

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091719\
 Data File : BF117113.D
 Acq On : 17 Sep 2019 18:11
 Operator : HP/JU
 Sample : K4873-07
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 18 03:51:53 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

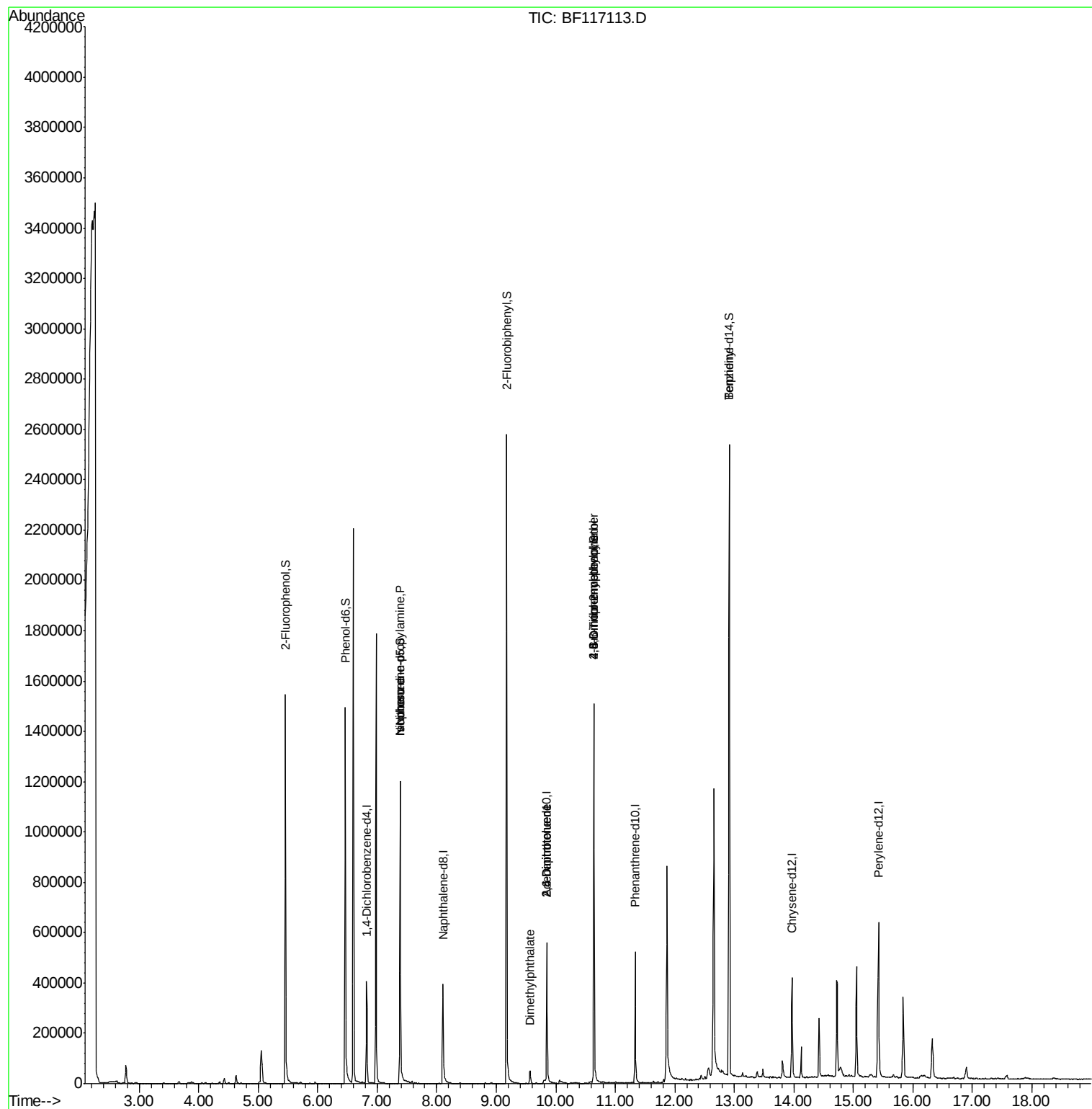
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	60359	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	239147	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	120919	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	199631	20.00	ng	0.00
76) Chrysene-d12	13.97	240	144895	20.00	ng	0.00
87) Perylene-d12	15.42	264	128579	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	504090	130.39	ng	0.02
7) Phenol-d6	6.46	99	614608	123.01	ng	0.00
23) Nitrobenzene-d5	7.39	82	465963	102.38	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	170646	168.86	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	814726	105.35	ng	0.00
79) Terphenyl-d14	12.92	244	826975	106.68	ng	0.00
Target Compounds						
9) Benzaldehyde	6.47	77	772	Below Cal		Qvalue # 1
19) n-Nitroso-di-n-propylamine	7.39	70	62167	20.433	ng	# 80
25) Isophorone	7.39	82	465959	57.820	ng	# 66
50) Dimethylphthalate	9.57	163	27030	3.157	ng	# 99
51) 2,6-Dinitrotoluene	9.85	165	14934	8.564	ng	# 25
57) 2,4-Dinitrotoluene	9.85	165	14934	6.598	ng	# 20
65) 4,6-Dinitro-2-methylphenol	10.64	198	312	7.196	ng	# 1
67) 4-Bromophenyl-phenylether	10.64	248	11118	5.453	ng	# 1
77) Benzidine	12.92	184	12494	2.677	ng	# 90

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

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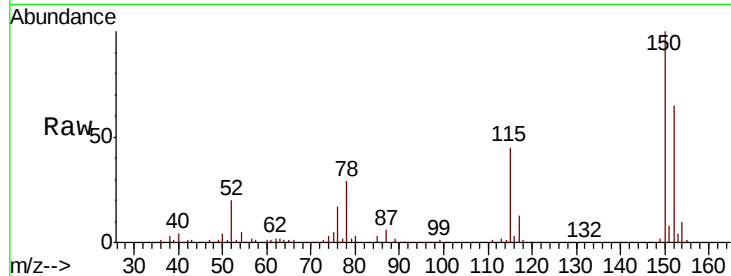


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.00 min
Lab File: BF117113.D
Acq: 17 Sep 2019 18:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	127.5	191.3
115	69.3	55.0	82.4

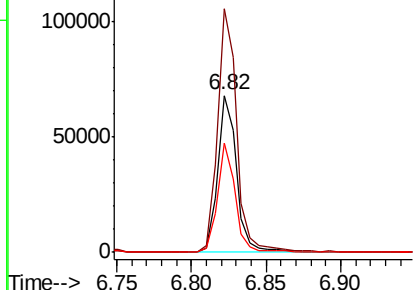
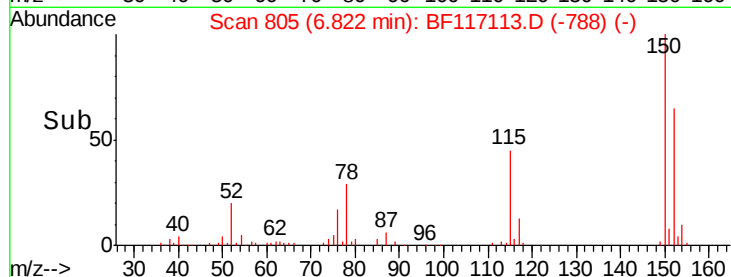


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

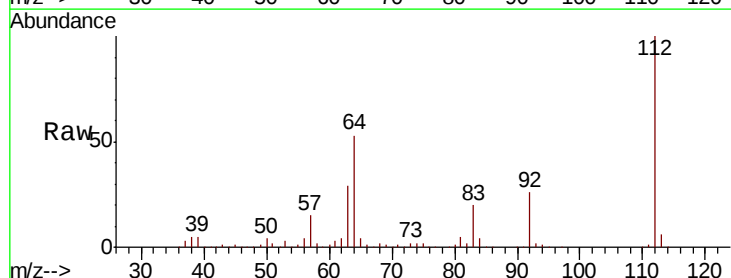
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 130.388 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.02 min
Lab File: BF117113.D
Acq: 17 Sep 2019 18:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.3	45.7	68.5
63	28.6	24.9	37.3

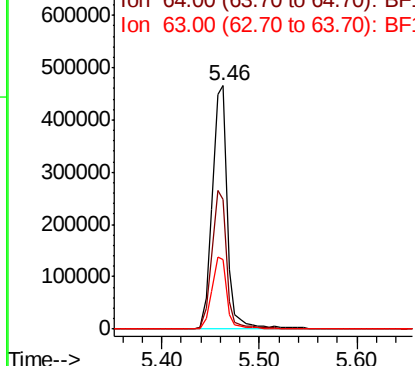
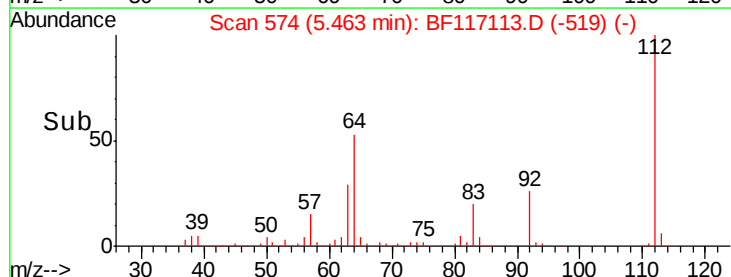


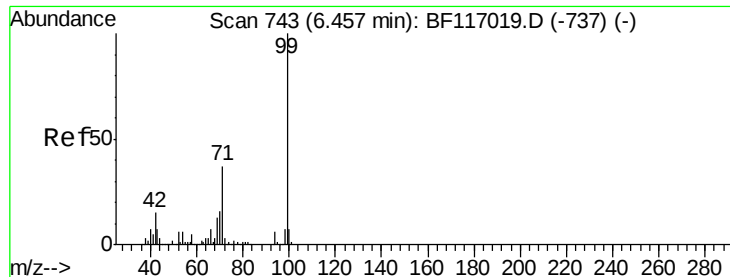
Abundance

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: 123.011 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF117113.D

Acq: 17 Sep 2019 18:11

Instrument :

BNA_F

ClientSampleId :

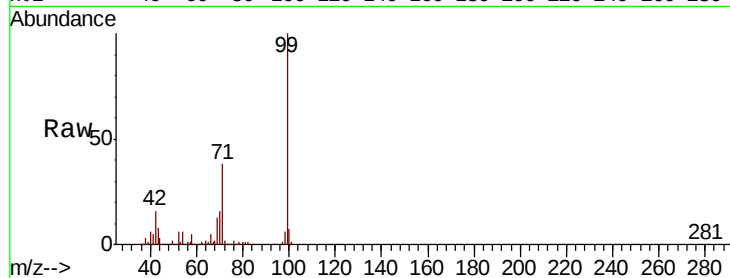
Tot Ion: 99 Resp: 614608

Ion Ratio Lower Upper

99 100

42 15.6 12.2 18.2

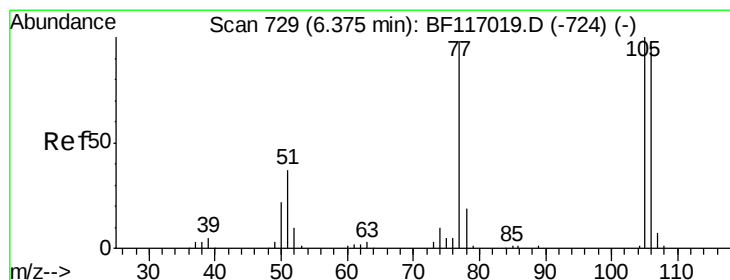
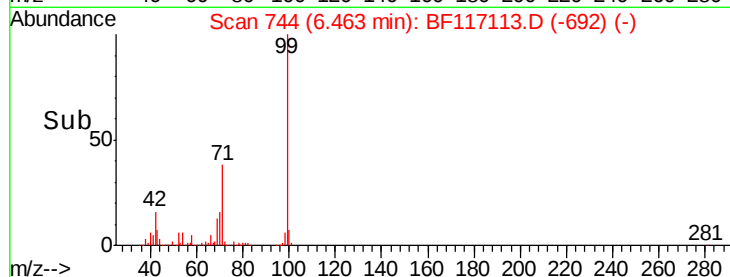
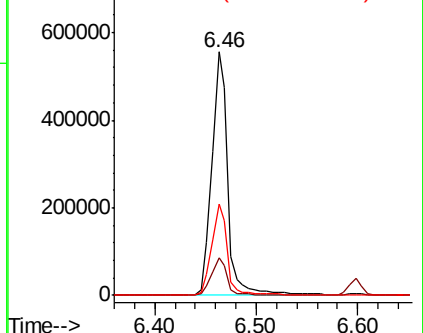
71 37.7 29.8 44.8



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: BF117113.D

Acq: 17 Sep 2019 18:11

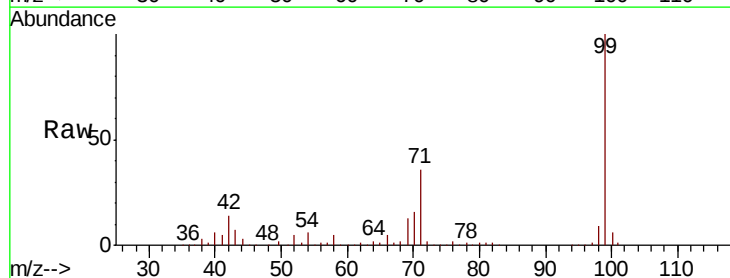
Tgt Ion: 77 Resp: 772

Ion Ratio Lower Upper

77 100

105 0.0 81.8 121.8#

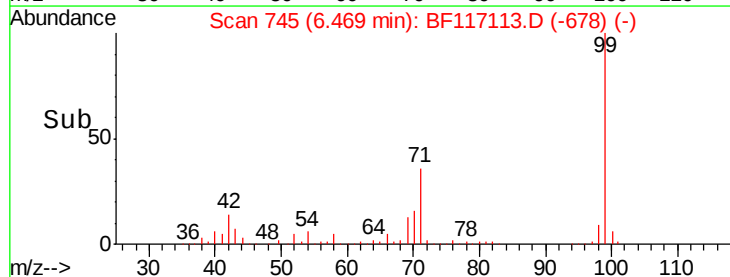
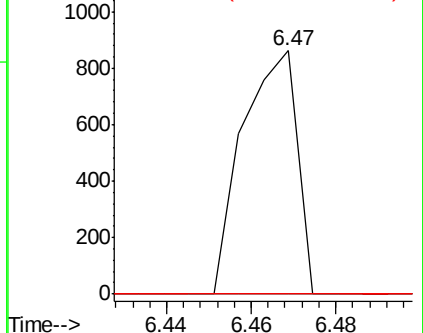
106 0.0 77.3 117.3#



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





#19

n-Nitroso-di-n-propylamine

Concen: 20.433 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.15 min

Lab File: BF117113.D

Acq: 17 Sep 2019 18:11

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 62167

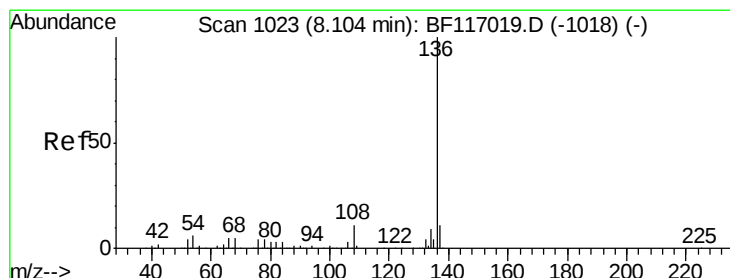
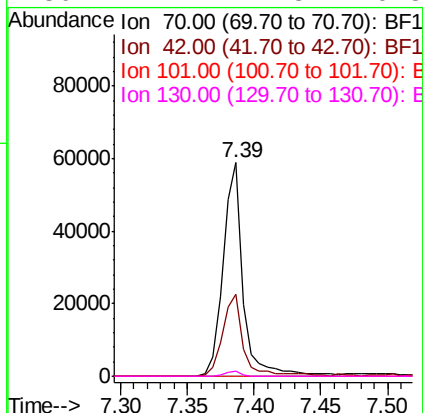
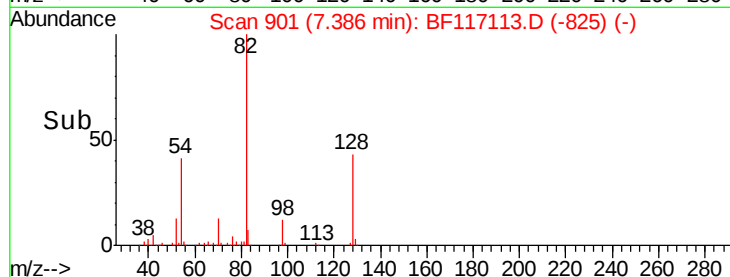
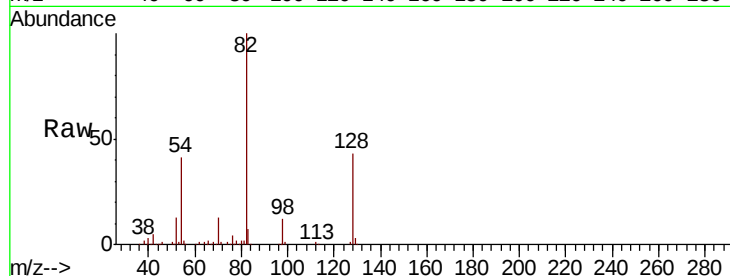
Ion Ratio Lower Upper

70 100

42 38.2 34.0 51.0

101 0.0 7.8 11.6#

130 2.2 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: BF117113.D

Acq: 17 Sep 2019 18:11

Tgt Ion: 136 Resp: 239147

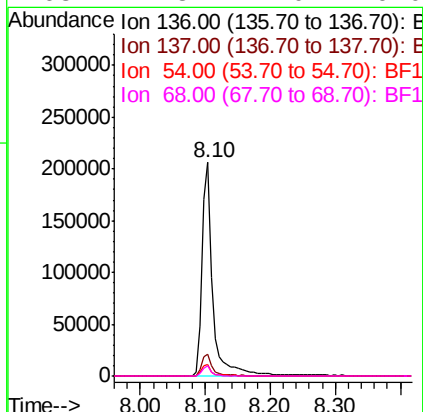
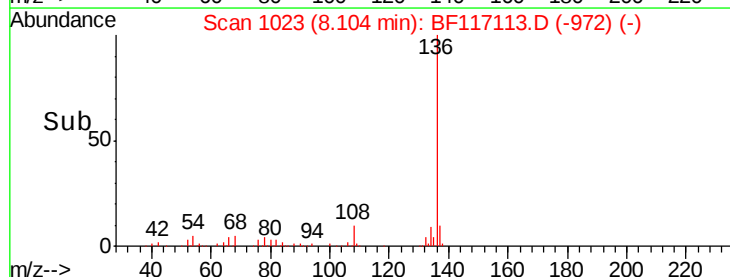
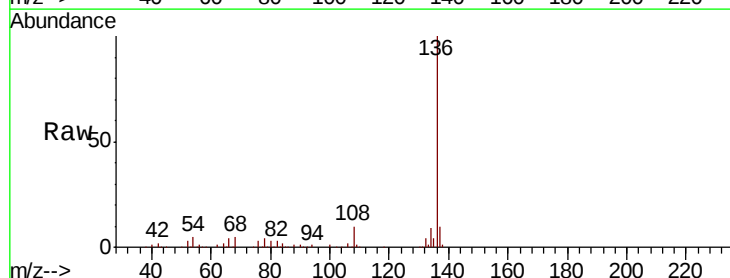
Ion Ratio Lower Upper

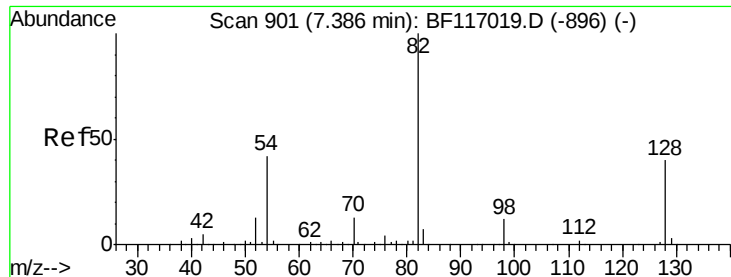
136 100

137 10.2 9.0 13.4

54 5.2 4.5 6.7

68 4.8 4.0 6.0

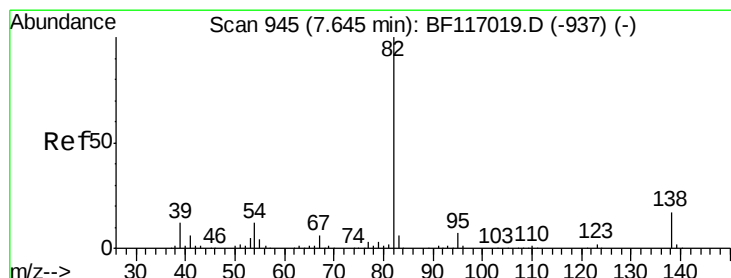
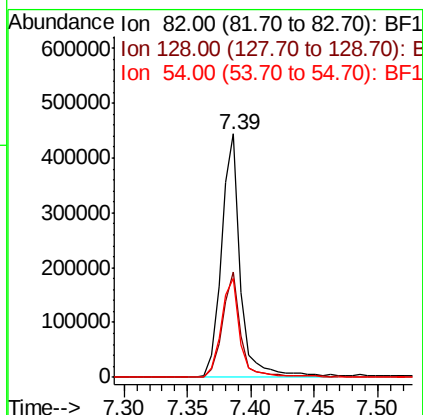
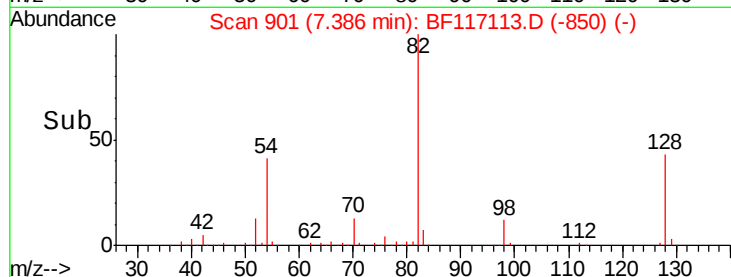
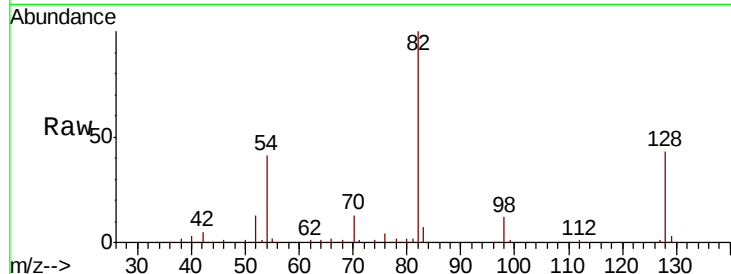




#23
Nitrobenzene-d5
Concen: 102.376 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.00 min
Lab File: BF117113.D
Acq: 17 Sep 2019 18:11

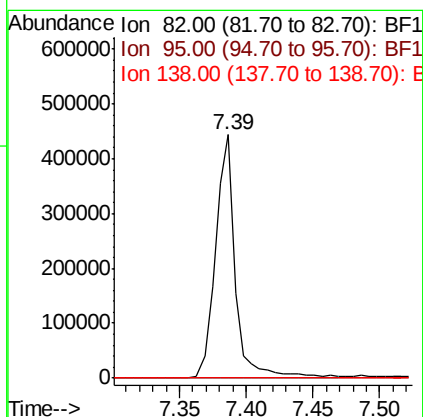
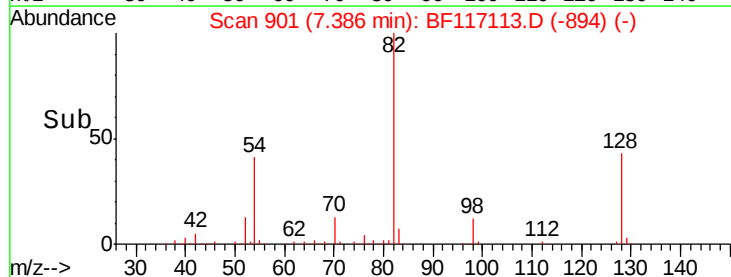
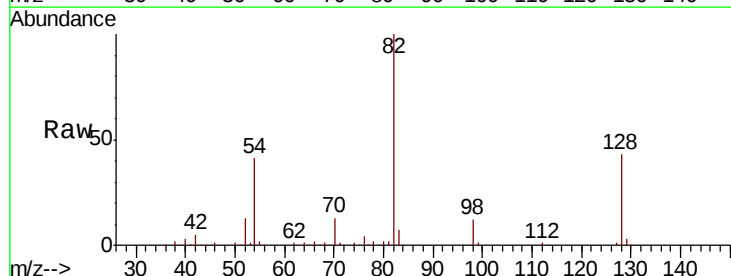
Instrument :
BNA_F
ClientSampled :

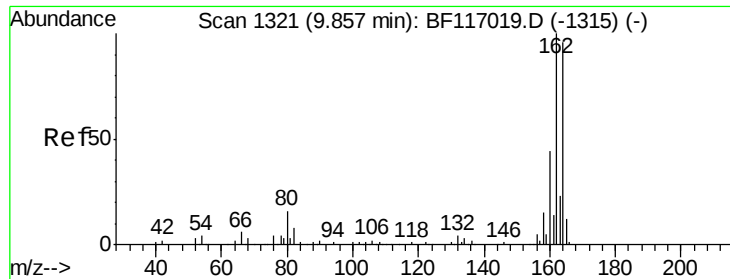
Tot Ion	82	Resp	465963
Ion Ratio	Lower	Upper	
82	100		
128	43.2	32.3	48.5
54	40.7	33.3	49.9



#25
Isophorone
Concen: 57.820 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.26 min
Lab File: BF117113.D
Acq: 17 Sep 2019 18:11

Tgt Ion	82	Resp	465959
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#

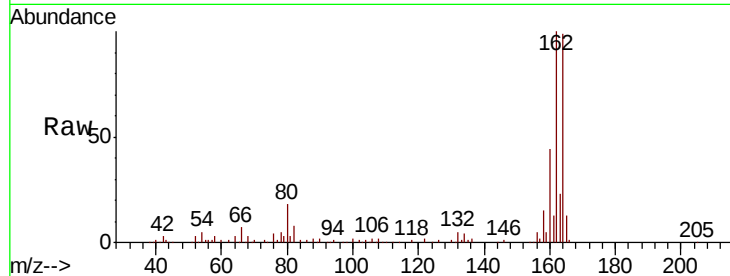




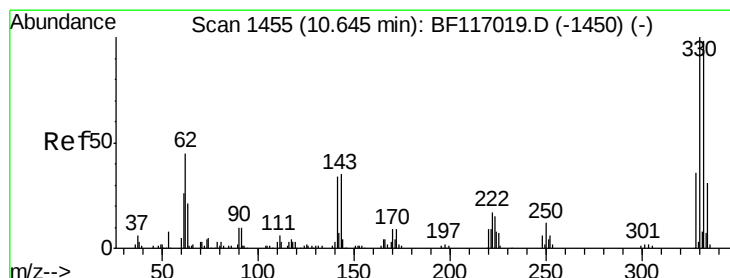
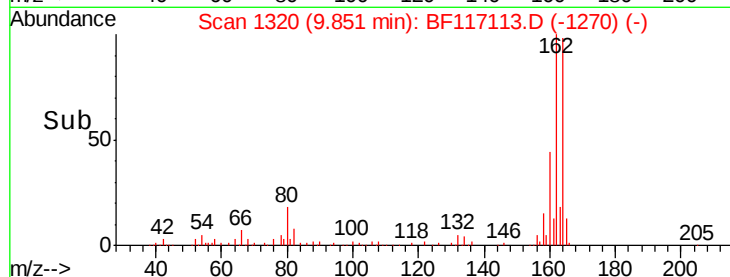
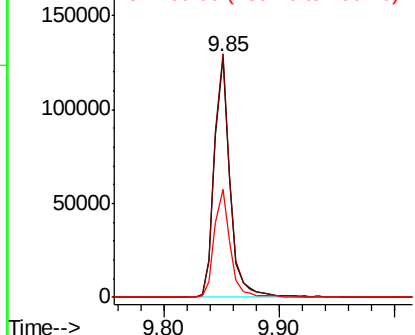
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF117113.D
Acq: 17 Sep 2019 18:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 120919
Ion Ratio Lower Upper
164 100
162 101.4 83.4 125.2
160 44.9 36.4 54.6

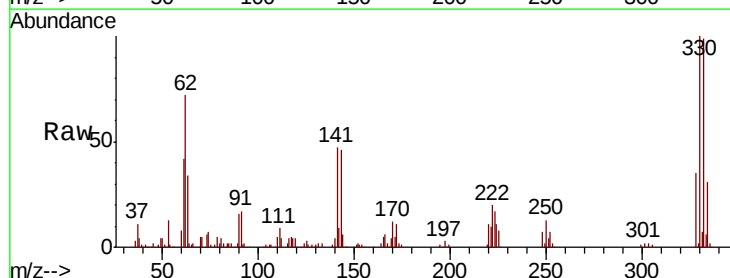


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

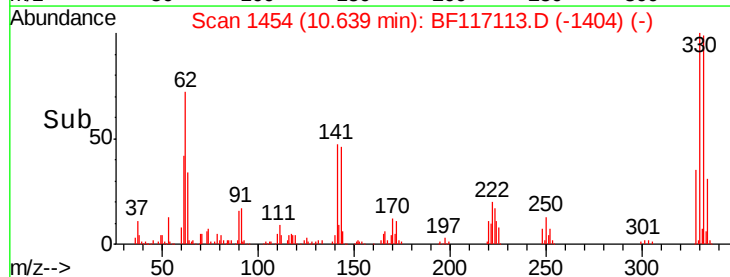
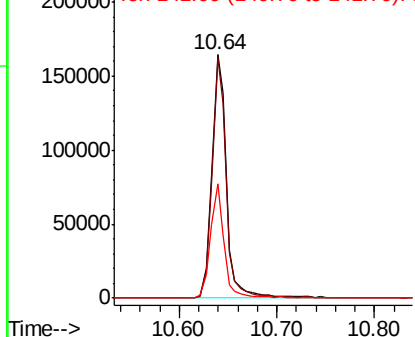


#42
2,4,6-Tribromophenol
Concen: 168.855 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF117113.D
Acq: 17 Sep 2019 18:11

Tgt Ion:330 Resp: 170646
Ion Ratio Lower Upper
330 100
332 95.7 78.0 117.0
141 44.4 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

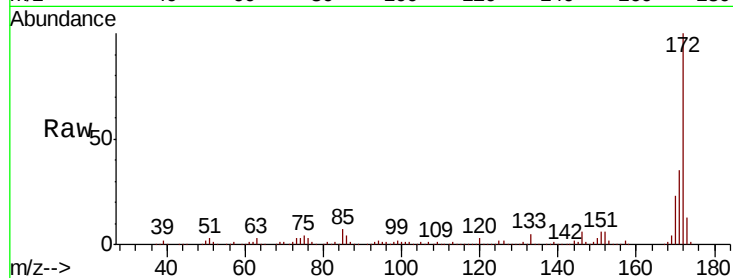




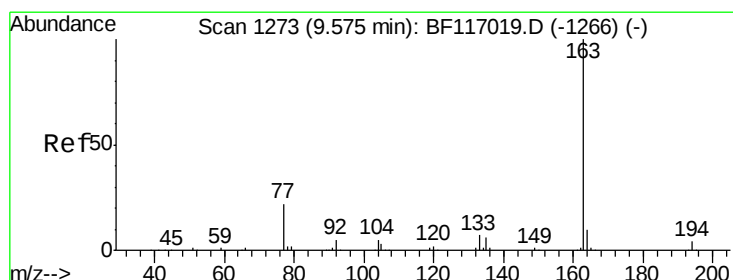
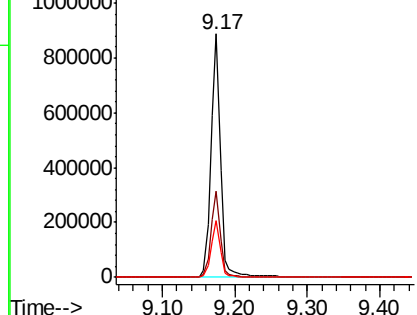
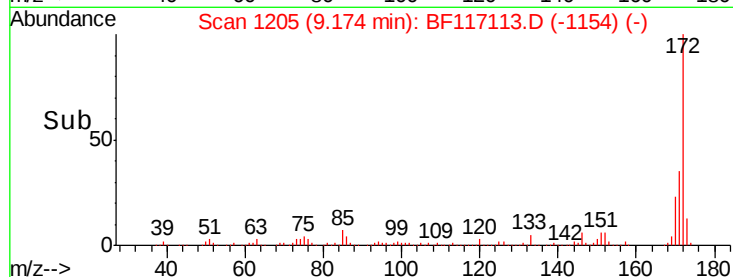
#45
 2-Fluorobiphenyl
 Concen: 105.350 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: BF117113.D
 Acq: 17 Sep 2019 18:11

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 814726
 Ion Ratio Lower Upper
 172 100
 171 35.2 28.2 42.2
 170 23.5 18.9 28.3

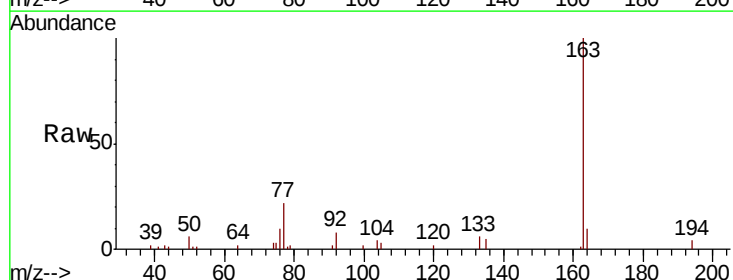


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

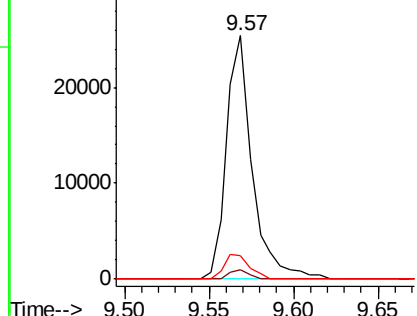
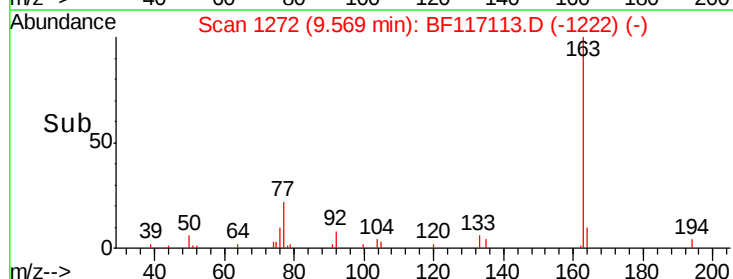


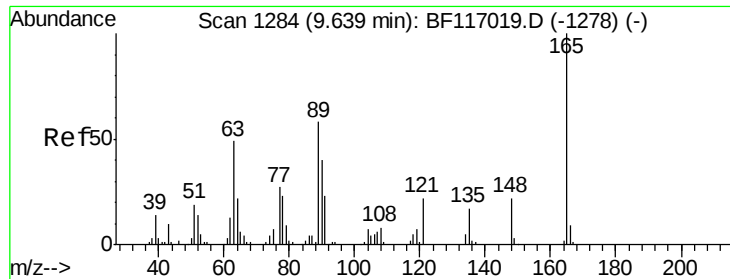
#50
 Dimethylphthalate
 Concen: 3.157 ng
 RT: 9.57 min Scan# 1272
 Delta R.T. -0.01 min
 Lab File: BF117113.D
 Acq: 17 Sep 2019 18:11

Tgt Ion:163 Resp: 27030
 Ion Ratio Lower Upper
 163 100
 194 4.0 2.9 4.3
 164 9.8 8.2 12.4



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: 8.564 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.21 min

Lab File: BF117113.D

Acq: 17 Sep 2019 18:11

Instrument :

BNA_F

ClientSampleId :

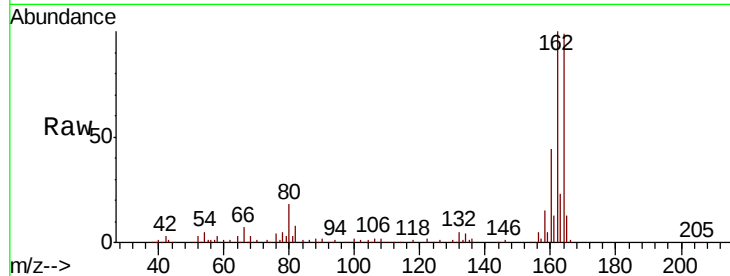
Tot Ion:165 Resp: 14934

Ion Ratio Lower Upper

165 100

63 0.0 41.8 62.8#

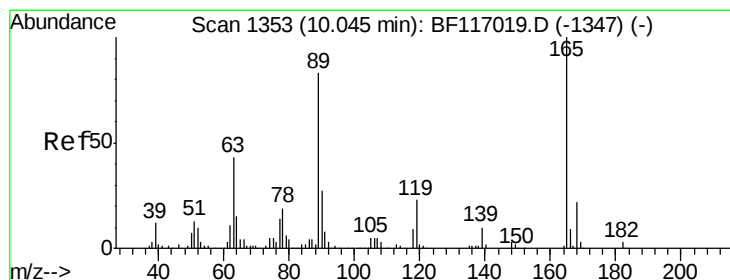
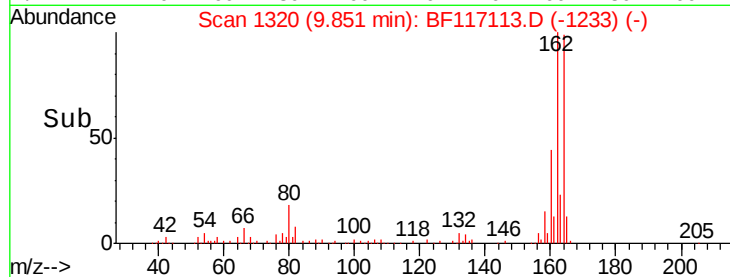
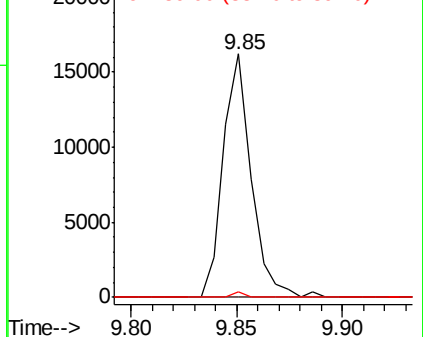
89 2.3 46.5 69.7#



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: 6.598 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.19 min

Lab File: BF117113.D

Acq: 17 Sep 2019 18:11

Tgt Ion:165 Resp: 14934

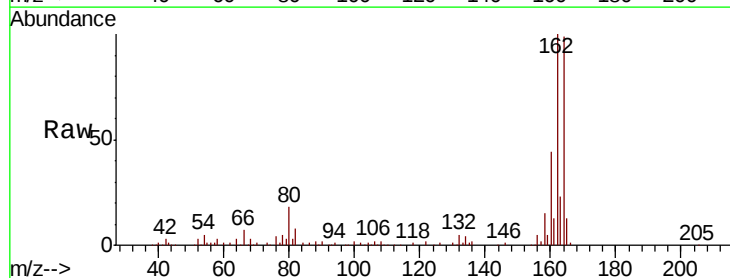
Ion Ratio Lower Upper

165 100

63 0.0 35.0 52.4#

89 2.3 66.1 99.1#

182 0.0 2.0 3.0#

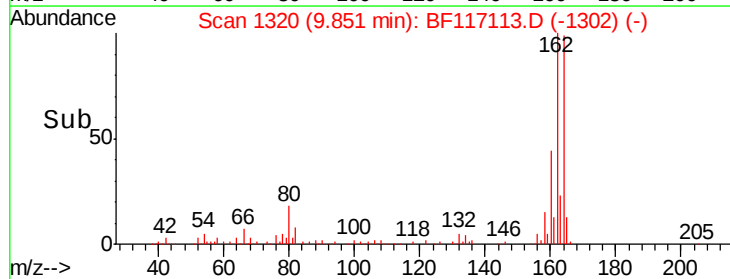
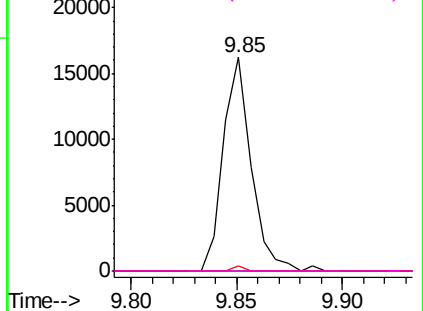


Abundance Ion 165.00 (164.70 to 165.70): E

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

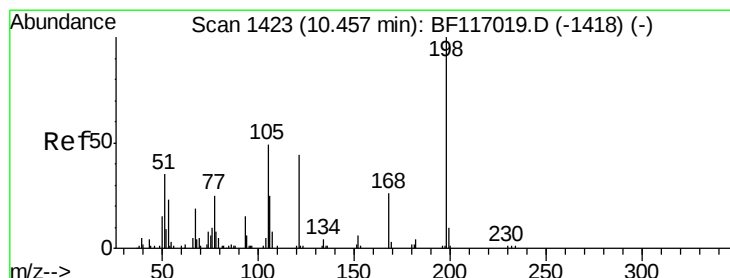
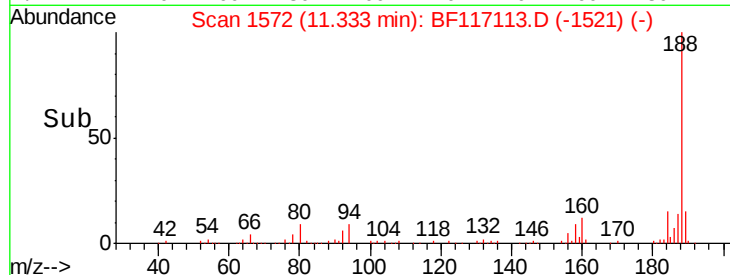
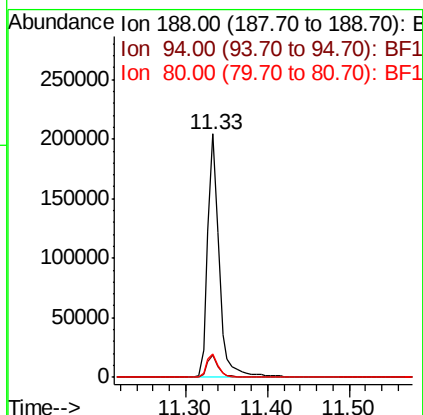
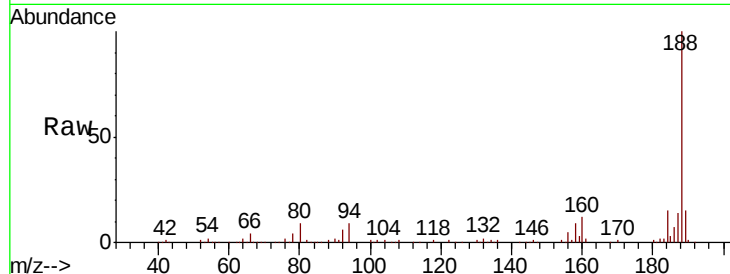




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: BF117113.D
 Acq: 17 Sep 2019 18:11

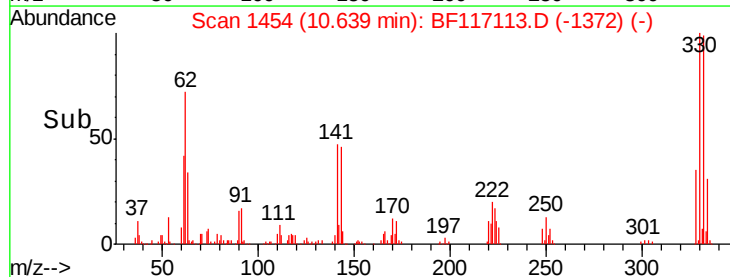
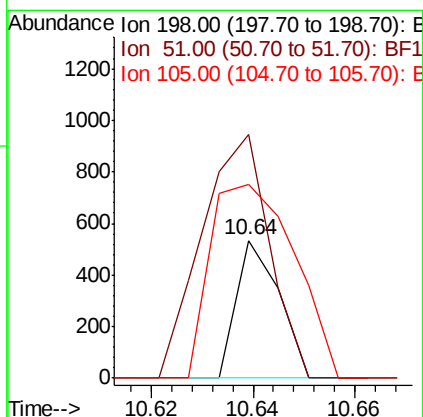
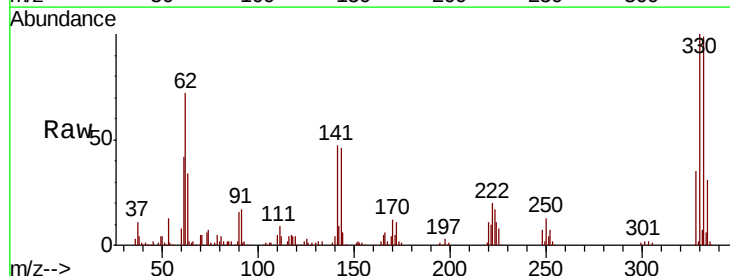
Instrument :
 BNA_F
 ClientSampled :

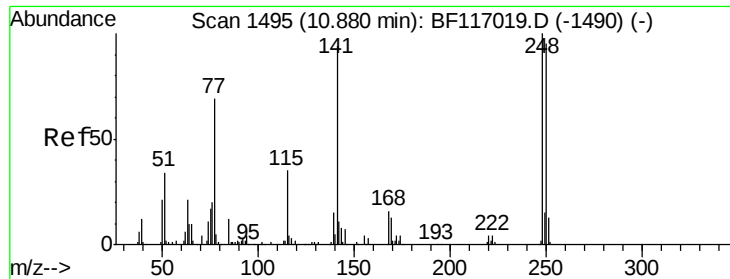
Tot Ion:188 Resp: 199631
 Ion Ratio Lower Upper
 188 100
 94 9.2 8.2 12.2
 80 9.4 9.0 13.6



#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.196 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.18 min
 Lab File: BF117113.D
 Acq: 17 Sep 2019 18:11

Tgt Ion:198 Resp: 312
 Ion Ratio Lower Upper
 198 100
 51 176.4 18.7 58.7#
 105 140.6 30.2 70.2#





#67

4-Bromophenyl-phenylether

Concen: 5.453 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.24 min

Lab File: BF117113.D

Acq: 17 Sep 2019 18:11

Instrument :

BNA_F

ClientSampleId :

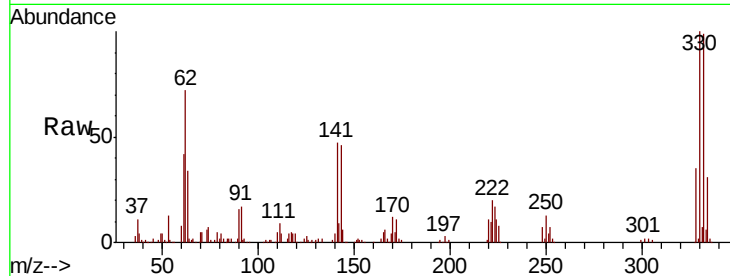
Tot Ion:248 Resp: 11118

Ion Ratio Lower Upper

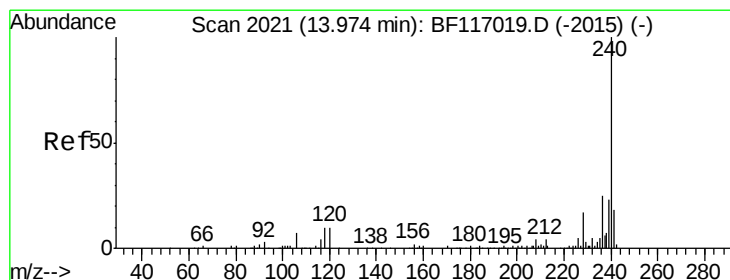
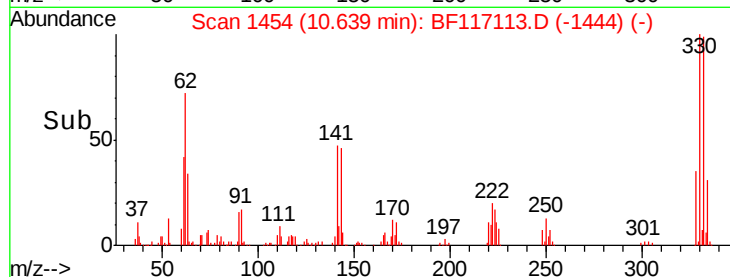
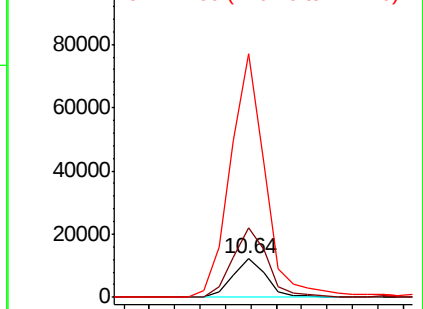
248 100

250 183.0 76.2 114.4#

141 637.0 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: BF117113.D

Acq: 17 Sep 2019 18:11

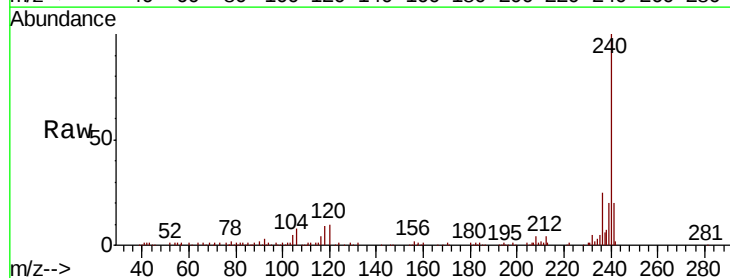
Tgt Ion:240 Resp: 144895

Ion Ratio Lower Upper

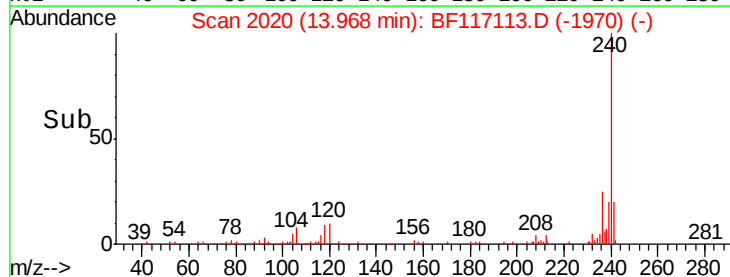
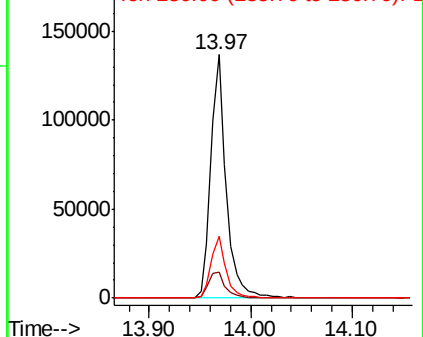
240 100

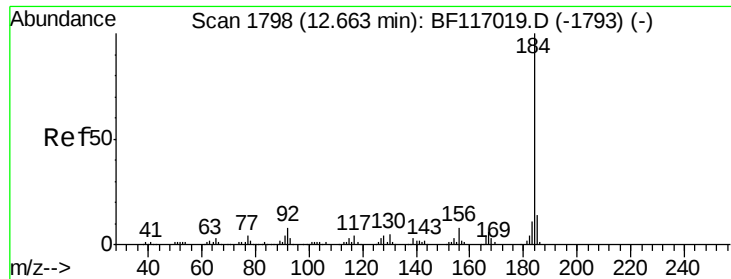
120 10.4 8.3 12.5

236 25.3 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: 2.677 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.25 min

Lab File: BF117113.D

Acq: 17 Sep 2019 18:11

Instrument :

BNA_F

ClientSampleId :

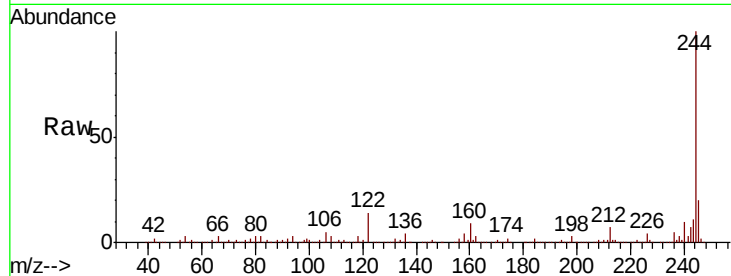
Tot Ion:184 Resp: 12494

Ion Ratio Lower Upper

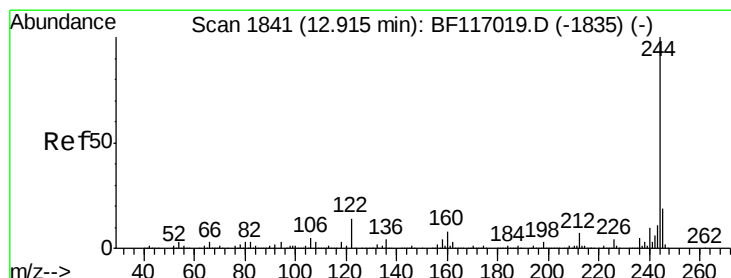
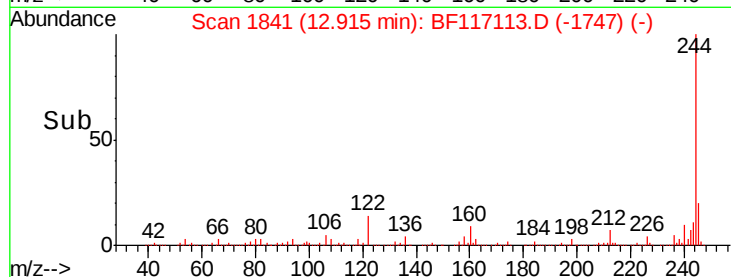
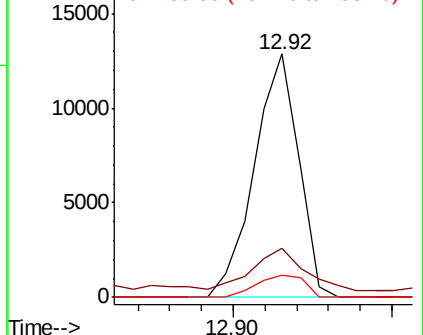
184 100

185 20.2 11.6 17.4#

183 9.3 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: 106.684 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.00 min

Lab File: BF117113.D

Acq: 17 Sep 2019 18:11

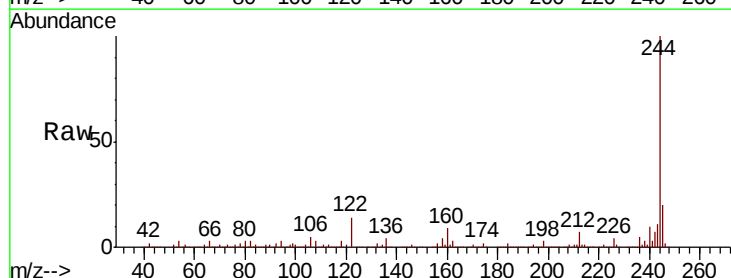
Tgt Ion:244 Resp: 826975

Ion Ratio Lower Upper

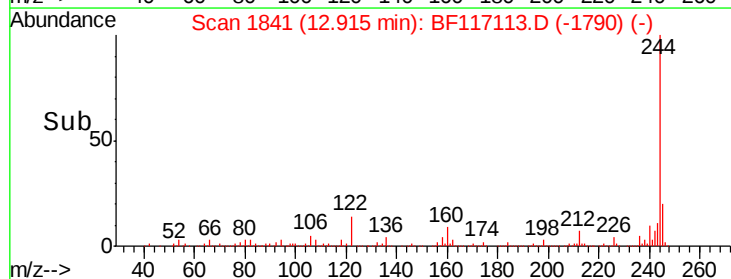
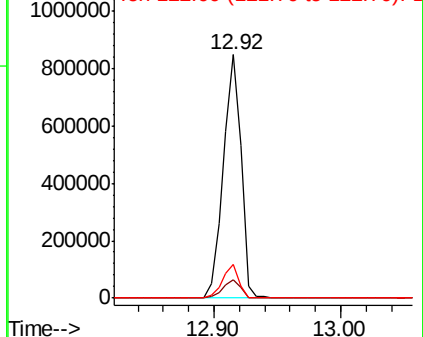
244 100

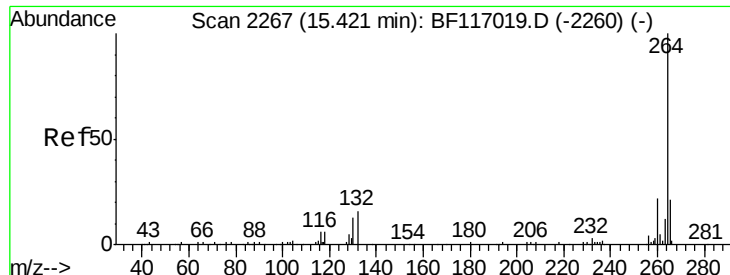
212 7.3 5.8 8.8

122 14.0 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# 2266
Delta R.T. -0.01 min
Lab File: BF117113.D
Acq: 17 Sep 2019 18:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	17.6	26.4
265	22.2	16.6	24.8

