

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092419\
 Data File : BF117218.D
 Acq On : 24 Sep 2019 16:27
 Operator : JU
 Sample : PB123339BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 25 02:37:42 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

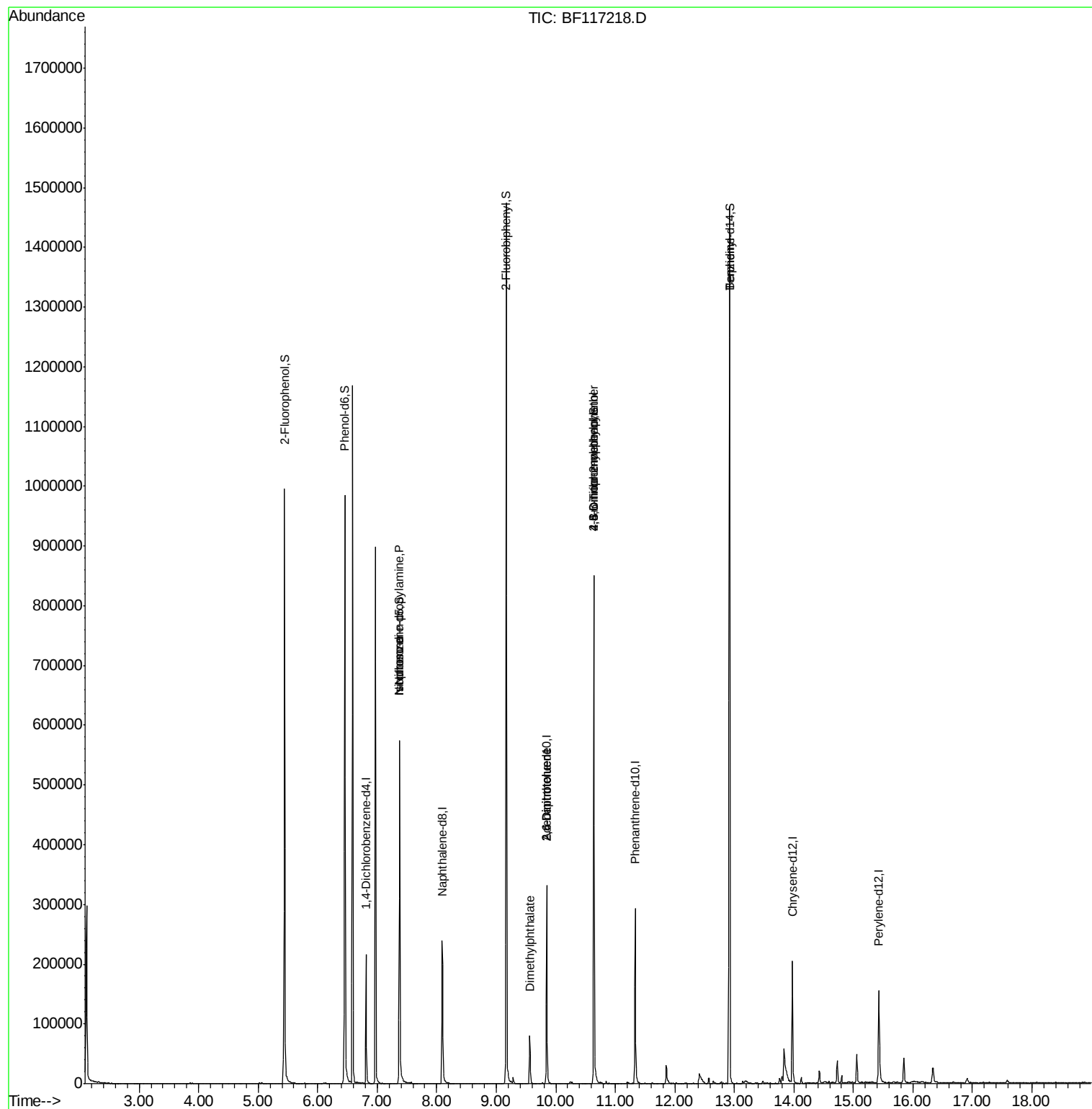
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	34459	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	138413	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	71634	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	116262	20.00	ng	0.00
76) Chrysene-d12	13.97	240	75044	20.00	ng	0.00
87) Perylene-d12	15.43	264	60871	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	271020	122.79	ng	0.00
7) Phenol-d6	6.46	99	376952	132.15	ng	0.00
23) Nitrobenzene-d5	7.37	82	236153	89.65	ng	-0.01
42) 2,4,6-Tribromophenol	10.64	330	93323	155.88	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	444002	96.91	ng	0.00
79) Terphenyl-d14	12.92	244	490310	122.13	ng	0.00
Target Compounds						
9) Benzaldehyde	6.46	77	483	Below Cal		Qvalue # 1
19) n-Nitroso-di-n-propylamine	7.37	70	32077	18.468	ng	# 83
25) Isophorone	7.37	82	236150	50.630	ng	# 66
50) Dimethylphthalate	9.56	163	36401	7.177	ng	# 97
51) 2,6-Dinitrotoluene	9.85	165	8799	8.518	ng	# 24
57) 2,4-Dinitrotoluene	9.85	165	8799	6.562	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.64	198	106	7.074	ng	# 1
67) 4-Bromophenyl-phenylether	10.64	248	5853	4.930	ng	# 1
77) Benzidine	12.92	184	7319	3.028	ng	96

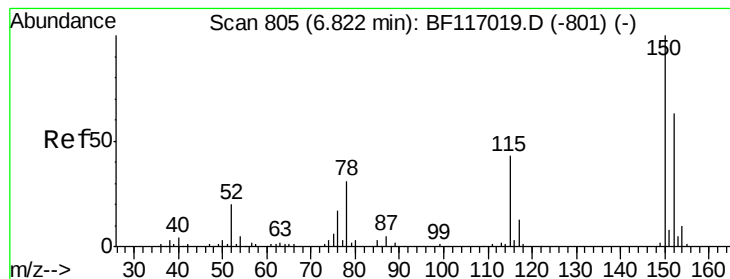
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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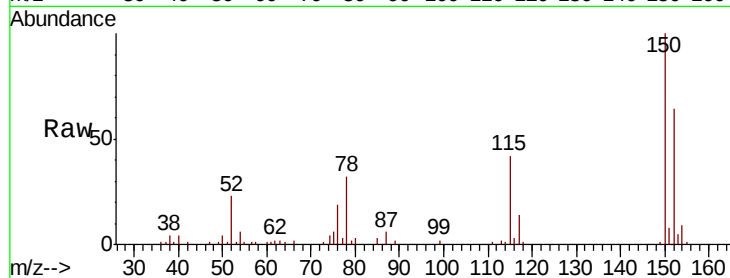


#1

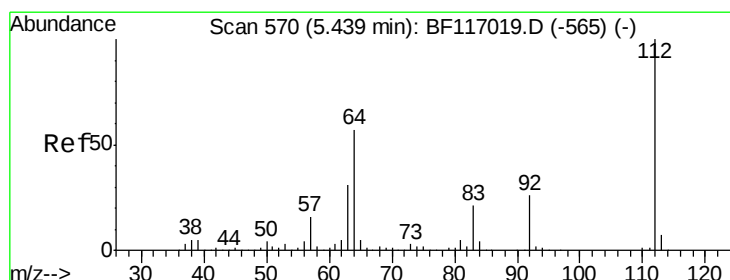
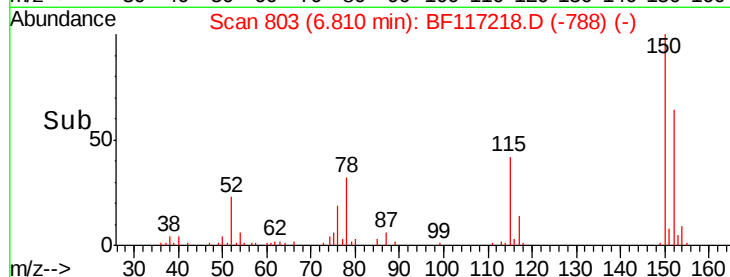
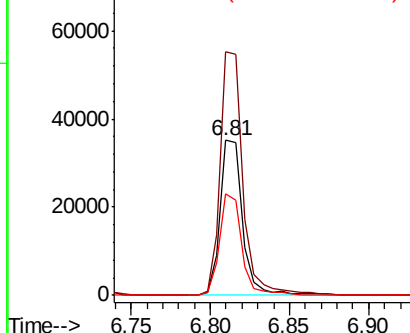
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF117218.D
Acq: 24 Sep 2019 16:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	127.5	191.3
115	65.8	55.0	82.4



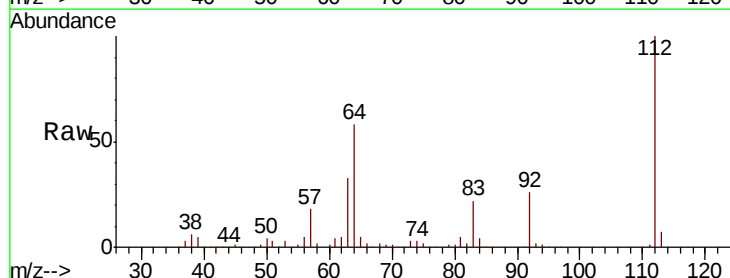
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



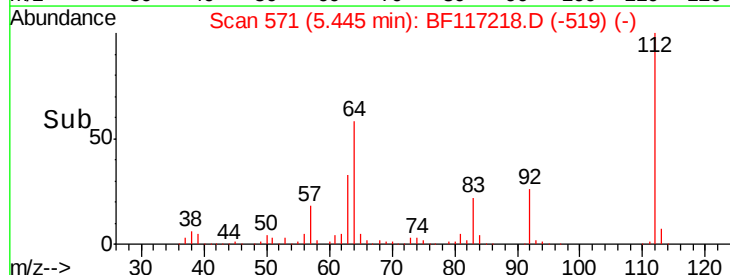
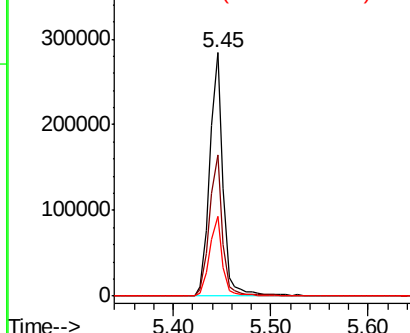
#5

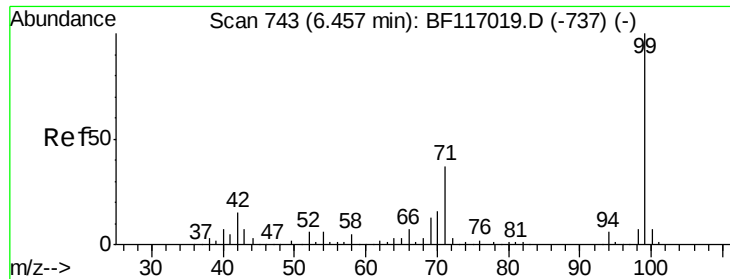
2-Fluorophenol
Concen: 122.792 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF117218.D
Acq: 24 Sep 2019 16:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	45.7	68.5
63	32.7	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: 132.151 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF117218.D

Acq: 24 Sep 2019 16:27

Instrument :

BNA_F

ClientSampled :

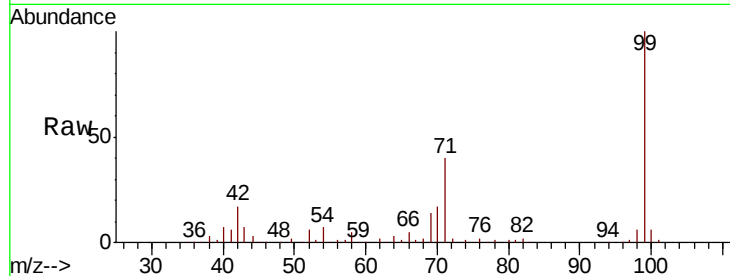
Tot Ion: 99 Resp: 376952

Ion Ratio Lower Upper

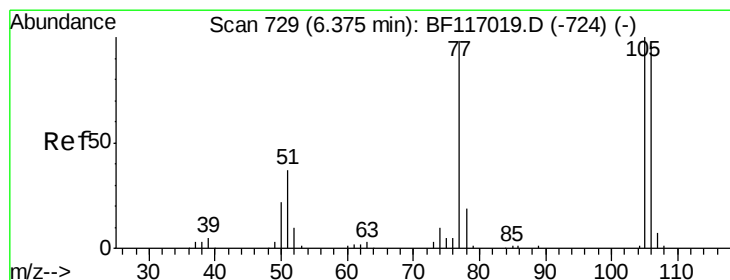
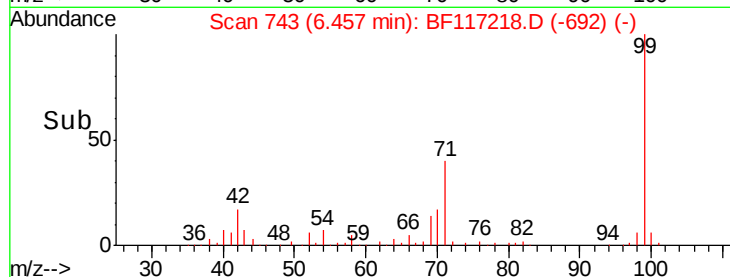
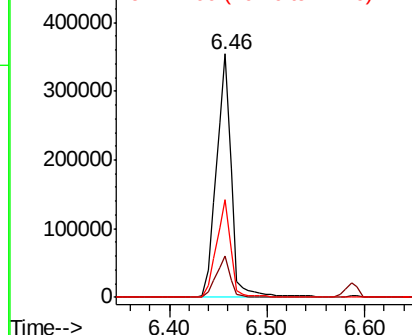
99 100

42 17.1 12.2 18.2

71 40.2 29.8 44.8



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: Below Cal

RT: 6.46 min Scan# 743

Delta R.T. 0.08 min

Lab File: BF117218.D

Acq: 24 Sep 2019 16:27

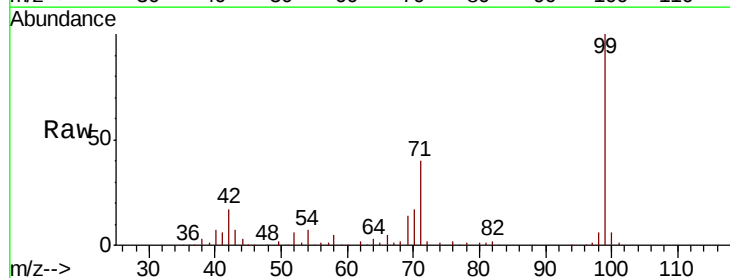
Tgt Ion: 77 Resp: 483

Ion Ratio Lower Upper

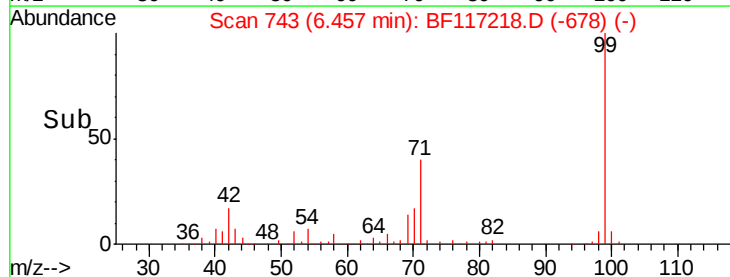
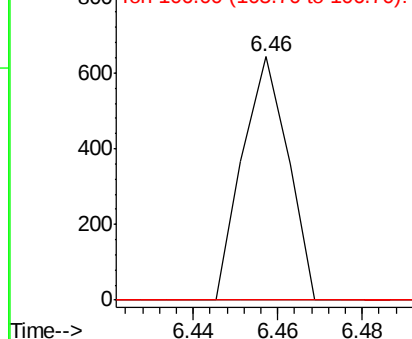
77 100

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

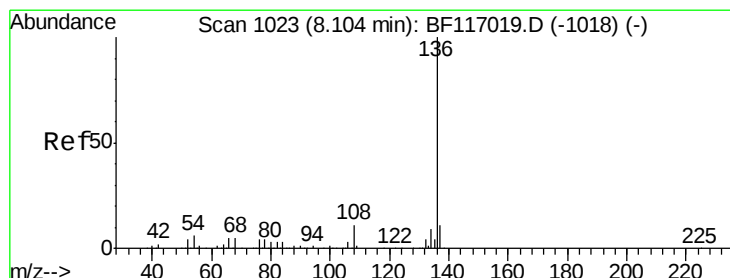
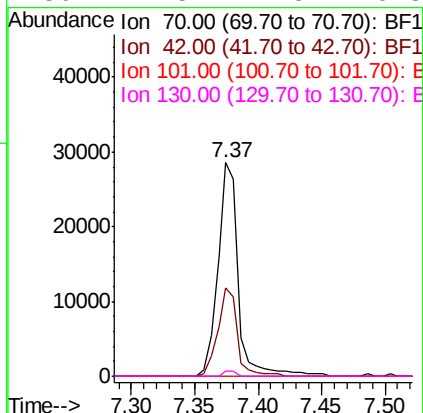
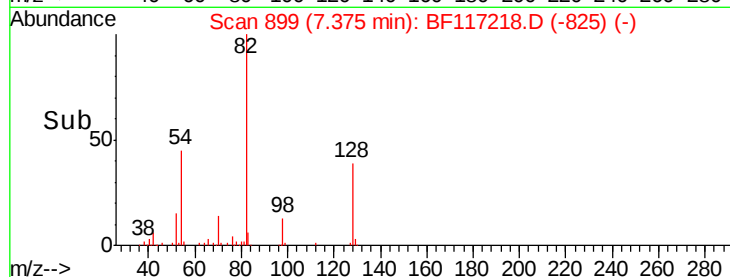
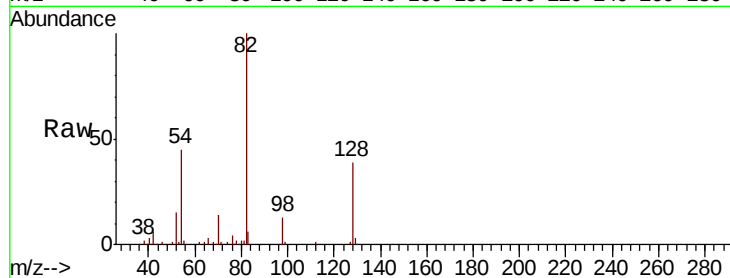




#19
n-Nitroso-di-n-propylamine
Concen: 18.468 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.14 min
Lab File: BF117218.D
Acq: 24 Sep 2019 16:27

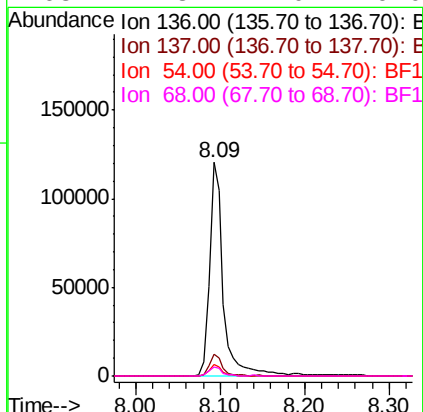
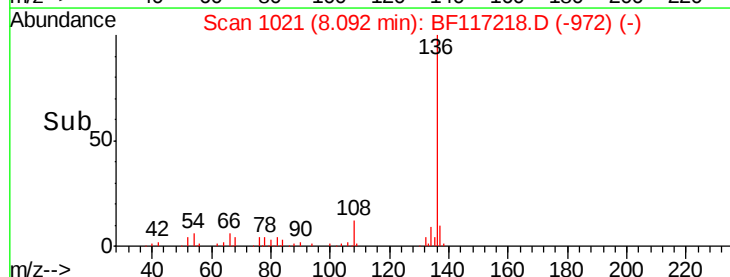
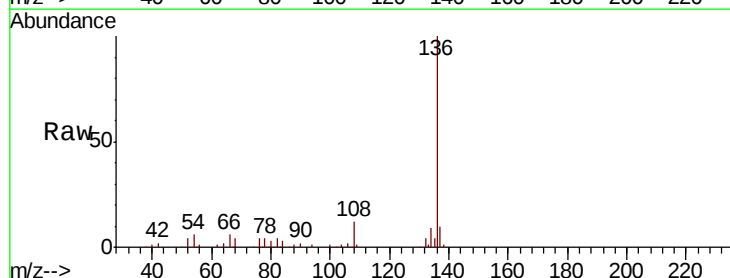
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 32077
Ion Ratio Lower Upper
70 100
42 41.5 34.0 51.0
101 0.0 7.8 11.6#
130 2.5 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF117218.D
Acq: 24 Sep 2019 16:27

Tgt Ion:136 Resp: 138413
Ion Ratio Lower Upper
136 100
137 10.2 9.0 13.4
54 5.7 4.5 6.7
68 4.3 4.0 6.0

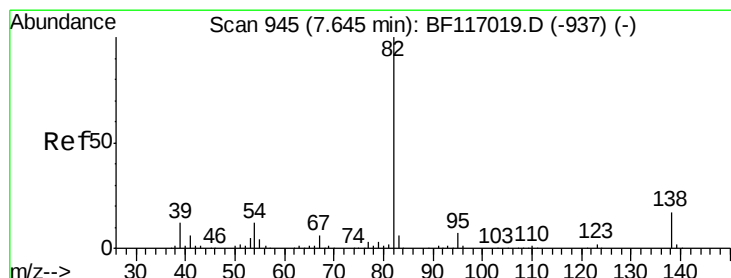
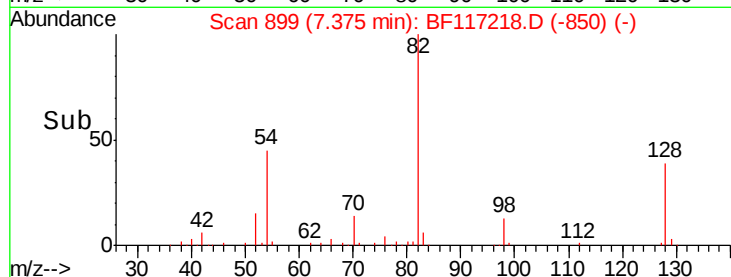
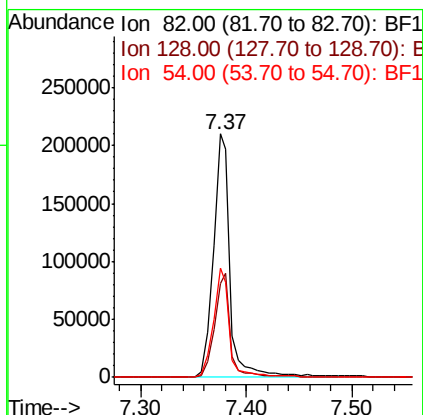
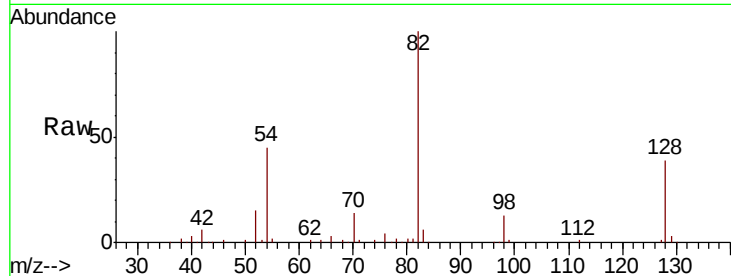




#23
 Nitrobenzene-d5
 Concen: 89.645 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: BF117218.D
 Acq: 24 Sep 2019 16:27

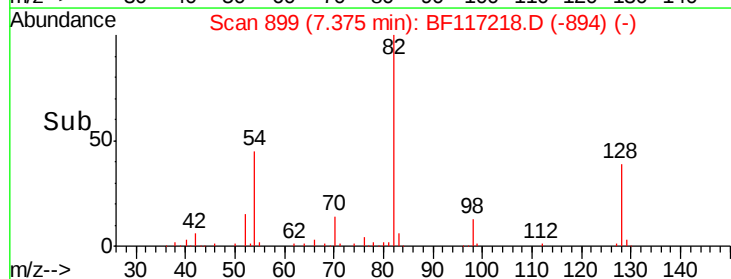
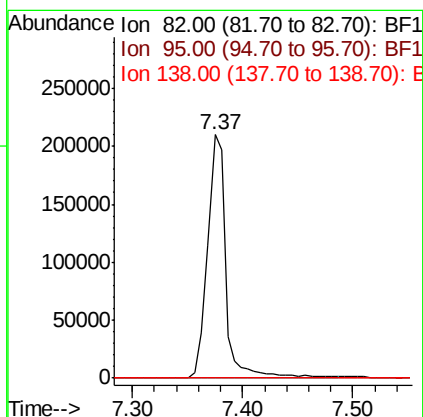
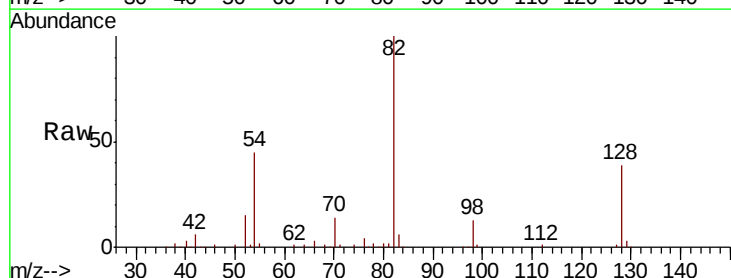
Instrument :
 BNA_F
 ClientSampled :

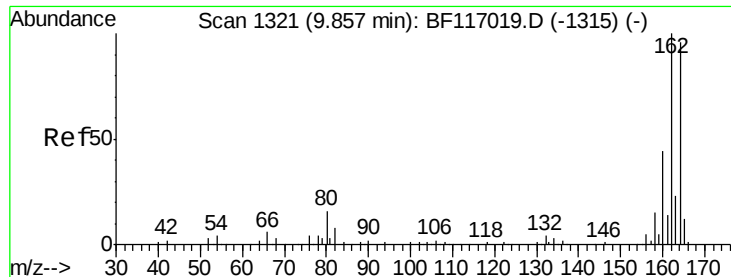
Tot Ion	82	Resp	236153
Ion Ratio	Lower	Upper	
82	100		
128	38.7	32.3	48.5
54	45.0	33.3	49.9



#25
 Isophorone
 Concen: 50.630 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.27 min
 Lab File: BF117218.D
 Acq: 24 Sep 2019 16:27

Tgt Ion	82	Resp	236150
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#

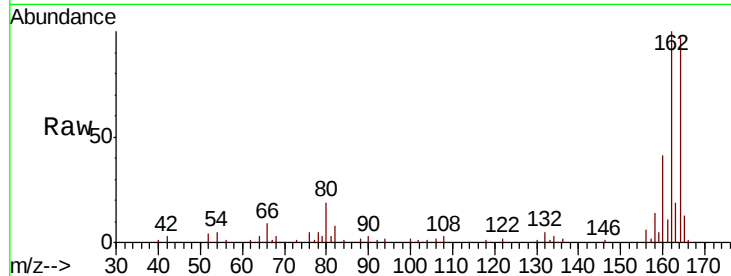




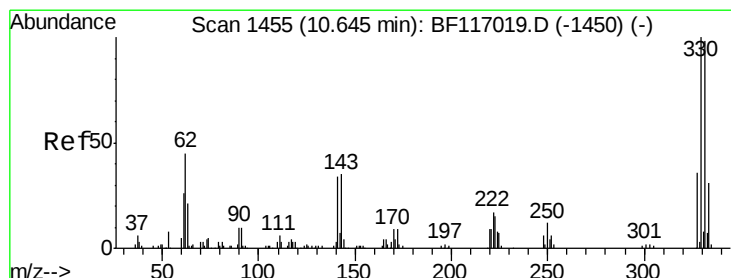
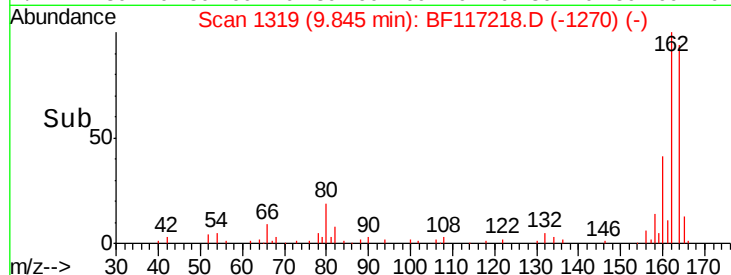
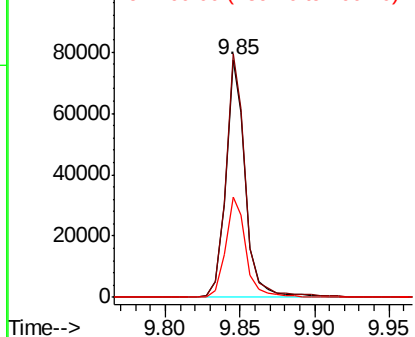
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF117218.D
Acq: 24 Sep 2019 16:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 71634
Ion Ratio Lower Upper
164 100
162 102.6 83.4 125.2
160 42.2 36.4 54.6

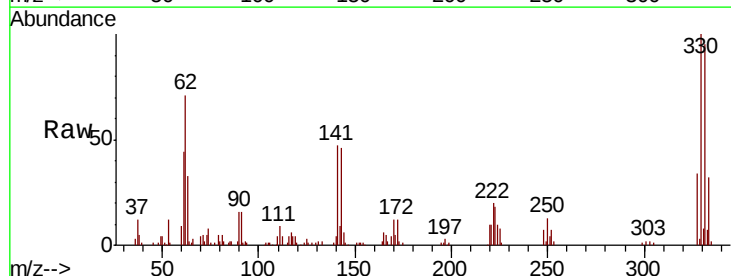


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

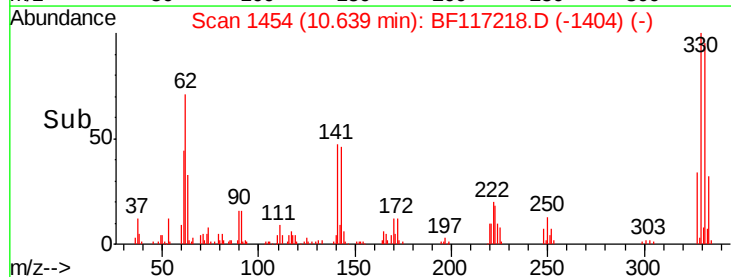
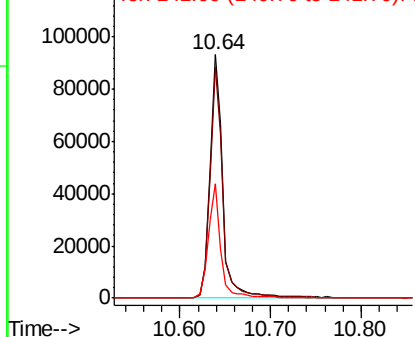


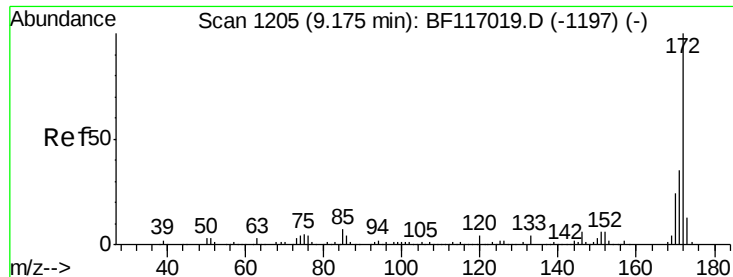
#42
2,4,6-Tribromophenol
Concen: 155.877 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF117218.D
Acq: 24 Sep 2019 16:27

Tgt Ion:330 Resp: 93323
Ion Ratio Lower Upper
330 100
332 95.3 78.0 117.0
141 45.5 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

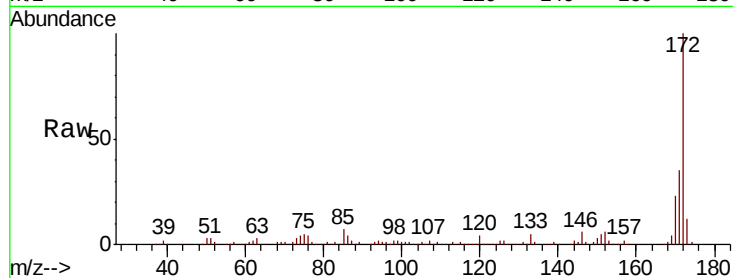




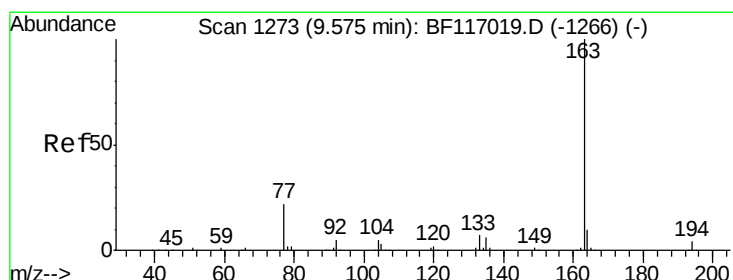
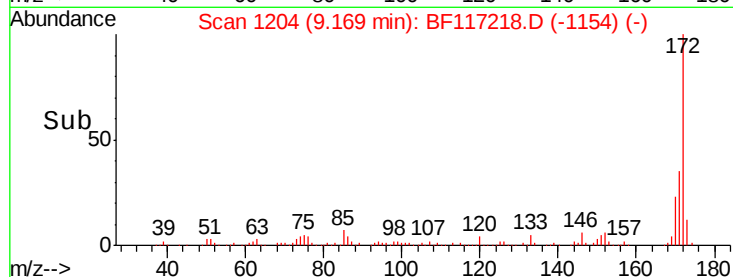
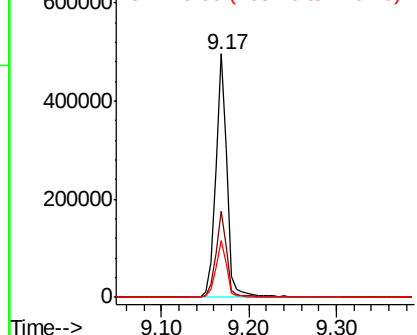
#45
2-Fluorobiphenyl
Concen: 96.914 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF117218.D
Acq: 24 Sep 2019 16:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 444002
Ion Ratio Lower Upper
172 100
171 35.5 28.2 42.2
170 23.3 18.9 28.3

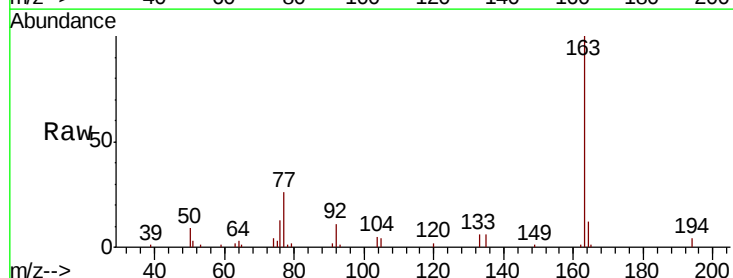


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

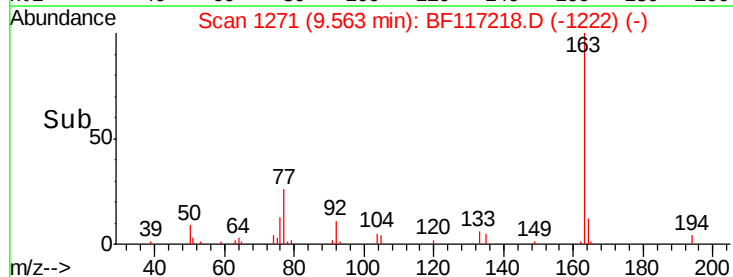
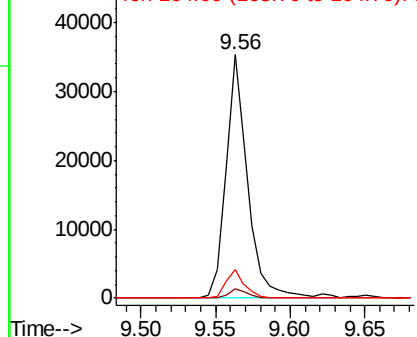


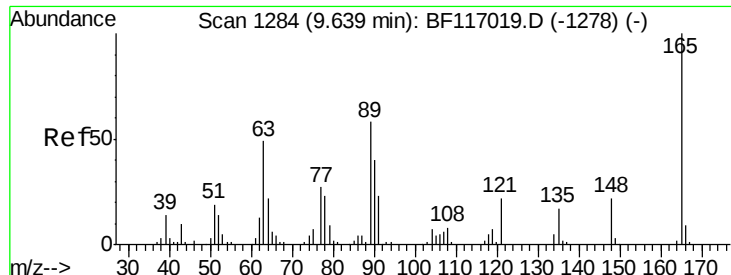
#50
Dimethylphthalate
Concen: 7.177 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF117218.D
Acq: 24 Sep 2019 16:27

Tgt Ion:163 Resp: 36401
Ion Ratio Lower Upper
163 100
194 4.0 2.9 4.3
164 11.8 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: 8.518 ng

RT: 9.85 min Scan# 1319

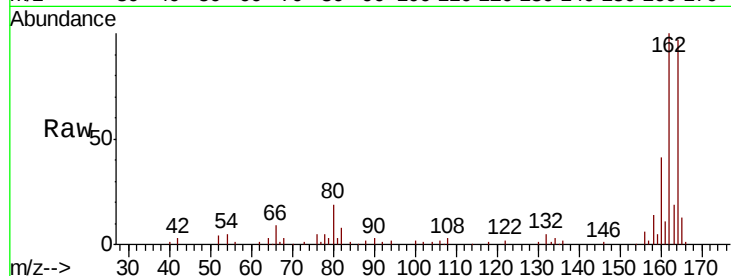
Delta R.T. 0.21 min

Lab File: BF117218.D

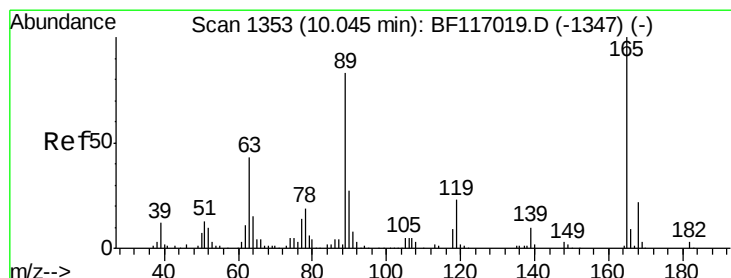
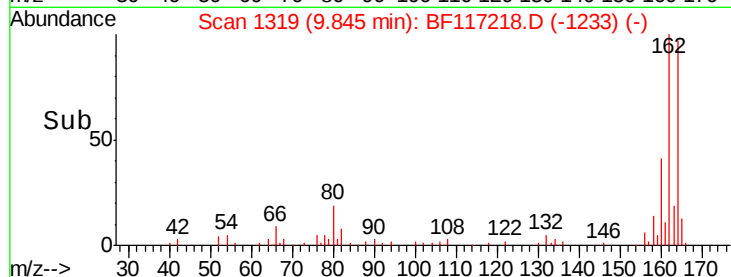
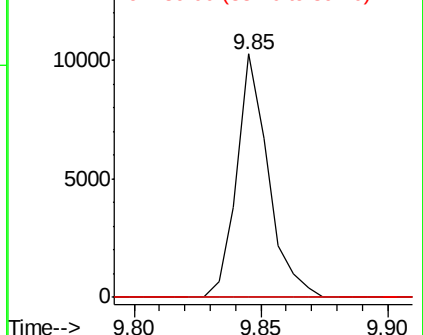
Acq: 24 Sep 2019 16:27

Instrument :
BNA_F
ClientSampled :

Tot Ion:	165	Resp:	8799
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: 6.562 ng

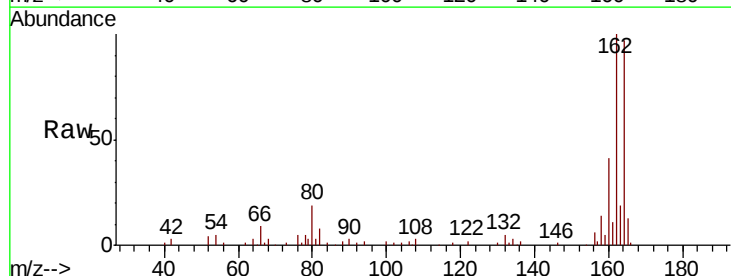
RT: 9.85 min Scan# 1319

Delta R.T. -0.20 min

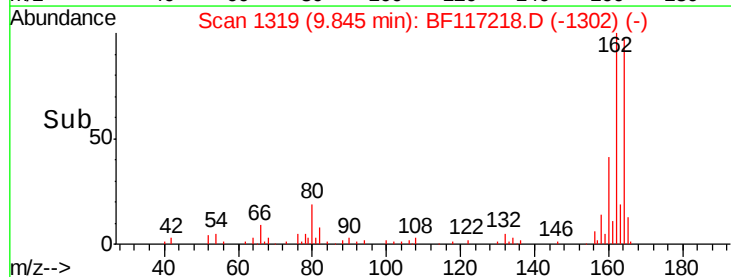
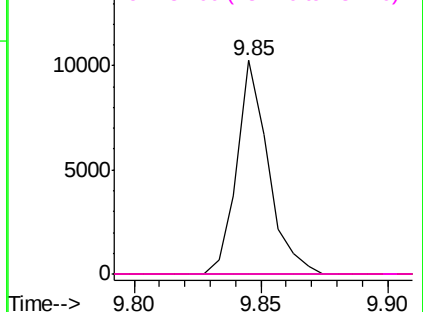
Lab File: BF117218.D

Acq: 24 Sep 2019 16:27

Tgt Ion:	165	Resp:	8799
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: BF117218.D

Acq: 24 Sep 2019 16:27

Instrument :

BNA_F

ClientSampleId :

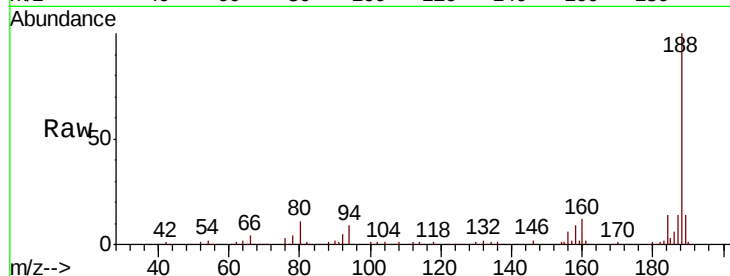
Tot Ion:188 Resp: 116262

Ion Ratio Lower Upper

188 100

94 9.1 8.2 12.2

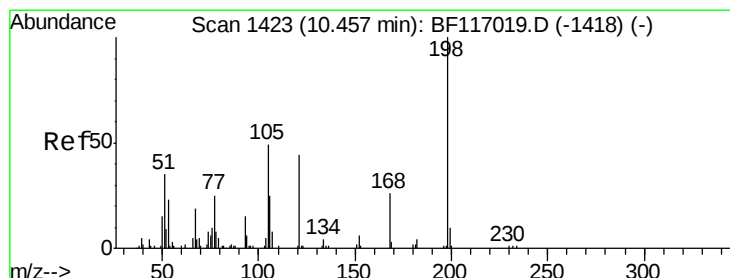
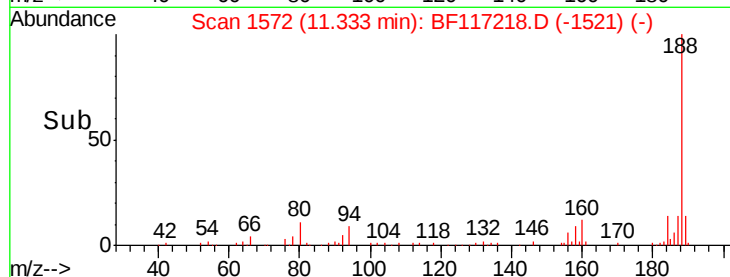
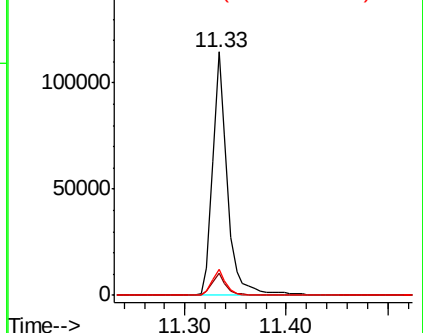
80 10.6 9.0 13.6



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



#65

4,6-Dinitro-2-methylphenol

Concen: 7.074 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.18 min

Lab File: BF117218.D

Acq: 24 Sep 2019 16:27

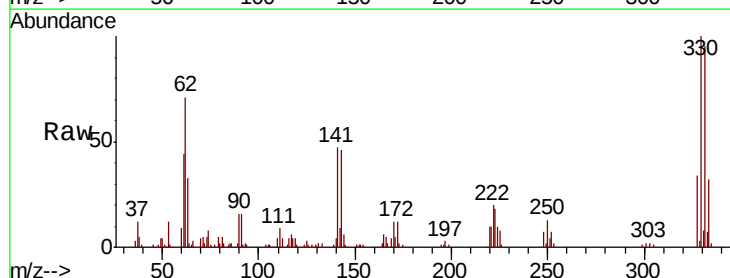
Tgt Ion:198 Resp: 106

Ion Ratio Lower Upper

198 100

51 186.4 18.7 58.7#

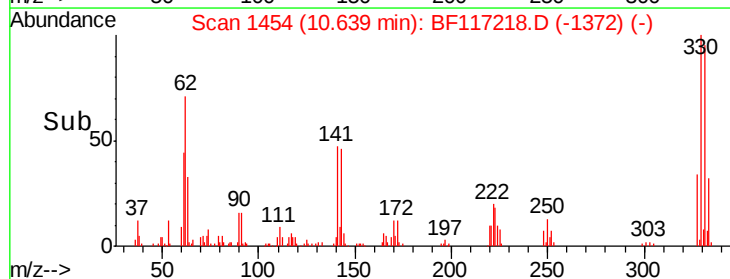
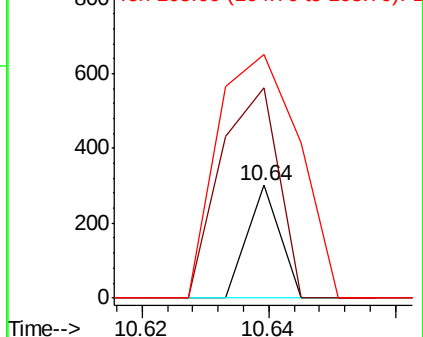
105 216.3 30.2 70.2#



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

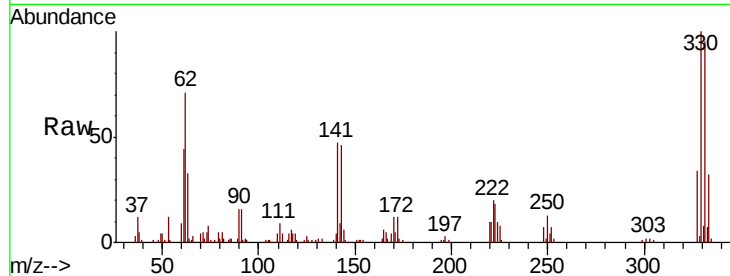




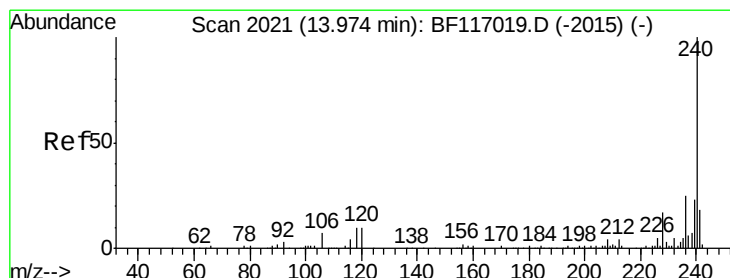
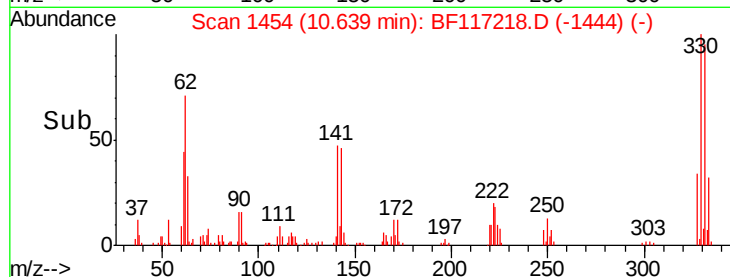
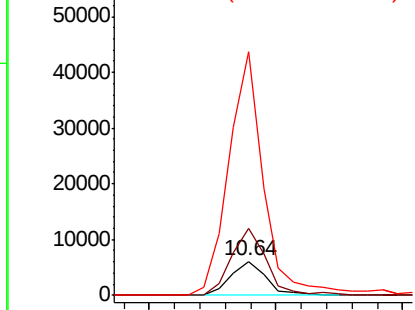
#67
 4-Bromophenyl-phenylether
 Concen: 4.930 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF117218.D
 Acq: 24 Sep 2019 16:27

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 5853
 Ion Ratio Lower Upper
 248 100
 250 195.5 76.2 114.4#
 141 711.5 75.0 112.4#

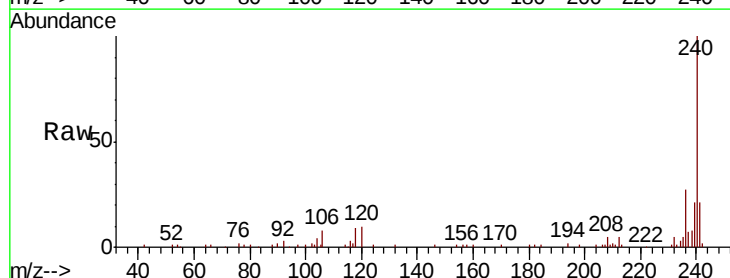


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

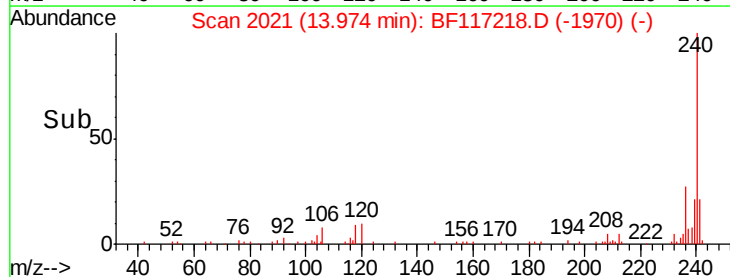
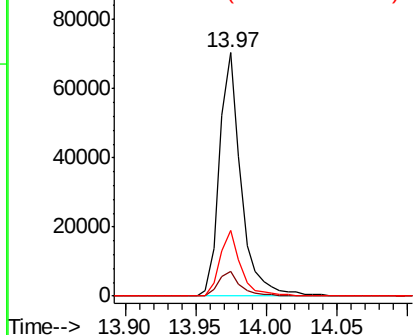


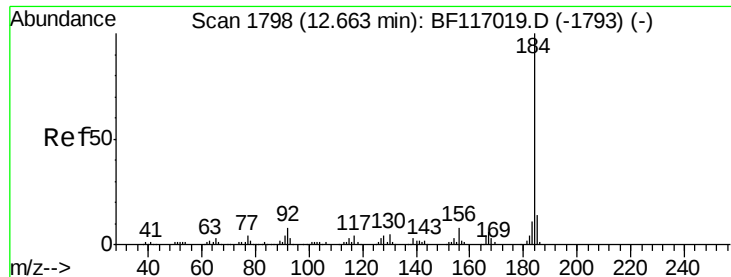
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. 0.00 min
 Lab File: BF117218.D
 Acq: 24 Sep 2019 16:27

Tgt Ion:240 Resp: 75044
 Ion Ratio Lower Upper
 240 100
 120 10.3 8.3 12.5
 236 27.2 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: 3.028 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.26 min

Lab File: BF117218.D

Acq: 24 Sep 2019 16:27

Instrument :

BNA_F

ClientSampled :

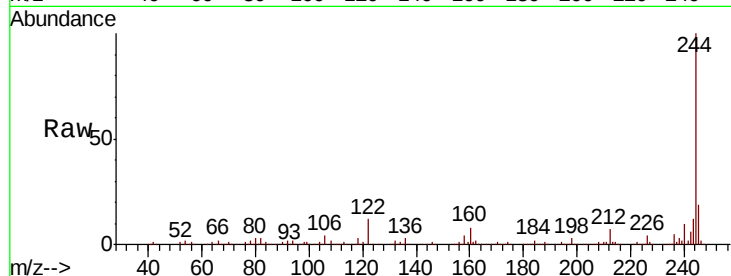
Tot Ion:184 Resp: 7319

Ion Ratio Lower Upper

184 100

185 12.1 11.6 17.4

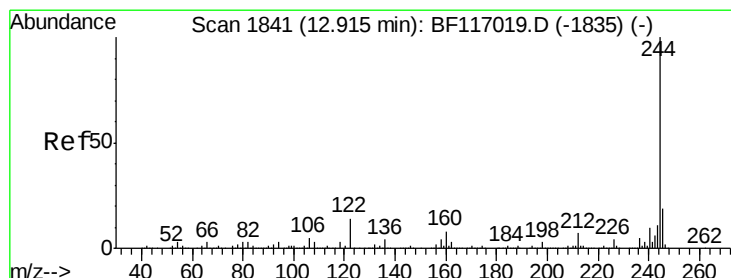
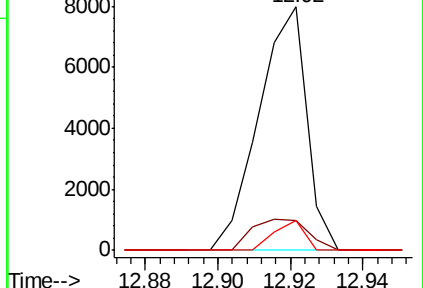
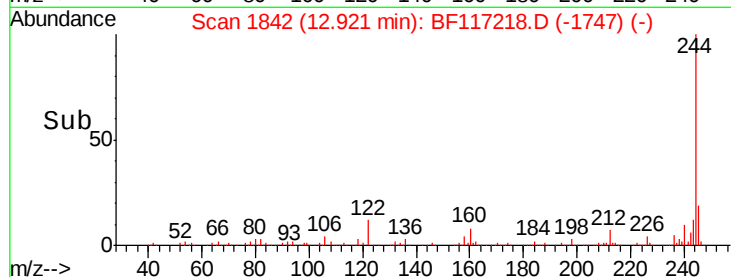
183 12.1 9.0 13.4



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: 122.128 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.01 min

Lab File: BF117218.D

Acq: 24 Sep 2019 16:27

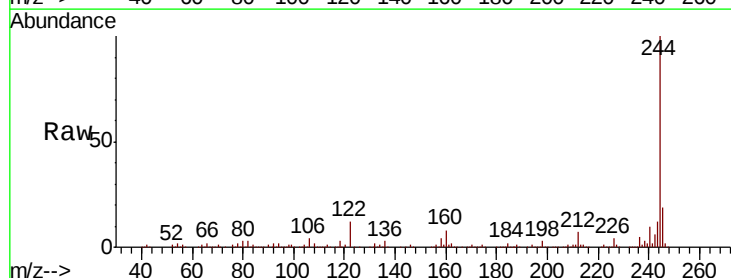
Tgt Ion:244 Resp: 490310

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

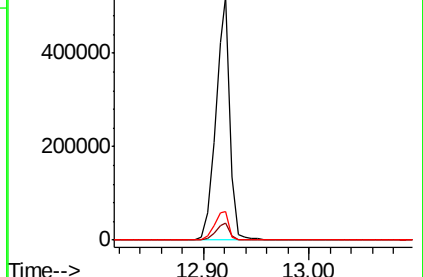
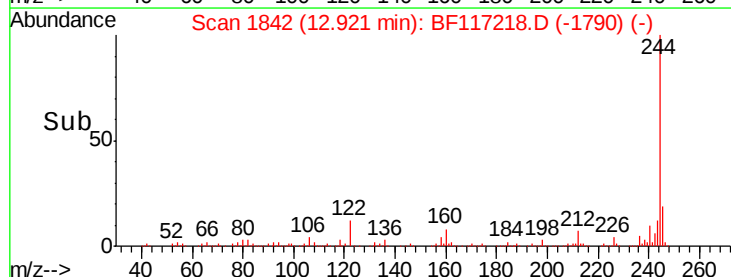
122 12.0 11.3 16.9

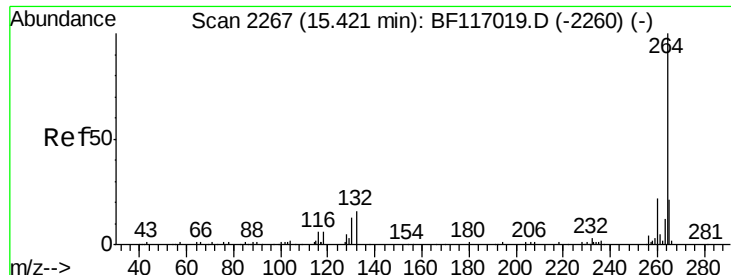


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

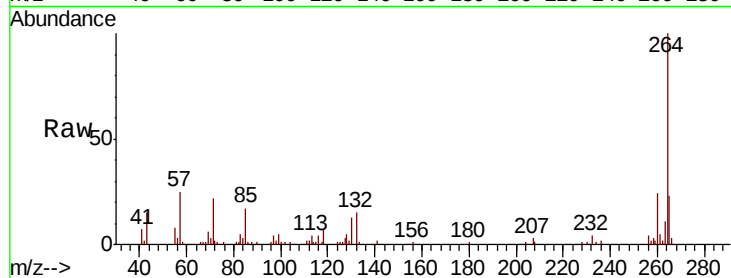




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2268
 Delta R.T. 0.01 min
 Lab File: BF117218.D
 Acq: 24 Sep 2019 16:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:264 Resp: 60871
 Ion Ratio Lower Upper
 264 100
 260 24.2 17.6 26.4
 265 22.7 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

