

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092419\
 Data File : BF117219.D
 Acq On : 24 Sep 2019 16:53
 Operator : JU
 Sample : PB123227BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 25 02:37:50 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

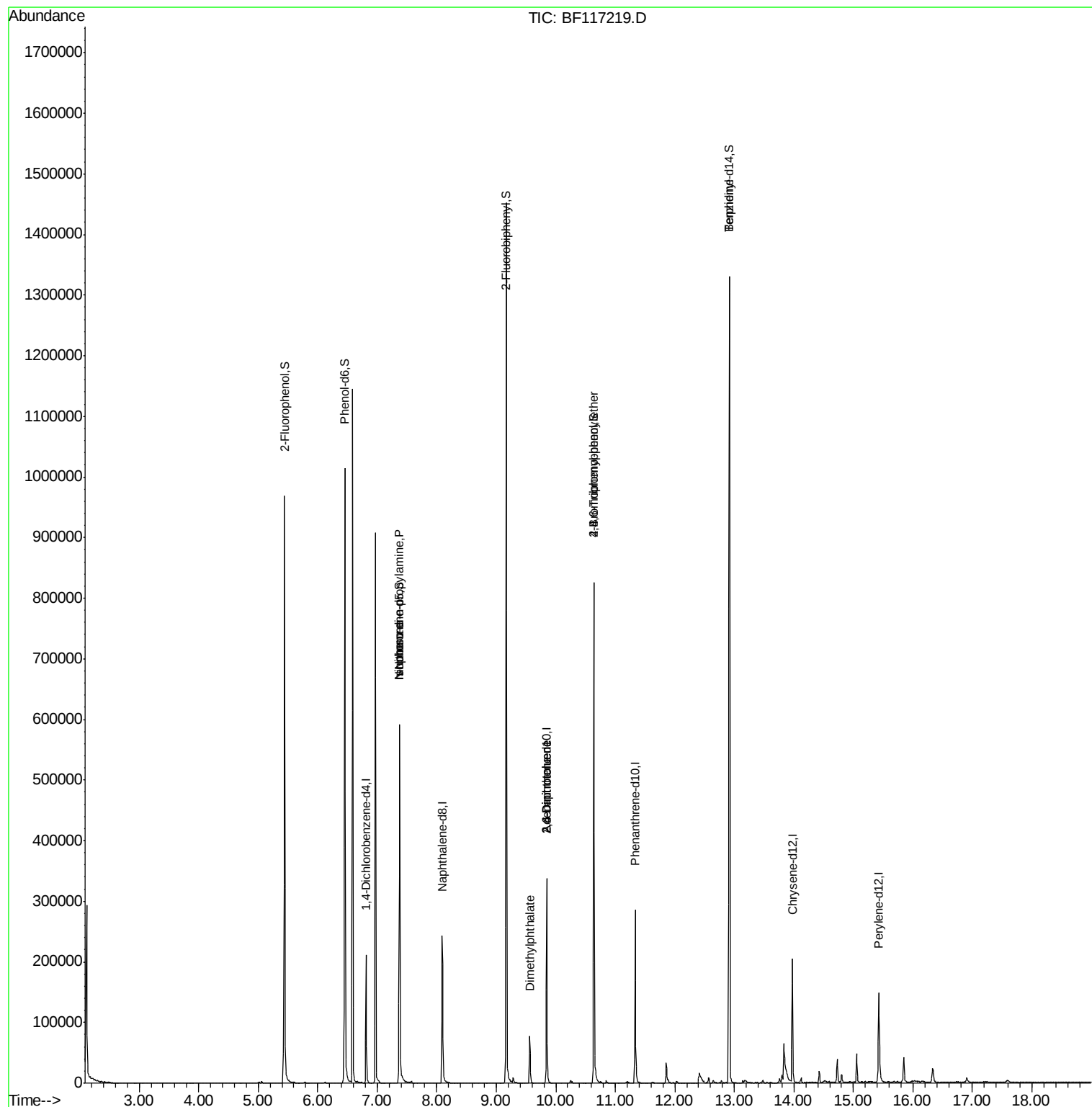
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	33750	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	137138	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	71280	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	116831	20.00	ng	0.00
76) Chrysene-d12	13.97	240	76220	20.00	ng	0.00
87) Perylene-d12	15.43	264	63899	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	270923	125.33	ng	0.00
7) Phenol-d6	6.46	99	378019	135.31	ng	0.00
23) Nitrobenzene-d5	7.37	82	235759	90.33	ng	-0.01
42) 2,4,6-Tribromophenol	10.64	330	93179	156.41	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	439738	96.46	ng	0.00
79) Terphenyl-d14	12.92	244	495903	121.62	ng	0.00
Target Compounds						
9) Benzaldehyde	6.46	77	313	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	32164	18.907	ng	# 1
25) Isophorone	7.37	82	235757	51.015	ng	# 81
50) Dimethylphthalate	9.56	163	36542	7.240	ng	# 66
51) 2,6-Dinitrotoluene	9.85	165	9210	8.960	ng	# 99
57) 2,4-Dinitrotoluene	9.85	165	9210	6.903	ng	# 24
67) 4-Bromophenyl-phenylether	10.64	248	5652	4.737	ng	# 18
77) Benzidine	12.92	184	7429	3.026	ng	# 1
						# 92

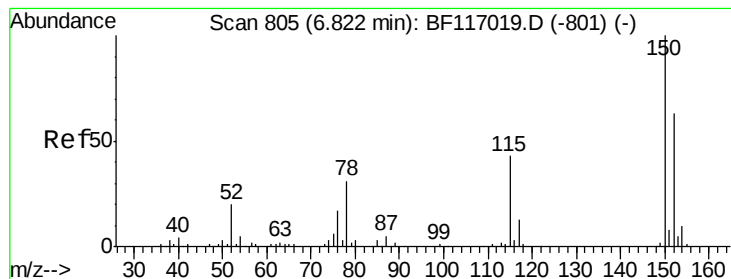
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.81 min Scan# 803

Delta R.T. -0.01 min

Lab File: BF117219.D

Acq: 24 Sep 2019 16:53

Instrument :

BNA_F

ClientSampleId :

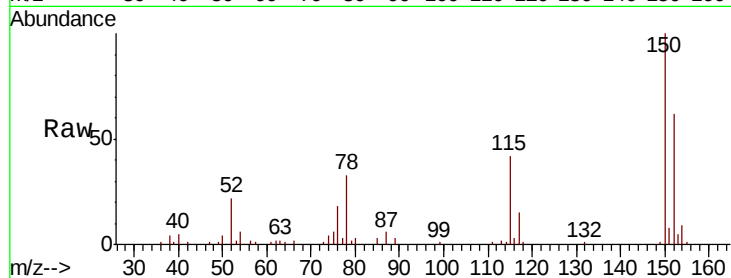
Tot Ion:152 Resp: 33750

Ion Ratio Lower Upper

152 100

150 161.5 127.5 191.3

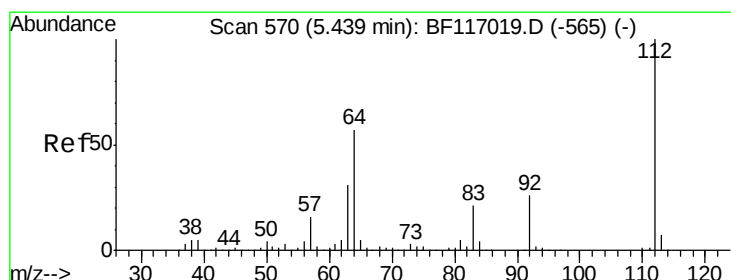
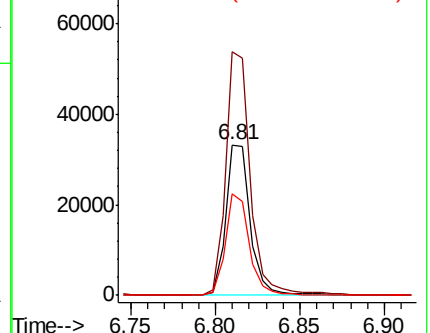
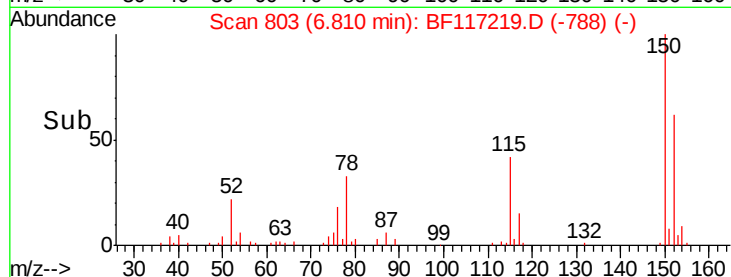
115 67.1 55.0 82.4



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: 125.327 ng

RT: 5.45 min Scan# 571

Delta R.T. 0.01 min

Lab File: BF117219.D

Acq: 24 Sep 2019 16:53

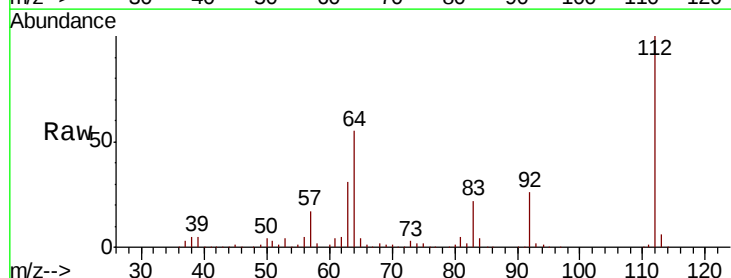
Tgt Ion:112 Resp: 270923

Ion Ratio Lower Upper

112 100

64 54.5 45.7 68.5

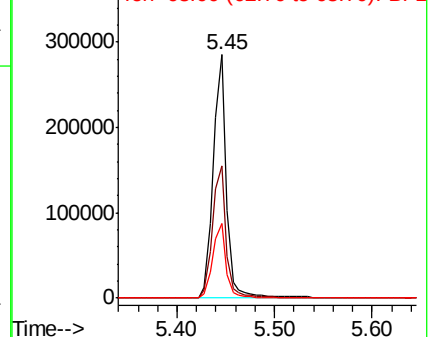
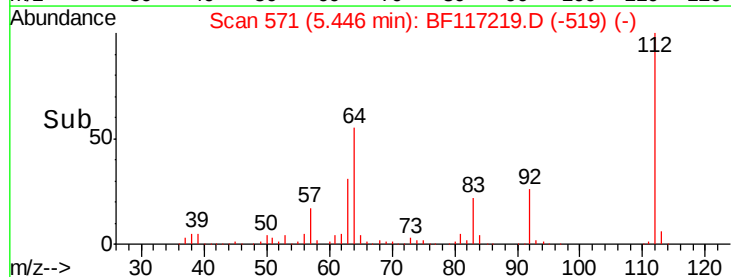
63 30.6 24.9 37.3

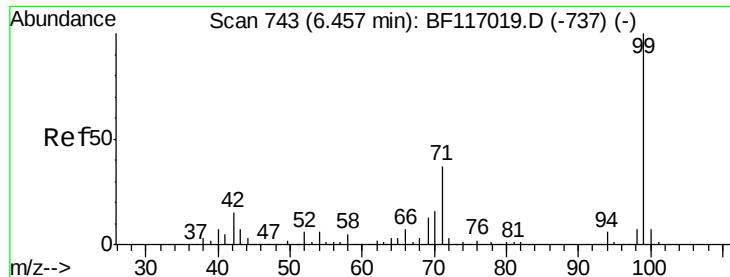


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 135.309 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF117219.D

Acq: 24 Sep 2019 16:53

Instrument :

BNA_F

ClientSampled :

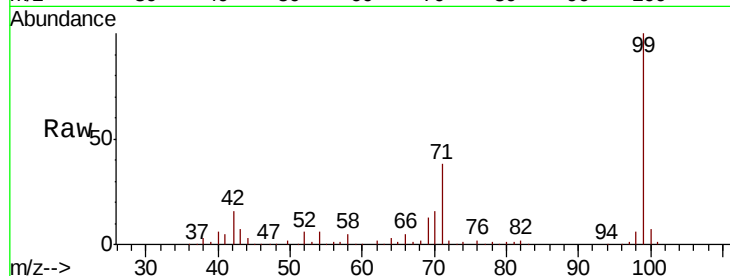
Tot Ion: 99 Resp: 378019

Ion Ratio Lower Upper

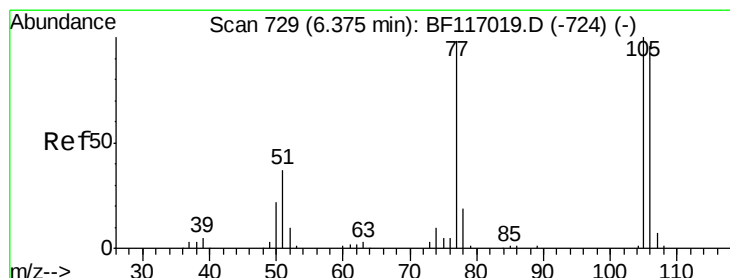
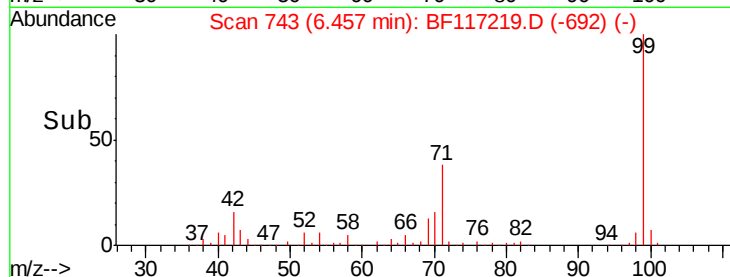
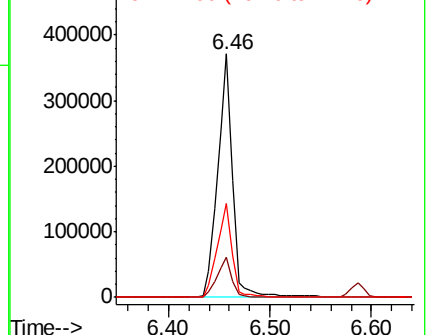
99 100

42 16.3 12.2 18.2

71 38.4 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: 6.46 min Scan# 743

Delta R.T. 0.08 min

Lab File: BF117219.D

Acq: 24 Sep 2019 16:53

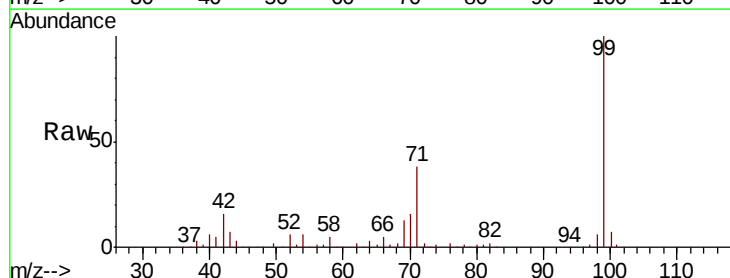
Tgt Ion: 77 Resp: 313

Ion Ratio Lower Upper

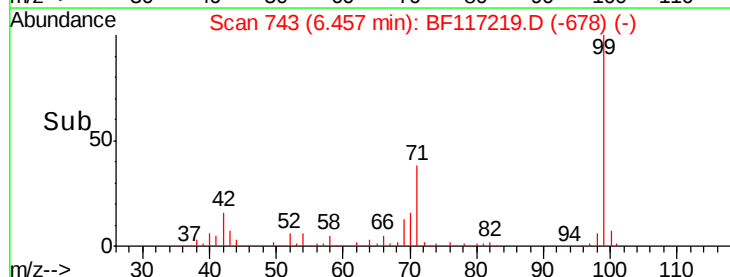
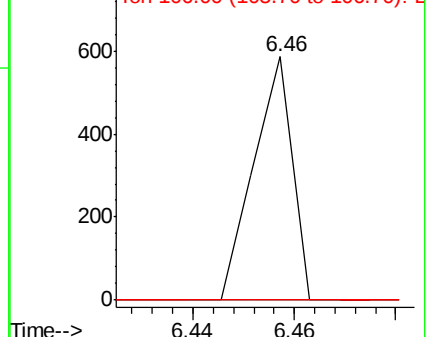
77 100

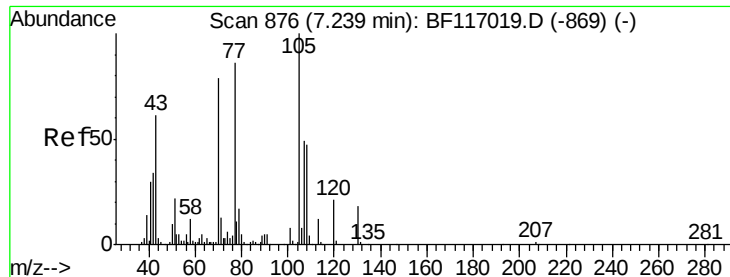
105 0.0 81.8 121.8#

106 0.0 77.3 117.3#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 18.907 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.14 min

Lab File: BF117219.D

Acq: 24 Sep 2019 16:53

Instrument :

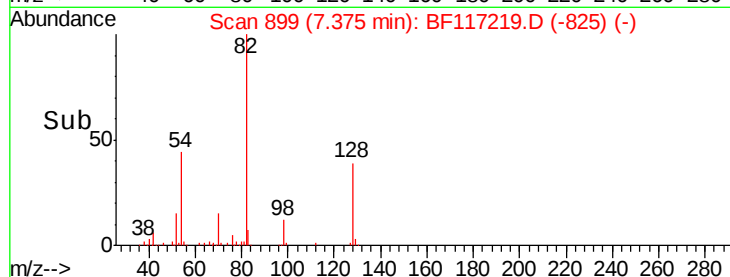
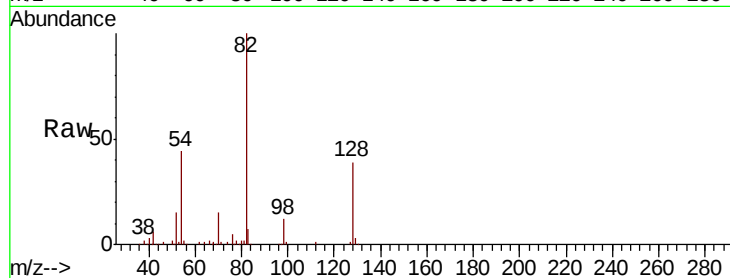
BNA_F

ClientSampled :

Tot Ion: 70 Resp: 32164

Ion Ratio Lower Upper

70	100		
42	39.6	34.0	51.0
101	0.0	7.8	11.6#
130	2.3	17.8	26.8#

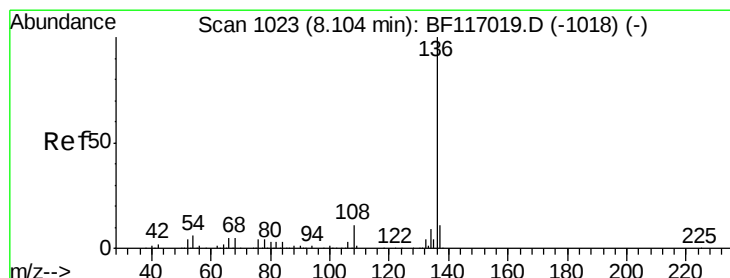
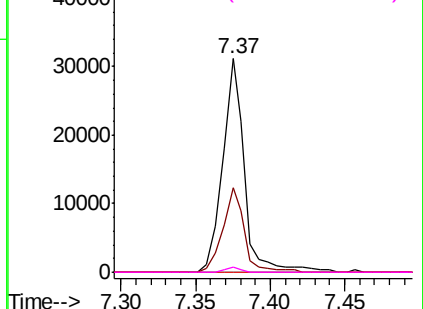


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.09 min Scan# 1021

Delta R.T. -0.01 min

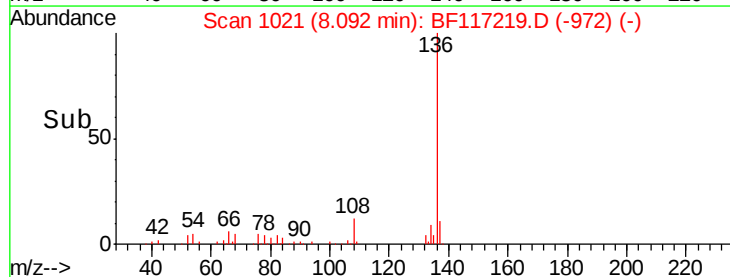
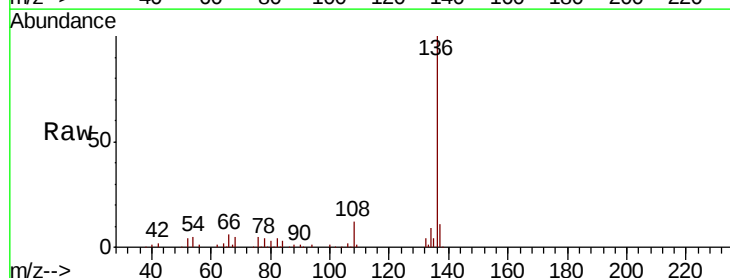
Lab File: BF117219.D

Acq: 24 Sep 2019 16:53

Tgt Ion: 136 Resp: 137138

Ion Ratio Lower Upper

136	100		
137	11.4	9.0	13.4
54	5.5	4.5	6.7
68	4.8	4.0	6.0

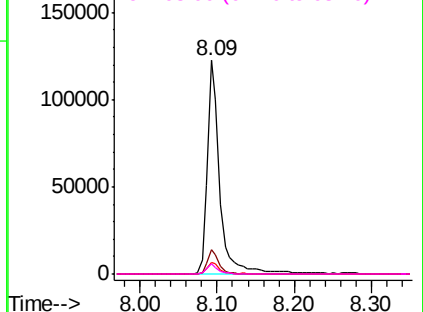


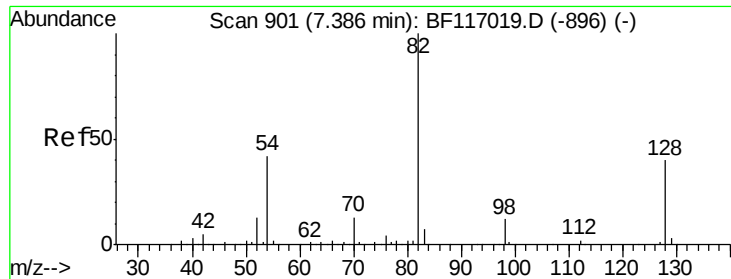
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

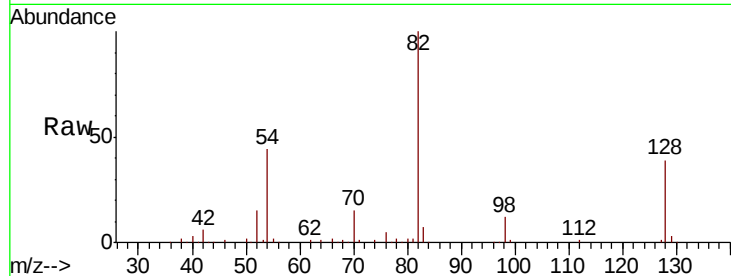




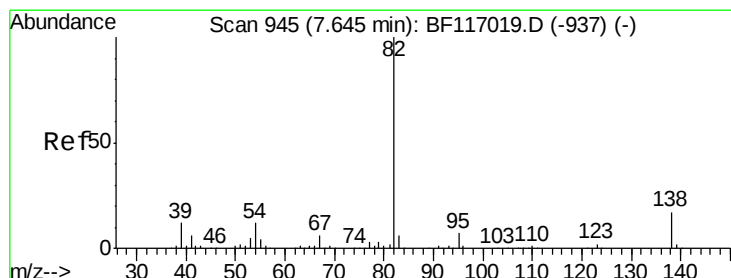
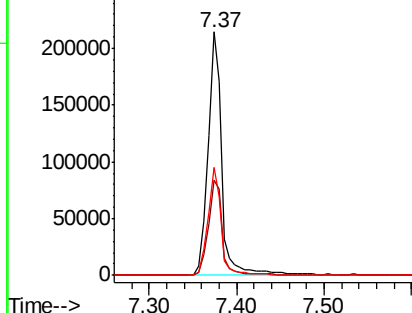
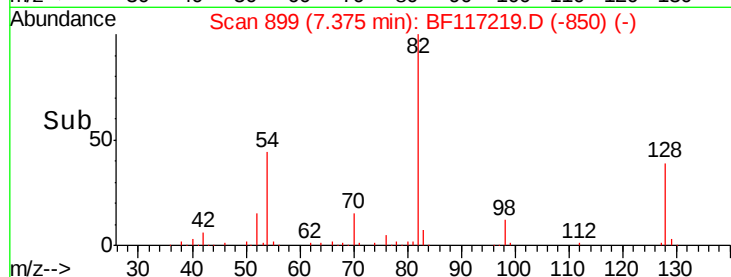
#23
Nitrobenzene-d5
Concen: 90.328 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF117219.D
Acq: 24 Sep 2019 16:53

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	235759
Ion Ratio	Lower	Upper	
82	100		
128	39.3	32.3	48.5
54	44.3	33.3	49.9

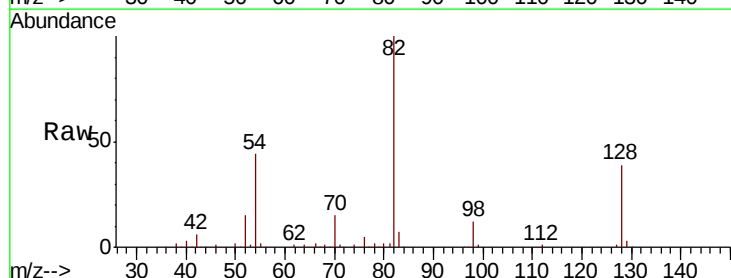


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

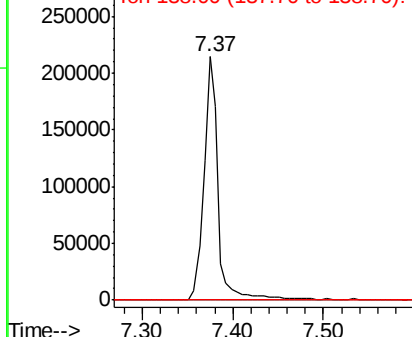
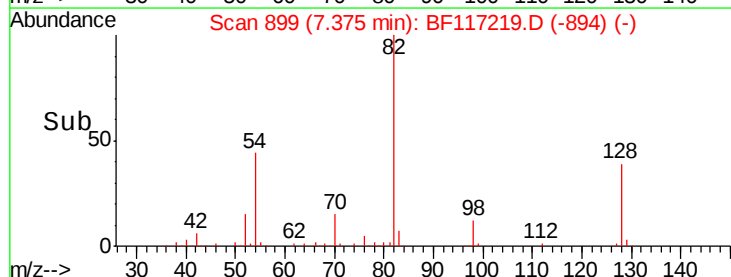


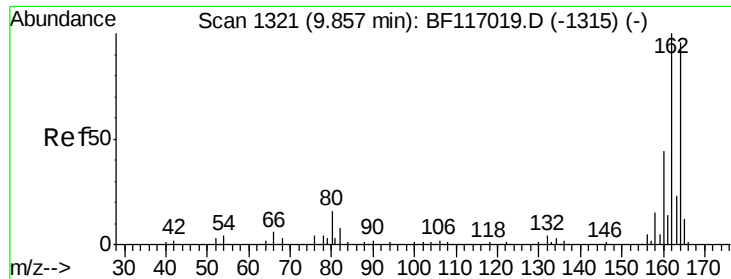
#25
Isophorone
Concen: 51.015 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.27 min
Lab File: BF117219.D
Acq: 24 Sep 2019 16:53

Tgt Ion	82	Resp	235757
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

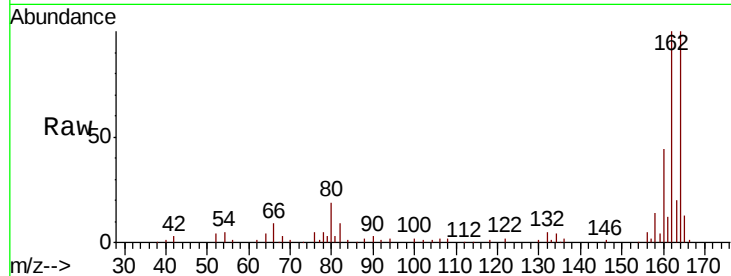




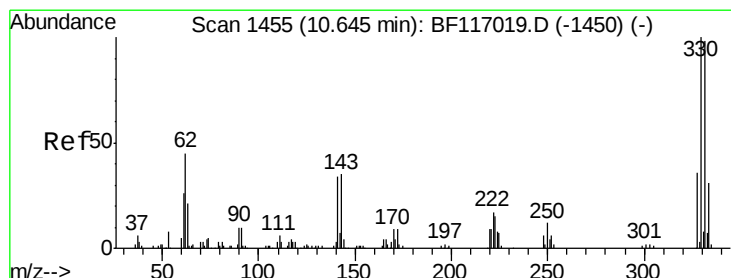
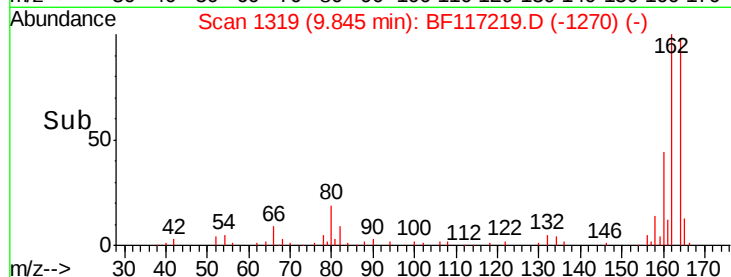
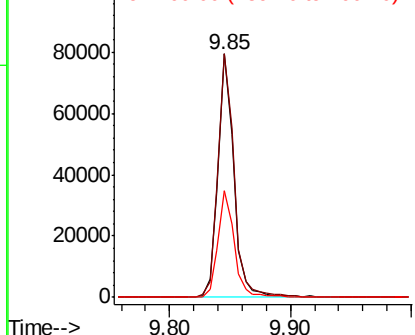
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF117219.D
Acq: 24 Sep 2019 16:53

Instrument :
BNA_F
ClientSampled :

Tot Ion:164 Resp: 71280
Ion Ratio Lower Upper
164 100
162 100.1 83.4 125.2
160 43.7 36.4 54.6

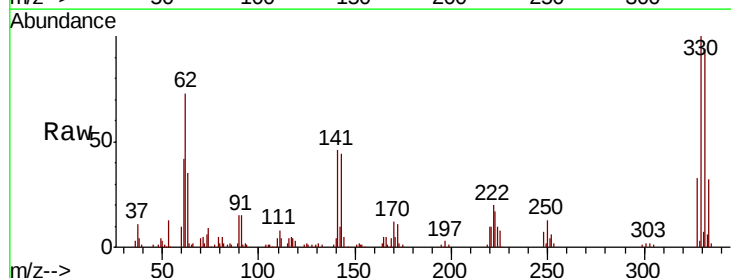


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

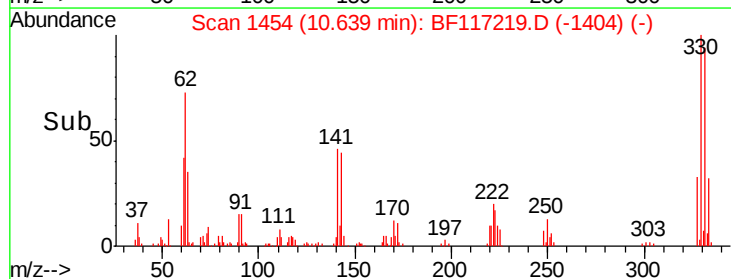
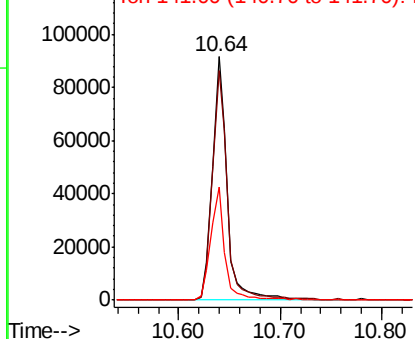


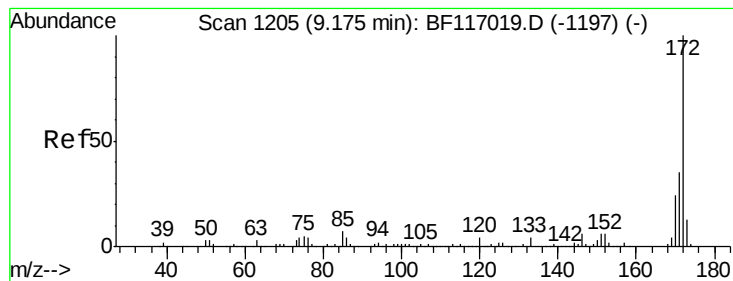
#42
2,4,6-Tribromophenol
Concen: 156.409 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF117219.D
Acq: 24 Sep 2019 16:53

Tgt Ion:330 Resp: 93179
Ion Ratio Lower Upper
330 100
332 96.3 78.0 117.0
141 44.2 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: 96.460 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF117219.D

Acq: 24 Sep 2019 16:53

Instrument :

BNA_F

ClientSampleId :

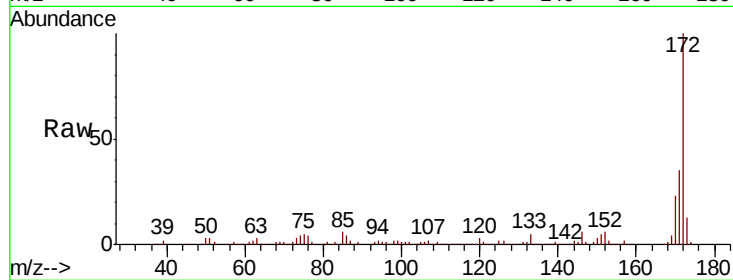
Tot Ion:172 Resp: 439738

Ion Ratio Lower Upper

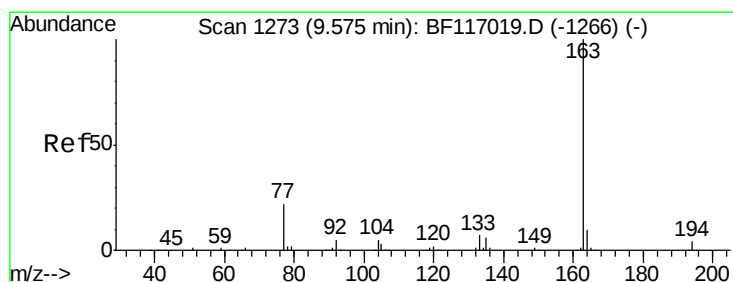
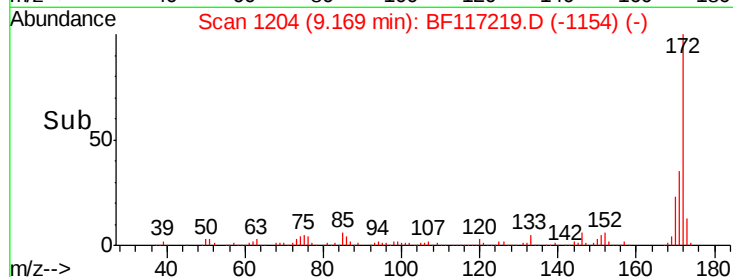
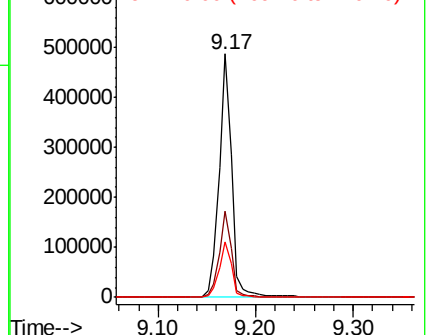
172 100

171 35.2 28.2 42.2

170 23.0 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: 7.240 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.01 min

Lab File: BF117219.D

Acq: 24 Sep 2019 16:53

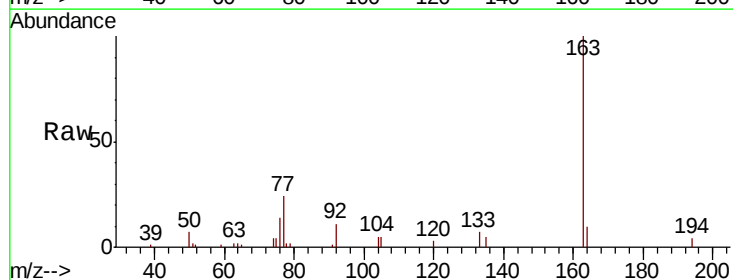
Tgt Ion:163 Resp: 36542

Ion Ratio Lower Upper

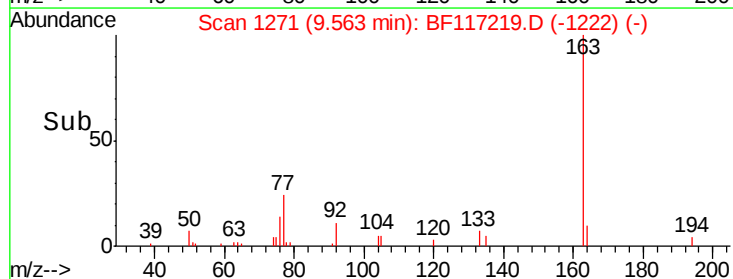
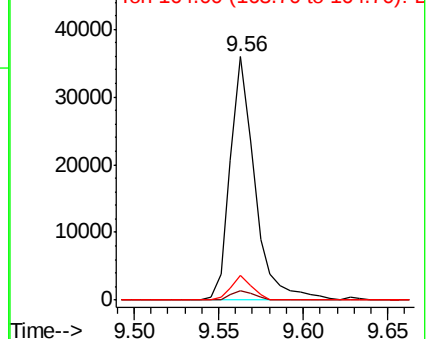
163 100

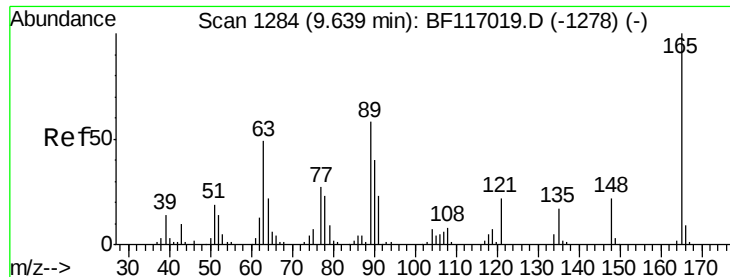
194 3.9 2.9 4.3

164 10.1 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: 8.960 ng

RT: 9.85 min Scan# 1319

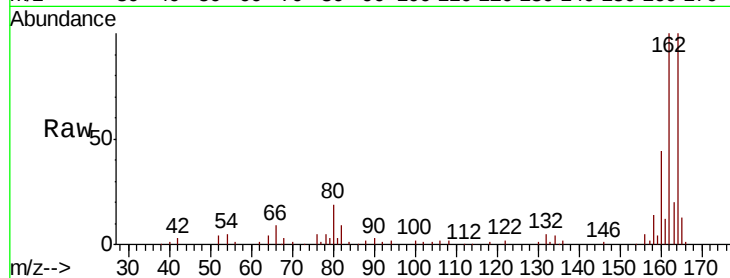
Delta R.T. 0.21 min

Lab File: BF117219.D

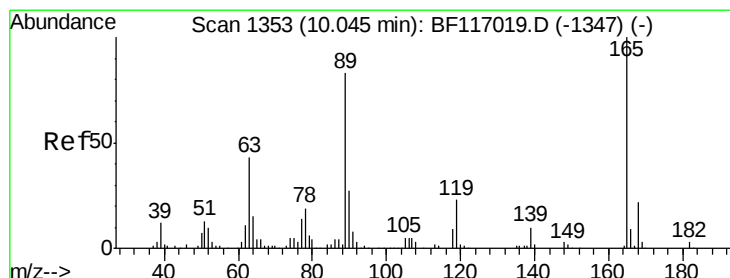
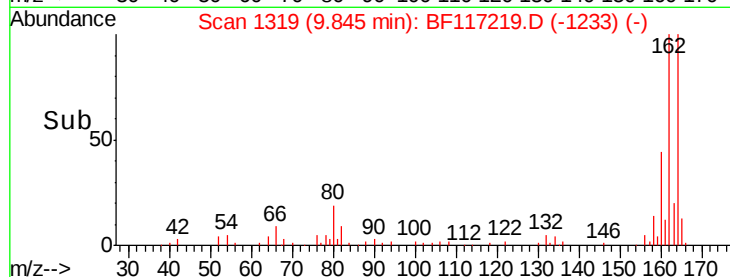
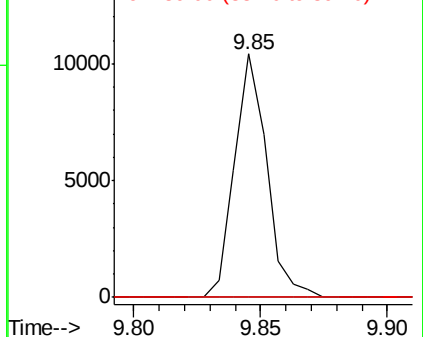
Acq: 24 Sep 2019 16:53

Instrument :
BNA_F
ClientSampled :

Tot Ion:165	Resp:	9210
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: 6.903 ng

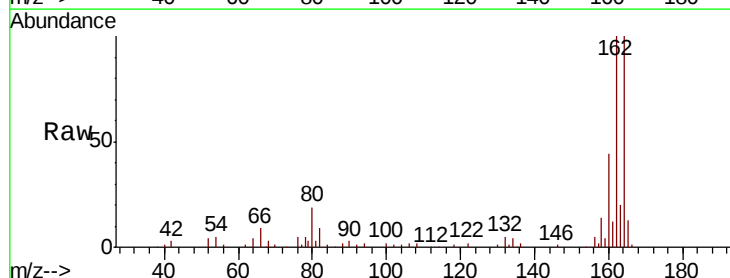
RT: 9.85 min Scan# 1319

Delta R.T. -0.20 min

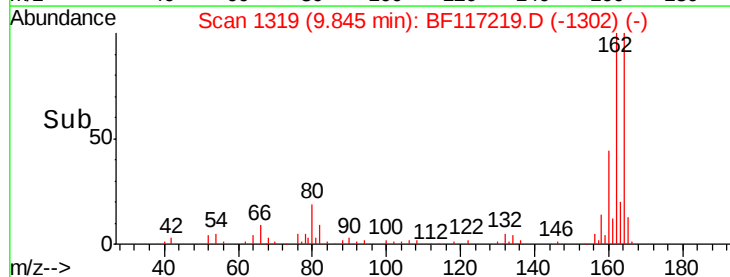
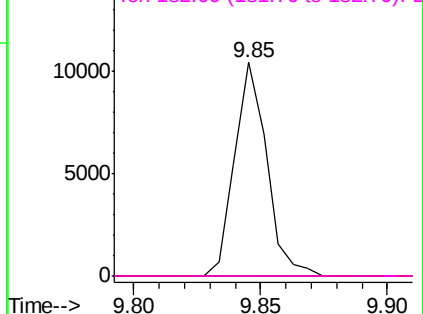
Lab File: BF117219.D

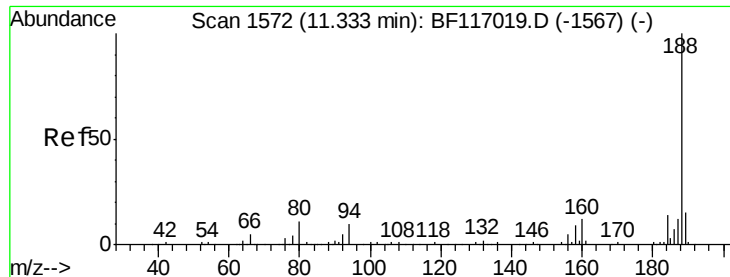
Acq: 24 Sep 2019 16:53

Tgt Ion:165	Resp:	9210
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

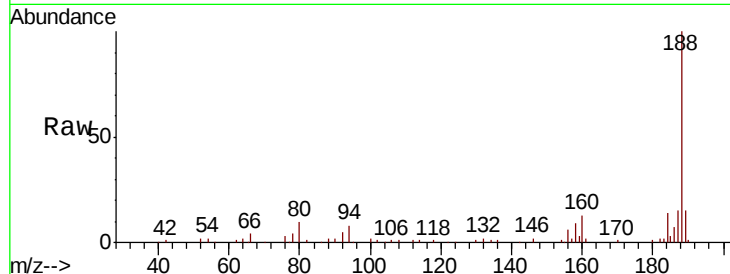




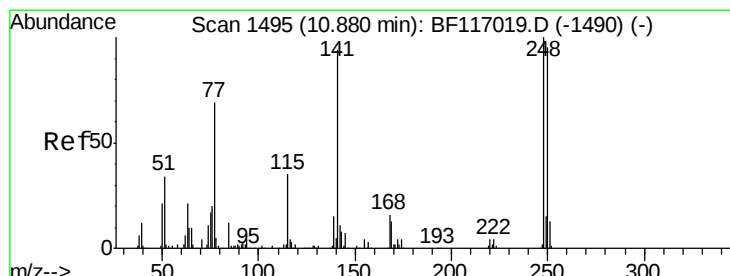
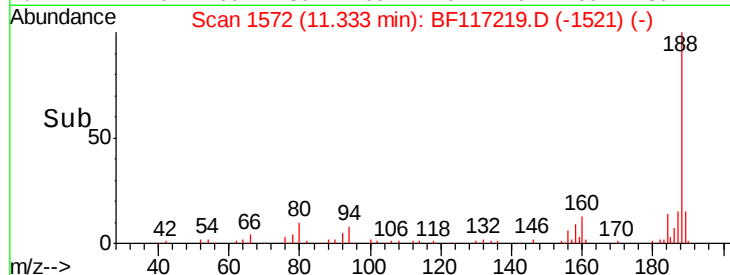
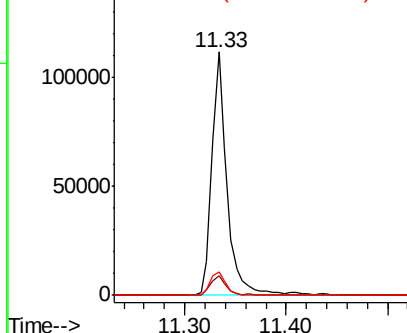
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF117219.D
 Acq: 24 Sep 2019 16:53

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
188	100		
94	8.2	8.2	12.2#
80	9.7	9.0	13.6

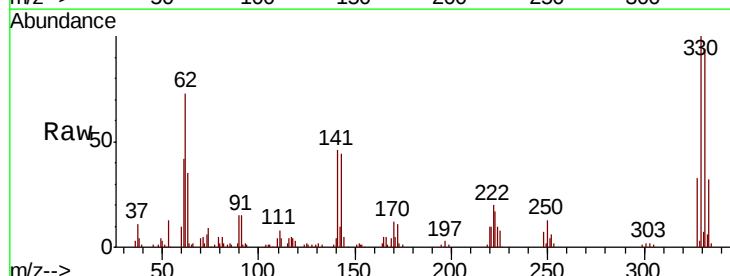


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

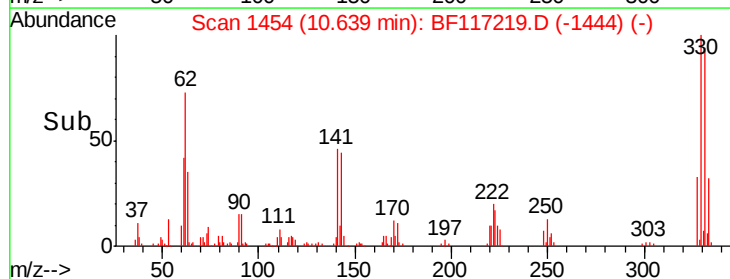
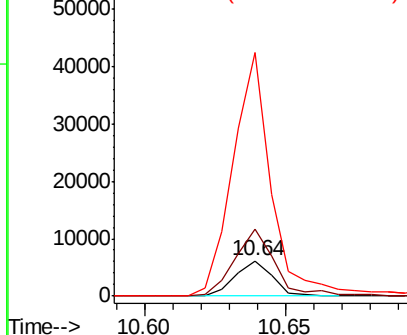


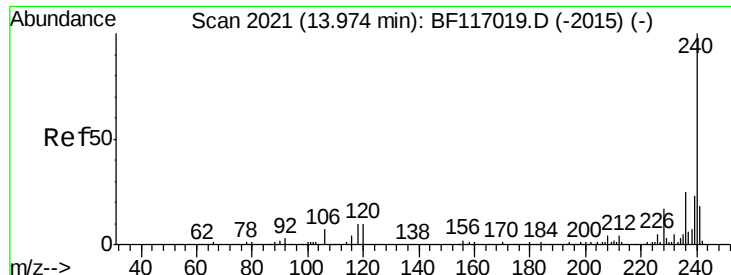
#67
 4-Bromophenyl-phenylether
 Concen: 4.737 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF117219.D
 Acq: 24 Sep 2019 16:53

Tgt Ion	Ratio	Lower	Upper
248	100		
250	190.4	76.2	114.4#
141	688.8	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

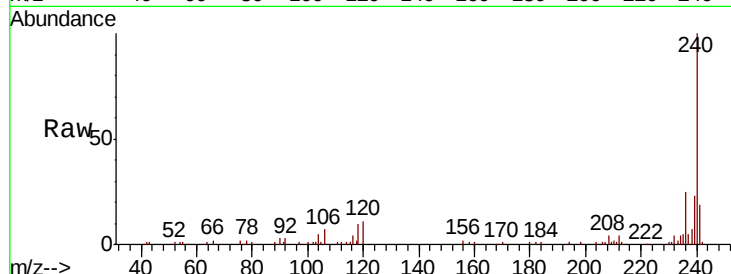




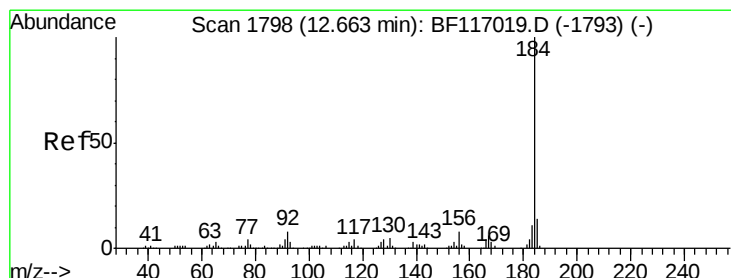
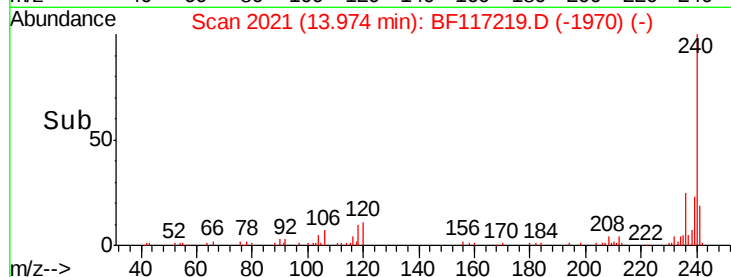
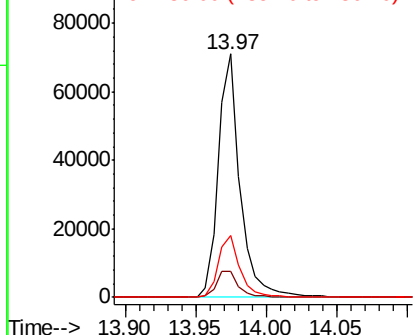
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BF117219.D
Acq: 24 Sep 2019 16:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 76220
Ion Ratio Lower Upper
240 100
120 10.8 8.3 12.5
236 25.2 20.3 30.5

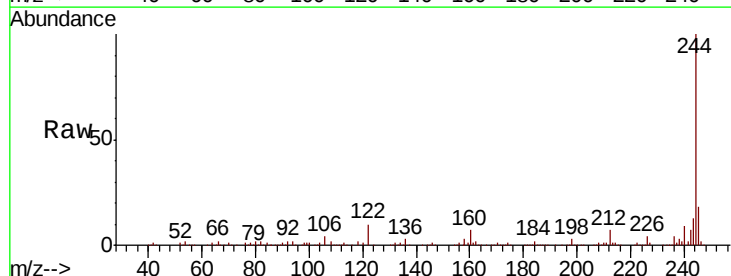


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

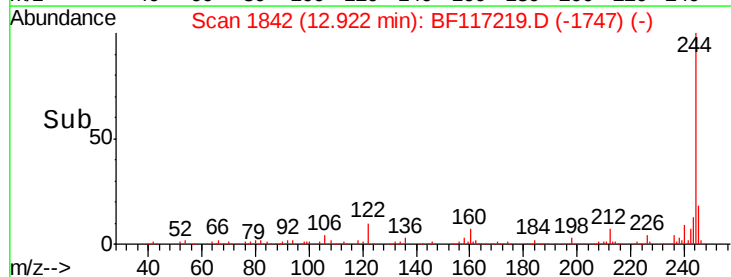
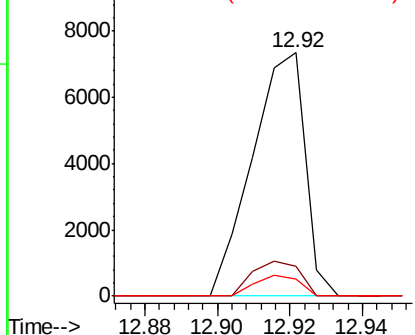


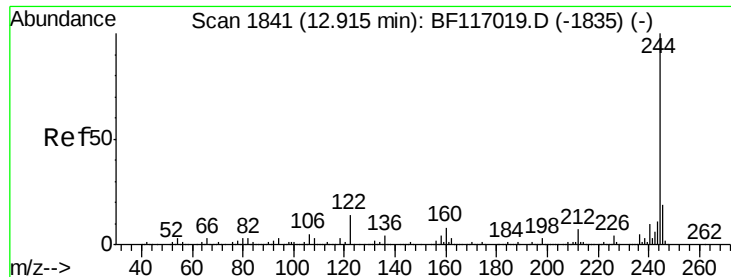
#77
Benzidine
Concen: 3.026 ng
RT: 12.92 min Scan# 1842
Delta R.T. 0.26 min
Lab File: BF117219.D
Acq: 24 Sep 2019 16:53

Tgt Ion:184 Resp: 7429
Ion Ratio Lower Upper
184 100
185 12.1 11.6 17.4
183 7.1 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: 121.615 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.01 min

Lab File: BF117219.D

Acq: 24 Sep 2019 16:53

Instrument :

BNA_F

ClientSampleId :

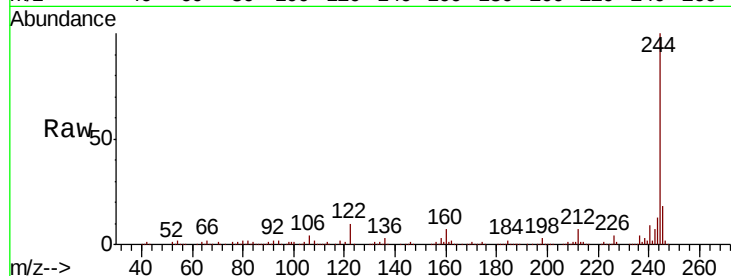
Tot Ion:244 Resp: 495903

Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.8

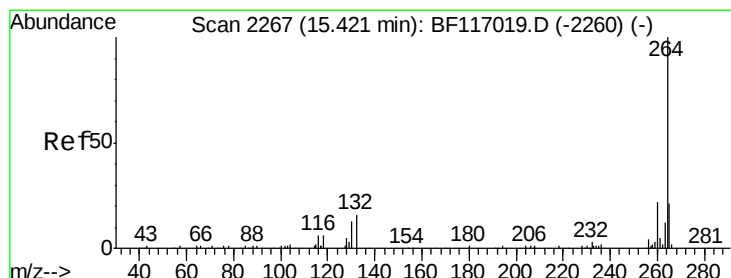
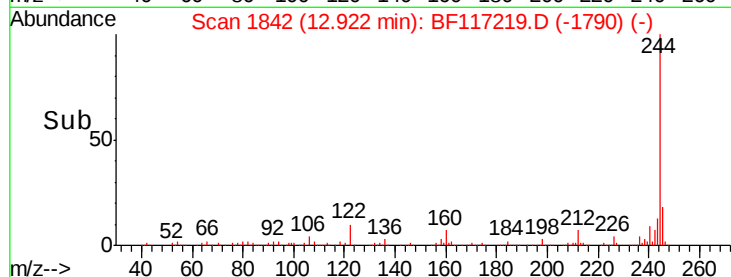
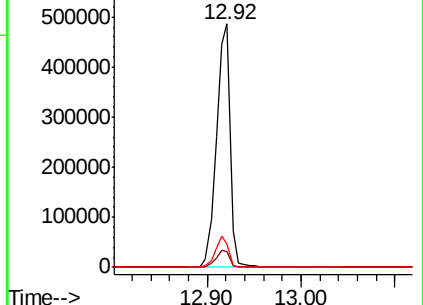
122 9.8 11.3 16.9#



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: 15.43 min Scan# 2268

Delta R.T. 0.01 min

Lab File: BF117219.D

Acq: 24 Sep 2019 16:53

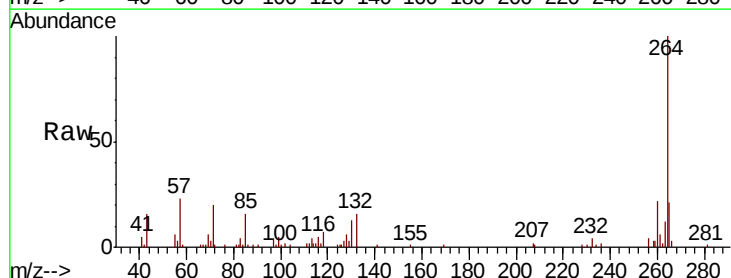
Tgt Ion:264 Resp: 63899

Ion Ratio Lower Upper

264 100

260 22.3 17.6 26.4

265 20.8 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

