

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083119\
 Data File : BF116714.D
 Acq On : 31 Aug 2019 23:59
 Operator : HP/JU
 Sample : K4527-22
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T9-12-13-M-(0-1.9)

Quant Time: Sep 01 01:30:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

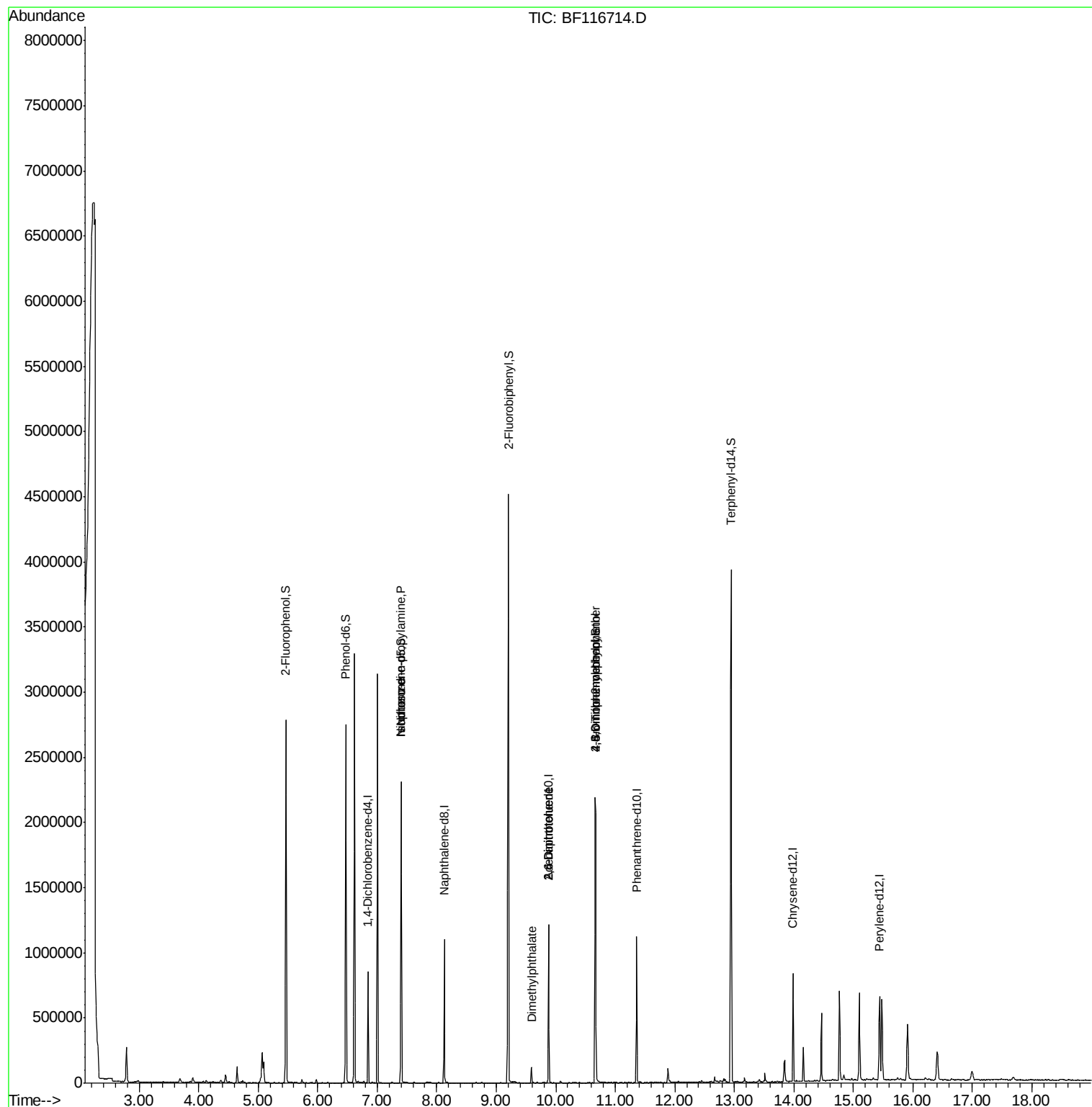
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	116935	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	462484	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	237113	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	385704	20.00	ng	-0.01
76) Chrysene-d12	13.99	240	248945	20.00	ng	-0.01
87) Perylene-d12	15.44	264	277706	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	843664	116.88	ng	0.00
7) Phenol-d6	6.47	99	994243	104.90	ng	0.00
23) Nitrobenzene-d5	7.40	82	818626	101.05	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	250922	158.30	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1370078	97.47	ng	0.00
79) Terphenyl-d14	12.94	244	1270700	94.43	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	109396	17.530	ng	# 74
25) Isophorone	7.40	82	818621	49.867	ng	# 66
50) Dimethylphthalate	9.59	163	52195	3.188	ng	# 98
51) 2,6-Dinitrotoluene	9.88	165	29893	9.571	ng	# 21
57) 2,4-Dinitrotoluene	9.88	165	29893	7.827	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.66	198	401	7.690	ng	# 1
67) 4-Bromophenyl-phenylether	10.67	248	16463	4.202	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: BF116714.D

Acq: 31 Aug 2019 23:59

Instrument :

BNA_F

ClientSampleId :

T9-12-13-M-(0-1.9)

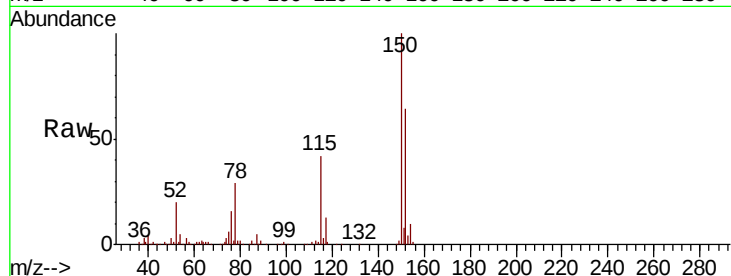
Tot Ion:152 Resp: 116935

Ion Ratio Lower Upper

152 100

150 155.3 124.4 186.6

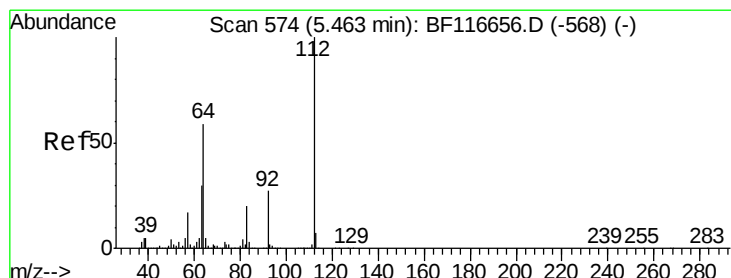
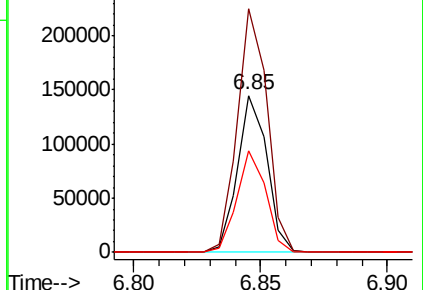
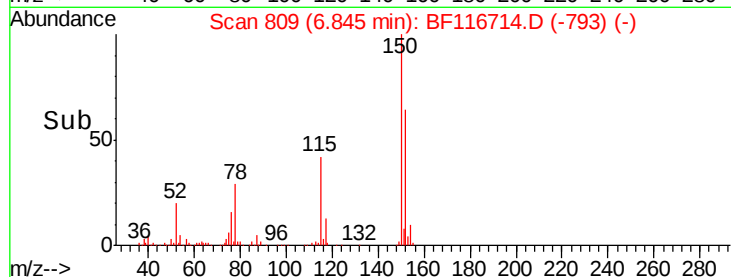
115 65.0 49.9 74.9



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: 116.884 ng

RT: 5.47 min Scan# 575

Delta R.T. 0.01 min

Lab File: BF116714.D

Acq: 31 Aug 2019 23:59

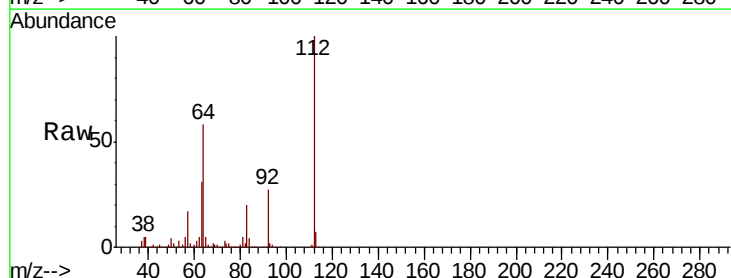
Tgt Ion:112 Resp: 843664

Ion Ratio Lower Upper

112 100

64 58.1 47.1 70.7

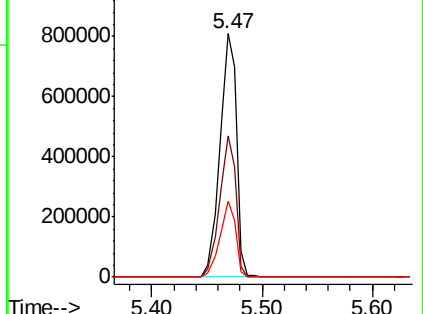
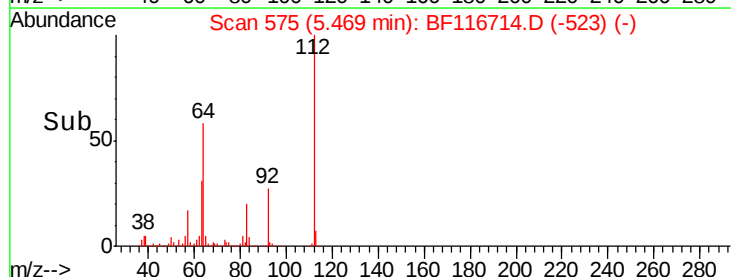
63 31.2 24.9 37.3



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: 104.900 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116714.D

Acq: 31 Aug 2019 23:59

Instrument :

BNA_F

ClientSampleId :

T9-12-13-M-(0-1.9)

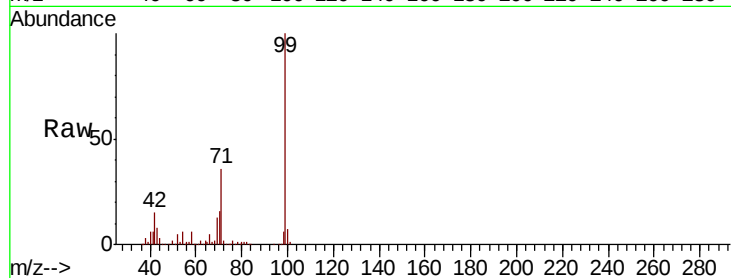
Tot Ion: 99 Resp: 994243

Ion Ratio Lower Upper

99 100

42 15.5 13.7 20.5

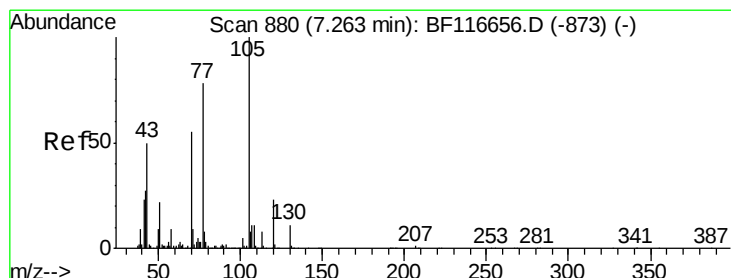
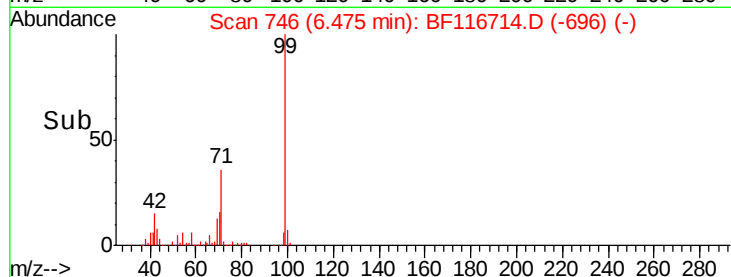
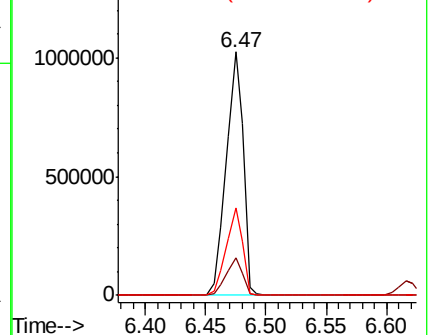
71 36.1 30.8 46.2



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: 17.530 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF116714.D

Acq: 31 Aug 2019 23:59

Tgt Ion: 70 Resp: 109396

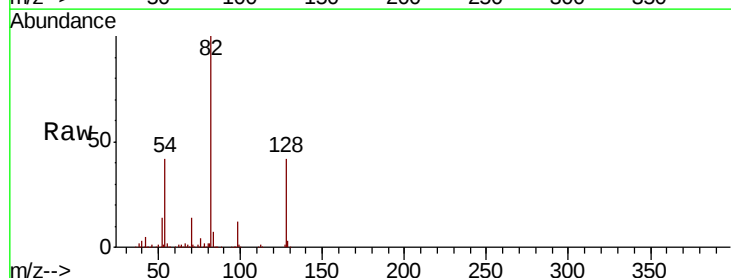
Ion Ratio Lower Upper

70 100

42 39.4 43.5 65.3#

101 0.0 7.8 11.6#

130 2.0 16.6 24.8#

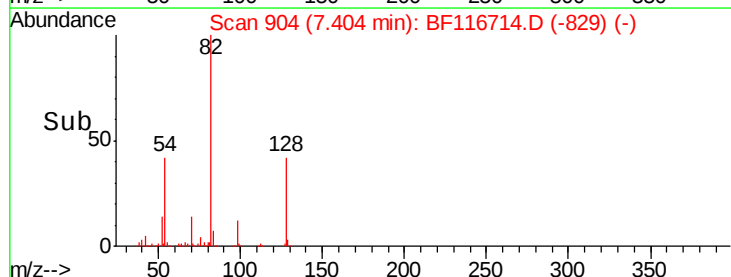
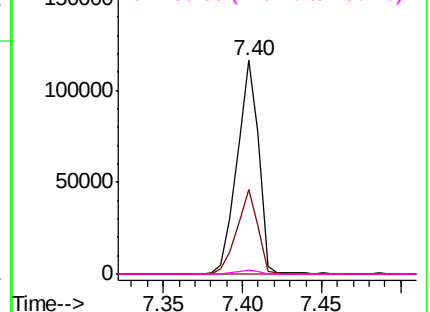


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF116714.D

Acq: 31 Aug 2019 23:59

Instrument :

BNA_F

ClientSampleId :

T9-12-13-M-(0-1.9)

Tot Ion:136 Resp: 462484

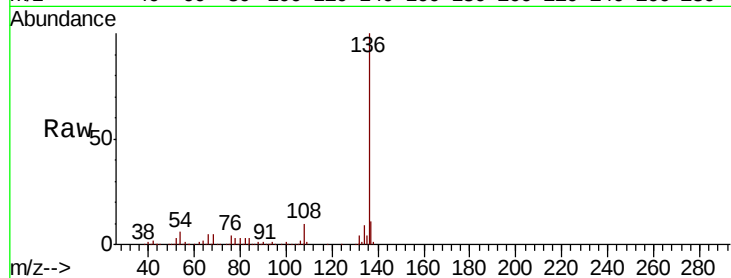
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 5.8 4.8 7.2

68 5.5 4.0 6.0

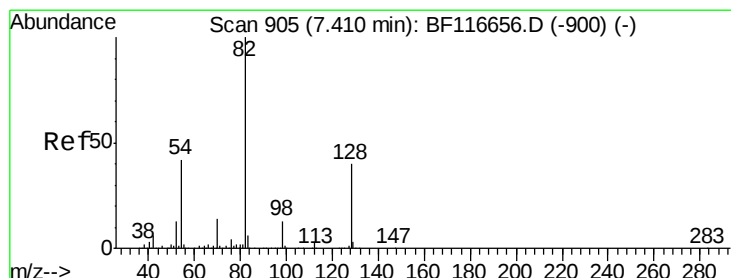
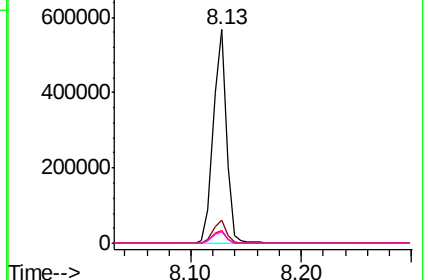
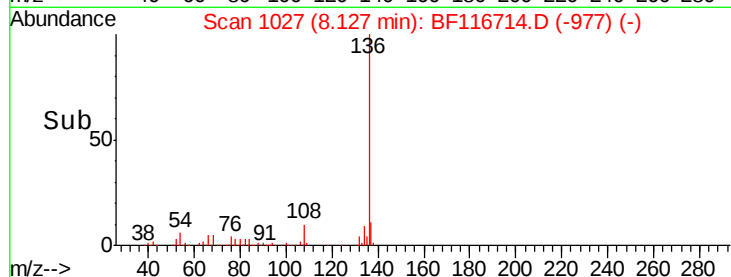


Abundance Ion 136.00 (135.70 to 136.70): E

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: 101.048 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF116714.D

Acq: 31 Aug 2019 23:59

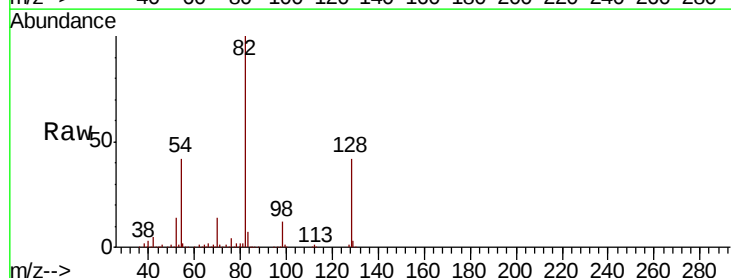
Tgt Ion: 82 Resp: 818626

Ion Ratio Lower Upper

82 100

128 41.6 32.8 49.2

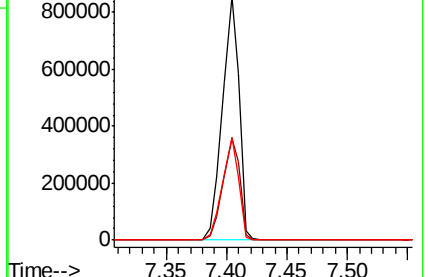
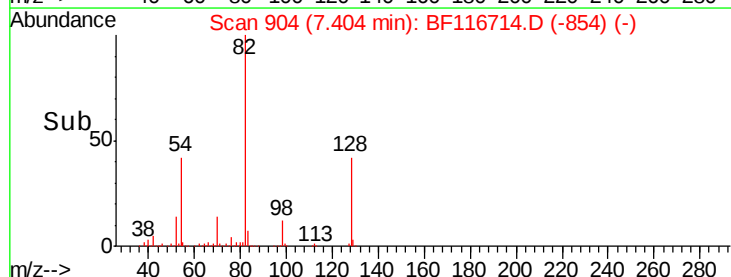
54 42.3 36.9 55.3

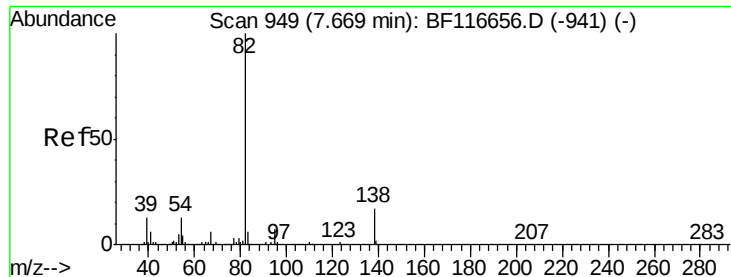


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 49.867 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.26 min

Lab File: BF116714.D

Acq: 31 Aug 2019 23:59

Instrument :

BNA_F

ClientSampleId :

T9-12-13-M-(0-1.9)

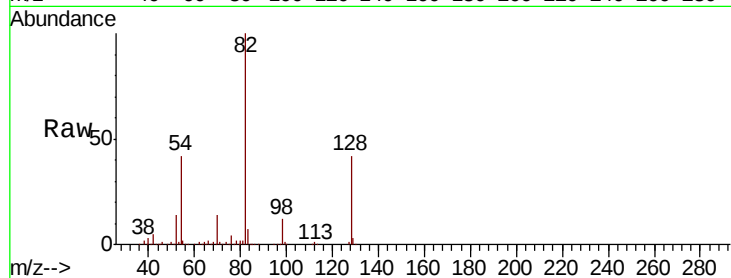
Tot Ion: 82 Resp: 818621

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

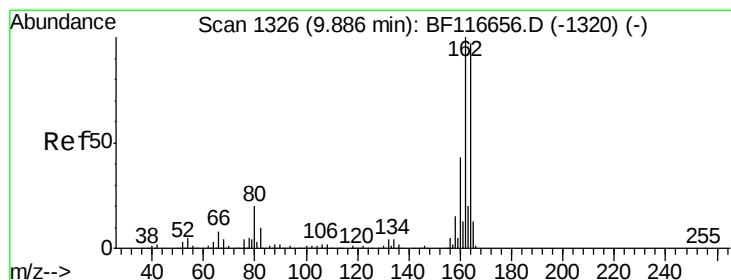
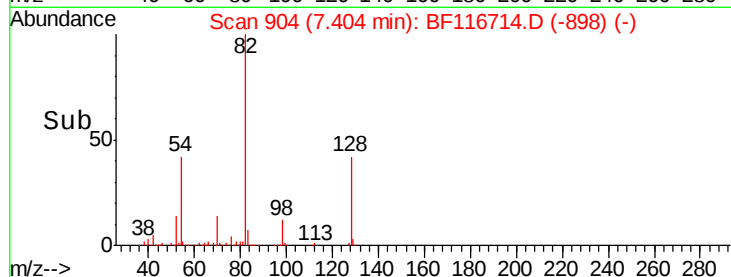
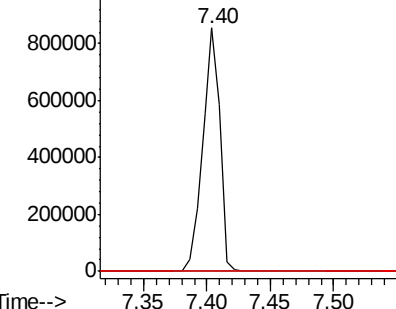
138 0.0 13.5 20.3#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF116714.D

Acq: 31 Aug 2019 23:59

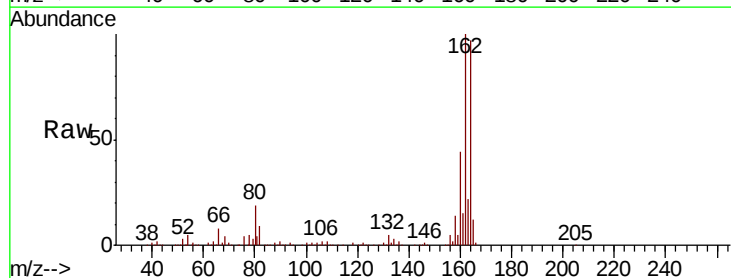
Tgt Ion:164 Resp: 237113

Ion Ratio Lower Upper

164 100

162 103.0 81.4 122.0

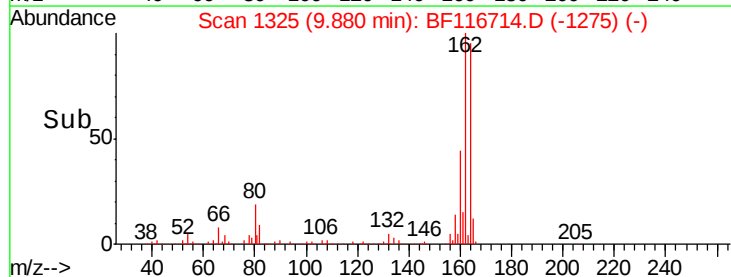
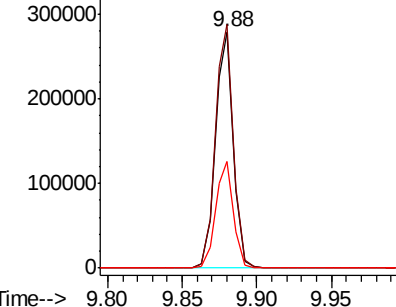
160 45.4 35.4 53.2

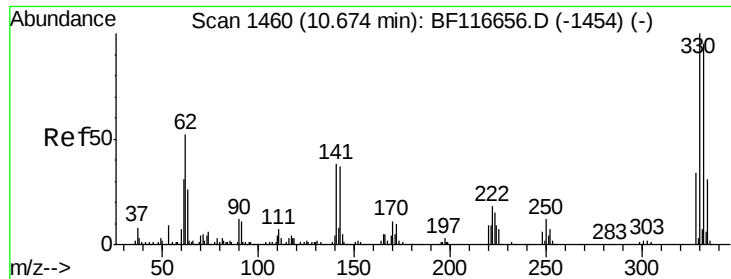


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

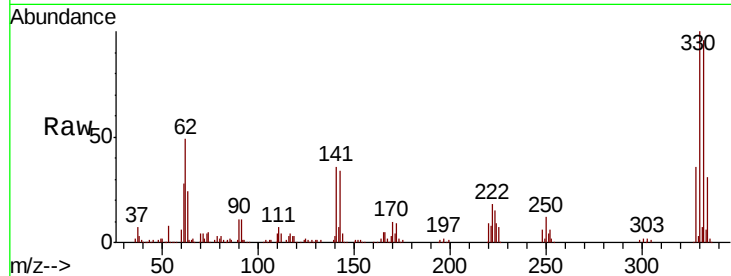




#42
 2,4,6-Tribromophenol
 Concen: 158.295 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF116714.D
 Acq: 31 Aug 2019 23:59

Instrument :
 BNA_F
 ClientSampleId :
 T9-12-13-M-(0-1.9)

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.9	115.3
141	44.5	31.4	47.2

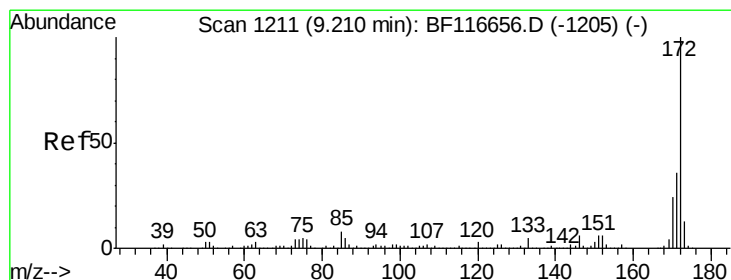
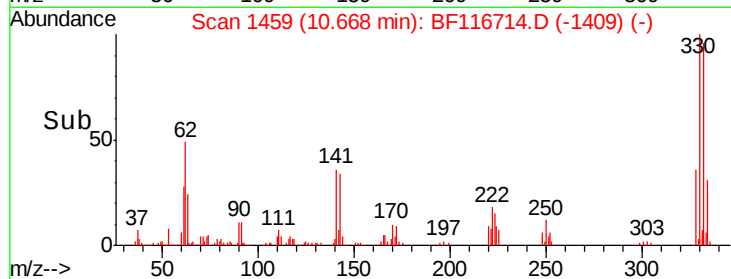
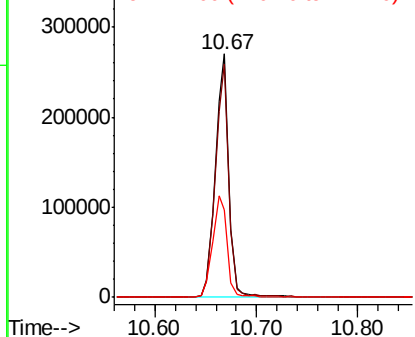


Abundance

Ion 329.80 (329.50 to 330.50): E

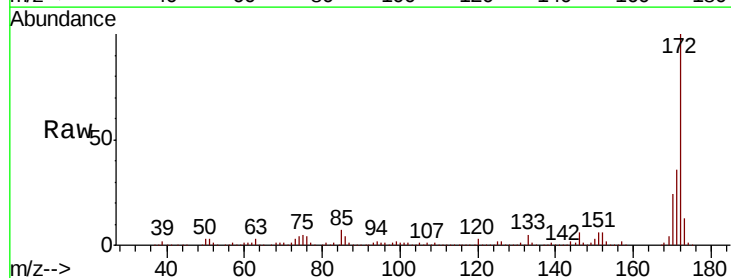
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 97.472 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF116714.D
 Acq: 31 Aug 2019 23:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	27.8	41.6
170	23.9	18.9	28.3

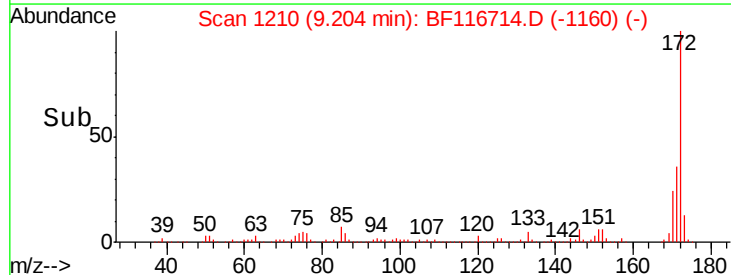
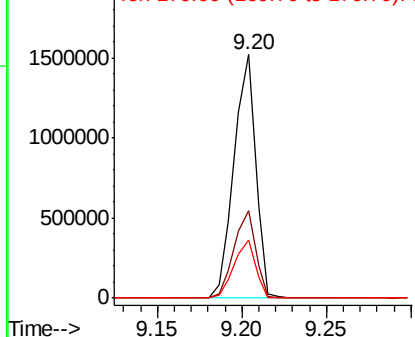


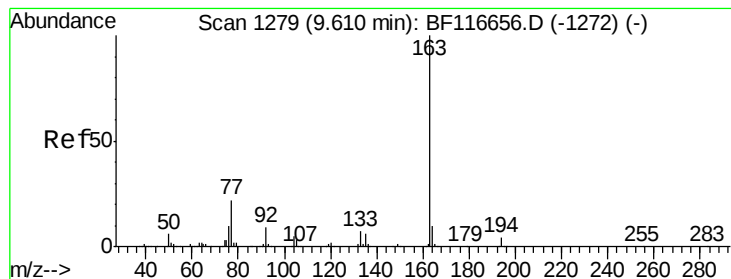
Abundance

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





#50

Dimethylphthalate

Concen: 3.188 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

Lab File: BF116714.D

Acq: 31 Aug 2019 23:59

Instrument :

BNA_F

ClientSampleId :

T9-12-13-M-(0-1.9)

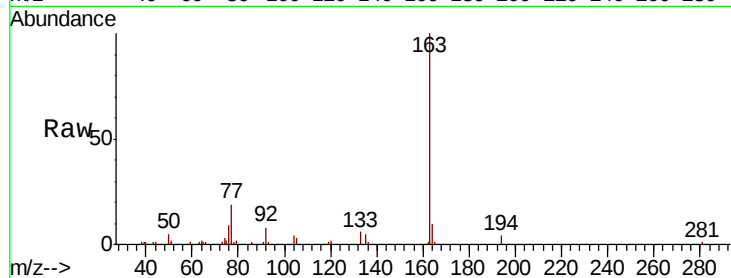
Tot Ion:163 Resp: 52195

Ion Ratio Lower Upper

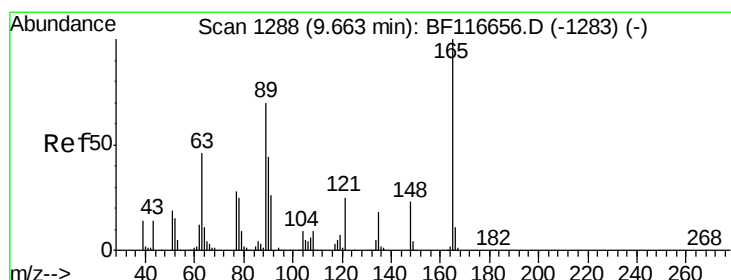
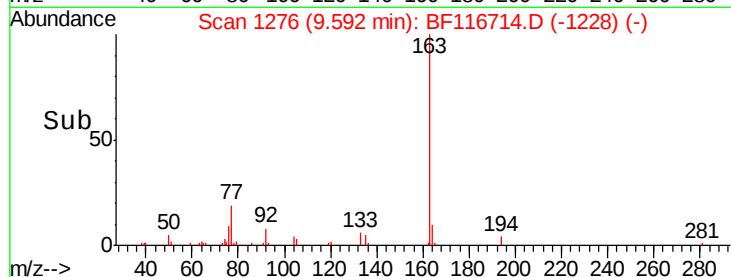
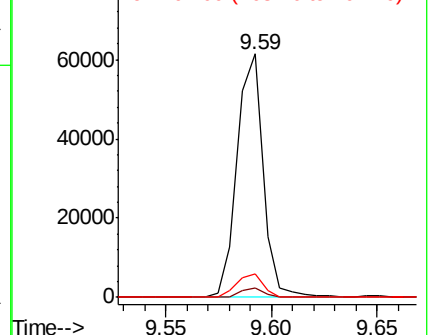
163 100

194 3.8 2.8 4.2

164 9.6 8.6 12.8



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 9.571 ng

RT: 9.88 min Scan# 1325

Delta R.T. 0.22 min

Lab File: BF116714.D

Acq: 31 Aug 2019 23:59

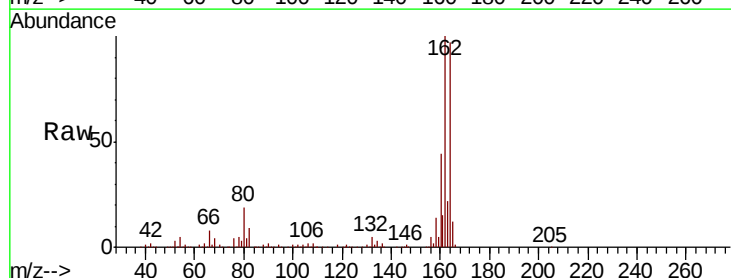
Tgt Ion:165 Resp: 29893

Ion Ratio Lower Upper

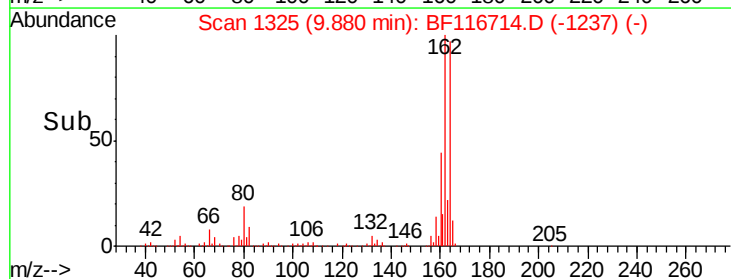
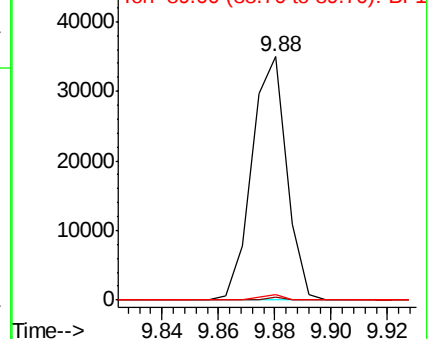
165 100

63 1.4 47.3 70.9#

89 2.0 52.5 78.7#



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

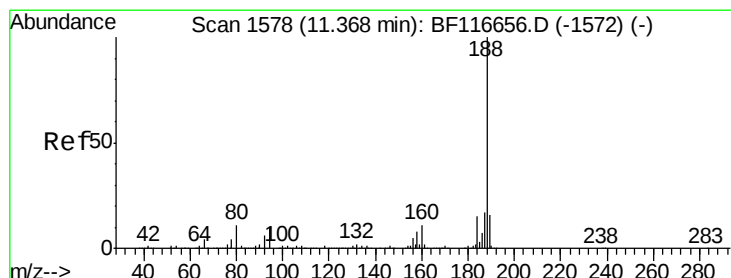
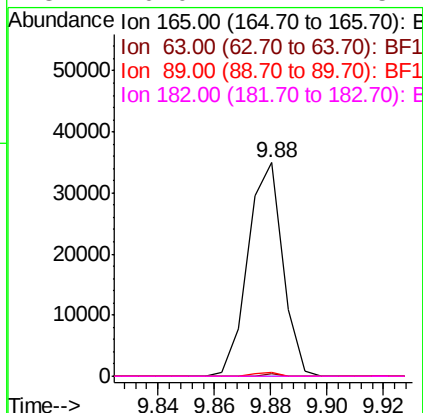
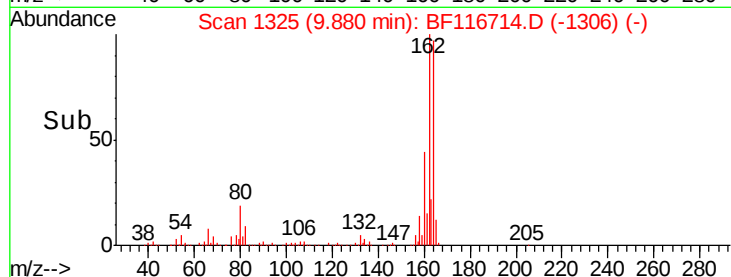
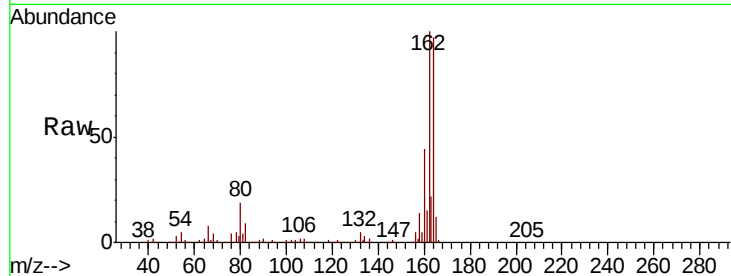




#57
 2,4-Dinitrotoluene
 Concen: 7.827 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.19 min
 Lab File: BF116714.D
 Acq: 31 Aug 2019 23:59

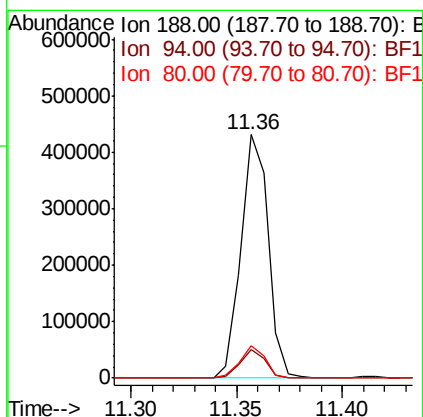
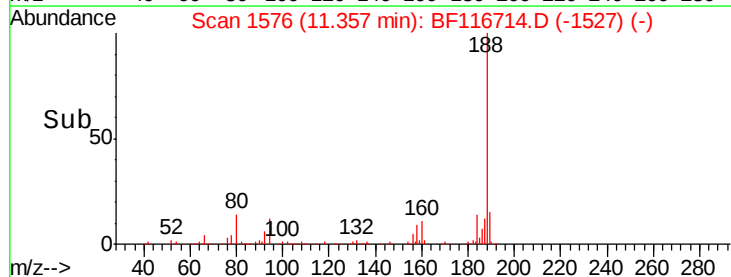
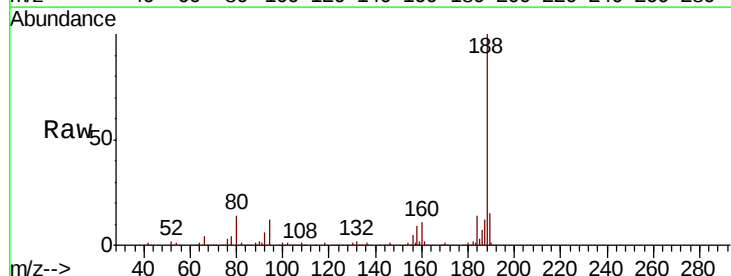
Instrument :
 BNA_F
 ClientSampleId :
 T9-12-13-M-(0-1.9)

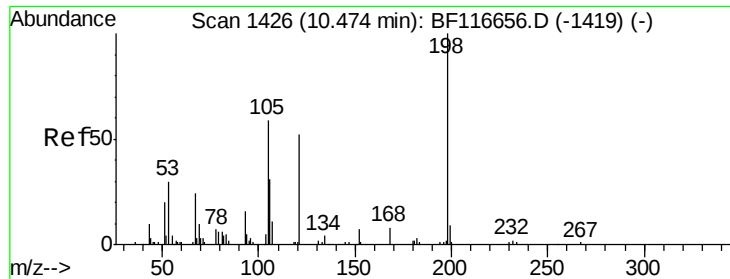
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	2.0	62.6	94.0#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF116714.D
 Acq: 31 Aug 2019 23:59

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.7	7.3	10.9#
80	13.5	8.4	12.6#

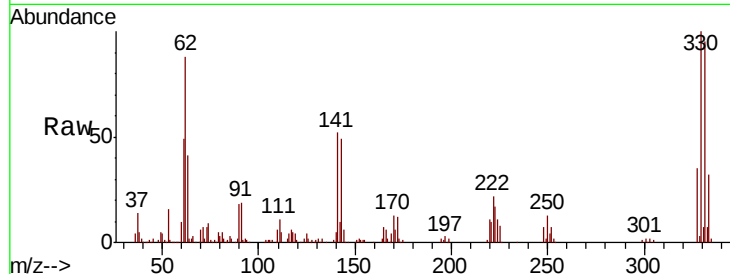




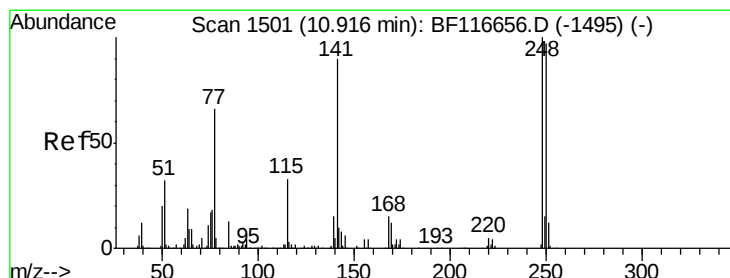
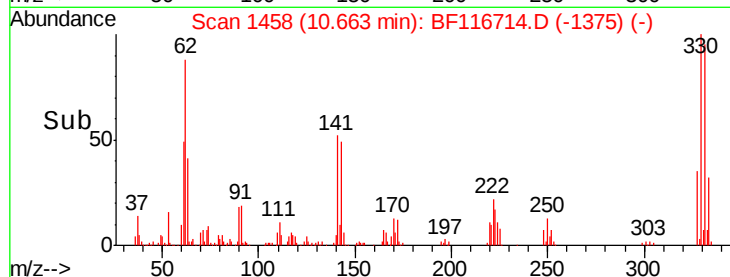
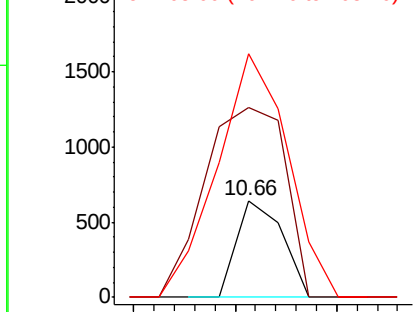
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.690 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. 0.19 min
 Lab File: BF116714.D
 Acq: 31 Aug 2019 23:59

Instrument :
 BNA_F
 ClientSampleId :
 T9-12-13-M-(0-1.9)

Tot Ion:198 Resp: 401
 Ion Ratio Lower Upper
 198 100
 51 196.6 18.4 58.4#
 105 251.4 22.9 62.9#

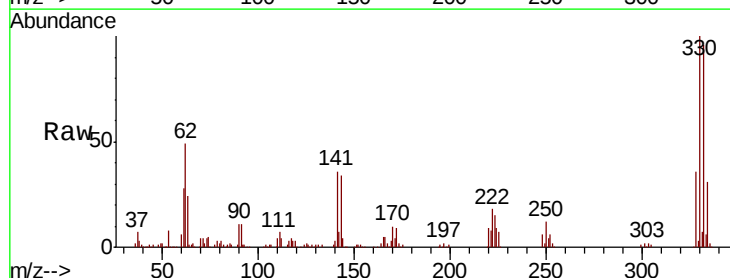


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

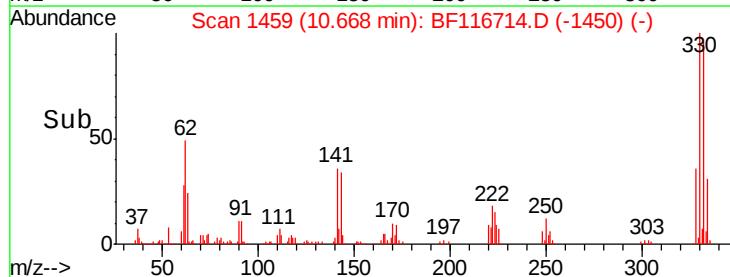
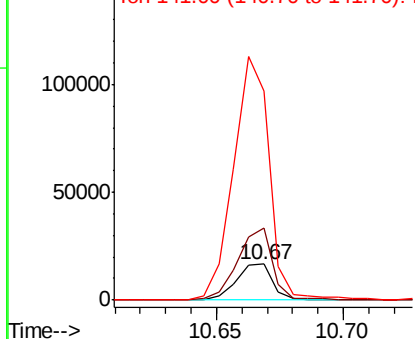


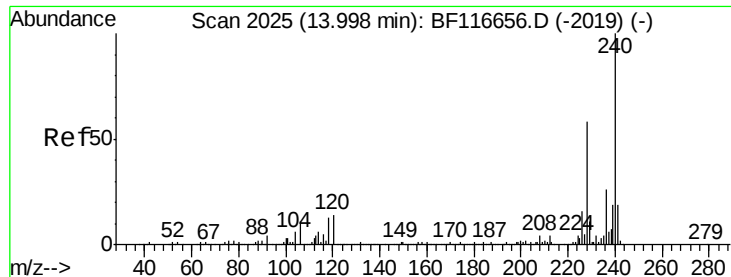
#67
 4-Bromophenyl-phenylether
 Concen: 4.202 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.25 min
 Lab File: BF116714.D
 Acq: 31 Aug 2019 23:59

Tgt Ion:248 Resp: 16463
 Ion Ratio Lower Upper
 248 100
 250 200.8 77.8 116.8#
 141 585.5 75.9 113.9#



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

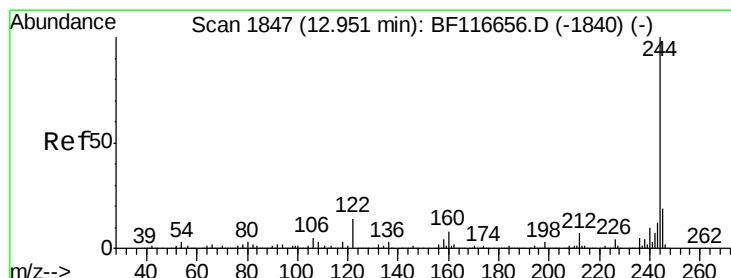
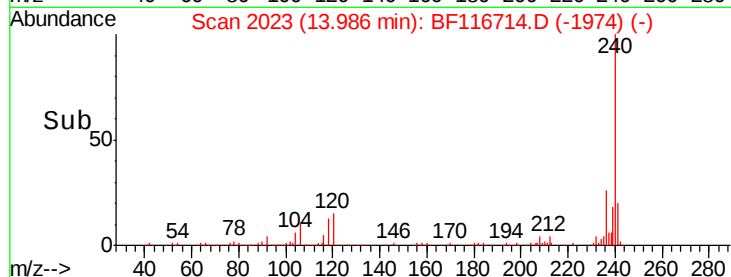
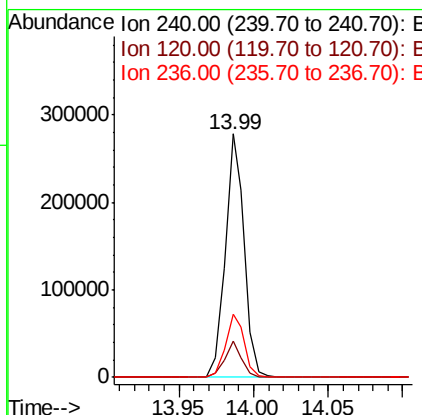
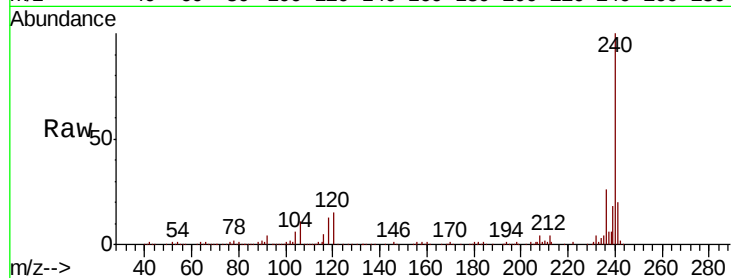




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF116714.D
 Acq: 31 Aug 2019 23:59

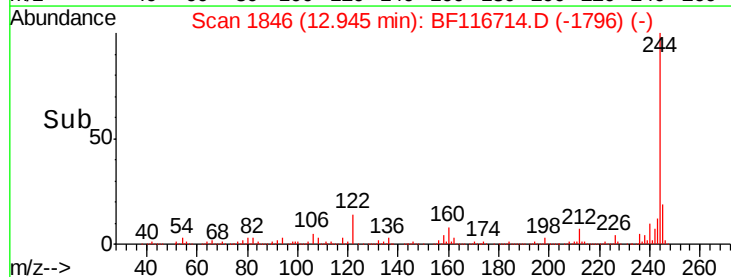
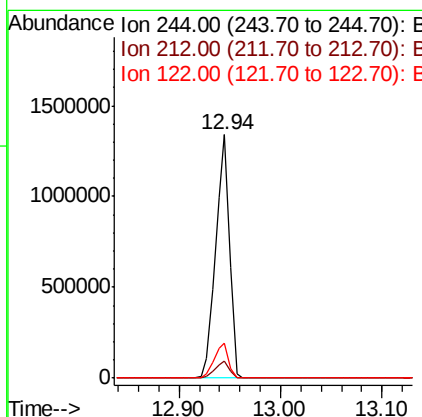
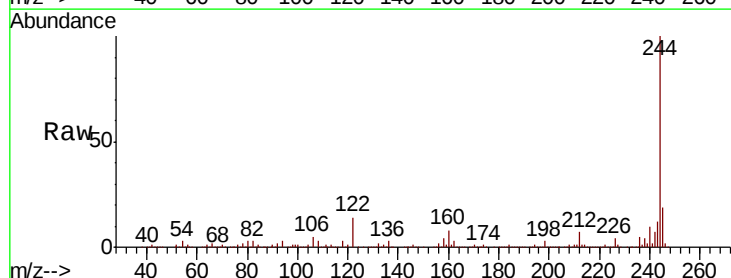
Instrument :
 BNA_F
 ClientSampleId :
 T9-12-13-M-(0-1.9)

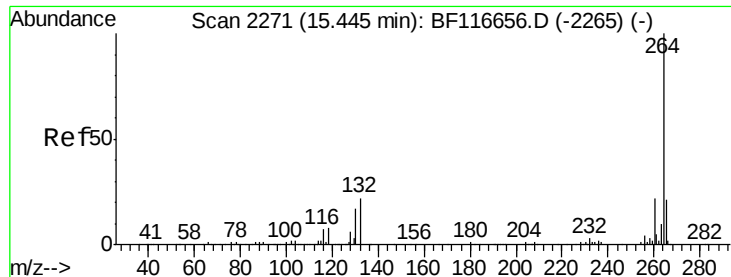
Tot Ion	Ratio	Lower	Upper
240	100		
120	14.8	9.1	13.7#
236	26.1	21.1	31.7



#79
 Terphenyl-d14
 Concen: 94.427 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF116714.D
 Acq: 31 Aug 2019 23:59

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.1	9.1
122	14.3	10.2	15.4





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: BF116714.D
 Acq: 31 Aug 2019 23:59

Instrument :
 BNA_F
 ClientSampleId :
 T9-12-13-M-(0-1.9)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.3	27.5
265	21.4	16.5	24.7

