

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
 Data File : BF116026.D
 Acq On : 6 Aug 2019 21:08
 Operator : HP/JU
 Sample : K4130-34
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 07 01:19:13 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

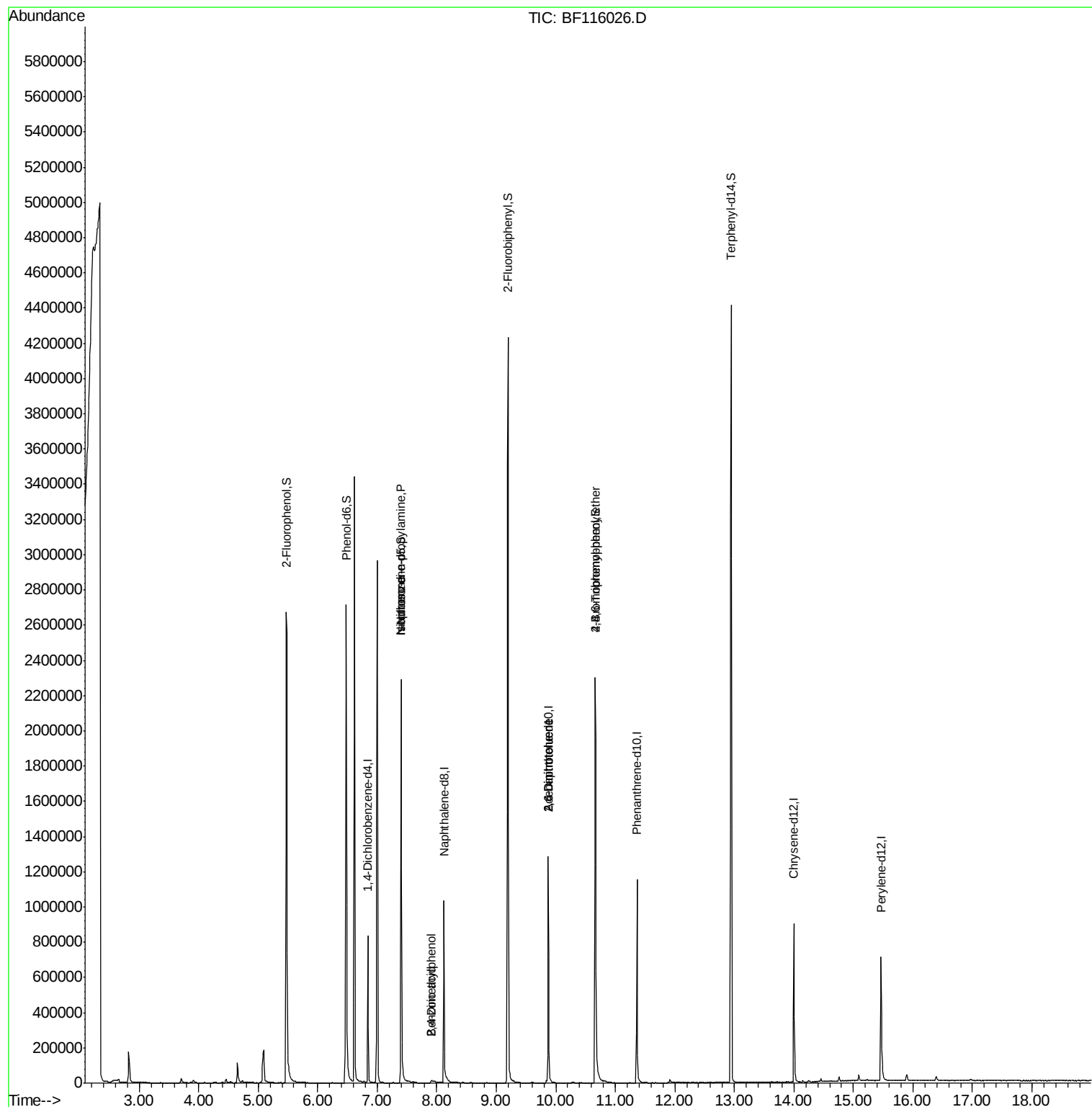
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	128964	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	496331	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	263427	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	474491	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	347612	20.00	ng	-0.03
87) Perylene-d12	15.46	264	383790	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	898229	116.60	ng	0.01
7) Phenol-d6	6.48	99	1055983	108.65	ng	0.00
23) Nitrobenzene-d5	7.40	82	817360	95.06	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	358072	140.20	ng	-0.02
45) 2-Fluorobiphenyl	9.20	172	1408658	100.16	ng	-0.02
79) Terphenyl-d14	12.95	244	1634226	99.06	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	109030	18.102	ng	# 79
25) Isophorone	7.40	82	817356	49.713	ng	# 66
27) 2,4-Dimethylphenol	7.91	122	17797	2.703	ng	# 3
32) Benzoic acid	7.91	122	17797	3.834	ng	# 93
51) 2,6-Dinitrotoluene	9.87	165	33341	8.554	ng	# 28
57) 2,4-Dinitrotoluene	9.87	165	33341	6.424	ng	# 25
67) 4-Bromophenyl-phenylether	10.66	248	21211	4.176	ng	# 1

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

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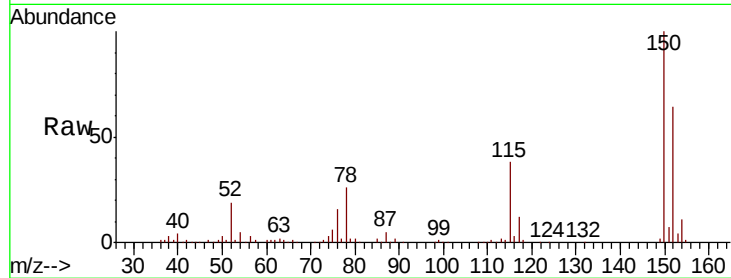


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116026.D
Acq: 6 Aug 2019 21:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	127.4	191.0
115	59.6	51.8	77.8

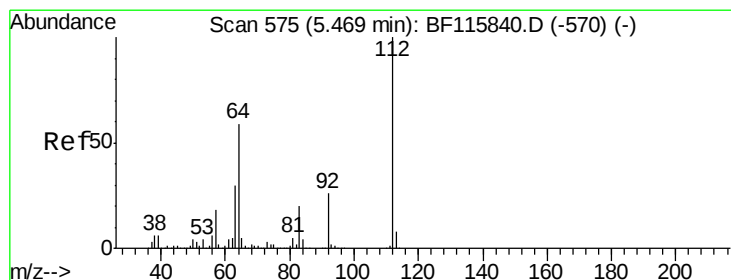
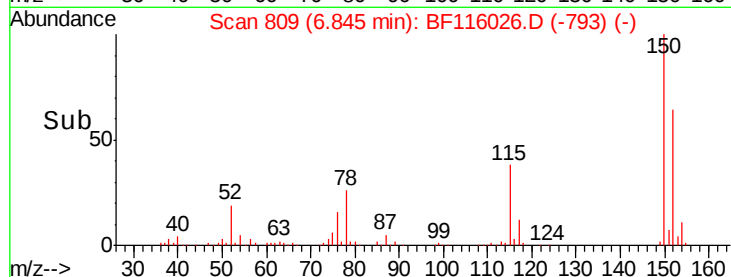
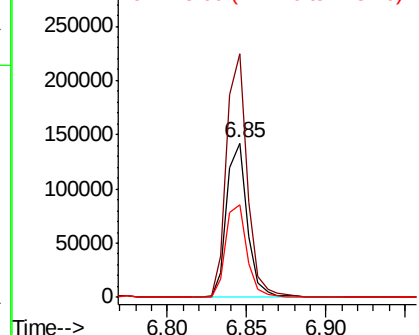


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

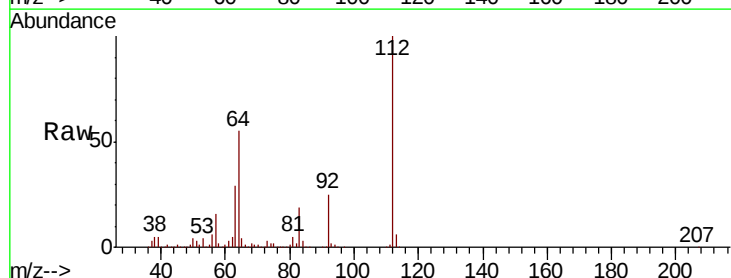
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 116.598 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.01 min
Lab File: BF116026.D
Acq: 6 Aug 2019 21:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.9	46.8	70.2
63	28.5	24.2	36.2

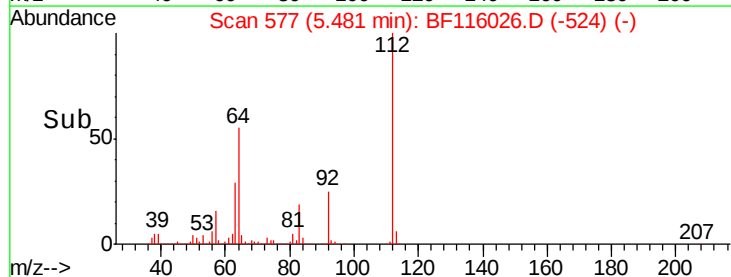
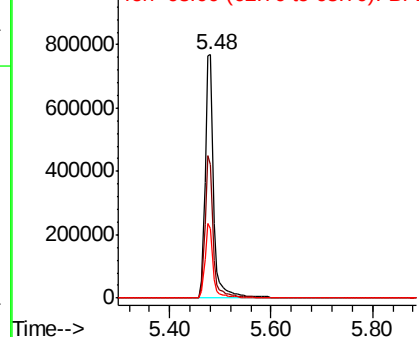


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 108.646 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116026.D

Acq: 6 Aug 2019 21:08

Instrument :

BNA_F

ClientSampled :

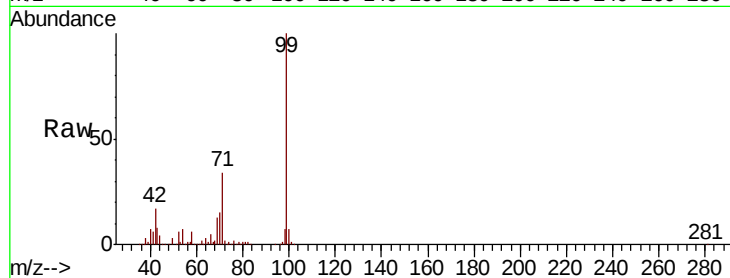
Tot Ion: 99 Resp: 1055983

Ion Ratio Lower Upper

99 100

42 16.5 13.8 20.6

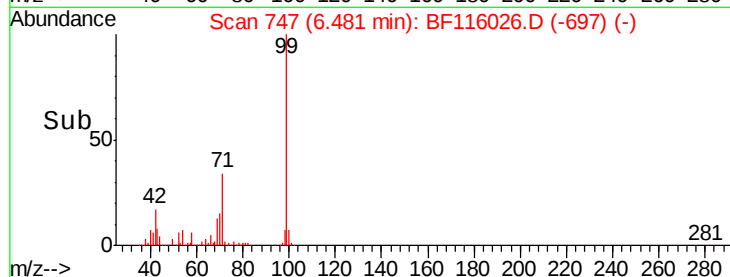
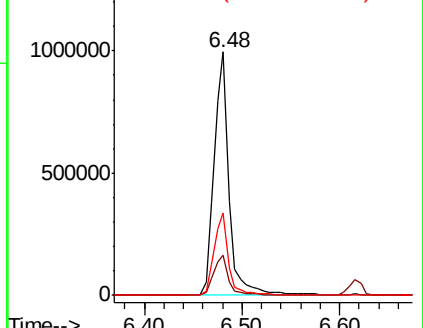
71 33.6 27.1 40.7



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 18.102 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF116026.D

Acq: 6 Aug 2019 21:08

Tgt Ion: 70 Resp: 109030

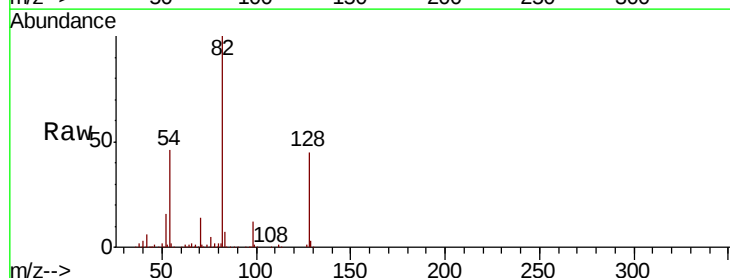
Ion Ratio Lower Upper

70 100

42 44.5 41.8 62.8

101 0.0 7.7 11.5#

130 2.1 17.8 26.6#

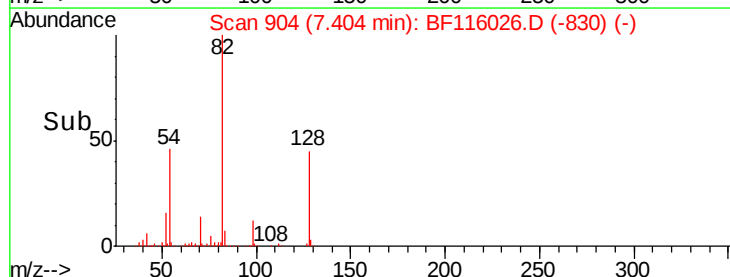
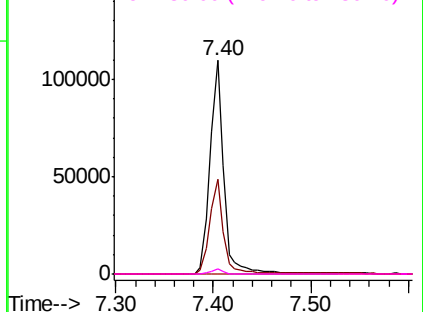


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF116026.D

Acq: 6 Aug 2019 21:08

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 496331

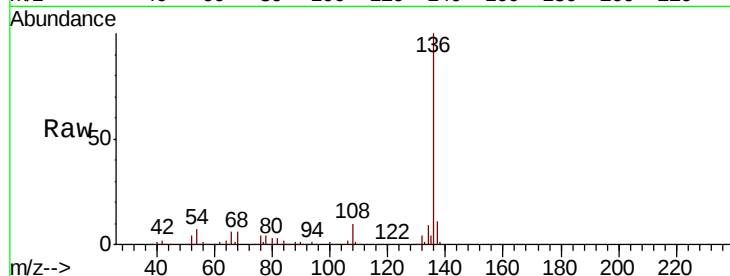
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 6.8 6.1 9.1

68 6.0 5.4 8.2

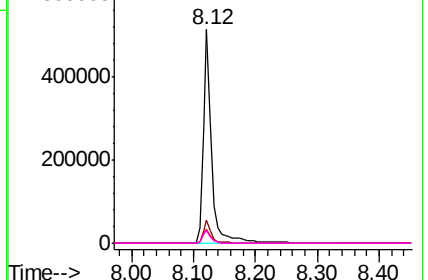
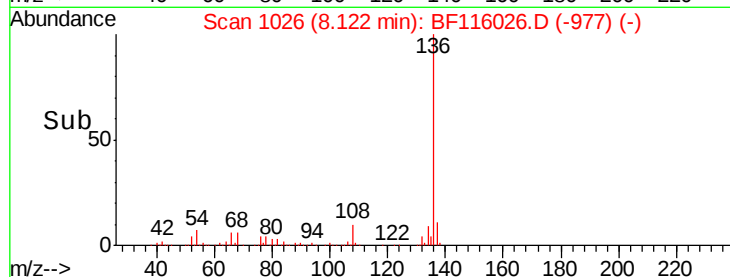


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 95.059 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF116026.D

Acq: 6 Aug 2019 21:08

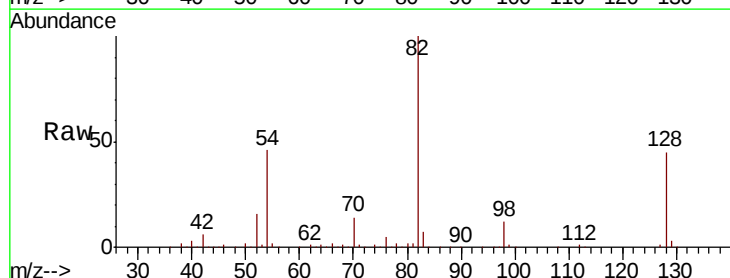
Tgt Ion: 82 Resp: 817360

Ion Ratio Lower Upper

82 100

128 45.0 36.6 55.0

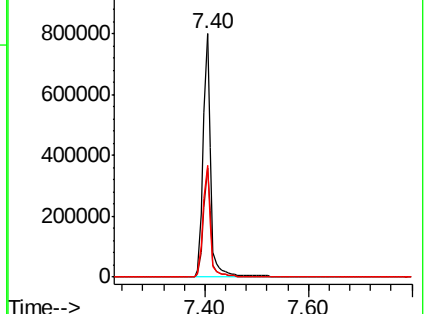
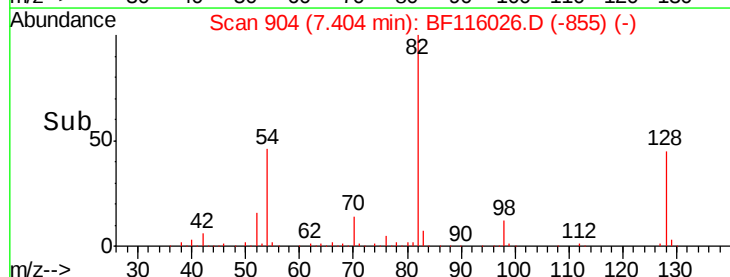
54 45.7 36.6 55.0



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





#25

Isophorone

Concen: 49.713 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.27 min

Lab File: BF116026.D

Acq: 6 Aug 2019 21:08

Instrument :

BNA_F

ClientSampleId :

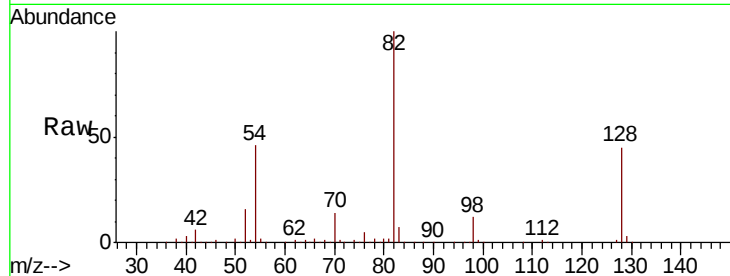
Tot Ion: 82 Resp: 817356

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

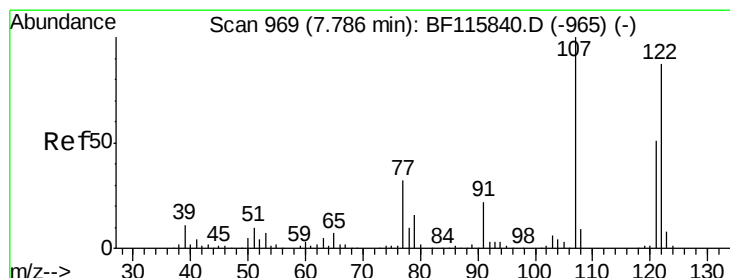
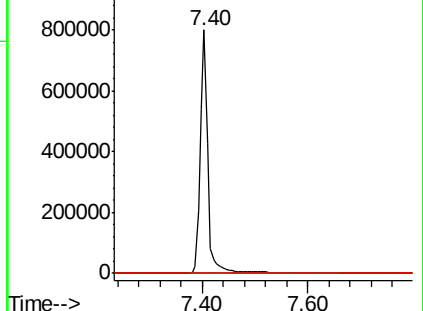
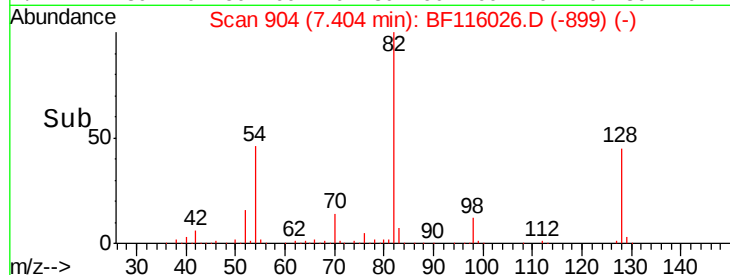
138 0.0 13.9 20.9#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#27

2,4-Dimethylphenol

Concen: 2.703 ng

RT: 7.91 min Scan# 990

Delta R.T. 0.12 min

Lab File: BF116026.D

Acq: 6 Aug 2019 21:08

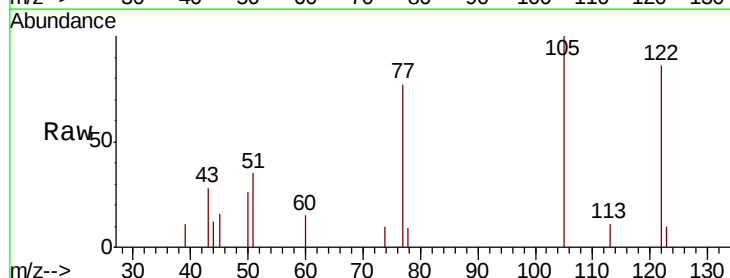
Tgt Ion:122 Resp: 17797

Ion Ratio Lower Upper

122 100

107 0.0 91.7 137.5#

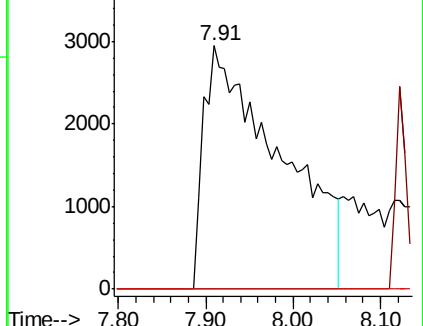
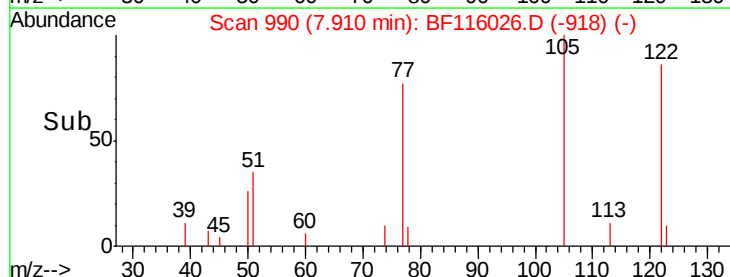
121 0.0 46.6 70.0#

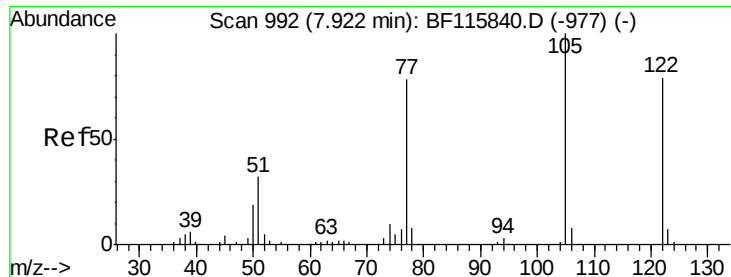


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

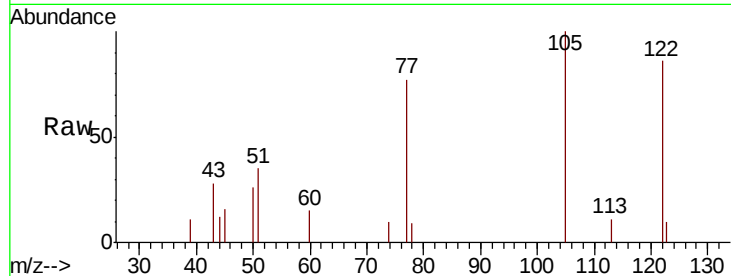




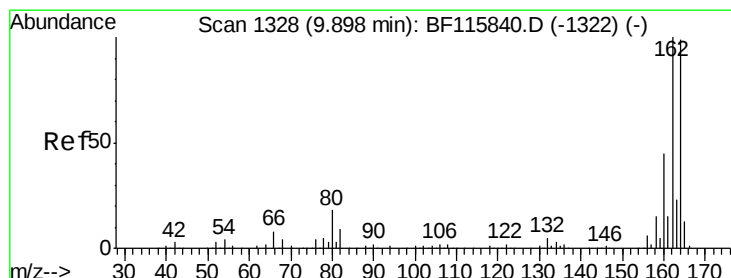
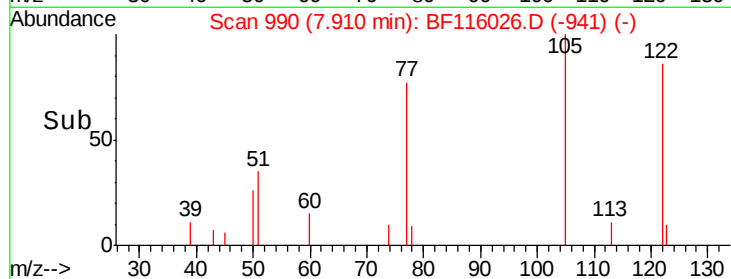
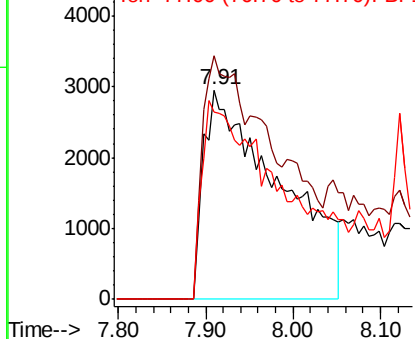
#32
Benzoic acid
Concen: 3.834 ng
RT: 7.91 min Scan# 990
Delta R.T. -0.01 min
Lab File: BF116026.D
Acq: 6 Aug 2019 21:08

Instrument :
BNA_F
ClientSampled :

Tot Ion:122 Resp: 17797
Ion Ratio Lower Upper
122 100
105 116.4 103.1 143.1
77 89.5 76.8 116.8

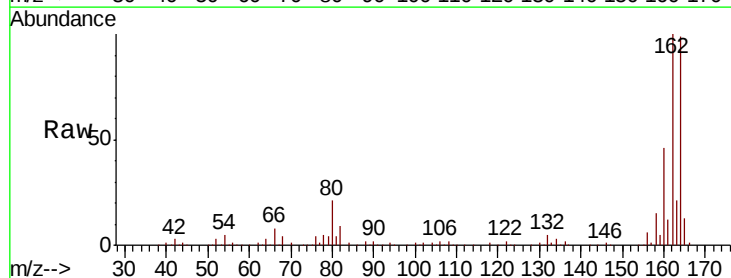


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

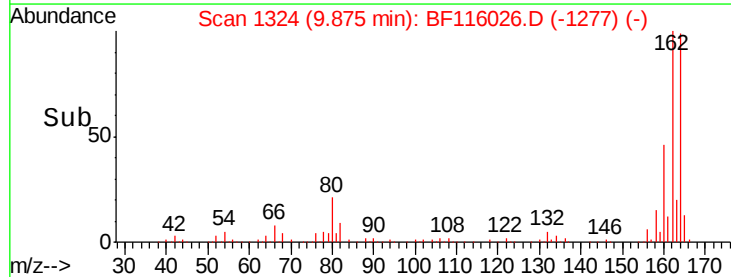
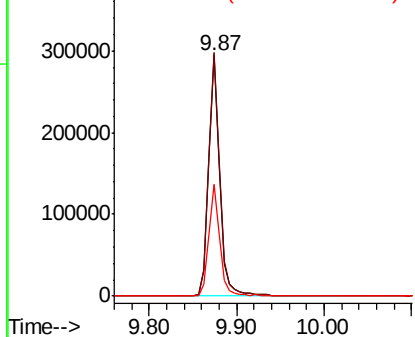


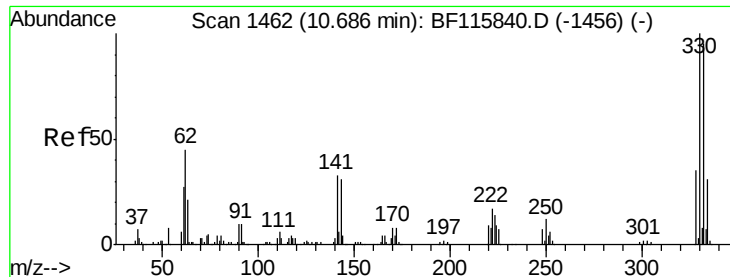
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.02 min
Lab File: BF116026.D
Acq: 6 Aug 2019 21:08

Tgt Ion:164 Resp: 263427
Ion Ratio Lower Upper
164 100
162 101.1 80.8 121.2
160 46.3 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: 140.201 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.02 min

Lab File: BF116026.D

Acq: 6 Aug 2019 21:08

Instrument :

BNA_F

ClientSampleId :

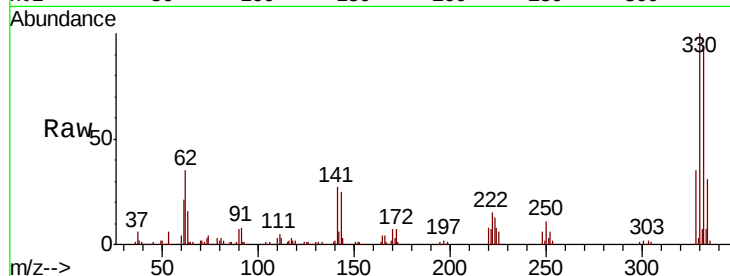
Tot Ion:330 Resp: 358072

Ion Ratio Lower Upper

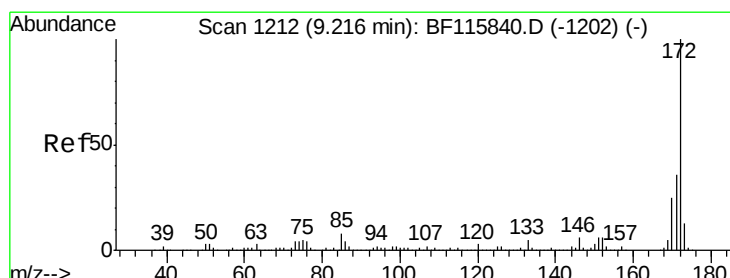
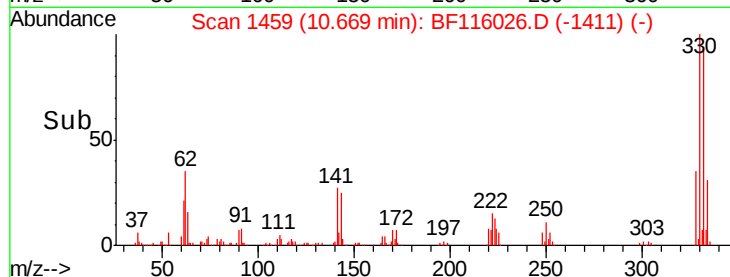
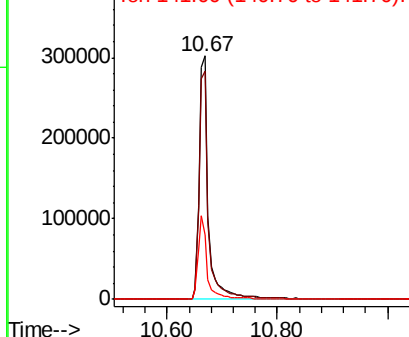
330 100

332 94.7 77.7 116.5

141 33.7 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: 100.161 ng

RT: 9.20 min Scan# 1209

Delta R.T. -0.02 min

Lab File: BF116026.D

Acq: 6 Aug 2019 21:08

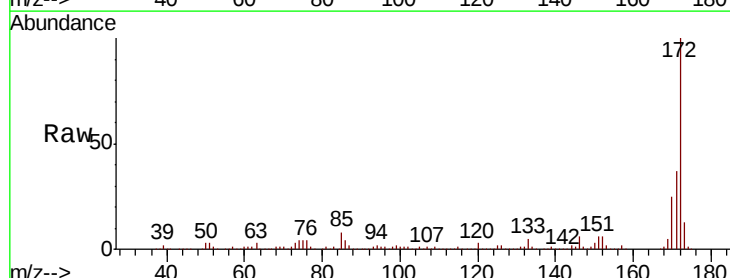
Tgt Ion:172 Resp: 1408658

Ion Ratio Lower Upper

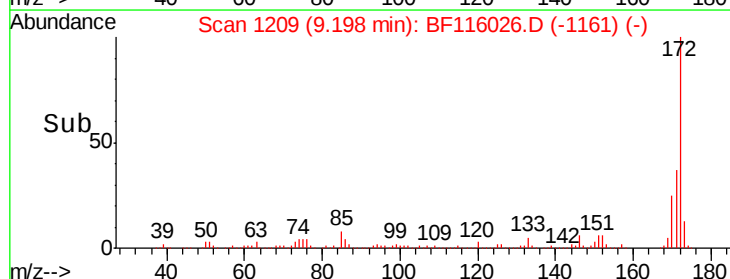
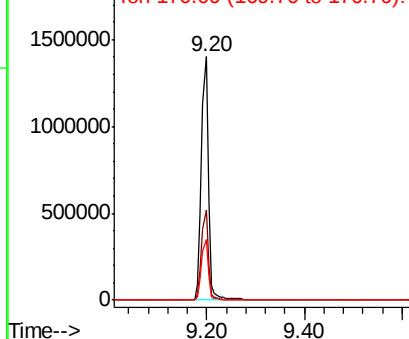
172 100

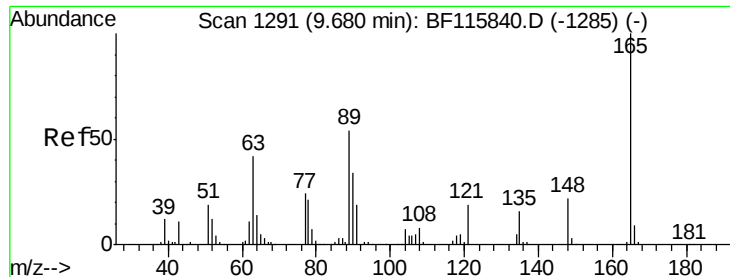
171 36.8 29.1 43.7

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





#51

2,6-Dinitrotoluene

Concen: 8.554 ng

RT: 9.87 min Scan# 1324

Delta R.T. 0.19 min

Lab File: BF116026.D

Acq: 6 Aug 2019 21:08

Instrument :

BNA_F

ClientSampleId :

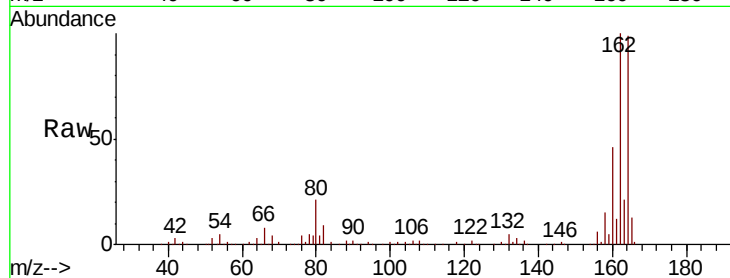
Tot Ion:165 Resp: 33341

Ion Ratio Lower Upper

165 100

63 1.4 39.4 59.2#

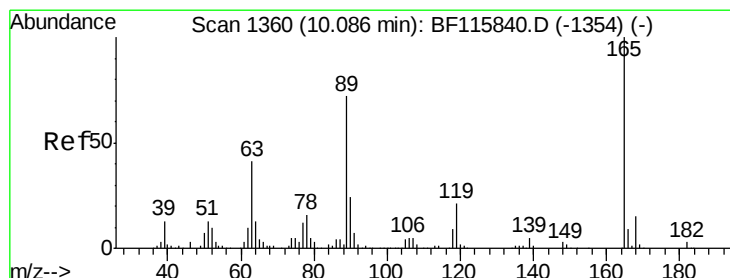
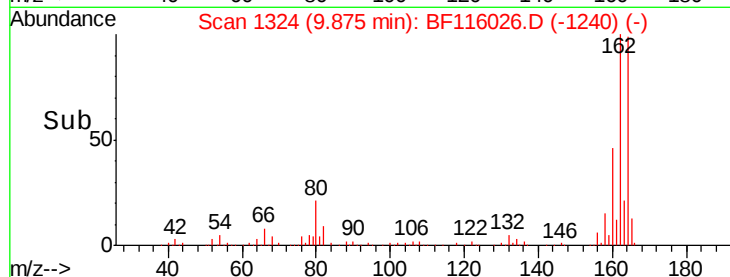
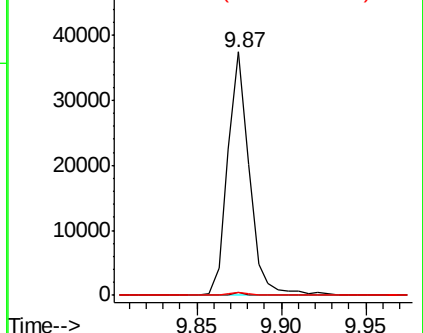
89 1.3 43.0 64.6#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#57

2,4-Dinitrotoluene

Concen: 6.424 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.21 min

Lab File: BF116026.D

Acq: 6 Aug 2019 21:08

Tgt Ion:165 Resp: 33341

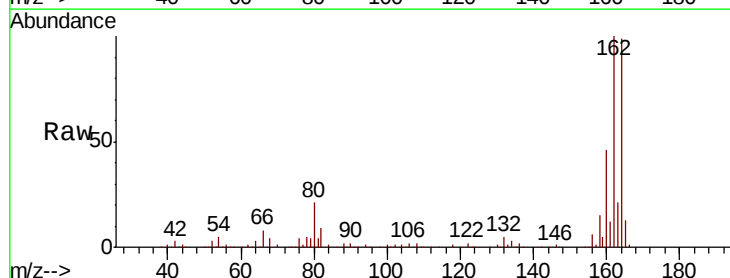
Ion Ratio Lower Upper

165 100

63 1.4 33.2 49.8#

89 1.3 57.3 85.9#

182 0.0 2.1 3.1#

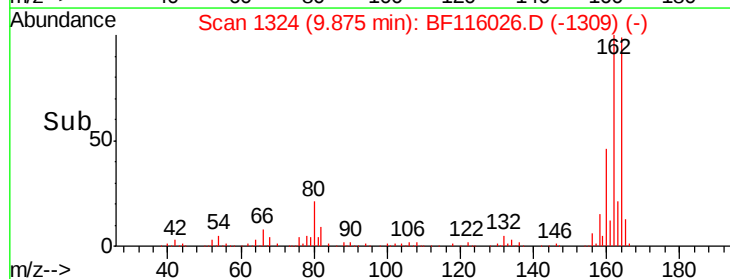
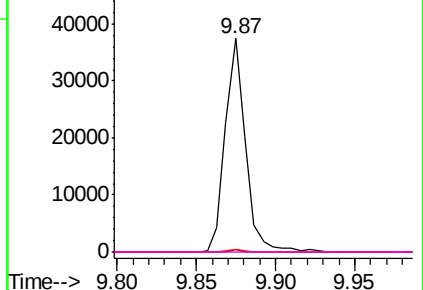


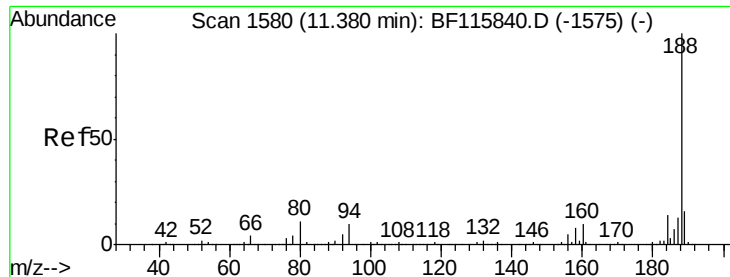
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

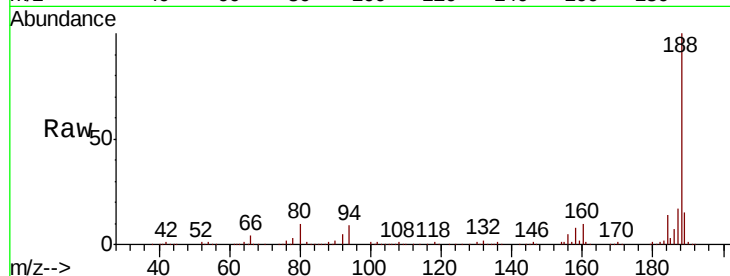




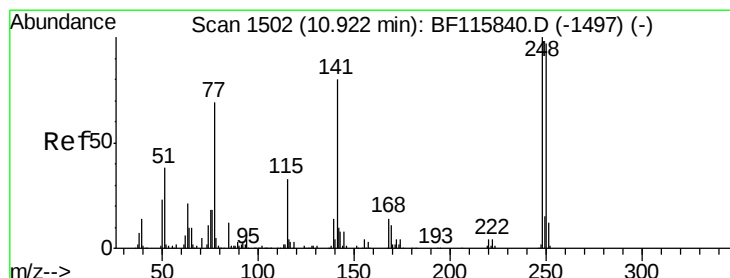
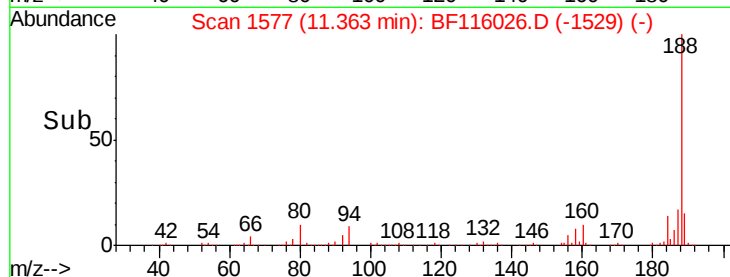
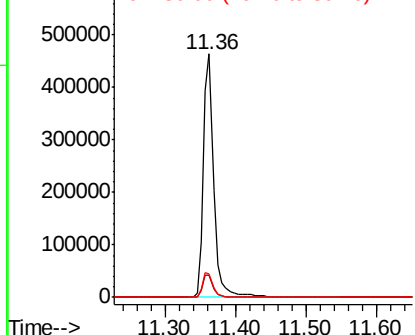
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.02 min
Lab File: BF116026.D
Acq: 6 Aug 2019 21:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 474491
Ion Ratio Lower Upper
188 100
94 9.1 8.0 12.0
80 9.5 8.6 12.8

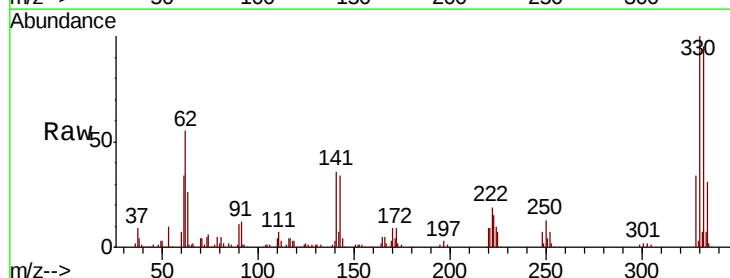


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

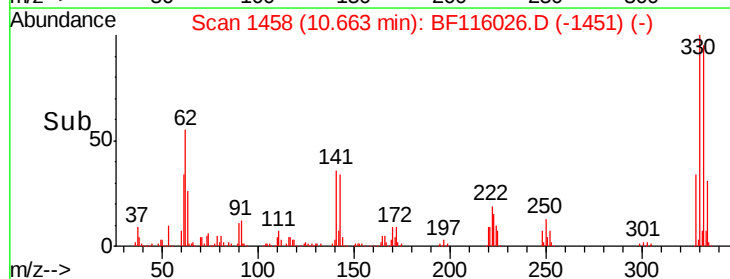
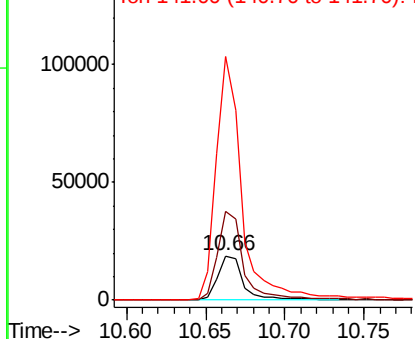


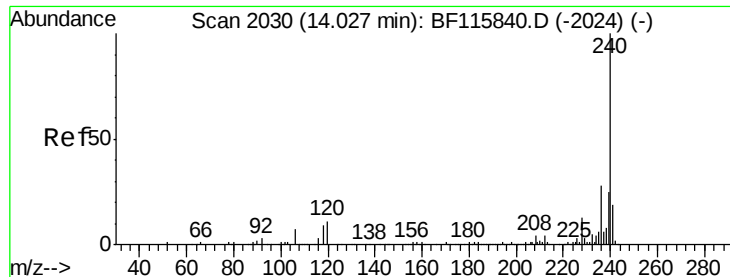
#67
4-Bromophenyl-phenylether
Concen: 4.176 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.26 min
Lab File: BF116026.D
Acq: 6 Aug 2019 21:08

Tgt Ion:248 Resp: 21211
Ion Ratio Lower Upper
248 100
250 200.2 77.8 116.6#
141 549.3 64.3 96.5#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

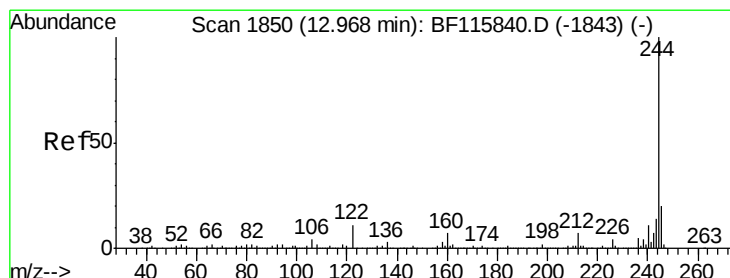
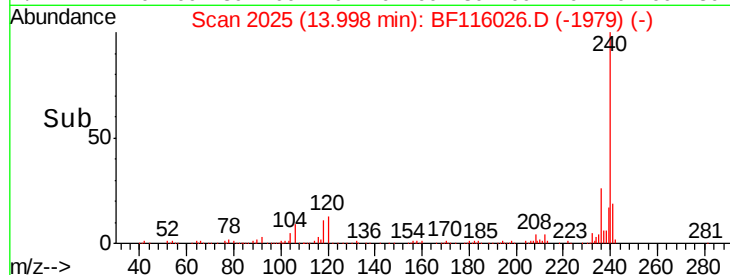
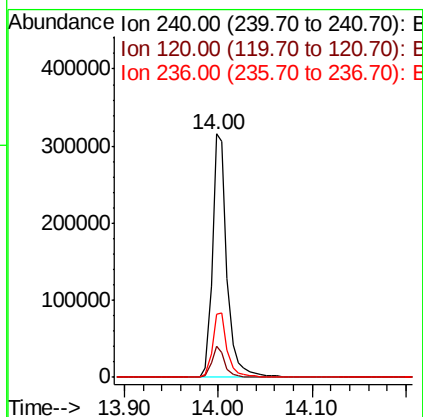
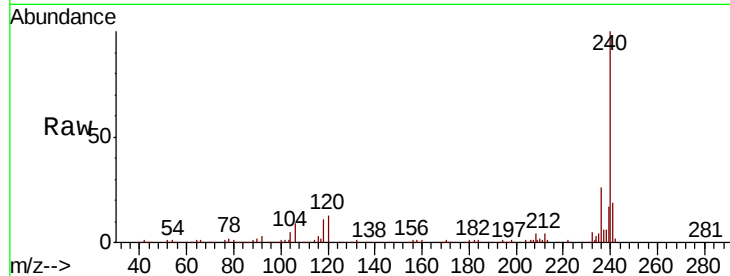




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.03 min
 Lab File: BF116026.D
 Acq: 6 Aug 2019 21:08

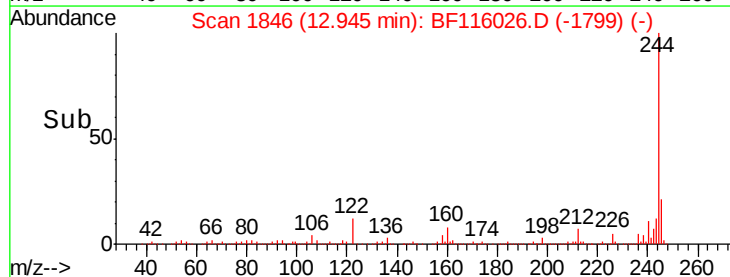
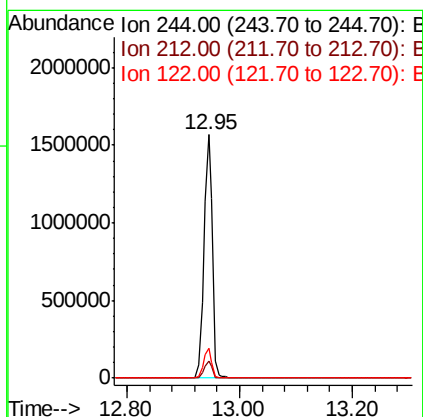
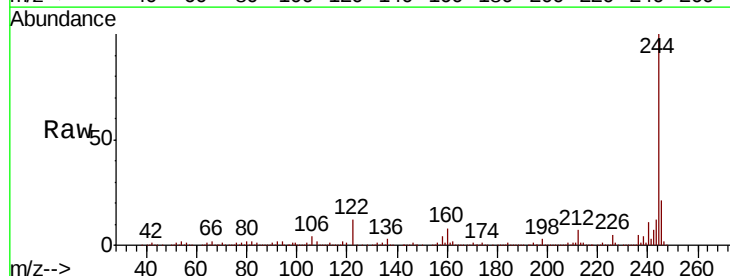
Instrument :
 BNA_F
 ClientSampleId :

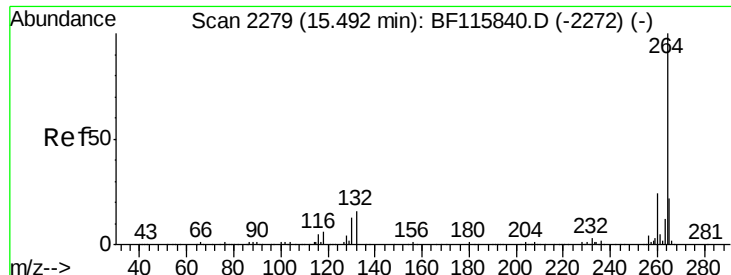
Tot Ion:240 Resp: 347612
 Ion Ratio Lower Upper
 240 100
 120 12.6 8.5 12.7
 236 26.1 22.2 33.2



#79
 Terphenyl-d14
 Concen: 99.064 ng
 RT: 12.95 min Scan# 1846
 Delta R.T. -0.02 min
 Lab File: BF116026.D
 Acq: 6 Aug 2019 21:08

Tgt Ion:244 Resp: 1634226
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.6 8.4
 122 12.1 8.6 13.0





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2274
 Delta R.T. -0.03 min
 Lab File: BF116026.D
 Acq: 6 Aug 2019 21:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	264	Resp:	383790
Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.4	29.2
265	21.8	17.5	26.3

