

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100819\
 Data File : BF117350.D
 Acq On : 8 Oct 2019 19:36
 Operator : JU
 Sample : K5146-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 09 01:31:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 09 01:26:00 2019
 Response via : Initial Calibration

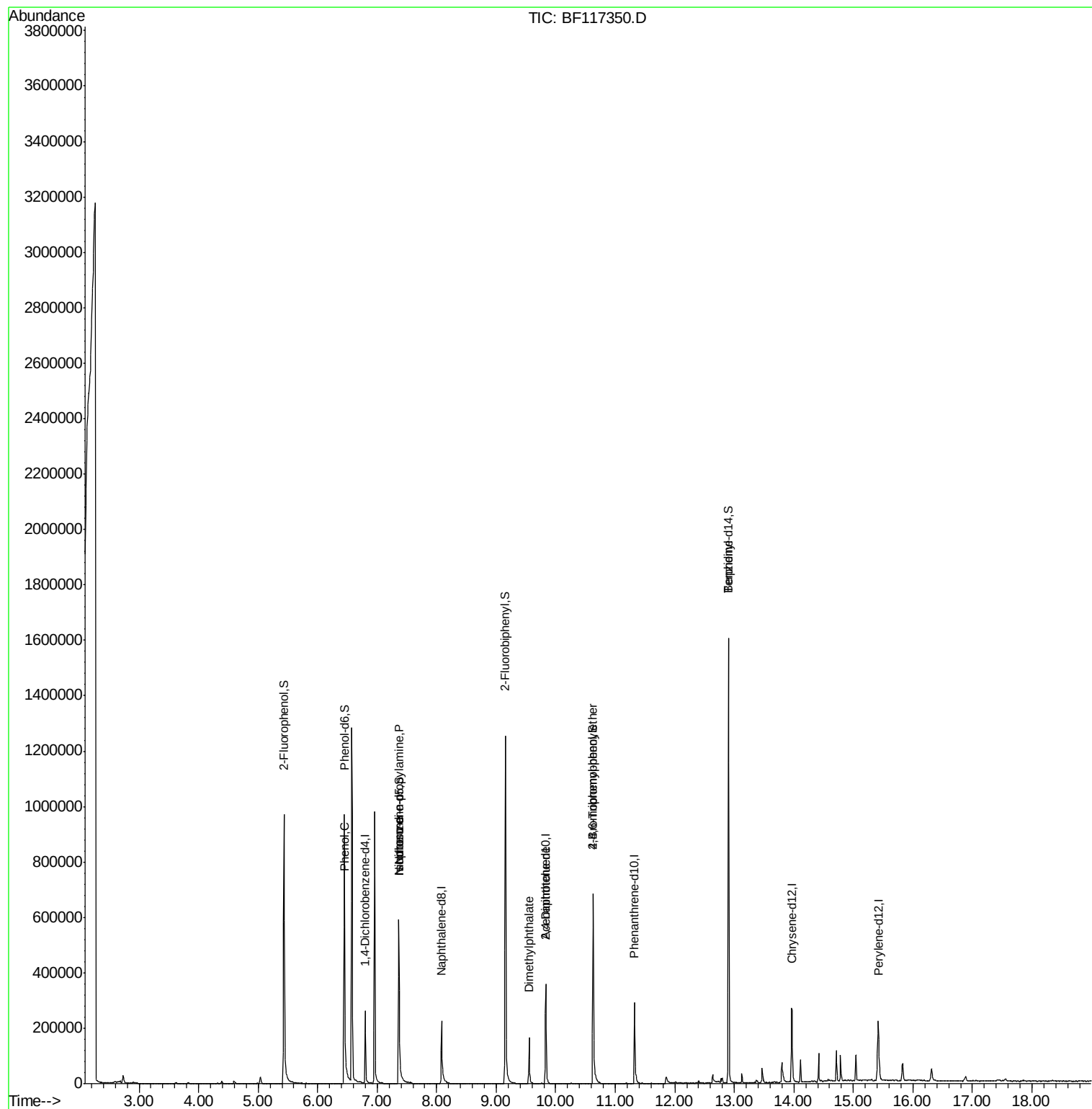
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	42369	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	164382	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	87824	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	147194	20.00	ng	0.00
76) Chrysene-d12	13.96	240	113928	20.00	ng	-0.01
87) Perylene-d12	15.42	264	107346	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	324713	119.65	ng	0.00
7) Phenol-d6	6.45	99	427130	121.79	ng	0.00
23) Nitrobenzene-d5	7.36	82	274633	87.78	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	95890	130.64	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	500099	89.04	ng	0.00
79) Terphenyl-d14	12.90	244	547043	89.75	ng	0.00
Target Compounds						
9) Benzaldehyde	6.45	77	436	Below Cal		Qvalue
10) Phenol	6.46	94	11422	2.954 ng	#	1
19) n-Nitroso-di-n-propylamine	7.36	70	34549	16.177 ng	#	73
25) Isophorone	7.36	82	274631	49.578 ng	#	80
50) Dimethylphthalate	9.55	163	89742	14.432 ng	#	66
57) 2,4-Dinitrotoluene	9.83	165	10847	6.598 ng	#	98
67) 4-Bromophenyl-phenylether	10.63	248	6106	4.062 ng	#	18
77) Benzidine	12.90	184	7360	2.005 ng	#	1
					#	91

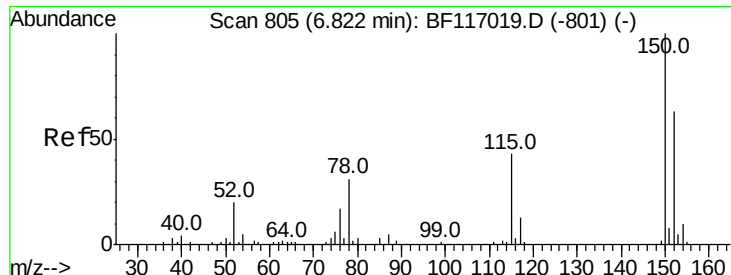
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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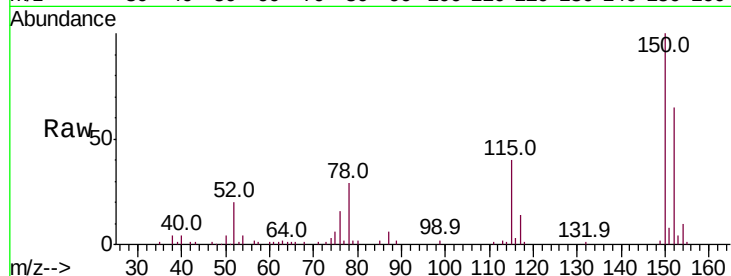


#1

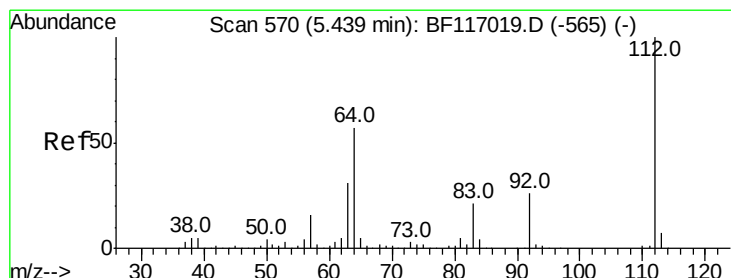
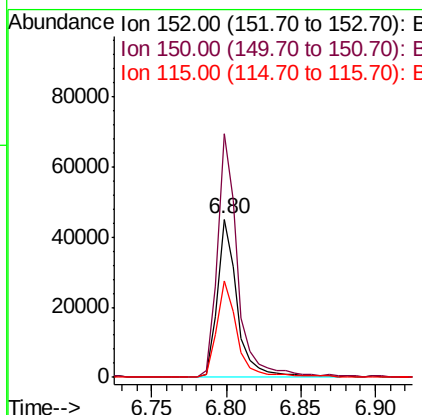
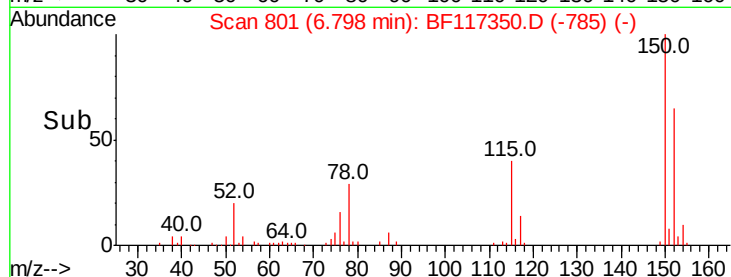
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF117350.D
Acq: 8 Oct 2019 19:36

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 42369
Ion Ratio Lower Upper
152 100
150 153.8 127.5 191.3
115 61.1 55.0 82.4



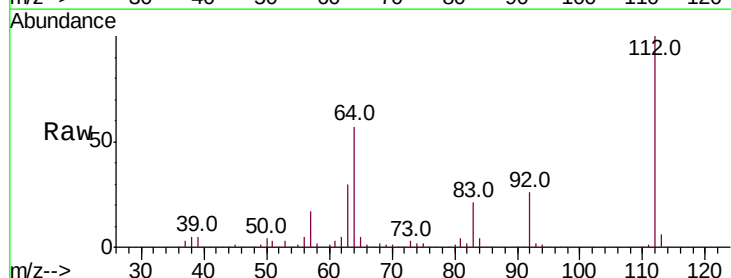
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



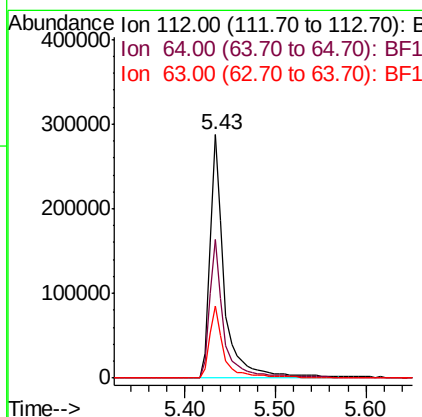
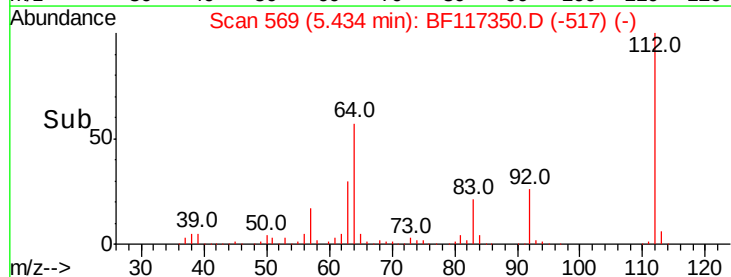
#5

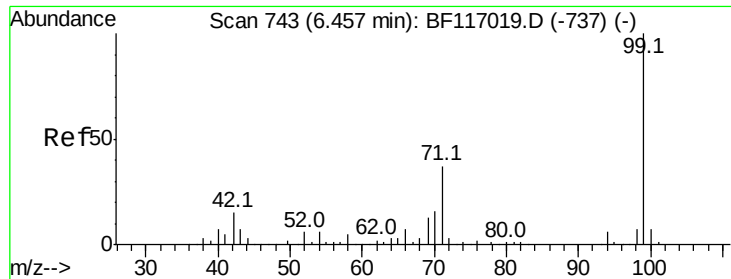
2-Fluorophenol
Concen: 119.653 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.01 min
Lab File: BF117350.D
Acq: 8 Oct 2019 19:36

Tgt Ion:112 Resp: 324713
Ion Ratio Lower Upper
112 100
64 57.0 45.7 68.5
63 29.6 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: 121.787 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF117350.D

Acq: 8 Oct 2019 19:36

Instrument :

BNA_F

ClientSampled :

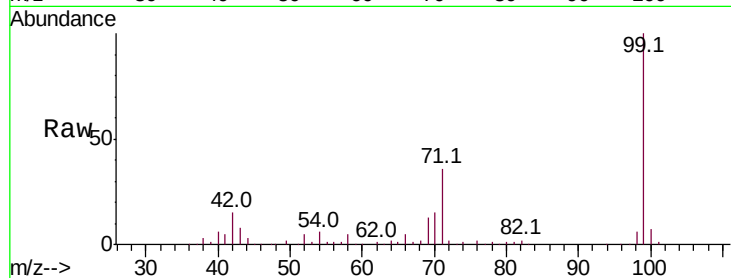
Tot Ion: 99 Resp: 427130

Ion Ratio Lower Upper

99 100

42 14.9 12.2 18.2

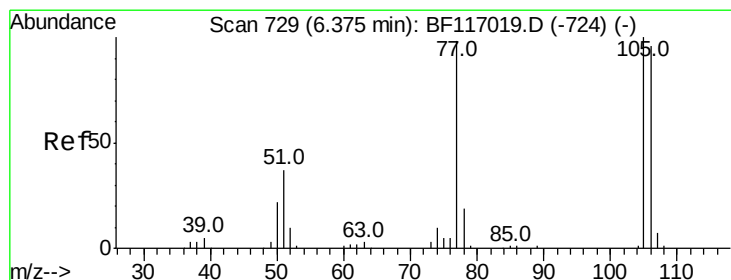
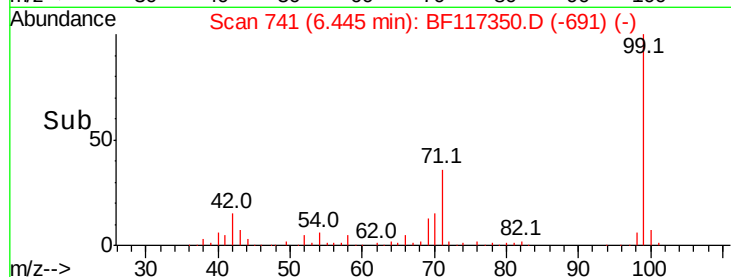
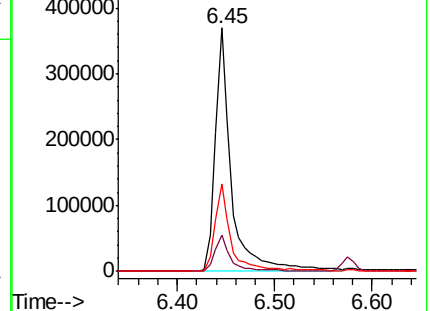
71 35.9 29.8 44.8



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: 6.45 min Scan# 741

Delta R.T. 0.09 min

Lab File: BF117350.D

Acq: 8 Oct 2019 19:36

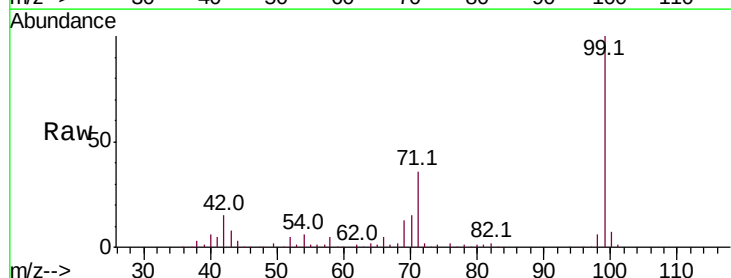
Tgt Ion: 77 Resp: 436

Ion Ratio Lower Upper

77 100

105 0.0 81.8 121.8#

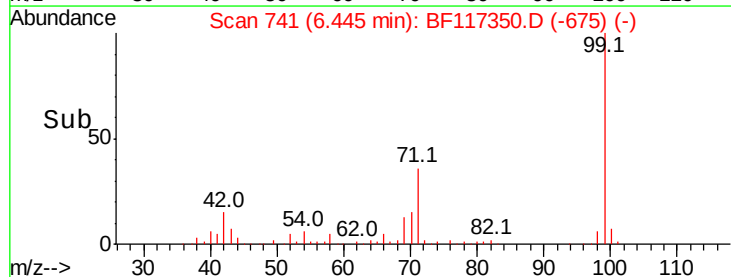
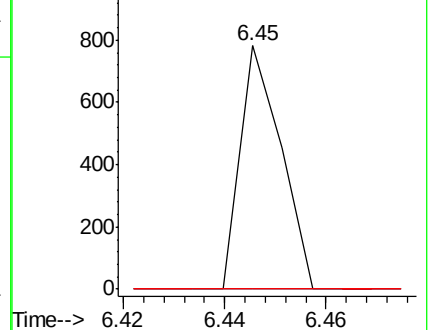
106 0.0 77.3 117.3#

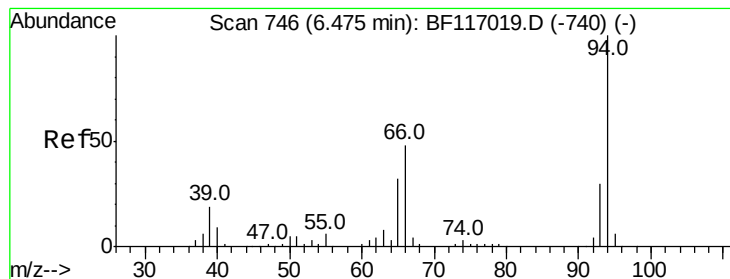


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 2.954 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF117350.D

Acq: 8 Oct 2019 19:36

Instrument :

BNA_F

ClientSampleId :

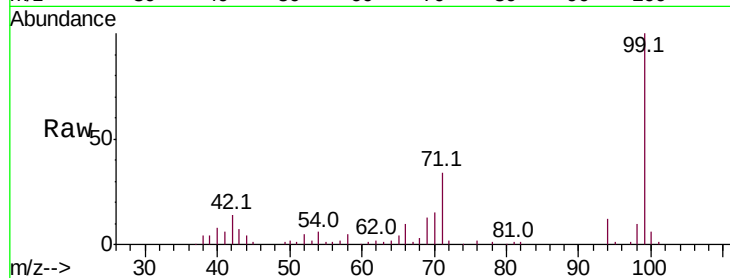
Tot Ion: 94 Resp: 11422

Ion Ratio Lower Upper

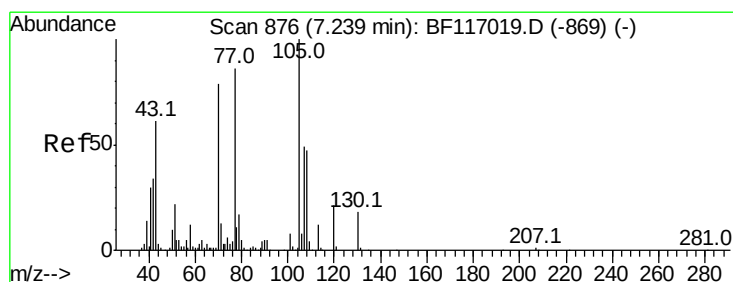
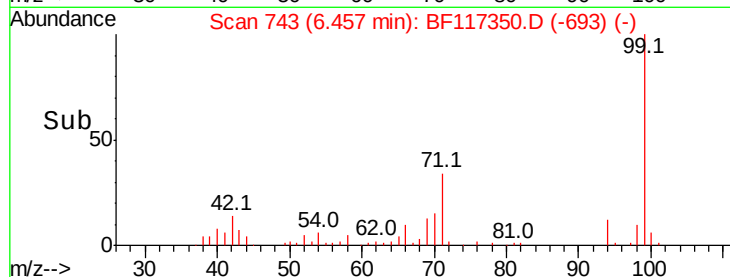
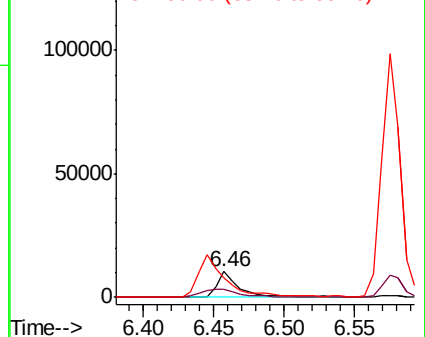
94 100

65 31.7 12.5 52.5

66 78.7 28.9 68.9#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 16.177 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.14 min

Lab File: BF117350.D

Acq: 8 Oct 2019 19:36

Tgt Ion: 70 Resp: 34549

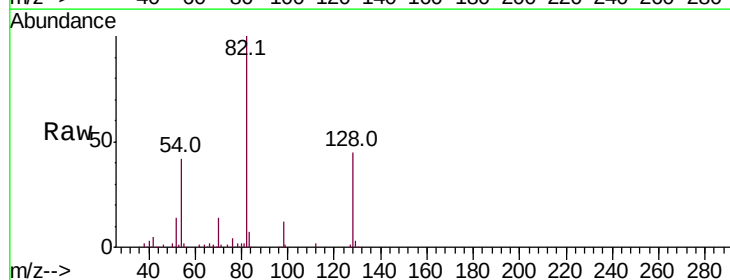
Ion Ratio Lower Upper

70 100

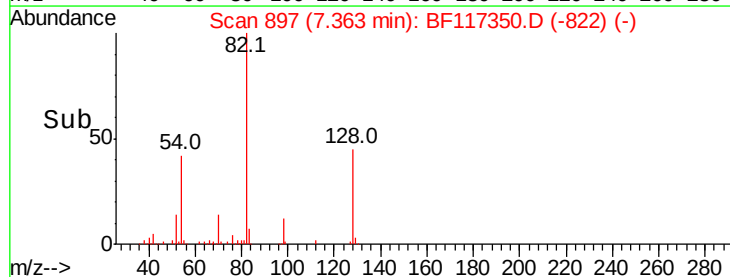
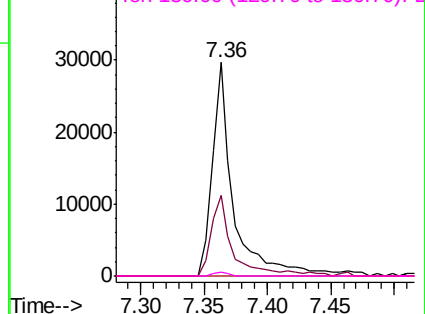
42 38.1 34.0 51.0

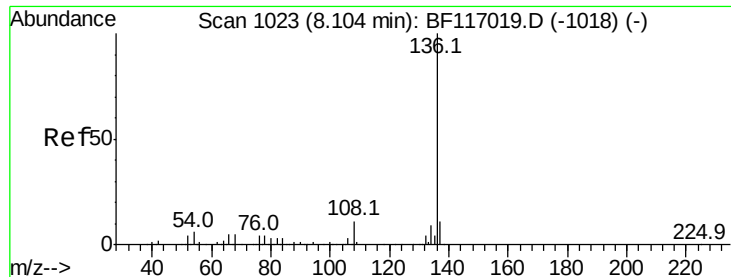
101 0.0 7.8 11.6#

130 1.9 17.8 26.8#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF117350.D

Acq: 8 Oct 2019 19:36

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 164382

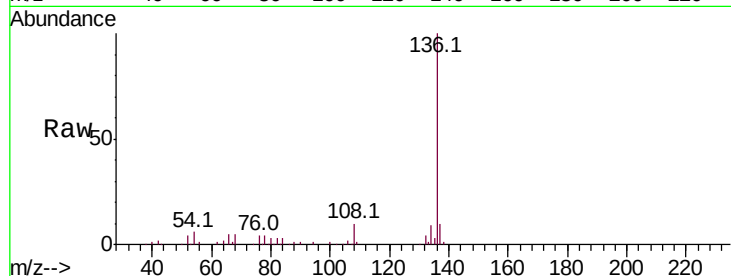
Ion Ratio Lower Upper

136 100

137 9.8 9.0 13.4

54 5.8 4.5 6.7

68 5.0 4.0 6.0

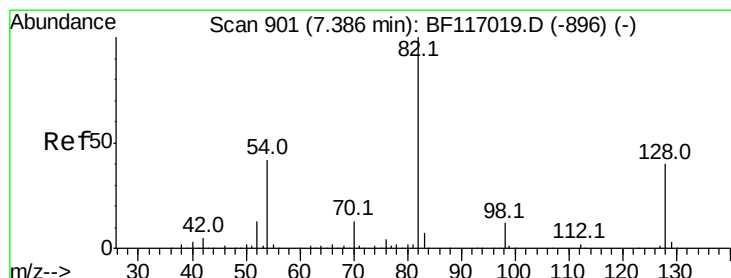
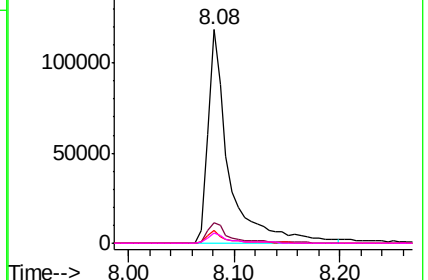
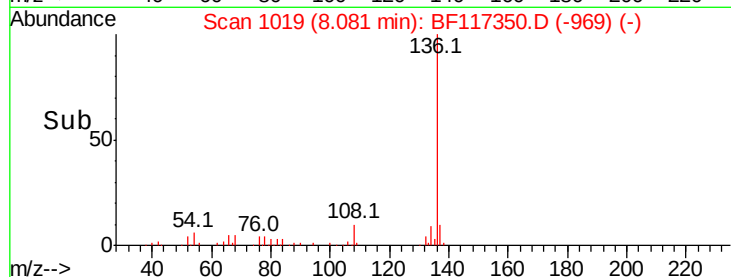


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 87.783 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.01 min

Lab File: BF117350.D

Acq: 8 Oct 2019 19:36

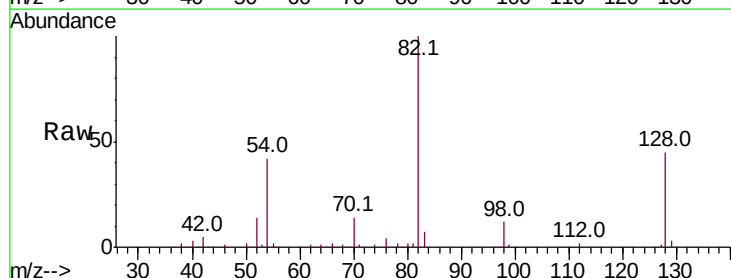
Tgt Ion: 82 Resp: 274633

Ion Ratio Lower Upper

82 100

128 44.6 32.3 48.5

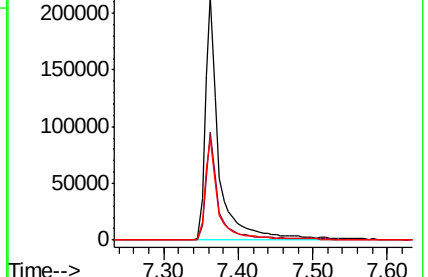
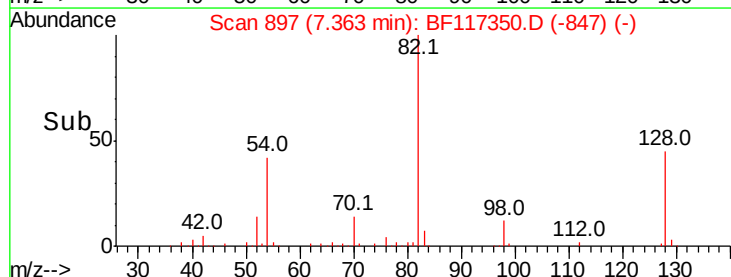
54 41.9 33.3 49.9

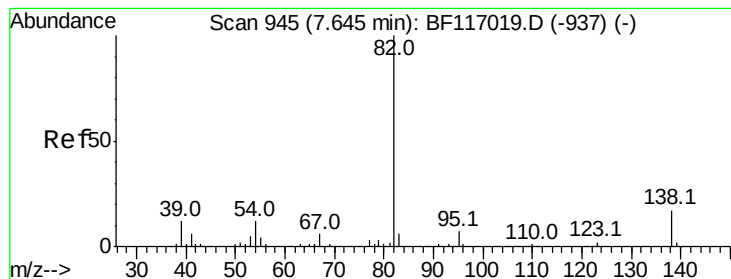


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 49.578 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF117350.D

Acq: 8 Oct 2019 19:36

Instrument :

BNA_F

ClientSampleId :

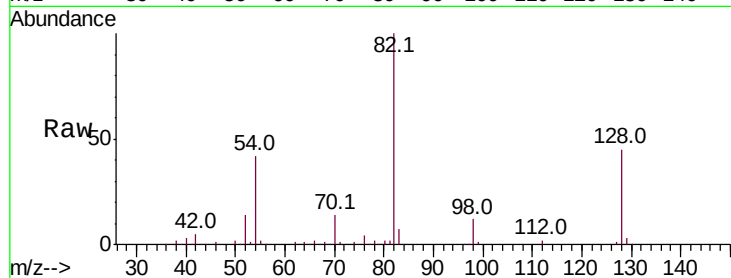
Tot Ion: 82 Resp: 274631

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

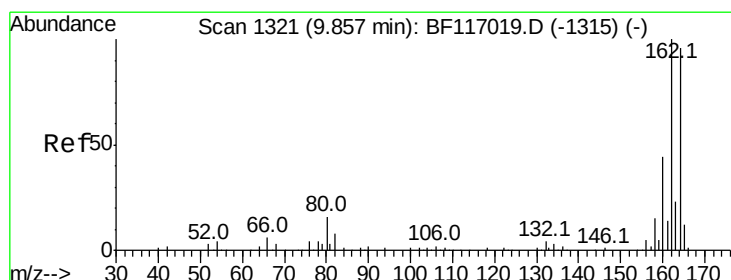
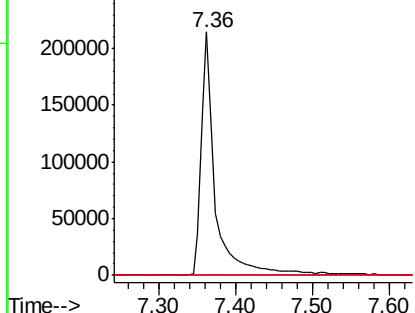
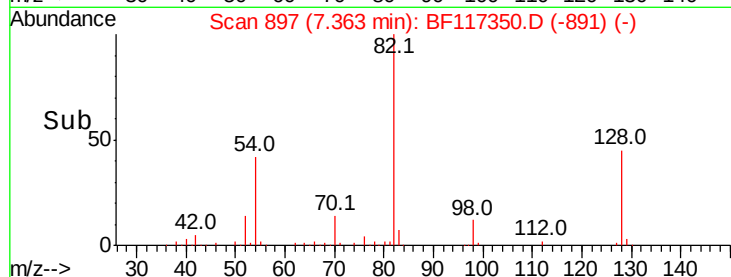
138 0.0 13.5 20.3#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF117350.D

Acq: 8 Oct 2019 19:36

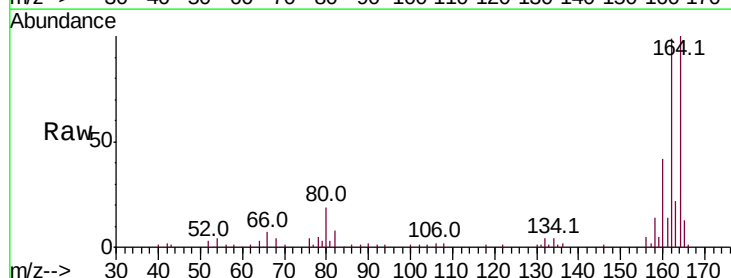
Tgt Ion:164 Resp: 87824

Ion Ratio Lower Upper

164 100

162 99.1 83.4 125.2

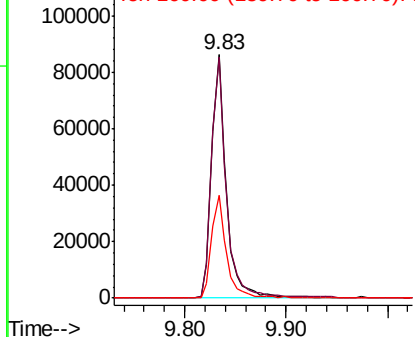
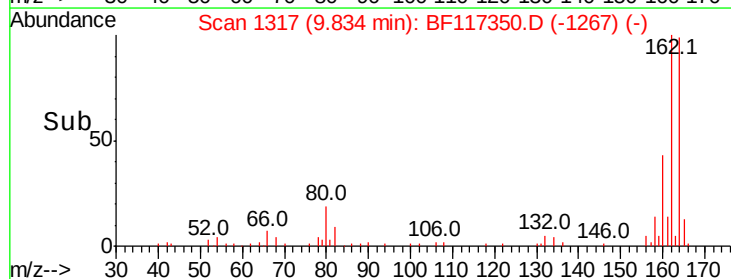
160 42.2 36.4 54.6

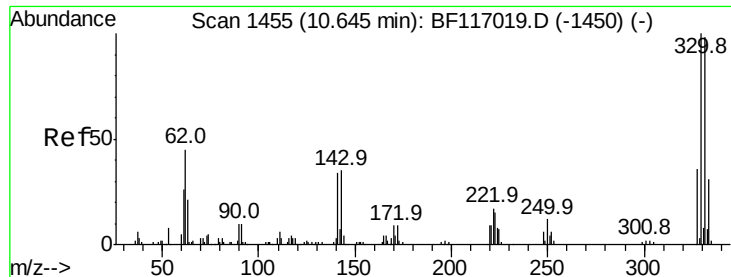


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 130.639 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BF117350.D

Acq: 8 Oct 2019 19:36

Instrument :

BNA_F

ClientSampled :

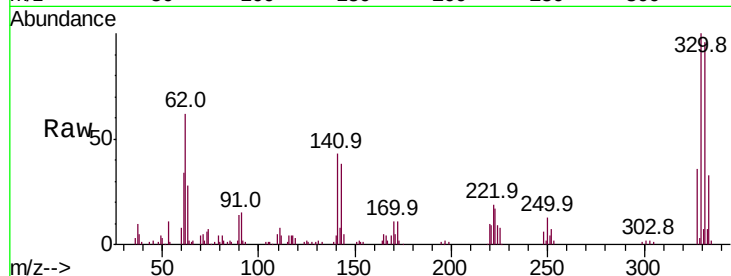
Tot Ion:330 Resp: 95890

Ion Ratio Lower Upper

330 100

332 97.1 78.0 117.0

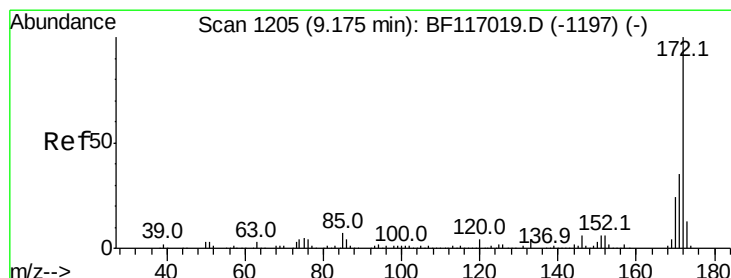
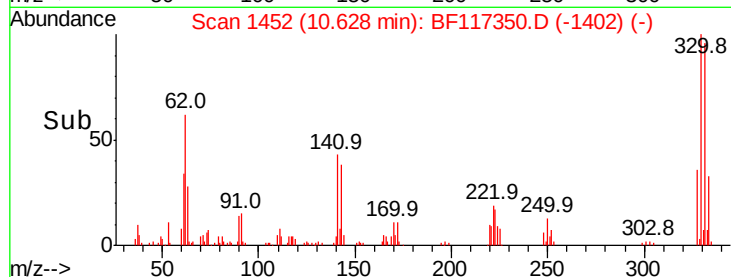
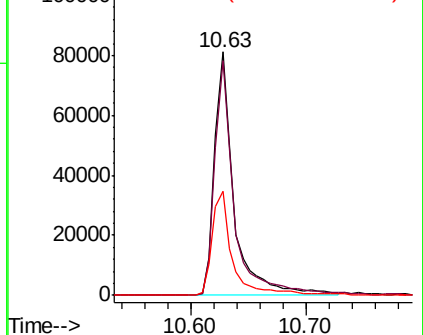
141 44.6 35.8 53.6



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: 89.035 ng

RT: 9.16 min Scan# 1202

Delta R.T. -0.01 min

Lab File: BF117350.D

Acq: 8 Oct 2019 19:36

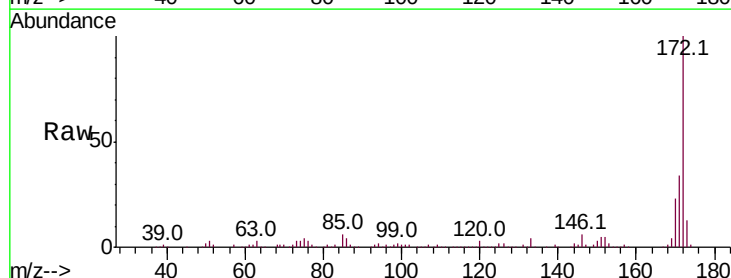
Tgt Ion:172 Resp: 500099

Ion Ratio Lower Upper

172 100

171 34.4 28.2 42.2

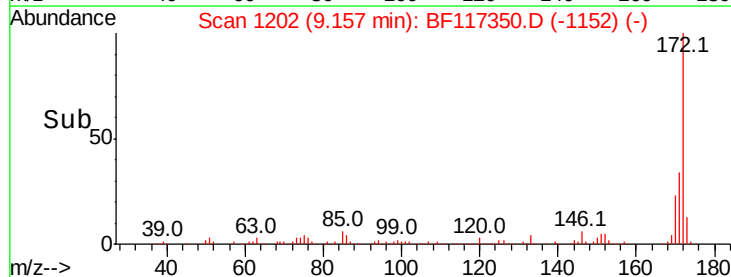
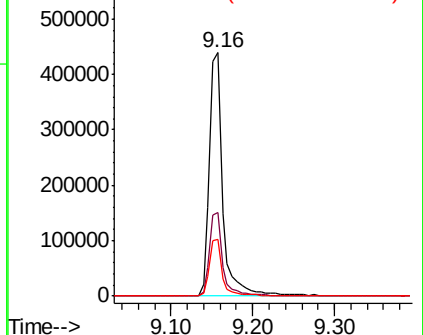
170 23.4 18.9 28.3

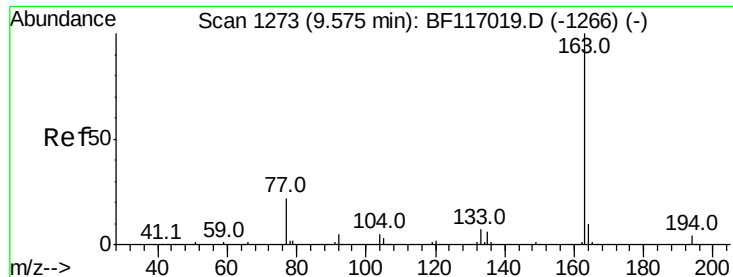


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 14.432 ng

RT: 9.55 min Scan# 1269

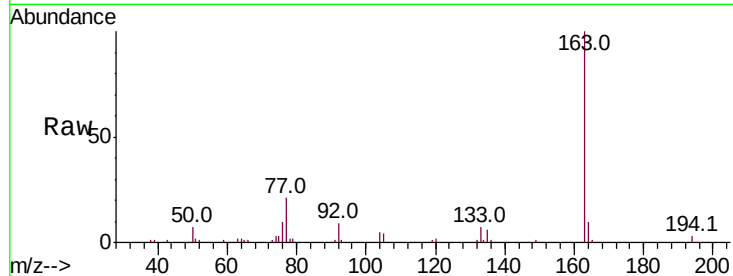
Delta R.T. -0.01 min

Lab File: BF117350.D

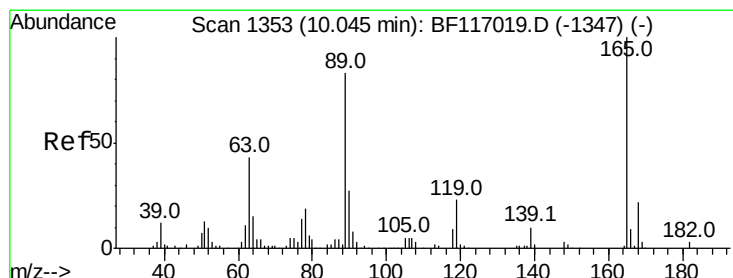
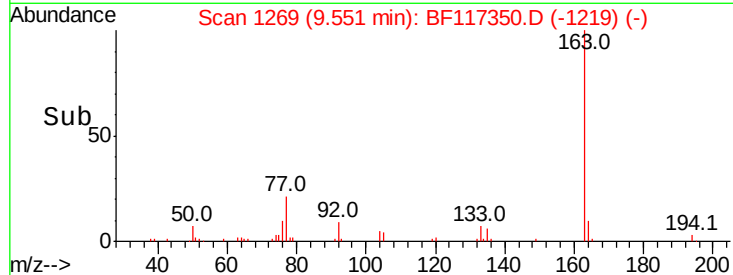
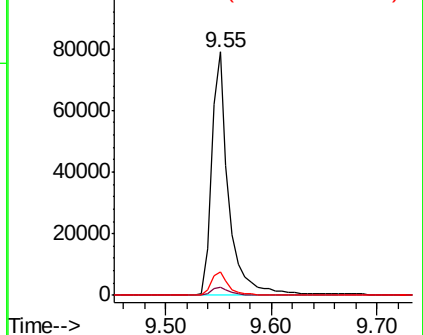
Acq: 8 Oct 2019 19:36

Instrument :
BNA_F
ClientSampled :

Tot Ion:	163	Resp:	89742
Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.9	4.3
164	9.6	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



#57

2,4-Dinitrotoluene

Concen: 6.598 ng

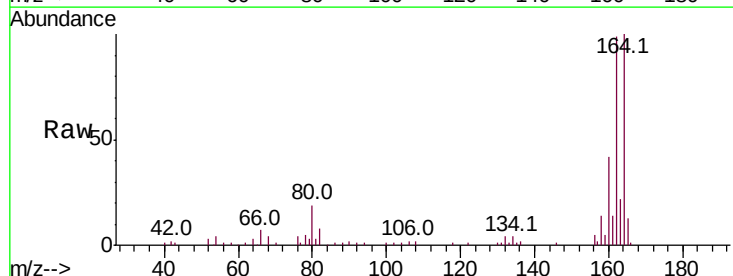
RT: 9.83 min Scan# 1317

Delta R.T. -0.21 min

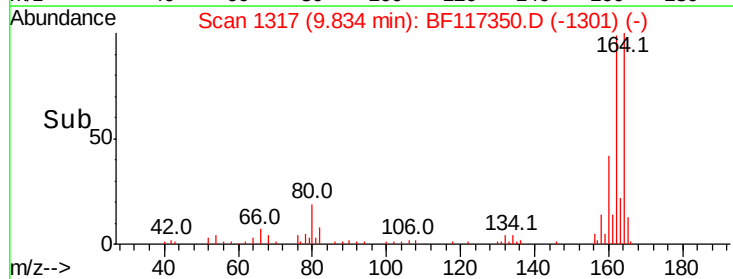
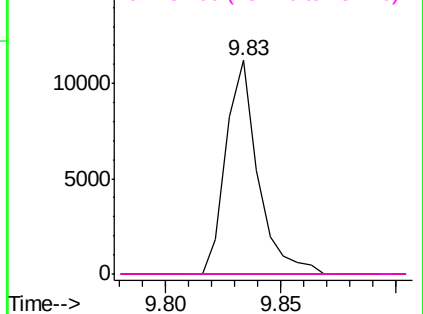
Lab File: BF117350.D

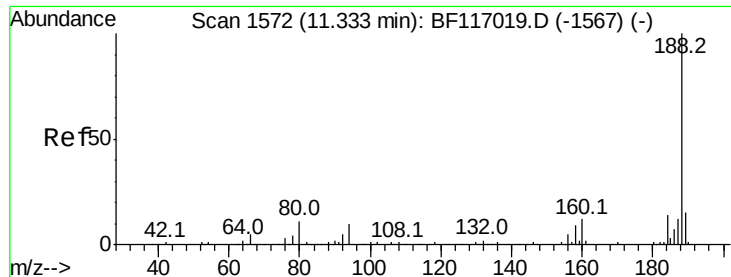
Acq: 8 Oct 2019 19:36

Tgt Ion:	165	Resp:	10847
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#



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: 11.32 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BF117350.D

Acq: 8 Oct 2019 19:36

Instrument :

BNA_F

ClientSampleId :

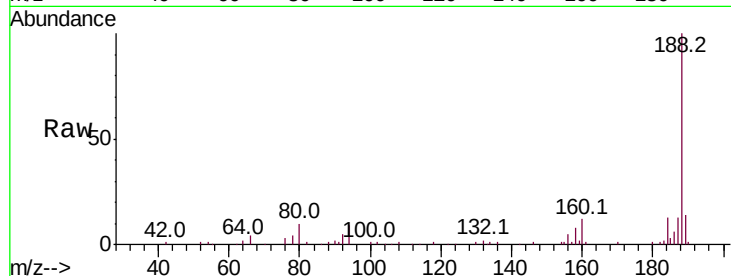
Tot Ion:188 Resp: 147194

Ion Ratio Lower Upper

188 100

94 8.7 8.2 12.2

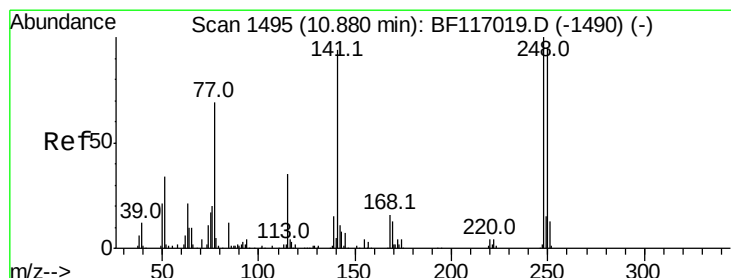
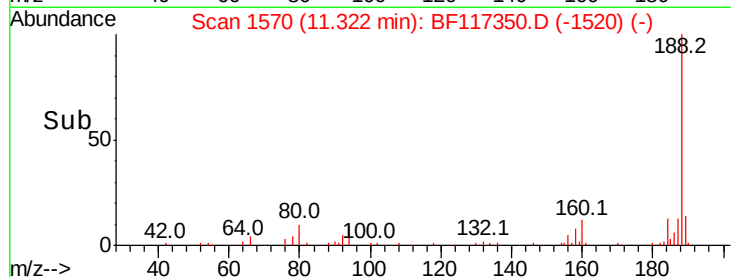
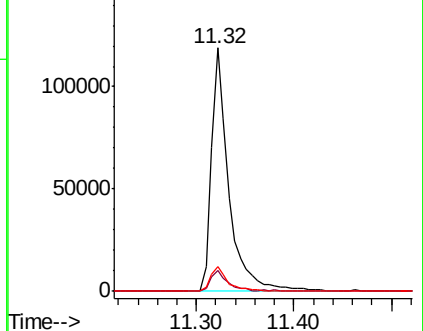
80 10.1 9.0 13.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#67

4-Bromophenyl-phenylether

Concen: 4.062 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.24 min

Lab File: BF117350.D

Acq: 8 Oct 2019 19:36

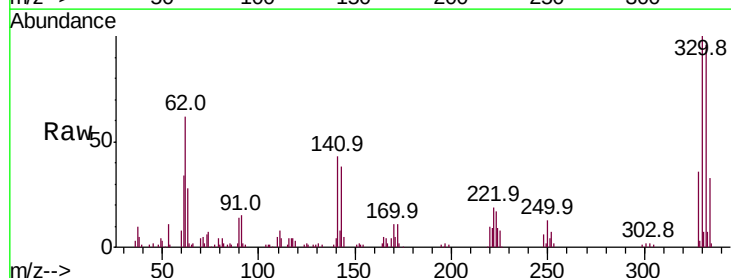
Tgt Ion:248 Resp: 6106

Ion Ratio Lower Upper

248 100

250 212.1 76.2 114.4#

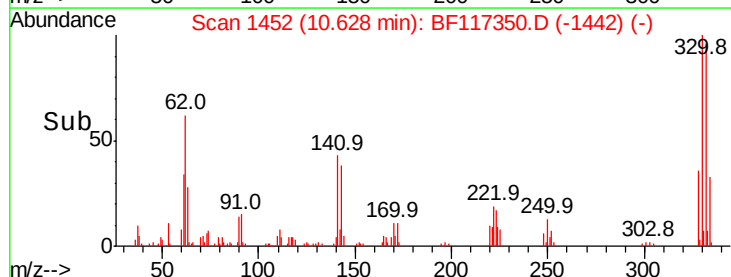
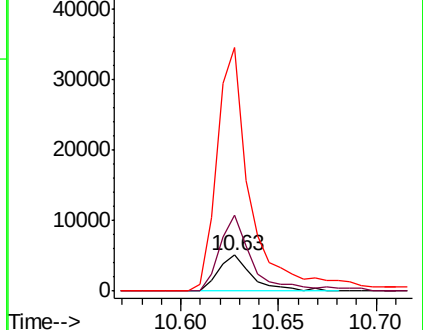
141 674.7 75.0 112.4#

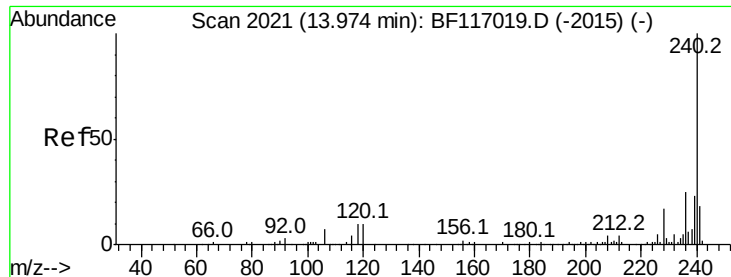


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

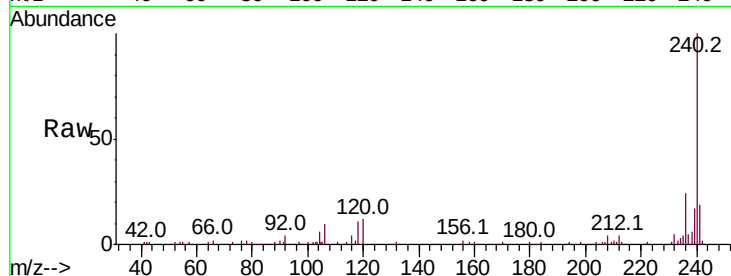




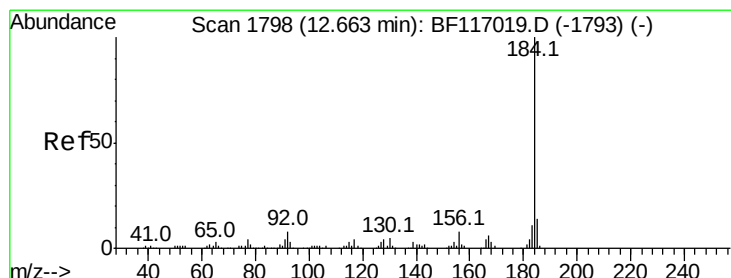
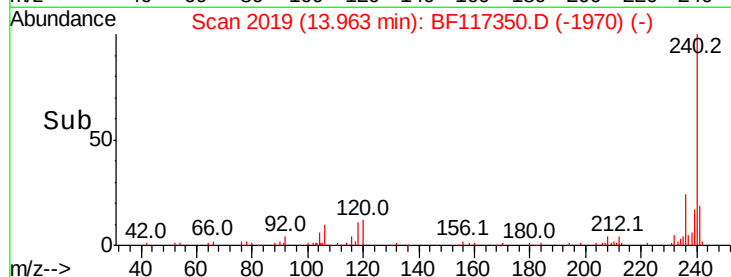
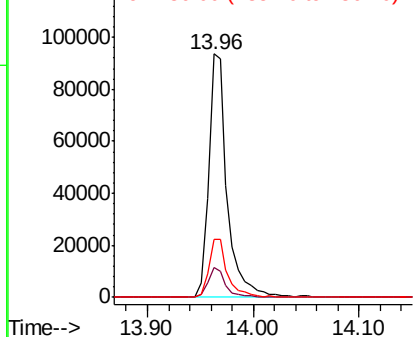
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BF117350.D
 Acq: 8 Oct 2019 19:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:240 Resp: 113928
 Ion Ratio Lower Upper
 240 100
 120 12.0 8.3 12.5
 236 23.9 20.3 30.5

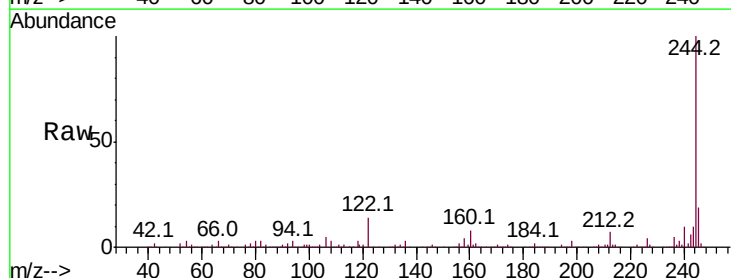


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

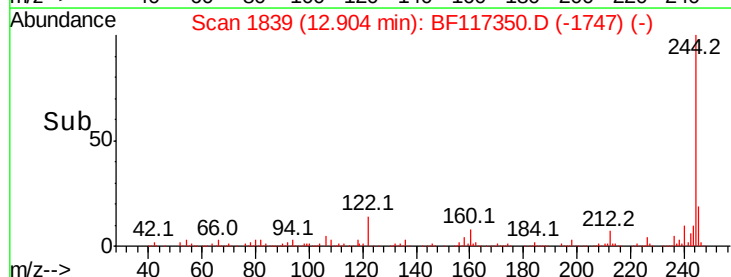
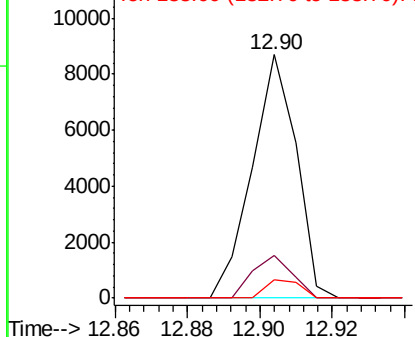


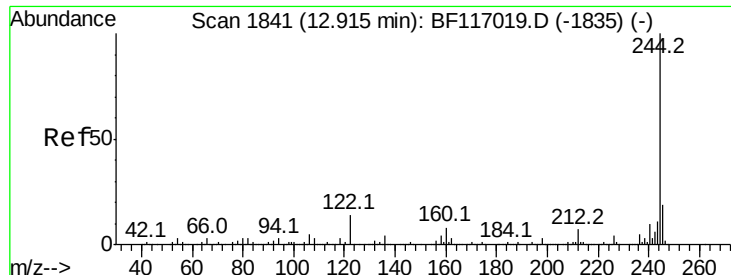
#77
 Benzidine
 Concen: 2.005 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. 0.24 min
 Lab File: BF117350.D
 Acq: 8 Oct 2019 19:36

Tgt Ion:184 Resp: 7360
 Ion Ratio Lower Upper
 184 100
 185 17.6 11.6 17.4#
 183 7.4 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: 89.754 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF117350.D

Acq: 8 Oct 2019 19:36

Instrument :

BNA_F

ClientSampleId :

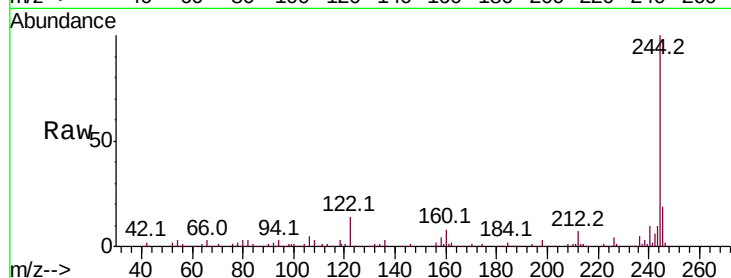
Tot Ion:244 Resp: 547043

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.8

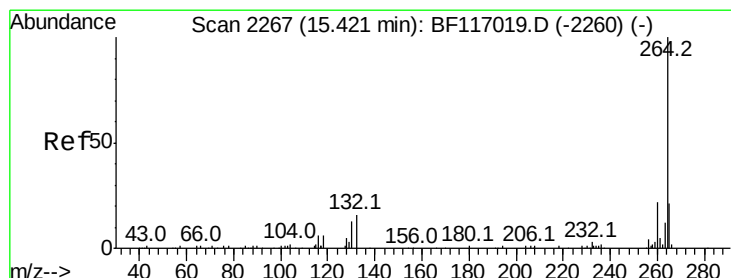
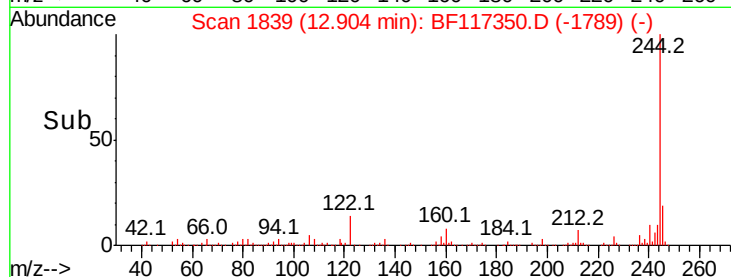
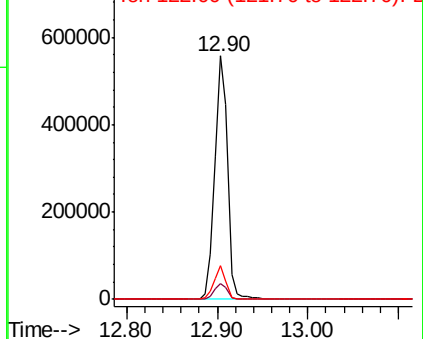
122 13.9 11.3 16.9



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

Perylene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2267

Delta R.T. -0.01 min

Lab File: BF117350.D

Acq: 8 Oct 2019 19:36

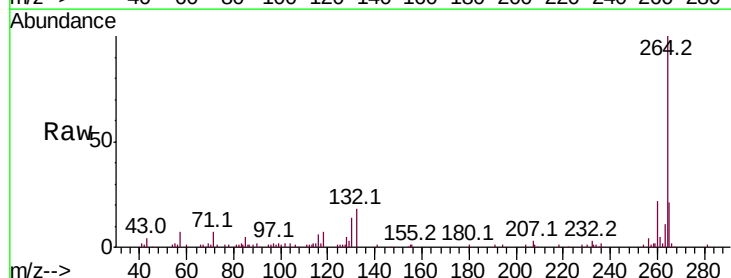
Tgt Ion:264 Resp: 107346

Ion Ratio Lower Upper

264 100

260 22.5 17.6 26.4

265 21.5 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

