

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092519\
 Data File : BF117240.D
 Acq On : 25 Sep 2019 15:18
 Operator : JU
 Sample : PB123373BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 26 02:28:24 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

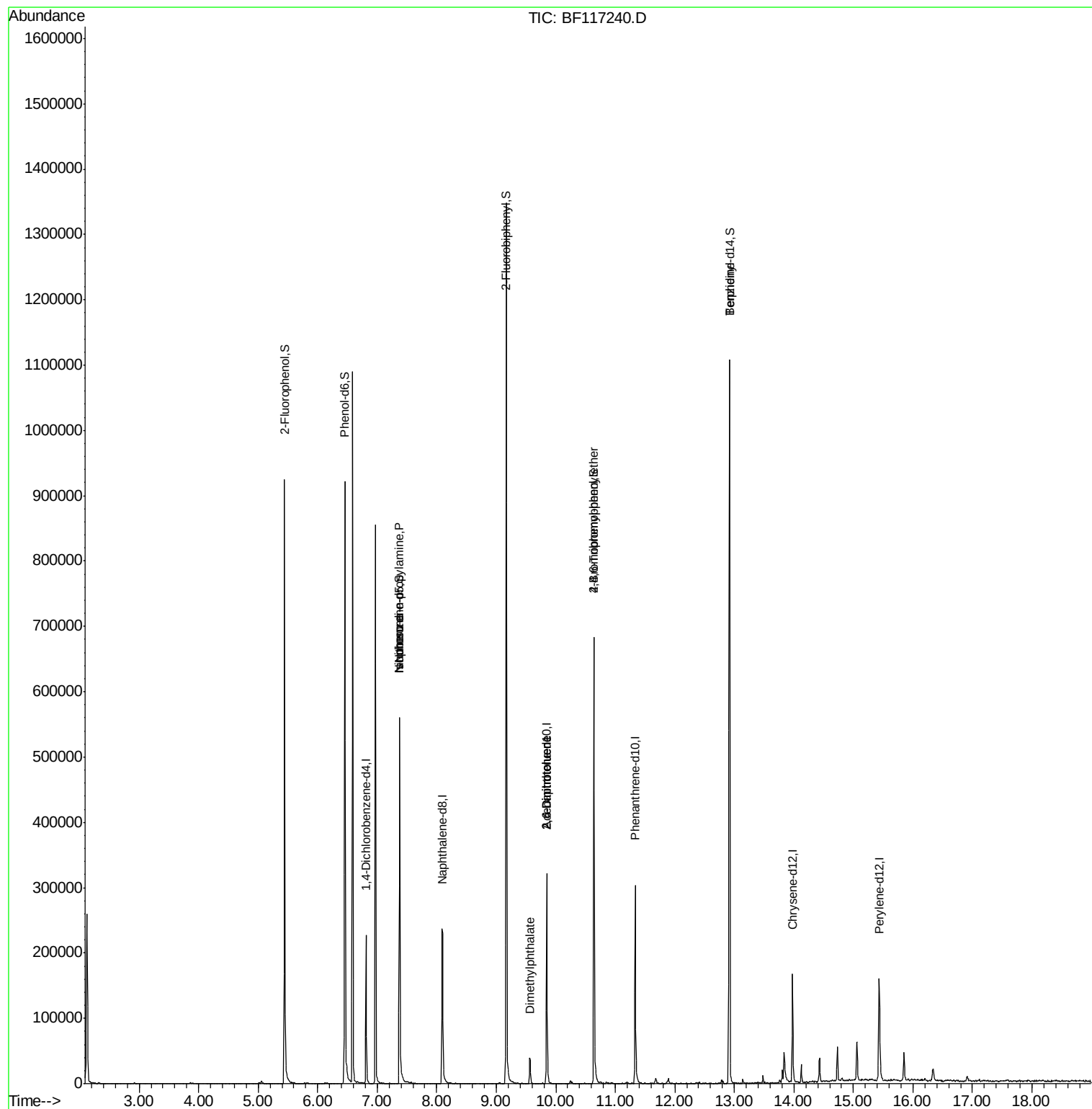
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	36844	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	149966	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	79615	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	123712	20.00	ng	0.00
76) Chrysene-d12	13.97	240	71670	20.00	ng	0.00
87) Perylene-d12	15.43	264	66023	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	259029	109.76	ng	0.00
7) Phenol-d6	6.46	99	359641	117.92	ng	0.00
23) Nitrobenzene-d5	7.37	82	226936	79.51	ng	-0.01
42) 2,4,6-Tribromophenol	10.64	330	81166	121.98	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	437074	85.84	ng	0.00
79) Terphenyl-d14	12.92	244	395272	103.09	ng	0.00
Target Compounds						
9) Benzaldehyde	6.46	77	464	Below Cal		Qvalue # 1
19) n-Nitroso-di-n-propylamine	7.37	70	30161	16.241	ng	# 83
25) Isophorone	7.37	82	226934	44.906	ng	# 66
50) Dimethylphthalate	9.56	163	22029	3.908	ng	97
51) 2,6-Dinitrotoluene	9.85	165	9790	8.527	ng	# 24
57) 2,4-Dinitrotoluene	9.85	165	9790	6.569	ng	# 18
67) 4-Bromophenyl-phenylether	10.64	248	4931	3.903	ng	# 1
77) Benzidine	12.92	184	5878	2.546	ng	# 94

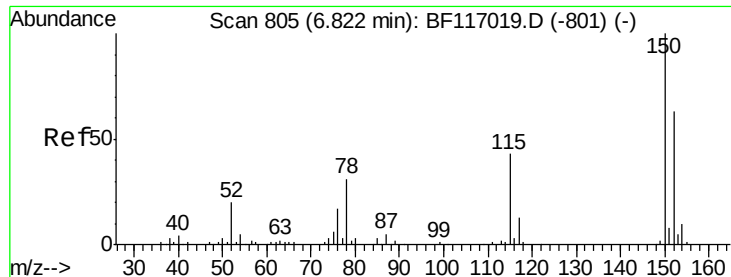
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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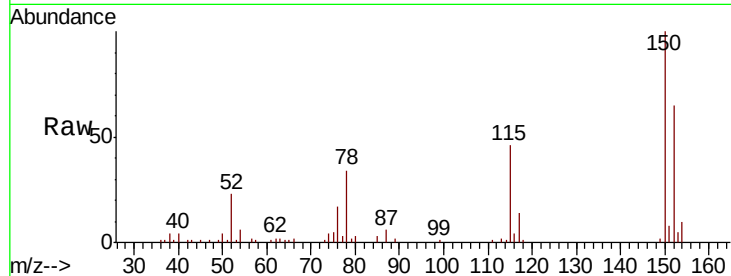


#1

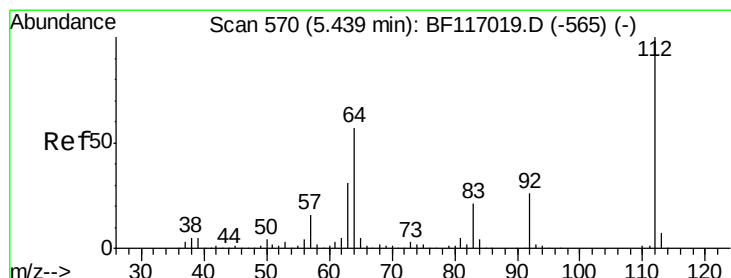
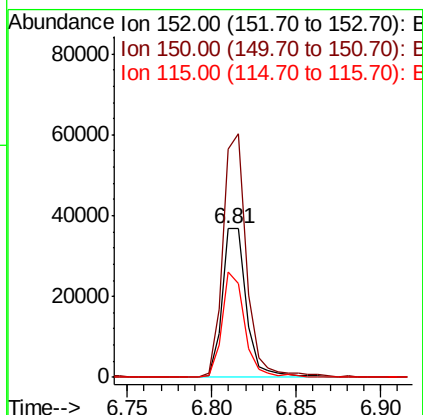
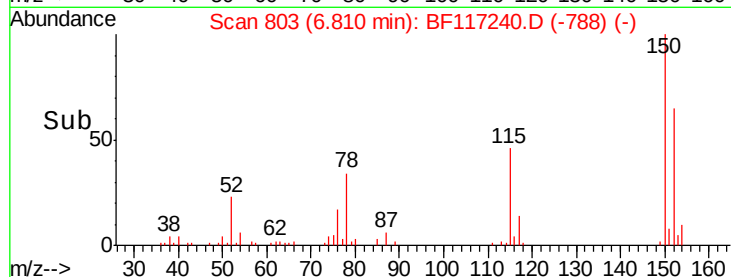
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF117240.D
Acq: 25 Sep 2019 15:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 36844
Ion Ratio Lower Upper
152 100
150 154.0 127.5 191.3
115 71.3 55.0 82.4



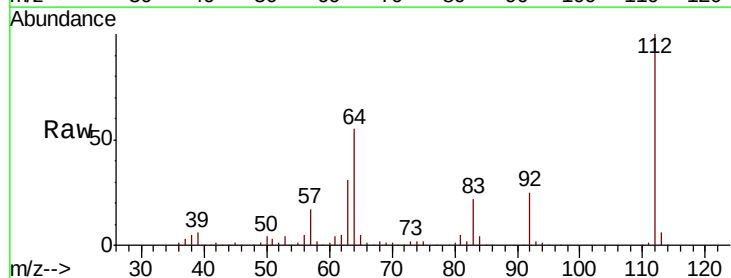
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



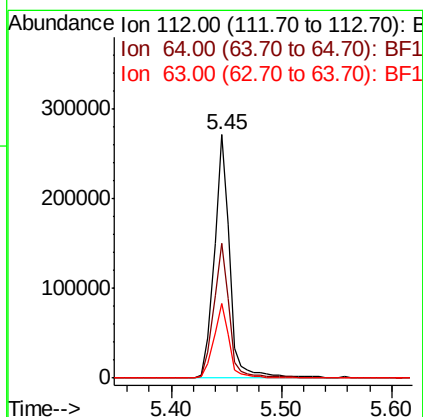
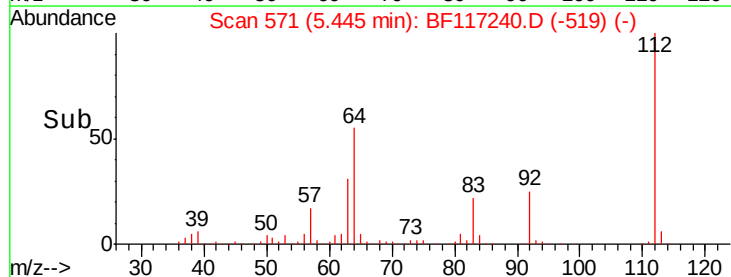
#5

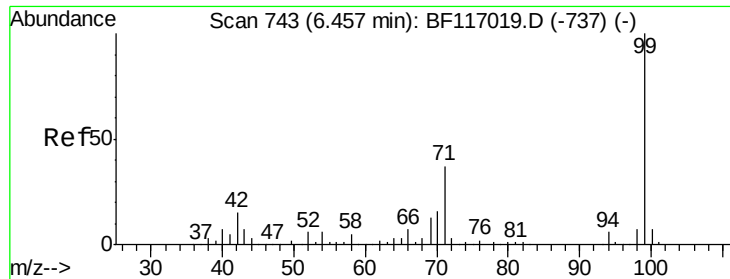
2-Fluorophenol
Concen: 109.762 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF117240.D
Acq: 25 Sep 2019 15:18

Tgt Ion:112 Resp: 259029
Ion Ratio Lower Upper
112 100
64 55.4 45.7 68.5
63 30.9 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: 117.921 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.00 min

Lab File: BF117240.D

Acq: 25 Sep 2019 15:18

Instrument :

BNA_F

ClientSampleId :

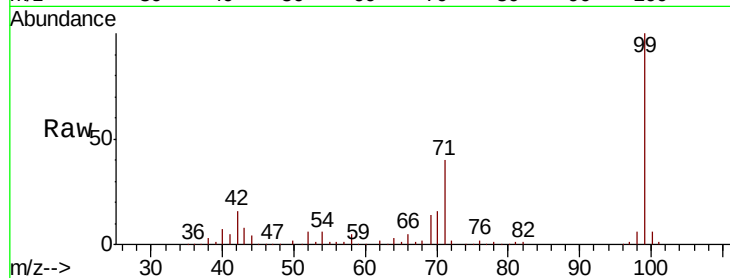
Tot Ion: 99 Resp: 359641

Ion Ratio Lower Upper

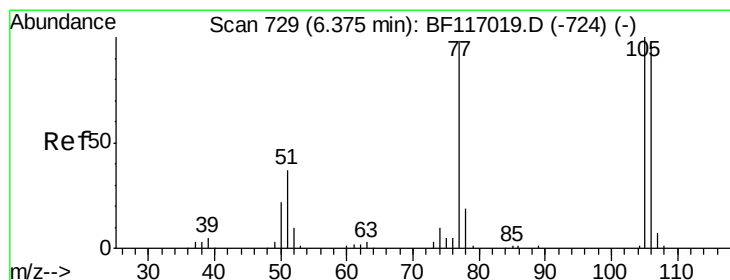
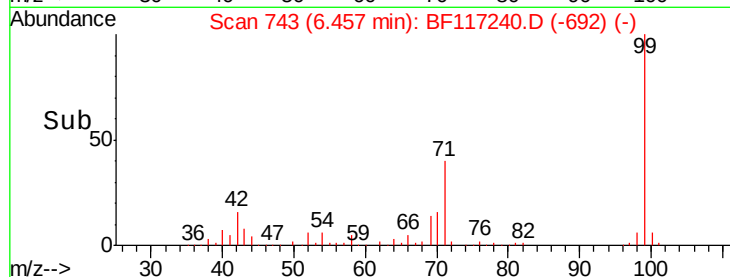
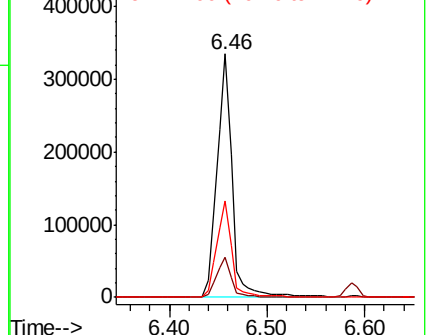
99 100

42 16.4 12.2 18.2

71 39.7 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: BF117240.D

Acq: 25 Sep 2019 15:18

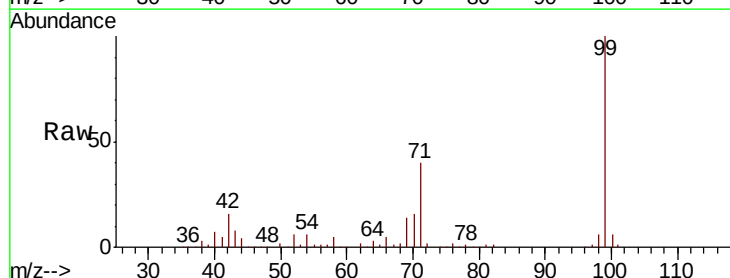
Tgt Ion: 77 Resp: 464

Ion Ratio Lower Upper

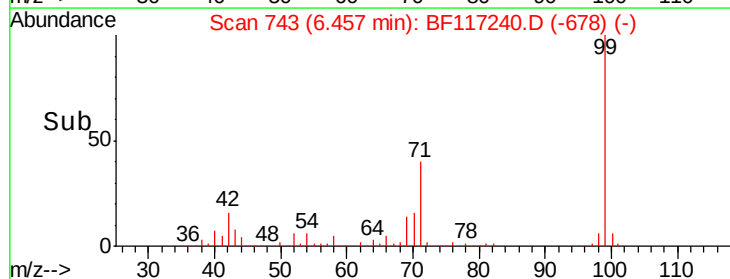
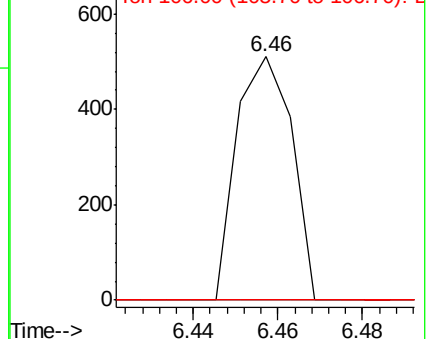
77 100

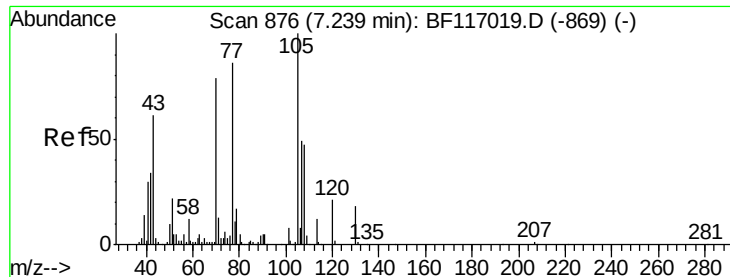
105 0.0 81.8 121.8#

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

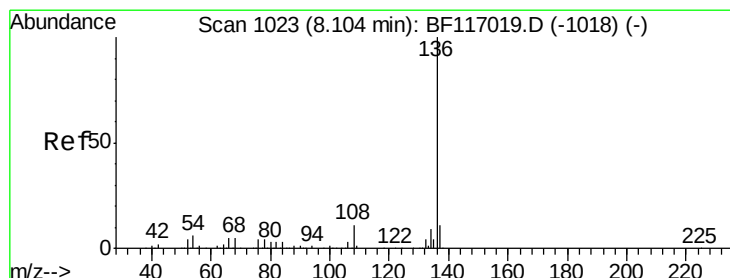
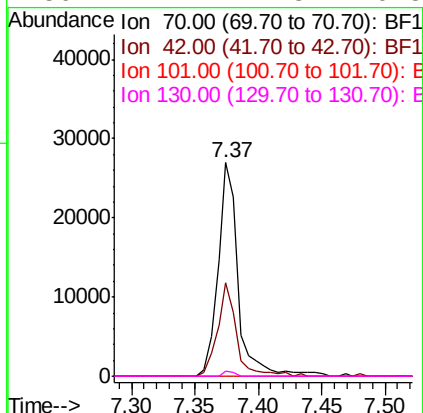
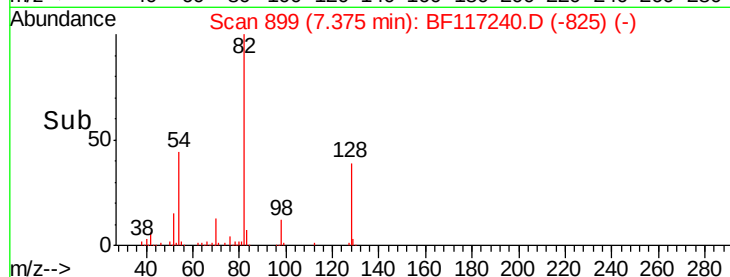
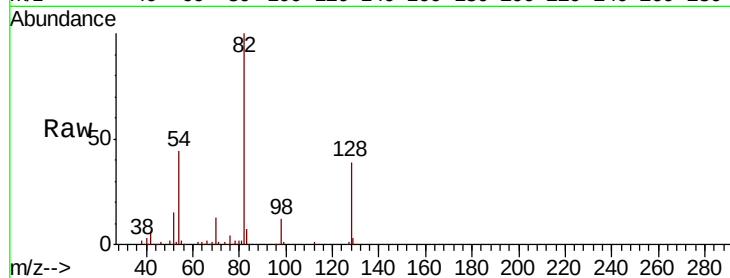




#19
n-Nitroso-di-n-propylamine
Concen: 16.241 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.14 min
Lab File: BF117240.D
Acq: 25 Sep 2019 15:18

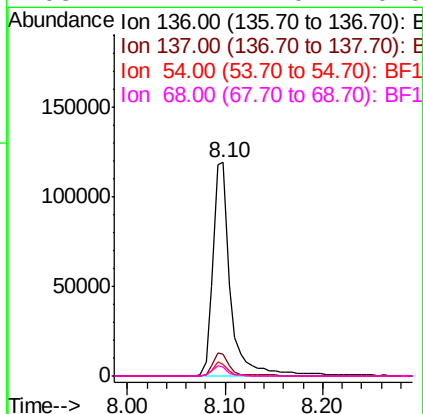
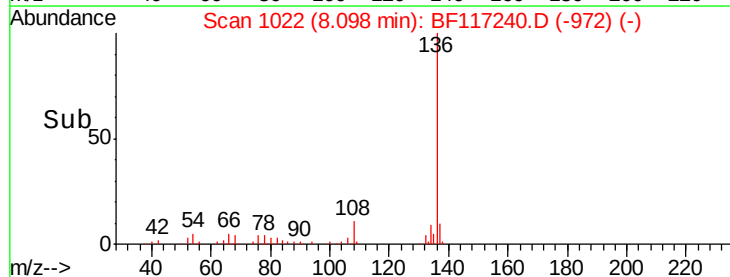
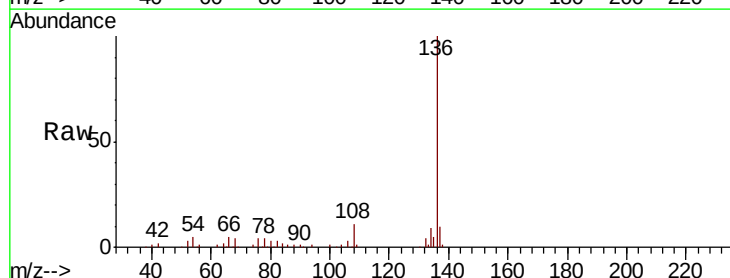
Instrument :
BNA_F
ClientSampleId :

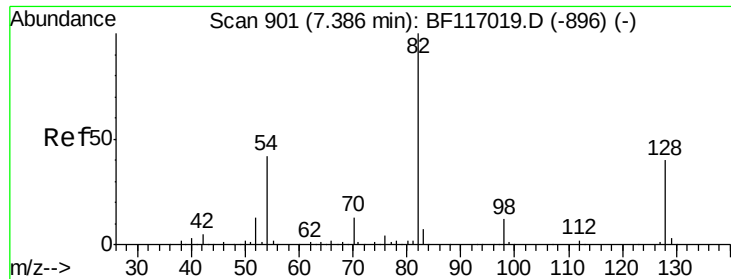
Tot Ion	Ratio	Lower	Upper
70	100		
42	43.8	34.0	51.0
101	0.0	7.8	11.6#
130	2.1	17.8	26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF117240.D
Acq: 25 Sep 2019 15:18

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.0	13.4
54	5.5	4.5	6.7
68	4.1	4.0	6.0

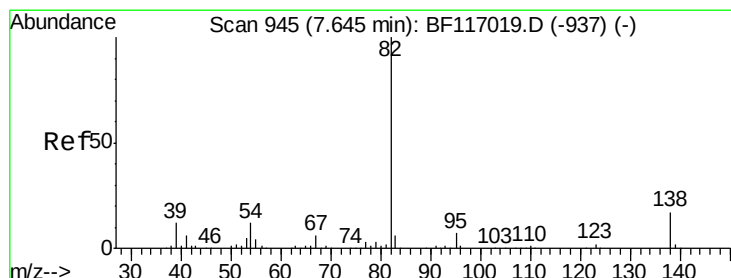
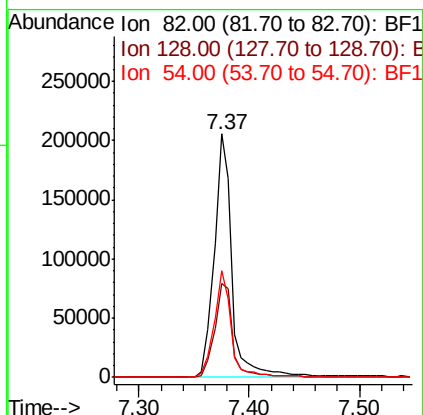
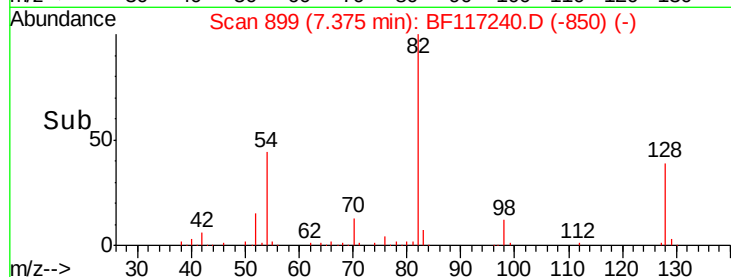
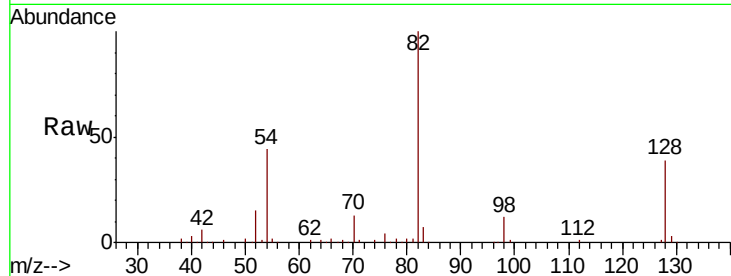




#23
 Nitrobenzene-d5
 Concen: 79.510 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: BF117240.D
 Acq: 25 Sep 2019 15:18

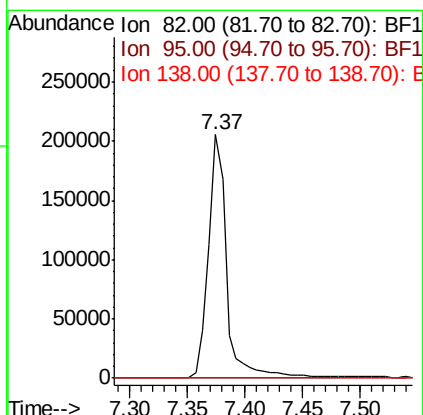
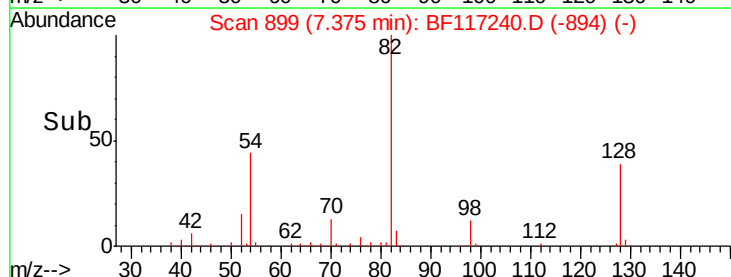
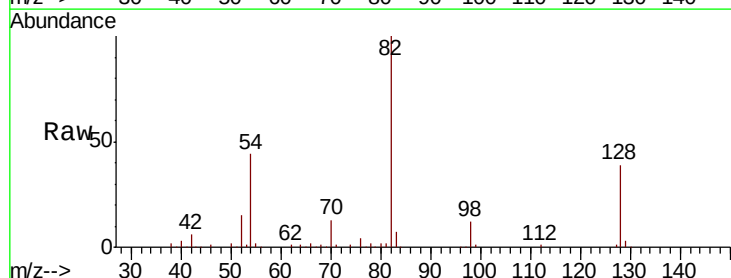
Instrument :
 BNA_F
 ClientSampleId :

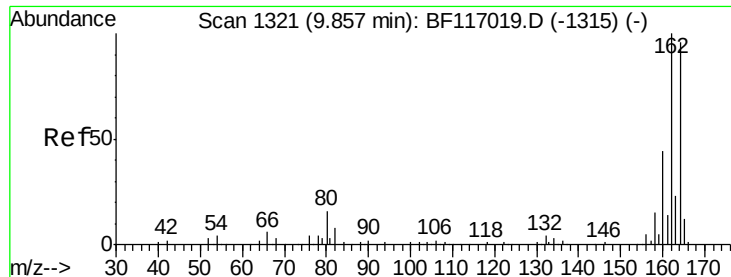
Tot Ion	82	Resp	226936
Ion Ratio	100	Lower	Upper
128	38.8	32.3	48.5
54	44.0	33.3	49.9



#25
 Isophorone
 Concen: 44.906 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.27 min
 Lab File: BF117240.D
 Acq: 25 Sep 2019 15:18

Tgt Ion	82	Resp	226934
Ion Ratio	100	Lower	Upper
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#

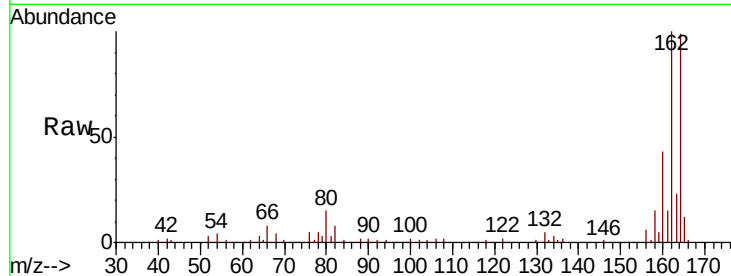




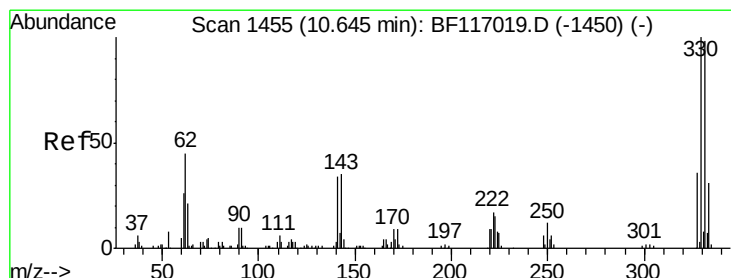
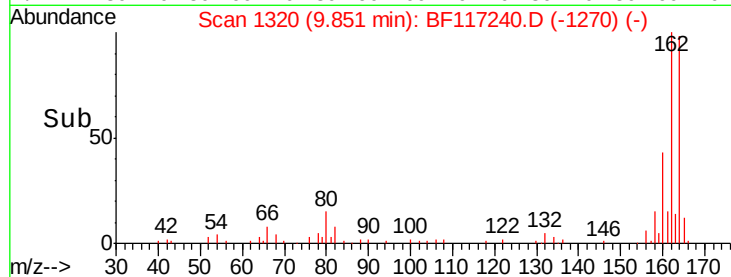
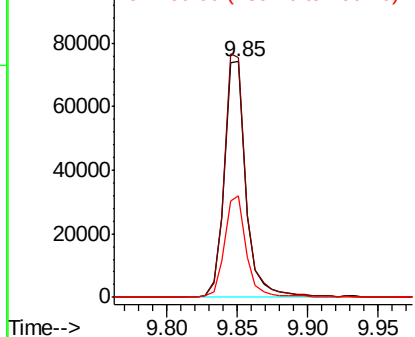
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF117240.D
Acq: 25 Sep 2019 15:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 79615
Ion Ratio Lower Upper
164 100
162 101.4 83.4 125.2
160 43.3 36.4 54.6

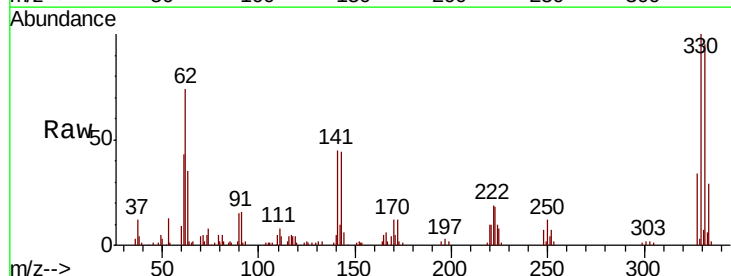


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

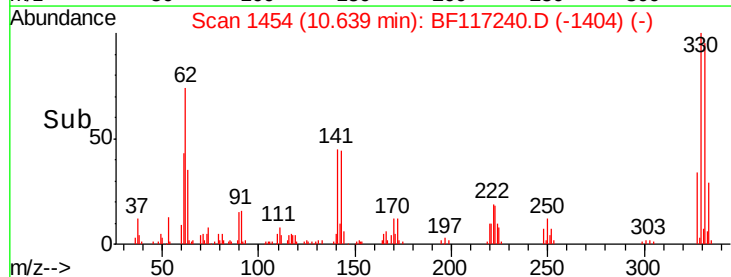
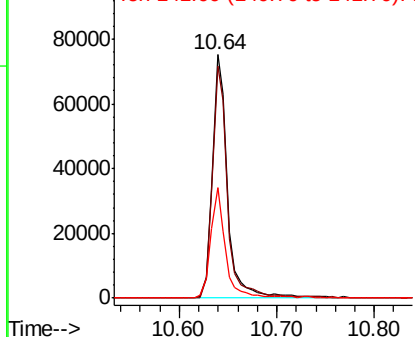


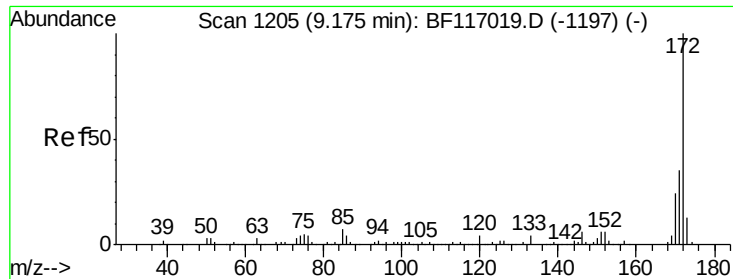
#42
2,4,6-Tribromophenol
Concen: 121.981 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF117240.D
Acq: 25 Sep 2019 15:18

Tgt Ion:330 Resp: 81166
Ion Ratio Lower Upper
330 100
332 94.8 78.0 117.0
141 44.1 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

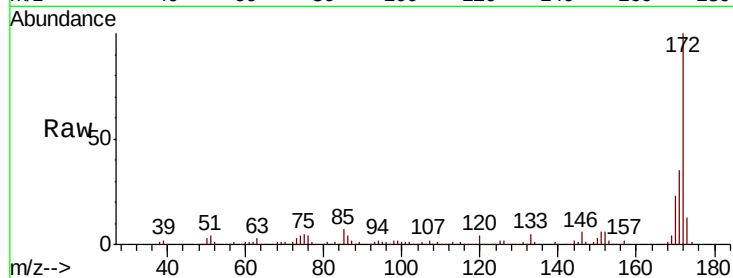




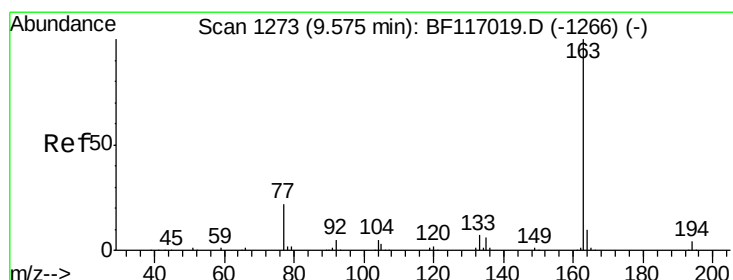
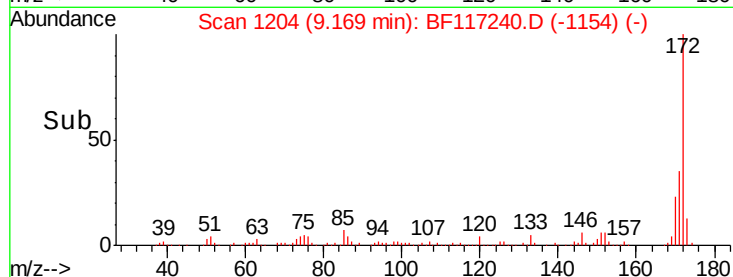
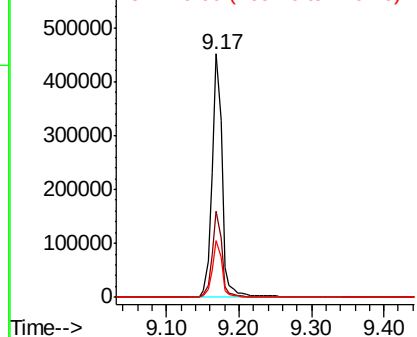
#45
2-Fluorobiphenyl
Concen: 85.838 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF117240.D
Acq: 25 Sep 2019 15:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 437074
Ion Ratio Lower Upper
172 100
171 35.5 28.2 42.2
170 23.2 18.9 28.3

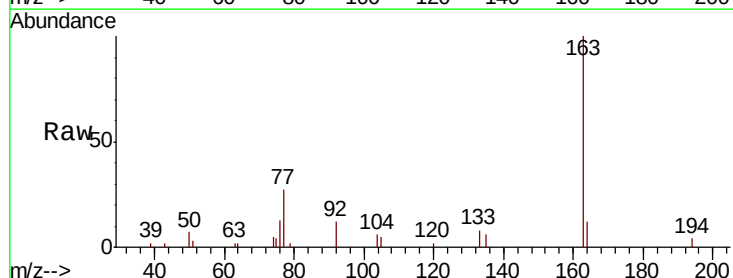


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

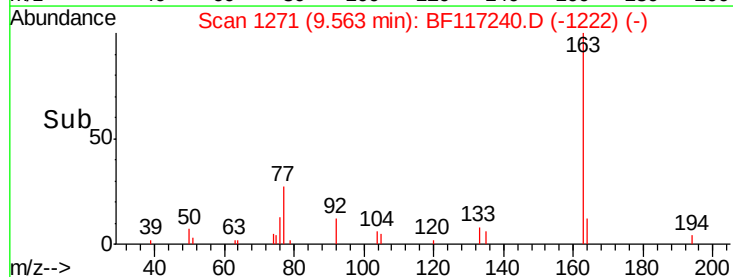
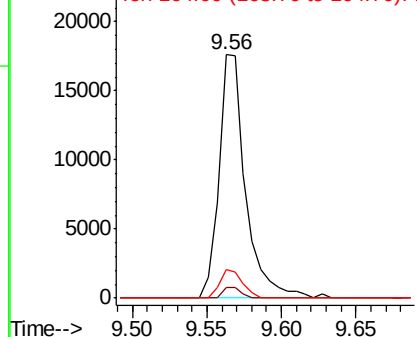


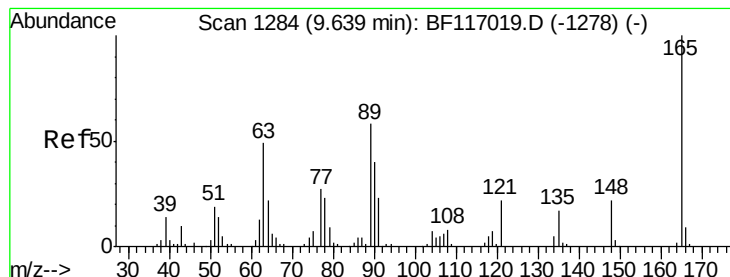
#50
Dimethylphthalate
Concen: 3.908 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF117240.D
Acq: 25 Sep 2019 15:18

Tgt Ion:163 Resp: 22029
Ion Ratio Lower Upper
163 100
194 4.3 2.9 4.3
164 11.6 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

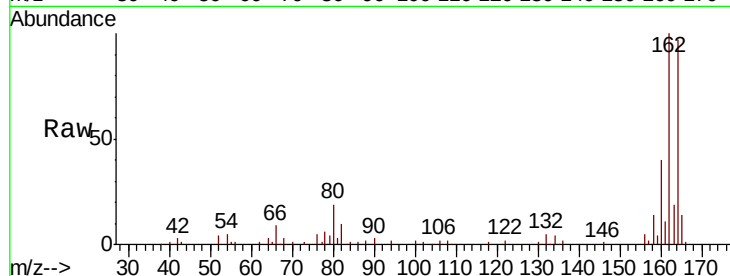




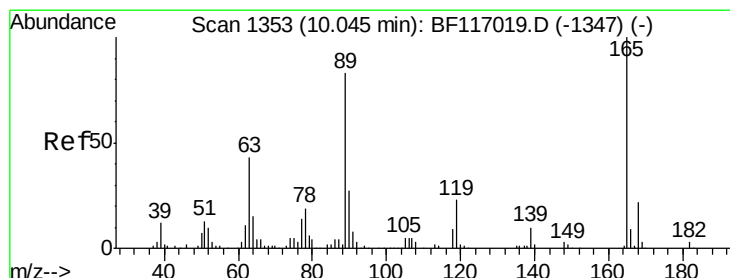
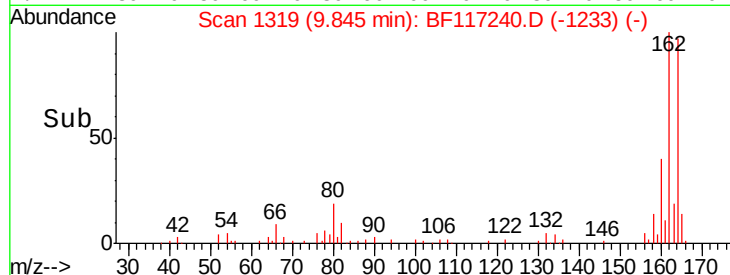
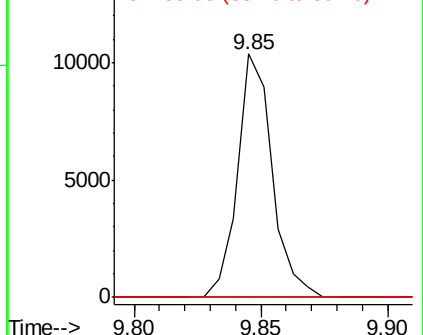
#51
 2,6-Dinitrotoluene
 Concen: 8.527 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.21 min
 Lab File: BF117240.D
 Acq: 25 Sep 2019 15:18

Instrument :
 BNA_F
 ClientSampled :

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



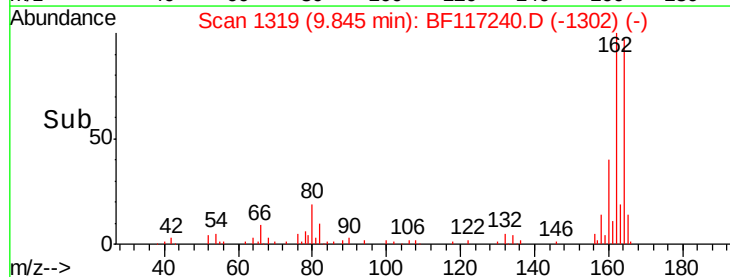
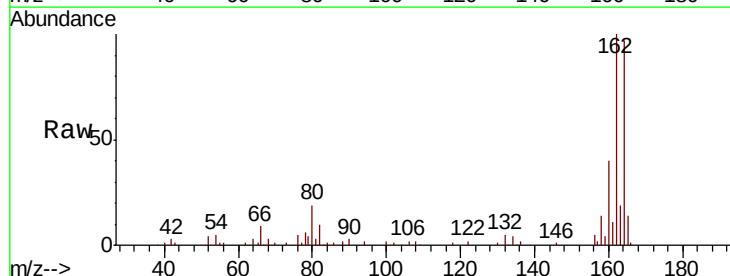
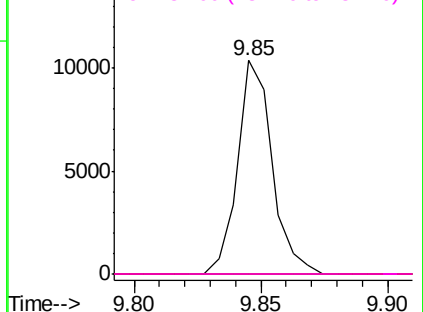
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

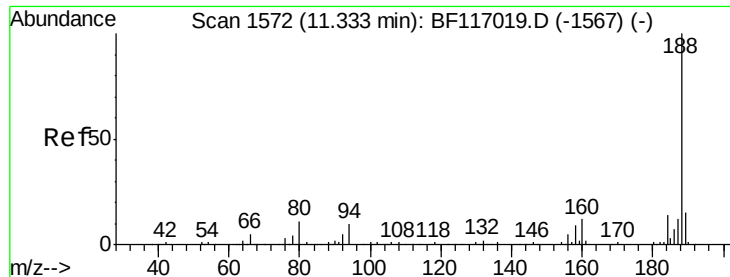


#57
 2,4-Dinitrotoluene
 Concen: 6.569 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.20 min
 Lab File: BF117240.D
 Acq: 25 Sep 2019 15:18

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: BF117240.D

Acq: 25 Sep 2019 15:18

Instrument :

BNA_F

ClientSampleId :

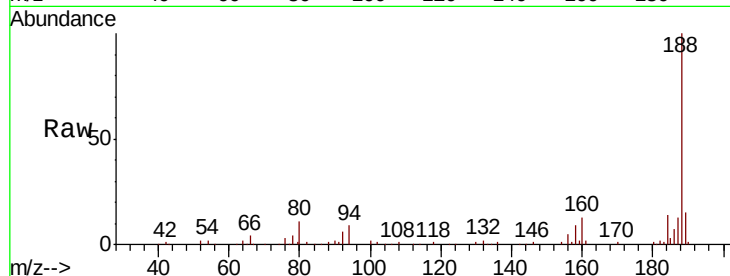
Tot Ion:188 Resp: 123712

Ion Ratio Lower Upper

188 100

94 9.1 8.2 12.2

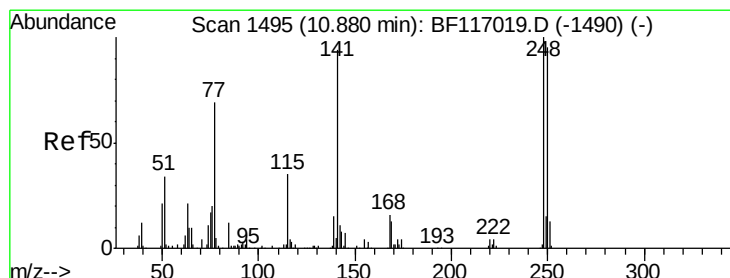
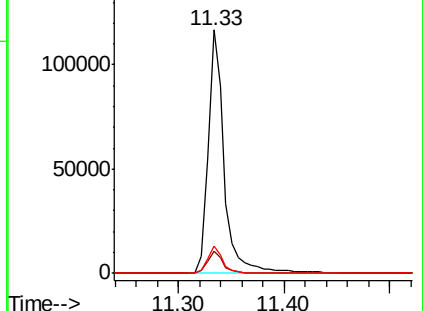
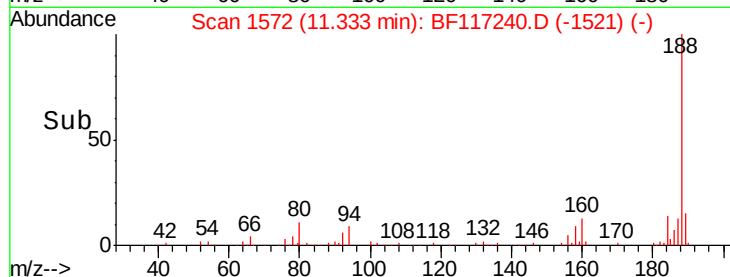
80 11.0 9.0 13.6



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: 3.903 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.24 min

Lab File: BF117240.D

Acq: 25 Sep 2019 15:18

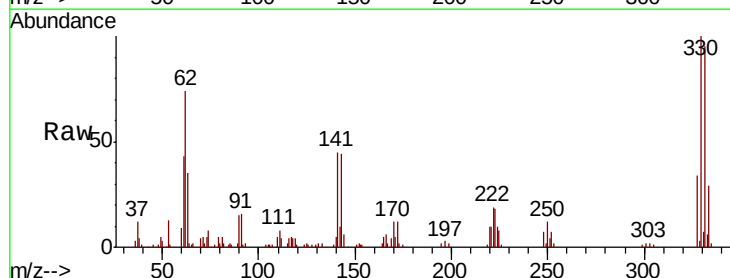
Tgt Ion:248 Resp: 4931

Ion Ratio Lower Upper

248 100

250 166.4 76.2 114.4#

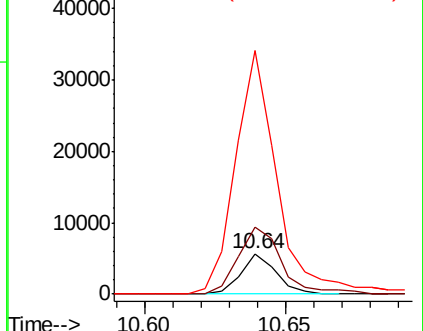
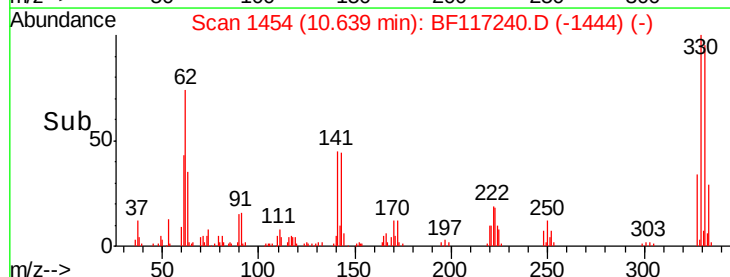
141 605.6 75.0 112.4#

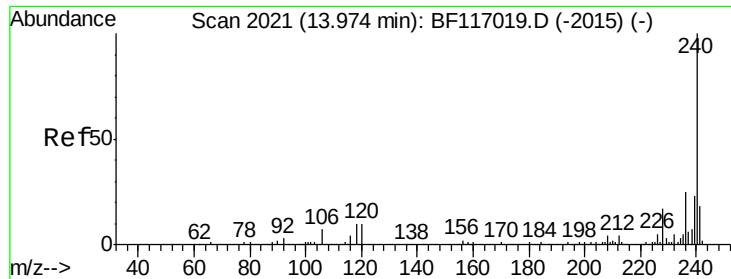


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

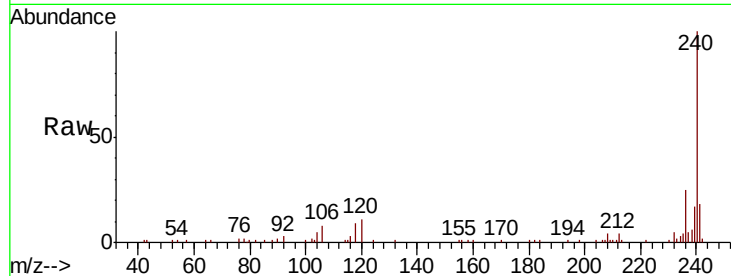




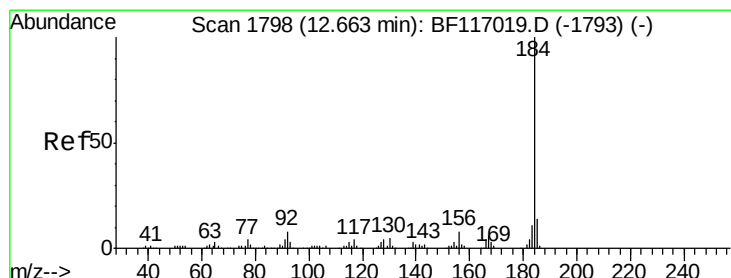
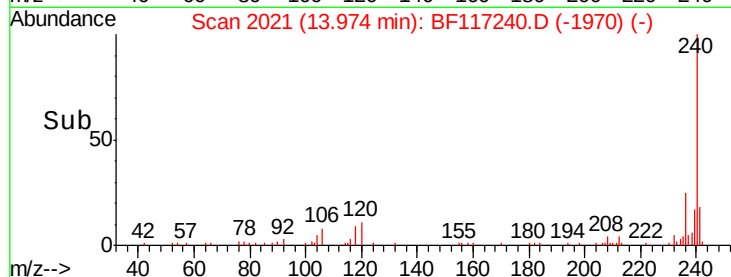
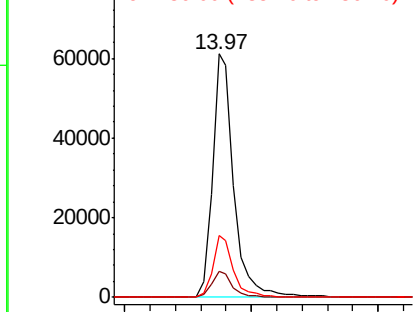
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.00 min
 Lab File: BF117240.D
 Acq: 25 Sep 2019 15:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:240 Resp: 71670
 Ion Ratio Lower Upper
 240 100
 120 10.8 8.3 12.5
 236 25.2 20.3 30.5

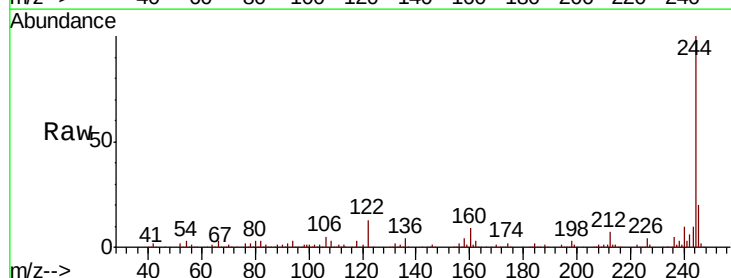


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

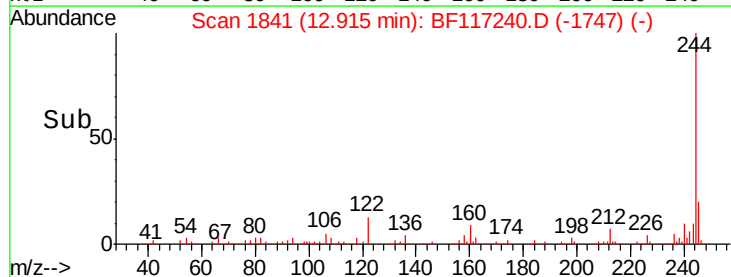
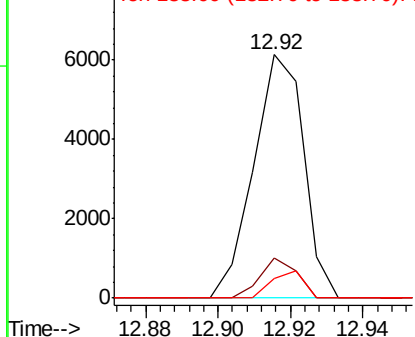


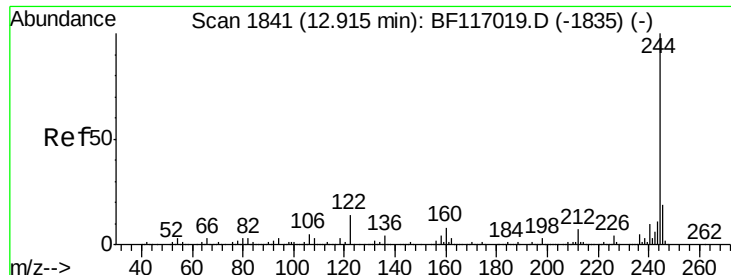
#77
 Benzidine
 Concen: 2.546 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. 0.25 min
 Lab File: BF117240.D
 Acq: 25 Sep 2019 15:18

Tgt Ion:184 Resp: 5878
 Ion Ratio Lower Upper
 184 100
 185 16.3 11.6 17.4
 183 7.9 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

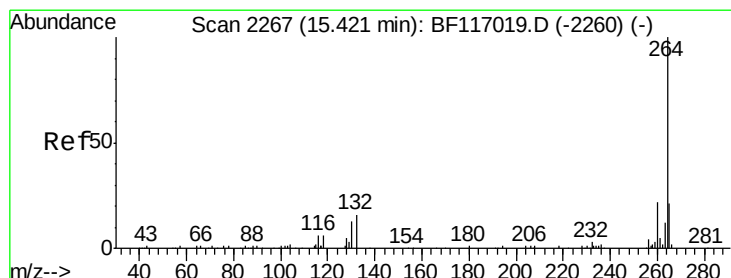
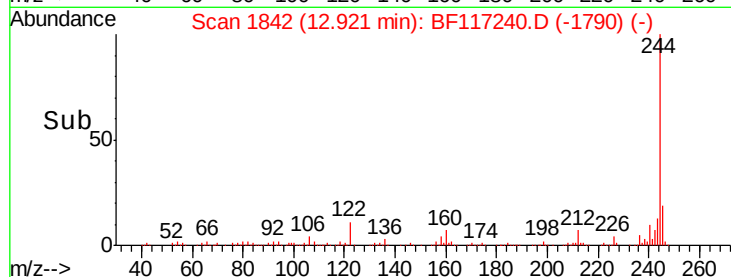
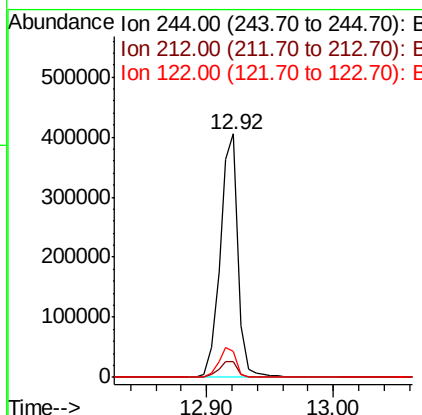
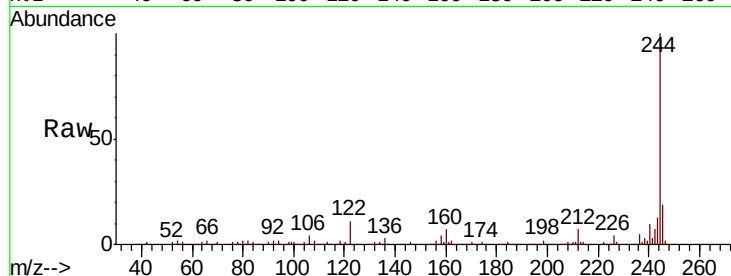




#79
 Terphenyl-d14
 Concen: 103.091 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. 0.01 min
 Lab File: BF117240.D
 Acq: 25 Sep 2019 15:18

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 395272
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.8 8.8
 122 10.6 11.3 16.9#



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. 0.01 min
 Lab File: BF117240.D
 Acq: 25 Sep 2019 15:18

Tgt Ion:264 Resp: 66023
 Ion Ratio Lower Upper
 264 100
 260 24.7 17.6 26.4
 265 21.4 16.6 24.8

