

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091719\
 Data File : BF117100.D
 Acq On : 17 Sep 2019 12:24
 Operator : HP/JU
 Sample : K4887-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 17 17:52:40 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	64958	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	255915	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	132762	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	219697	20.00	ng	0.00
76) Chrysene-d12	13.97	240	163892	20.00	ng	0.00
87) Perylene-d12	15.42	264	133233	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	211716	50.89	ng	0.00
7) Phenol-d6	6.46	99	173884	32.34	ng	0.00
23) Nitrobenzene-d5	7.39	82	456786	93.78	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	165456	149.12	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	805500	94.87	ng	0.00
79) Terphenyl-d14	12.92	244	766397	87.41	ng	0.00

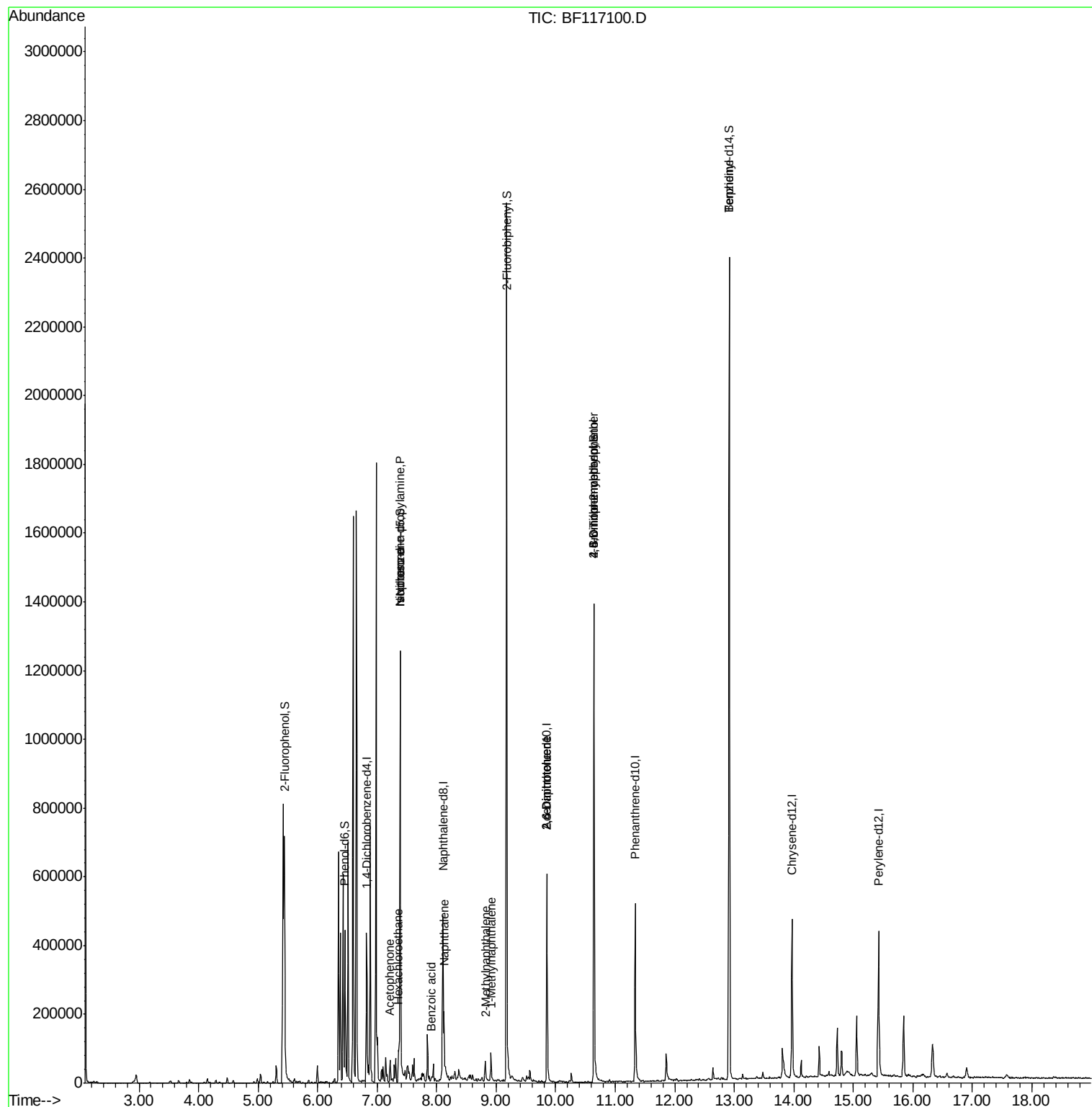
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.38	77	18361	Below Cal		# 1
18) Hexachloroethane	7.36	117	8577	4.338	ng	# 1
19) n-Nitroso-di-n-propylamine	7.39	70	61206	18.693	ng	# 79
22) Acetophenone	7.22	105	25259	3.885	ng	# 58
25) Isophorone	7.39	82	456782	52.967	ng	# 66
31) Naphthalene	8.12	128	82473	6.701	ng	# 99
32) Benzoic acid	7.91	122	112	6.633	ng	# 23
37) 2-Methylnaphthalene	8.82	142	19385	2.339	ng	# 98
38) 1-Methylnaphthalene	8.91	142	24527	3.160	ng	# 97
51) 2,6-Dinitrotoluene	9.85	165	16697	8.721	ng	# 25
57) 2,4-Dinitrotoluene	9.85	165	16698	6.719	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.65	198	336	7.190	ng	# 1
67) 4-Bromophenyl-phenylether	10.64	248	10420	4.644	ng	# 1
77) Benzidine	12.92	184	10726	2.032	ng	# 96

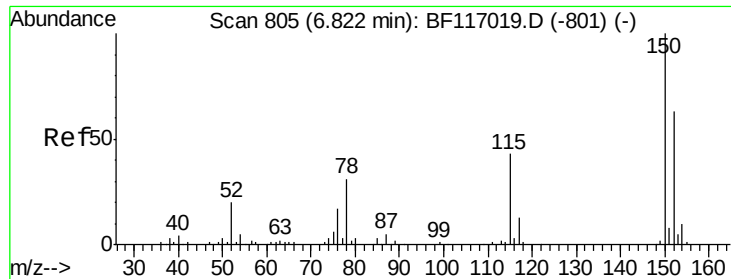
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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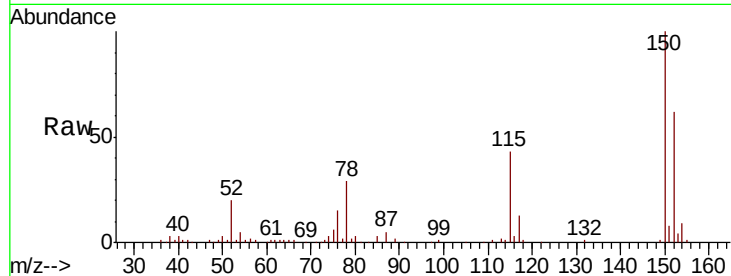


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117100.D
Acq: 17 Sep 2019 12:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.7	127.5	191.3
115	68.4	55.0	82.4

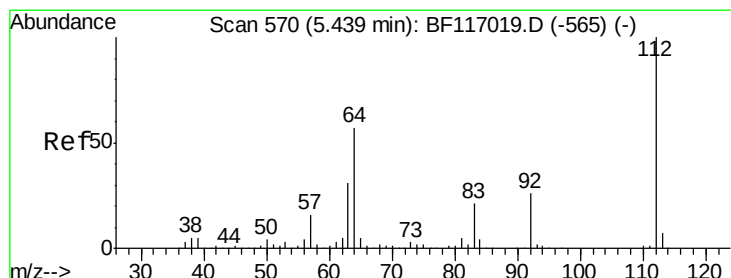
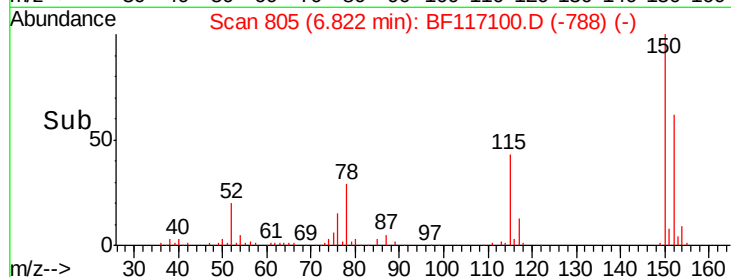
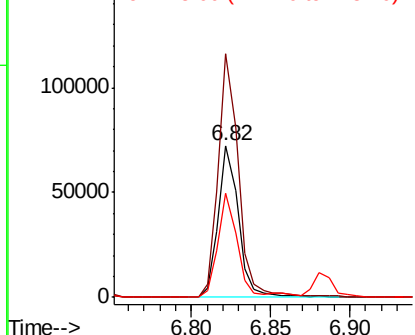


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

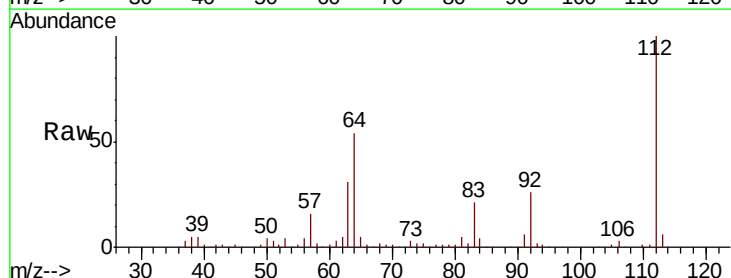
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 50.885 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF117100.D
Acq: 17 Sep 2019 12:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.0	45.7	68.5
63	30.6	24.9	37.3

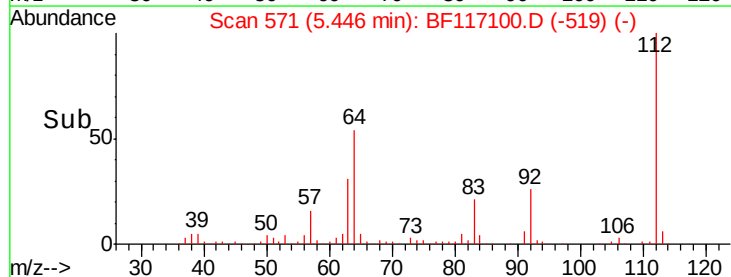
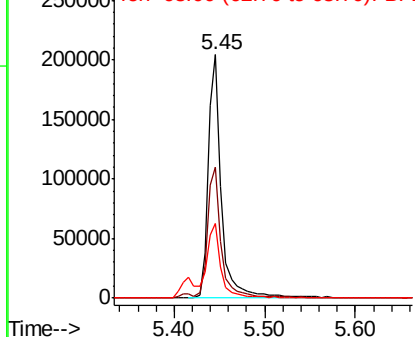


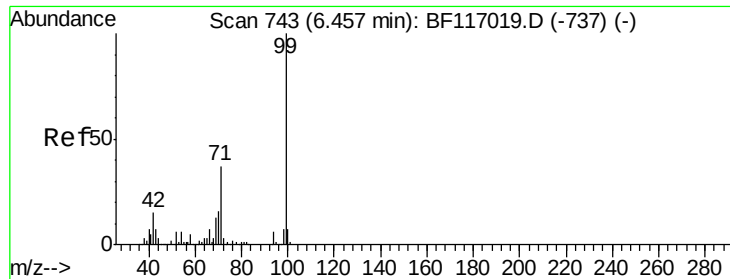
Abundance

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: 32.338 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF117100.D

Acq: 17 Sep 2019 12:24

Instrument :

BNA_F

ClientSampleId :

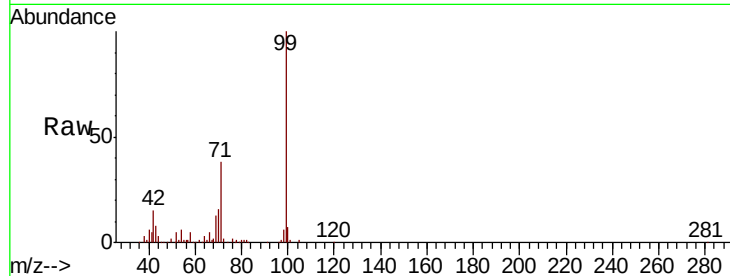
Tot Ion: 99 Resp: 173884

Ion Ratio Lower Upper

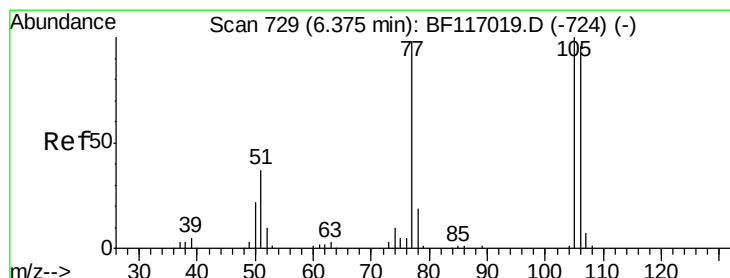
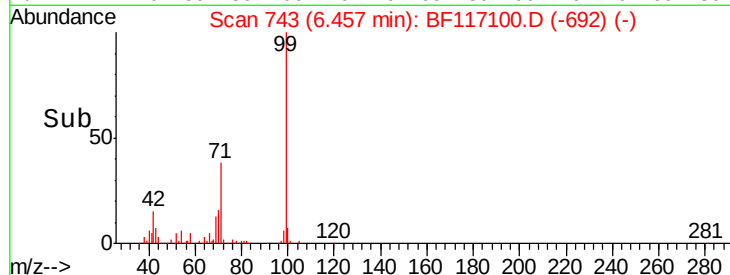
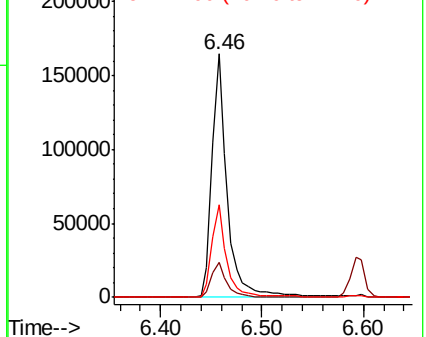
99 100

42 14.6 12.2 18.2

71 37.8 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: 6.38 min Scan# 730

Delta R.T. 0.01 min

Lab File: BF117100.D

Acq: 17 Sep 2019 12:24

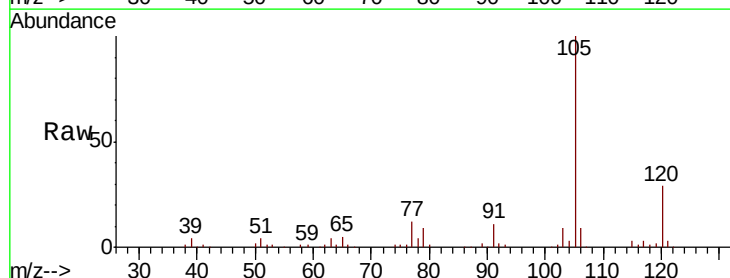
Tgt Ion: 77 Resp: 18361

Ion Ratio Lower Upper

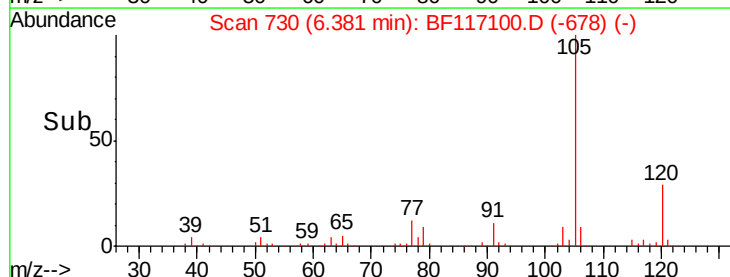
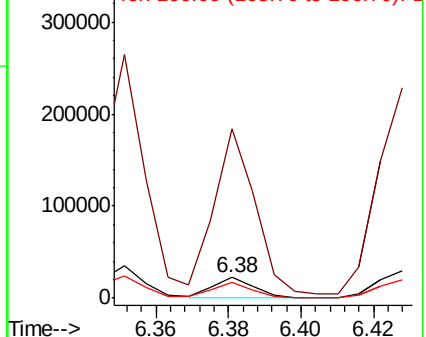
77 100

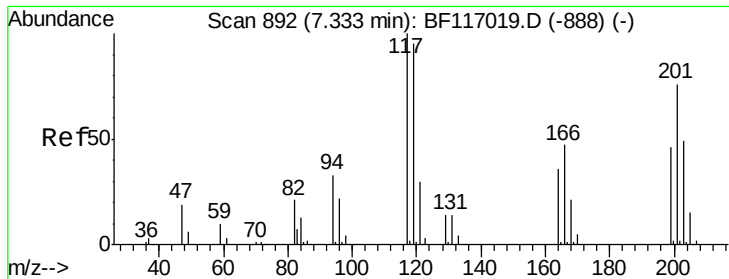
105 824.0 81.8 121.8#

106 74.7 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

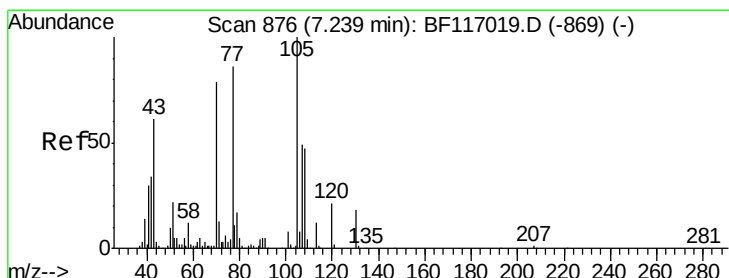
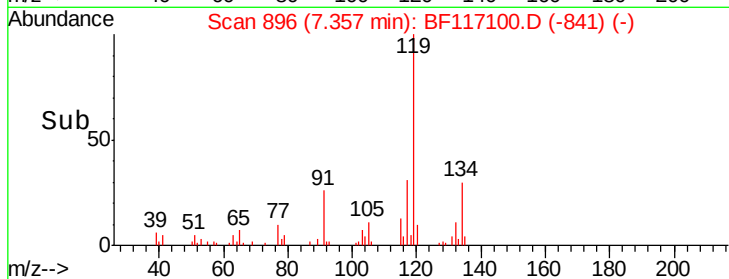
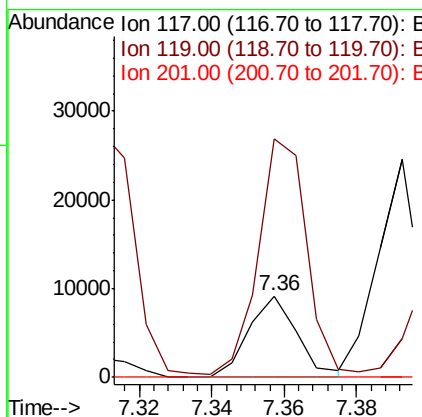
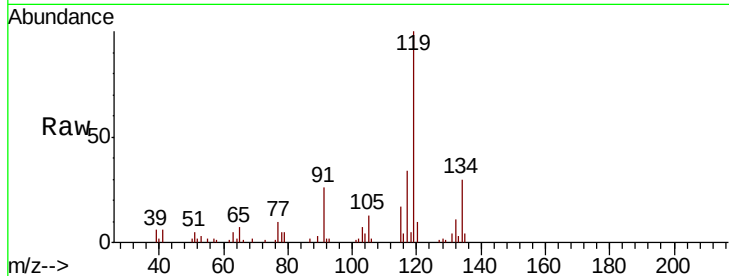




#18
Hexachloroethane
Concen: 4.338 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.02 min
Lab File: BF117100.D
Acq: 17 Sep 2019 12:24

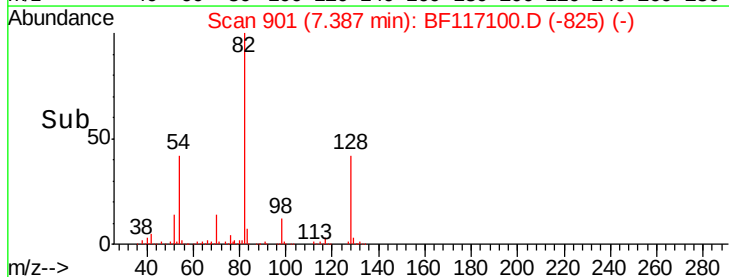
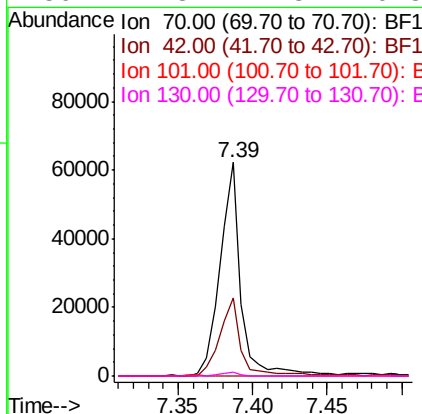
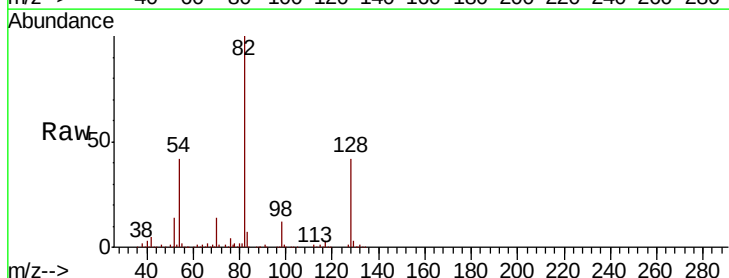
Instrument :
BNA_F
ClientSampleId :

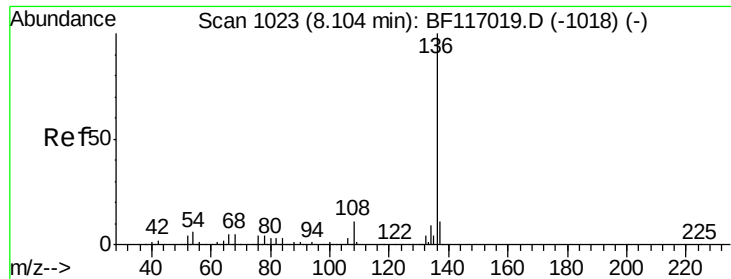
Tot Ion:117 Resp: 8577
Ion Ratio Lower Upper
117 100
119 293.6 75.8 113.8#
201 0.0 60.9 91.3#



#19
n-Nitroso-di-n-propylamine
Concen: 18.693 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.15 min
Lab File: BF117100.D
Acq: 17 Sep 2019 12:24

Tgt Ion: 70 Resp: 61206
Ion Ratio Lower Upper
70 100
42 36.8 34.0 51.0
101 0.0 7.8 11.6#
130 1.8 17.8 26.8#

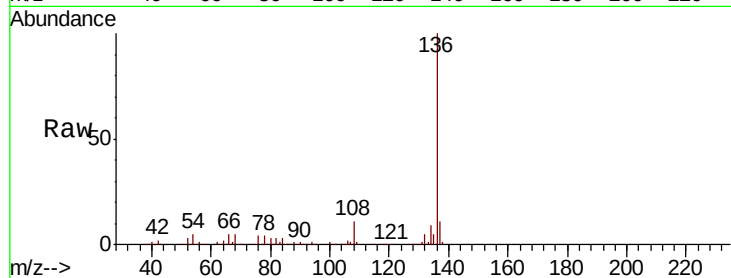




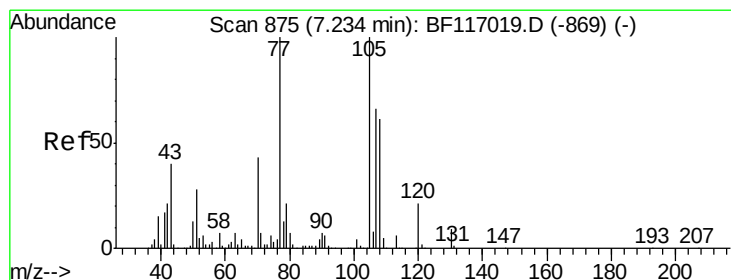
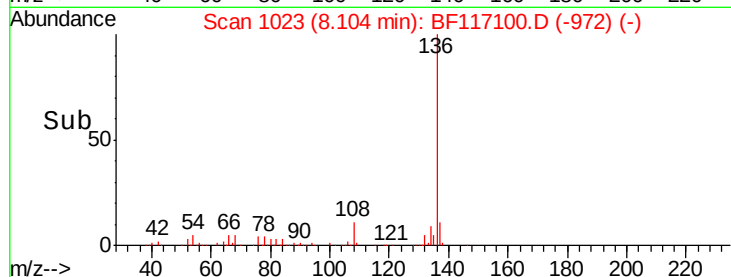
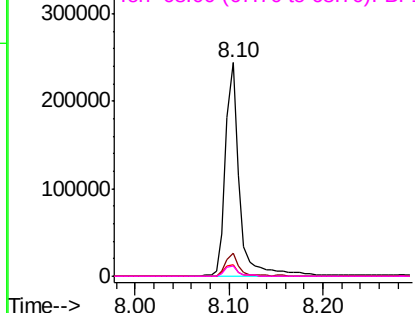
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF117100.D
Acq: 17 Sep 2019 12:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	255915
Ion Ratio	Lower	Upper
136	100	
137	11.0	9.0 13.4
54	5.3	4.5 6.7
68	4.5	4.0 6.0

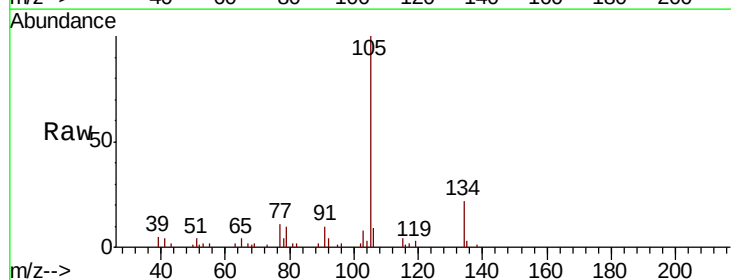


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

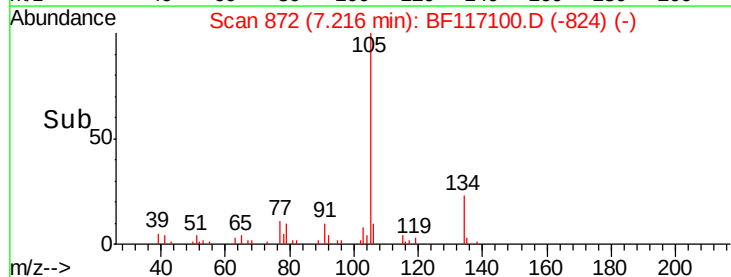
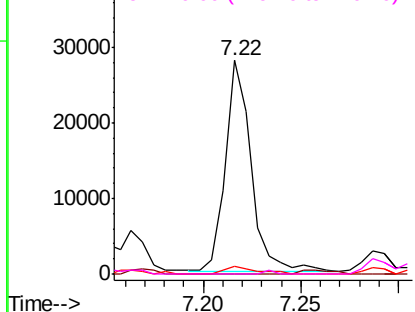


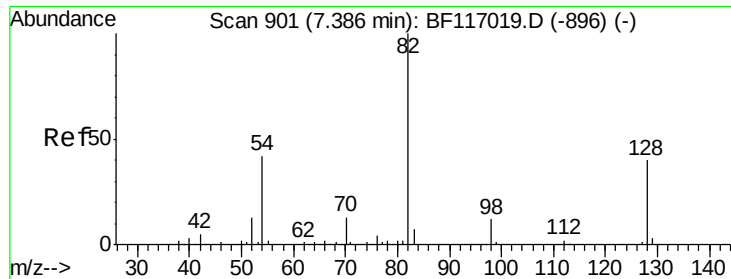
#22
Acetophenone
Concen: 3.885 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.02 min
Lab File: BF117100.D
Acq: 17 Sep 2019 12:24

Tgt Ion:105	Resp:	25259
Ion Ratio	Lower	Upper
105	100	
71	0.0	5.7 8.5#
51	3.7	22.1 33.1#
120	0.0	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

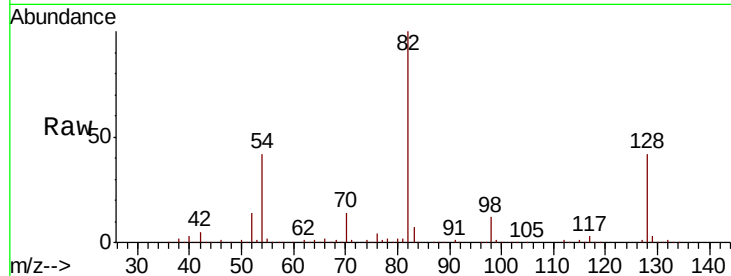




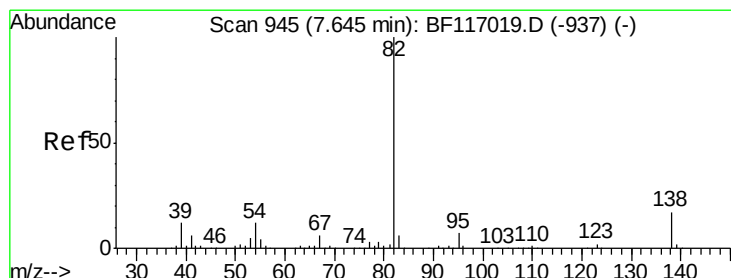
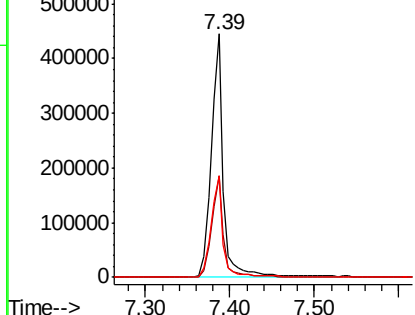
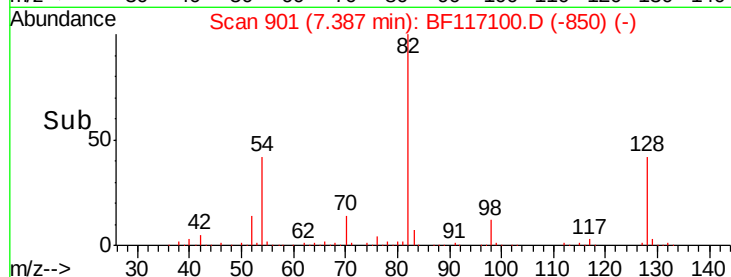
#23
Nitrobenzene-d5
Concen: 93.784 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.00 min
Lab File: BF117100.D
Acq: 17 Sep 2019 12:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.7	32.3	48.5
54	41.8	33.3	49.9

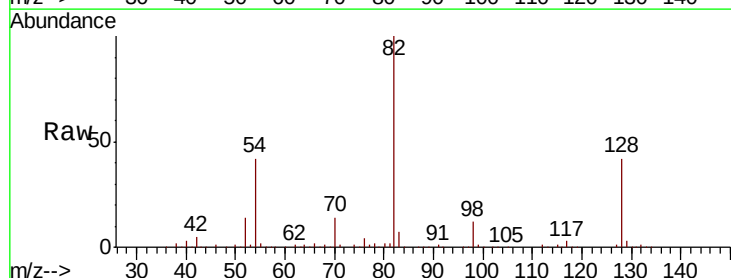


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

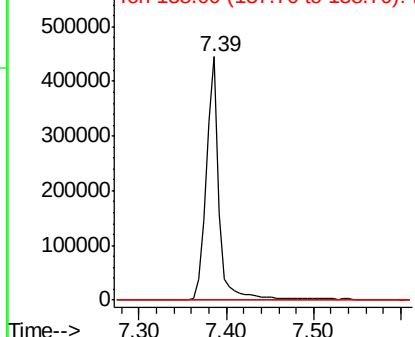
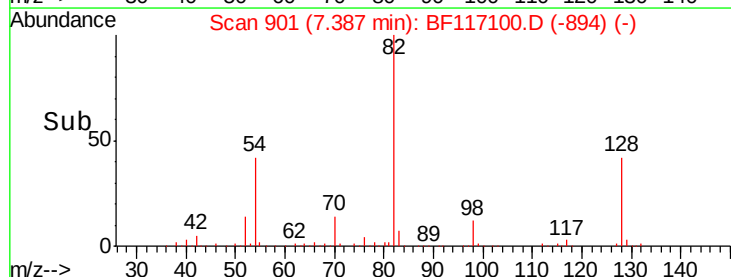


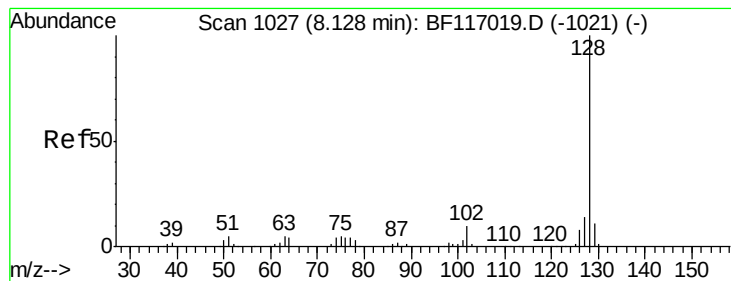
#25
Isophorone
Concen: 52.967 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.26 min
Lab File: BF117100.D
Acq: 17 Sep 2019 12:24

Tgt 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





#31

Naphthalene

Concen: 6.701 ng

RT: 8.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF117100.D

Acq: 17 Sep 2019 12:24

Instrument :

BNA_F

ClientSampleId :

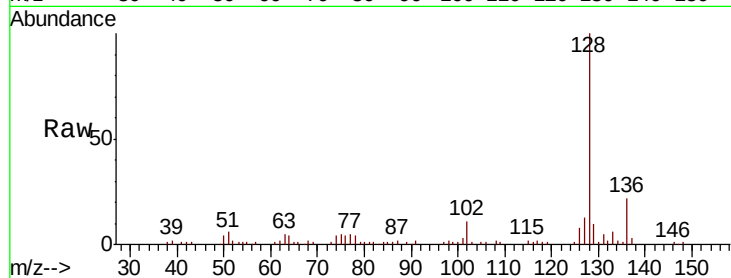
Tot Ion:128 Resp: 82473

Ion Ratio Lower Upper

128 100

129 10.3 9.0 13.4

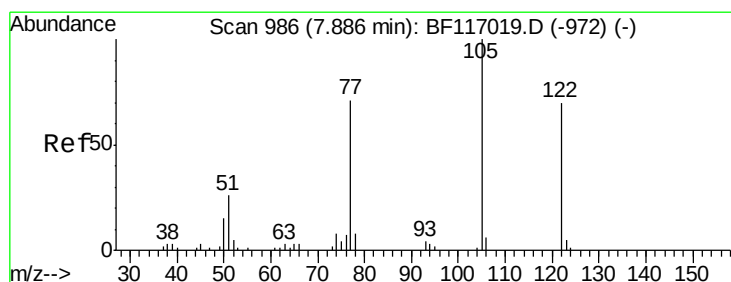
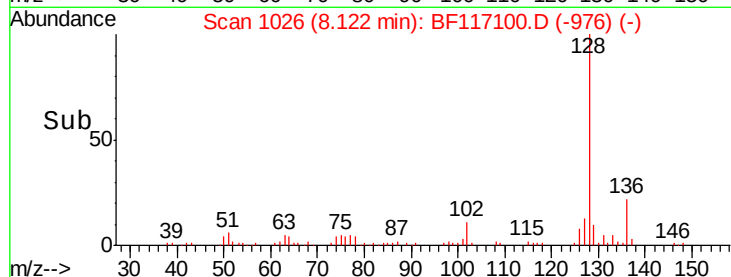
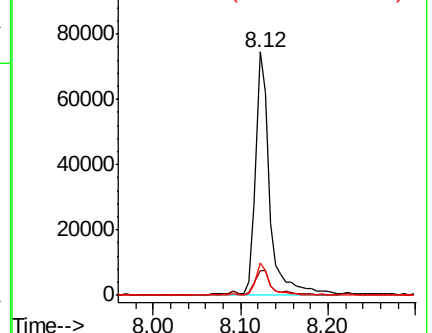
127 13.2 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 6.633 ng

RT: 7.91 min Scan# 990

Delta R.T. 0.02 min

Lab File: BF117100.D

Acq: 17 Sep 2019 12:24

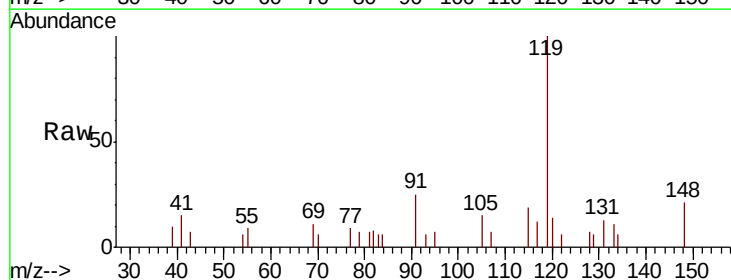
Tgt Ion:122 Resp: 112

Ion Ratio Lower Upper

122 100

105 247.6 114.8 154.8#

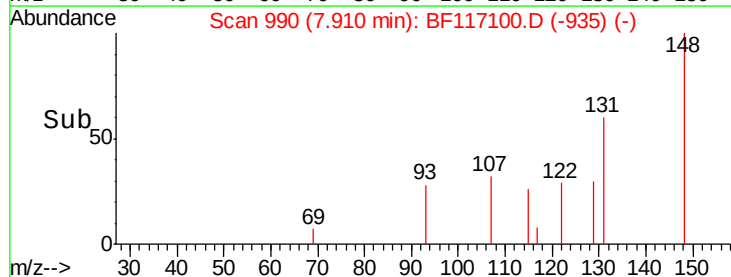
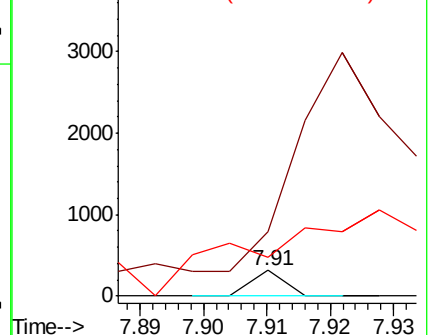
77 151.7 78.7 118.7#

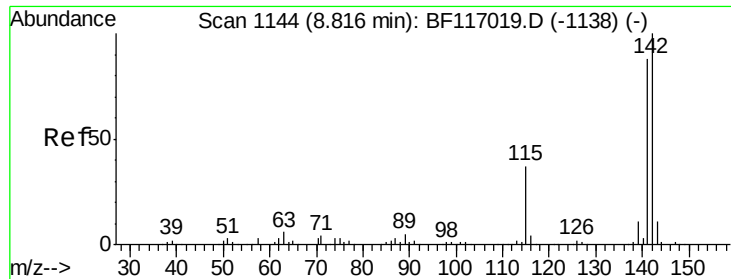


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

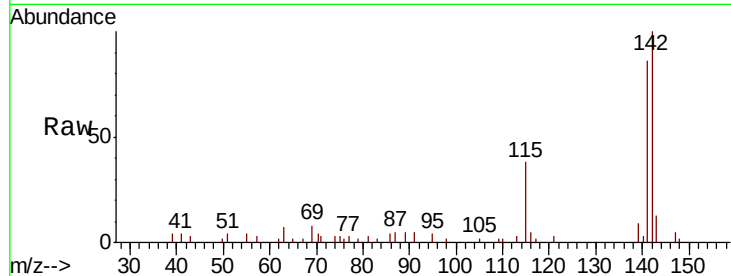




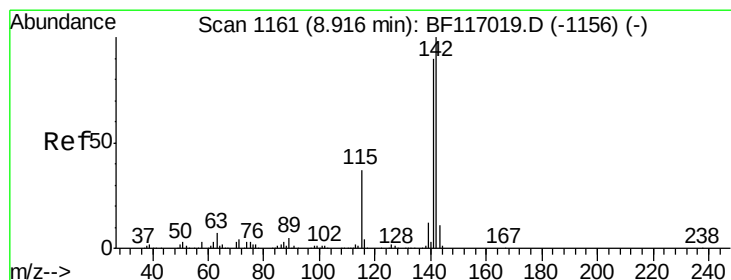
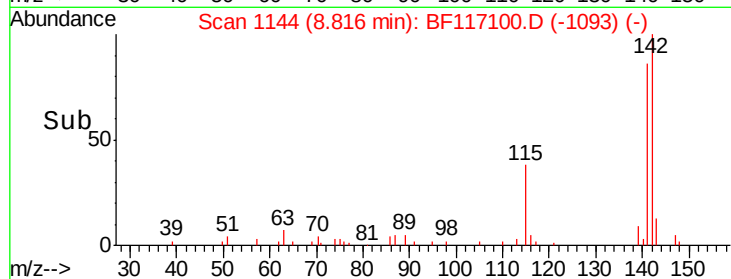
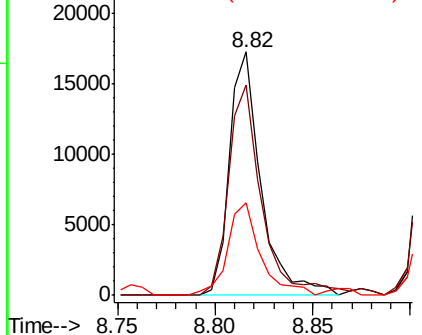
#37
2-Methylnaphthalene
Concen: 2.339 ng
RT: 8.82 min Scan# 1144
Delta R.T. 0.00 min
Lab File: BF117100.D
Acq: 17 Sep 2019 12:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:142 Resp: 19385
Ion Ratio Lower Upper
142 100
141 86.1 70.7 106.1
115 38.1 29.4 44.0

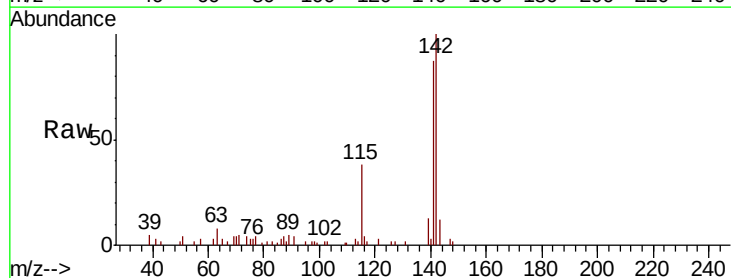


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

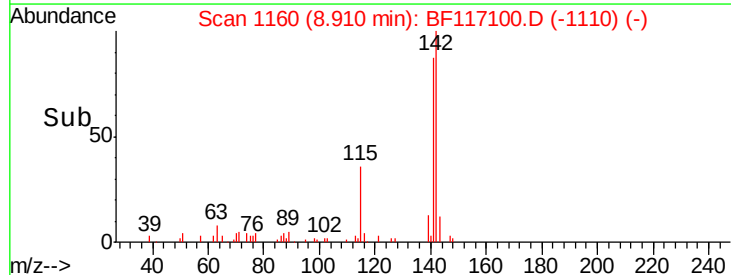
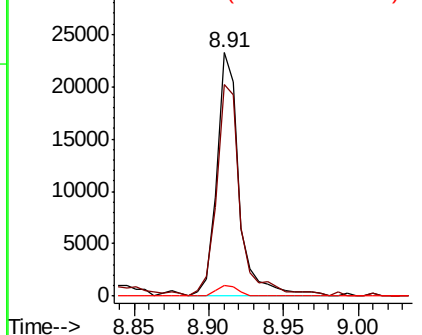


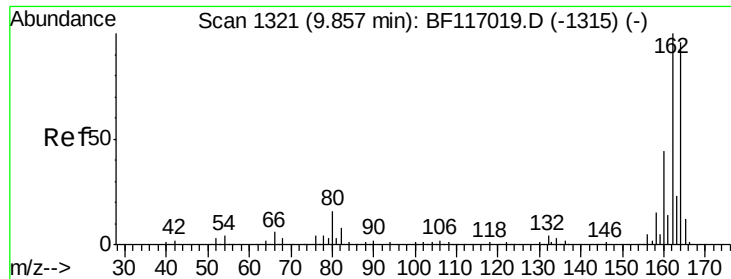
#38
1-Methylnaphthalene
Concen: 3.160 ng
RT: 8.91 min Scan# 1160
Delta R.T. -0.01 min
Lab File: BF117100.D
Acq: 17 Sep 2019 12:24

Tgt Ion:142 Resp: 24527
Ion Ratio Lower Upper
142 100
141 86.8 71.9 107.9
116 4.2 3.2 4.8



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF117100.D

Acq: 17 Sep 2019 12:24

Instrument :

BNA_F

ClientSampleId :

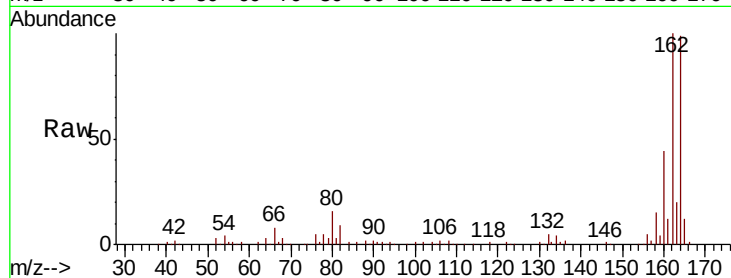
Tot Ion:164 Resp: 132762

Ion Ratio Lower Upper

164 100

162 101.3 83.4 125.2

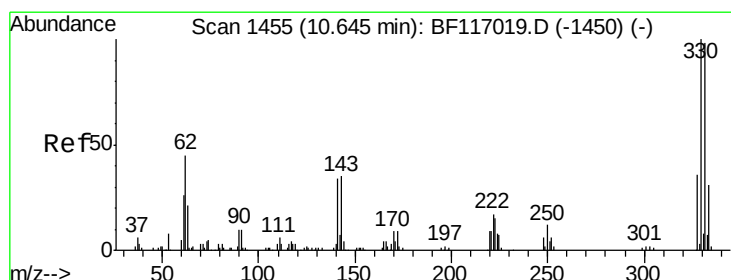
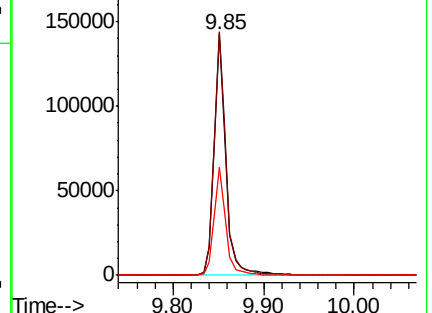
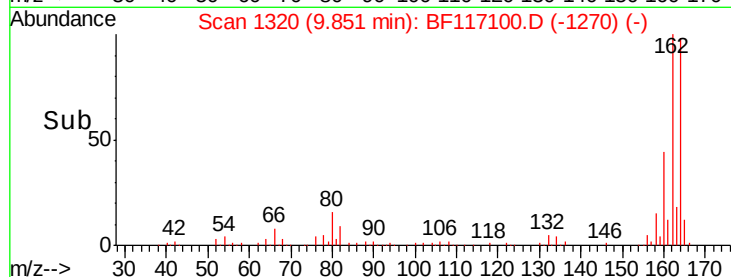
160 44.8 36.4 54.6



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: 149.115 ng

RT: 10.65 min Scan# 1455

Delta R.T. 0.00 min

Lab File: BF117100.D

Acq: 17 Sep 2019 12:24

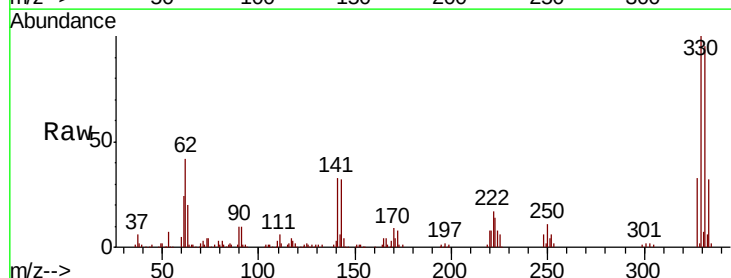
Tgt Ion:330 Resp: 165456

Ion Ratio Lower Upper

330 100

332 96.5 78.0 117.0

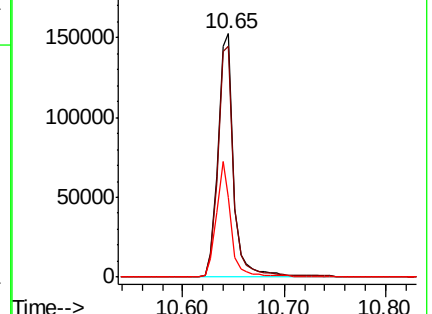
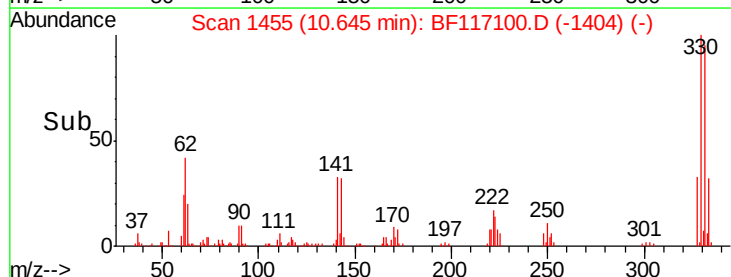
141 44.7 35.8 53.6

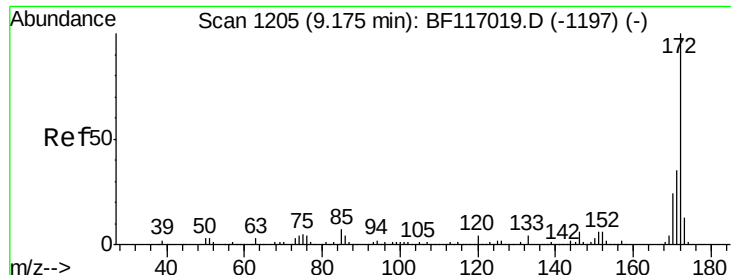


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

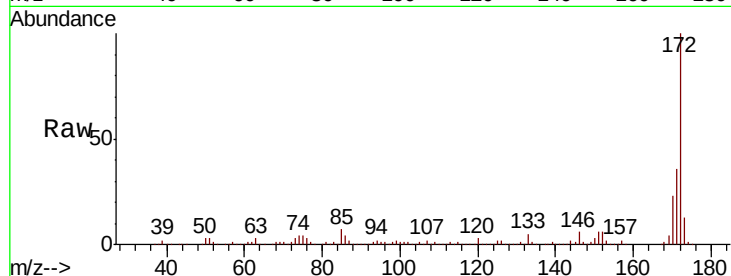




#45
 2-Fluorobiphenyl
 Concen: 94.866 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF117100.D
 Acq: 17 Sep 2019 12:24

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.2	42.2
170	23.4	18.9	28.3

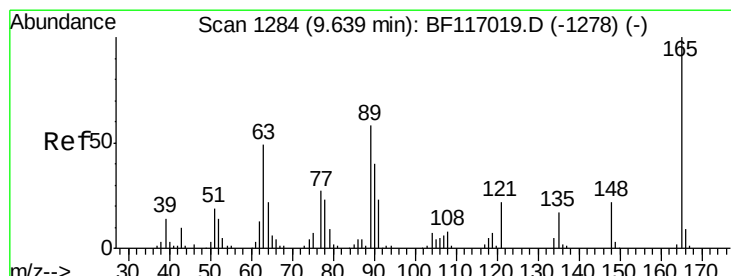
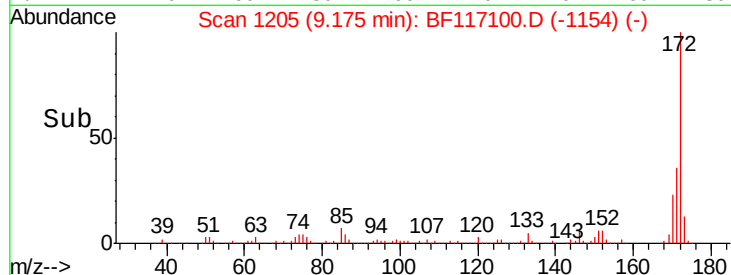
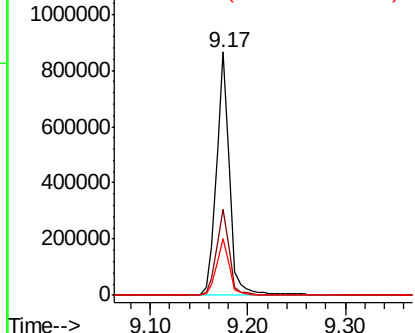


Abundance

Ion 172.00 (171.70 to 172.70): E

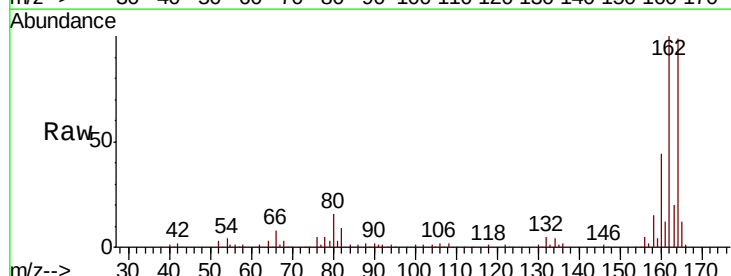
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#51
 2,6-Dinitrotoluene
 Concen: 8.721 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.21 min
 Lab File: BF117100.D
 Acq: 17 Sep 2019 12:24

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.8	62.8#
89	1.8	46.5	69.7#

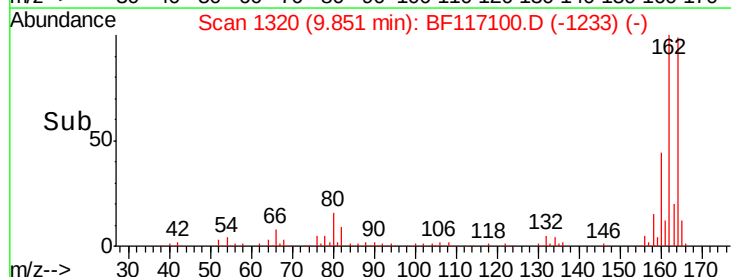
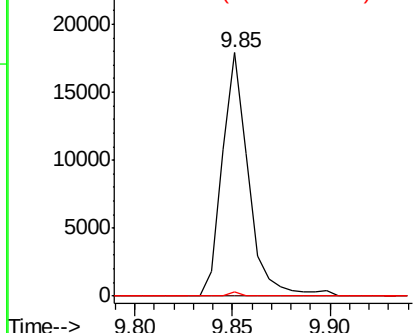


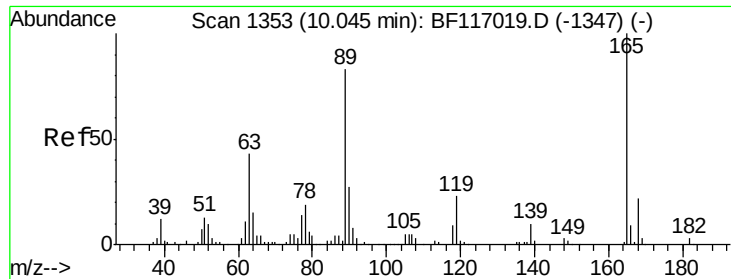
Abundance

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

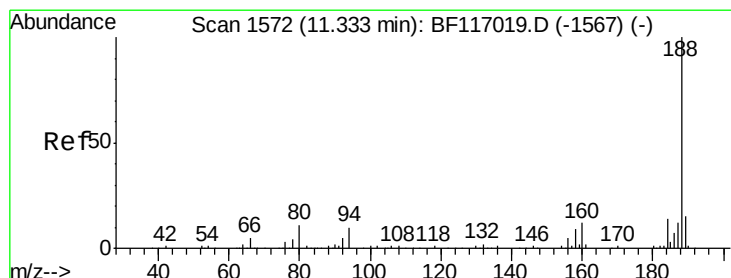
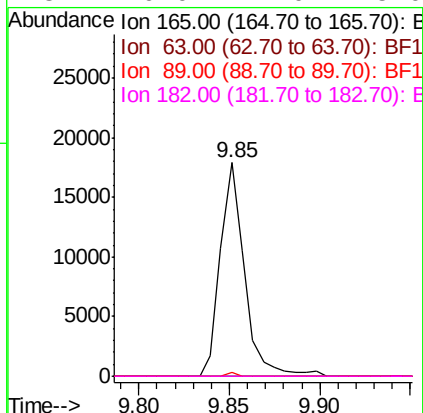
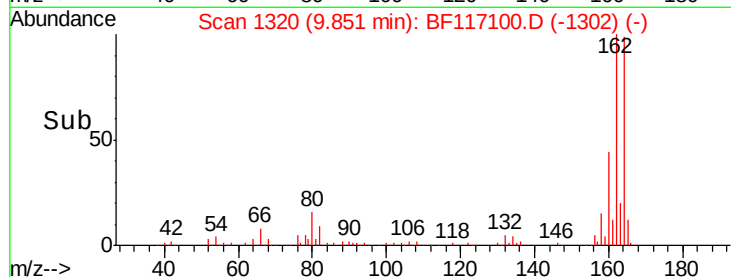
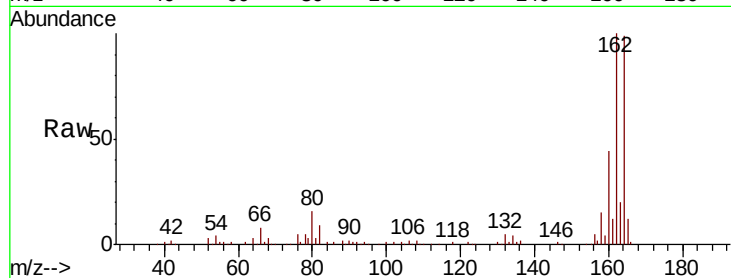




#57
 2,4-Dinitrotoluene
 Concen: 6.719 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF117100.D
 Acq: 17 Sep 2019 12:24

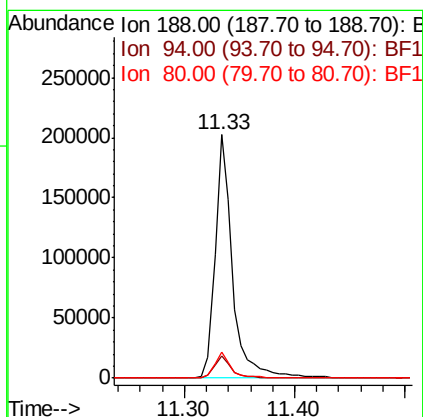
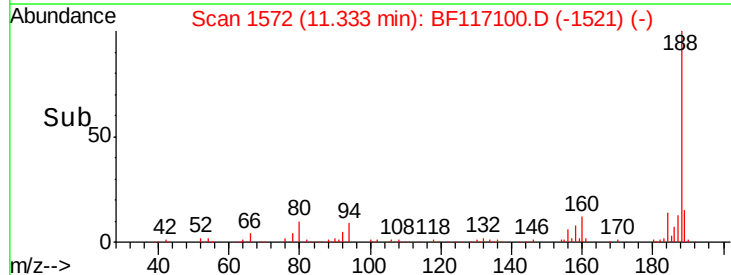
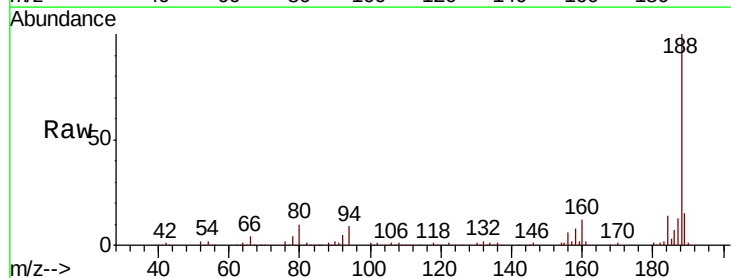
Instrument :
 BNA_F
 ClientSampleId :

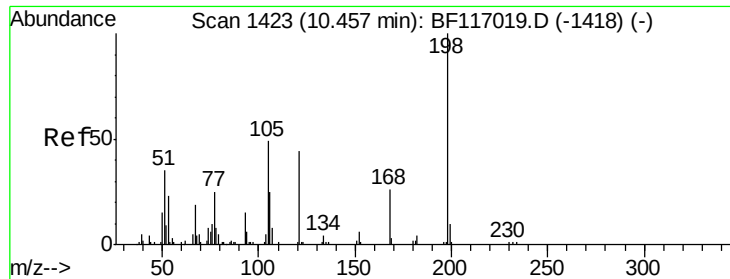
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	35.0	52.4#
89	1.8	66.1	99.1#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF117100.D
 Acq: 17 Sep 2019 12:24

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.2	12.2
80	10.5	9.0	13.6





#65

4,6-Dinitro-2-methylphenol

Concen: 7.190 ng

RT: 10.65 min Scan# 1455

Delta R.T. 0.19 min

Lab File: BF117100.D

Acq: 17 Sep 2019 12:24

Instrument :

BNA_F

ClientSampleId :

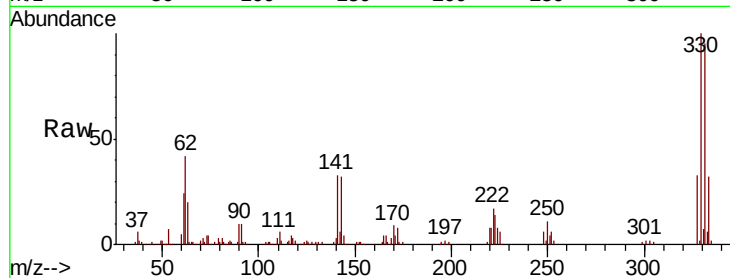
Tot Ion:198 Resp: 336

Ion Ratio Lower Upper

198 100

51 104.5 18.7 58.7#

105 159.2 30.2 70.2#

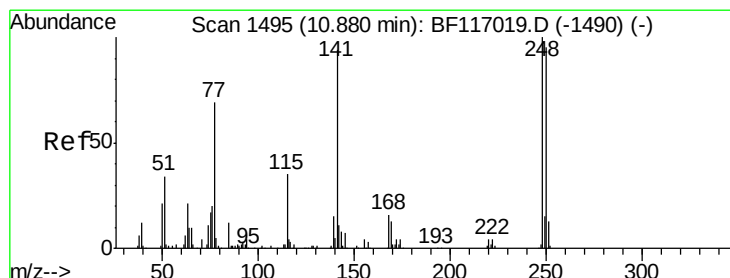
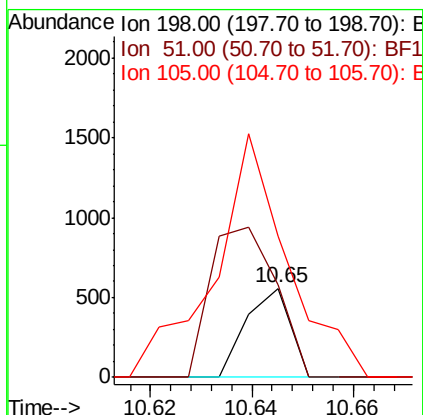
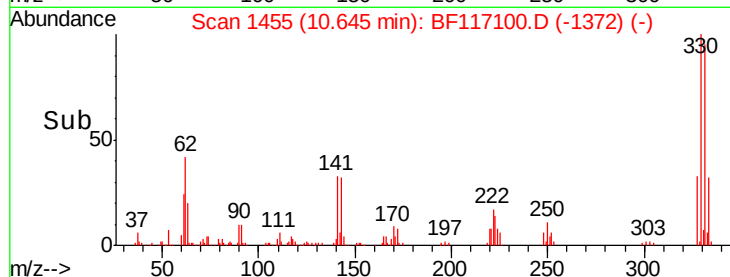


Abundance

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: 4.644 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.24 min

Lab File: BF117100.D

Acq: 17 Sep 2019 12:24

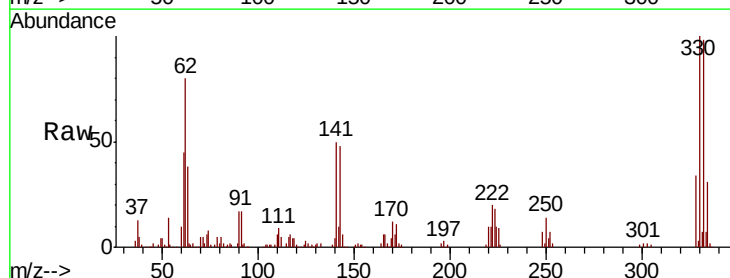
Tgt Ion:248 Resp: 10420

Ion Ratio Lower Upper

248 100

250 187.0 76.2 114.4#

141 692.0 75.0 112.4#

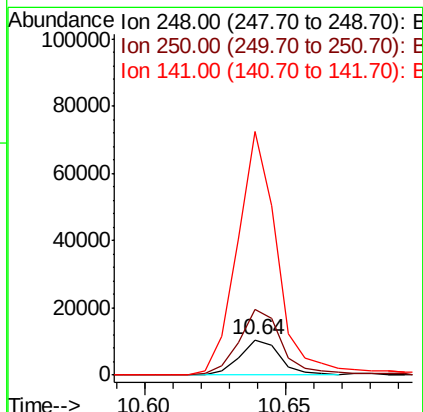
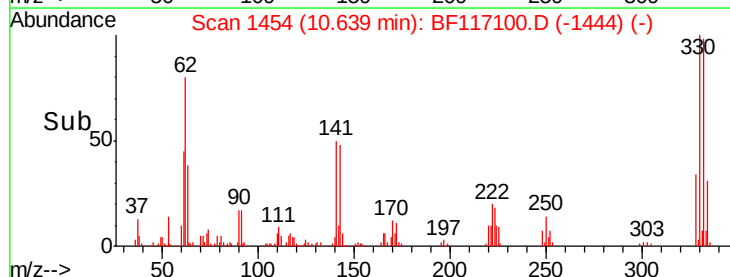


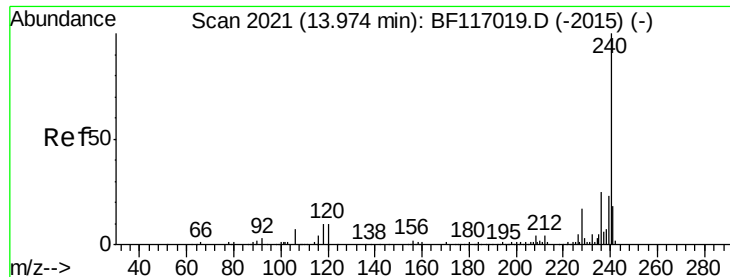
Abundance

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

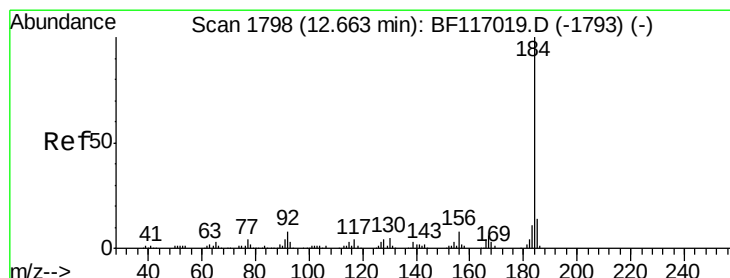
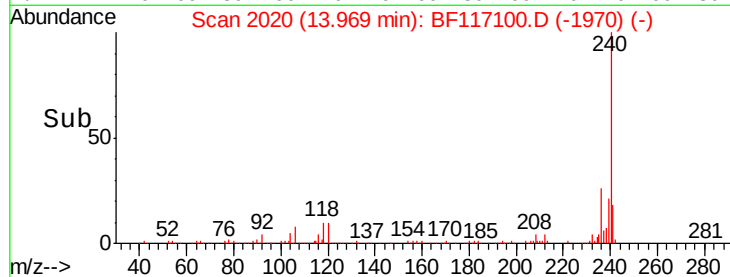
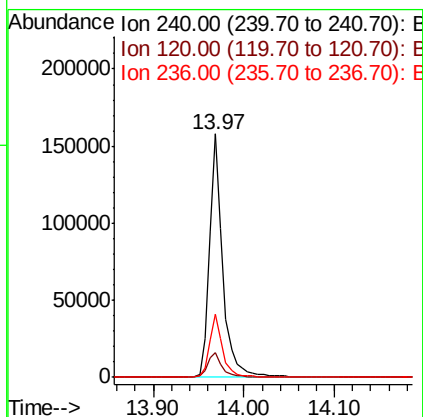
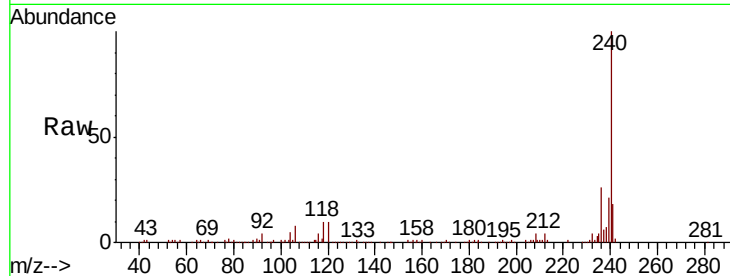




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF117100.D
Acq: 17 Sep 2019 12:24

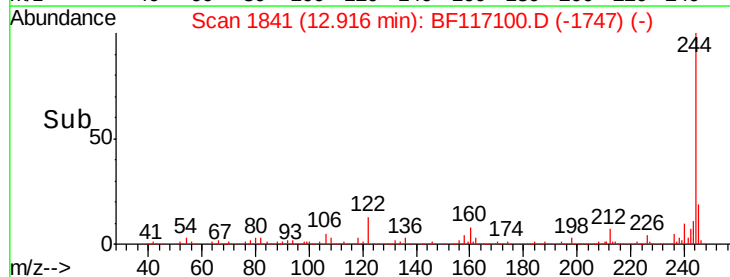
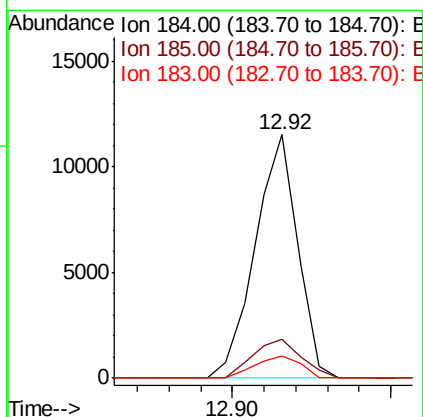
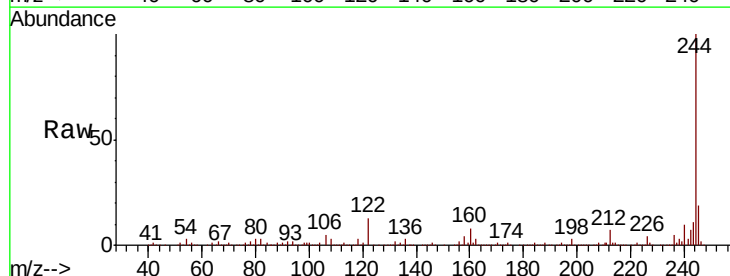
Instrument :
BNA_F
ClientSampleId :

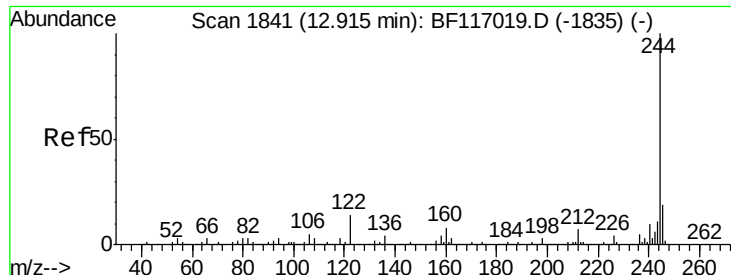
Tot Ion:240 Resp: 163892
Ion Ratio Lower Upper
240 100
120 10.3 8.3 12.5
236 26.0 20.3 30.5



#77
Benzidine
Concen: 2.032 ng
RT: 12.92 min Scan# 1841
Delta R.T. 0.25 min
Lab File: BF117100.D
Acq: 17 Sep 2019 12:24

Tgt Ion:184 Resp: 10726
Ion Ratio Lower Upper
184 100
185 15.9 11.6 17.4
183 9.1 9.0 13.4

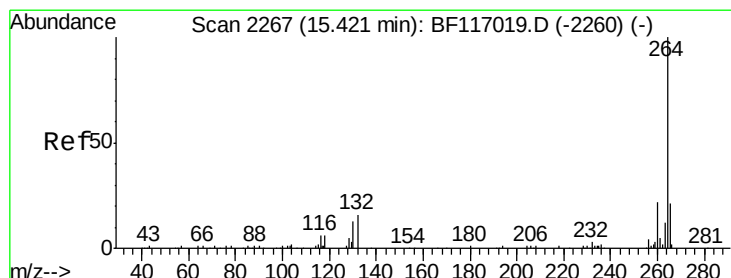
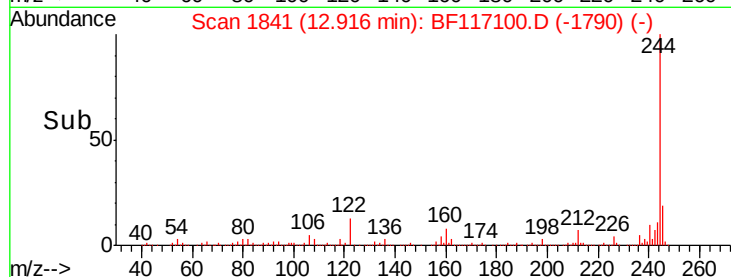
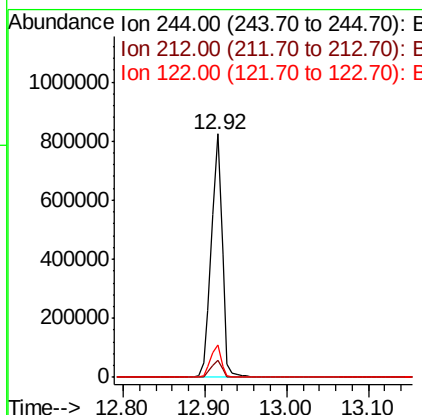
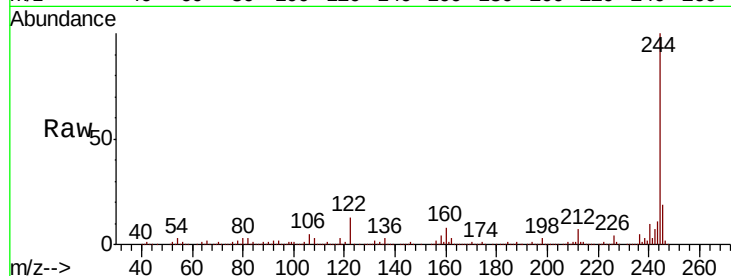




#79
 Terphenyl-d14
 Concen: 87.409 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: BF117100.D
 Acq: 17 Sep 2019 12:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.8
122	13.4	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: BF117100.D
 Acq: 17 Sep 2019 12:24

Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.6	17.6	26.4
265	19.5	16.6	24.8

