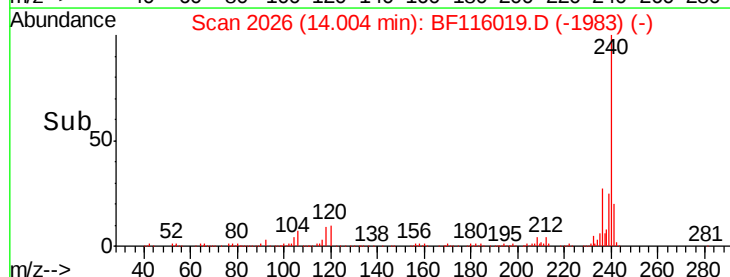
229 34.3 16.4 24.6#

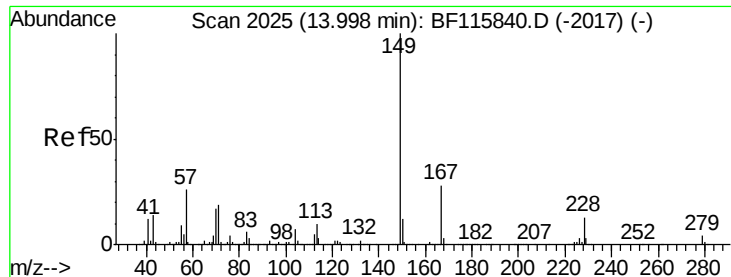


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.082 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.03 min

Lab File: BF116019.D

Acq: 6 Aug 2019 18:01

Instrument :

BNA_F

ClientSampleId :

1S-B1-B4-COMP-(0-1)

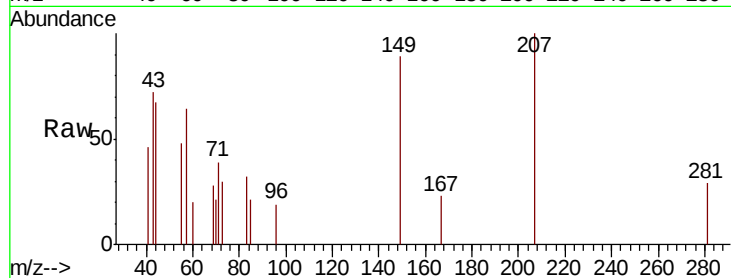
Tot Ion:149 Resp: 1392

Ion Ratio Lower Upper

149 100

167 25.8 22.4 33.6

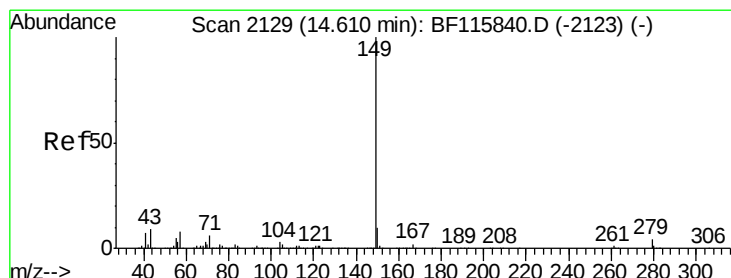
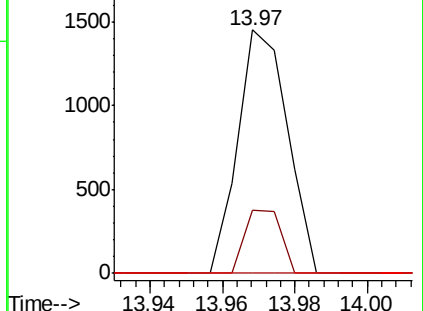
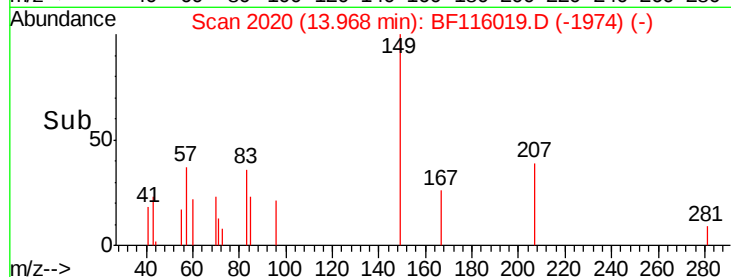
279 0.0 3.3 4.9#



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: 0.005 ng

RT: 14.62 min Scan# 2130

Delta R.T. 0.01 min

Lab File: BF116019.D

Acq: 6 Aug 2019 18:01

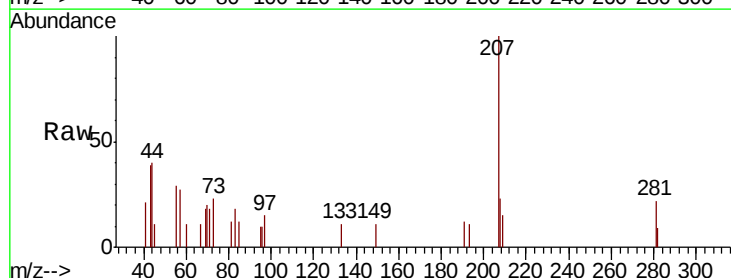
Tgt Ion:149 Resp: 125

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

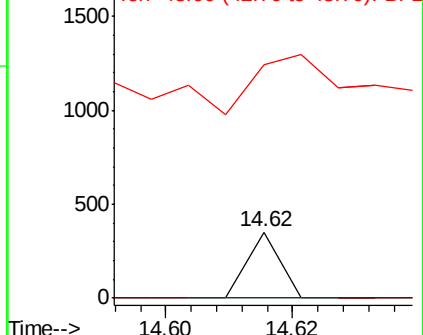
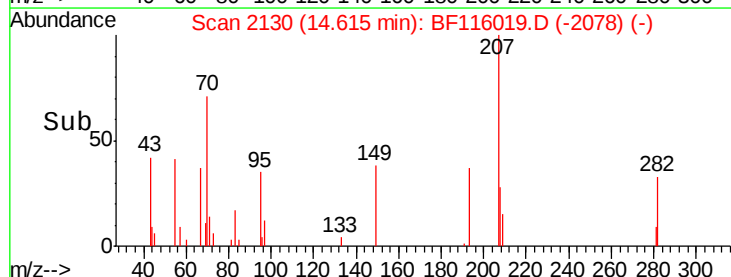
43 0.0 7.4 11.0#

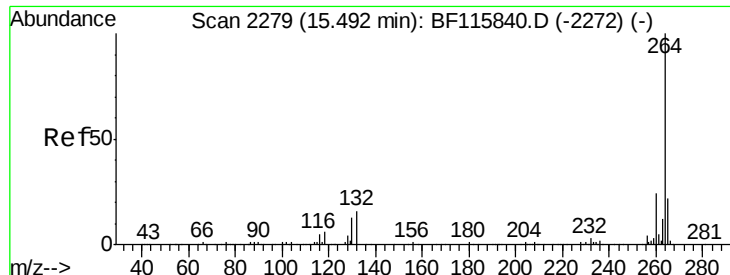


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

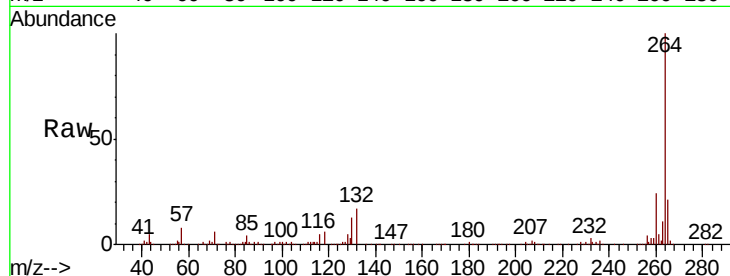




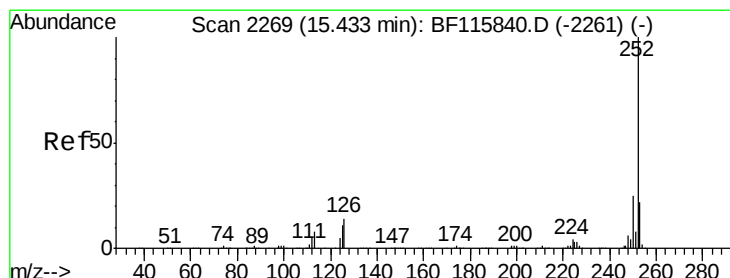
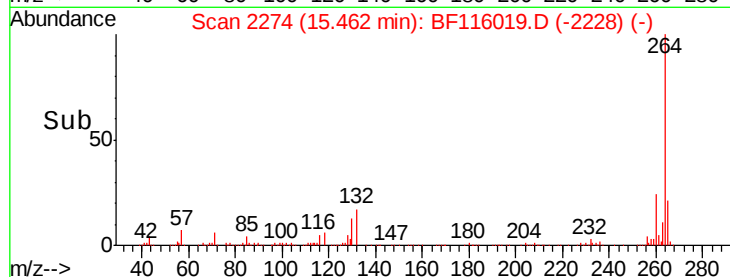
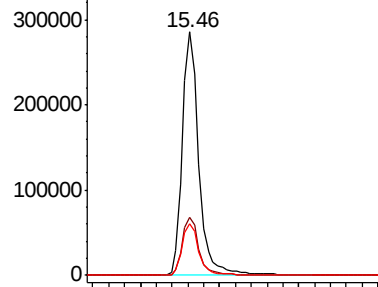
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.03 min
Lab File: BF116019.D
Acq: 6 Aug 2019 18:01

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(0-1)

Tot Ion:264 Resp: 416738
Ion Ratio Lower Upper
264 100
260 23.9 19.4 29.2
265 21.3 17.5 26.3

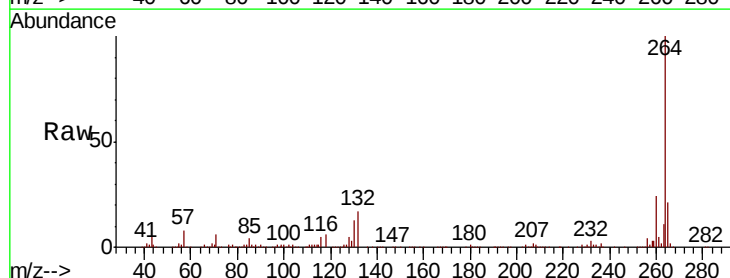


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#90
Benzo(a)pyrene
Concen: 0.058 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.03 min
Lab File: BF116019.D
Acq: 6 Aug 2019 18:01

Tgt Ion:252 Resp: 1259
Ion Ratio Lower Upper
252 100
253 34.5 17.8 26.6#
125 113.8 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

