

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091719\
 Data File : BF117104.D
 Acq On : 17 Sep 2019 14:11
 Operator : HP/JU
 Sample : K4883-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW5-R2-1

Quant Time: Sep 18 03:49:37 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

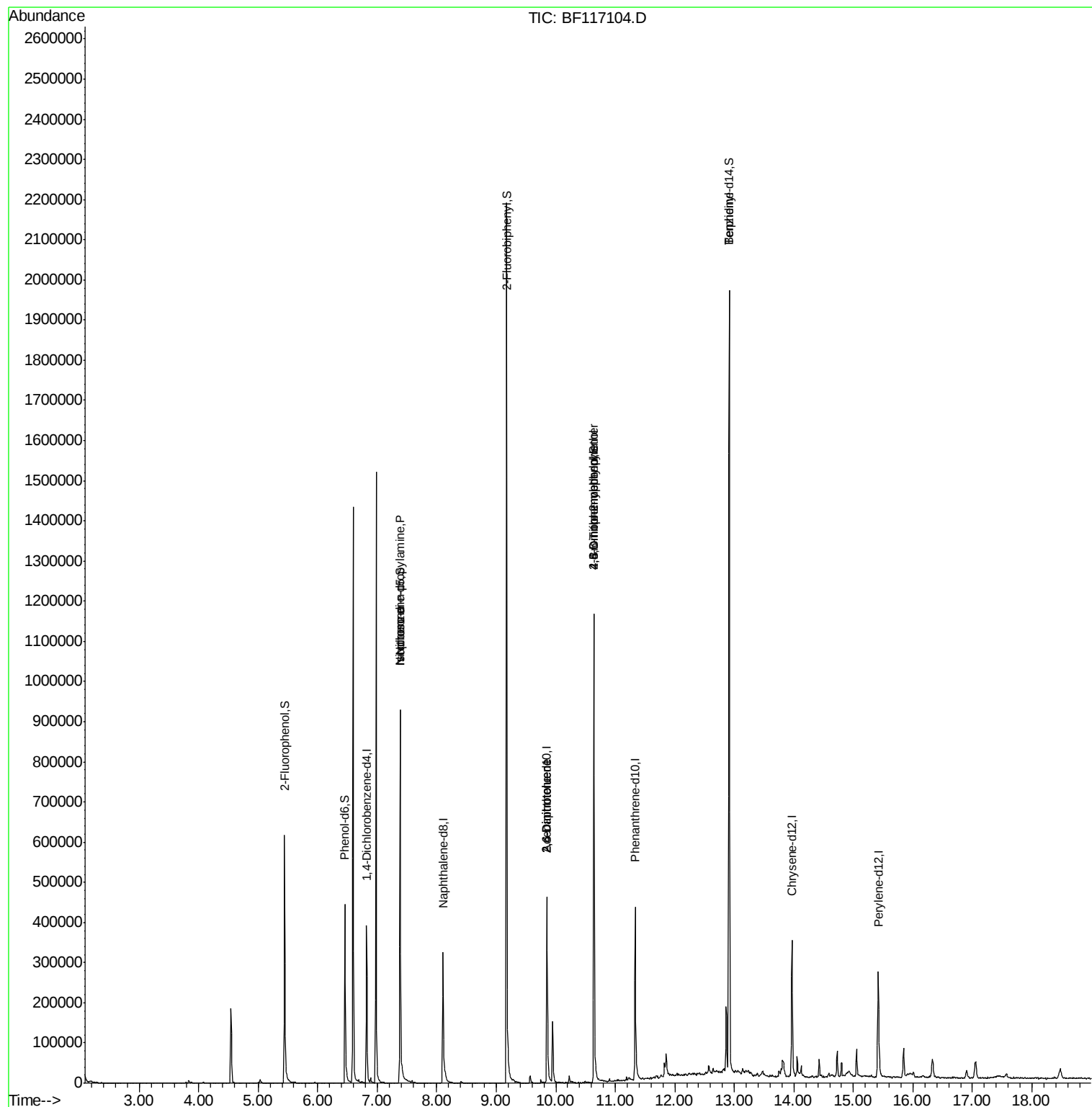
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	58091	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	220936	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	118769	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	196816	20.00	ng	0.00
76) Chrysene-d12	13.97	240	131016	20.00	ng	0.00
87) Perylene-d12	15.42	264	120823	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	210813	56.66	ng	0.00
7) Phenol-d6	6.46	99	184445	38.36	ng	0.00
23) Nitrobenzene-d5	7.39	82	392691	93.39	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	143366	144.43	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	718015	94.53	ng	0.00
79) Terphenyl-d14	12.92	244	638900	91.15	ng	0.00
Target Compounds						
9) Benzaldehyde	6.59	77	10568	Below Cal		Qvalue # 68
19) n-Nitroso-di-n-propylamine	7.39	70	51486	17.583	ng	# 78
25) Isophorone	7.39	82	392688	52.744	ng	# 66
51) 2,6-Dinitrotoluene	9.85	165	15020	8.770	ng	# 24
57) 2,4-Dinitrotoluene	9.85	165	15020	6.756	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.64	198	217	7.109	ng	# 1
67) 4-Bromophenyl-phenylether	10.64	248	8789	4.373	ng	# 1
77) Benzidine	12.92	184	9344	2.214	ng	# 89

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

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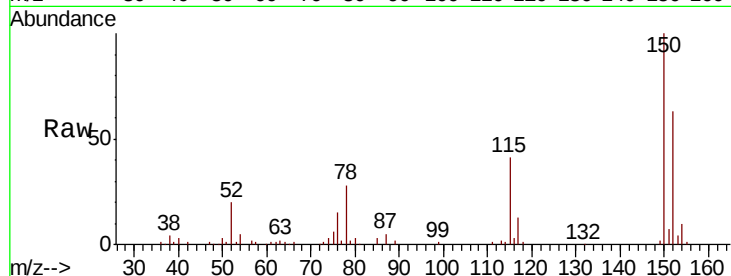


#1

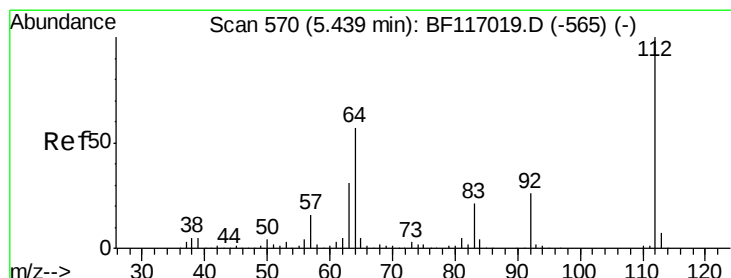
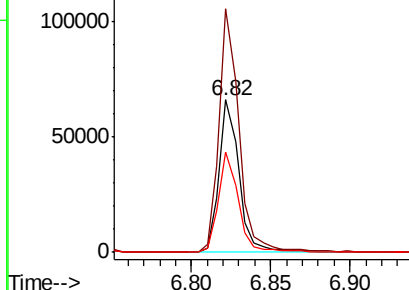
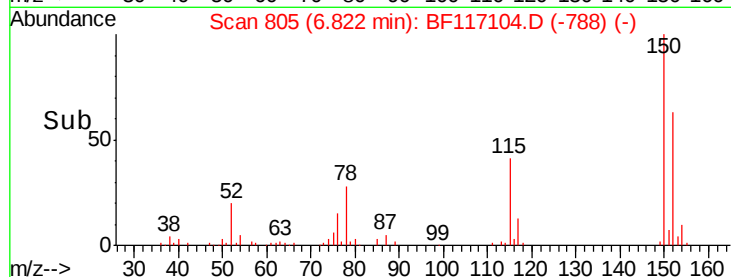
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117104.D
Acq: 17 Sep 2019 14:11

Instrument :
BNA_F
ClientSampleId :
MW5-R2-1

Tot Ion:152 Resp: 58091
Ion Ratio Lower Upper
152 100
150 159.7 127.5 191.3
115 66.0 55.0 82.4



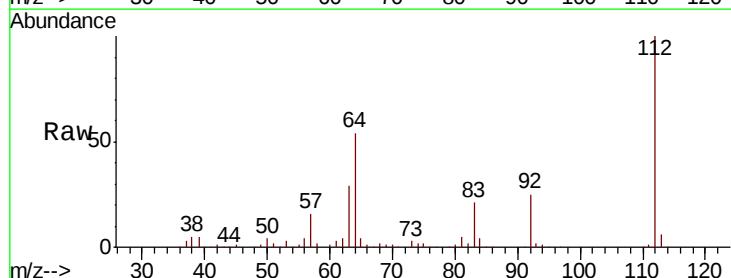
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



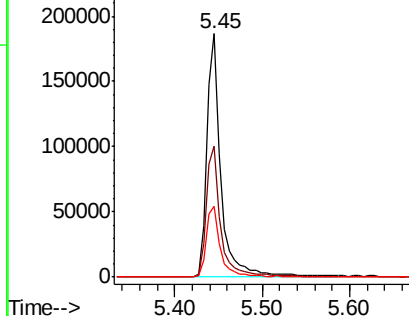
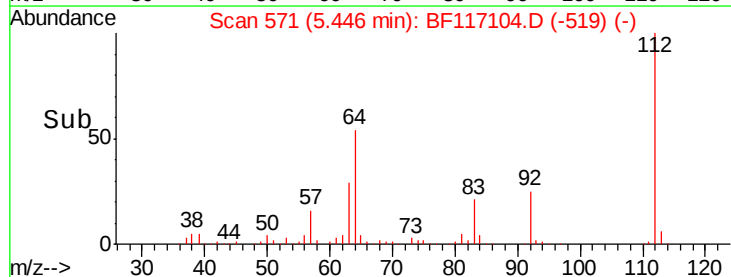
#5

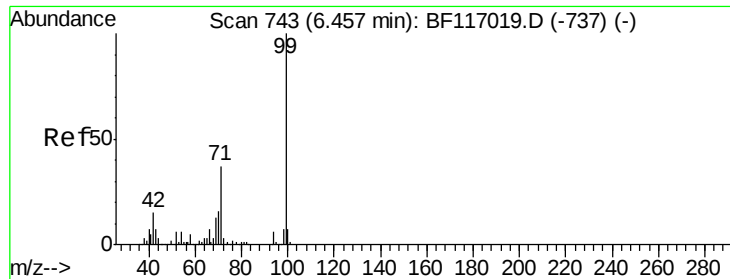
2-Fluorophenol
Concen: 56.658 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF117104.D
Acq: 17 Sep 2019 14:11

Tgt Ion:112 Resp: 210813
Ion Ratio Lower Upper
112 100
64 53.9 45.7 68.5
63 28.9 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: 38.357 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF117104.D

Acq: 17 Sep 2019 14:11

Instrument :

BNA_F

ClientSampleId :

MW5-R2-1

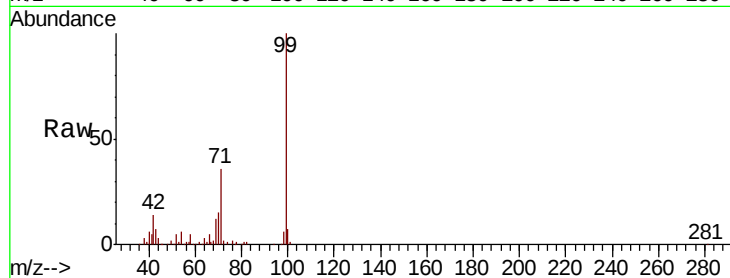
Tot Ion: 99 Resp: 184445

Ion Ratio Lower Upper

99 100

42 14.4 12.2 18.2

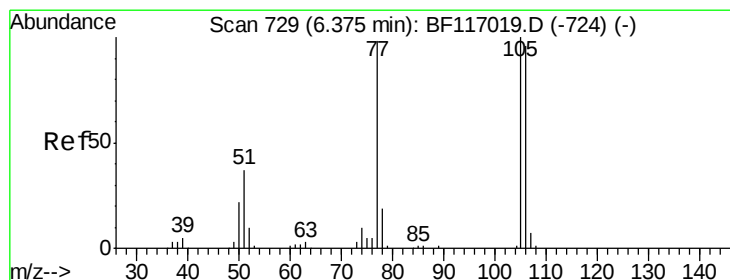
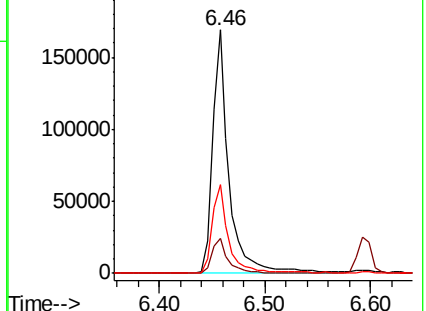
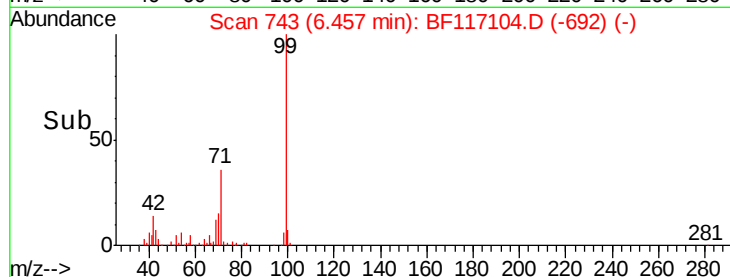
71 36.2 29.8 44.8



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: 6.59 min Scan# 766

Delta R.T. 0.22 min

Lab File: BF117104.D

Acq: 17 Sep 2019 14:11

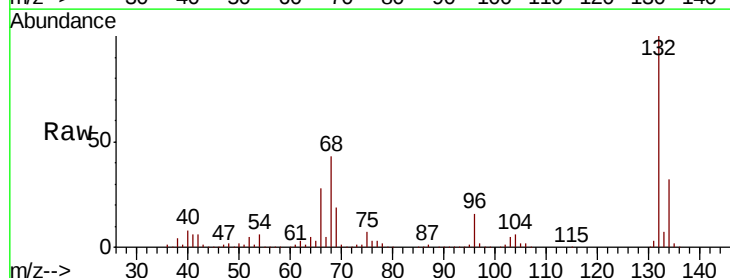
Tgt Ion: 77 Resp: 10568

Ion Ratio Lower Upper

77 100

105 73.8 81.8 121.8#

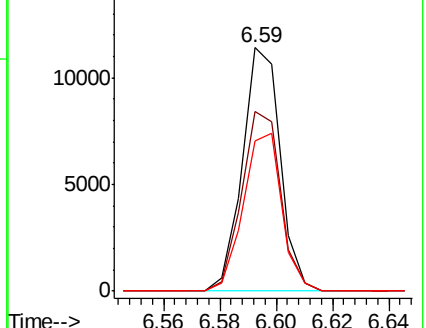
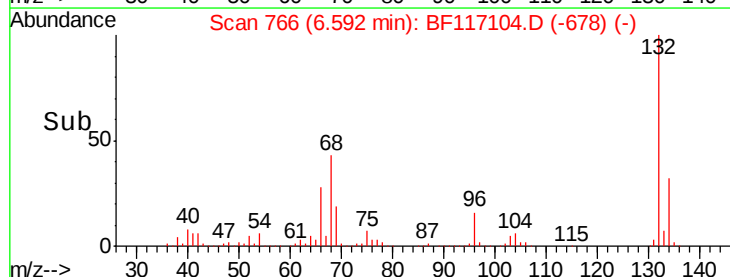
106 61.9 77.3 117.3#

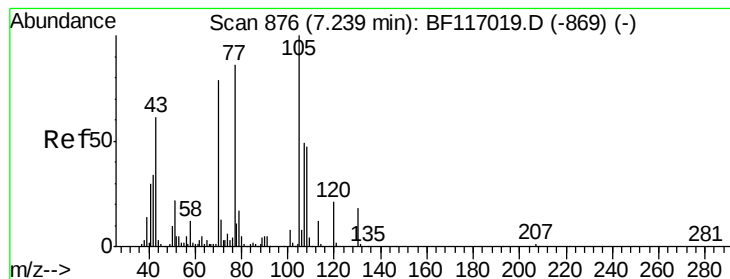


Abundance Ion 77.00 (76.70 to 77.70): BF1

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: 17.583 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.15 min

Lab File: BF117104.D

Acq: 17 Sep 2019 14:11

Instrument :

BNA_F

ClientSampleId :

MW5-R2-1

Tot Ion: 70 Resp: 51486

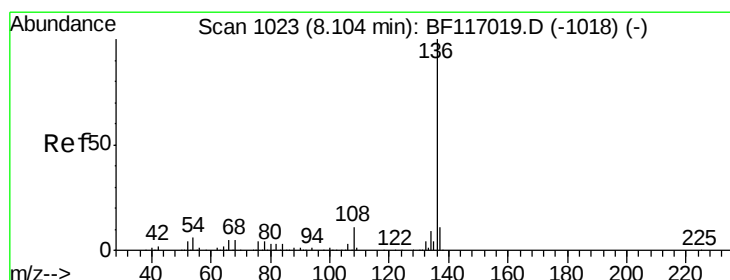
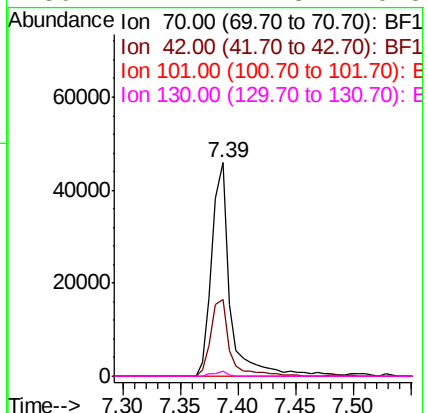
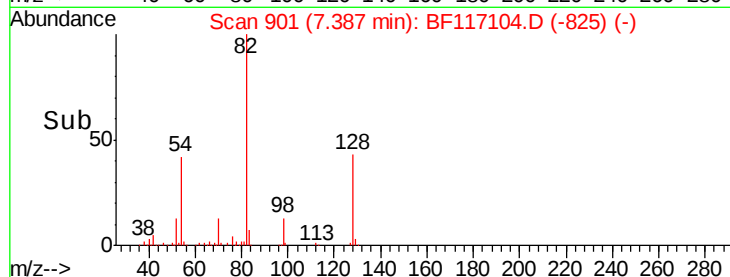
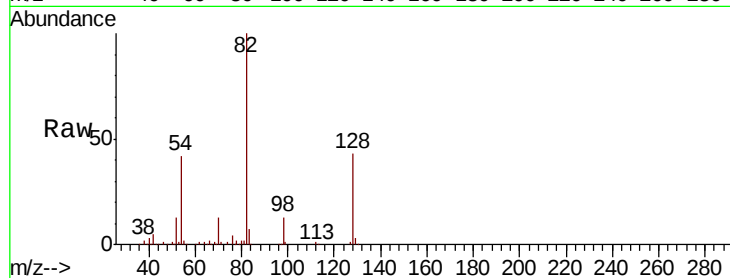
Ion Ratio Lower Upper

70 100

42 35.9 34.0 51.0

101 0.0 7.8 11.6#

130 2.1 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: BF117104.D

Acq: 17 Sep 2019 14:11

Tgt Ion: 136 Resp: 220936

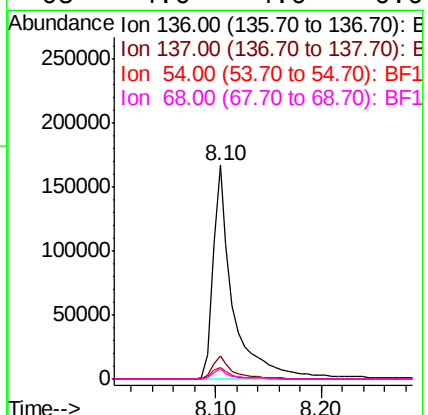
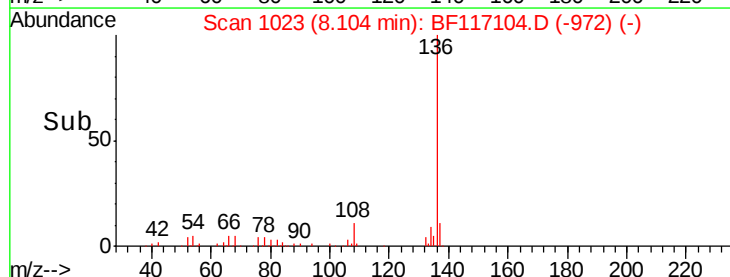
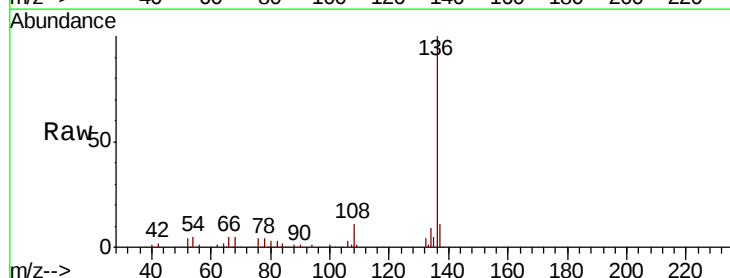
Ion Ratio Lower Upper

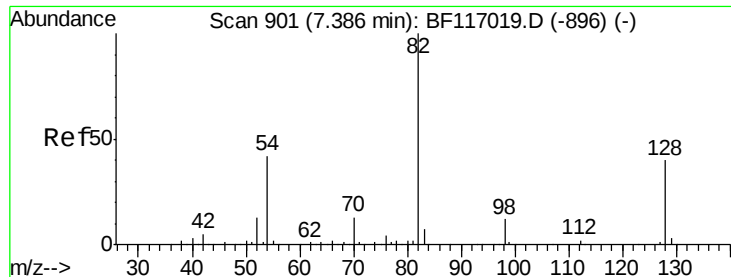
136 100

137 10.6 9.0 13.4

54 5.2 4.5 6.7

68 4.6 4.0 6.0

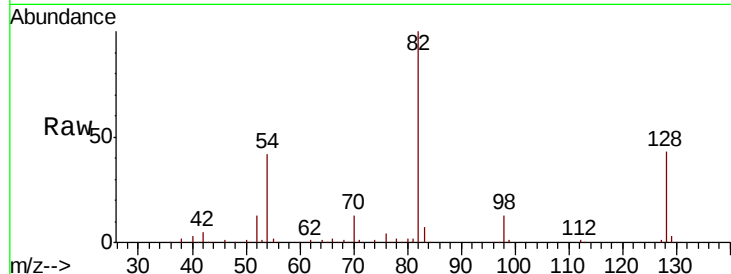




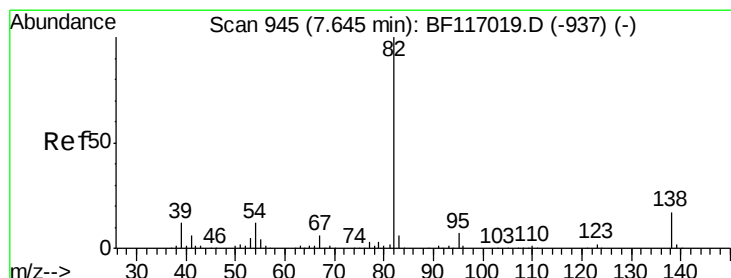
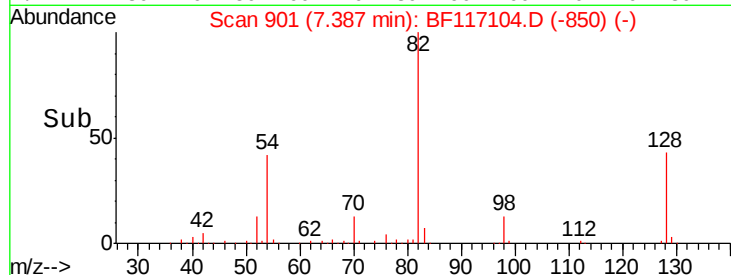
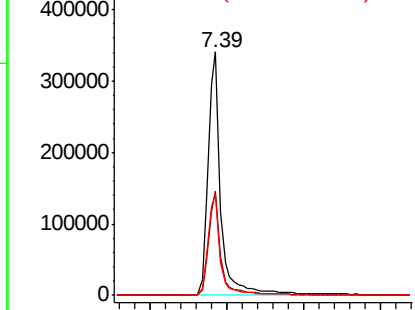
#23
Nitrobenzene-d5
Concen: 93.389 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.00 min
Lab File: BF117104.D
Acq: 17 Sep 2019 14:11

Instrument :
BNA_F
ClientSampleId :
MW5-R2-1

Tot Ion	82	Resp	392691
Ion Ratio	Lower	Upper	
82	100		
128	43.0	32.3	48.5
54	41.9	33.3	49.9

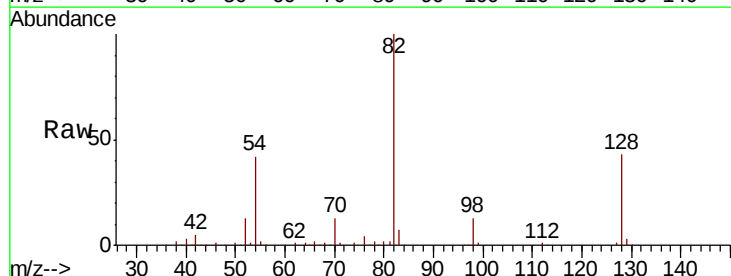


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

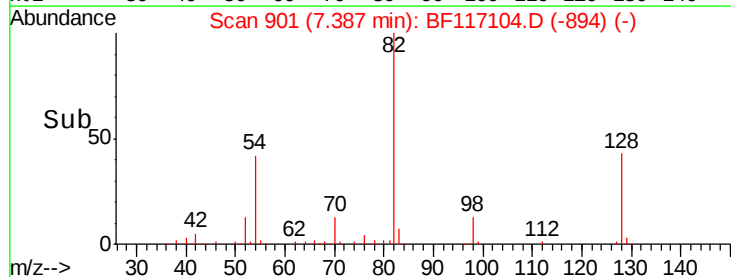
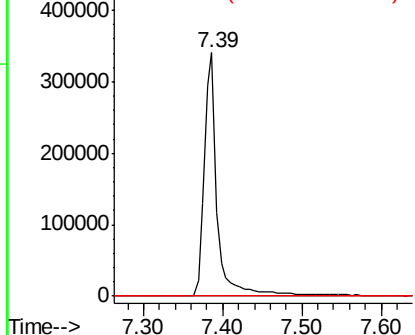


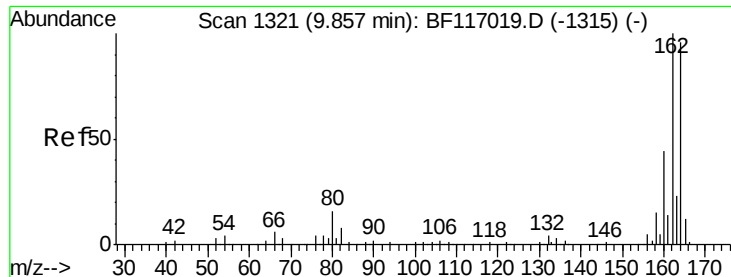
#25
Isophorone
Concen: 52.744 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.26 min
Lab File: BF117104.D
Acq: 17 Sep 2019 14:11

Tgt Ion	82	Resp	392688
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: BF117104.D

Acq: 17 Sep 2019 14:11

Instrument :

BNA_F

ClientSampleId :

MW5-R2-1

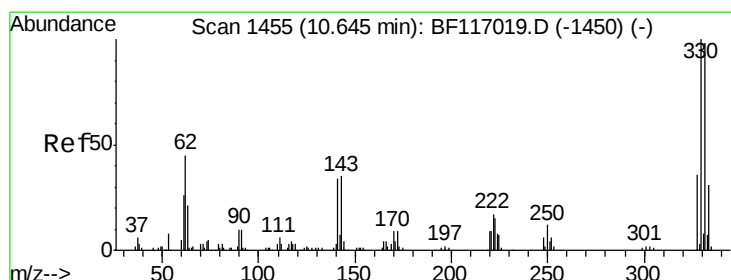
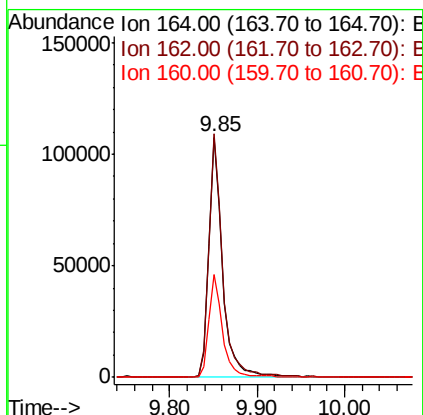
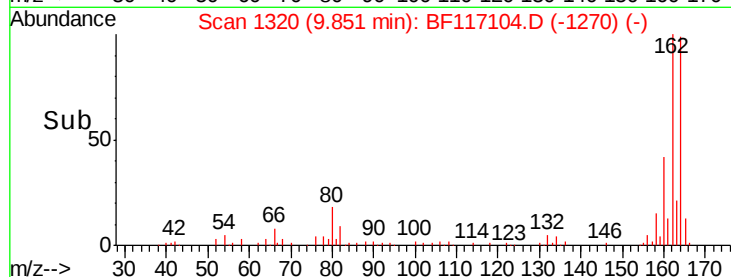
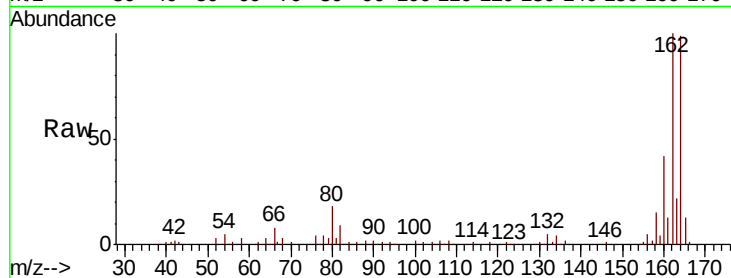
Tot Ion:164 Resp: 118769

Ion Ratio Lower Upper

164 100

162 101.4 83.4 125.2

160 42.9 36.4 54.6



#42

2,4,6-Tribromophenol

Concen: 144.429 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF117104.D

Acq: 17 Sep 2019 14:11

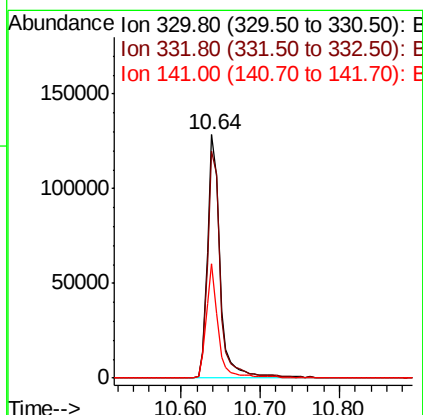
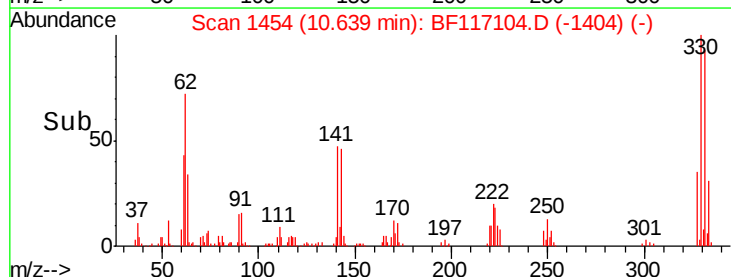
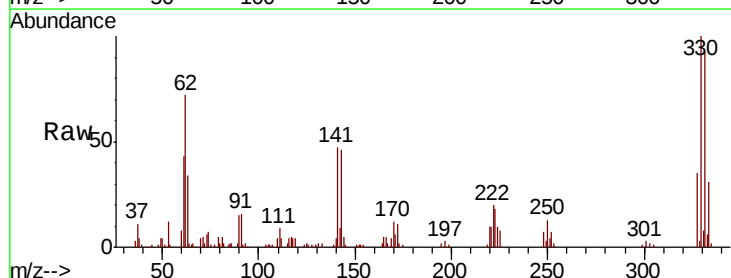
Tgt Ion:330 Resp: 143366

Ion Ratio Lower Upper

330 100

332 94.3 78.0 117.0

141 44.3 35.8 53.6

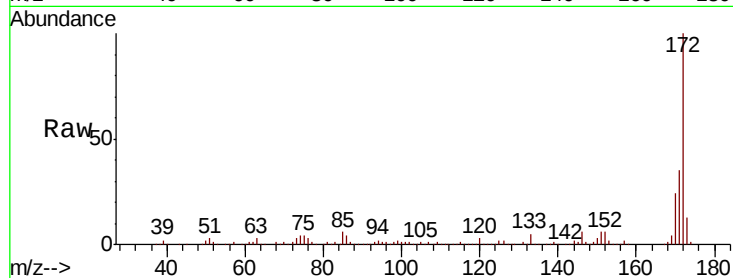




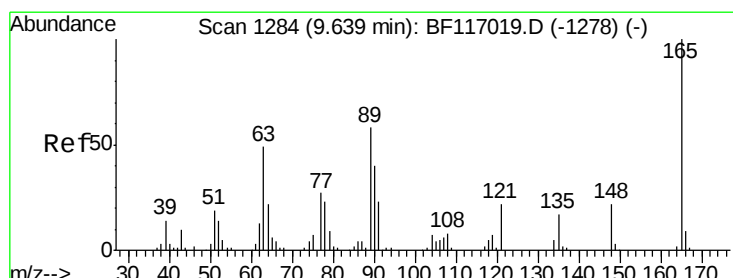
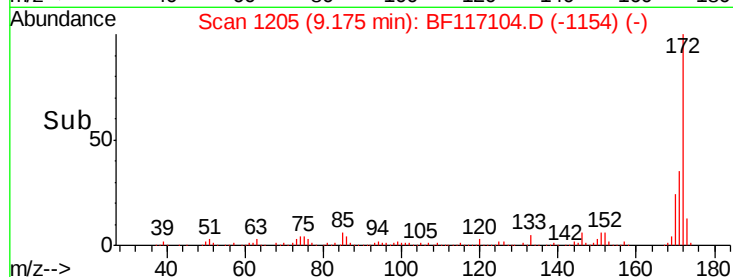
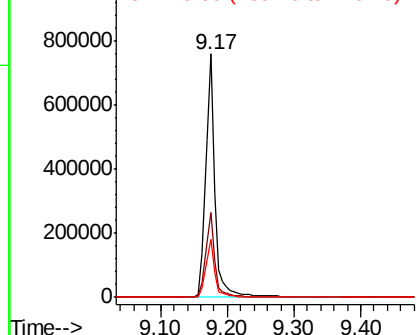
#45
2-Fluorobiphenyl
Concen: 94.526 ng
RT: 9.17 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BF117104.D
Acq: 17 Sep 2019 14:11

Instrument :
BNA_F
ClientSampleId :
MW5-R2-1

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.2	42.2
170	23.7	18.9	28.3

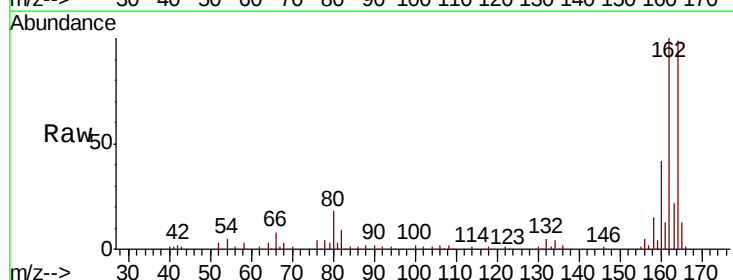


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

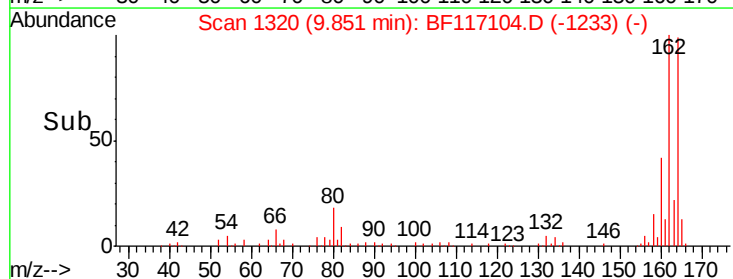
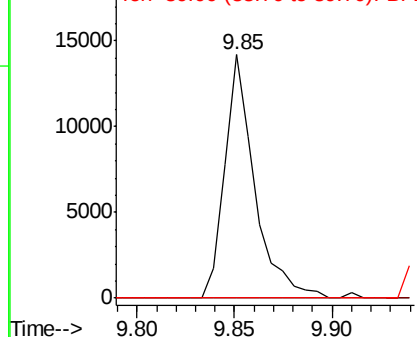


#51
2,6-Dinitrotoluene
Concen: 8.770 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.21 min
Lab File: BF117104.D
Acq: 17 Sep 2019 14:11

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.8	62.8#
89	0.0	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

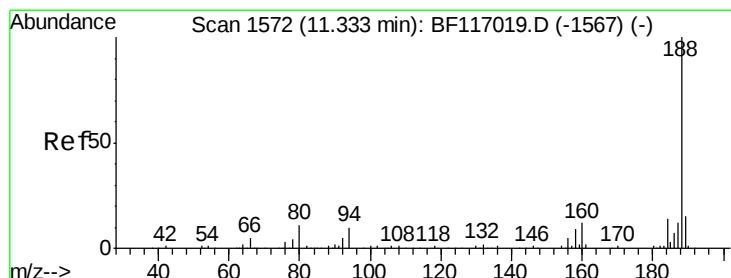
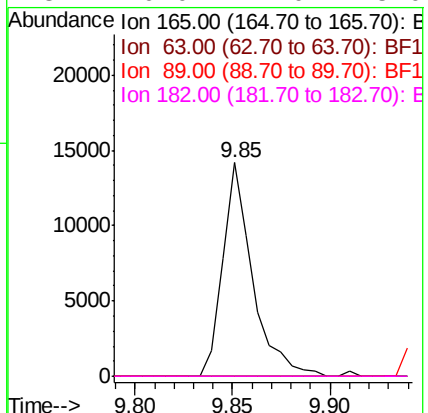
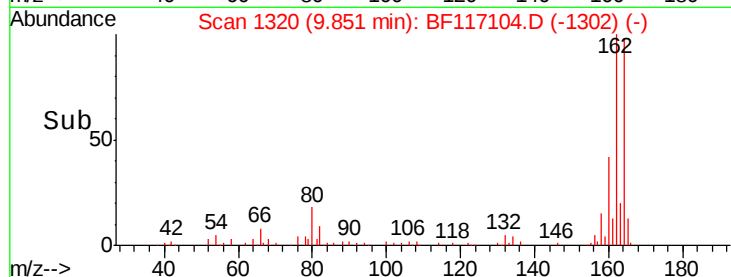
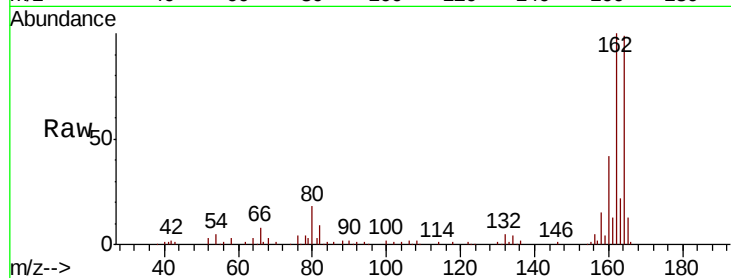




#57
 2,4-Dinitrotoluene
 Concen: 6.756 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF117104.D
 Acq: 17 Sep 2019 14:11

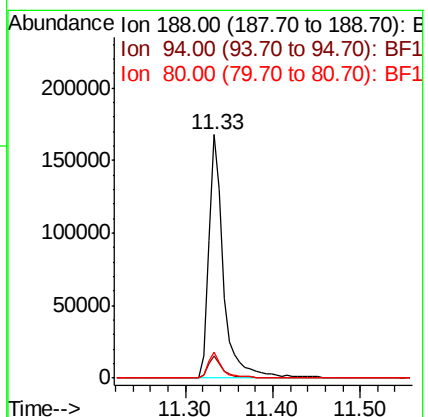
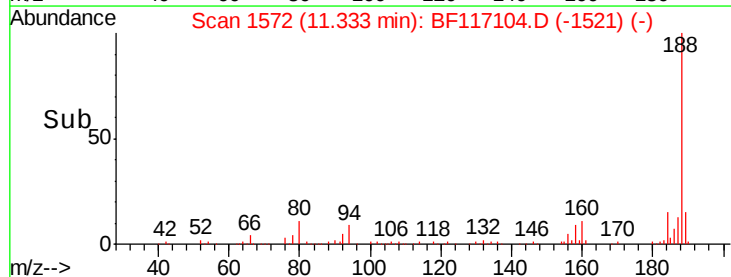
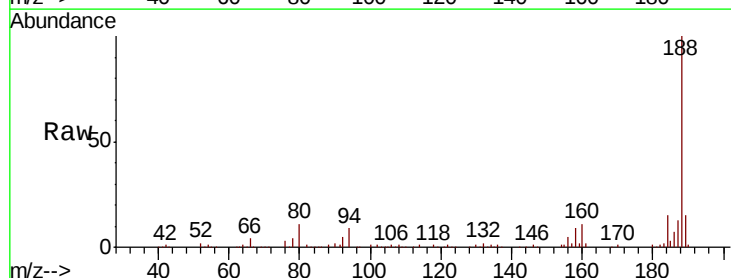
Instrument :
 BNA_F
 ClientSampleId :
 MW5-R2-1

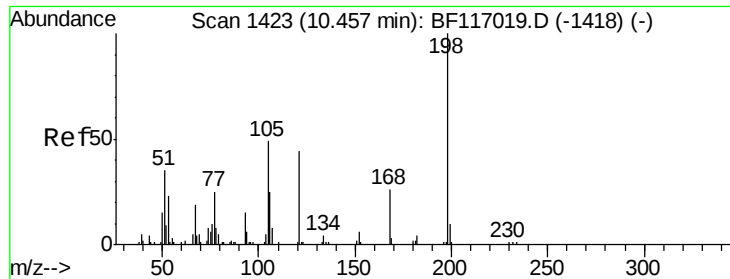
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	35.0	52.4#
89	0.0	66.1	99.1#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF117104.D
 Acq: 17 Sep 2019 14:11

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.2	12.2
80	10.6	9.0	13.6

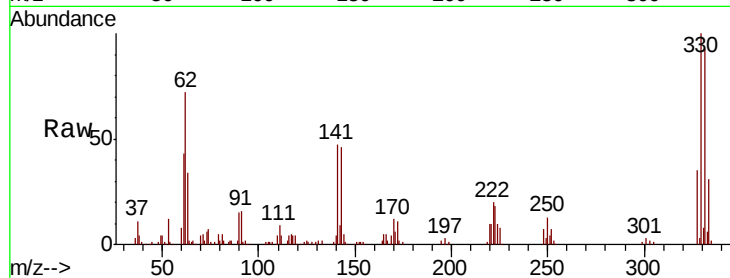




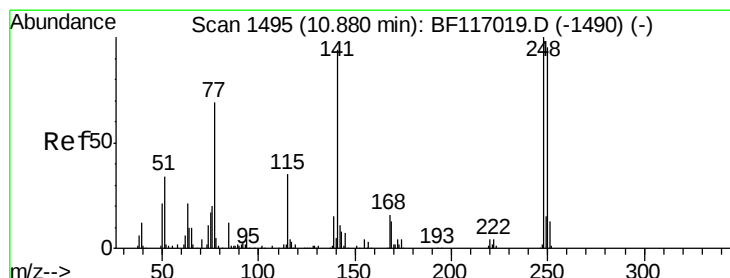
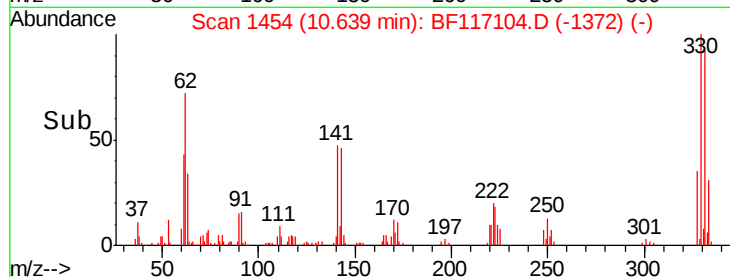
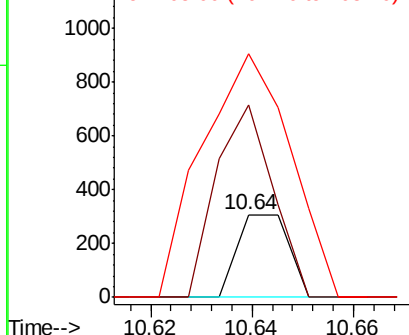
#65
4,6-Dinitro-2-methylphenol
Concen: 7.109 ng
RT: 10.64 min Scan# 1454
Delta R.T. 0.18 min
Lab File: BF117104.D
Acq: 17 Sep 2019 14:11

Instrument :
BNA_F
ClientSampleId :
MW5-R2-1

Tot Ion:198 Resp: 217
Ion Ratio Lower Upper
198 100
51 231.8 18.7 58.7#
105 293.8 30.2 70.2#

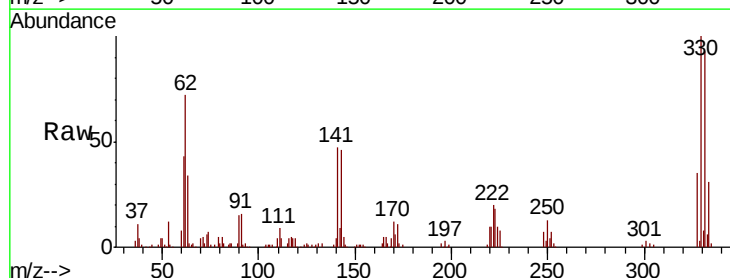


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

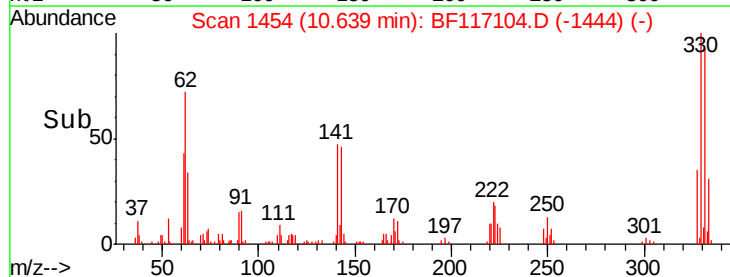
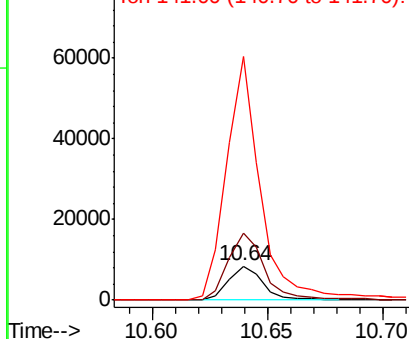


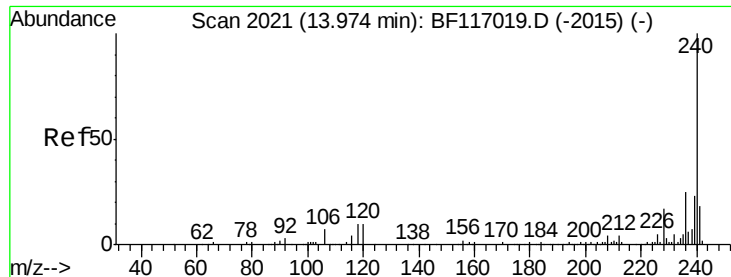
#67
4-Bromophenyl-phenylether
Concen: 4.373 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.24 min
Lab File: BF117104.D
Acq: 17 Sep 2019 14:11

Tgt Ion:248 Resp: 8789
Ion Ratio Lower Upper
248 100
250 196.6 76.2 114.4#
141 710.0 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

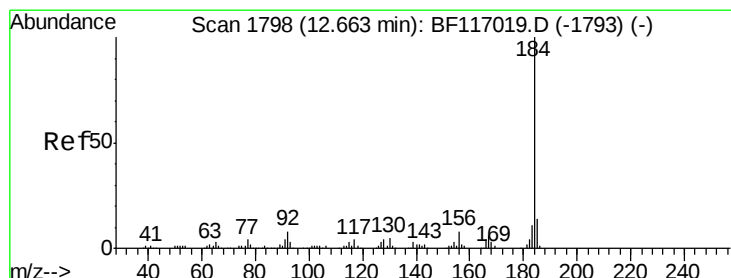
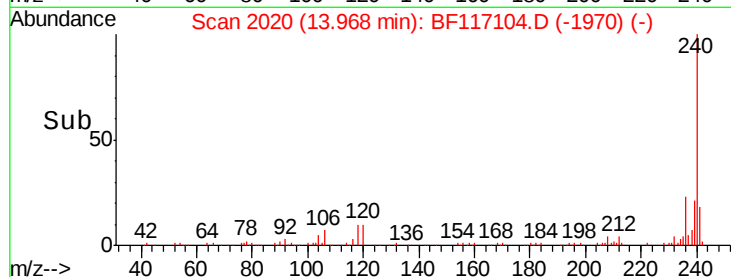
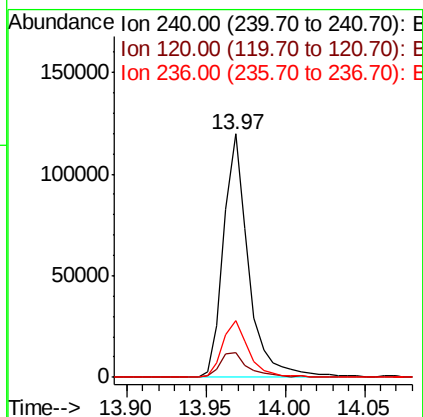
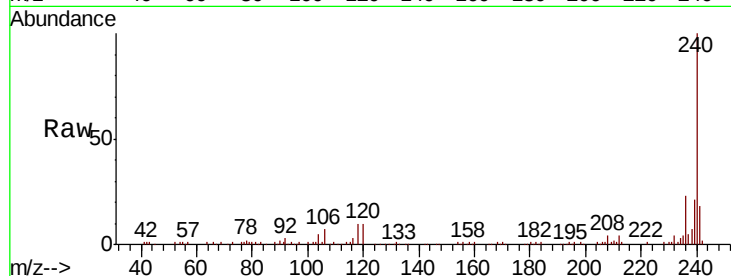




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF117104.D
Acq: 17 Sep 2019 14:11

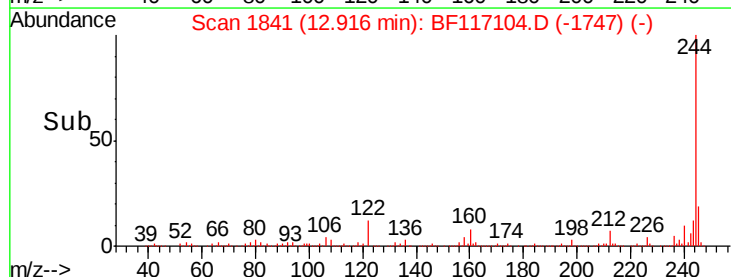
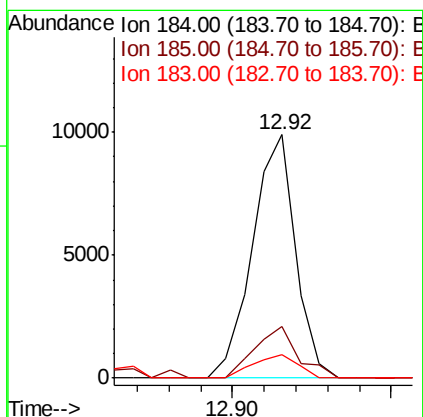
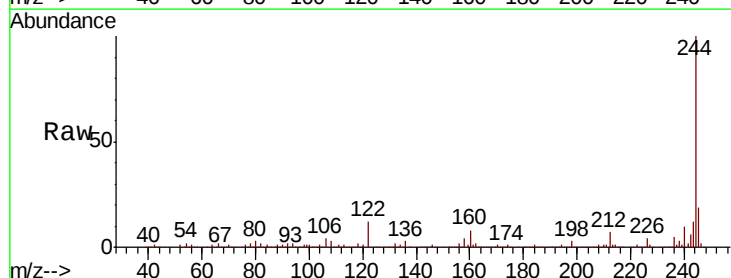
Instrument :
BNA_F
ClientSampleId :
MW5-R2-1

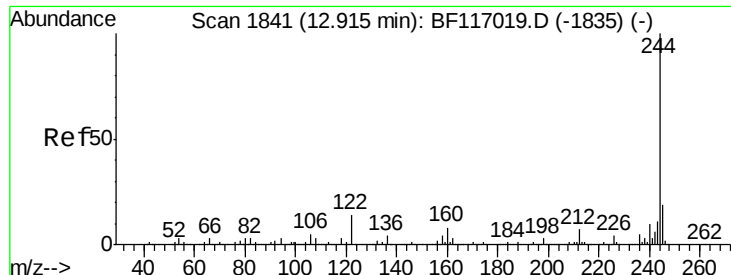
Tot Ion:240 Resp: 131016
Ion Ratio Lower Upper
240 100
120 10.1 8.3 12.5
236 23.4 20.3 30.5



#77
Benzidine
Concen: 2.214 ng
RT: 12.92 min Scan# 1841
Delta R.T. 0.25 min
Lab File: BF117104.D
Acq: 17 Sep 2019 14:11

Tgt Ion:184 Resp: 9344
Ion Ratio Lower Upper
184 100
185 21.1 11.6 17.4#
183 9.7 9.0 13.4

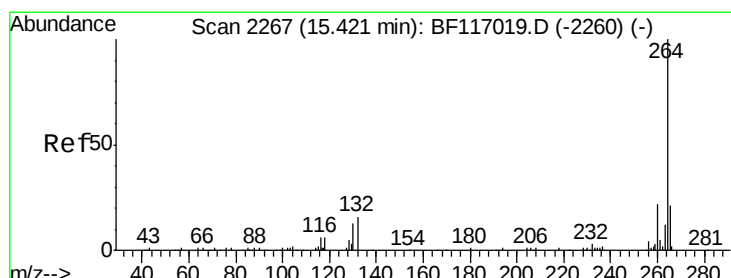
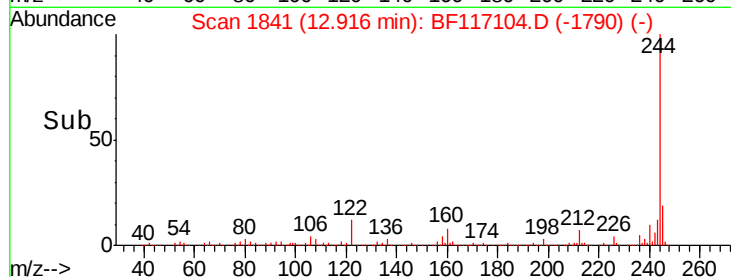
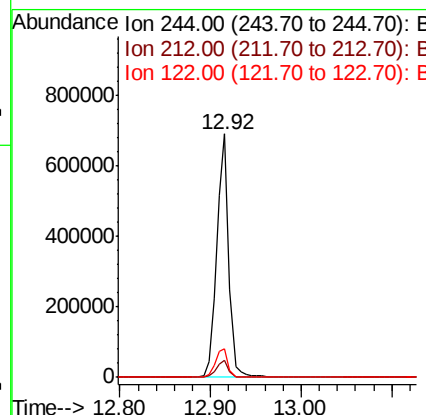
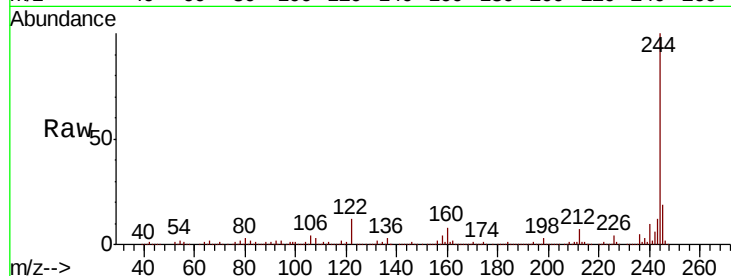




#79
 Terphenyl-d14
 Concen: 91.153 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: BF117104.D
 Acq: 17 Sep 2019 14:11

Instrument :
 BNA_F
 ClientSampleId :
 MW5-R2-1

Tot Ion:244 Resp: 638900
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.8
 122 11.9 11.3 16.9



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.42 min Scan# 2266
 Delta R.T. -0.01 min
 Lab File: BF117104.D
 Acq: 17 Sep 2019 14:11

Tgt Ion:264 Resp: 120823
 Ion Ratio Lower Upper
 264 100
 260 23.7 17.6 26.4
 265 22.3 16.6 24.8

