

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091819\
 Data File : BF117145.D
 Acq On : 18 Sep 2019 13:52
 Operator : HP/JU
 Sample : PB123116BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 19 05:12:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	80417	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	310151	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	162347	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	271023	20.00	ng	0.00
76) Chrysene-d12	13.97	240	174752	20.00	ng	0.00
87) Perylene-d12	15.42	264	136987	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	733468	142.40	ng	0.02
7) Phenol-d6	6.47	99	982772	147.64	ng	0.01
23) Nitrobenzene-d5	7.39	82	628759	106.52	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	216128	159.29	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1120025	107.87	ng	0.00
79) Terphenyl-d14	12.92	244	1089200	116.51	ng	0.00

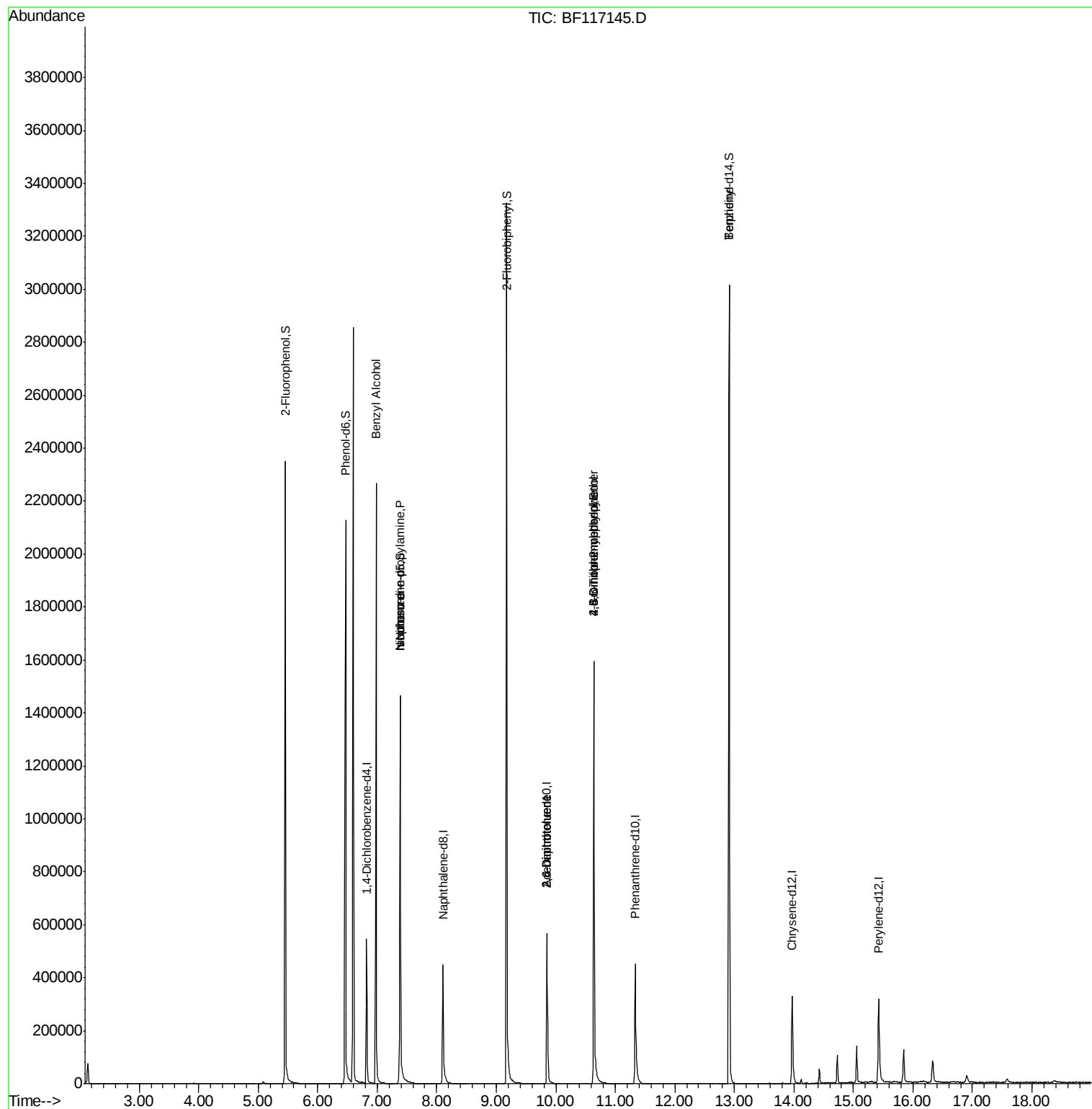
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.47	77	1335	Below Cal		# 1
15) Benzyl Alcohol	6.98	79	10369	2.031	ng	# 45
19) n-Nitroso-di-n-propylamine	7.39	70	83181	20.521	ng	# 77
25) Isophorone	7.39	82	628756	60.159	ng	# 66
51) 2,6-Dinitrotoluene	9.85	165	20312	8.676	ng	# 24
57) 2,4-Dinitrotoluene	9.85	165	20313	6.684	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.64	198	361	7.153	ng	# 1
67) 4-Bromophenyl-phenylether	10.64	248	13201	4.769	ng	# 1
77) Benzidine	12.92	184	15325	2.722	ng	97

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

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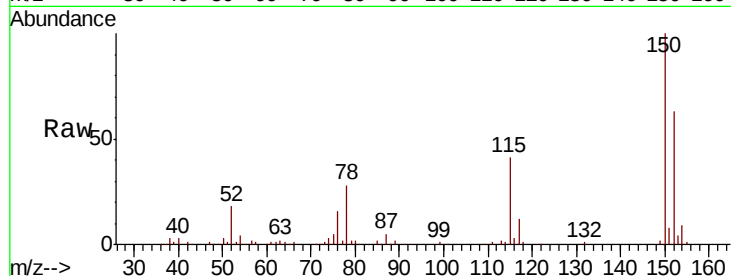


#1

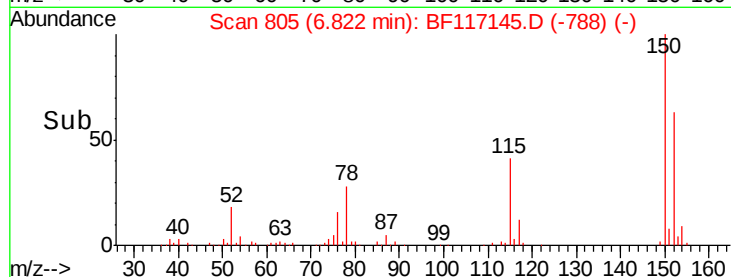
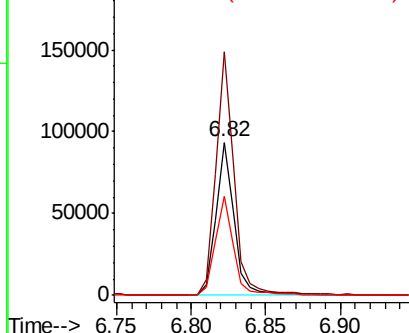
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117145.D
Acq: 18 Sep 2019 13:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 80417
Ion Ratio Lower Upper
152 100
150 158.9 127.5 191.3
115 64.7 55.0 82.4



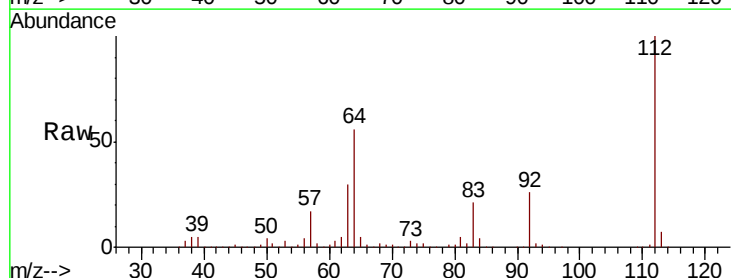
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



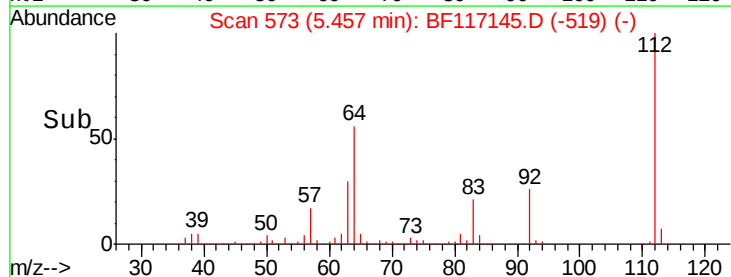
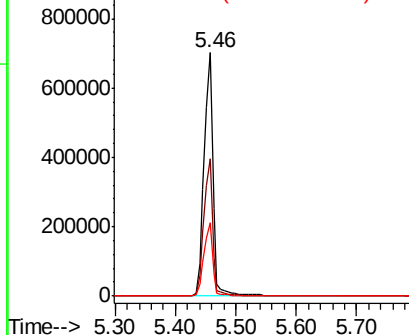
#5

2-Fluorophenol
Concen: 142.398 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.02 min
Lab File: BF117145.D
Acq: 18 Sep 2019 13:52

Tgt Ion:112 Resp: 733468
Ion Ratio Lower Upper
112 100
64 56.4 45.7 68.5
63 30.1 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: 147.636 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF117145.D

Acq: 18 Sep 2019 13:52

Instrument :

BNA_F

ClientSampled :

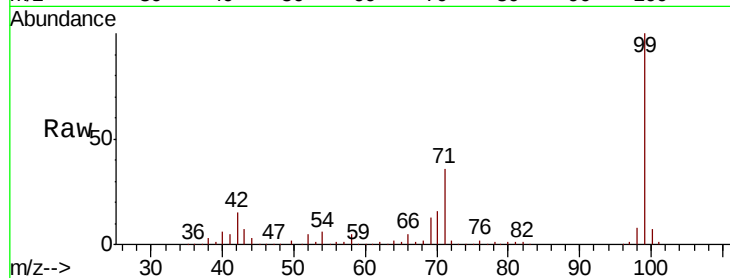
Tot Ion: 99 Resp: 982772

Ion Ratio Lower Upper

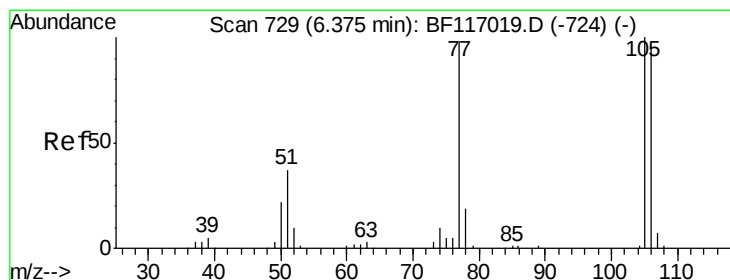
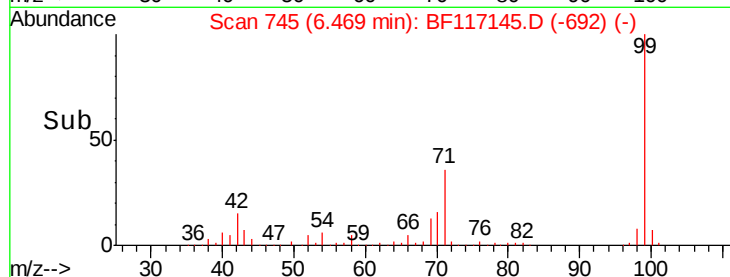
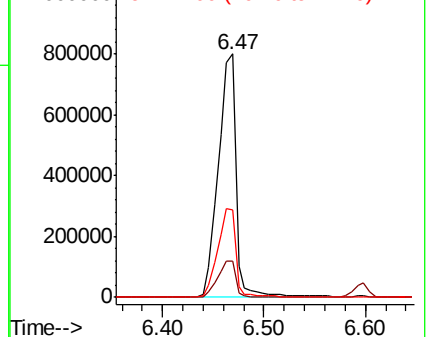
99 100

42 14.9 12.2 18.2

71 36.0 29.8 44.8



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



#9

Benzaldehyde

Concen: Below Cal

RT: 6.47 min Scan# 745

Delta R.T. 0.09 min

Lab File: BF117145.D

Acq: 18 Sep 2019 13:52

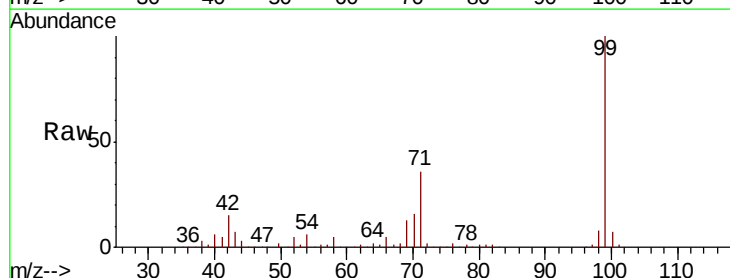
Tgt Ion: 77 Resp: 1335

Ion Ratio Lower Upper

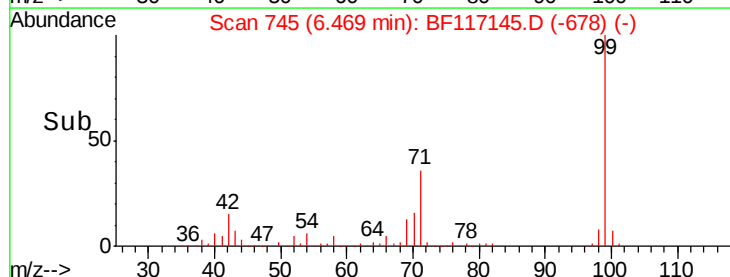
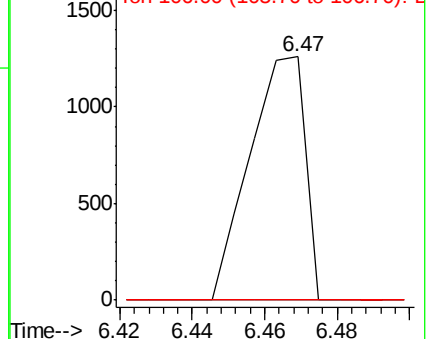
77 100

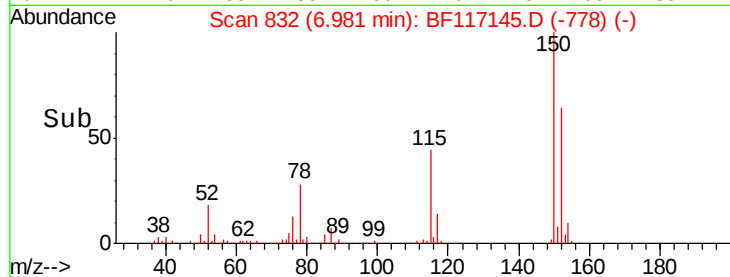
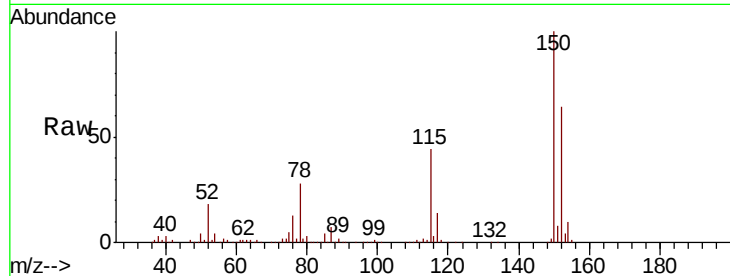
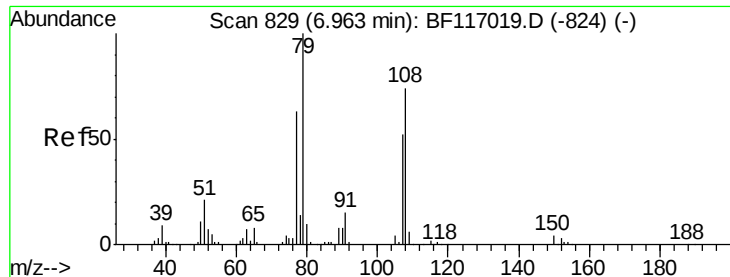
105 0.0 81.8 121.8#

106 0.0 77.3 117.3#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.031 ng

RT: 6.98 min Scan# 832

Delta R.T. 0.02 min

Lab File: BF117145.D

Acq: 18 Sep 2019 13:52

Instrument :

BNA_F

ClientSampleId :

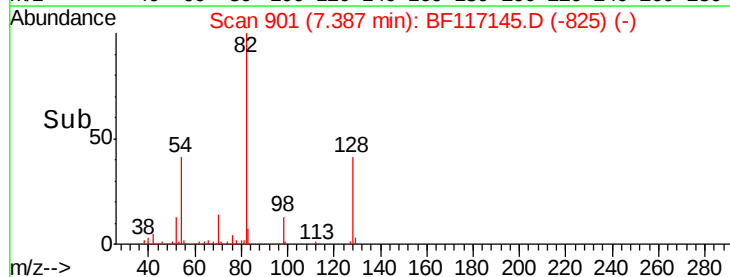
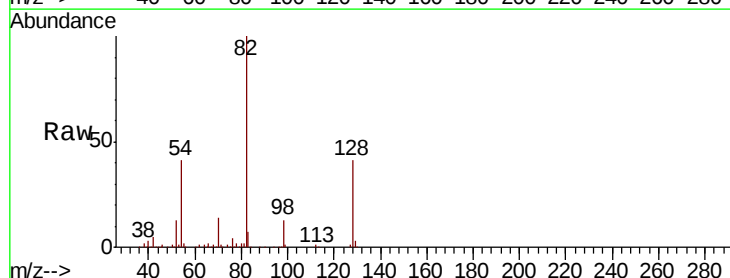
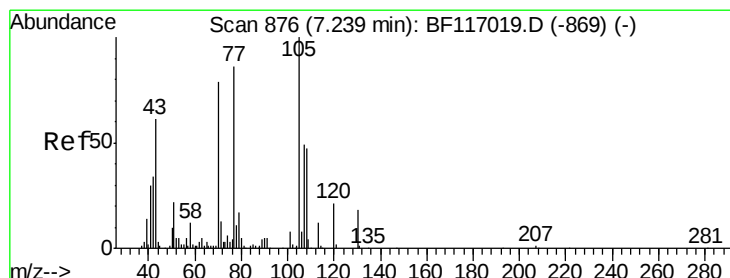
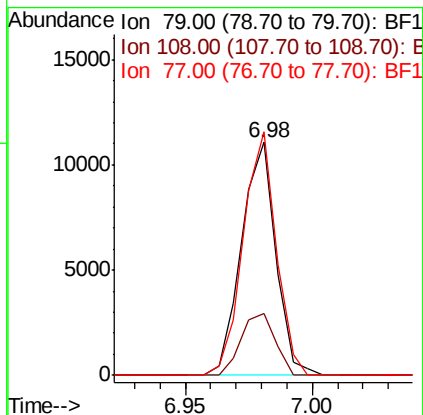
Tot Ion: 79 Resp: 10369

Ion Ratio Lower Upper

79 100

108 26.3 59.4 89.0#

77 104.5 50.2 75.2#



#19

n-Nitroso-di-n-propylamine

Concen: 20.521 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.15 min

Lab File: BF117145.D

Acq: 18 Sep 2019 13:52

Tgt Ion: 70 Resp: 83181

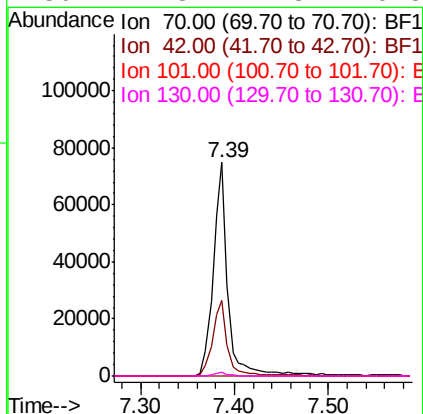
Ion Ratio Lower Upper

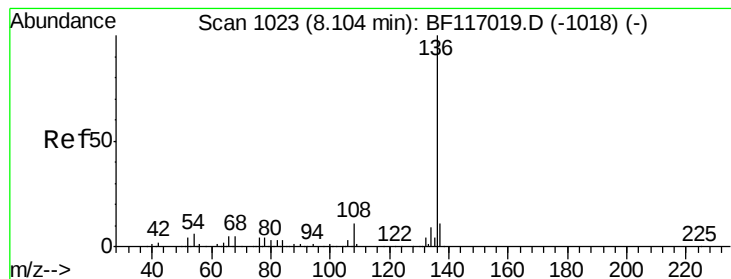
70 100

42 35.2 34.0 51.0

101 0.0 7.8 11.6#

130 1.8 17.8 26.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1023

Delta R.T. 0.00 min

Lab File: BF117145.D

Acq: 18 Sep 2019 13:52

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 310151

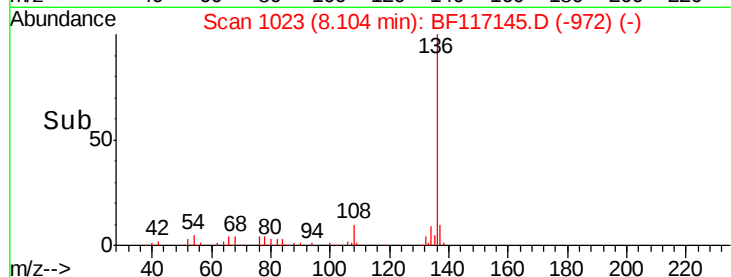
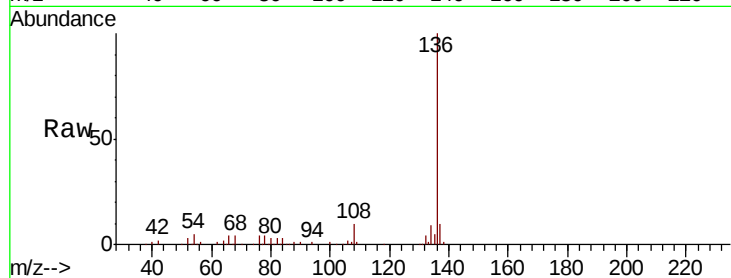
Ion Ratio Lower Upper

136 100

137 10.3 9.0 13.4

54 5.1 4.5 6.7

68 4.2 4.0 6.0

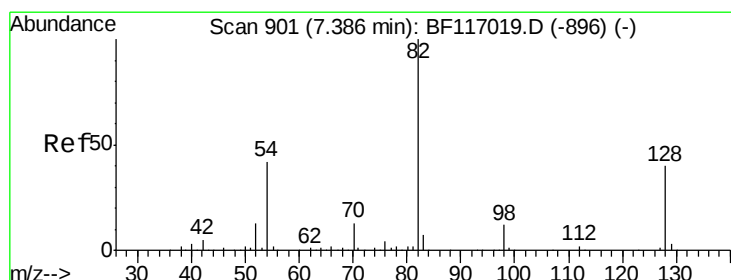
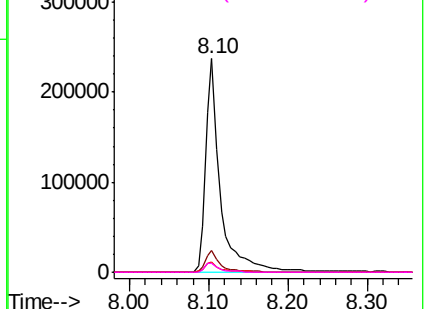


Abundance Ion 136.00 (135.70 to 136.70): E

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: 106.518 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.00 min

Lab File: BF117145.D

Acq: 18 Sep 2019 13:52

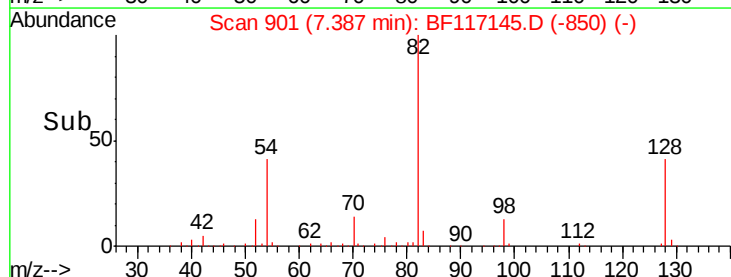
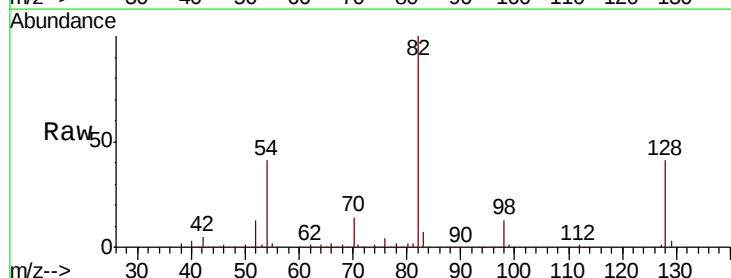
Tgt Ion: 82 Resp: 628759

Ion Ratio Lower Upper

82 100

128 41.2 32.3 48.5

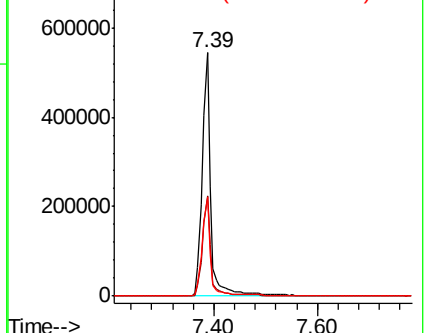
54 40.9 33.3 49.9

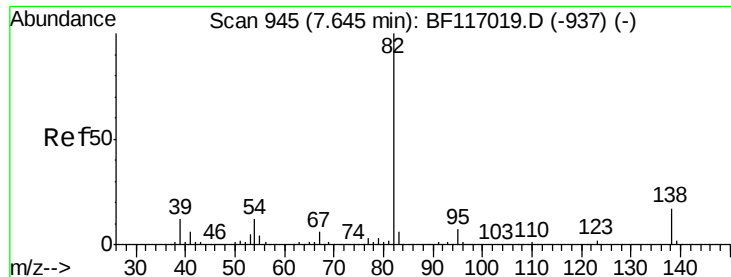


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 60.159 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.26 min

Lab File: BF117145.D

Acq: 18 Sep 2019 13:52

Instrument :

BNA_F

ClientSampleId :

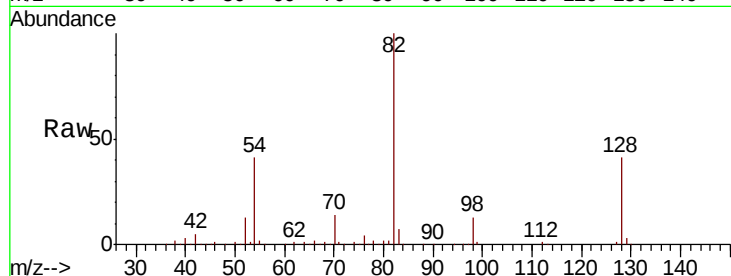
Tot Ion: 82 Resp: 628756

Ion Ratio Lower Upper

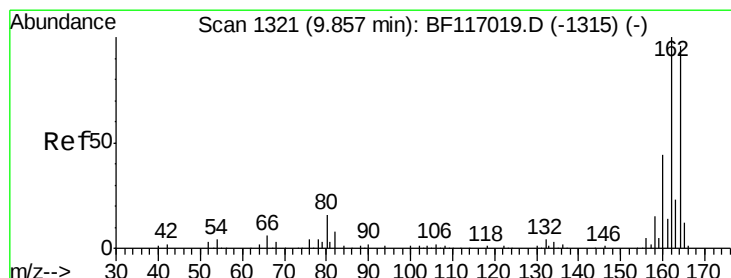
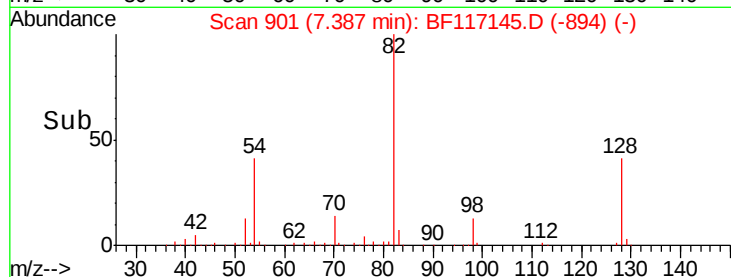
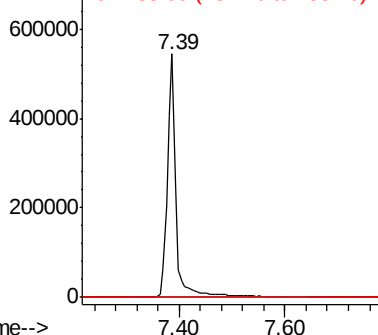
82 100

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: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF117145.D

Acq: 18 Sep 2019 13:52

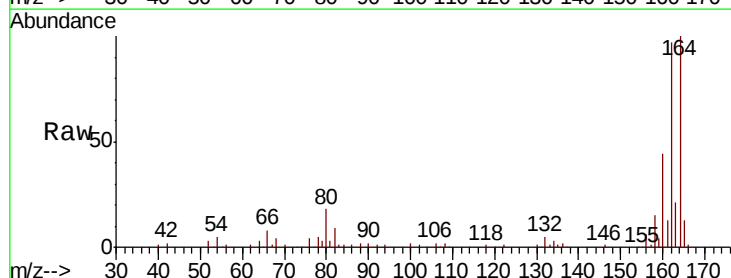
Tgt Ion: 164 Resp: 162347

Ion Ratio Lower Upper

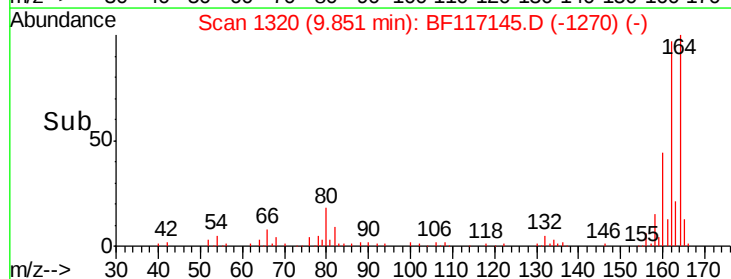
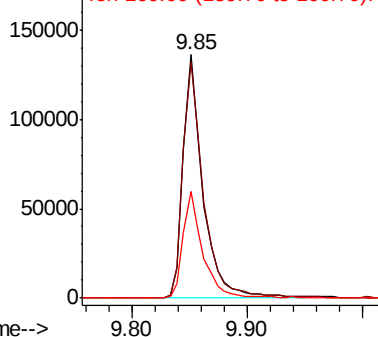
164 100

162 97.0 83.4 125.2

160 43.9 36.4 54.6



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: 159.287 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF117145.D

Acq: 18 Sep 2019 13:52

Instrument :

BNA_F

ClientSampled :

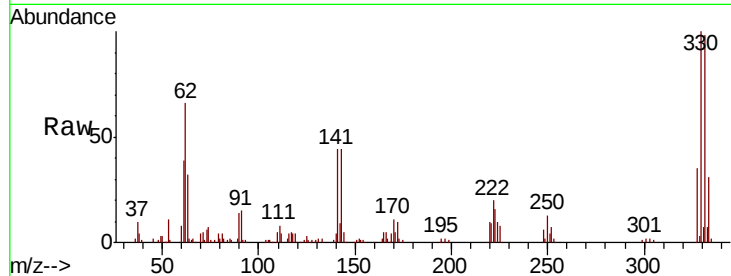
Tot Ion:330 Resp: 216128

Ion Ratio Lower Upper

330 100

332 94.1 78.0 117.0

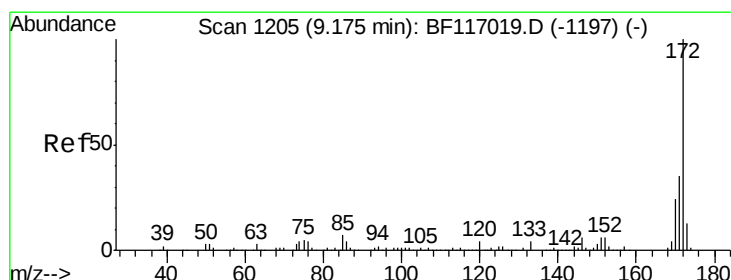
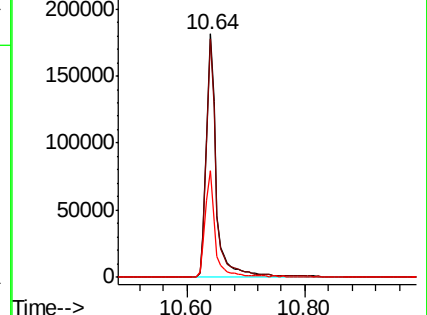
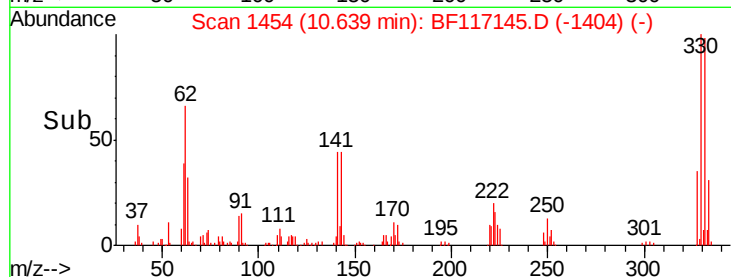
141 42.7 35.8 53.6



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: 107.870 ng

RT: 9.17 min Scan# 1205

Delta R.T. 0.00 min

Lab File: BF117145.D

Acq: 18 Sep 2019 13:52

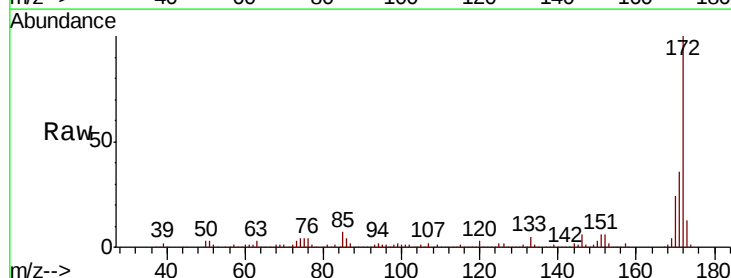
Tgt Ion:172 Resp: 1120025

Ion Ratio Lower Upper

172 100

171 35.6 28.2 42.2

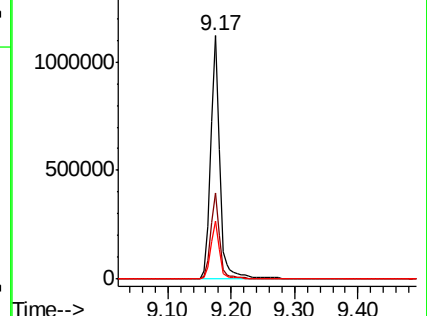
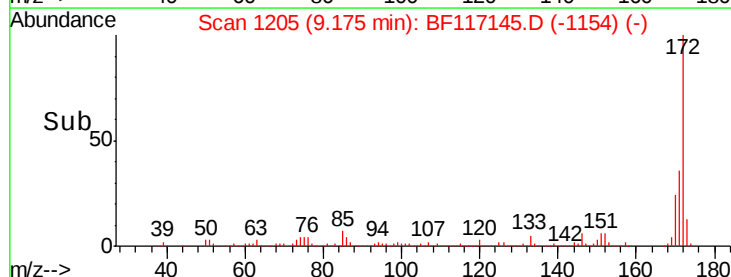
170 23.7 18.9 28.3



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

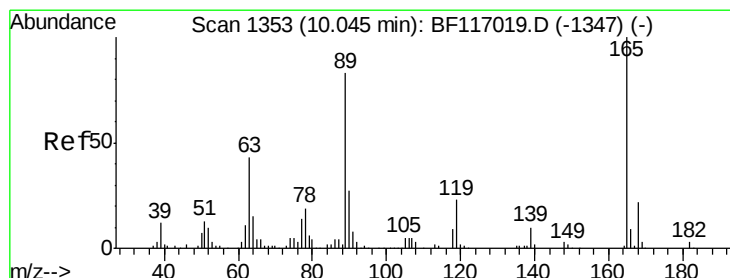
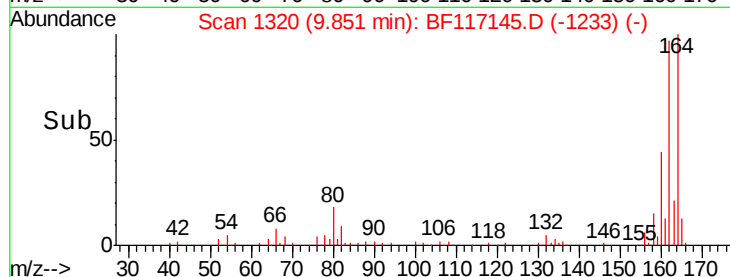
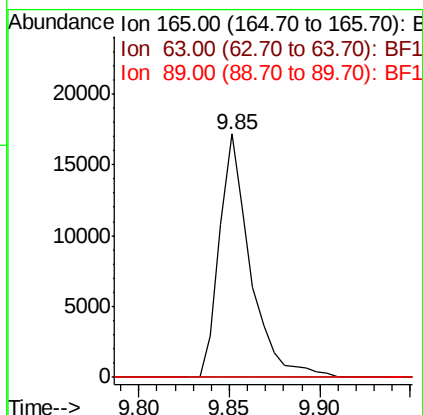
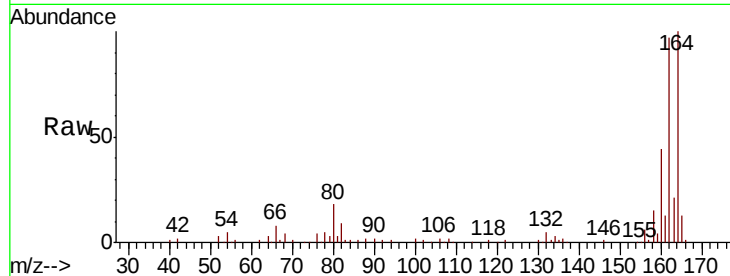




#51
 2,6-Dinitrotoluene
 Concen: 8.676 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.21 min
 Lab File: BF117145.D
 Acq: 18 Sep 2019 13:52

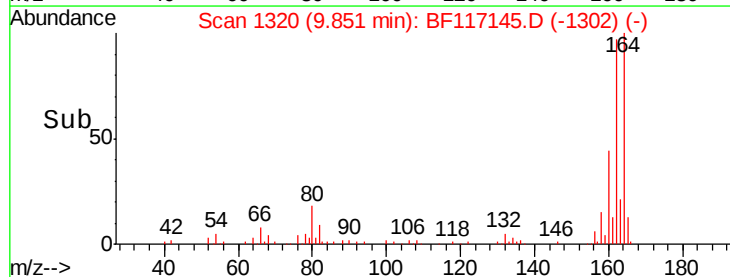
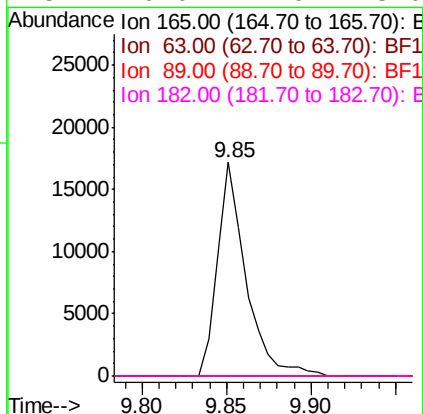
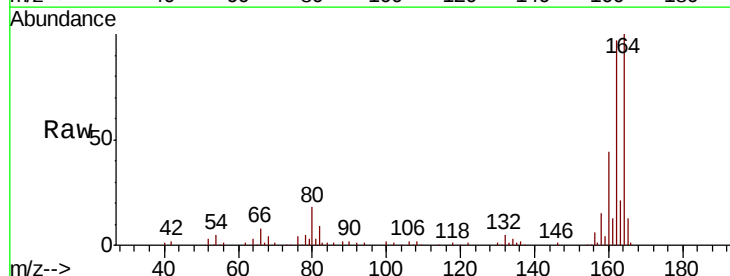
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.8	62.8#
89	0.0	46.5	69.7#



#57
 2,4-Dinitrotoluene
 Concen: 6.684 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF117145.D
 Acq: 18 Sep 2019 13:52

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	35.0	52.4#
89	0.0	66.1	99.1#
182	0.0	2.0	3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. 0.00 min

Lab File: BF117145.D

Acq: 18 Sep 2019 13:52

Instrument :

BNA_F

ClientSampled :

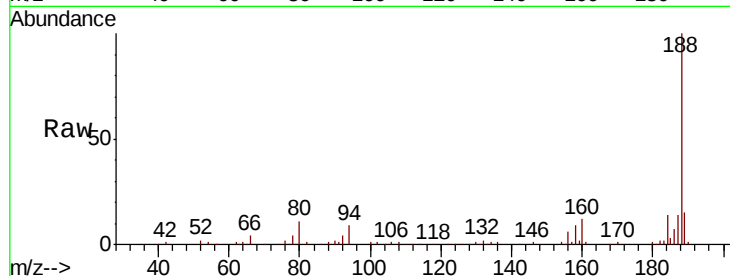
Tot Ion:188 Resp: 271023

Ion Ratio Lower Upper

188 100

94 9.4 8.2 12.2

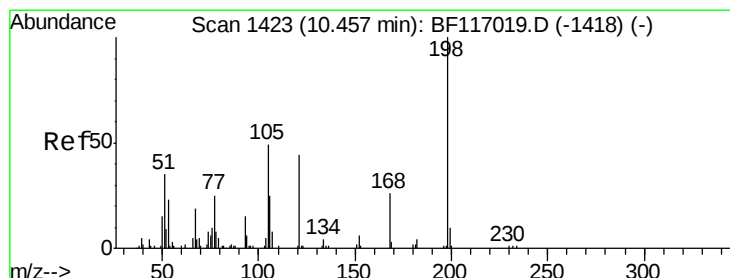
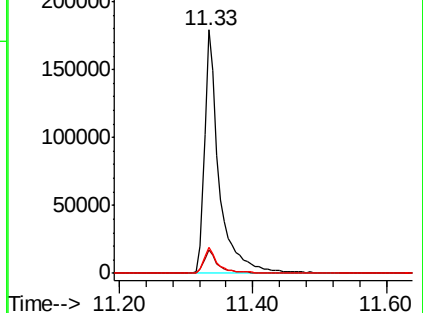
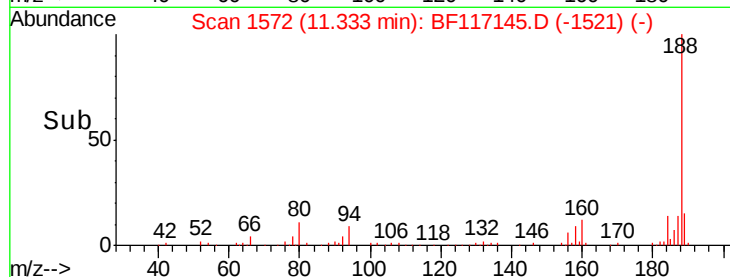
80 10.8 9.0 13.6



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: 7.153 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.18 min

Lab File: BF117145.D

Acq: 18 Sep 2019 13:52

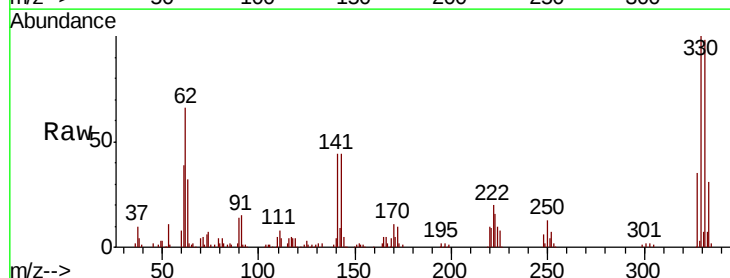
Tgt Ion:198 Resp: 361

Ion Ratio Lower Upper

198 100

51 224.8 18.7 58.7#

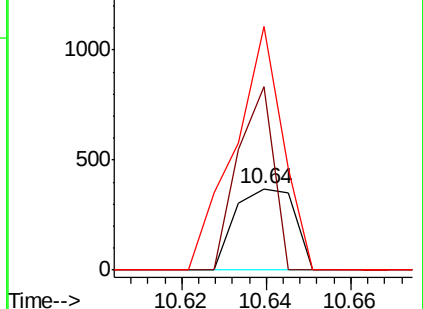
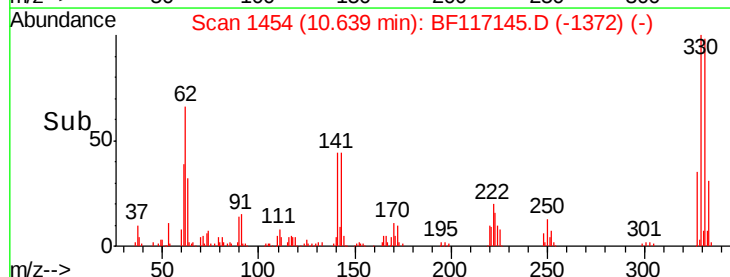
105 298.1 30.2 70.2#



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

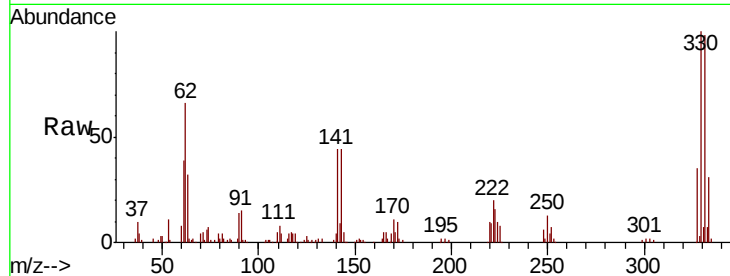




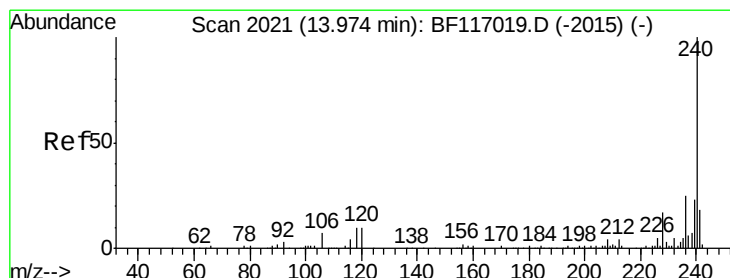
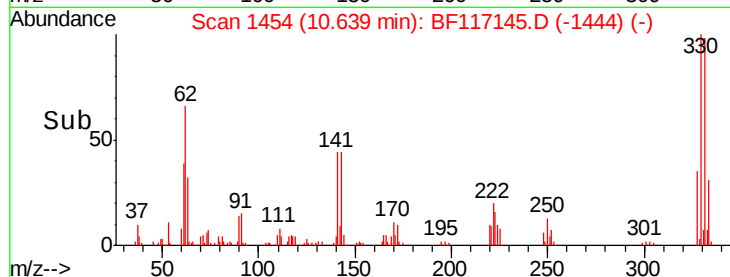
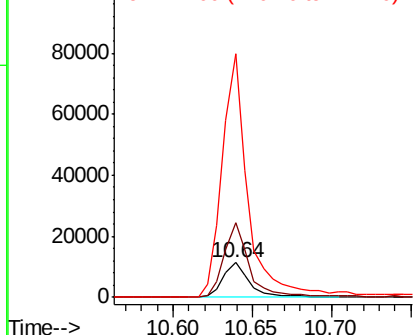
#67
 4-Bromophenyl-phenylether
 Concen: 4.769 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF117145.D
 Acq: 18 Sep 2019 13:52

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 13201
 Ion Ratio Lower Upper
 248 100
 250 213.6 76.2 114.4#
 141 697.2 75.0 112.4#

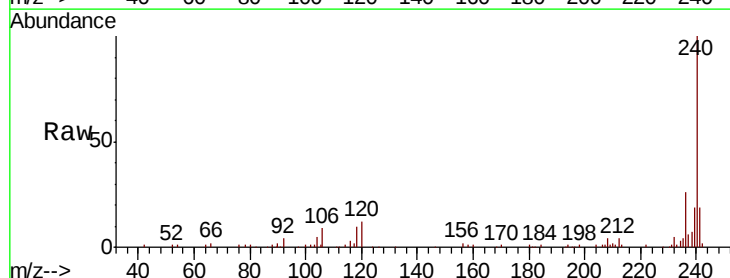


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

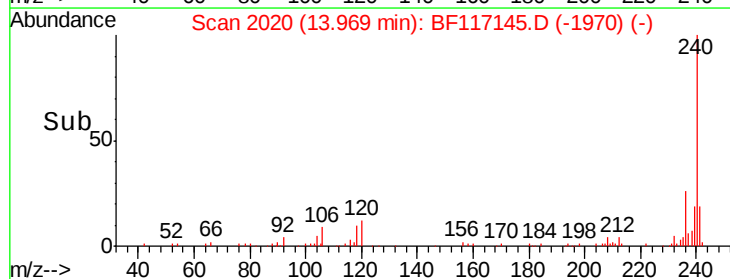
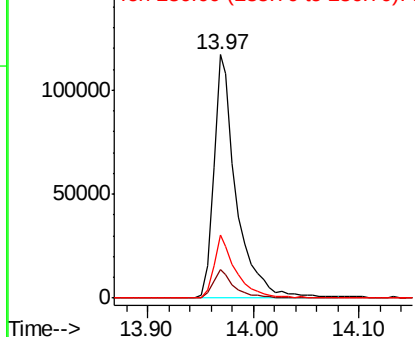


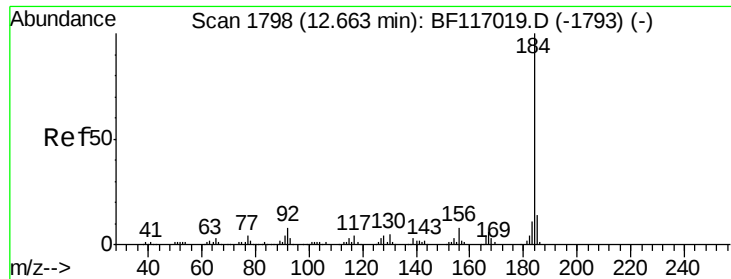
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF117145.D
 Acq: 18 Sep 2019 13:52

Tgt Ion:240 Resp: 174752
 Ion Ratio Lower Upper
 240 100
 120 11.6 8.3 12.5
 236 26.2 20.3 30.5



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: 2.722 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.25 min

Lab File: BF117145.D

Acq: 18 Sep 2019 13:52

Instrument :

BNA_F

ClientSampleId :

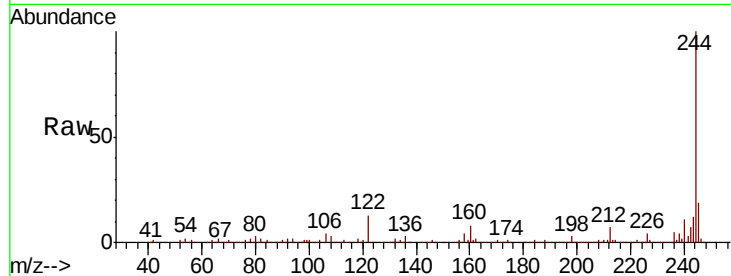
Tot Ion:184 Resp: 15325

Ion Ratio Lower Upper

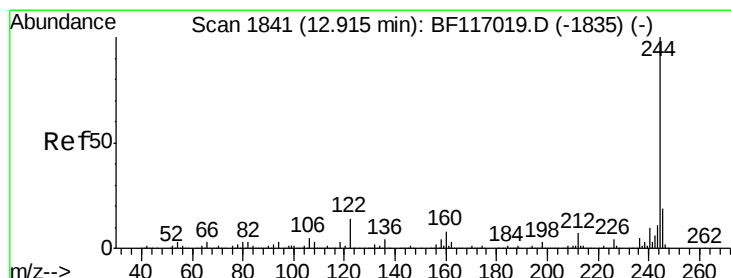
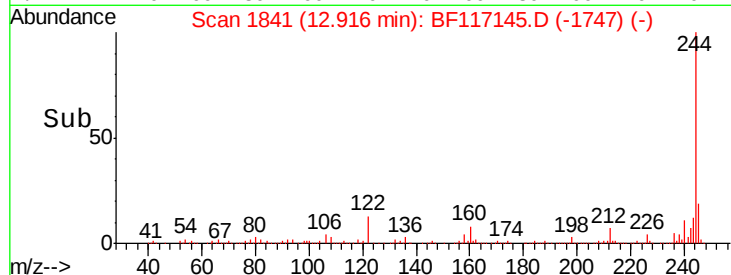
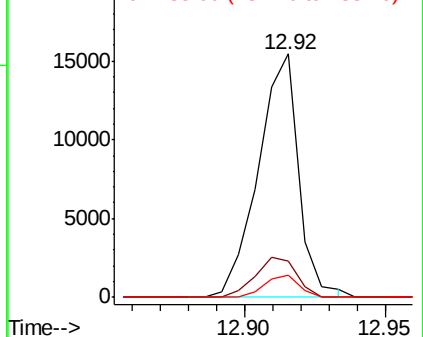
184 100

185 15.0 11.6 17.4

183 9.0 9.0 13.4



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



#79

Terphenyl-d14

Concen: 116.506 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.00 min

Lab File: BF117145.D

Acq: 18 Sep 2019 13:52

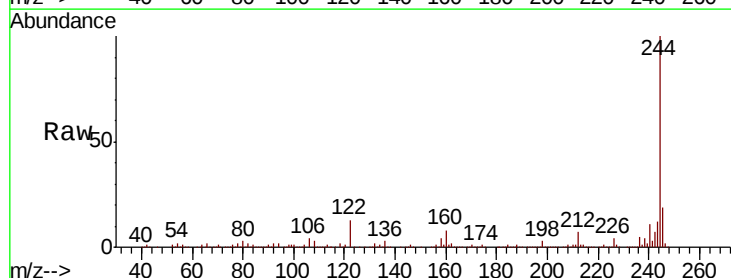
Tgt Ion:244 Resp: 1089200

Ion Ratio Lower Upper

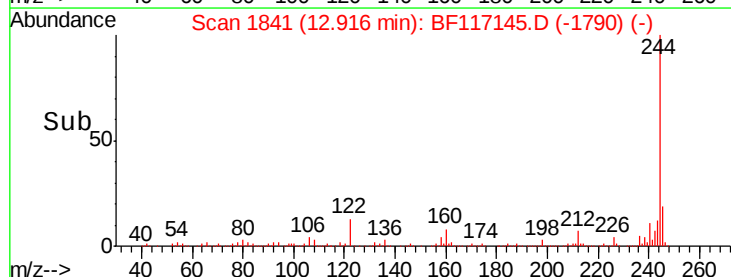
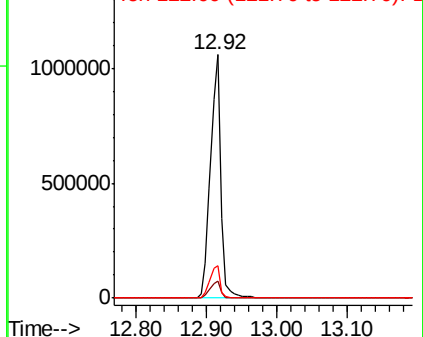
244 100

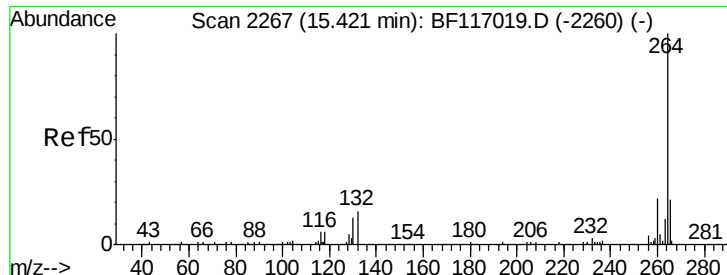
212 7.1 5.8 8.8

122 13.3 11.3 16.9



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





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. 0.00 min
Lab File: BF117145.D
Acq: 18 Sep 2019 13:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.5	17.6	26.4
265	19.0	16.6	24.8

