

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
 Data File : BF116030.D
 Acq On : 6 Aug 2019 22:55
 Operator : HP/JU
 Sample : K4136-16
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1S-C1-C4-COMP-(30)

Quant Time: Aug 07 05:35:18 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	120942	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	467258	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	247855	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	438320	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	309347	20.00	ng	-0.02
87) Perylene-d12	15.46	264	338977	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	865120	119.75	ng	0.00
7) Phenol-d6	6.48	99	1007868	110.57	ng	0.00
23) Nitrobenzene-d5	7.40	82	787247	97.25	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	335271	139.52	ng	-0.02
45) 2-Fluorobiphenyl	9.20	172	1381592	104.41	ng	-0.02
79) Terphenyl-d14	12.94	244	1544074	105.18	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) n-Nitrosodimethylamine	3.27	42	107	0.027	ng	# 1
6) Aniline	6.62	93	1260	0.097	ng	# 1
8) 2-Chlorophenol	6.63	128	123	0.015	ng	# 1
9) Benzaldehyde	6.48	77	1377	0.219	ng	# 1
10) Phenol	6.62	94	2114	0.197	ng	# 1
11) bis(2-Chloroethyl)ether	6.62	93	1260	0.160	ng	# 1
15) Benzyl Alcohol	7.00	79	13374	1.933	ng	# 47
16) 2,2'-oxybis(1-Chloropropan	7.18	45	206	0.019	ng	# 65
18) Hexachloroethane	7.37	117	368	0.108	ng	# 1
22) Acetophenone	7.27	105	537	0.052	ng	# 52
24) Nitrobenzene	7.40	77	2541	0.291	ng	# 34
31) Naphthalene	8.15	128	1687	0.077	ng	# 68
37) 2-Methylnaphthalene	8.95	142	799	0.055	ng	# 68
38) 1-Methylnaphthalene	8.95	142	799	0.058	ng	# 84
46) 1,1'-Biphenyl	9.30	154	2757	0.158	ng	# 90
48) 2-Nitroaniline	9.20	65	2295	0.477	ng	# 1
49) Acenaphthylene	9.91	152	251	0.012	ng	# 1
52) Acenaphthene	9.90	154	621	0.048	ng	# 77
58) Fluorene	10.43	166	570	0.039	ng	# 90
60) Diethylphthalate	10.29	149	588	0.037	ng	# 58
63) Azobenzene	10.66	77	1555	0.096	ng	# 11
65) 4,6-Dinitro-2-methylphenol	10.66	198	669	0.288	ng	# 1
66) n-Nitrosodiphenylamine	10.66	169	9394	0.712	ng	# 42
71) Phenanthrene	11.39	178	1974	0.088	ng	# 96
72) Anthracene	11.39	178	1974	0.087	ng	# 97
74) Di-n-butylphthalate	11.92	149	1820	0.076	ng	# 77
75) Fluoranthene	12.59	202	426	0.018	ng	# 64
77) Benzidine	12.94	184	20784	1.989	ng	# 97
78) Pyrene	12.82	202	474	0.020	ng	# 56
81) Benzo(a)anthracene	14.00	228	719	0.036	ng	# 51
83) Chrysene	14.00	228	719	0.037	ng	# 48
84) Bis(2-ethylhexyl)phthalate	13.97	149	532	0.042	ng	# 52
90) Benzo(a)pyrene	15.46	252	687	0.039	ng	# 59

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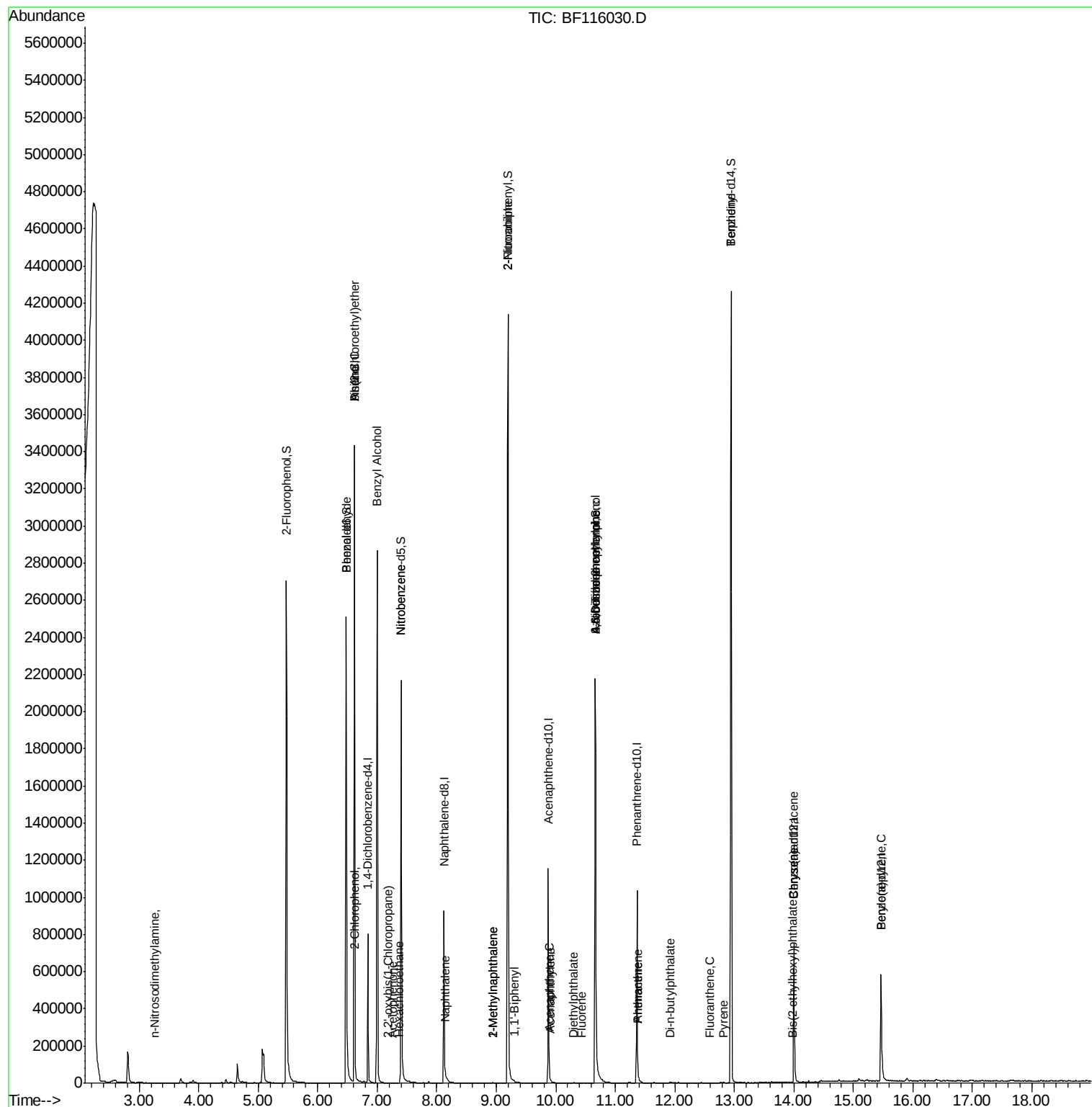
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF116030.D

Acq: 6 Aug 2019 22:55

Instrument :

BNA_F

ClientSampleId :

1S-C1-C4-COMP-(30)

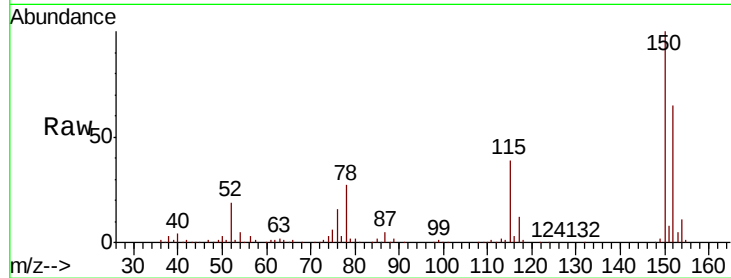
Tot Ion:152 Resp: 120942

Ion Ratio Lower Upper

152 100

150 153.7 127.4 191.0

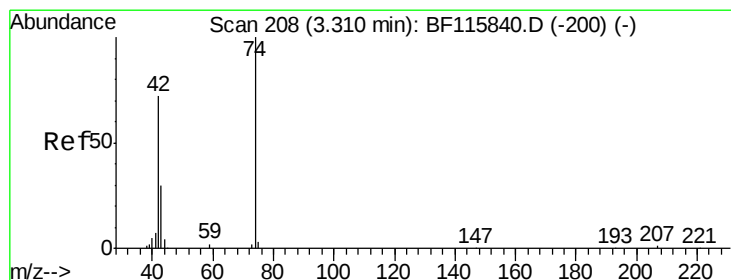
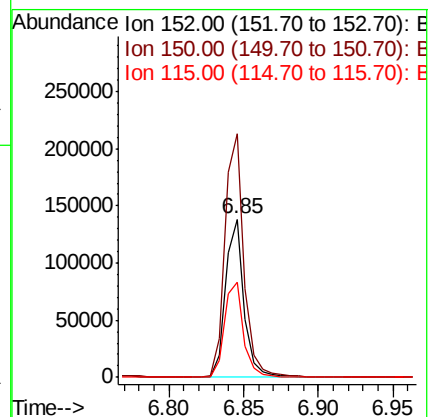
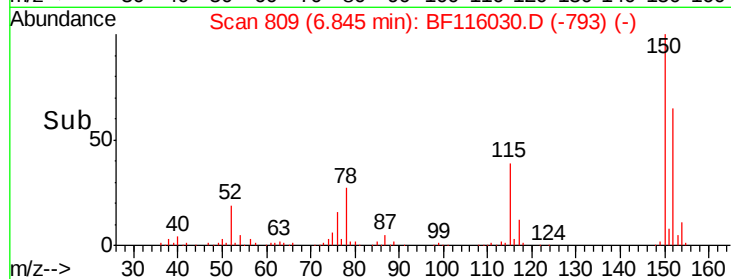
115 60.1 51.8 77.8



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: 3.27 min Scan# 202

Delta R.T. -0.04 min

Lab File: BF116030.D

Acq: 6 Aug 2019 22:55

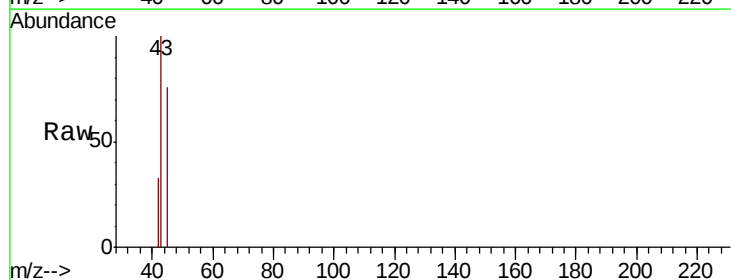
Tgt Ion: 42 Resp: 107

Ion Ratio Lower Upper

42 100

74 0.0 111.0 166.4#

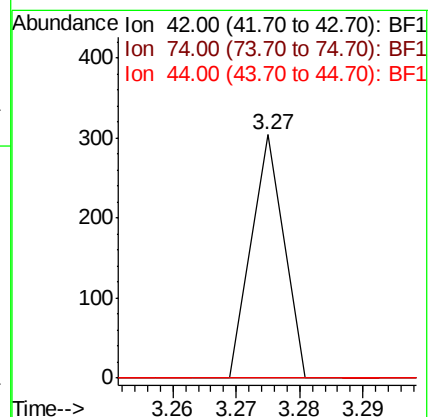
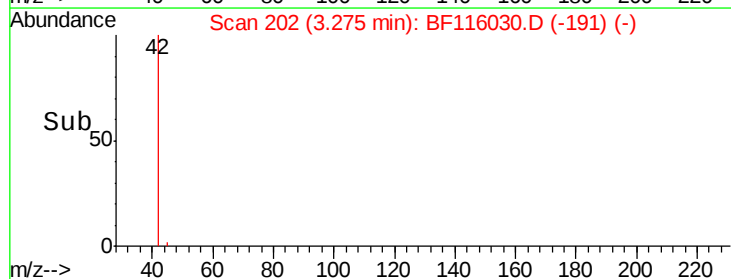
44 0.0 4.7 7.1#

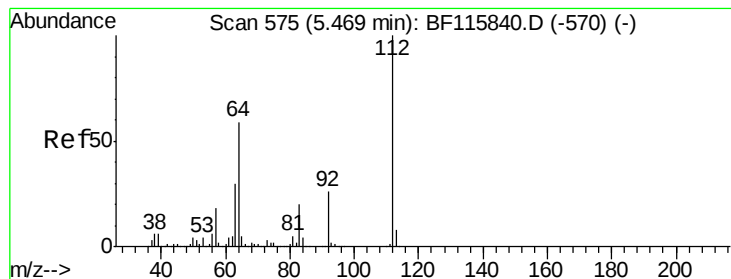


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 119.749 ng

RT: 5.47 min Scan# 576

Delta R.T. 0.01 min

Lab File: BF116030.D

Acq: 6 Aug 2019 22:55

Instrument :

BNA_F

ClientSampleId :

1S-C1-C4-COMP-(30)

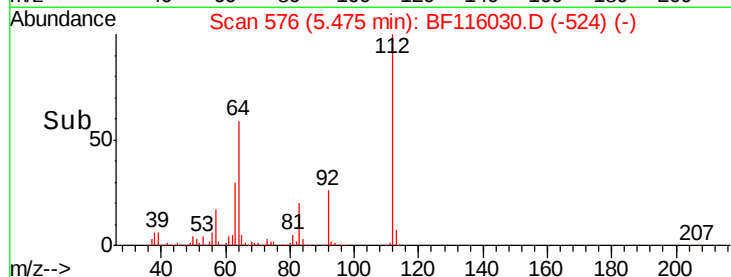
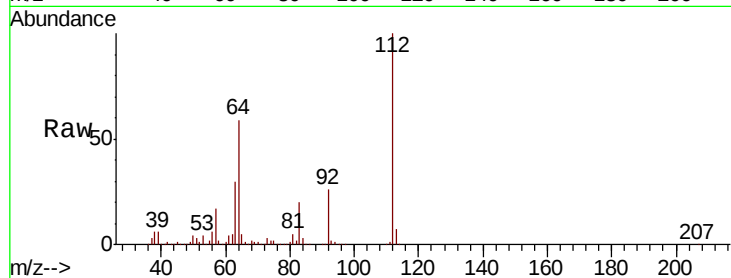
Tot Ion:112 Resp: 865120

Ion Ratio Lower Upper

112 100

64 58.6 46.8 70.2

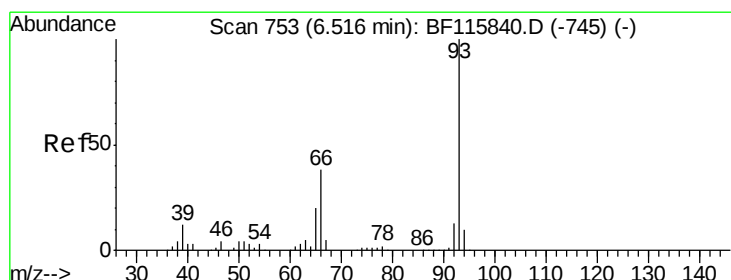
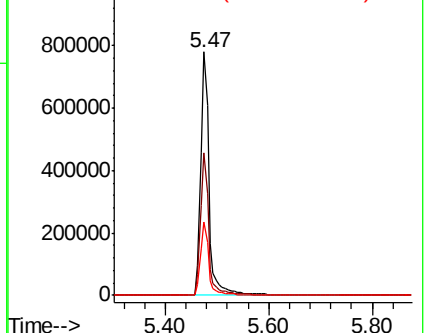
63 30.3 24.2 36.2



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: BF116030.D

Acq: 6 Aug 2019 22:55

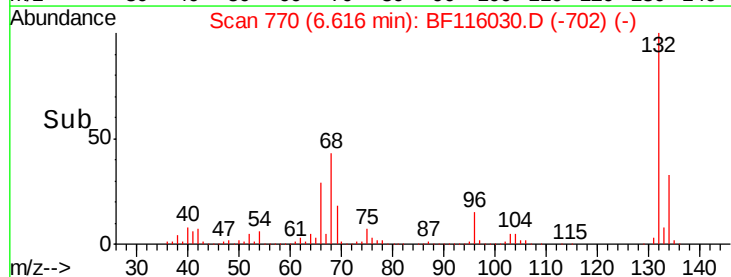
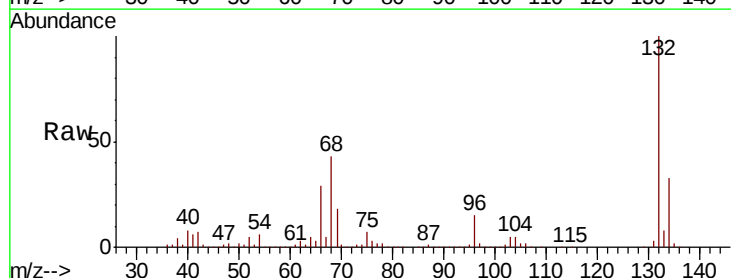
Tgt Ion: 93 Resp: 1260

Ion Ratio Lower Upper

93 100

66 18341.1 31.4 47.0#

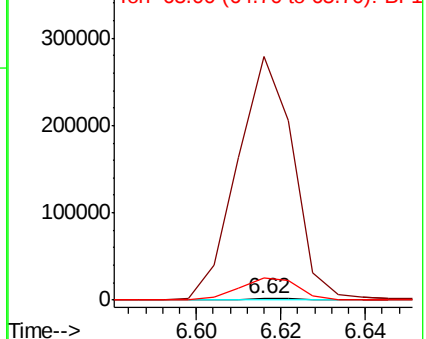
65 1662.6 16.5 24.7#

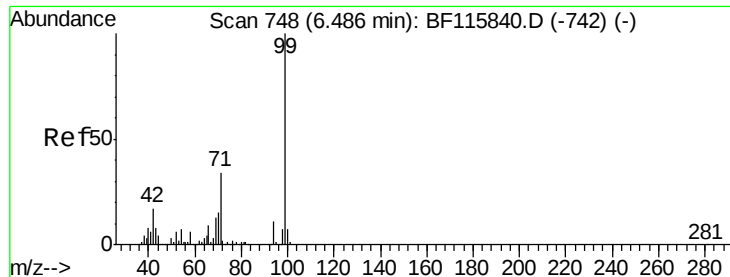


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 110.573 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116030.D

Acq: 6 Aug 2019 22:55

Instrument :

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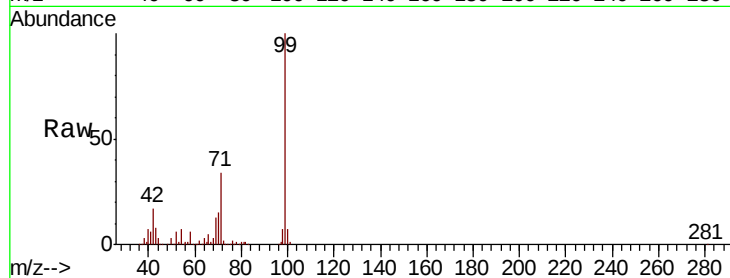
Tot Ion: 99 Resp: 1007868

Ion Ratio Lower Upper

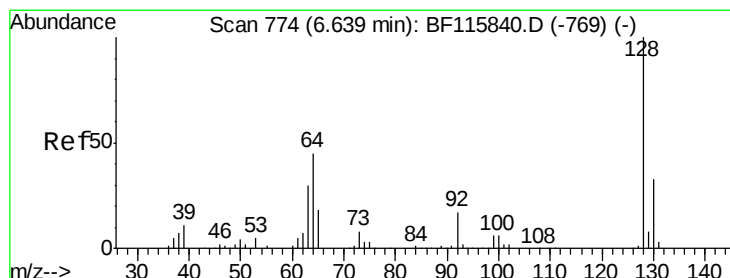
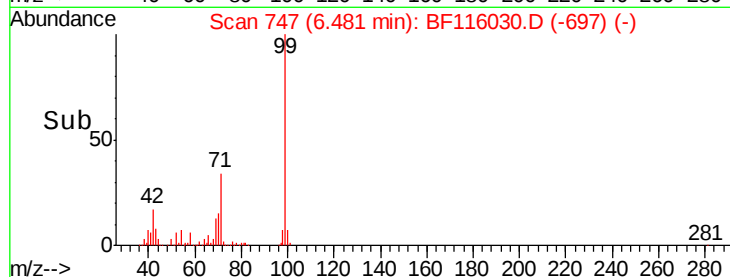
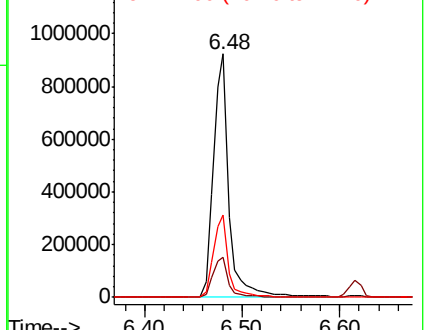
99 100

42 16.6 13.8 20.6

71 33.7 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: 0.015 ng

RT: 6.63 min Scan# 773

Delta R.T. -0.01 min

Lab File: BF116030.D

Acq: 6 Aug 2019 22:55

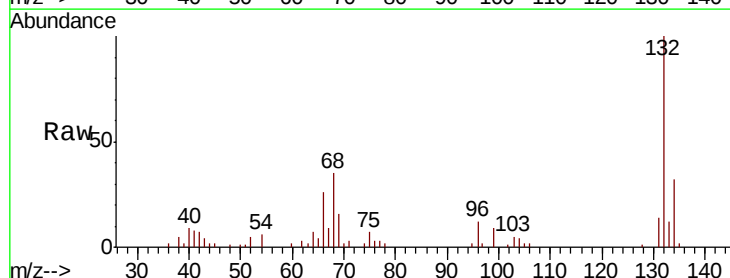
Tgt Ion: 128 Resp: 123

Ion Ratio Lower Upper

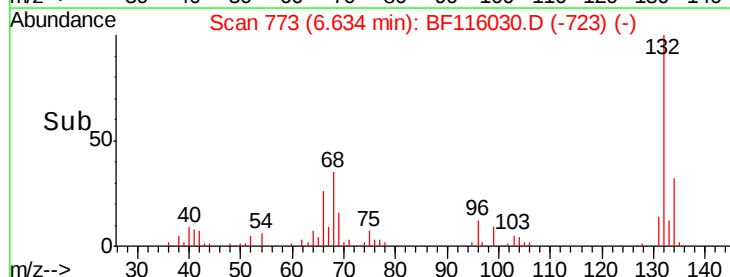
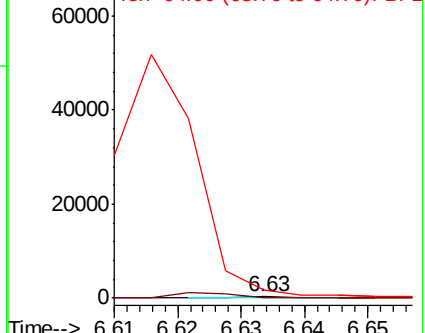
128 100

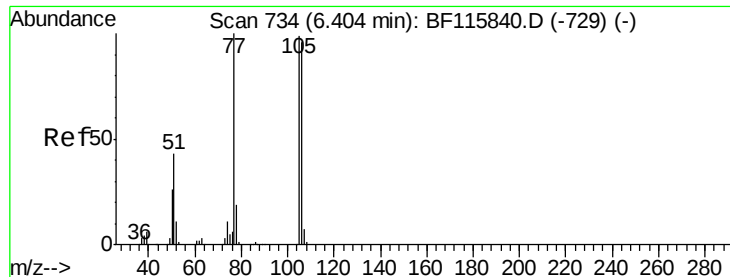
130 0.0 12.9 52.9#

64 478.7 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: BF116030.D

Acq: 6 Aug 2019 22:55

Instrument :

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ClientSampleId :

1S-C1-C4-COMP-(30)

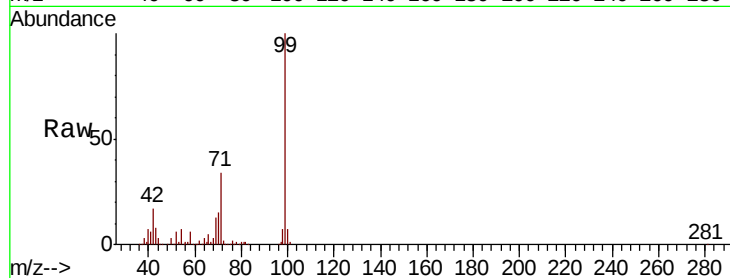
Tot Ion: 77 Resp: 1377

Ion Ratio Lower Upper

77 100

105 0.0 79.0 119.0#

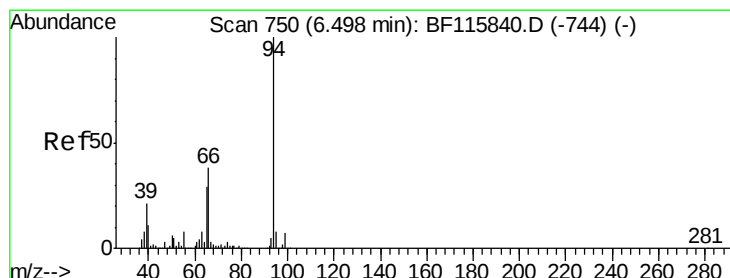
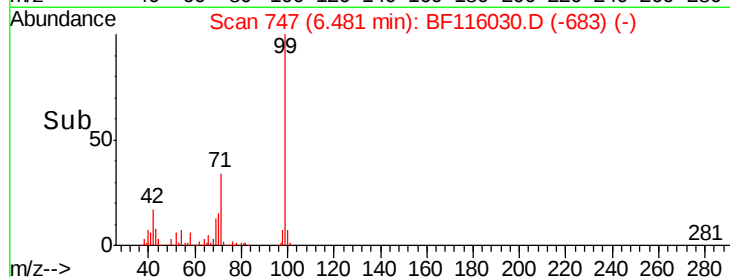
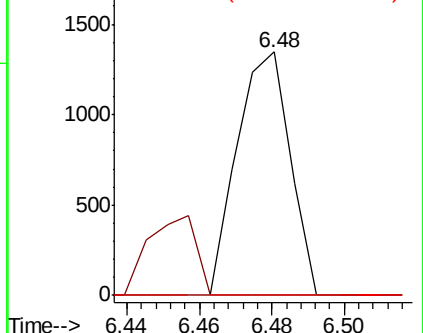
106 0.0 76.2 116.2#



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: 0.197 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.12 min

Lab File: BF116030.D

Acq: 6 Aug 2019 22:55

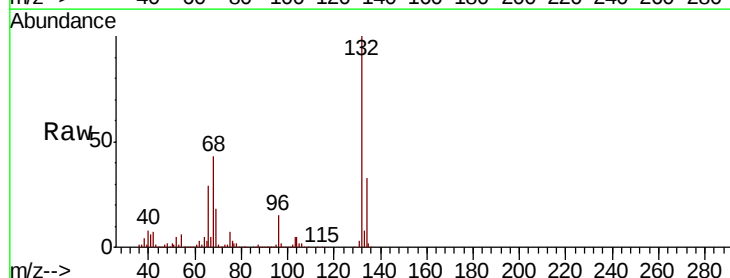
Tgt Ion: 94 Resp: 2114

Ion Ratio Lower Upper

94 100

65 1161.4 8.9 48.9#

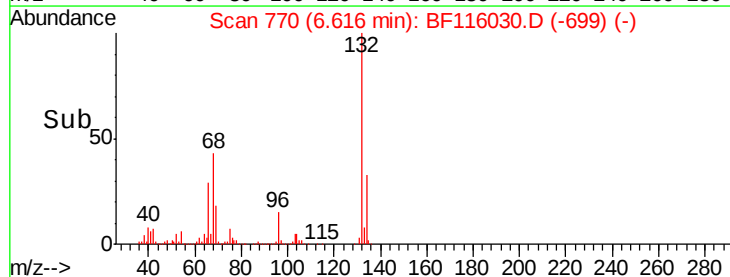
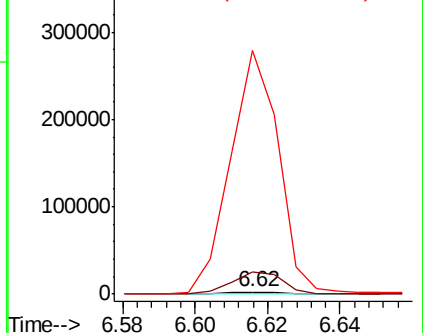
66 12811.8 18.0 58.0#

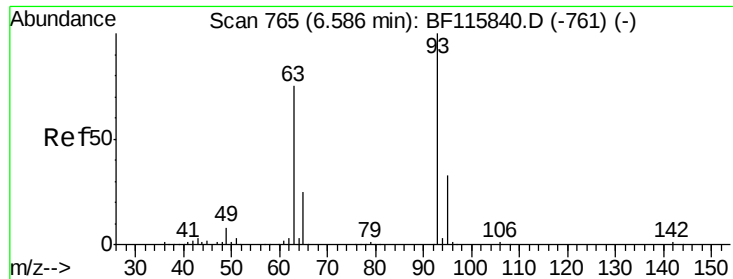


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

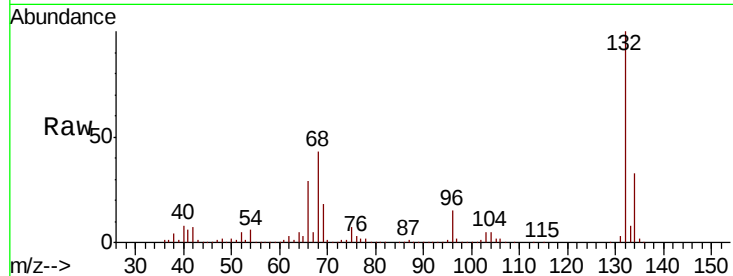




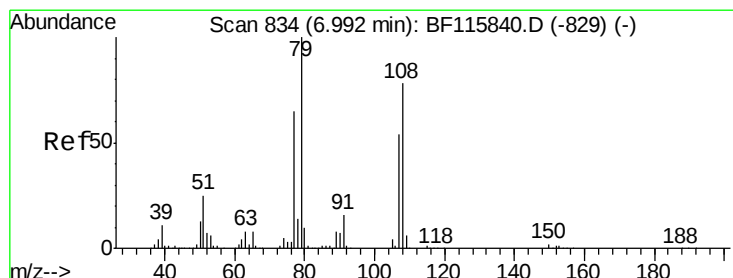
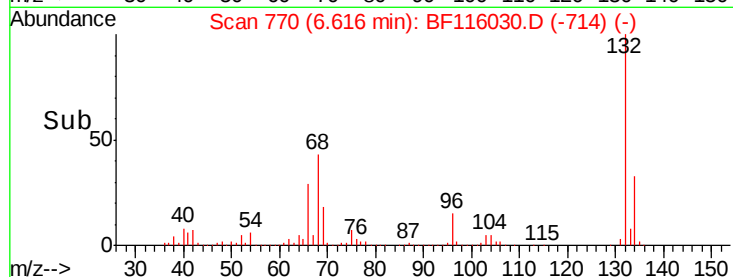
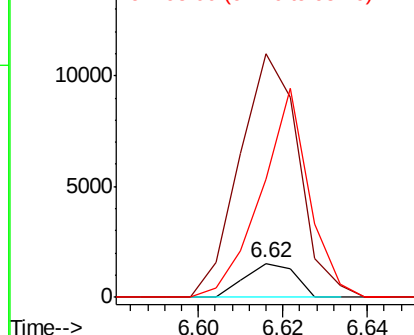
#11
bis(2-Chloroethyl)ether
Concen: 0.160 ng
RT: 6.62 min Scan# 770
Delta R.T. 0.03 min
Lab File: BF116030.D
Acq: 6 Aug 2019 22:55

Instrument :
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1S-C1-C4-COMP-(30)

Tot Ion: 93 Resp: 1260
Ion Ratio Lower Upper
93 100
63 723.1 54.9 94.9#
95 351.3 13.3 53.3#

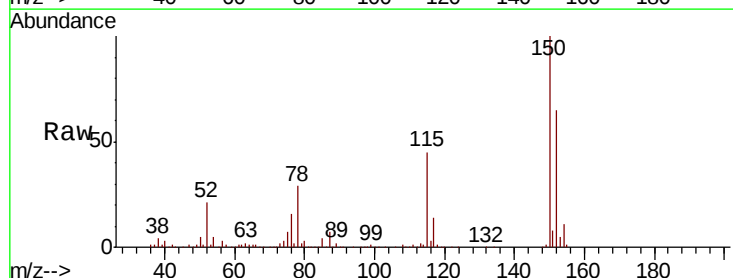


Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1

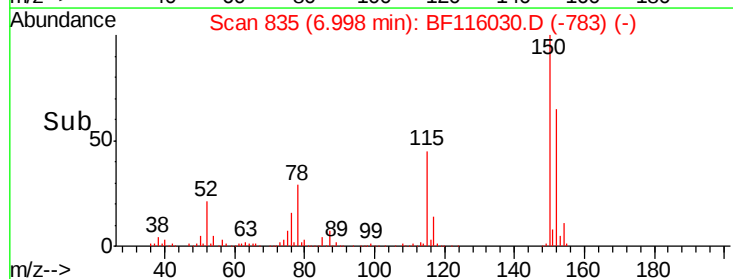
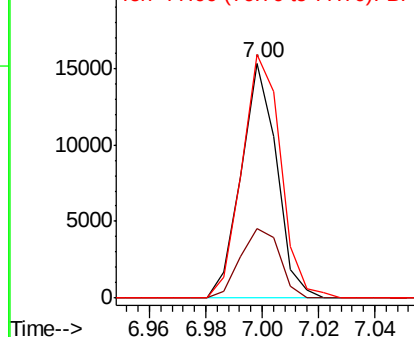


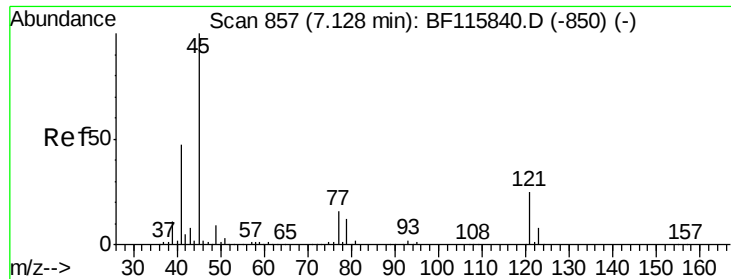
#15
Benzyl Alcohol
Concen: 1.933 ng
RT: 7.00 min Scan# 835
Delta R.T. 0.01 min
Lab File: BF116030.D
Acq: 6 Aug 2019 22:55

Tgt Ion: 79 Resp: 13374
Ion Ratio Lower Upper
79 100
108 29.8 62.8 94.2#
77 103.7 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

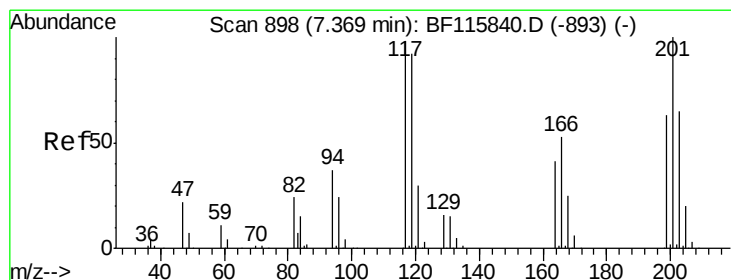
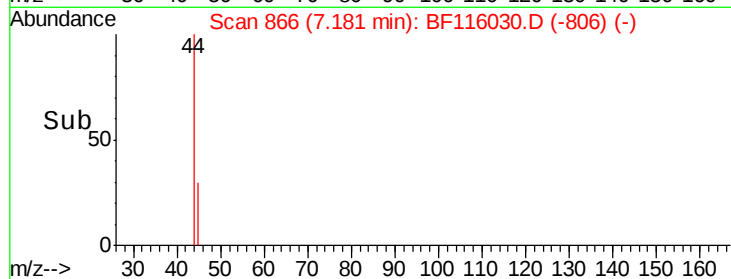
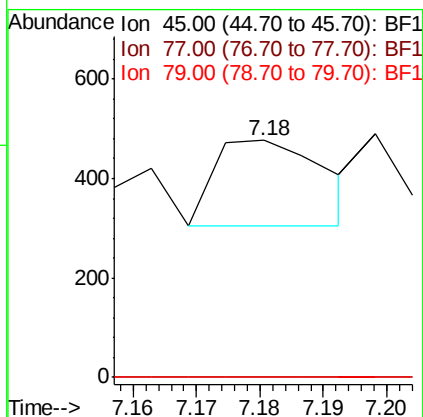
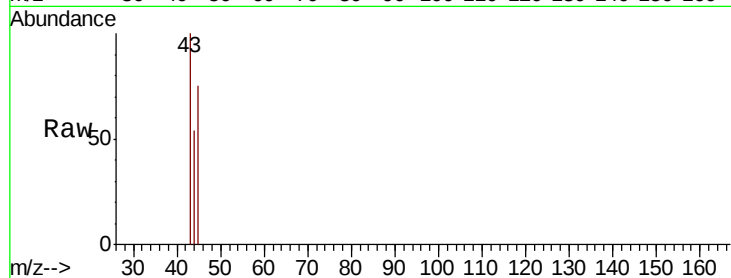




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 0.019 ng
RT: 7.18 min Scan# 866
Delta R.T. 0.05 min
Lab File: BF116030.D
Acq: 6 Aug 2019 22:55

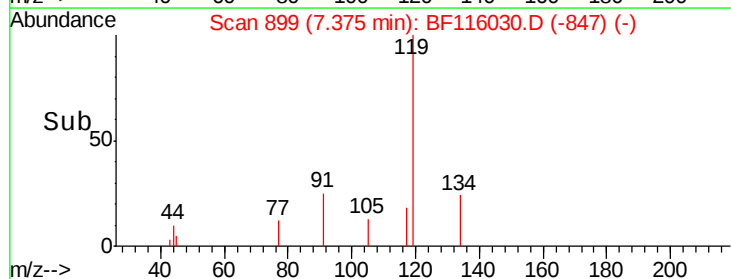
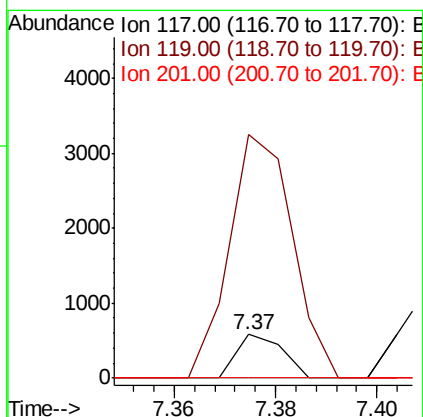
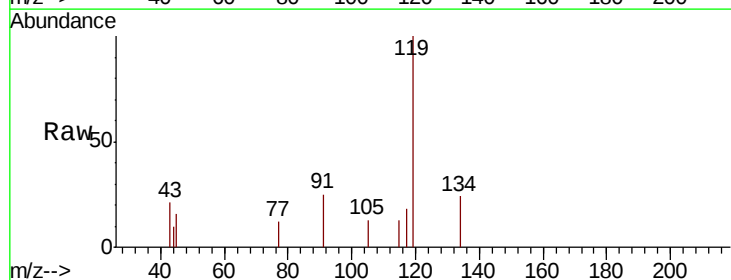
Instrument :
BNA_F
ClientSampleId :
1S-C1-C4-COMP-(30)

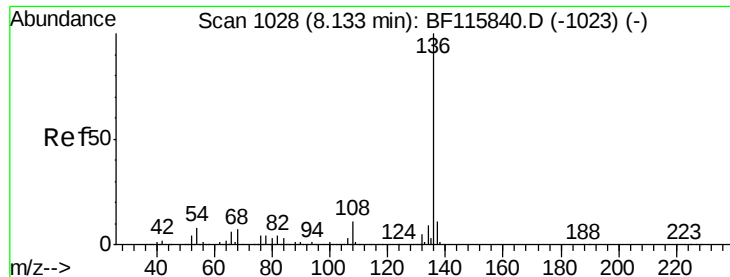
Tot Ion: 45 Resp: 206
Ion Ratio Lower Upper
45 100
77 0.0 0.0 36.3
79 0.0 0.0 32.5



#18
Hexachloroethane
Concen: 0.108 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.01 min
Lab File: BF116030.D
Acq: 6 Aug 2019 22:55

Tgt Ion: 117 Resp: 368
Ion Ratio Lower Upper
117 100
119 555.6 75.8 113.6#
201 0.0 82.0 123.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF116030.D

Acq: 6 Aug 2019 22:55

Instrument :

BNA_F

ClientSampleId :

1S-C1-C4-COMP-(30)

Tot Ion:136 Resp: 467258

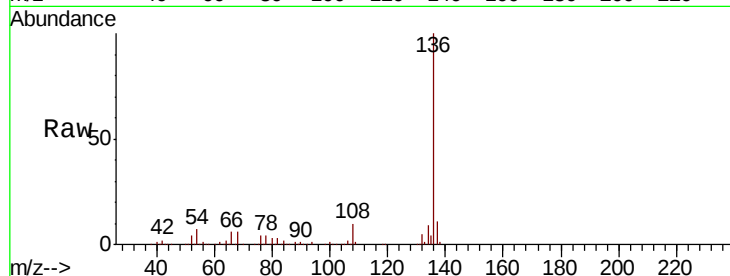
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 7.0 6.1 9.1

68 6.0 5.4 8.2

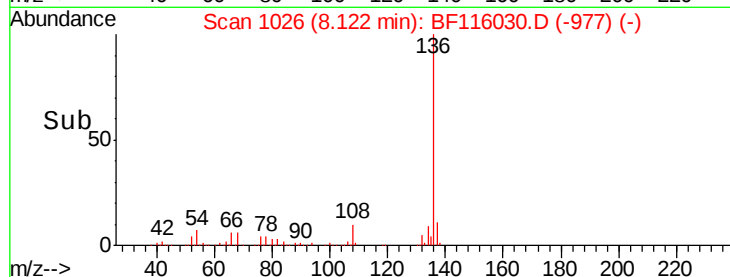


Abundance Ion 136.00 (135.70 to 136.70): E

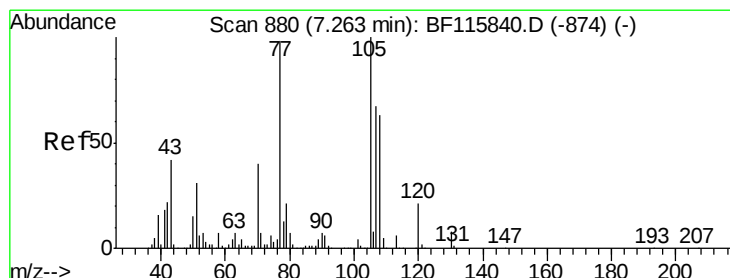
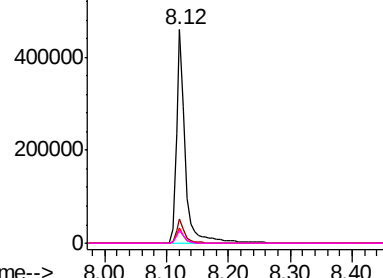
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#22

Acetophenone

Concen: 0.052 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.01 min

Lab File: BF116030.D

Acq: 6 Aug 2019 22:55

Tgt Ion:105 Resp: 537

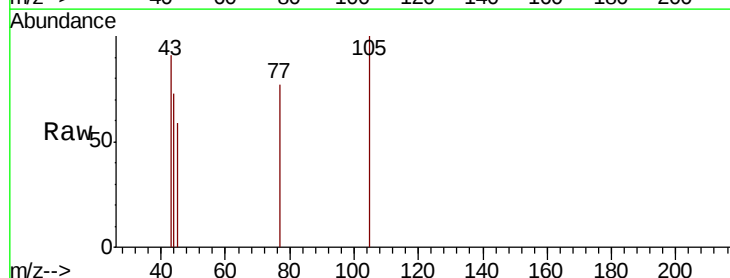
Ion Ratio Lower Upper

105 100

71 0.0 5.4 8.0#

51 0.0 24.6 36.8#

120 0.0 17.0 25.6#

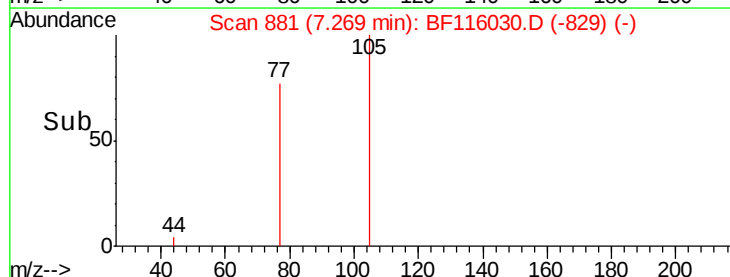


Abundance Ion 105.00 (104.70 to 105.70): E

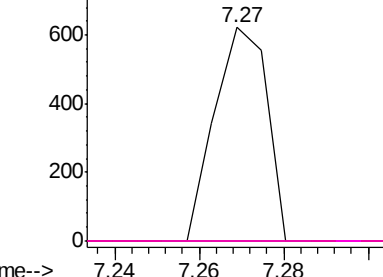
Ion 71.00 (70.70 to 71.70): BF1

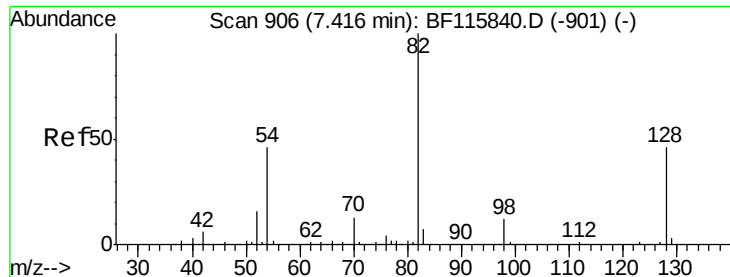
Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



Time-->

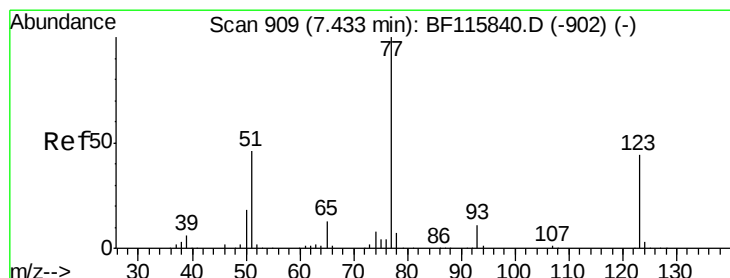
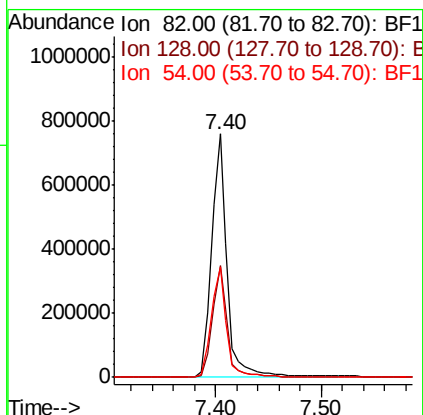
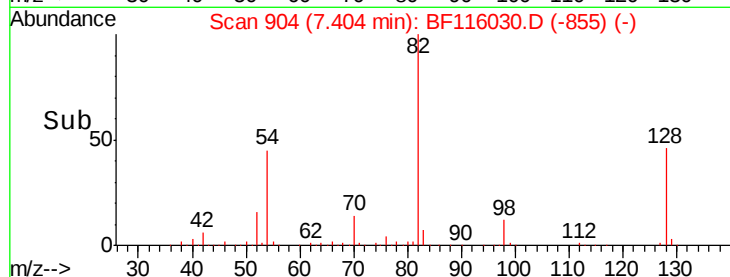
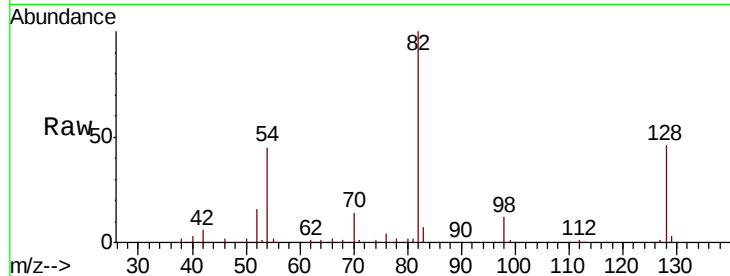




#23
Nitrobenzene-d5
Concen: 97.253 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116030.D
Acq: 6 Aug 2019 22:55

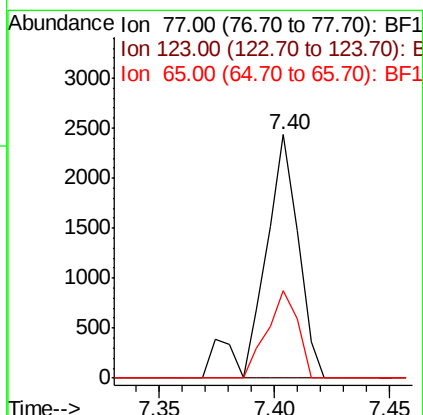
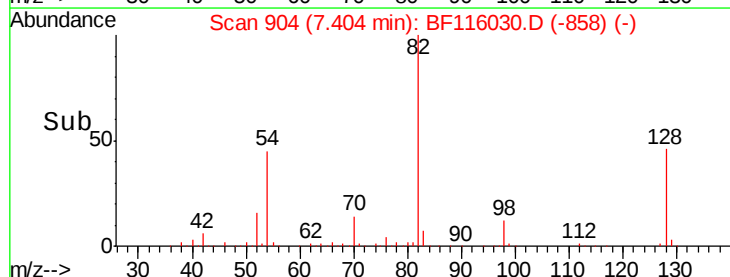
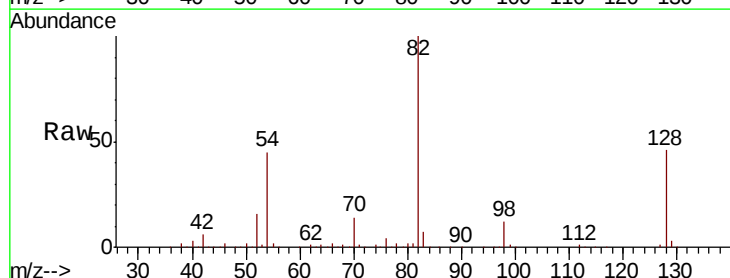
Instrument :
BNA_F
ClientSampleId :
1S-C1-C4-COMP-(30)

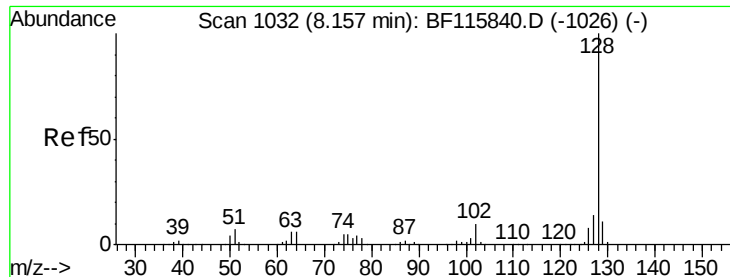
Tot Ion: 82 Resp: 787247
Ion Ratio Lower Upper
82 100
128 45.7 36.6 55.0
54 45.4 36.6 55.0



#24
Nitrobenzene
Concen: 0.291 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.03 min
Lab File: BF116030.D
Acq: 6 Aug 2019 22:55

Tgt Ion: 77 Resp: 2541
Ion Ratio Lower Upper
77 100
123 0.0 35.5 53.3#
65 36.0 10.6 15.8#

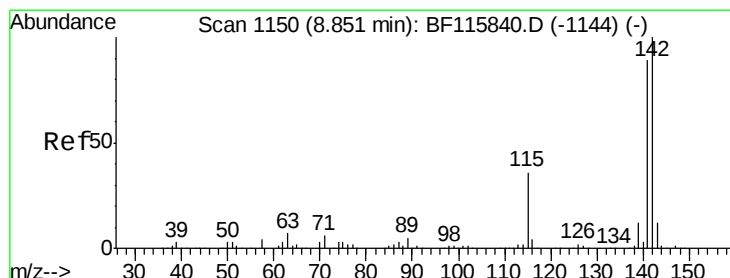
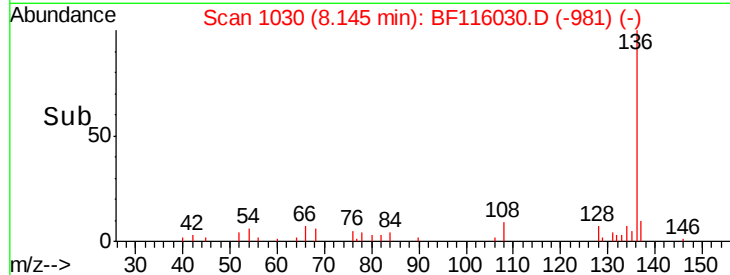
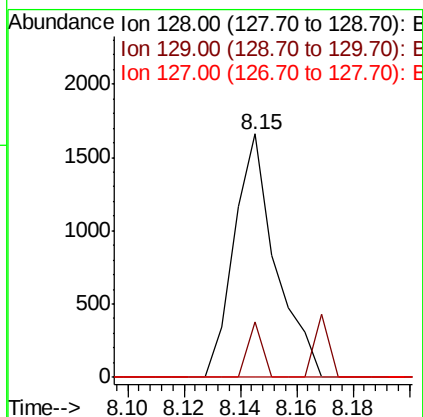
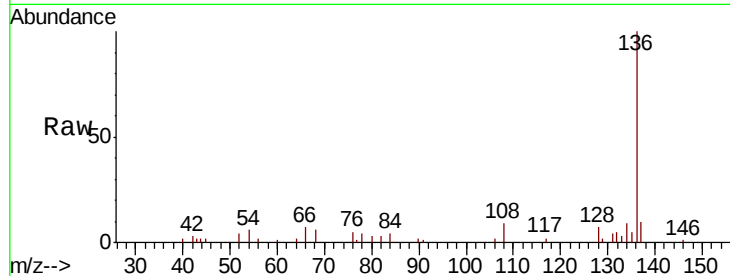




#31
Naphthalene
Concen: 0.077 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF116030.D
Acq: 6 Aug 2019 22:55

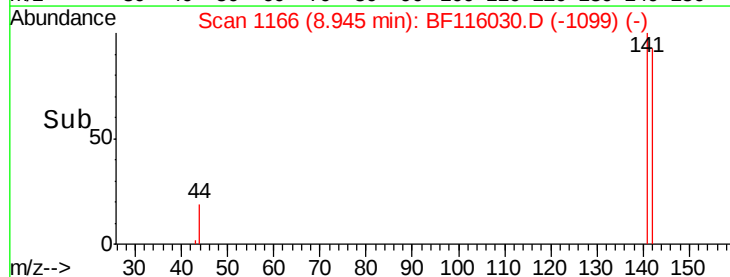
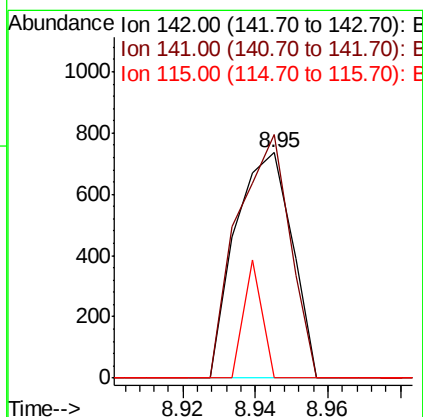
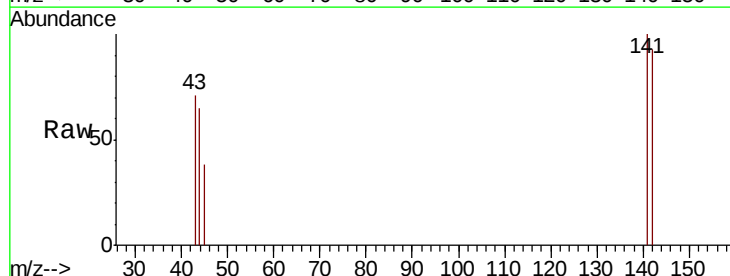
Instrument :
BNA_F
ClientSampleId :
1S-C1-C4-COMP-(30)

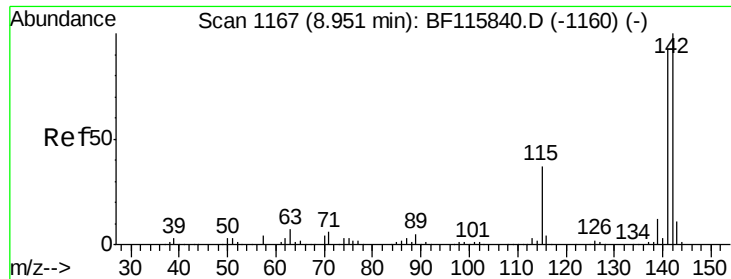
Tot Ion:128 Resp: 1687
Ion Ratio Lower Upper
128 100
129 22.6 9.2 13.8#
127 0.0 11.0 16.4#



#37
2-Methylnaphthalene
Concen: 0.055 ng
RT: 8.95 min Scan# 1166
Delta R.T. 0.09 min
Lab File: BF116030.D
Acq: 6 Aug 2019 22:55

Tgt Ion:142 Resp: 799
Ion Ratio Lower Upper
142 100
141 108.0 71.4 107.2#
115 0.0 28.9 43.3#

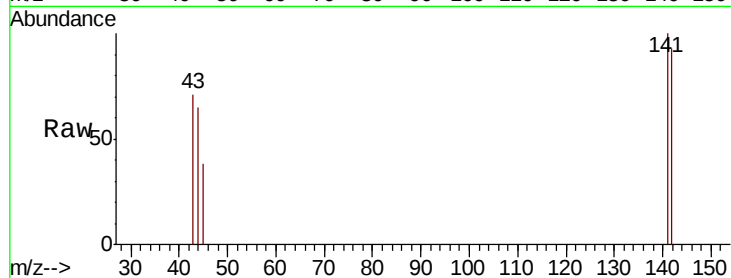




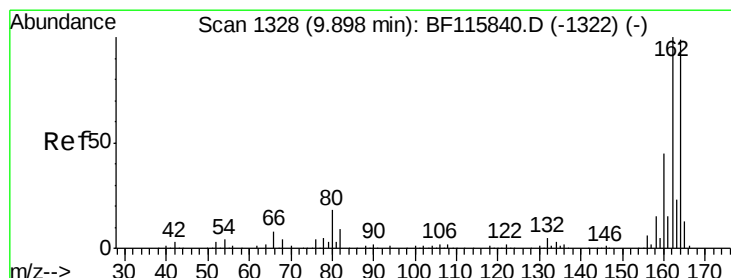
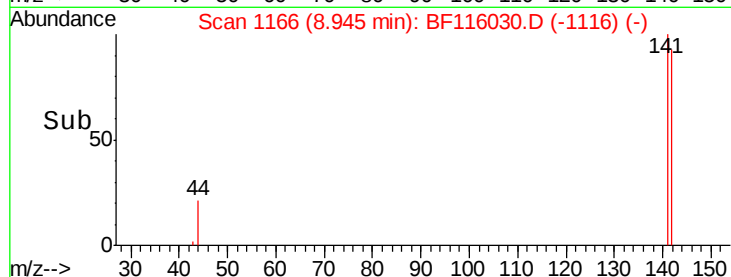
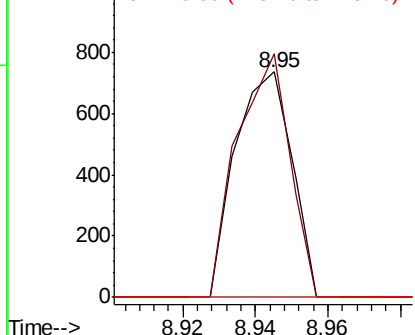
#38
1-Methylnaphthalene
Concen: 0.058 ng
RT: 8.95 min Scan# 1166
Delta R.T. -0.01 min
Lab File: BF116030.D
Acq: 6 Aug 2019 22:55

Instrument :
BNA_F
ClientSampleId :
1S-C1-C4-COMP-(30)

Tot Ion:142 Resp: 799
Ion Ratio Lower Upper
142 100
141 108.0 73.8 110.6
116 0.0 3.1 4.7#

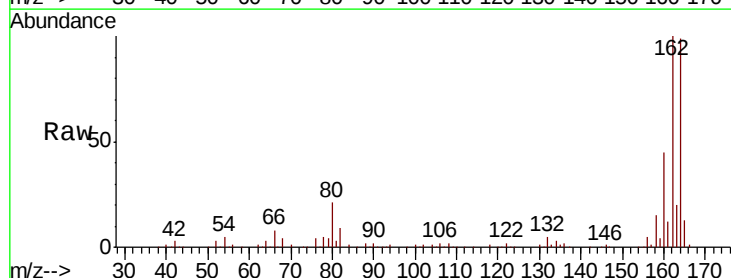


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

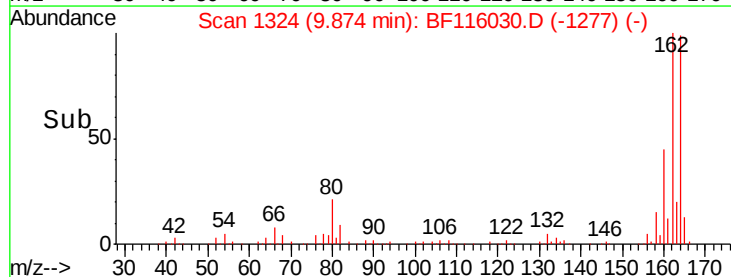
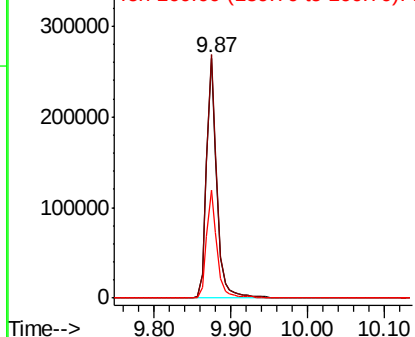


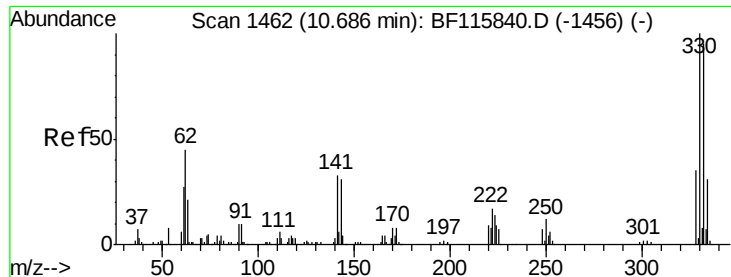
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.02 min
Lab File: BF116030.D
Acq: 6 Aug 2019 22:55

Tgt Ion:164 Resp: 247855
Ion Ratio Lower Upper
164 100
162 101.4 80.8 121.2
160 45.1 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

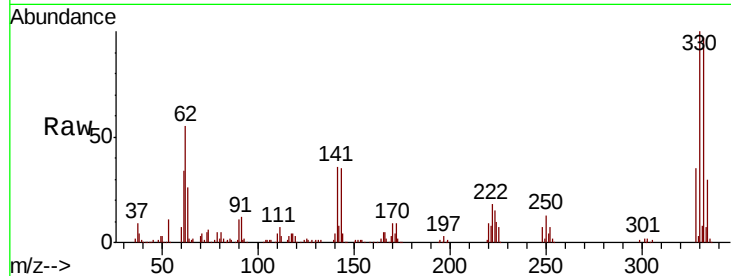




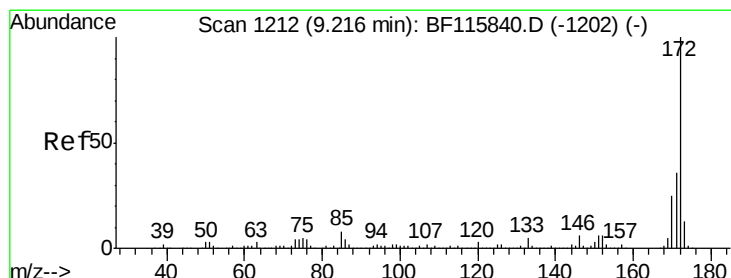
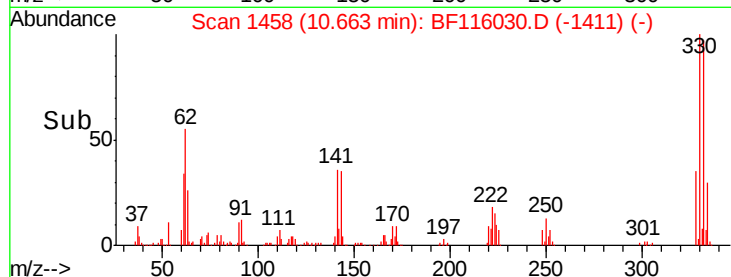
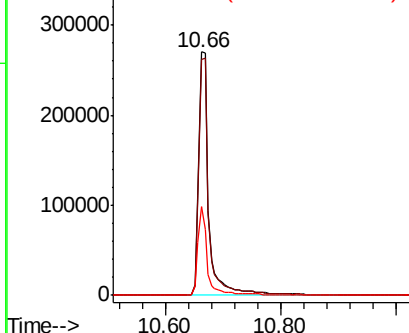
#42
 2,4,6-Tribromophenol
 Concen: 139.521 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.02 min
 Lab File: BF116030.D
 Acq: 6 Aug 2019 22:55

Instrument :
 BNA_F
 ClientSampleId :
 1S-C1-C4-COMP-(30)

Tot Ion:330 Resp: 335271
 Ion Ratio Lower Upper
 330 100
 332 95.6 77.7 116.5
 141 34.3 28.1 42.1

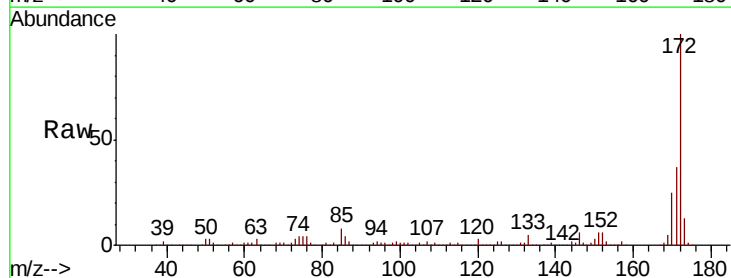


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

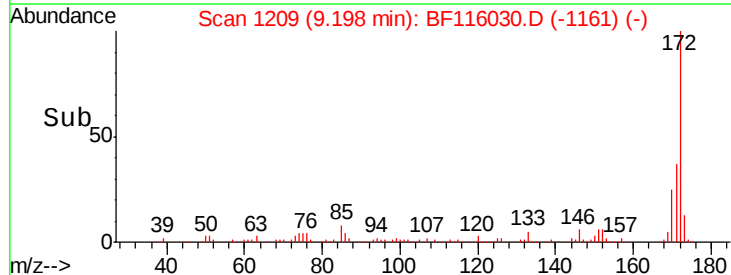
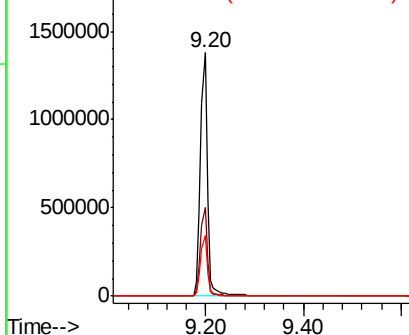


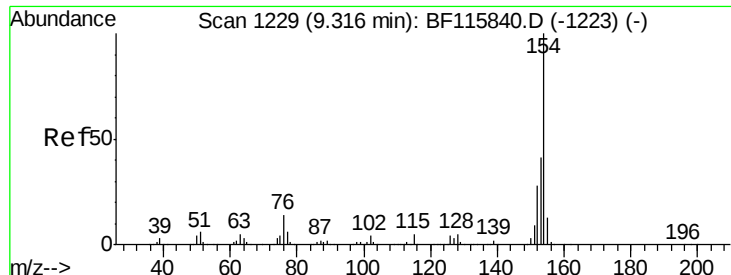
#45
 2-Fluorobiphenyl
 Concen: 104.409 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.02 min
 Lab File: BF116030.D
 Acq: 6 Aug 2019 22:55

Tgt Ion:172 Resp: 1381592
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.1 43.7
 170 25.0 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

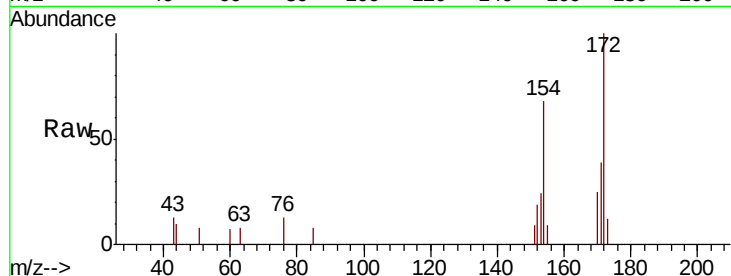




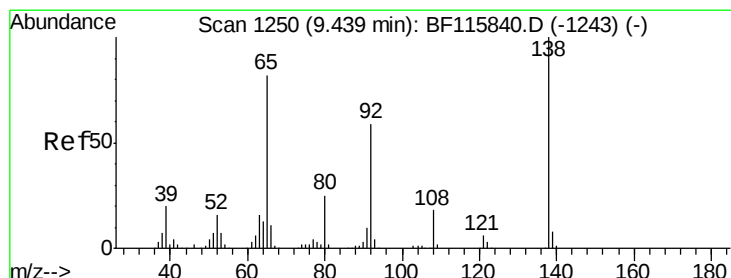
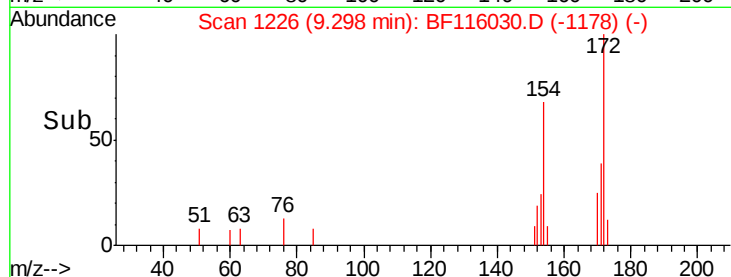
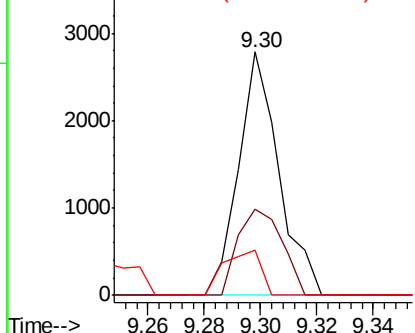
#46
 1,1'-Biphenyl
 Concen: 0.158 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.02 min
 Lab File: BF116030.D
 Acq: 6 Aug 2019 22:55

Instrument :
 BNA_F
 ClientSampleId :
 1S-C1-C4-COMP-(30)

Tot Ion:	154	Resp:	2757
Ion	Ratio	Lower	Upper
154	100		
153	35.1	20.9	60.9
76	18.5	0.0	34.3

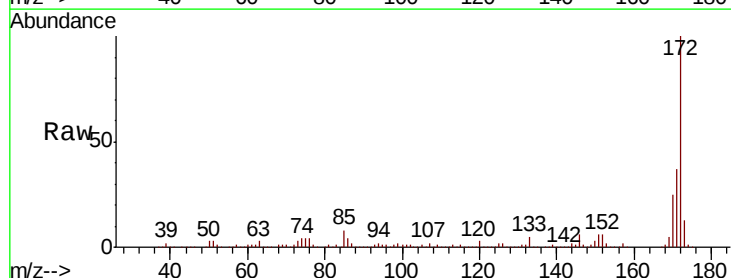


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

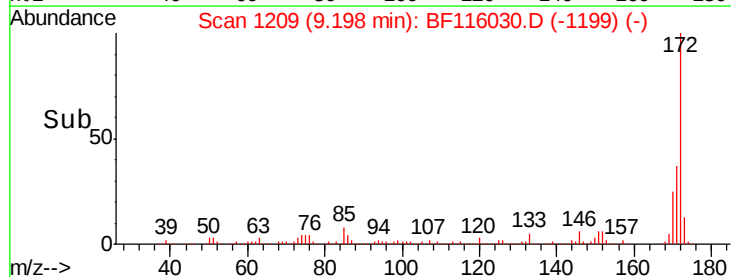
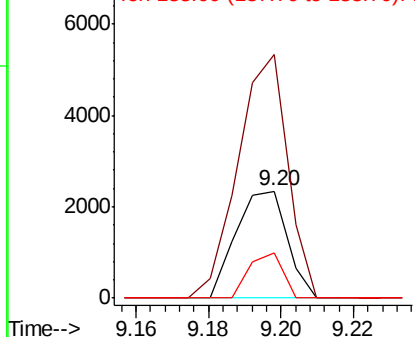


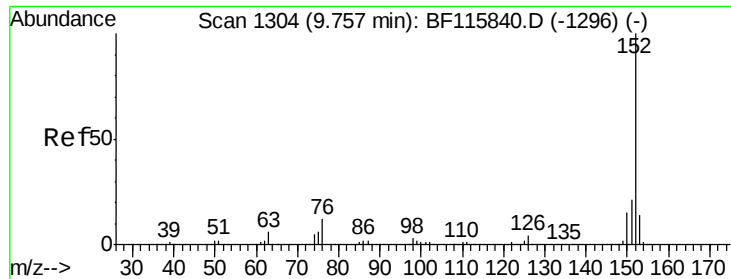
#48
 2-Nitroaniline
 Concen: 0.477 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.24 min
 Lab File: BF116030.D
 Acq: 6 Aug 2019 22:55

Tgt Ion:	65	Resp:	2295
Ion	Ratio	Lower	Upper
65	100		
92	227.9	57.1	85.7#
138	42.6	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: 0.012 ng

RT: 9.91 min Scan# 1330

Delta R.T. 0.15 min

Lab File: BF116030.D

Acq: 6 Aug 2019 22:55

Instrument :

BNA_F

ClientSampleId :

1S-C1-C4-COMP-(30)

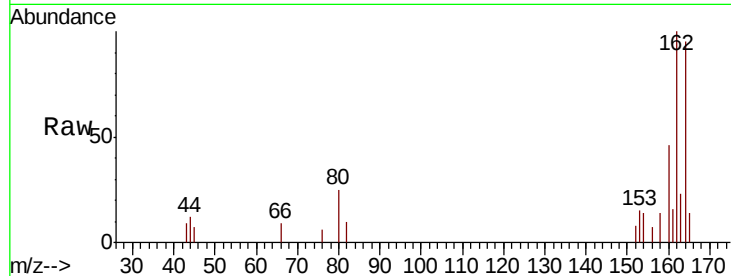
Tot Ion:152 Resp: 251

Ion Ratio Lower Upper

152 100

151 0.0 16.8 25.2#

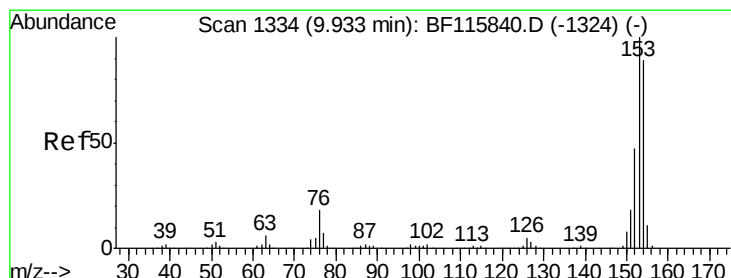
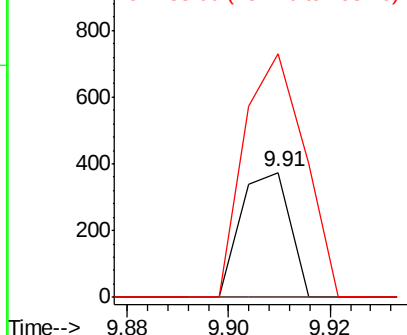
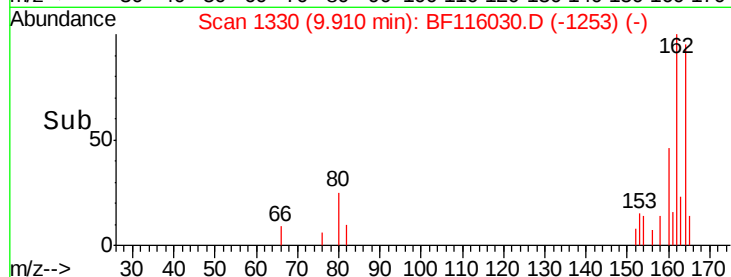
153 195.4 11.6 17.4#



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: 0.048 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.03 min

Lab File: BF116030.D

Acq: 6 Aug 2019 22:55

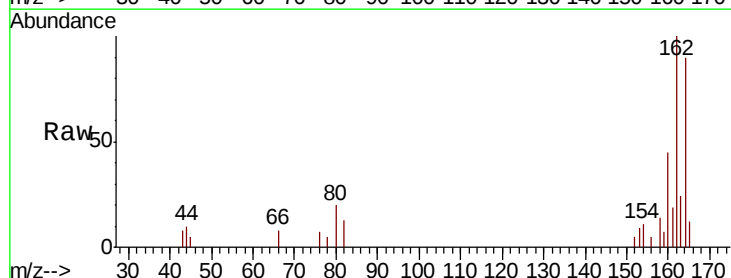
Tgt Ion:154 Resp: 621

Ion Ratio Lower Upper

154 100

153 80.3 90.1 135.1#

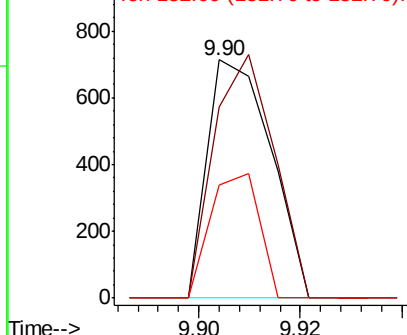
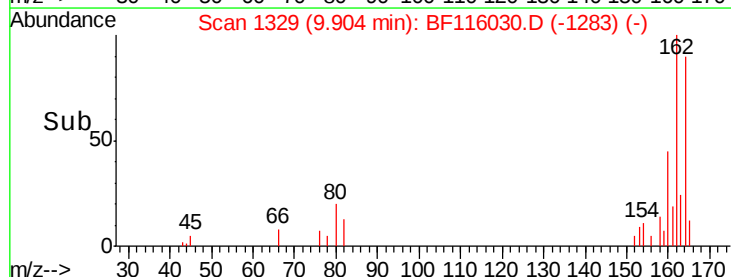
152 47.3 42.6 63.8

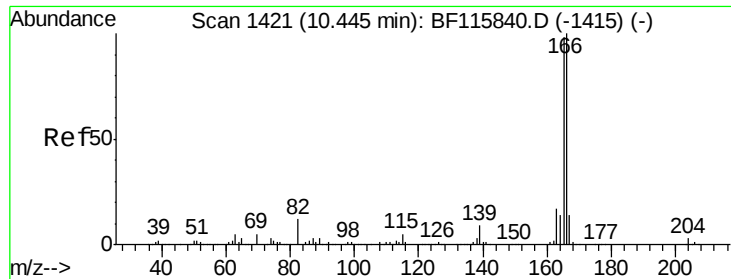


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#58

Fluorene

Concen: 0.039 ng

RT: 10.43 min Scan# 1419

Delta R.T. -0.01 min

Lab File: BF116030.D

Acq: 6 Aug 2019 22:55

Instrument :

BNA_F

ClientSampleId :

1S-C1-C4-COMP-(30)

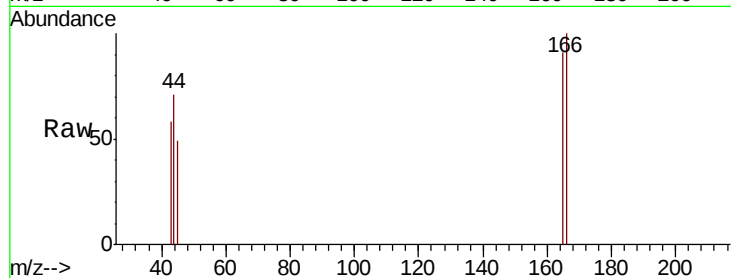
Tot Ion:166 Resp: 570

Ion Ratio Lower Upper

166 100

165 91.5 78.6 118.0

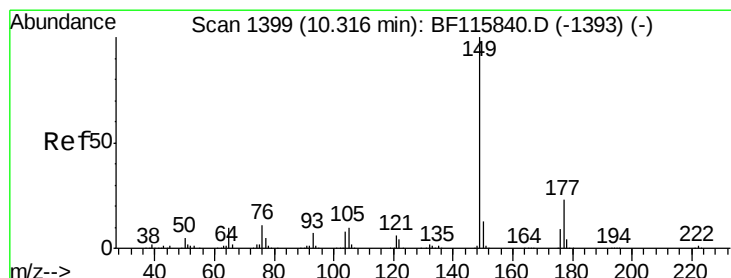
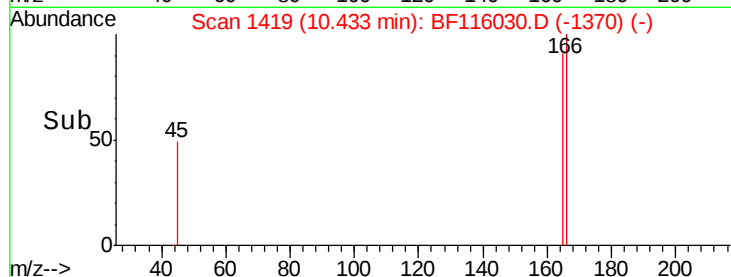
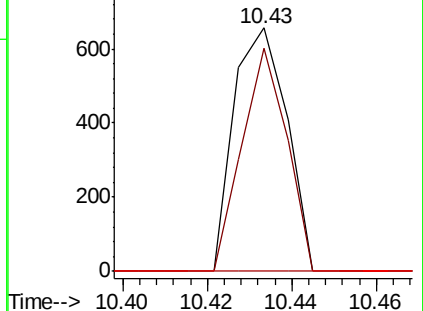
167 0.0 10.9 16.3#



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: 0.037 ng

RT: 10.29 min Scan# 1395

Delta R.T. -0.02 min

Lab File: BF116030.D

Acq: 6 Aug 2019 22:55

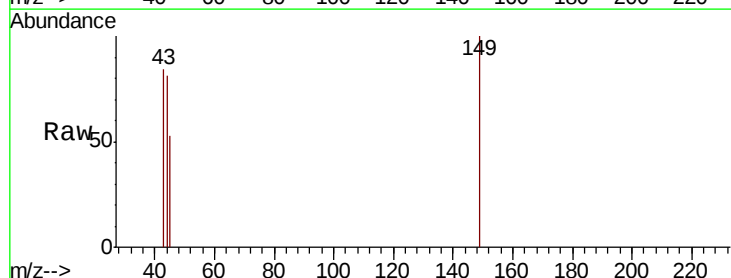
Tgt Ion:149 Resp: 588

Ion Ratio Lower Upper

149 100

177 0.0 18.4 27.6#

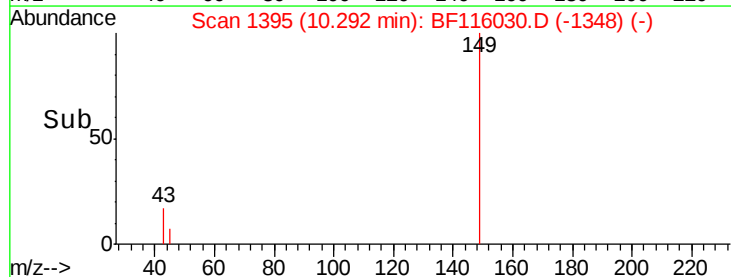
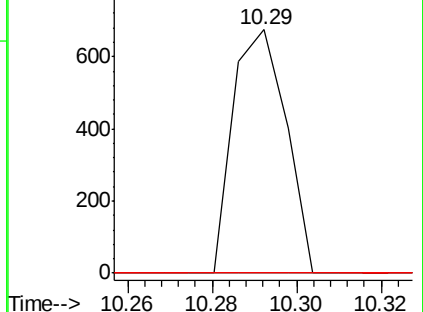
150 0.0 10.1 15.1#

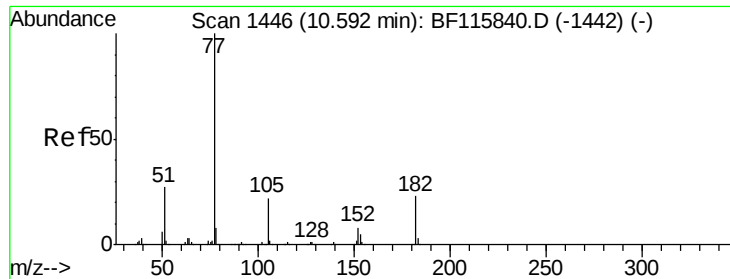


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

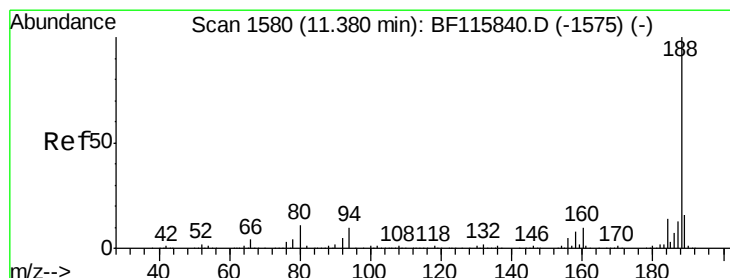
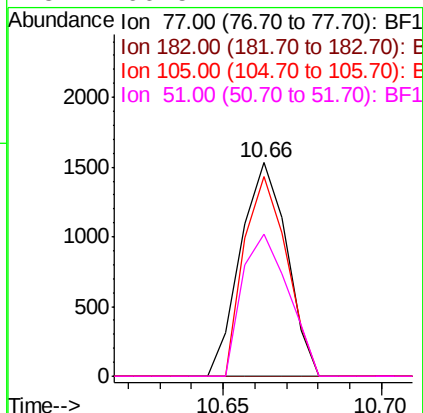
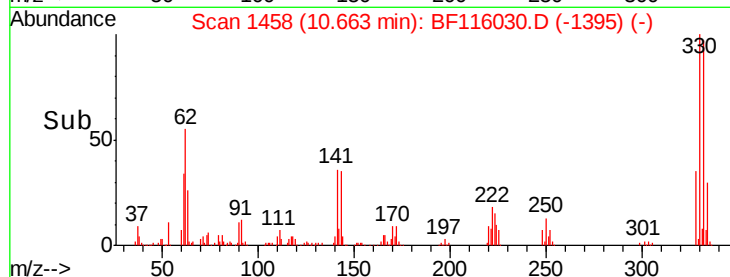
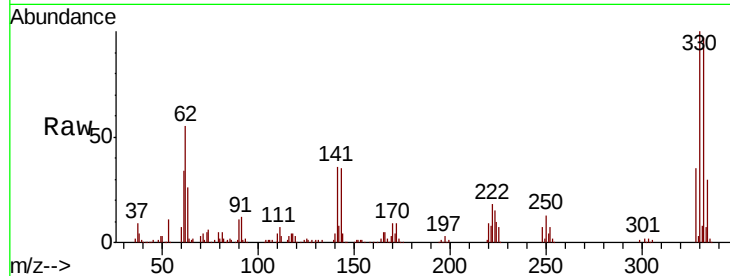




#63
Azobenzene
Concen: 0.096 ng
RT: 10.66 min Scan# 1458
Delta R.T. 0.07 min
Lab File: BF116030.D
Acq: 6 Aug 2019 22:55

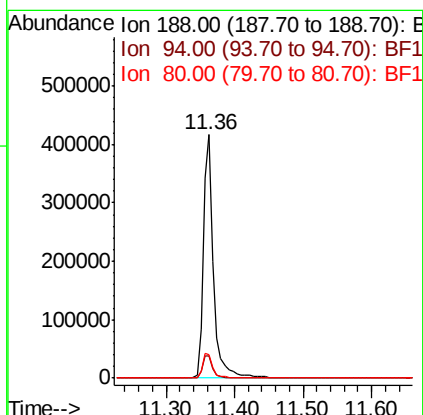
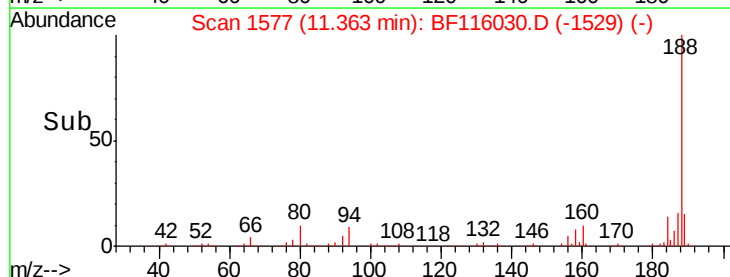
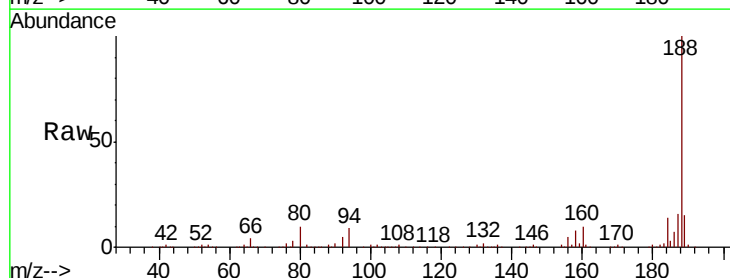
Instrument :
BNA_F
ClientSampleId :
1S-C1-C4-COMP-(30)

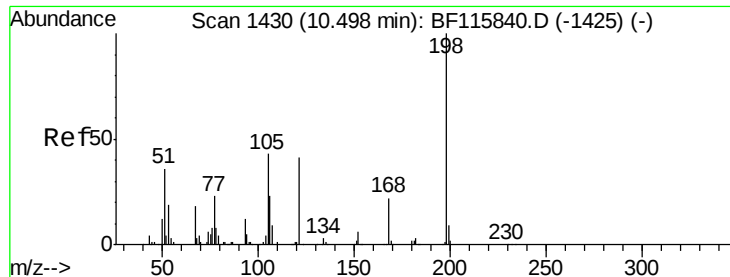
Tot Ion: 77 Resp: 1555
Ion Ratio Lower Upper
77 100
182 0.0 2.6 42.6#
105 93.3 1.6 41.6#
51 66.5 7.4 47.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.02 min
Lab File: BF116030.D
Acq: 6 Aug 2019 22:55

Tgt Ion: 188 Resp: 438320
Ion Ratio Lower Upper
188 100
94 9.0 8.0 12.0
80 9.7 8.6 12.8

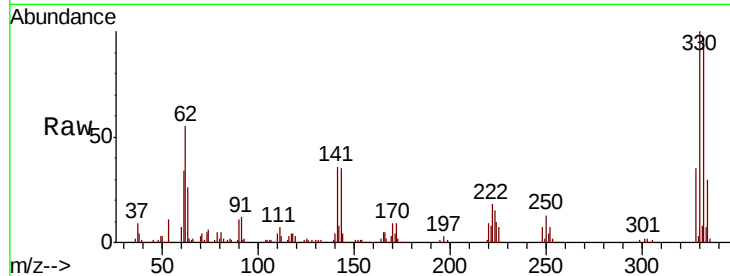




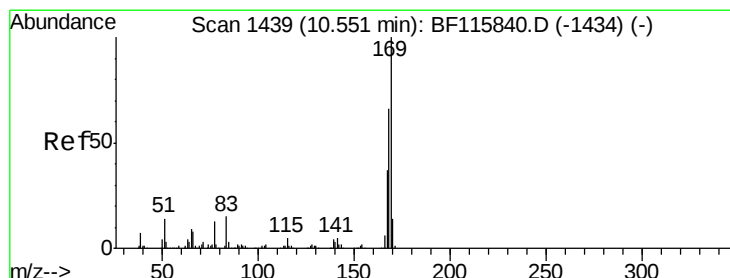
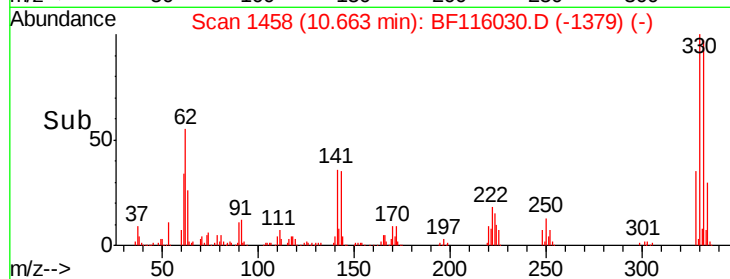
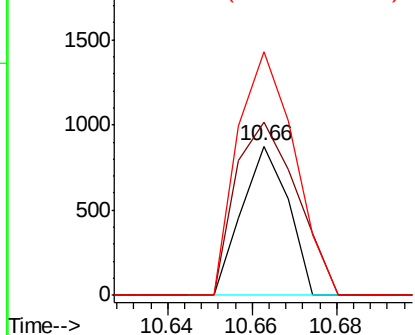
#65
4,6-Dinitro-2-methylphenol
Concen: 0.288 ng
RT: 10.66 min Scan# 1458
Delta R.T. 0.16 min
Lab File: BF116030.D
Acq: 6 Aug 2019 22:55

Instrument :
BNA_F
ClientSampleId :
1S-C1-C4-COMP-(30)

Tot Ion:198 Resp: 669
Ion Ratio Lower Upper
198 100
51 116.6 21.1 61.1#
105 163.5 24.5 64.5#

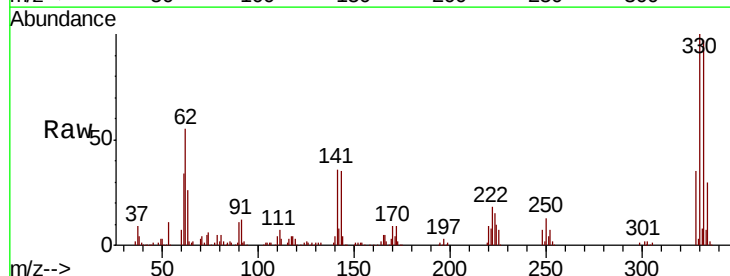


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

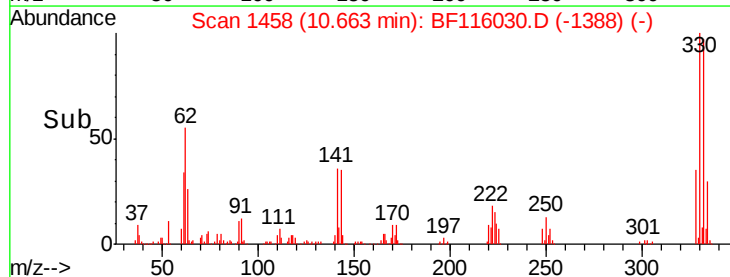
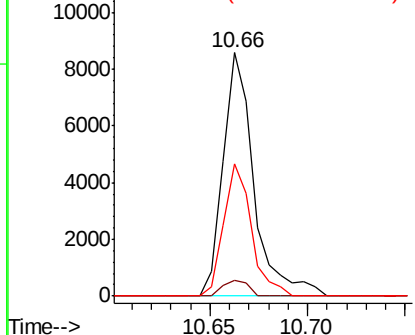


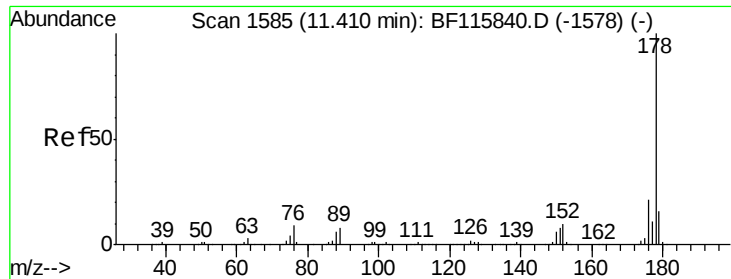
#66
n-Nitrosodiphenylamine
Concen: 0.712 ng
RT: 10.66 min Scan# 1458
Delta R.T. 0.11 min
Lab File: BF116030.D
Acq: 6 Aug 2019 22:55

Tgt Ion:169 Resp: 9394
Ion Ratio Lower Upper
169 100
168 6.5 53.0 79.6#
167 54.3 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

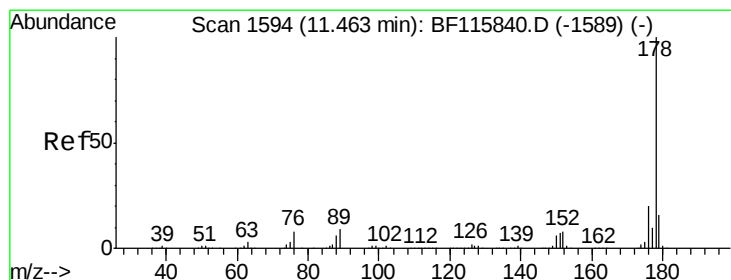
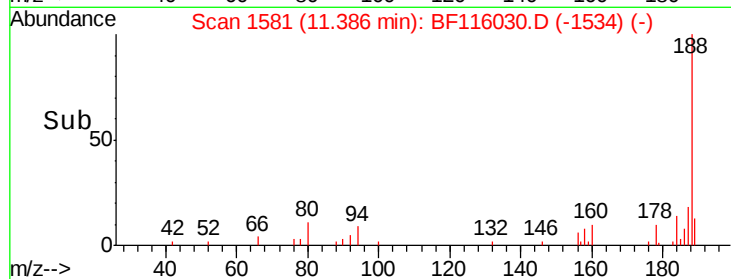
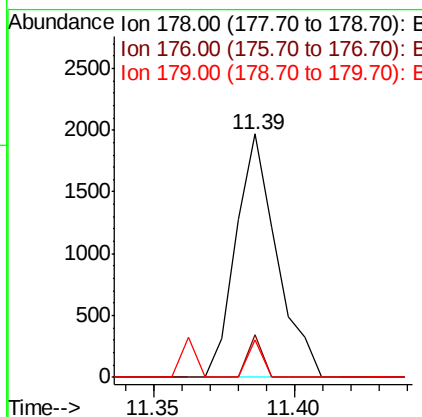
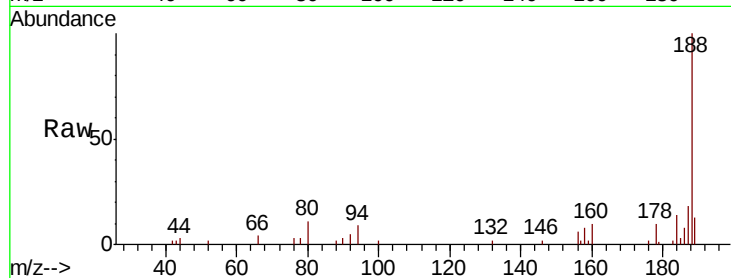




#71
Phenanthrene
Concen: 0.088 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.02 min
Lab File: BF116030.D
Acq: 6 Aug 2019 22:55

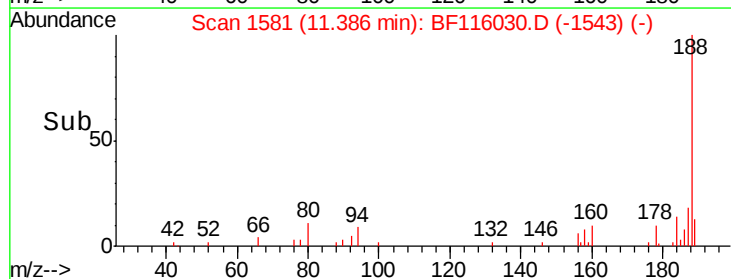
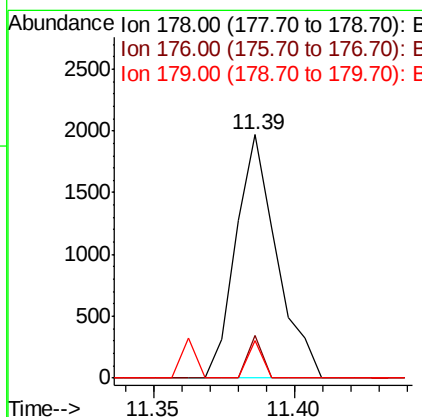
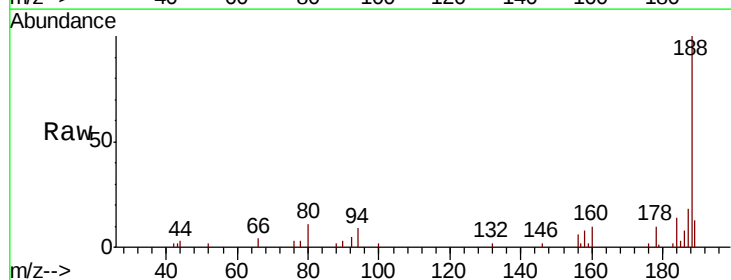
Instrument :
BNA_F
ClientSampleId :
1S-C1-C4-COMP-(30)

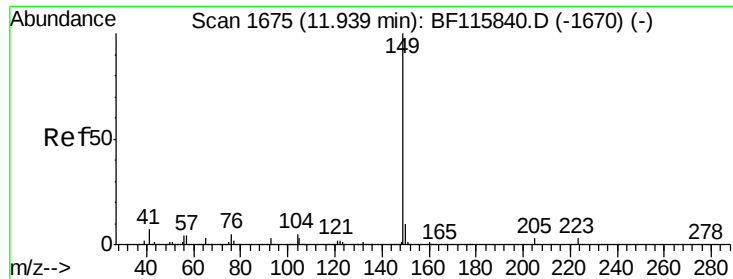
Tot Ion:178 Resp: 1974
Ion Ratio Lower Upper
178 100
176 17.4 16.5 24.7
179 15.4 12.6 18.8



#72
Anthracene
Concen: 0.087 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.08 min
Lab File: BF116030.D
Acq: 6 Aug 2019 22:55

Tgt Ion:178 Resp: 1974
Ion Ratio Lower Upper
178 100
176 17.4 15.7 23.5
179 15.4 12.4 18.6





#74

Di-n-butylphthalate

Concen: 0.076 ng

RT: 11.92 min Scan# 1672

Delta R.T. -0.02 min

Lab File: BF116030.D

Acq: 6 Aug 2019 22:55

Instrument :

BNA_F

ClientSampleId :

1S-C1-C4-COMP-(30)

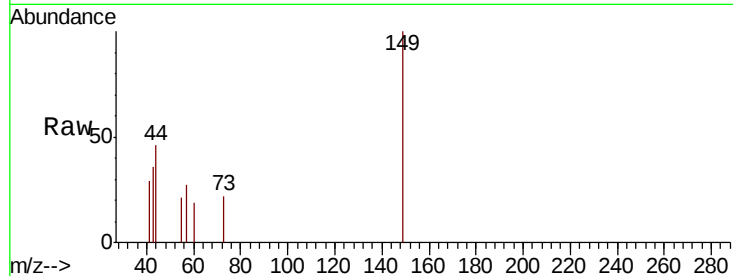
Tot Ion:149 Resp: 1820

Ion Ratio Lower Upper

149 100

150 0.0 7.7 11.5#

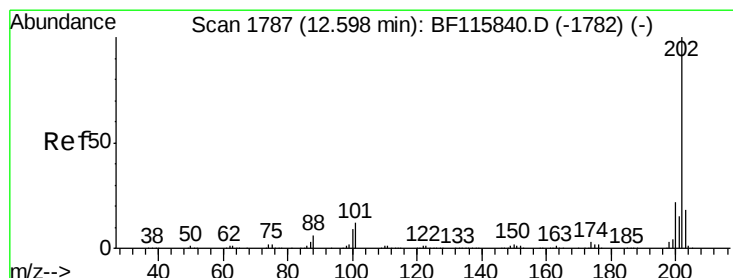
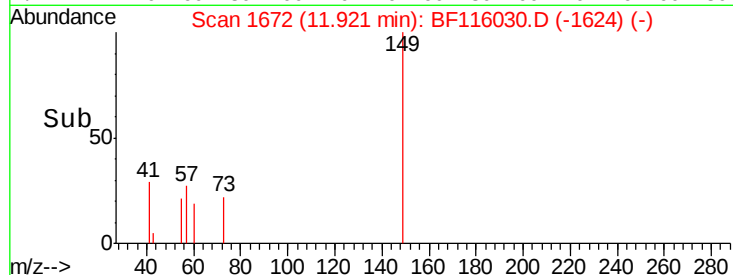
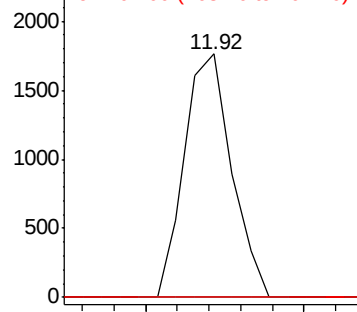
104 0.0 4.3 6.5#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Fluoranthene

Concen: 0.018 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BF116030.D

Acq: 6 Aug 2019 22:55

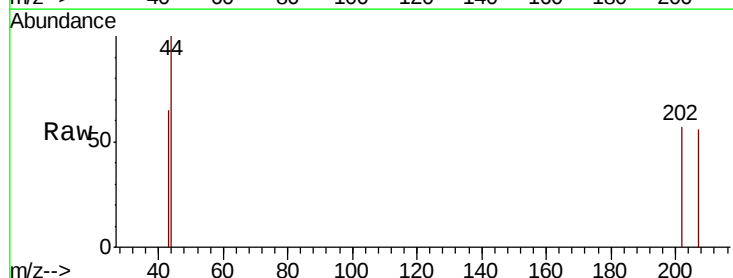
Tgt Ion:202 Resp: 426

Ion Ratio Lower Upper

202 100

101 0.0 0.0 31.5

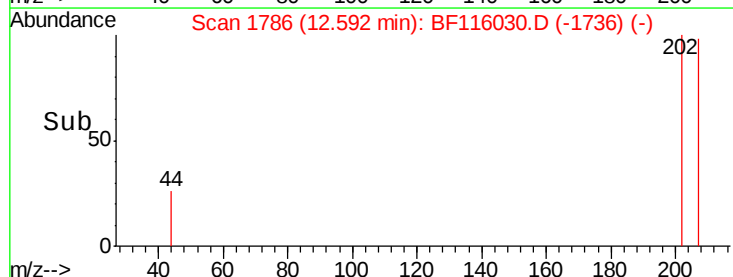
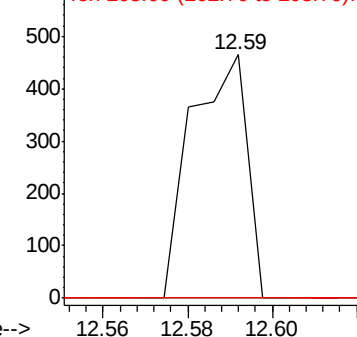
203 0.0 0.0 37.9

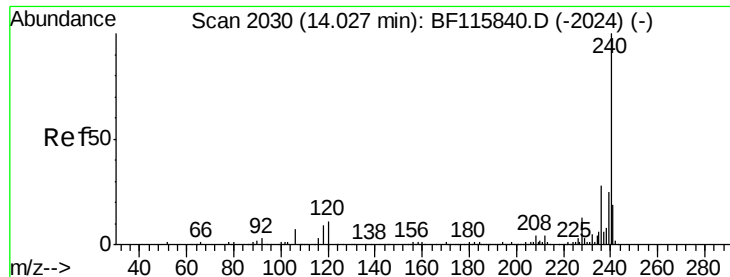


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

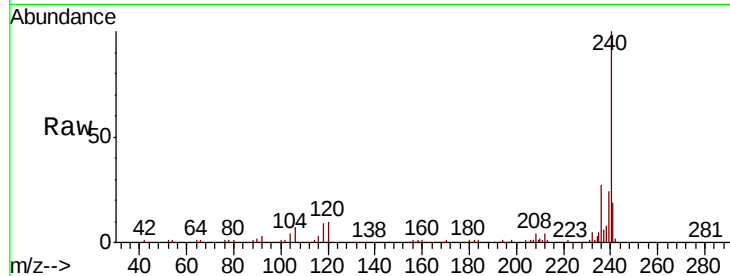




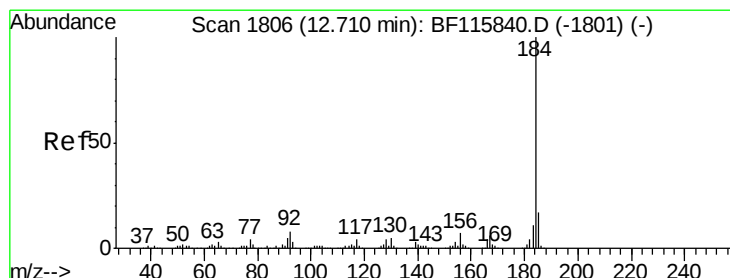
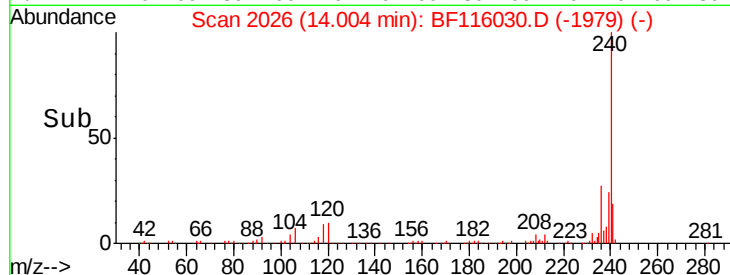
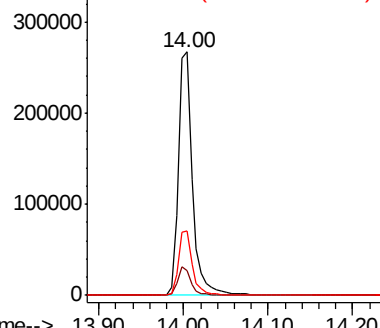
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.02 min
 Lab File: BF116030.D
 Acq: 6 Aug 2019 22:55

Instrument :
 BNA_F
 ClientSampleId :
 1S-C1-C4-COMP-(30)

Tot Ion:240 Resp: 309347
 Ion Ratio Lower Upper
 240 100
 120 10.2 8.5 12.7
 236 26.7 22.2 33.2

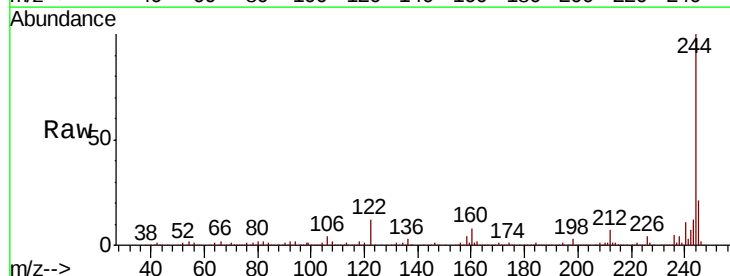


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

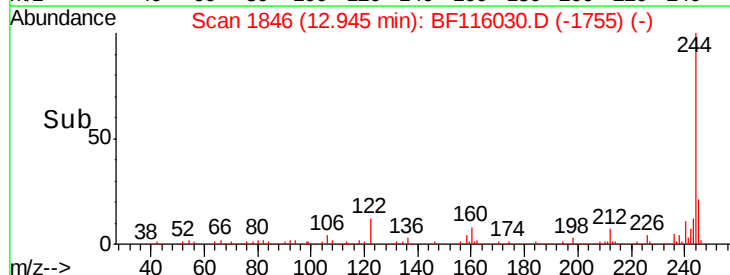
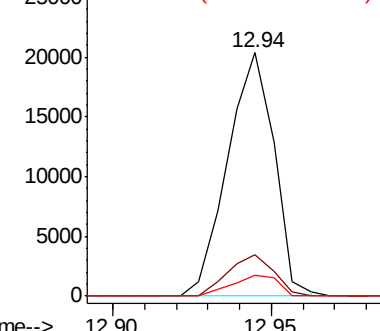


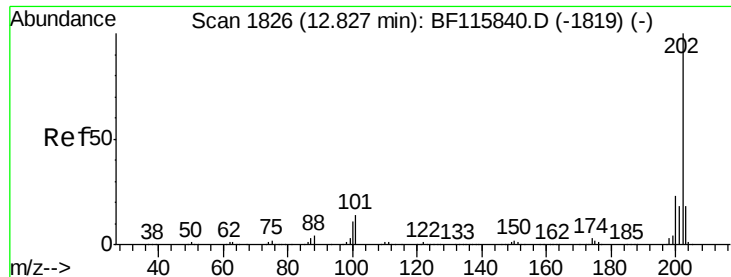
#77
 Benzidine
 Concen: 1.989 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. 0.24 min
 Lab File: BF116030.D
 Acq: 6 Aug 2019 22:55

Tgt Ion:184 Resp: 20784
 Ion Ratio Lower Upper
 184 100
 185 17.3 13.4 20.2
 183 8.8 9.1 13.7#



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 185.00 (184.70 to 185.70): E
 Ion 183.00 (182.70 to 183.70): E

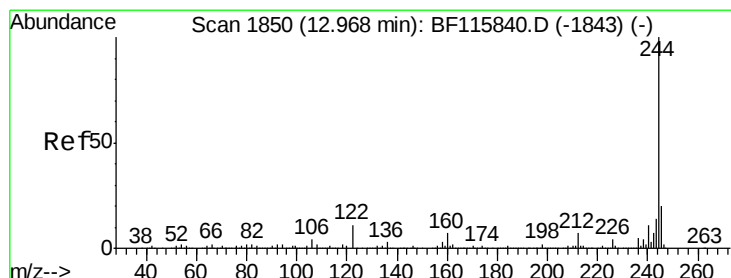
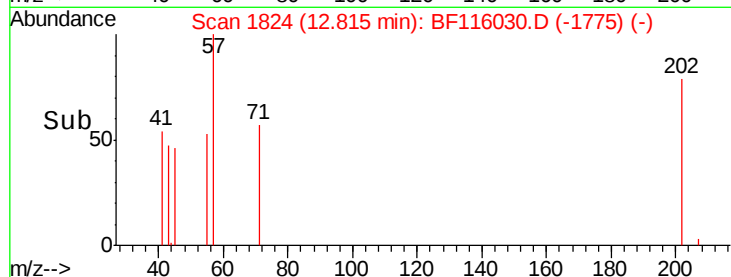
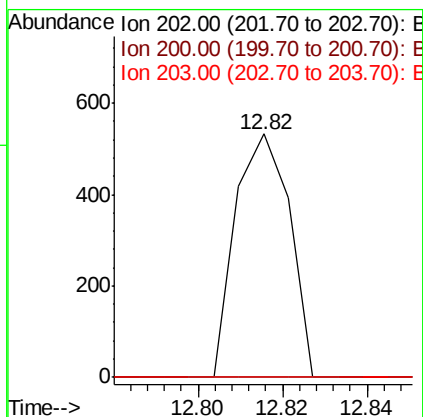
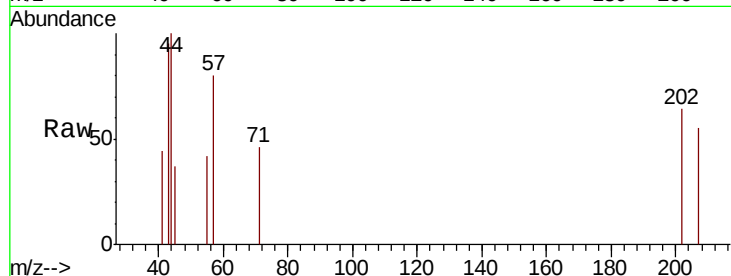




#78
Pvrene
Concen: 0.020 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF116030.D
Acq: 6 Aug 2019 22:55

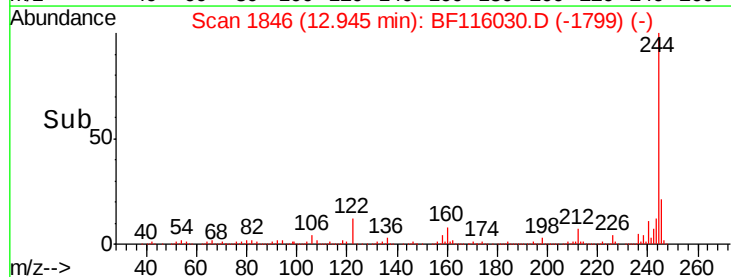
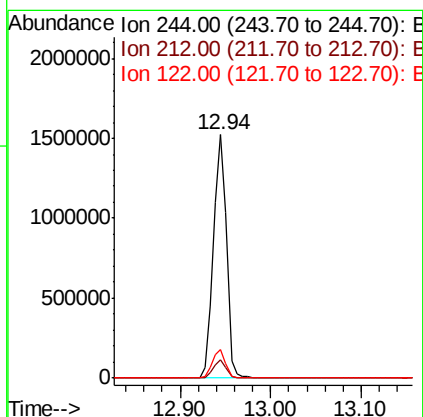
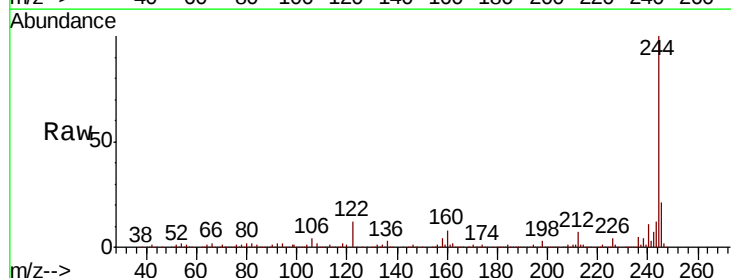
Instrument :
BNA_F
ClientSampleId :
1S-C1-C4-COMP-(30)

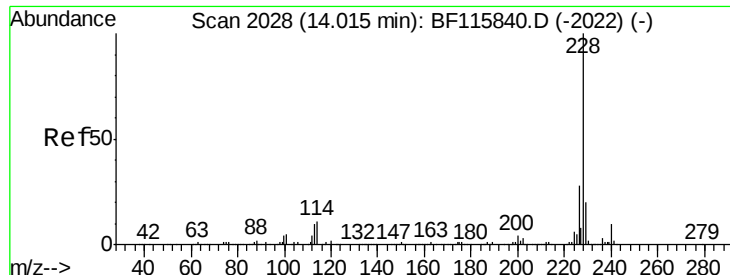
Tot Ion:202 Resp: 474
Ion Ratio Lower Upper
202 100
200 0.0 18.2 27.2#
203 0.0 14.3 21.5#



#79
Terphenyl-d14
Concen: 105.177 ng
RT: 12.94 min Scan# 1846
Delta R.T. -0.02 min
Lab File: BF116030.D
Acq: 6 Aug 2019 22:55

Tgt Ion:244 Resp: 1544074
Ion Ratio Lower Upper
244 100
212 7.4 5.6 8.4
122 12.0 8.6 13.0





#81

Benzo(a)anthracene

Concen: 0.036 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.02 min

Lab File: BF116030.D

Acq: 6 Aug 2019 22:55

Instrument :

BNA_F

ClientSampleId :

1S-C1-C4-COMP-(30)

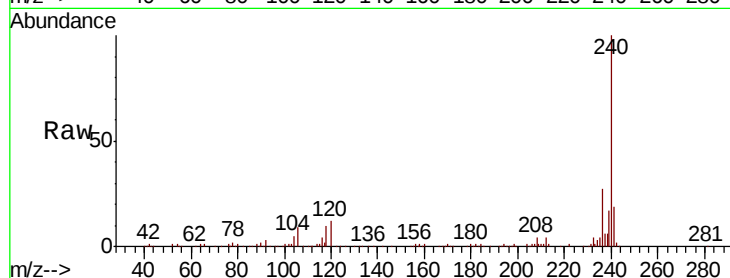
Tot Ion:228 Resp: 719

Ion Ratio Lower Upper

228 100

226 0.0 22.5 33.7#

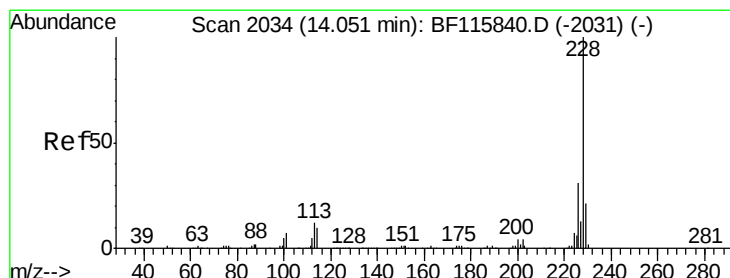
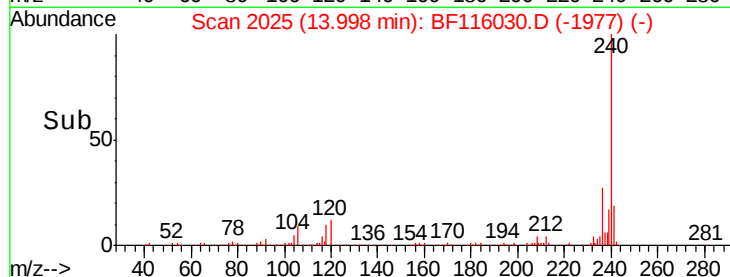
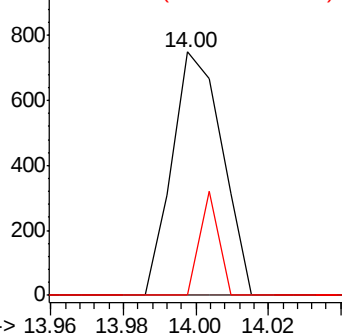
229 0.0 16.1 24.1#



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: 0.037 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.05 min

Lab File: BF116030.D

Acq: 6 Aug 2019 22:55

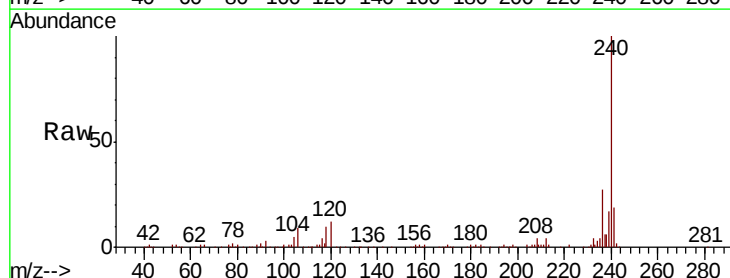
Tgt Ion:228 Resp: 719

Ion Ratio Lower Upper

228 100

226 0.0 24.8 37.2#

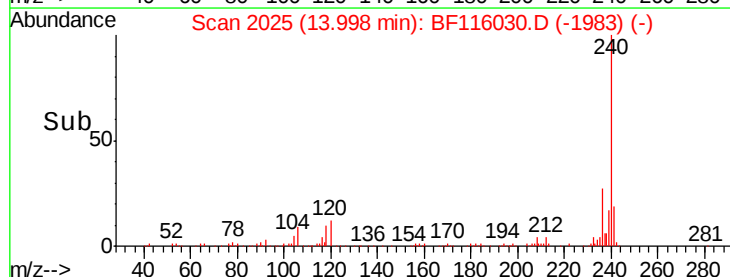
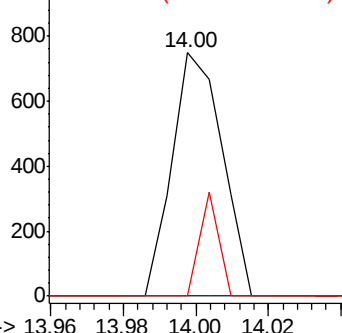
229 0.0 16.4 24.6#

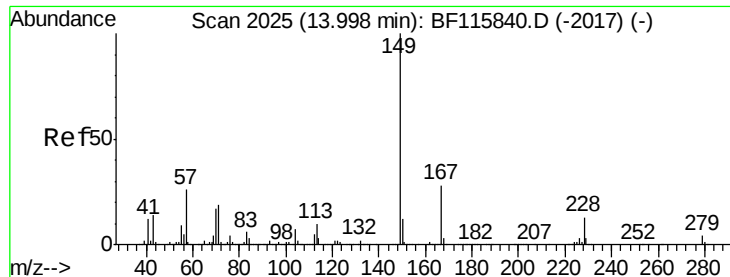


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.042 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.02 min

Lab File: BF116030.D

Acq: 6 Aug 2019 22:55

Instrument :

BNA_F

ClientSampleId :

1S-C1-C4-COMP-(30)

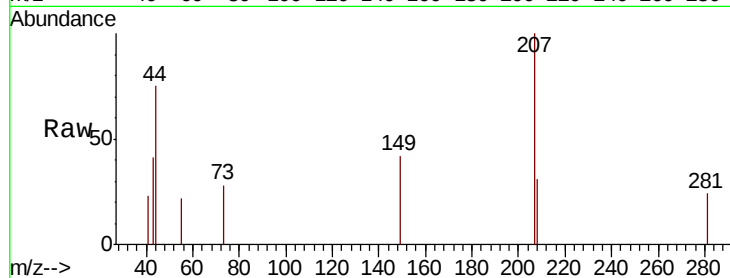
Tot Ion:149 Resp: 532

Ion Ratio Lower Upper

149 100

167 0.0 22.4 33.6#

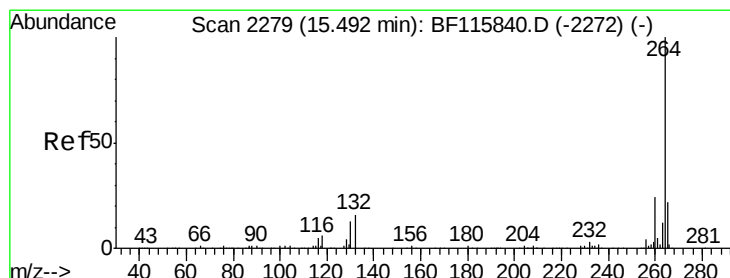
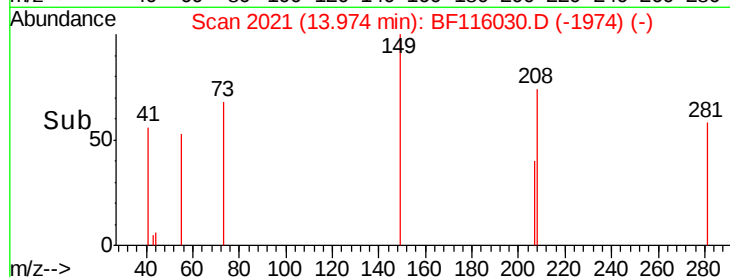
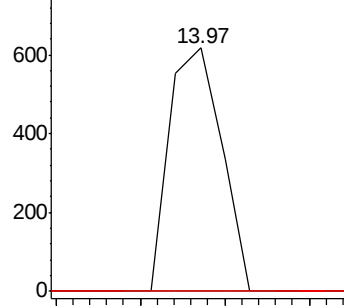
279 0.0 3.3 4.9#



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: BF116030.D

Acq: 6 Aug 2019 22:55

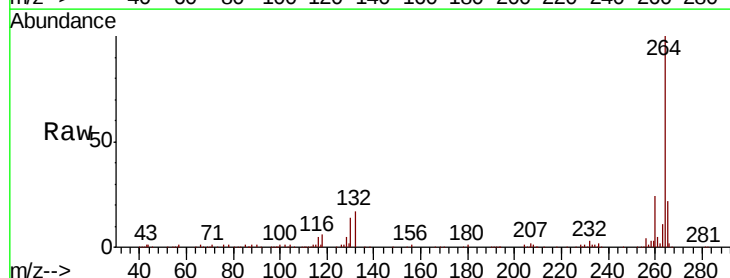
Tgt Ion:264 Resp: 338977

Ion Ratio Lower Upper

264 100

260 24.3 19.4 29.2

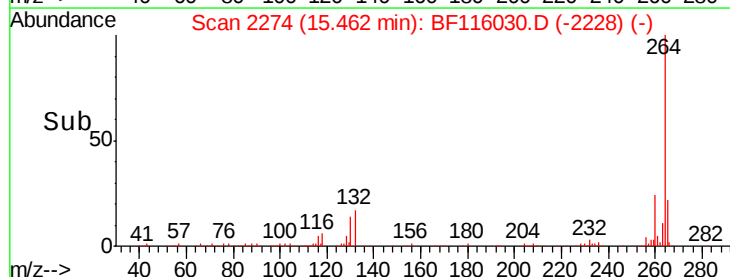
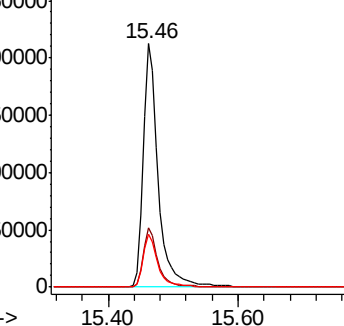
265 21.9 17.5 26.3

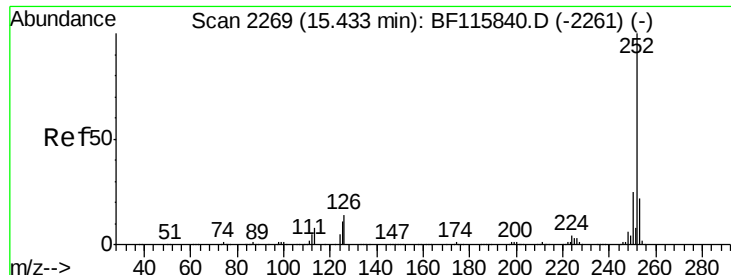


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#90

Benzo(a)pyrene

Concen: 0.039 ng

RT: 15.46 min Scan# 2274

Delta R.T. 0.03 min

Lab File: BF116030.D

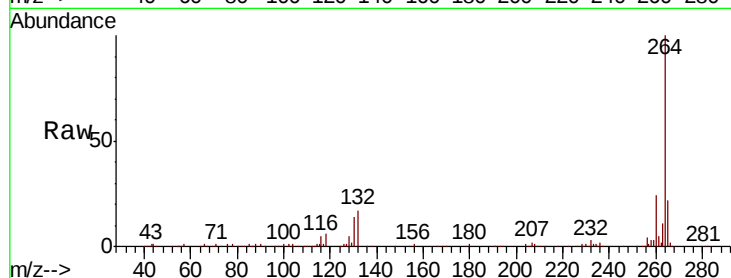
Acq: 6 Aug 2019 22:55

Instrument :

BNA_F

ClientSampleId :

1S-C1-C4-COMP-(30)



Tot Ion:252	Resp:	687
Ion	Ratio	Lower Upper
252	100	
253	0.0	17.8 26.6#
125	0.0	8.8 13.2#

