

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091319\
 Data File : BF117028.D
 Acq On : 13 Sep 2019 17:58
 Operator : HP/JU
 Sample : K4836-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-2

Quant Time: Sep 14 00:16:58 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	67937	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	260700	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	136904	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	232691	20.00	ng	0.00
76) Chrysene-d12	13.97	240	189225	20.00	ng	0.00
87) Perylene-d12	15.42	264	166150	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	370561	85.16	ng	0.00
7) Phenol-d6	6.45	99	363390	64.62	ng	0.00
23) Nitrobenzene-d5	7.39	82	585434	117.99	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	200647	175.36	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	997584	113.93	ng	0.00
79) Terphenyl-d14	12.92	244	1071495	105.85	ng	0.00

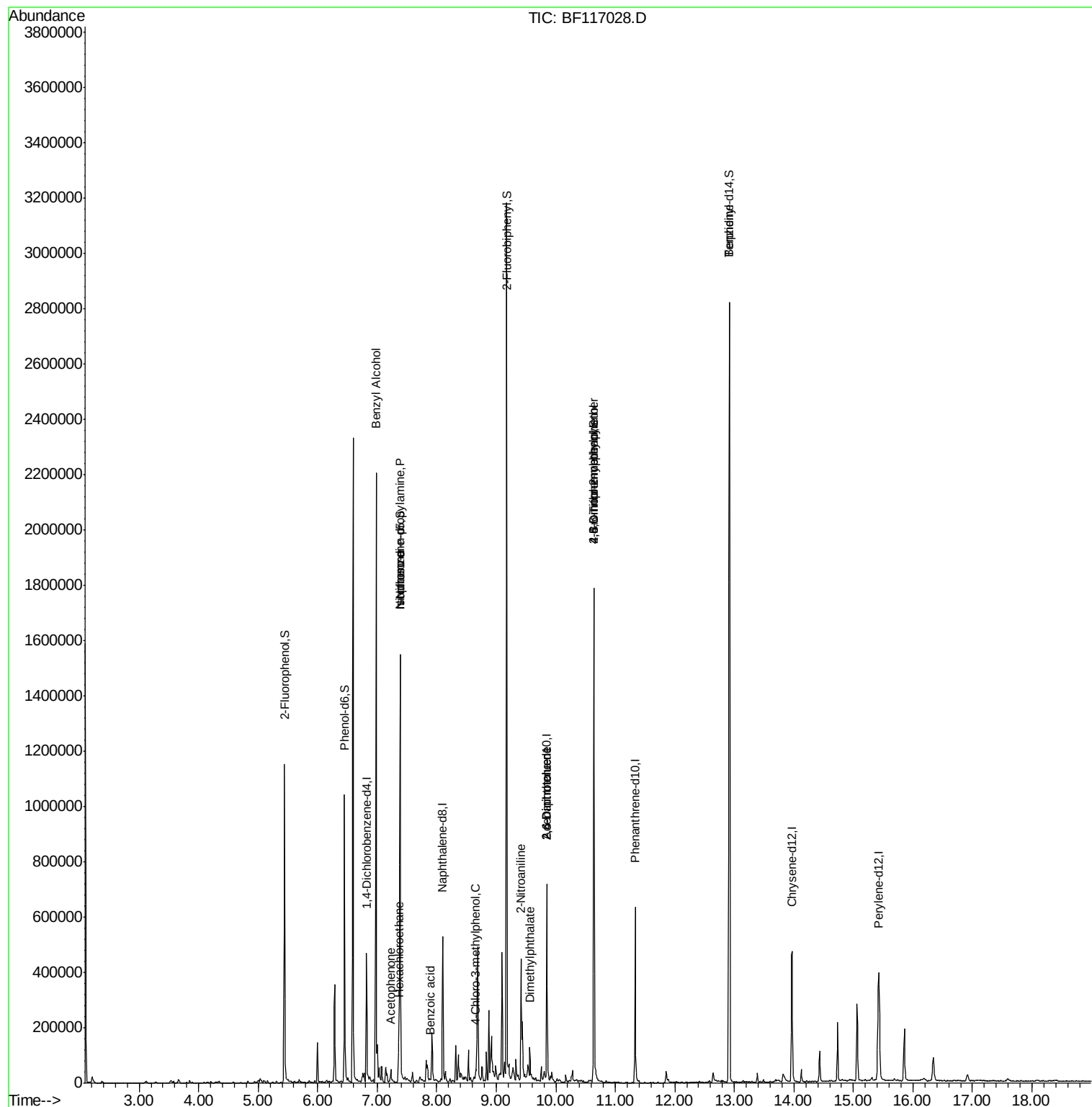
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.37	77	1232	Below Cal		# 49
15) Benzyl Alcohol	6.98	79	10467	2.427	ng	# 45
18) Hexachloroethane	7.36	117	7352	3.555	ng	# 43
19) n-Nitroso-di-n-propylamine	7.39	70	79474	23.208	ng	# 80
22) Acetophenone	7.22	105	16160	2.440	ng	# 88
25) Isophorone	7.39	82	585428	66.639	ng	# 66
32) Benzoic acid	7.89	122	225	6.671	ng	# 1
36) 4-Chloro-3-methylphenol	8.66	107	13378	3.281	ng	# 22
48) 2-Nitroaniline	9.42	65	12081	4.444	ng	# 21
50) Dimethylphthalate	9.56	163	43856	4.524	ng	# 97
51) 2,6-Dinitrotoluene	9.85	165	17140	8.682	ng	# 27
57) 2,4-Dinitrotoluene	9.85	165	17140	6.688	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.64	198	388	7.216	ng	# 1
67) 4-Bromophenyl-phenylether	10.64	248	12919	5.437	ng	# 1
77) Benzidine	12.92	184	15448	2.534	ng	# 98

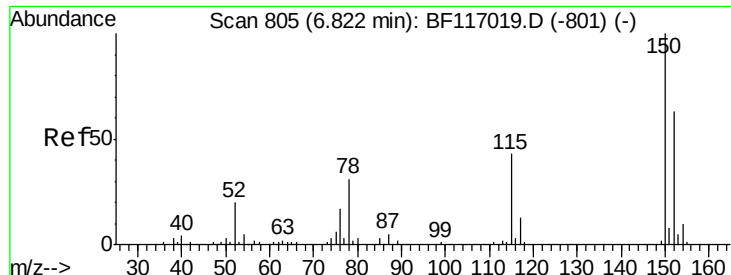
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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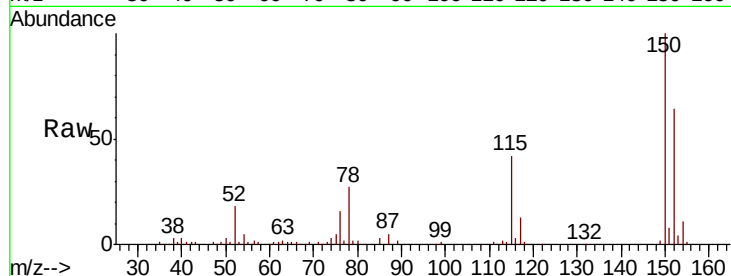


#1

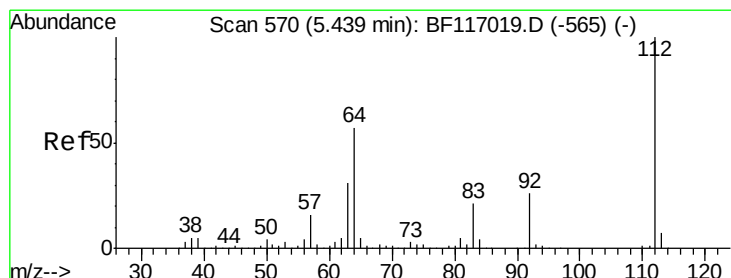
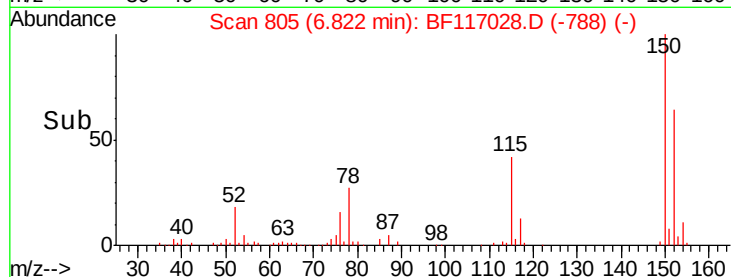
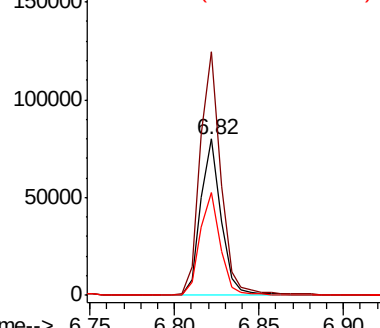
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117028.D
Acq: 13 Sep 2019 17:58

Instrument :
BNA_F
ClientSampleId :
MW-2

Tot Ion:152 Resp: 67937
Ion Ratio Lower Upper
152 100
150 155.9 127.5 191.3
115 66.2 55.0 82.4



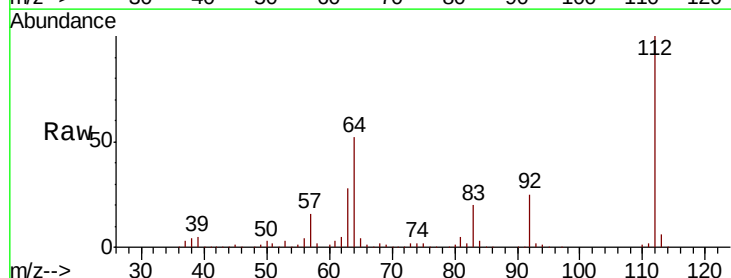
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



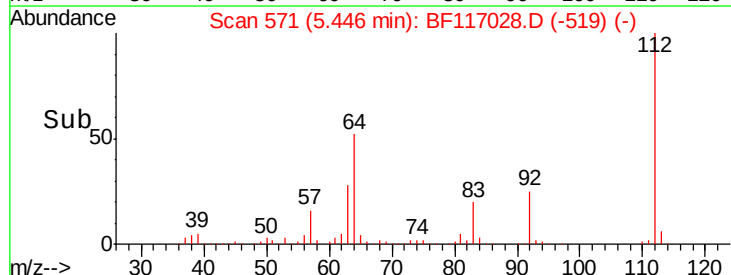
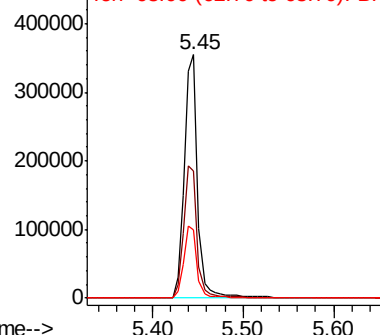
#5

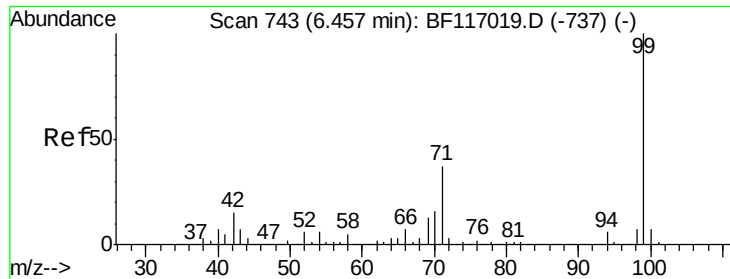
2-Fluorophenol
Concen: 85.158 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF117028.D
Acq: 13 Sep 2019 17:58

Tgt Ion:112 Resp: 370561
Ion Ratio Lower Upper
112 100
64 52.5 45.7 68.5
63 28.2 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: 64.618 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF117028.D

Acq: 13 Sep 2019 17:58

Instrument :

BNA_F

ClientSampled :

MW-2

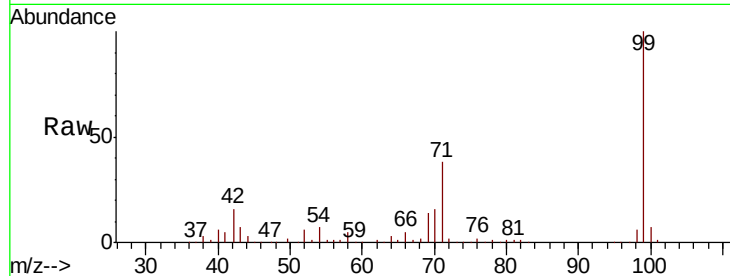
Tot Ion: 99 Resp: 363390

Ion Ratio Lower Upper

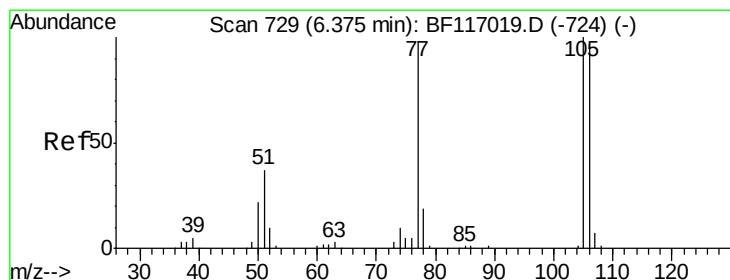
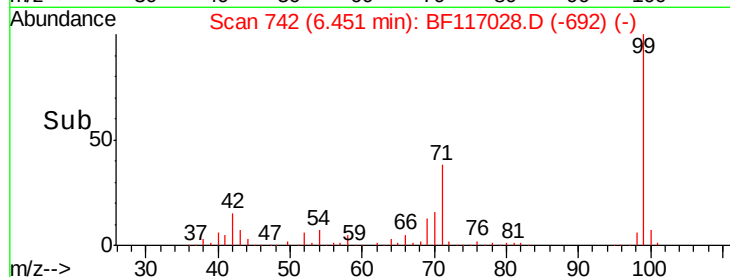
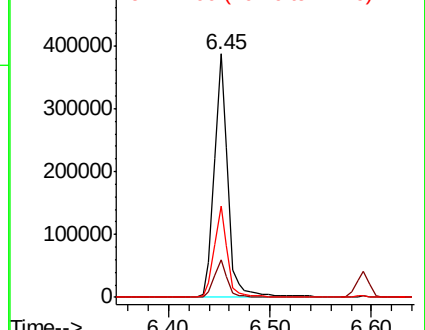
99 100

42 15.5 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: 6.37 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF117028.D

Acq: 13 Sep 2019 17:58

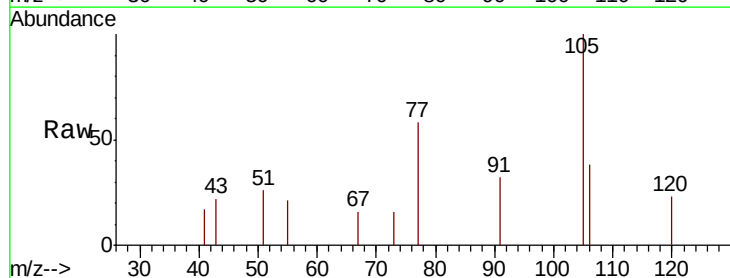
Tgt Ion: 77 Resp: 1232

Ion Ratio Lower Upper

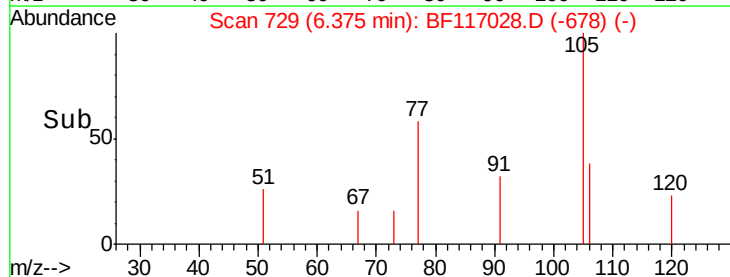
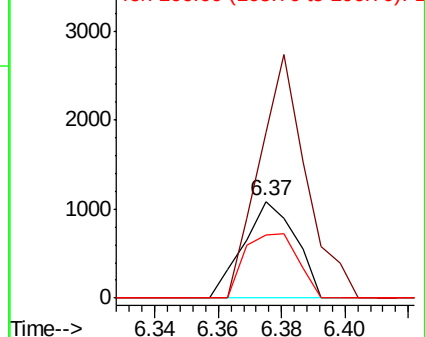
77 100

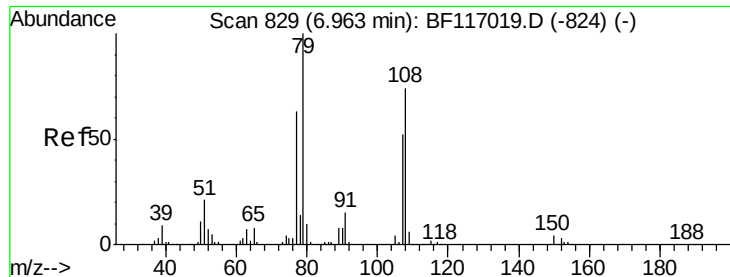
105 172.0 81.8 121.8#

106 65.5 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: 2.427 ng

RT: 6.98 min Scan# 832

Delta R.T. 0.02 min

Lab File: BF117028.D

Acq: 13 Sep 2019 17:58

Instrument :

BNA_F

ClientSampled :

MW-2

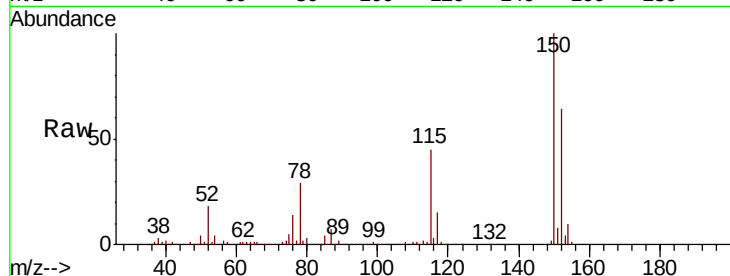
Tot Ion: 79 Resp: 10467

Ion Ratio Lower Upper

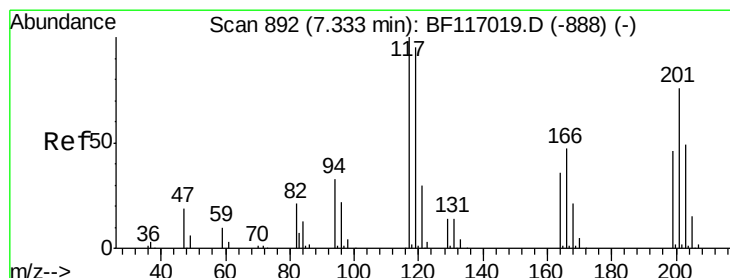
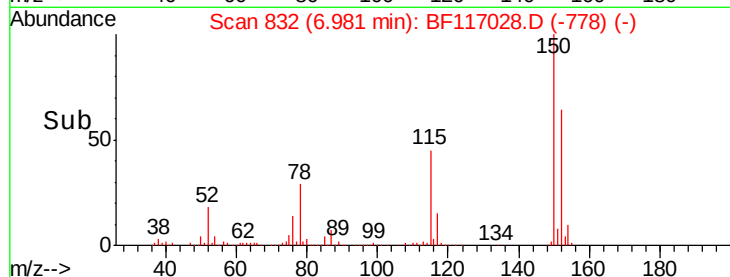
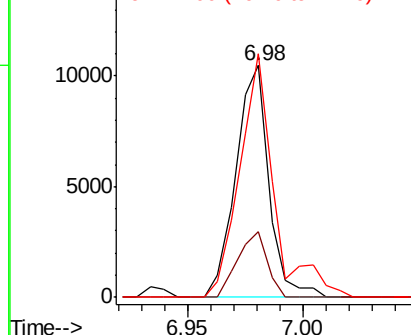
79 100

108 28.3 59.4 89.0#

77 105.2 50.2 75.2#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1



#18

Hexachloroethane

Concen: 3.555 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.02 min

Lab File: BF117028.D

Acq: 13 Sep 2019 17:58

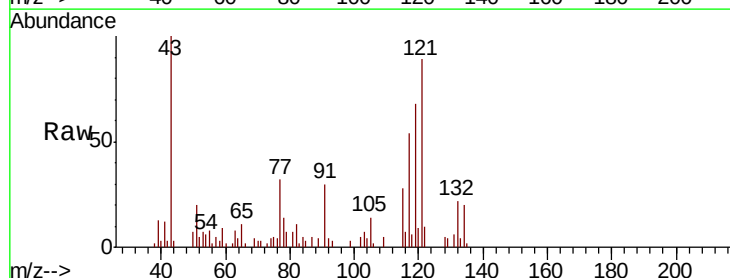
Tgt Ion: 117 Resp: 7352

Ion Ratio Lower Upper

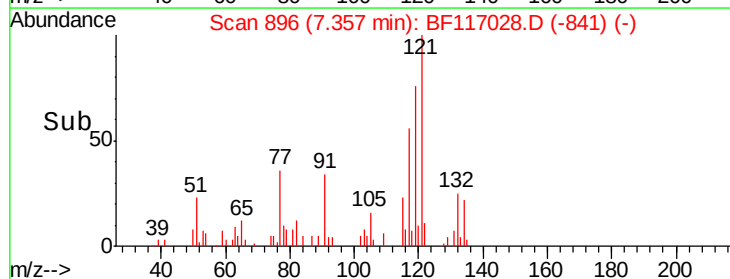
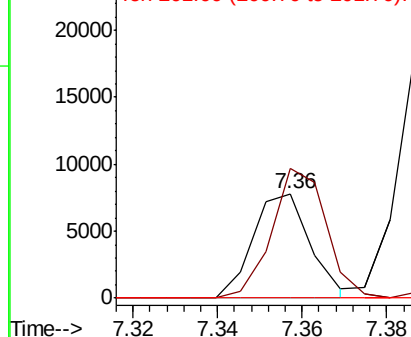
117 100

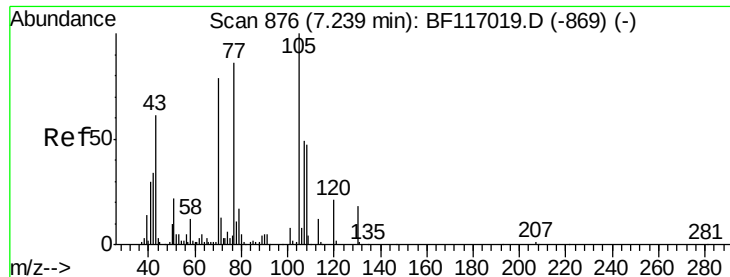
119 124.7 75.8 113.8#

201 0.0 60.9 91.3#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

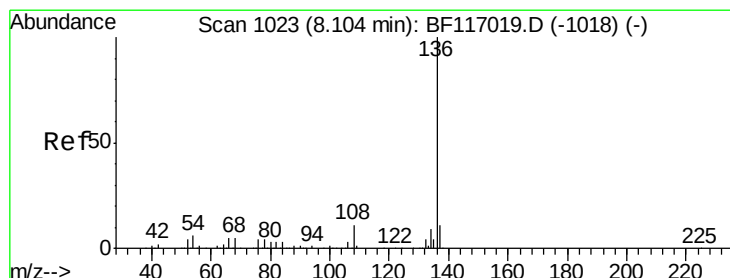
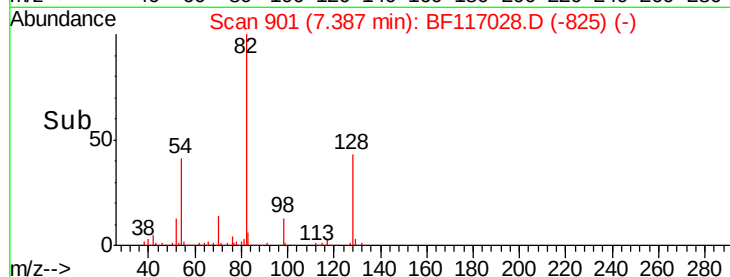
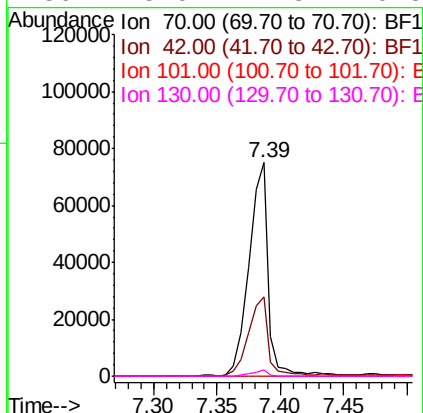
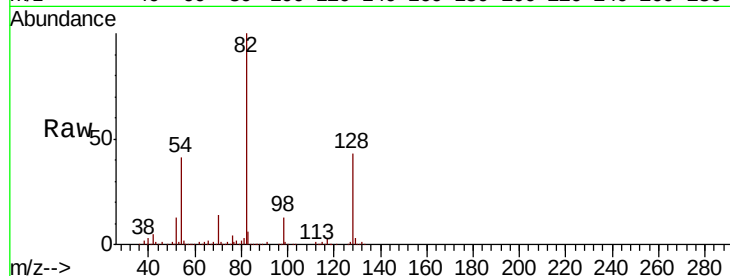




#19
n-Nitroso-di-n-propylamine
Concen: 23.208 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.15 min
Lab File: BF117028.D
Acq: 13 Sep 2019 17:58

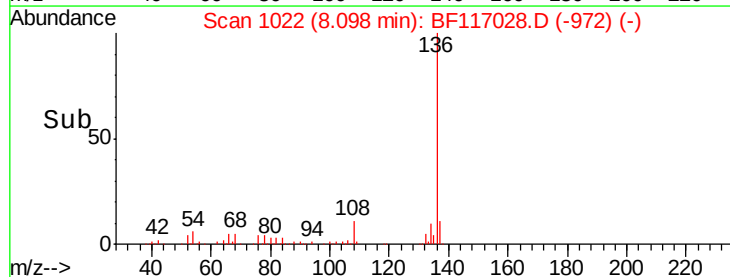
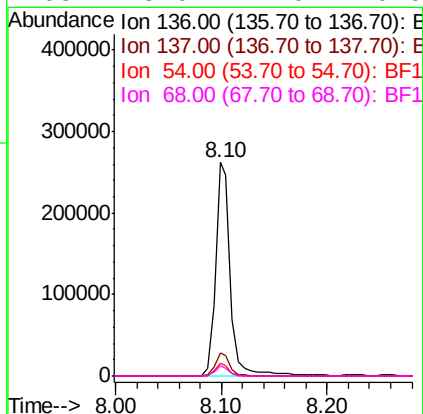
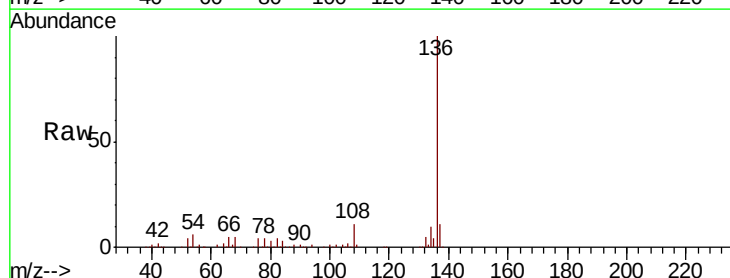
Instrument :
BNA_F
ClientSampled :
MW-2

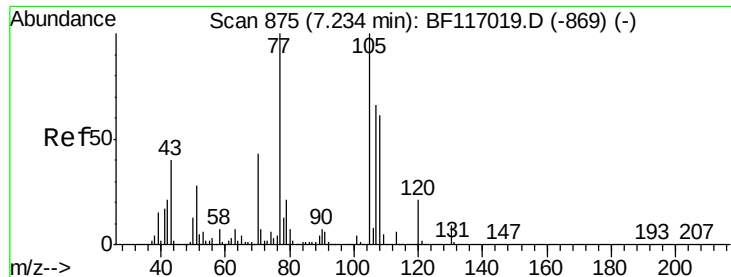
Tot Ion: 70 Resp: 79474
Ion Ratio Lower Upper
70 100
42 37.1 34.0 51.0
101 0.0 7.8 11.6#
130 3.0 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF117028.D
Acq: 13 Sep 2019 17:58

Tgt Ion: 136 Resp: 260700
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.4
54 5.8 4.5 6.7
68 5.0 4.0 6.0





#22

Acetophenone

Concen: 2.440 ng

RT: 7.22 min Scan# 873

Delta R.T. -0.01 min

Lab File: BF117028.D

Acq: 13 Sep 2019 17:58

Instrument :

BNA_F

ClientSampleId :

MW-2

Tot Ion:105 Resp: 16160

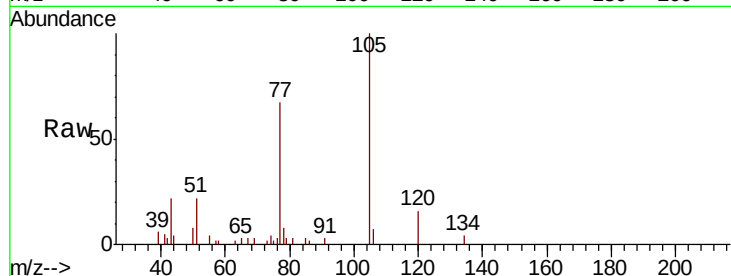
Ion Ratio Lower Upper

105 100

71 0.0 5.7 8.5#

51 22.2 22.1 33.1

120 16.3 17.1 25.7#

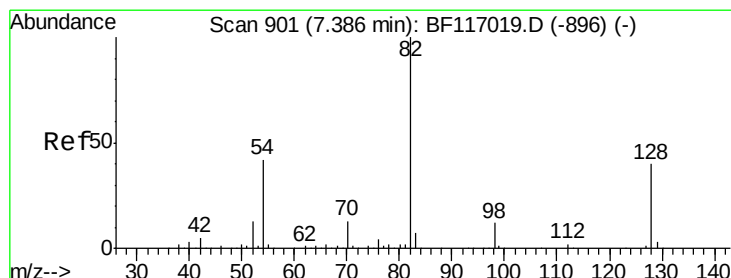
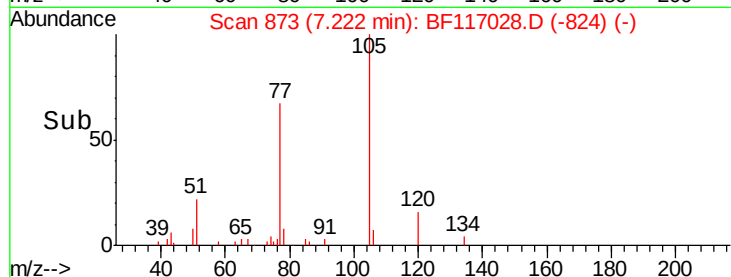
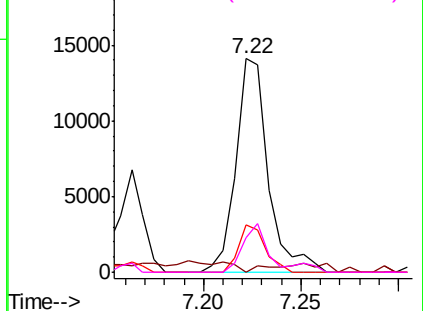


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 117.991 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.00 min

Lab File: BF117028.D

Acq: 13 Sep 2019 17:58

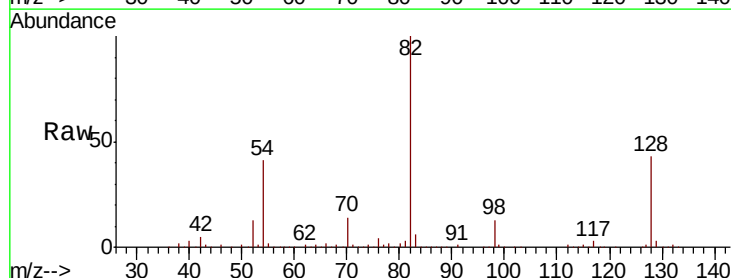
Tgt Ion: 82 Resp: 585434

Ion Ratio Lower Upper

82 100

128 42.6 32.3 48.5

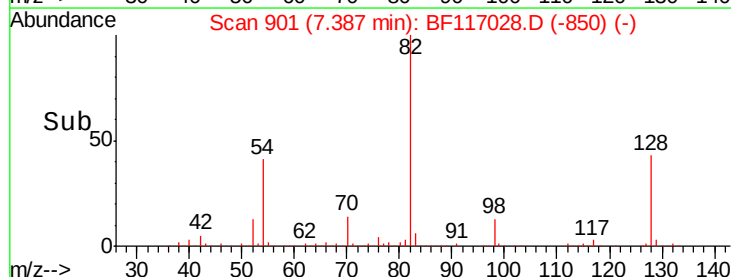
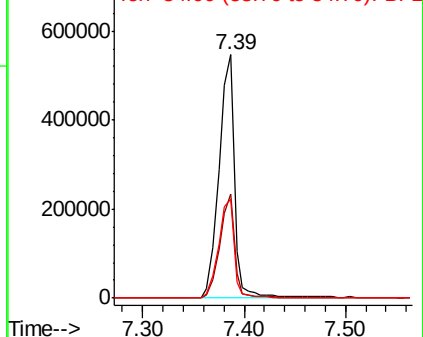
54 40.7 33.3 49.9

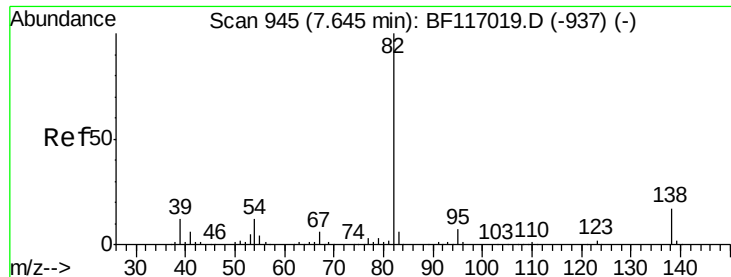


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

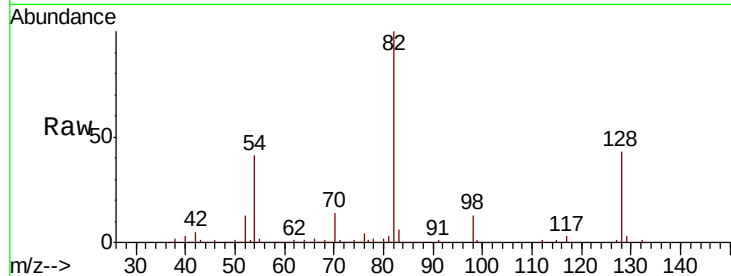




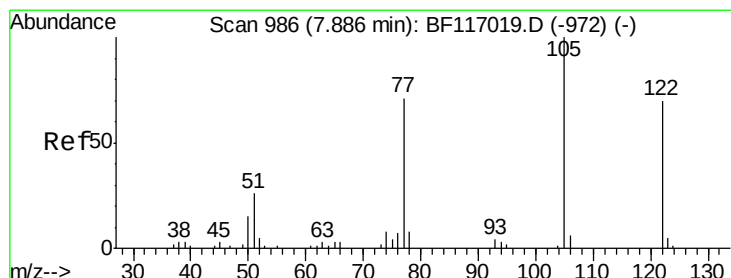
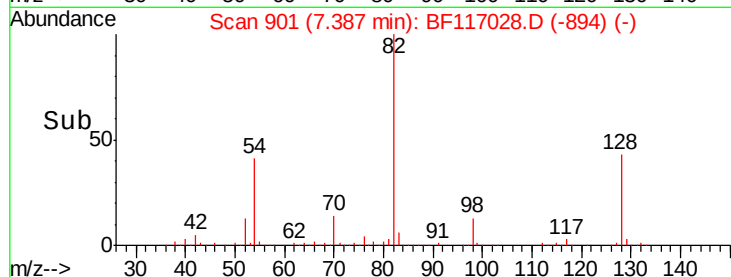
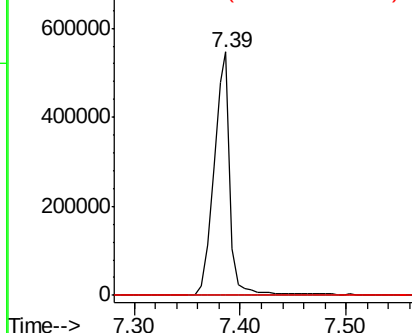
#25
Isophorone
Concen: 66.639 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.26 min
Lab File: BF117028.D
Acq: 13 Sep 2019 17:58

Instrument :
BNA_F
ClientSampleId :
MW-2

Tot Ion: 82 Resp: 585428
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 13.5 20.3#

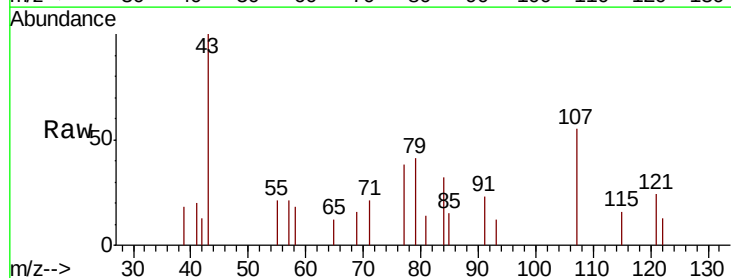


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

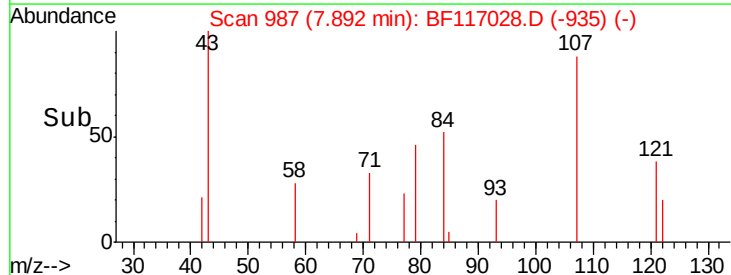
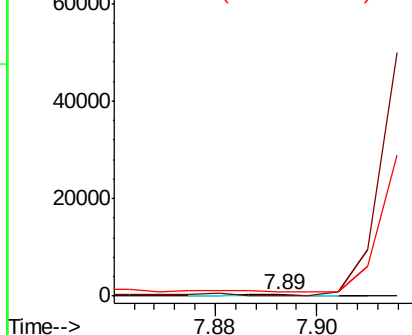


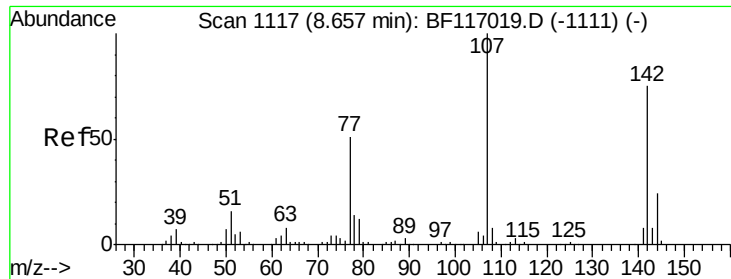
#32
Benzoic acid
Concen: 6.671 ng
RT: 7.89 min Scan# 987
Delta R.T. 0.01 min
Lab File: BF117028.D
Acq: 13 Sep 2019 17:58

Tgt Ion: 122 Resp: 225
Ion Ratio Lower Upper
122 100
105 0.0 114.8 154.8#
77 298.2 78.7 118.7#



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

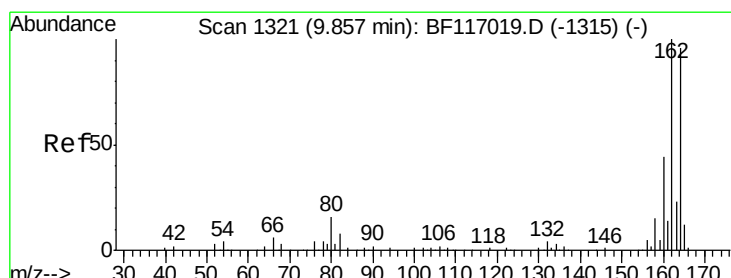
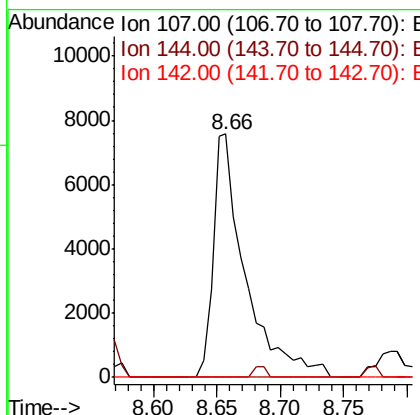
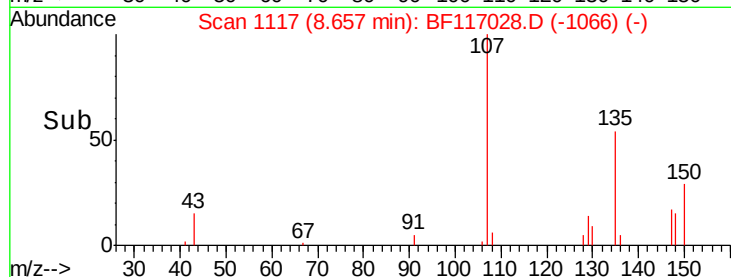
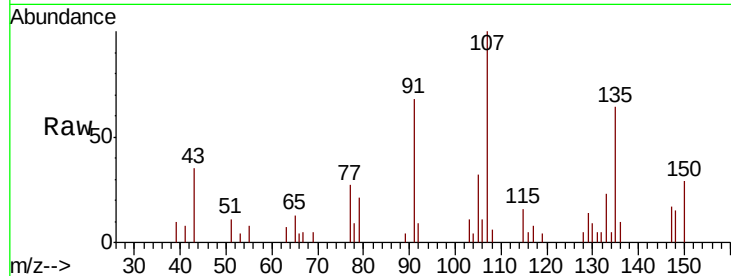




#36
 4-Chloro-3-methylphenol
 Concen: 3.281 ng
 RT: 8.66 min Scan# 1117
 Delta R.T. 0.00 min
 Lab File: BF117028.D
 Acq: 13 Sep 2019 17:58

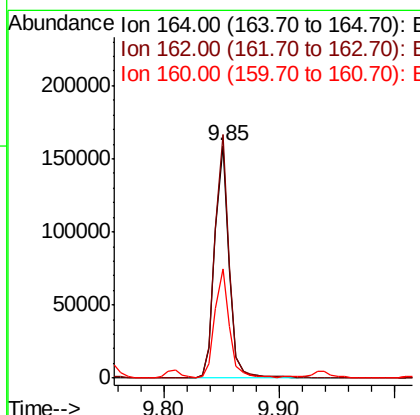
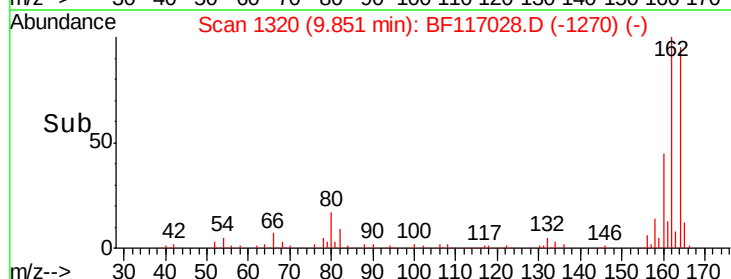
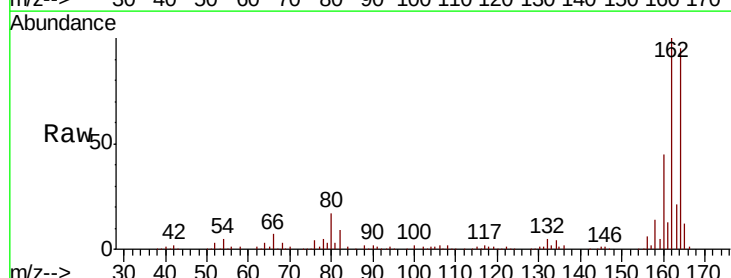
Instrument :
 BNA_F
 ClientSampleId :
 MW-2

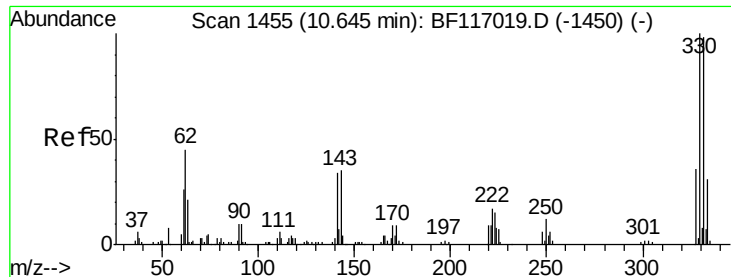
Tot Ion:107 Resp: 13378
 Ion Ratio Lower Upper
 107 100
 144 0.0 19.2 28.8#
 142 0.0 59.6 89.4#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BF117028.D
 Acq: 13 Sep 2019 17:58

Tgt Ion:164 Resp: 136904
 Ion Ratio Lower Upper
 164 100
 162 104.9 83.4 125.2
 160 46.8 36.4 54.6





#42

2,4,6-Tribromophenol

Concen: 175.359 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF117028.D

Acq: 13 Sep 2019 17:58

Instrument :

BNA_F

ClientSampleId :

MW-2

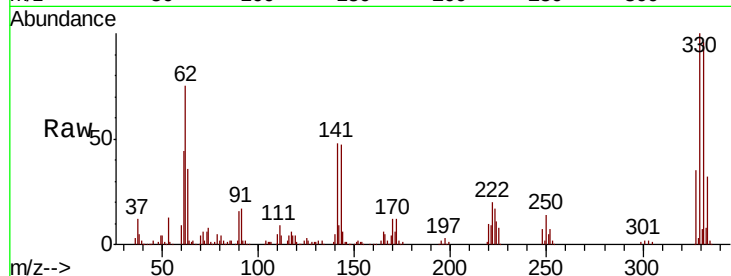
Tot Ion:330 Resp: 200647

Ion Ratio Lower Upper

330 100

332 96.8 78.0 117.0

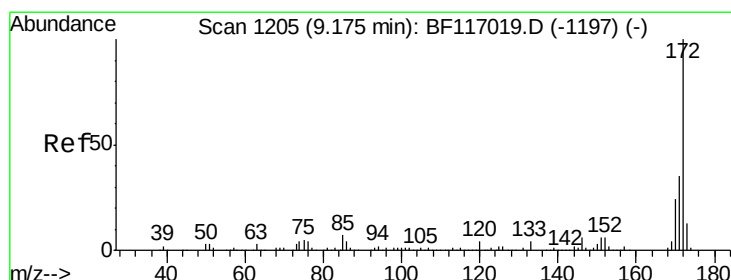
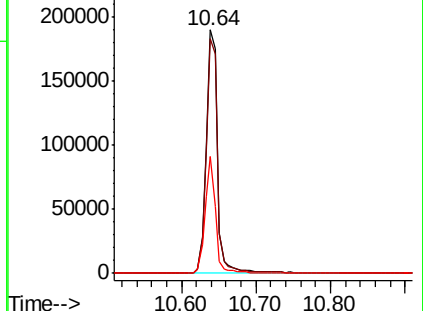
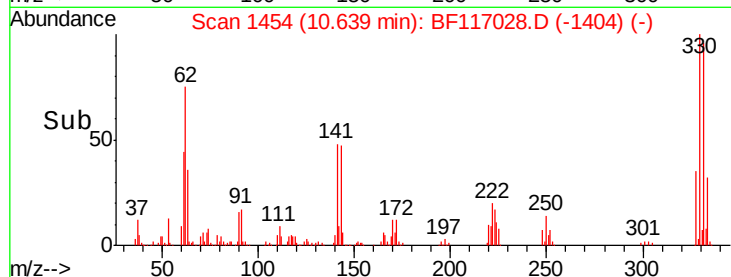
141 44.1 35.8 53.6



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: 113.934 ng

RT: 9.17 min Scan# 1205

Delta R.T. 0.00 min

Lab File: BF117028.D

Acq: 13 Sep 2019 17:58

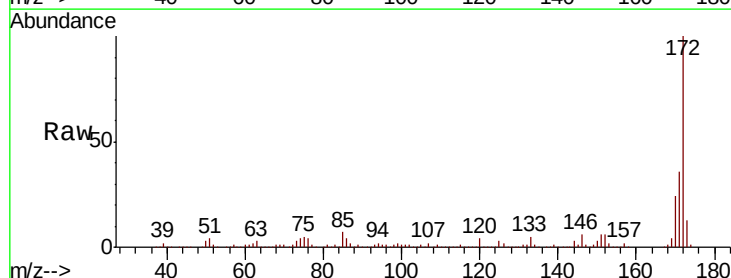
Tgt Ion:172 Resp: 997584

Ion Ratio Lower Upper

172 100

171 35.9 28.2 42.2

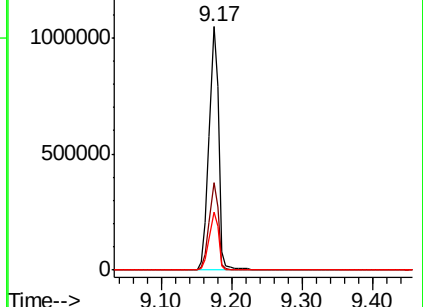
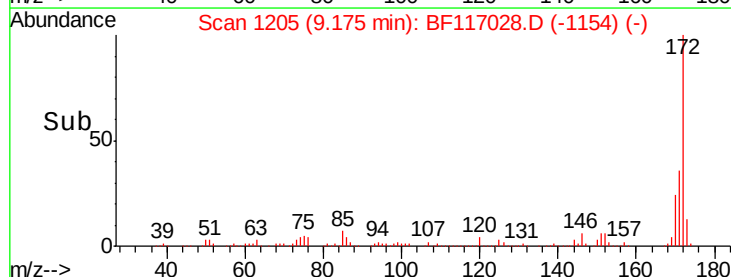
170 24.1 18.9 28.3

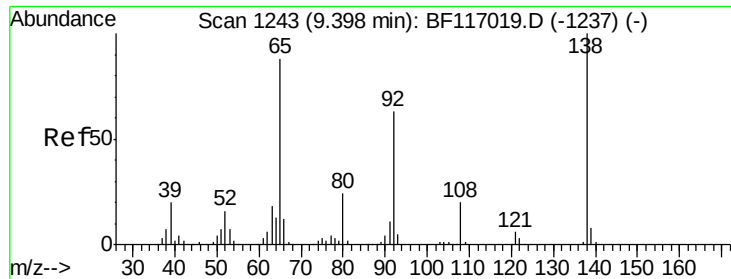


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

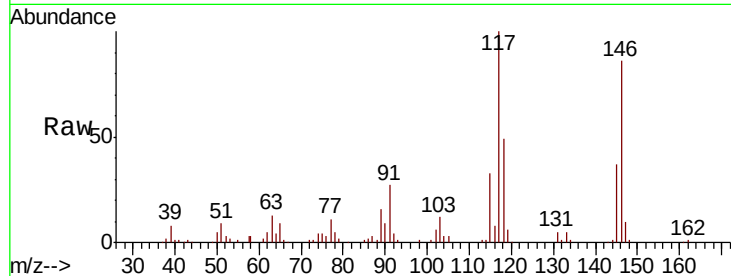




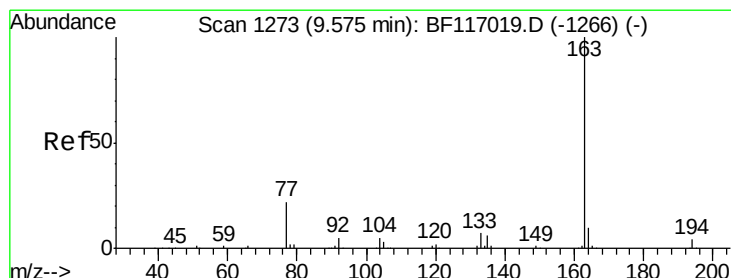
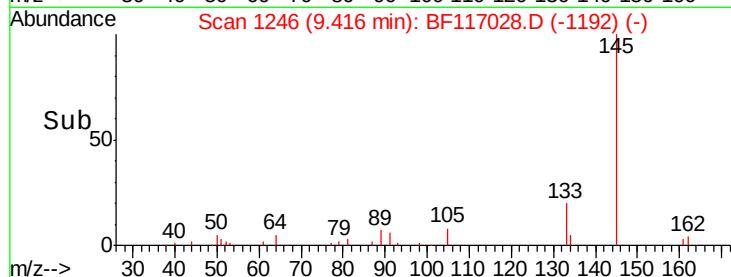
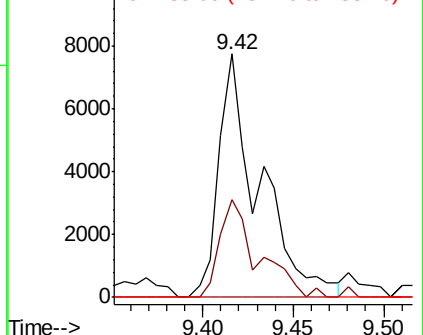
#48
2-Nitroaniline
Concen: 4.444 ng
RT: 9.42 min Scan# 1246
Delta R.T. 0.02 min
Lab File: BF117028.D
Acq: 13 Sep 2019 17:58

Instrument :
BNA_F
ClientSampleId :
MW-2

Tot Ion: 65 Resp: 12081
Ion Ratio Lower Upper
65 100
92 40.4 57.5 86.3#
138 0.0 90.6 136.0#

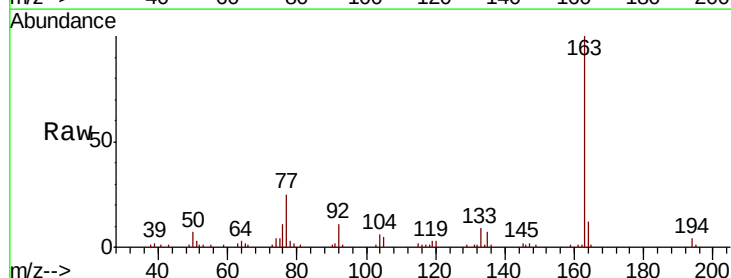


Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

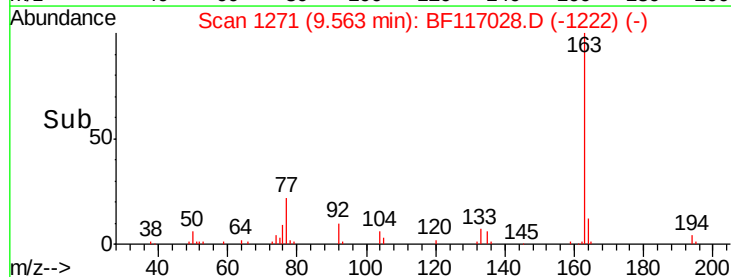
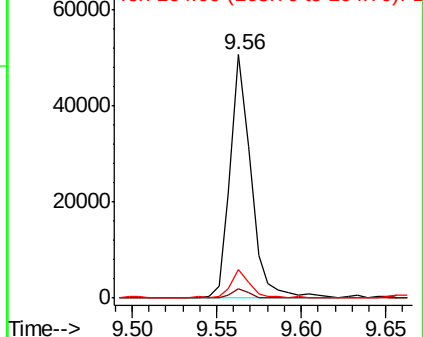


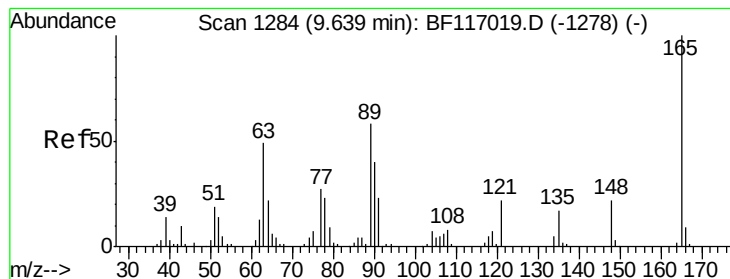
#50
Dimethylphthalate
Concen: 4.524 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF117028.D
Acq: 13 Sep 2019 17:58

Tgt Ion:163 Resp: 43856
Ion Ratio Lower Upper
163 100
194 3.7 2.9 4.3
164 11.5 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

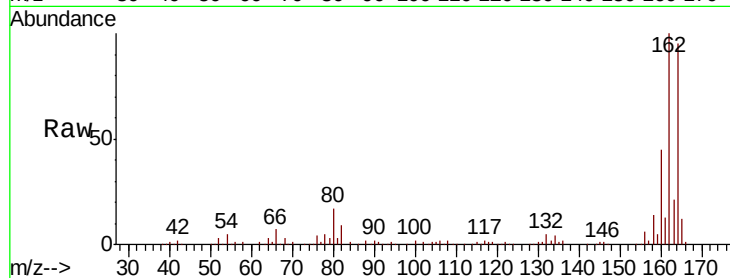




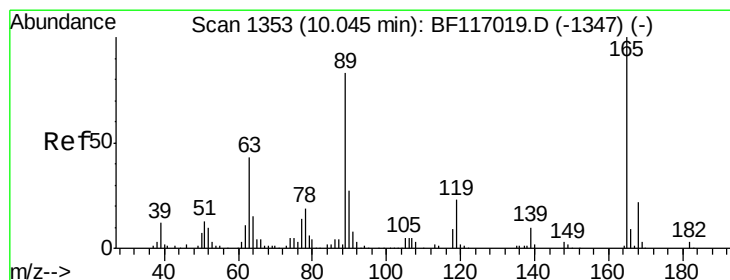
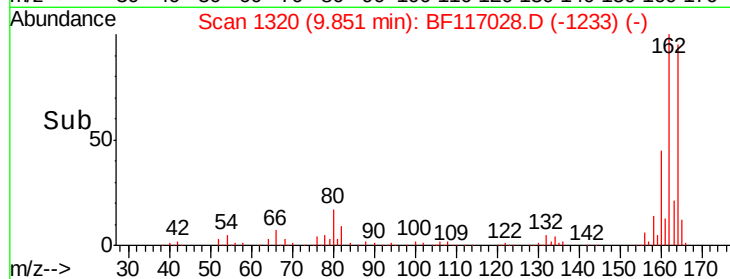
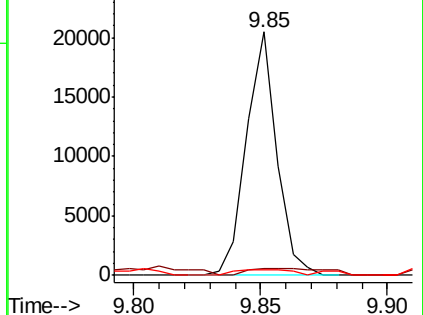
#51
 2,6-Dinitrotoluene
 Concen: 8.682 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.21 min
 Lab File: BF117028.D
 Acq: 13 Sep 2019 17:58

Instrument :
 BNA_F
 ClientSampleId :
 MW-2

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.9	41.8	62.8#
89	2.5	46.5	69.7#

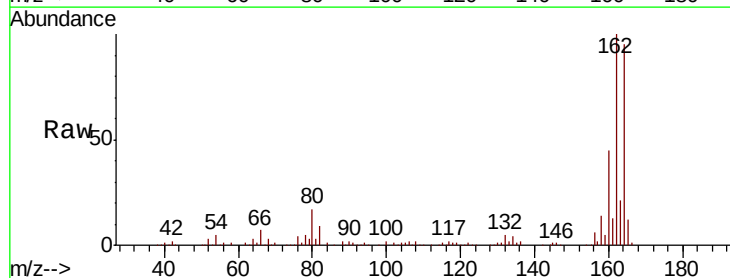


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

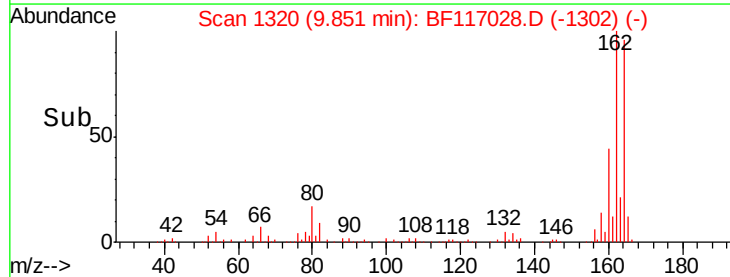
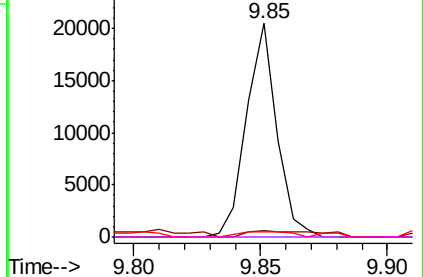


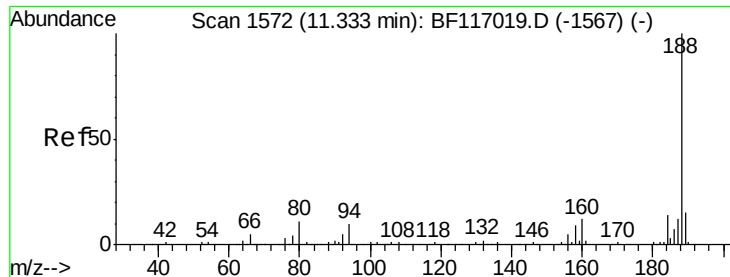
#57
 2,4-Dinitrotoluene
 Concen: 6.688 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF117028.D
 Acq: 13 Sep 2019 17:58

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.9	35.0	52.4#
89	2.5	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

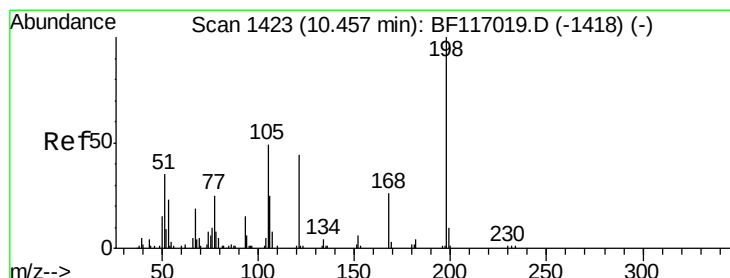
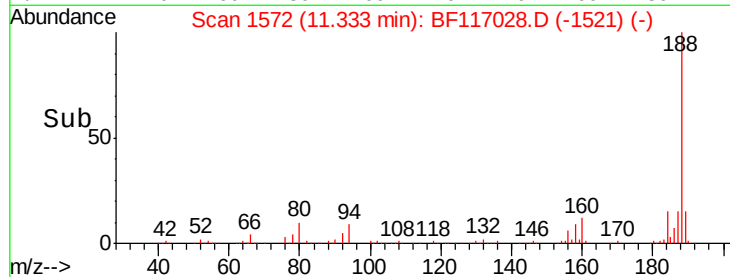
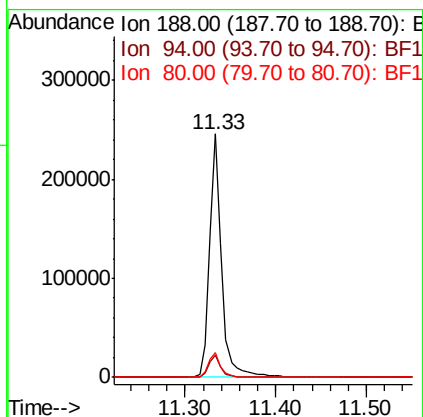
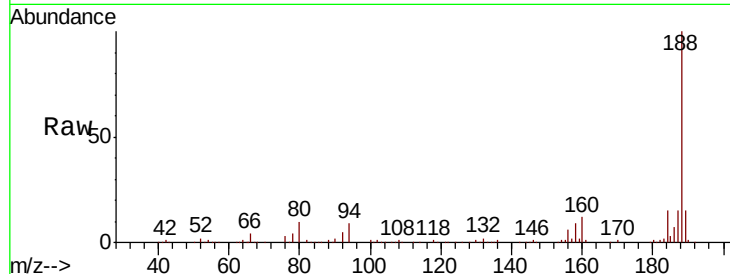




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BF117028.D
Acq: 13 Sep 2019 17:58

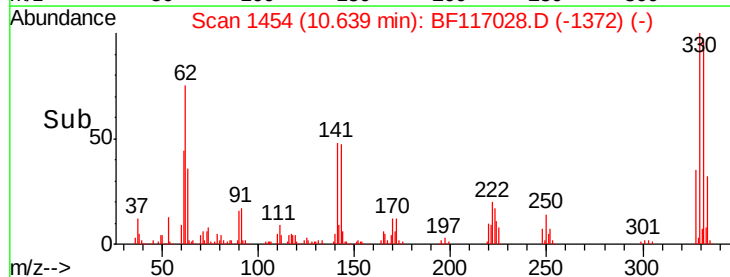
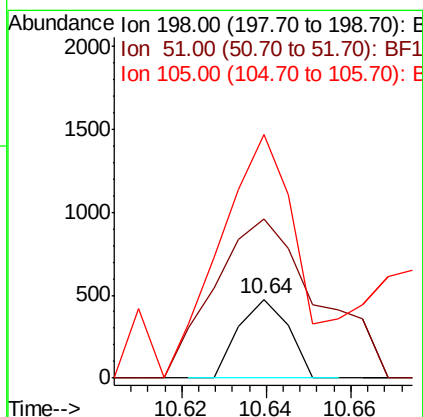
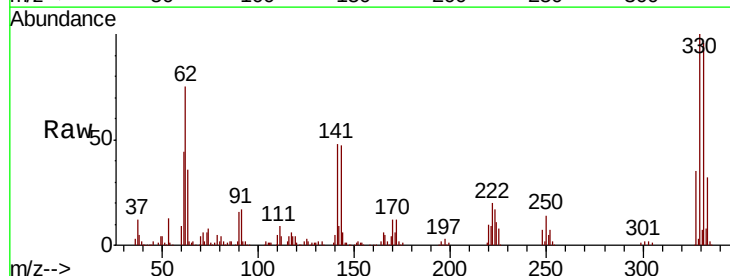
Instrument :
BNA_F
ClientSampleId :
MW-2

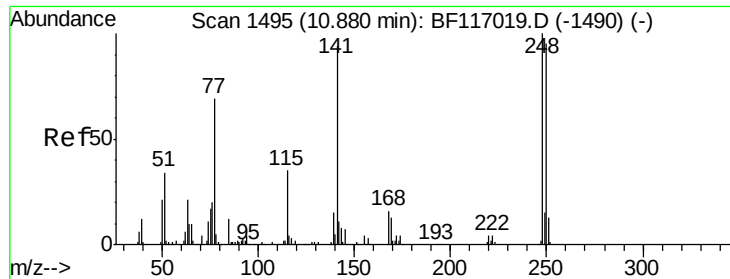
Tot Ion:188 Resp: 232691
Ion Ratio Lower Upper
188 100
94 8.9 8.2 12.2
80 10.3 9.0 13.6



#65
4,6-Dinitro-2-methylphenol
Concen: 7.216 ng
RT: 10.64 min Scan# 1454
Delta R.T. 0.18 min
Lab File: BF117028.D
Acq: 13 Sep 2019 17:58

Tgt Ion:198 Resp: 388
Ion Ratio Lower Upper
198 100
51 201.3 18.7 58.7#
105 308.8 30.2 70.2#

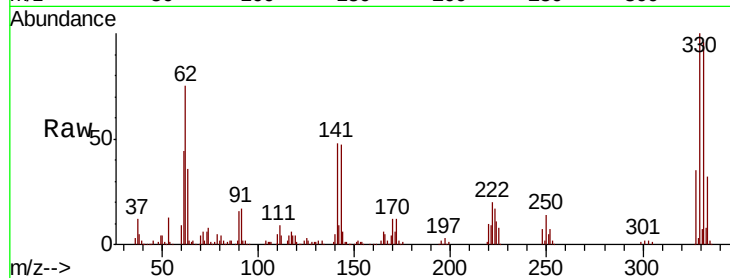




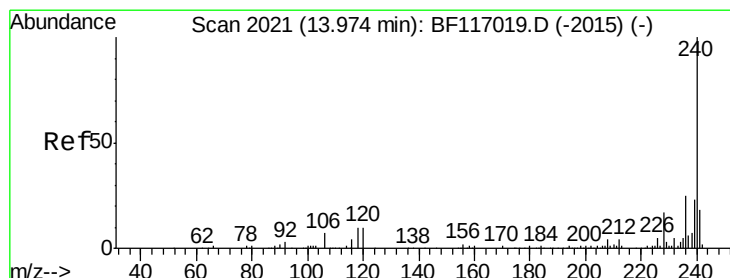
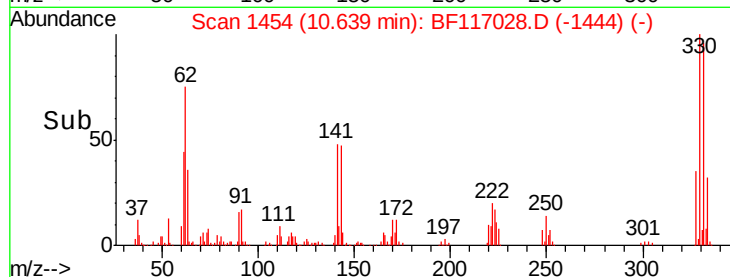
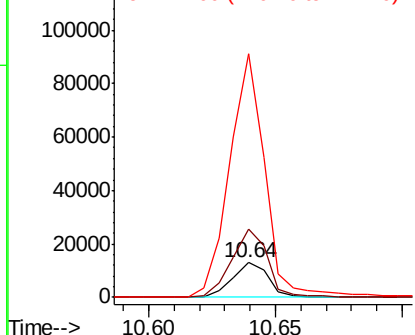
#67
 4-Bromophenyl-phenylether
 Concen: 5.437 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF117028.D
 Acq: 13 Sep 2019 17:58

Instrument :
 BNA_F
 ClientSampleId :
 MW-2

Tot Ion:248 Resp: 12919
 Ion Ratio Lower Upper
 248 100
 250 198.2 76.2 114.4#
 141 702.2 75.0 112.4#

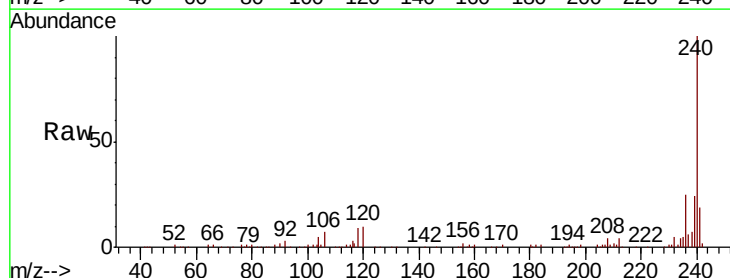


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

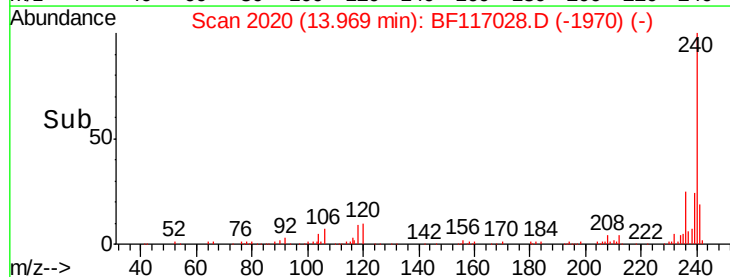
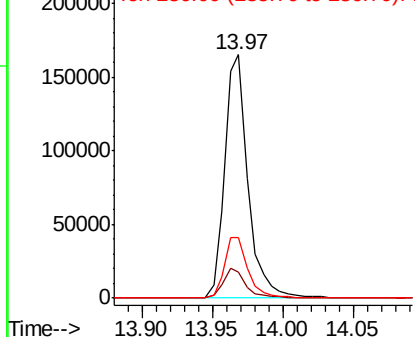


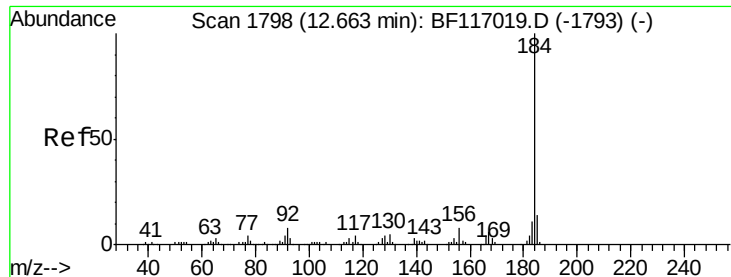
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF117028.D
 Acq: 13 Sep 2019 17:58

Tgt Ion:240 Resp: 189225
 Ion Ratio Lower Upper
 240 100
 120 10.4 8.3 12.5
 236 24.9 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: 2.534 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.25 min

Lab File: BF117028.D

Acq: 13 Sep 2019 17:58

Instrument :

BNA_F

ClientSampleId :

MW-2

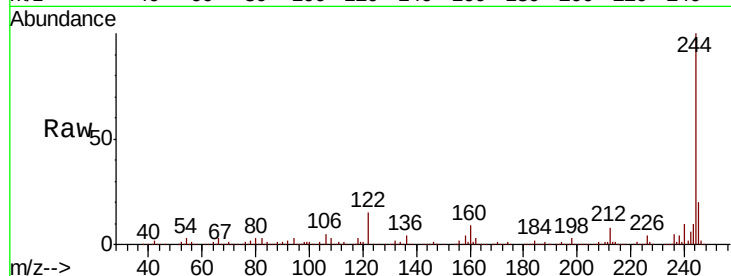
Tot Ion:184 Resp: 15448

Ion Ratio Lower Upper

184 100

185 13.7 11.6 17.4

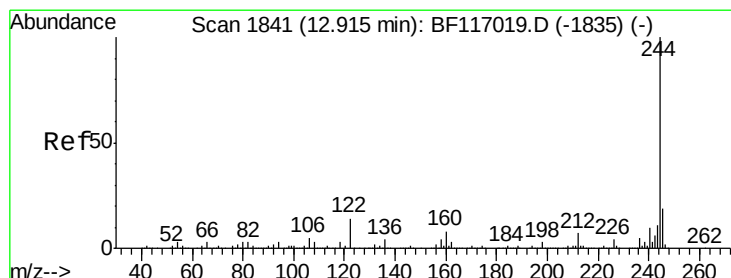
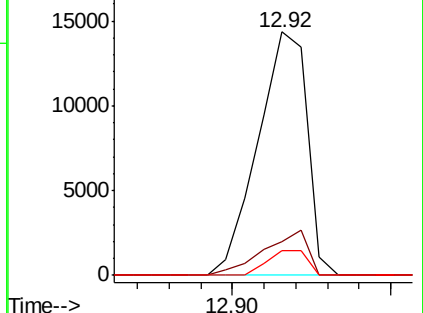
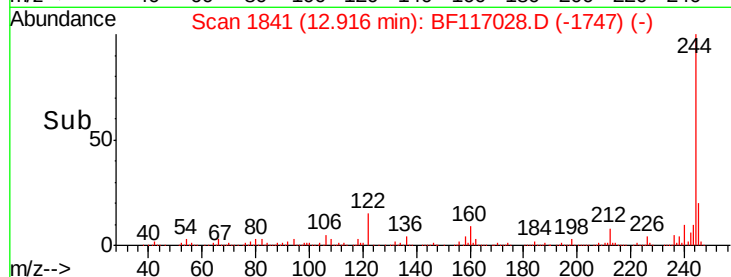
183 10.3 9.0 13.4



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: 105.846 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.01 min

Lab File: BF117028.D

Acq: 13 Sep 2019 17:58

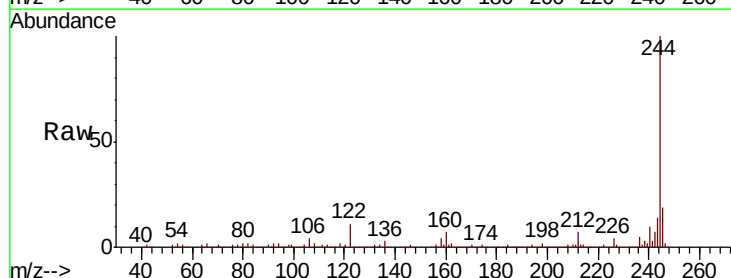
Tgt Ion:244 Resp: 1071495

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

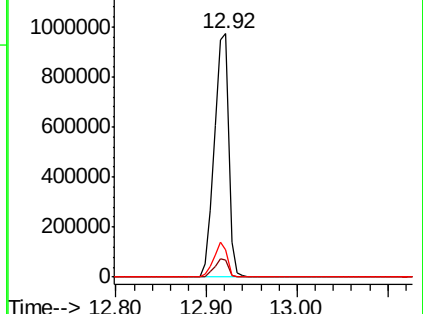
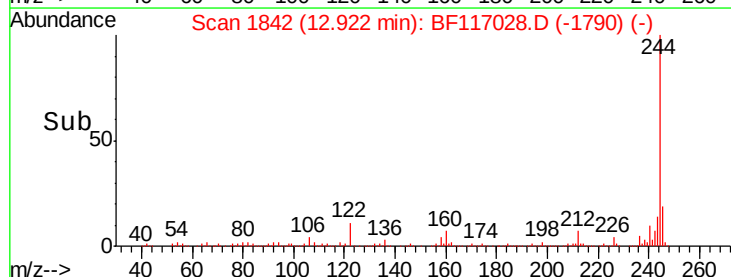
122 11.4 11.3 16.9

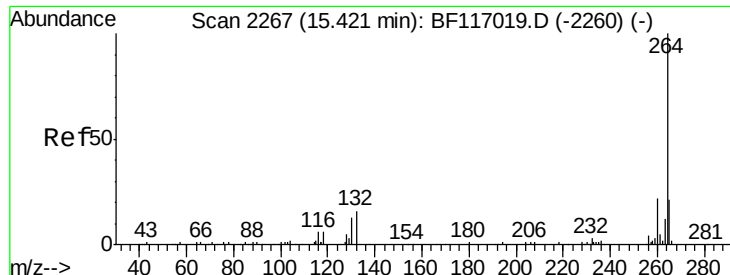


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

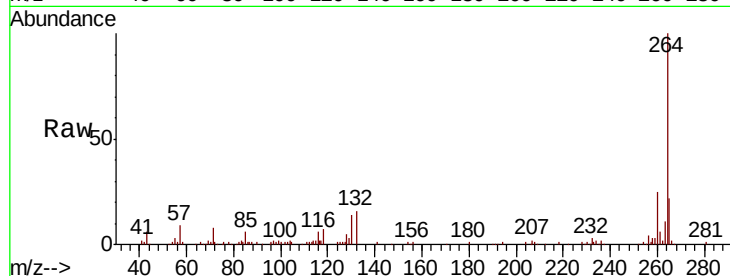




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.42 min Scan# 2266
 Delta R.T. -0.01 min
 Lab File: BF117028.D
 Acq: 13 Sep 2019 17:58

Instrument :
 BNA_F
 ClientSampleId :
 MW-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	17.6	26.4
265	22.5	16.6	24.8



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

