

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092419\
 Data File : BF117232.D
 Acq On : 24 Sep 2019 22:47
 Operator : JU
 Sample : K5010-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 25 02:40:47 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

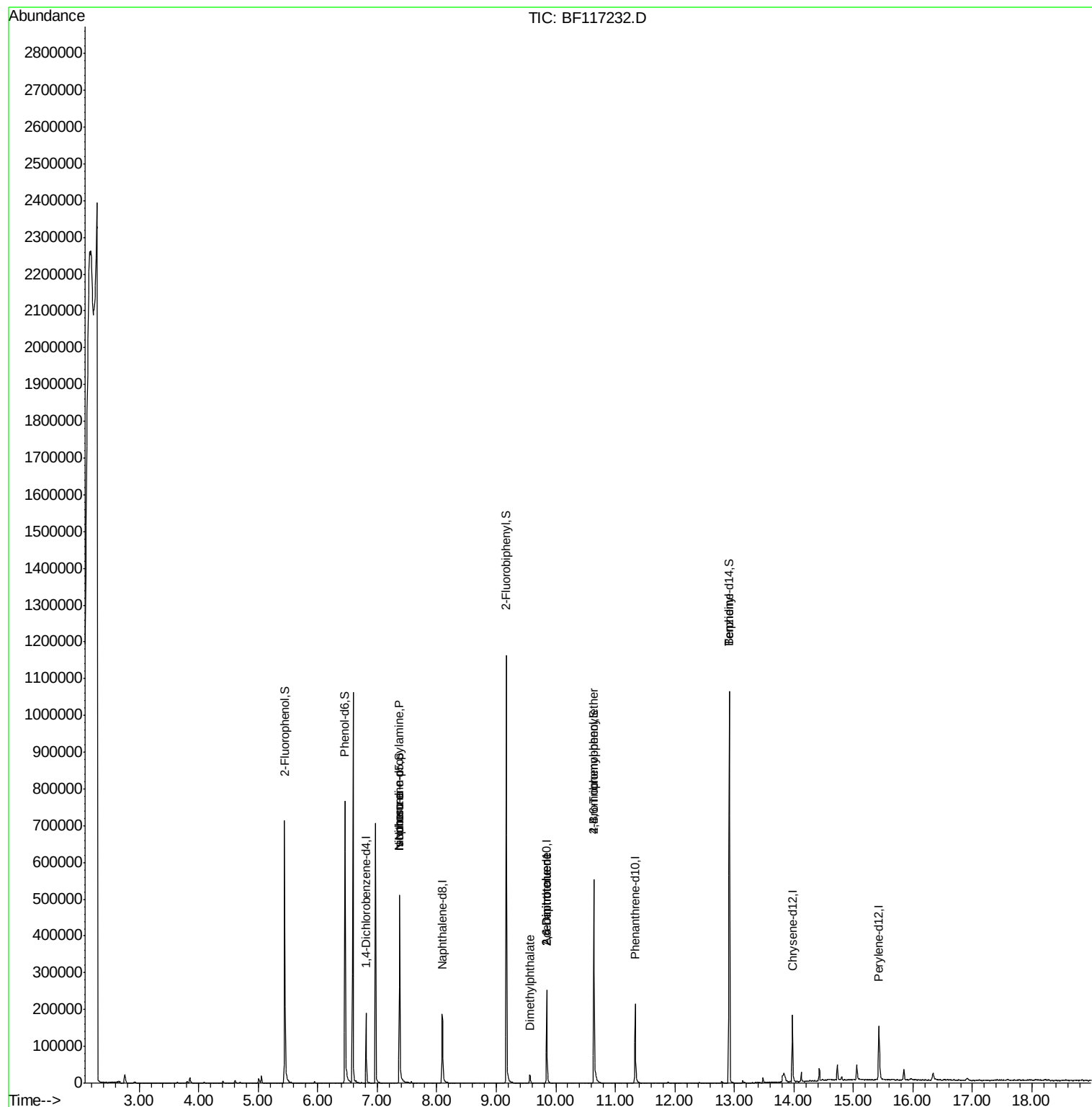
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	28469	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	112167	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	58076	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	91920	20.00	ng	0.00
76) Chrysene-d12	13.97	240	67184	20.00	ng	0.00
87) Perylene-d12	15.43	264	61999	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	230605	126.46	ng	0.01
7) Phenol-d6	6.46	99	303167	128.65	ng	0.00
23) Nitrobenzene-d5	7.37	82	195160	91.42	ng	-0.01
42) 2,4,6-Tribromophenol	10.64	330	65854	135.67	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	353780	95.25	ng	0.00
79) Terphenyl-d14	12.92	244	334102	92.96	ng	0.00
Target Compounds						
9) Benzaldehyde	6.46	77	358	Below Cal		Qvalue # 1
19) n-Nitroso-di-n-propylamine	7.37	70	26793	18.671	ng	# 83
25) Isophorone	7.37	82	195158	51.632	ng	# 66
50) Dimethylphthalate	9.56	163	13297	3.234	ng	99
51) 2,6-Dinitrotoluene	9.85	165	7458	8.905	ng	# 24
57) 2,4-Dinitrotoluene	9.85	165	7458	6.860	ng	# 18
67) 4-Bromophenyl-phenylether	10.64	248	4290	4.570	ng	# 1
77) Benzidine	12.92	184	5178	2.393	ng	96

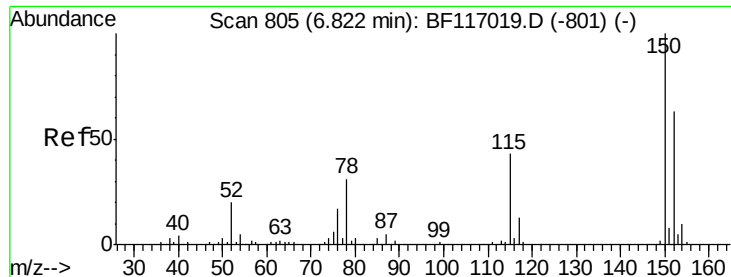
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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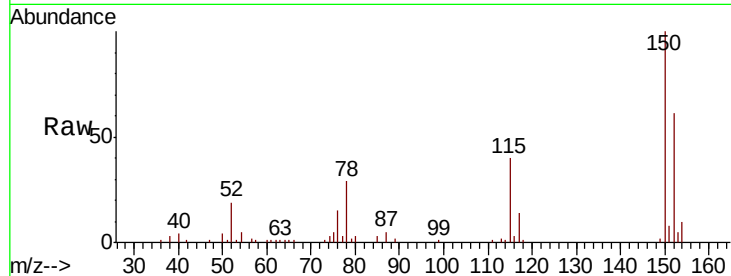


#1

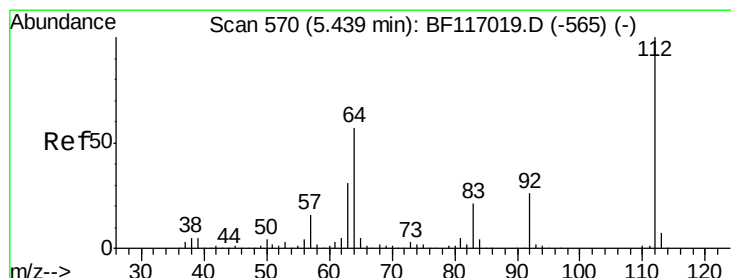
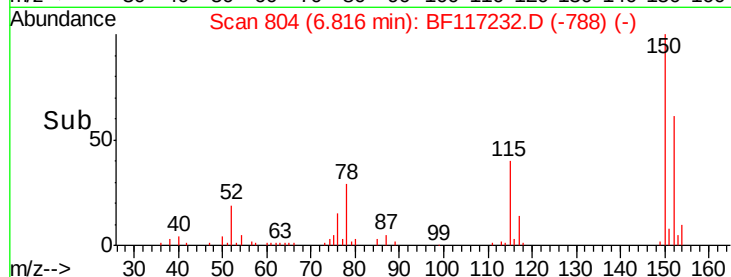
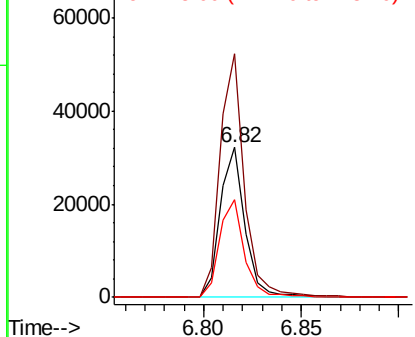
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.01 min
Lab File: BF117232.D
Acq: 24 Sep 2019 22:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 28469
Ion Ratio Lower Upper
152 100
150 162.6 127.5 191.3
115 65.5 55.0 82.4



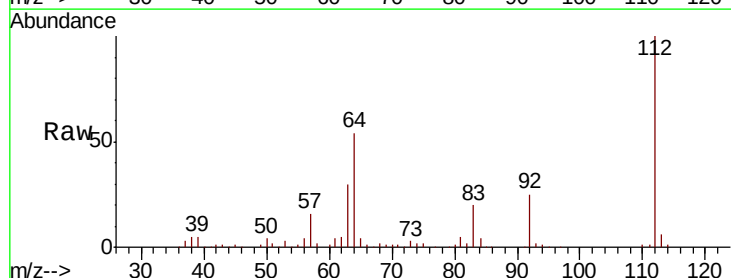
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



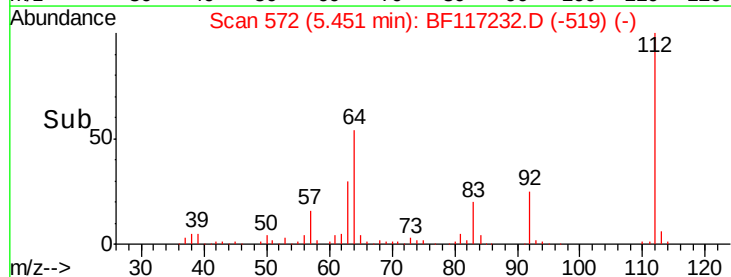
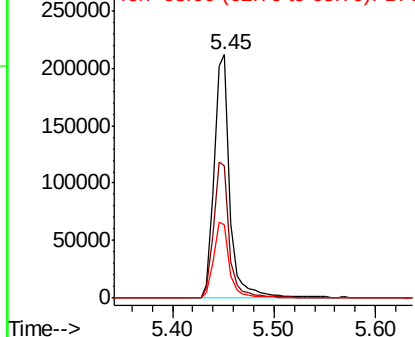
#5

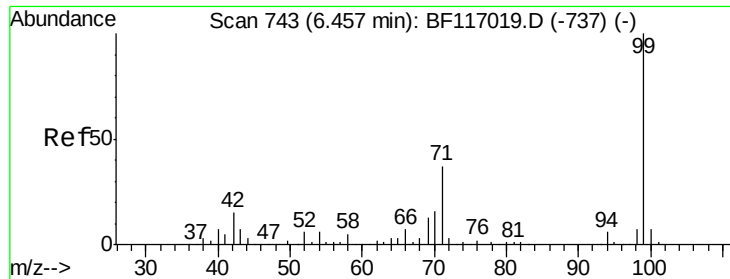
2-Fluorophenol
Concen: 126.464 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.01 min
Lab File: BF117232.D
Acq: 24 Sep 2019 22:47

Tgt Ion:112 Resp: 230605
Ion Ratio Lower Upper
112 100
64 54.2 45.7 68.5
63 30.1 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: 128.646 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF117232.D

Acq: 24 Sep 2019 22:47

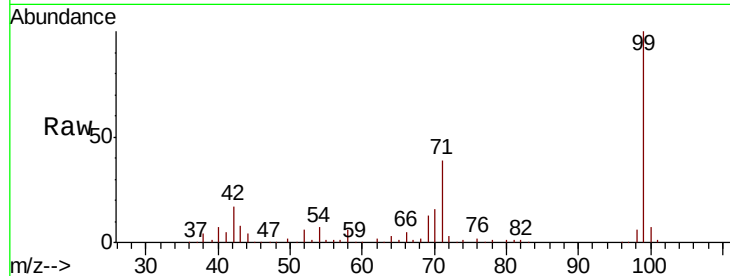
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 303167

Ion	Ratio	Lower	Upper
99	100		
42	16.8	12.2	18.2
71	39.2	29.8	44.8

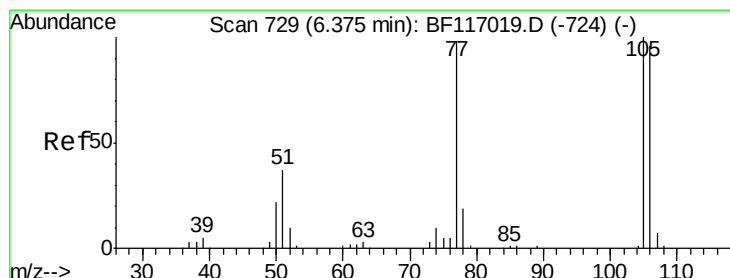
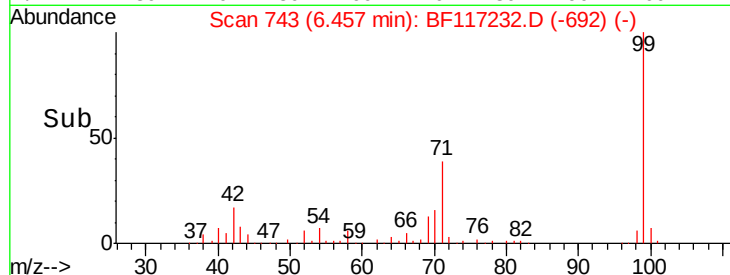
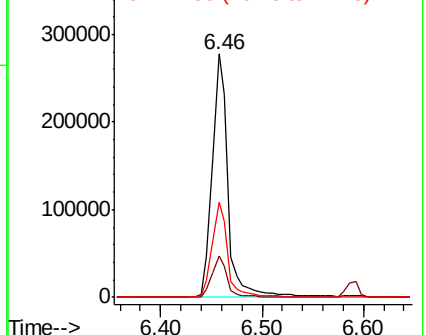


Abundance

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

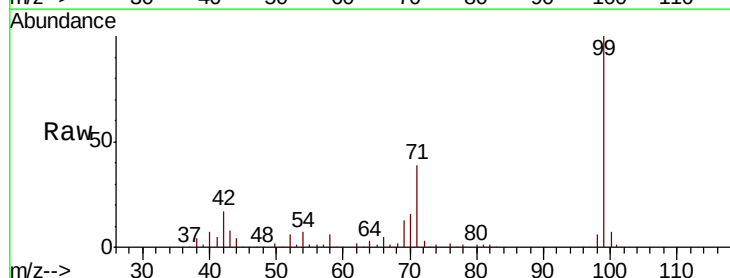
Delta R.T. 0.08 min

Lab File: BF117232.D

Acq: 24 Sep 2019 22:47

Tgt Ion: 77 Resp: 358

Ion	Ratio	Lower	Upper
77	100		
105	0.0	81.8	121.8#
106	0.0	77.3	117.3#

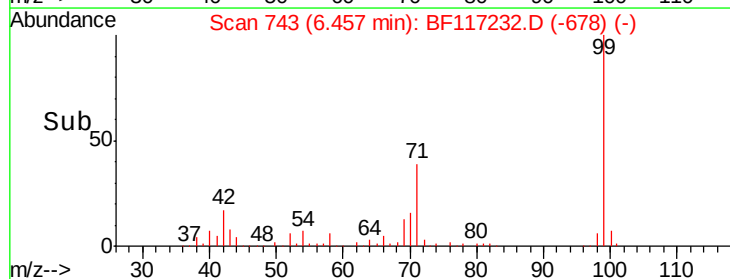
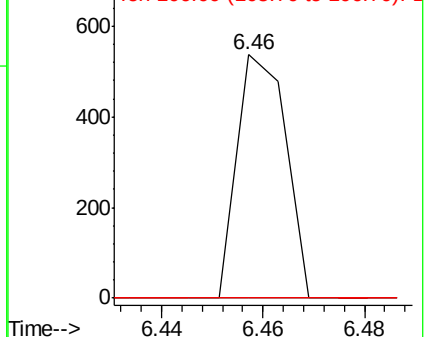


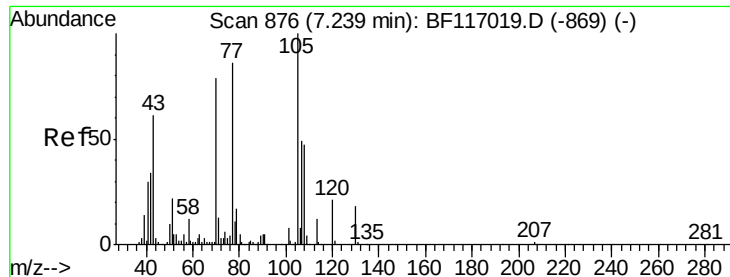
Abundance

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

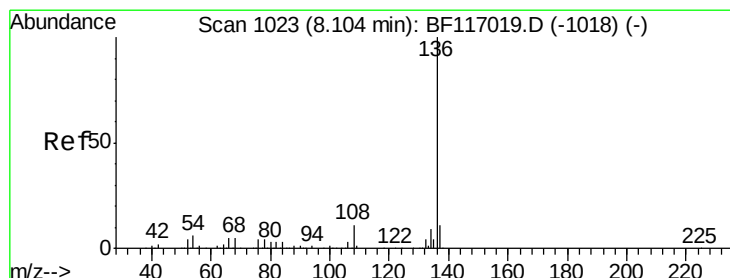
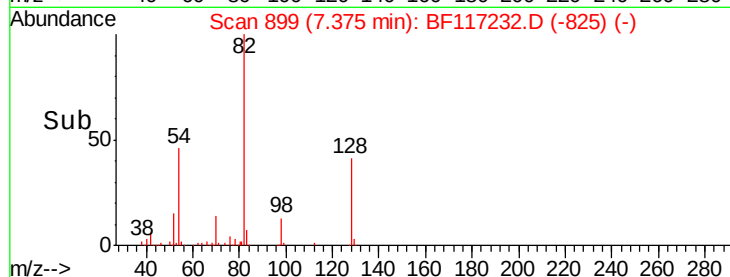
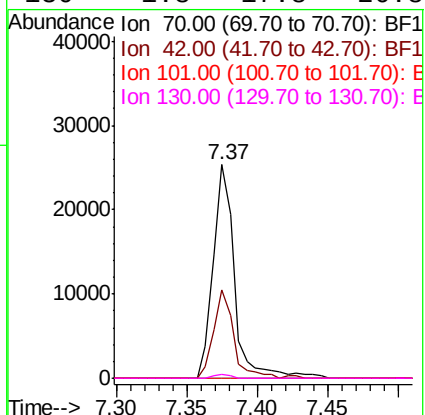
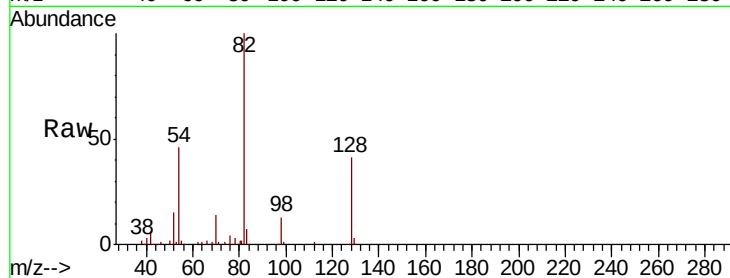




#19
n-Nitroso-di-n-propylamine
Concen: 18.671 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.14 min
Lab File: BF117232.D
Acq: 24 Sep 2019 22:47

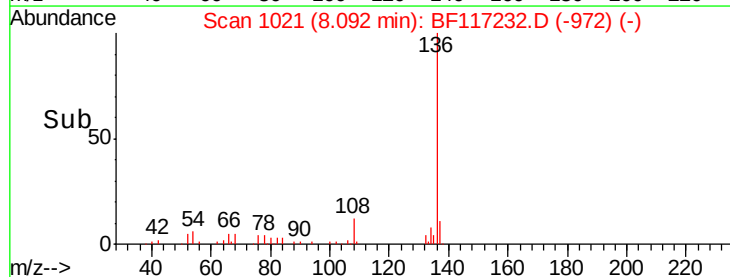
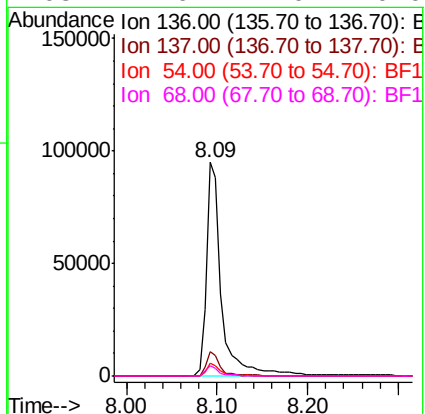
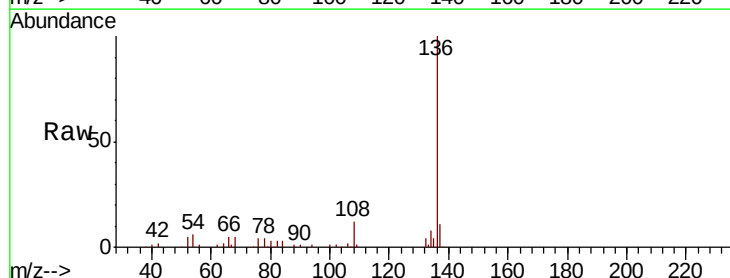
Instrument :
BNA_F
ClientSampleId :

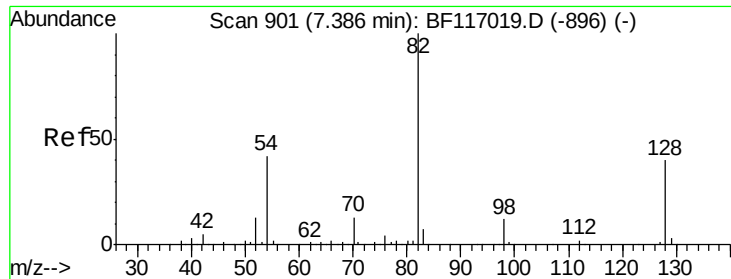
Tot Ion	Ratio	Lower	Upper
70	100		
42	41.4	34.0	51.0
101	0.0	7.8	11.6#
130	1.8	17.8	26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF117232.D
Acq: 24 Sep 2019 22:47

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	5.9	4.5	6.7
68	4.6	4.0	6.0

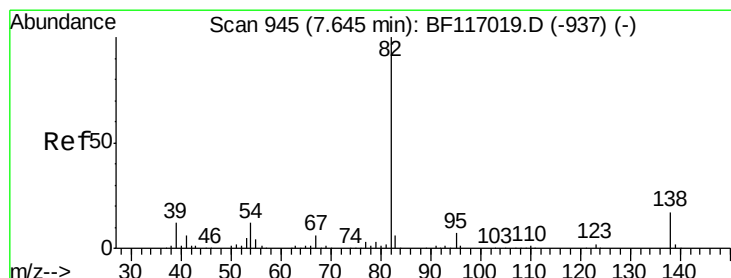
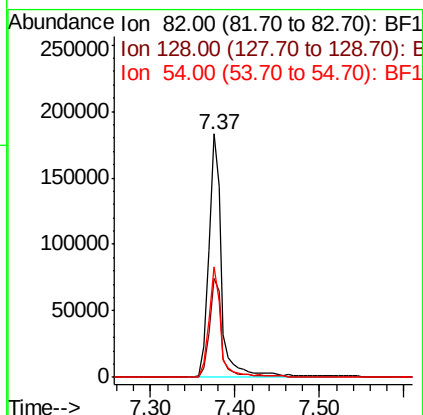
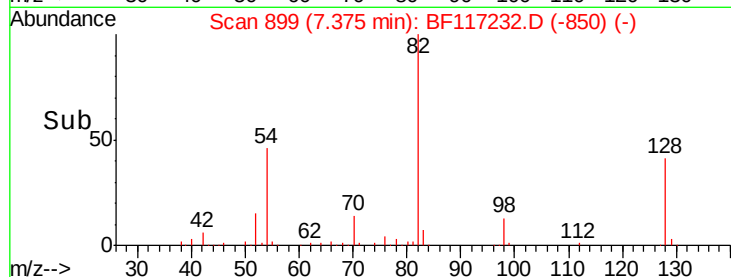
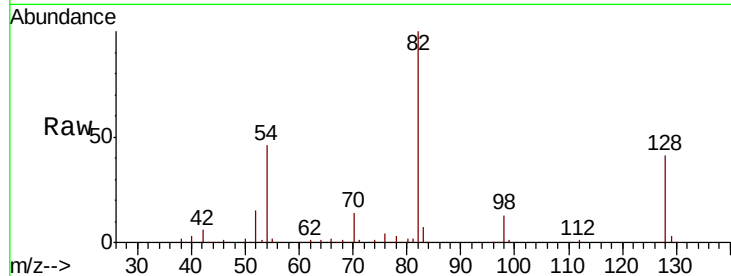




#23
 Nitrobenzene-d5
 Concen: 91.419 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: BF117232.D
 Acq: 24 Sep 2019 22:47

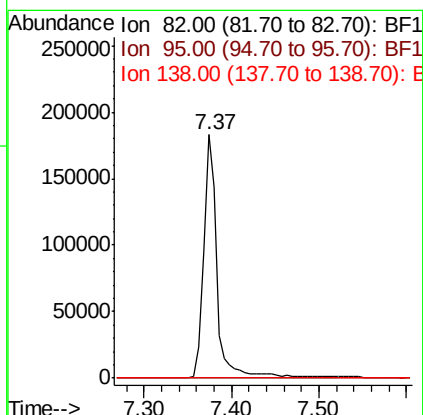
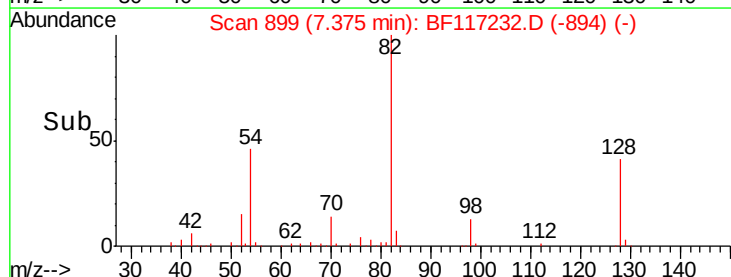
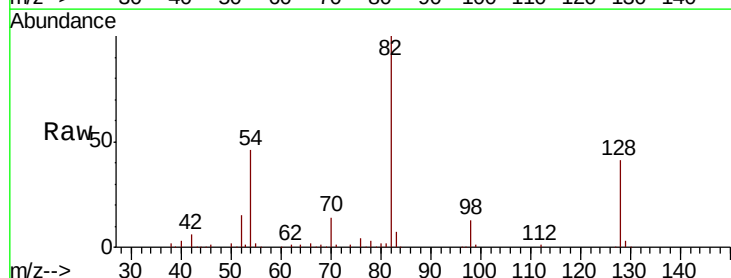
Instrument :
 BNA_F
 ClientSampleID :

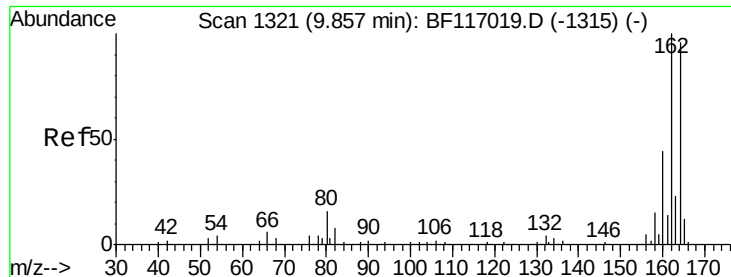
Tot Ion	82	Resp	195160
Ion Ratio	Lower	Upper	
82	100		
128	40.5	32.3	48.5
54	45.6	33.3	49.9



#25
 Isophorone
 Concen: 51.632 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.27 min
 Lab File: BF117232.D
 Acq: 24 Sep 2019 22:47

Tgt Ion	82	Resp	195158
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#

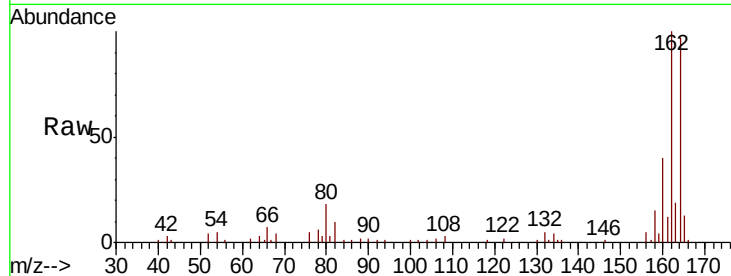




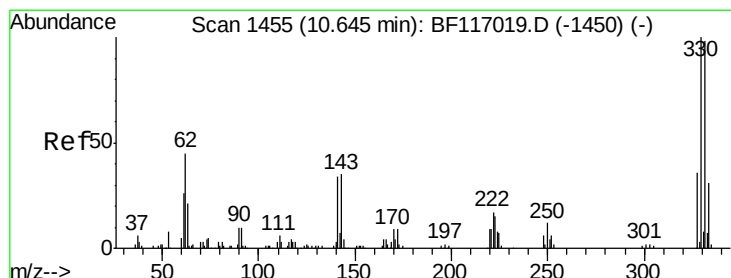
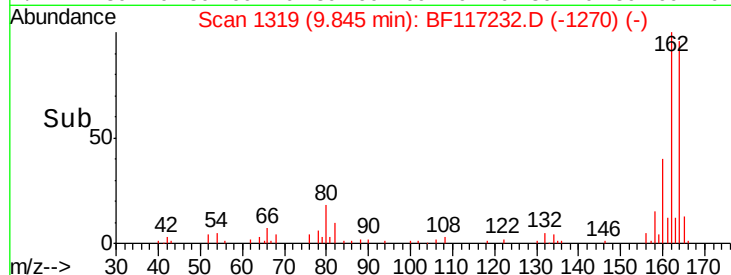
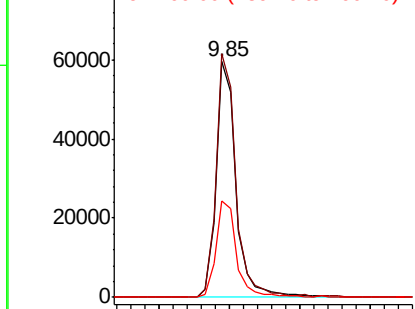
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF117232.D
Acq: 24 Sep 2019 22:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 58076
Ion Ratio Lower Upper
164 100
162 103.4 83.4 125.2
160 41.0 36.4 54.6

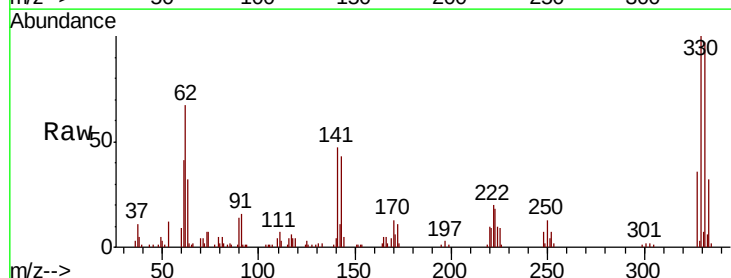


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

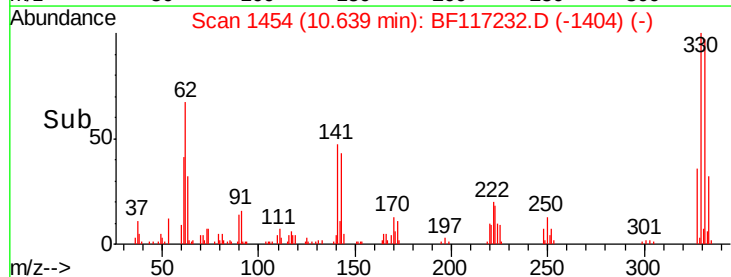
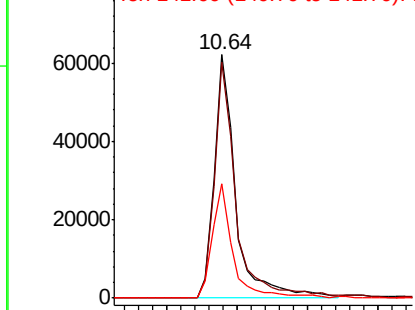


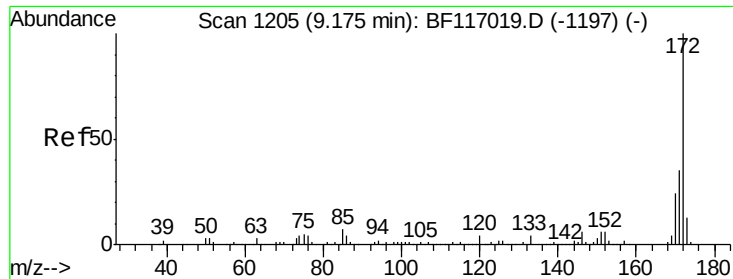
#42
2,4,6-Tribromophenol
Concen: 135.674 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF117232.D
Acq: 24 Sep 2019 22:47

Tgt Ion:330 Resp: 65854
Ion Ratio Lower Upper
330 100
332 98.4 78.0 117.0
141 45.0 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

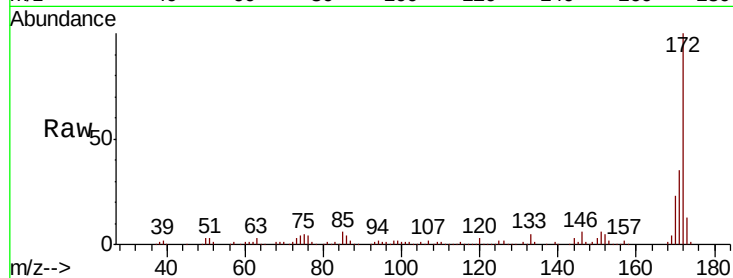




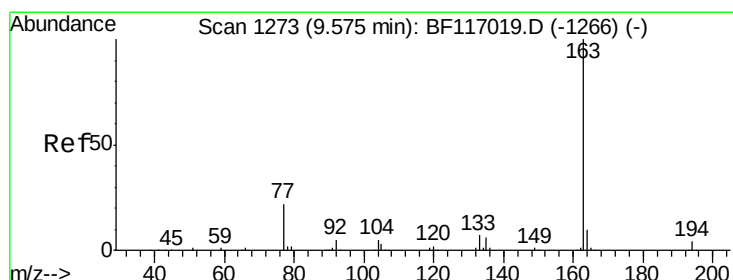
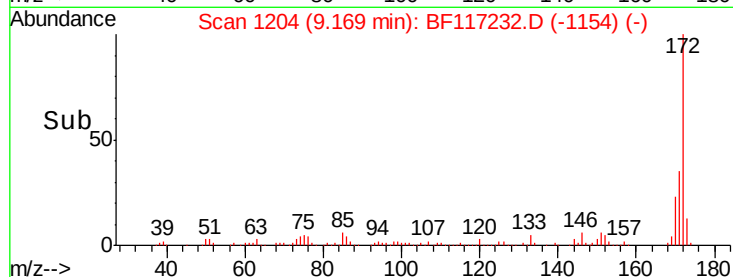
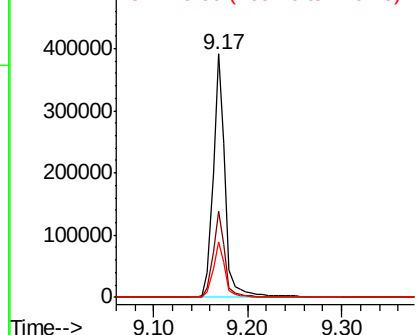
#45
2-Fluorobiphenyl
Concen: 95.248 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF117232.D
Acq: 24 Sep 2019 22:47

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 353780
Ion Ratio Lower Upper
172 100
171 35.3 28.2 42.2
170 23.0 18.9 28.3

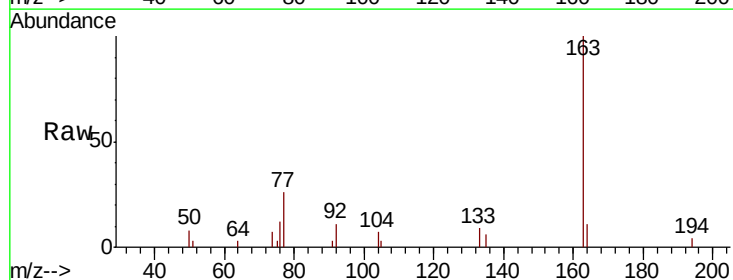


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

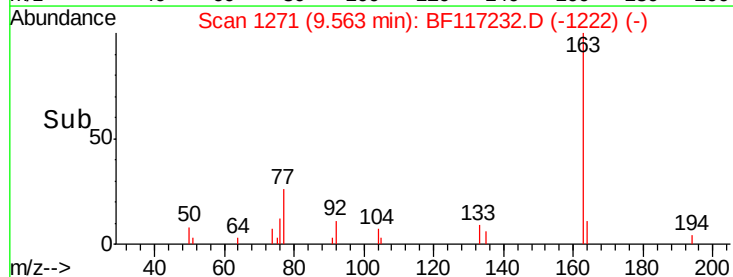
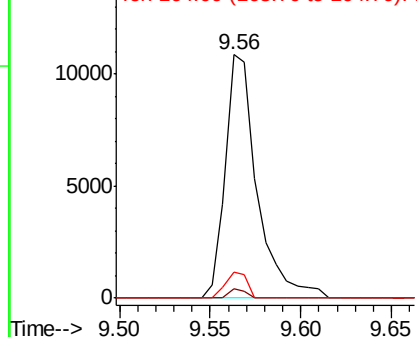


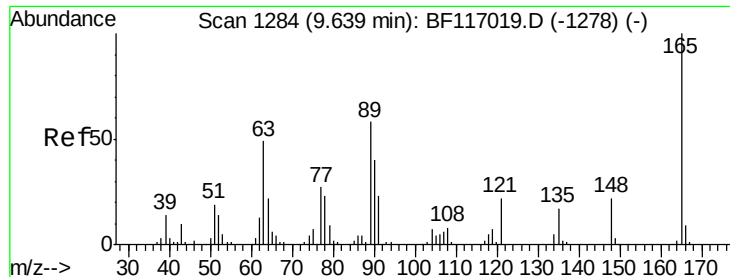
#50
Dimethylphthalate
Concen: 3.234 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF117232.D
Acq: 24 Sep 2019 22:47

Tgt Ion:163 Resp: 13297
Ion Ratio Lower Upper
163 100
194 3.7 2.9 4.3
164 10.5 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

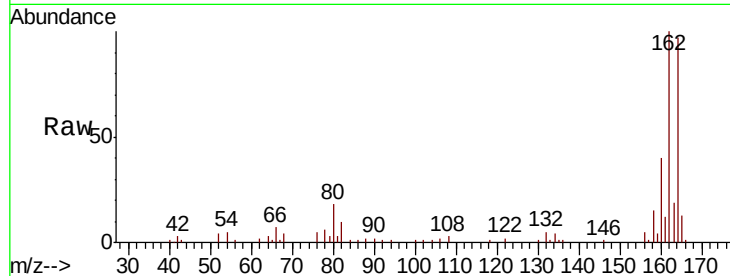




#51
 2,6-Dinitrotoluene
 Concen: 8.905 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.21 min
 Lab File: BF117232.D
 Acq: 24 Sep 2019 22:47

Instrument :
 BNA_F
 ClientSampleId :

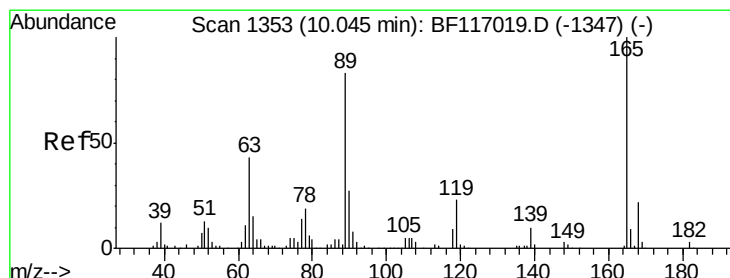
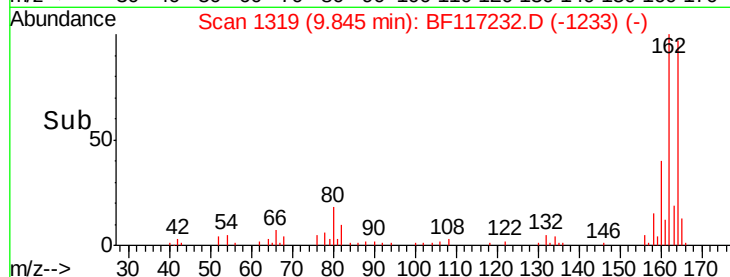
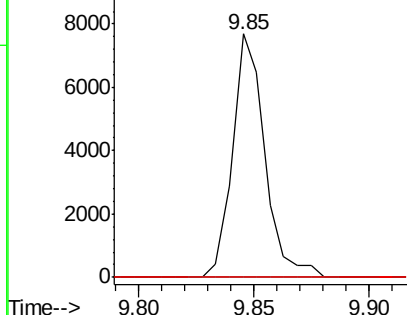
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.8	62.8#
89	0.0	46.5	69.7#



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: 6.860 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.20 min
 Lab File: BF117232.D
 Acq: 24 Sep 2019 22:47

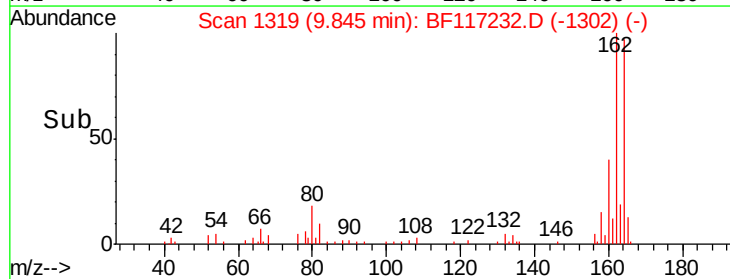
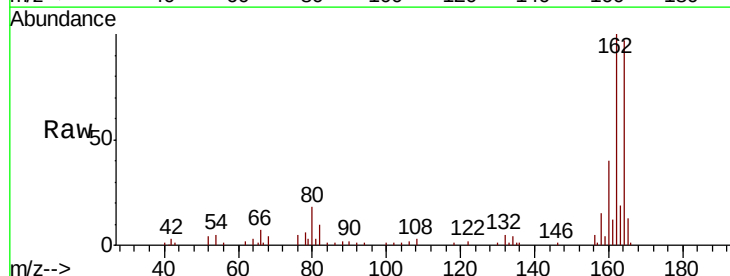
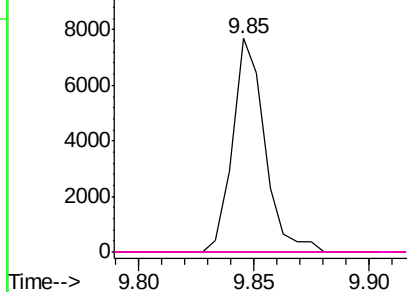
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	35.0	52.4#
89	0.0	66.1	99.1#
182	0.0	2.0	3.0#

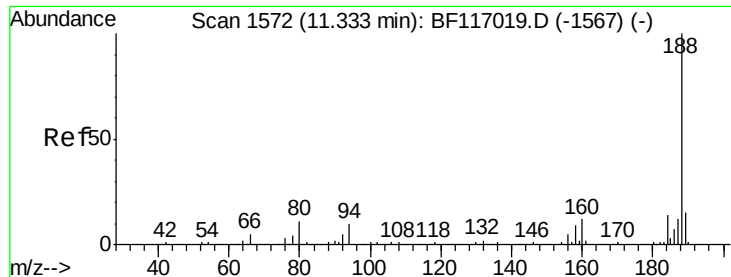
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF117232.D

Acq: 24 Sep 2019 22:47

Instrument :

BNA_F

ClientSampleId :

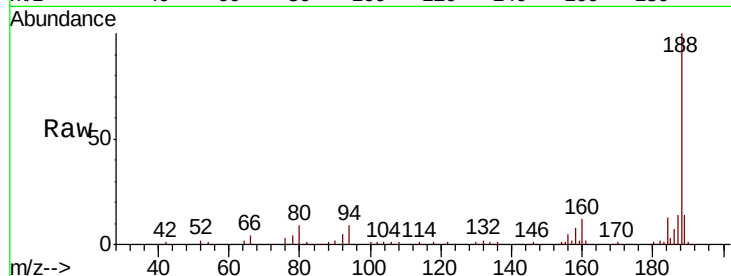
Tot Ion:188 Resp: 91920

Ion Ratio Lower Upper

188 100

94 9.4 8.2 12.2

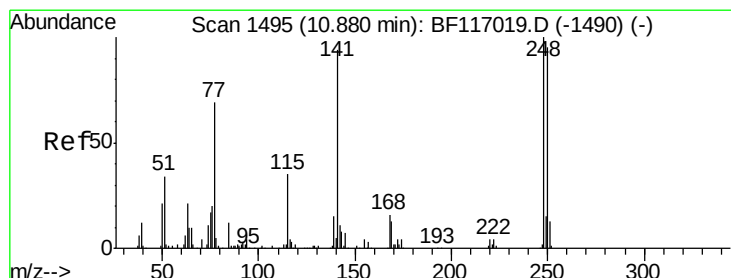
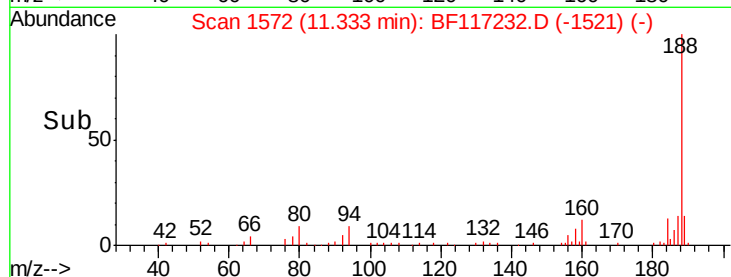
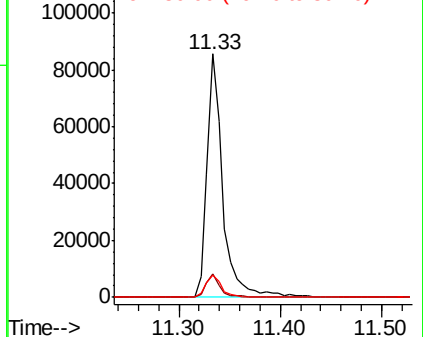
80 9.2 9.0 13.6



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: 4.570 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.24 min

Lab File: BF117232.D

Acq: 24 Sep 2019 22:47

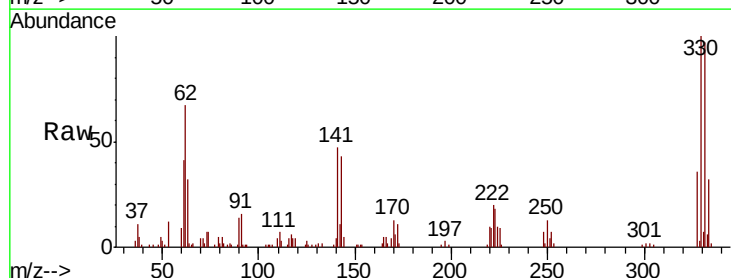
Tgt Ion:248 Resp: 4290

Ion Ratio Lower Upper

248 100

250 173.0 76.2 114.4#

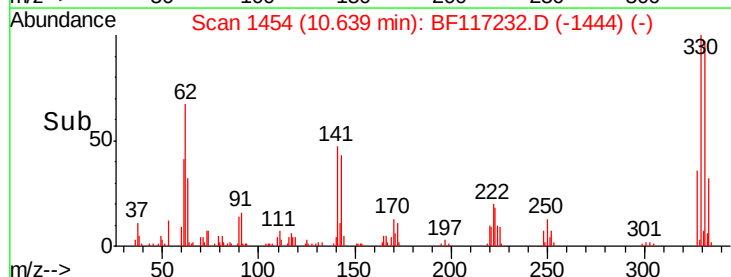
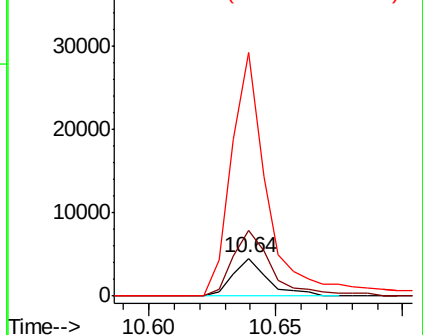
141 644.5 75.0 112.4#

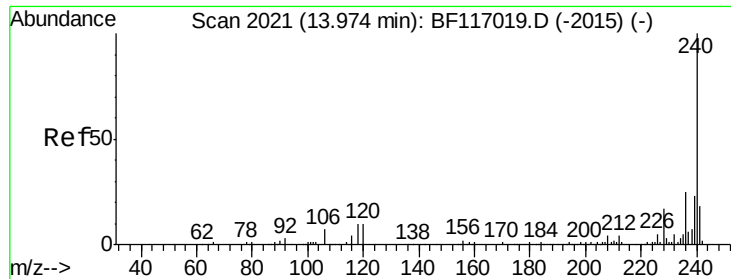


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

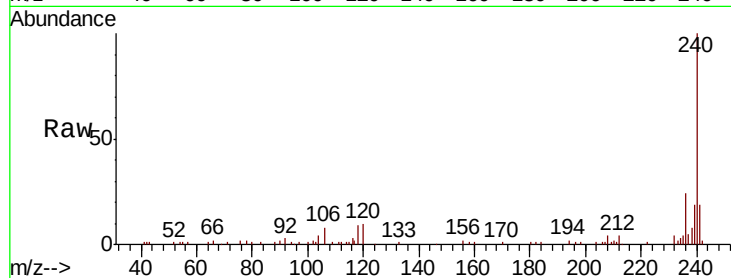




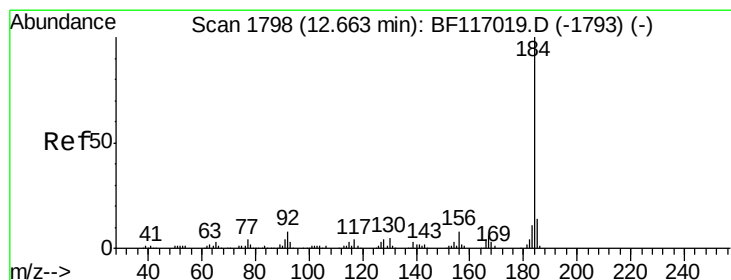
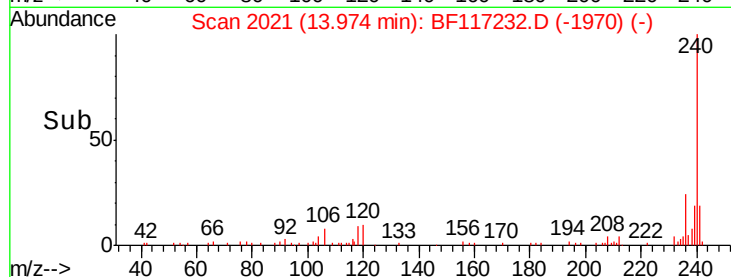
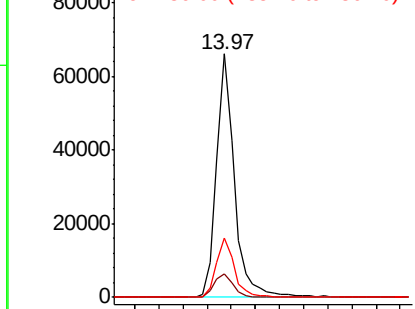
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BF117232.D
Acq: 24 Sep 2019 22:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 67184
Ion Ratio Lower Upper
240 100
120 9.7 8.3 12.5
236 24.1 20.3 30.5

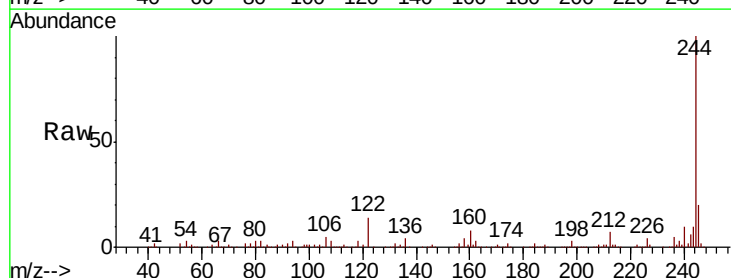


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

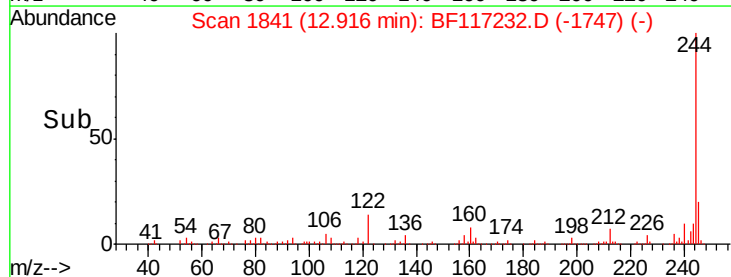
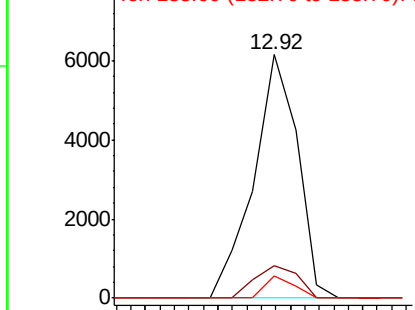


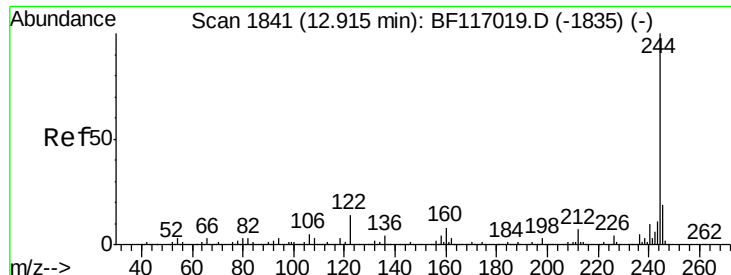
#77
Benzidine
Concen: 2.393 ng
RT: 12.92 min Scan# 1841
Delta R.T. 0.25 min
Lab File: BF117232.D
Acq: 24 Sep 2019 22:47

Tgt Ion:184 Resp: 5178
Ion Ratio Lower Upper
184 100
185 13.3 11.6 17.4
183 9.1 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

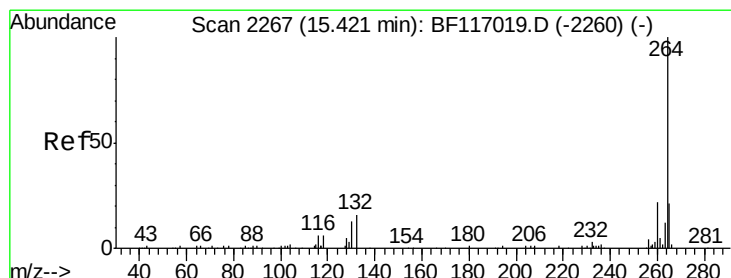
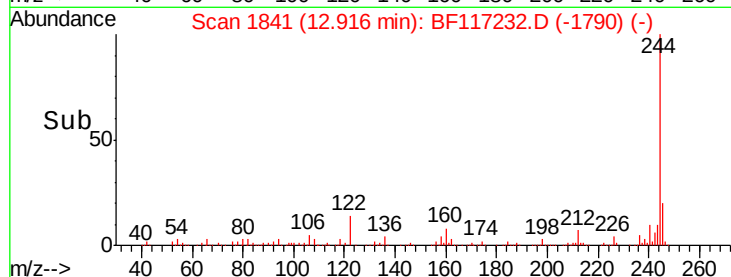
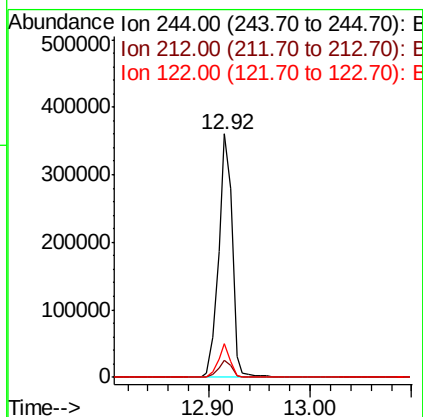
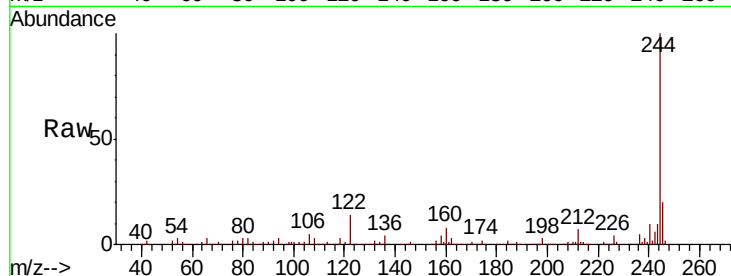




#79
 Terphenyl-d14
 Concen: 92.955 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: BF117232.D
 Acq: 24 Sep 2019 22:47

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 334102
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.8
 122 14.0 11.3 16.9



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2268
 Delta R.T. 0.01 min
 Lab File: BF117232.D
 Acq: 24 Sep 2019 22:47

Tgt Ion:264 Resp: 61999
 Ion Ratio Lower Upper
 264 100
 260 22.1 17.6 26.4
 265 22.1 16.6 24.8

