

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091719\
 Data File : BF117097.D
 Acq On : 17 Sep 2019 11:03
 Operator : HP/JU
 Sample : K4883-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 17 17:51:26 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

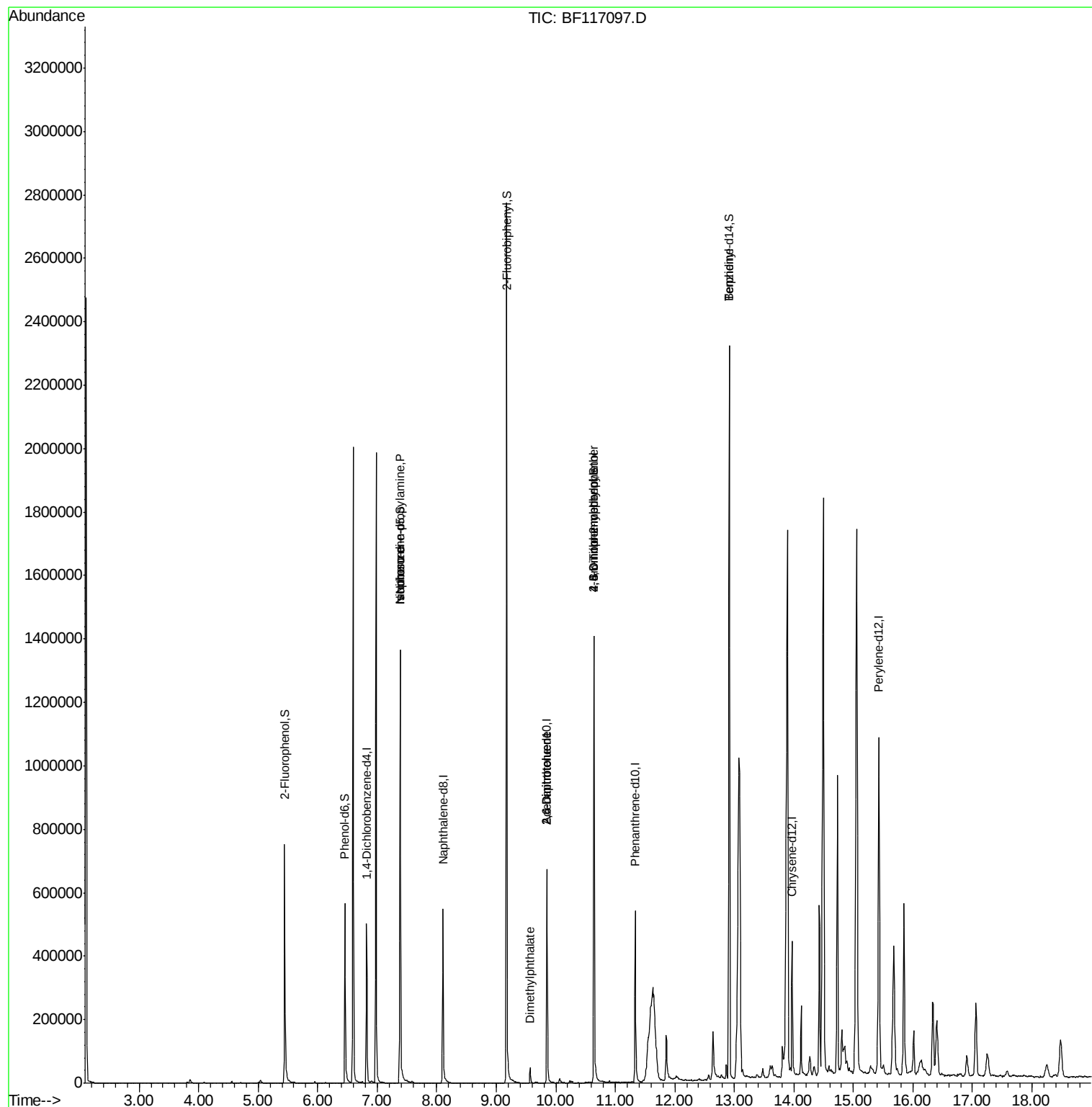
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	73658	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	289018	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	145973	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	237460	20.00	ng	0.00
76) Chrysene-d12	13.97	240	154707	20.00	ng	0.00
87) Perylene-d12	15.42	264	121653	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	250593	53.12	ng	0.00
7) Phenol-d6	6.46	99	214271	35.14	ng	0.00
23) Nitrobenzene-d5	7.39	82	530452	96.43	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	178241	146.10	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	946463	101.38	ng	0.00
79) Terphenyl-d14	12.92	244	754207	91.13	ng	0.00
Target Compounds						
9) Benzaldehyde	6.60	77	13249	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	70096	18.880 ng	#	78
25) Isophorone	7.39	82	527422	54.154 ng	#	66
50) Dimethylphthalate	9.57	163	23268	2.251 ng	#	98
51) 2,6-Dinitrotoluene	9.85	165	19041	9.045 ng	#	24
57) 2,4-Dinitrotoluene	9.85	165	19041	6.968 ng	#	18
65) 4,6-Dinitro-2-methylphenol	10.65	198	322	7.157 ng	#	1
67) 4-Bromophenyl-phenylether	10.64	248	11655	4.806 ng	#	1
77) Benzidine	12.92	184	11606	2.329 ng	#	95

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

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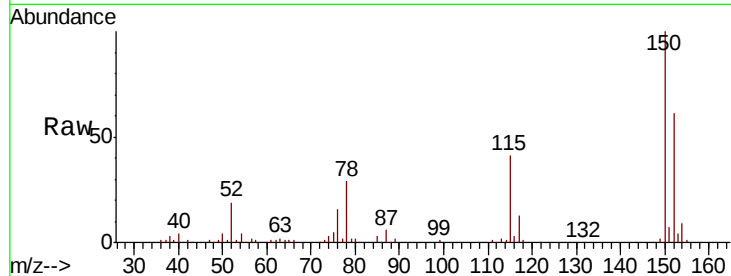


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.00 min
Lab File: BF117097.D
Acq: 17 Sep 2019 11:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.4	127.5	191.3
115	66.3	55.0	82.4

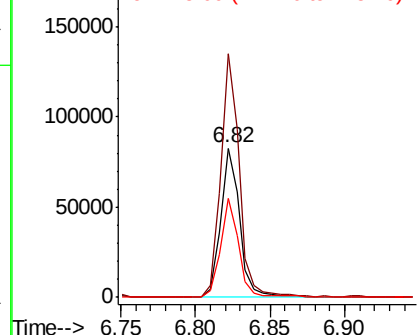
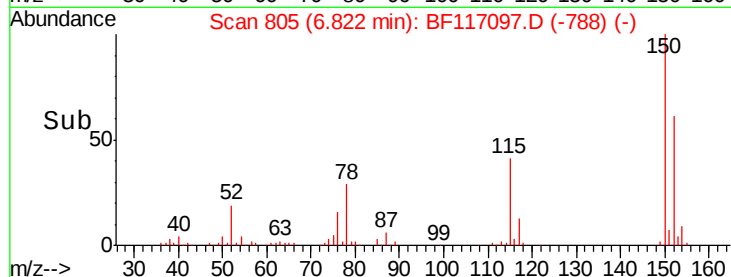


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

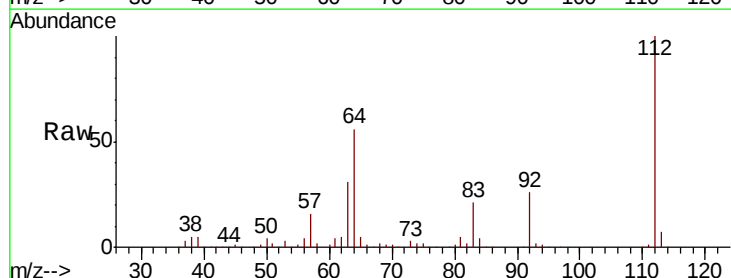
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 53.115 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF117097.D
Acq: 17 Sep 2019 11:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.5	45.7	68.5
63	31.0	24.9	37.3

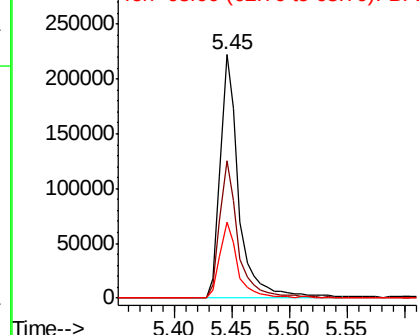
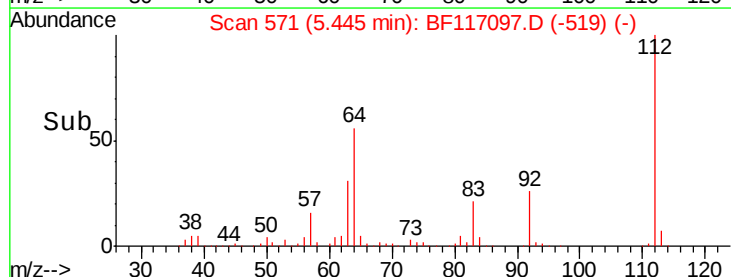


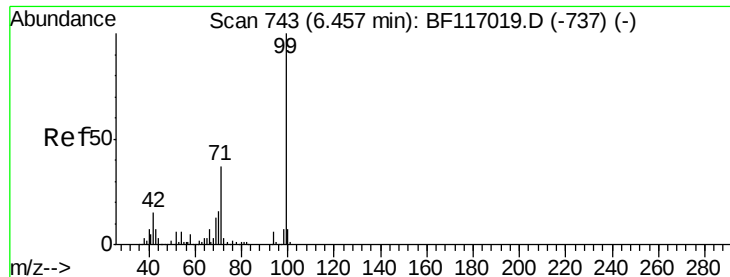
Abundance

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: 35.142 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.00 min

Lab File: BF117097.D

Acq: 17 Sep 2019 11:03

Instrument :

BNA_F

ClientSampleId :

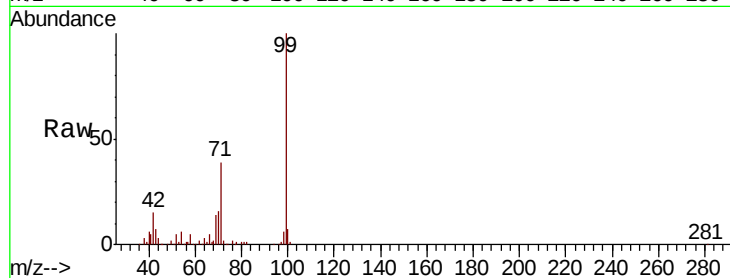
Tot Ion: 99 Resp: 214271

Ion Ratio Lower Upper

99 100

42 15.0 12.2 18.2

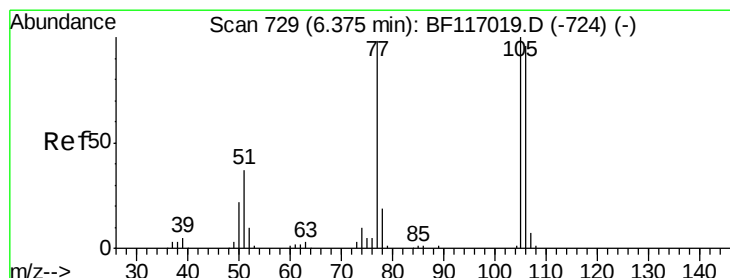
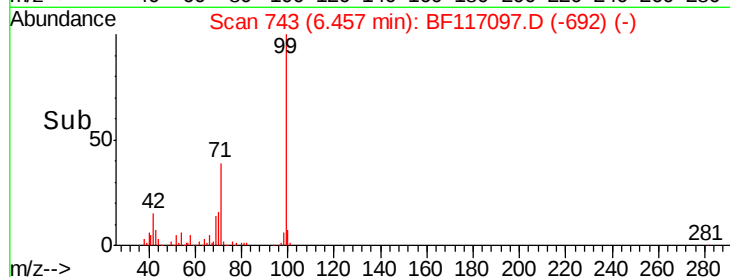
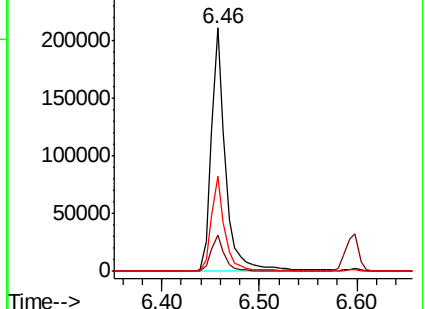
71 39.1 29.8 44.8



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: 6.60 min Scan# 767

Delta R.T. 0.22 min

Lab File: BF117097.D

Acq: 17 Sep 2019 11:03

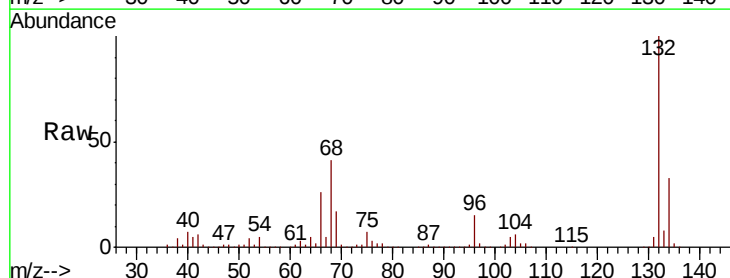
Tgt Ion: 77 Resp: 13249

Ion Ratio Lower Upper

77 100

105 80.7 81.8 121.8#

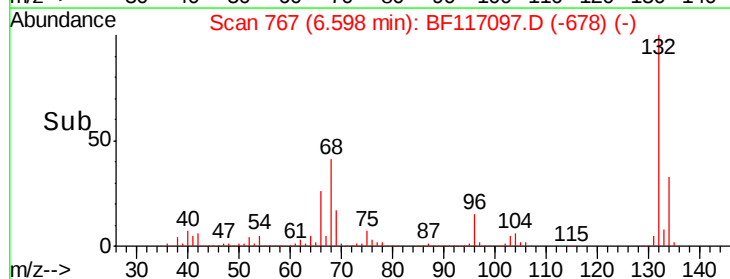
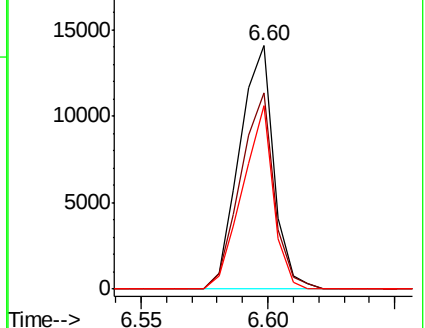
106 75.3 77.3 117.3#



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

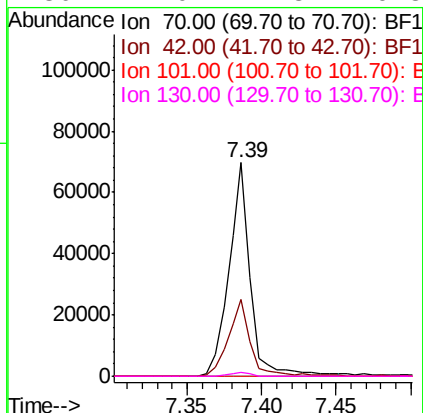
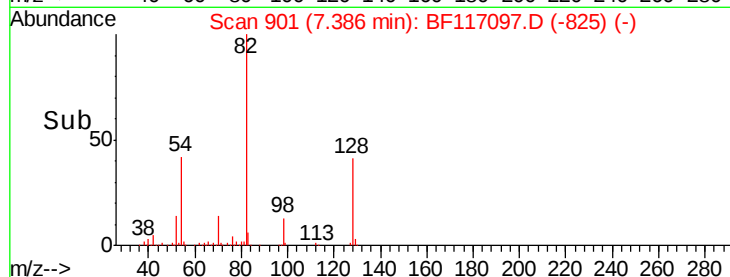
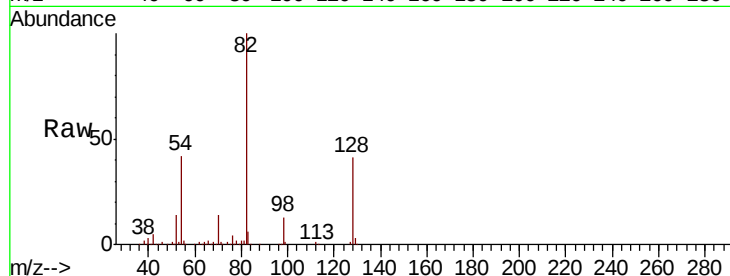




#19
n-Nitroso-di-n-propylamine
Concen: 18.880 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.15 min
Lab File: BF117097.D
Acq: 17 Sep 2019 11:03

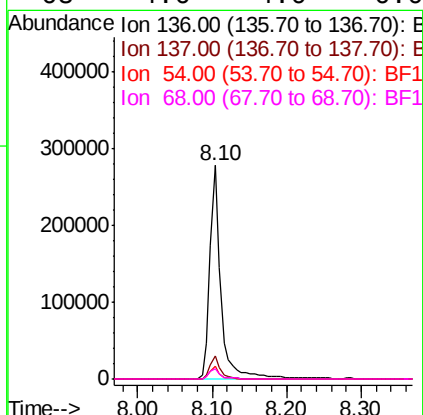
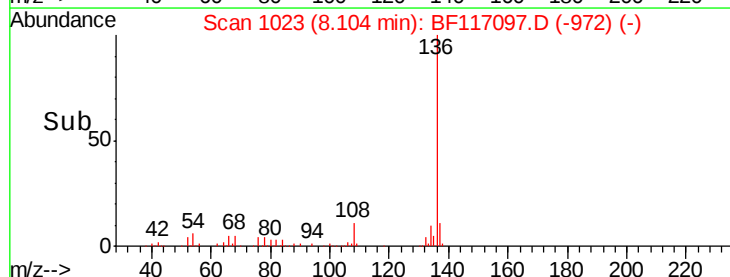
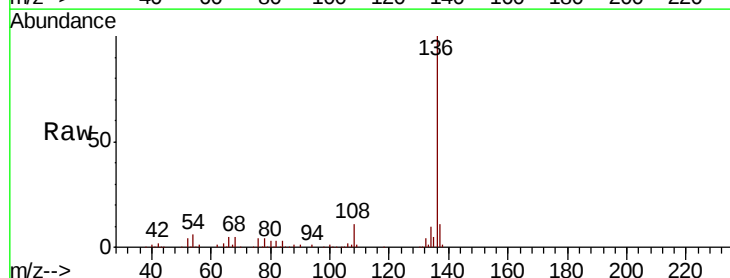
Instrument :
BNA_F
ClientSampled :

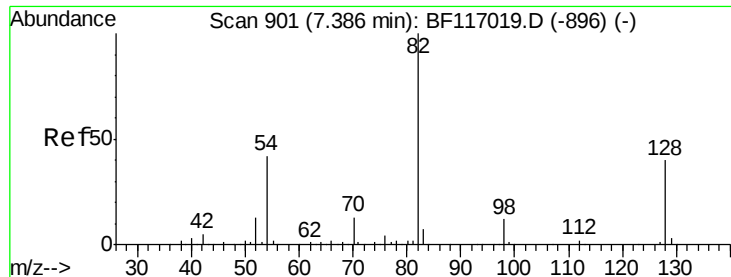
Tot Ion	Ratio	Lower	Upper
70	100		
42	36.3	34.0	51.0
101	0.0	7.8	11.6#
130	2.0	17.8	26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.00 min
Lab File: BF117097.D
Acq: 17 Sep 2019 11:03

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	5.7	4.5	6.7
68	4.6	4.0	6.0

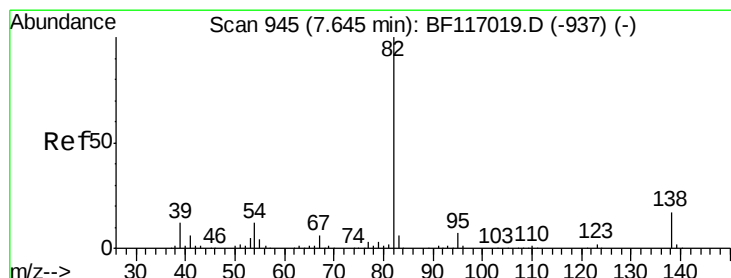
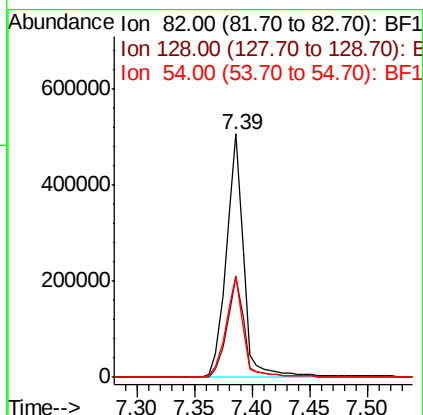
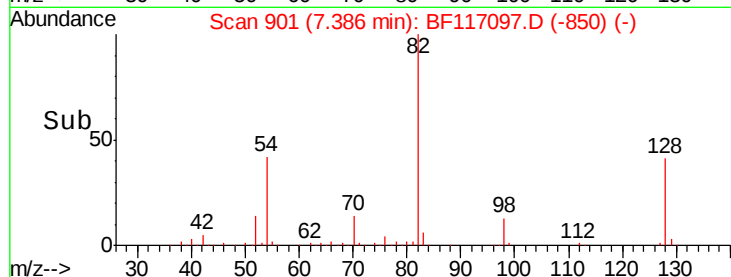
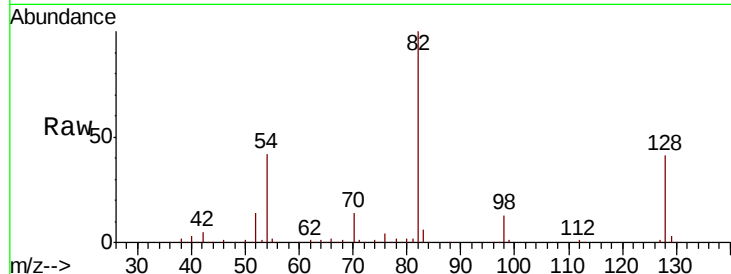




#23
Nitrobenzene-d5
Concen: 96.434 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.00 min
Lab File: BF117097.D
Acq: 17 Sep 2019 11:03

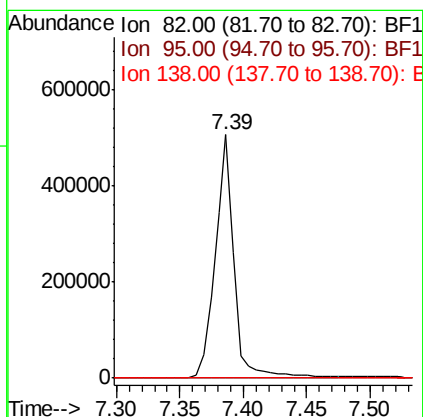
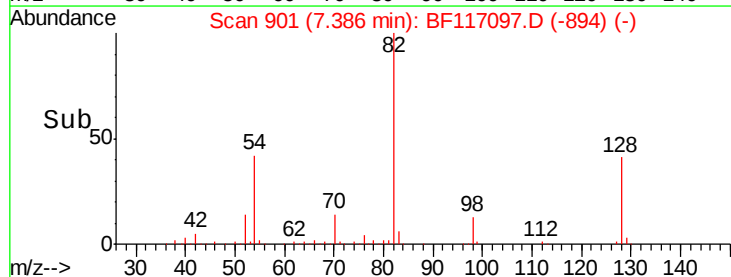
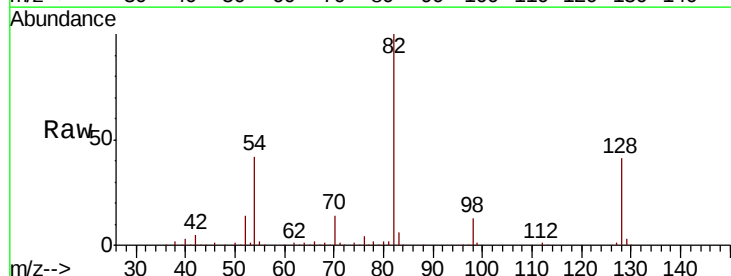
Instrument :
BNA_F
ClientSampleId :

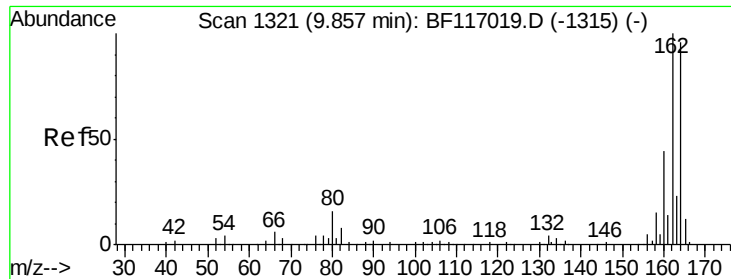
Tot Ion	Ratio	Lower	Upper
82	100		
128	41.1	32.3	48.5
54	41.9	33.3	49.9



#25
Isophorone
Concen: 54.154 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.26 min
Lab File: BF117097.D
Acq: 17 Sep 2019 11:03

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

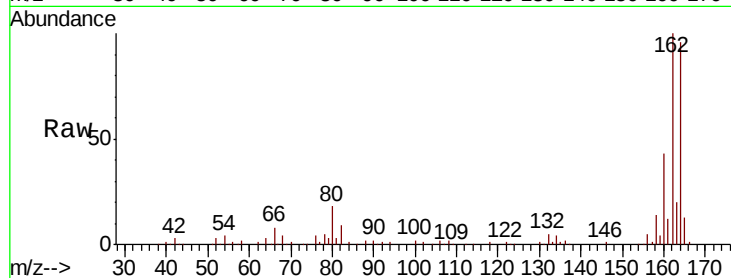




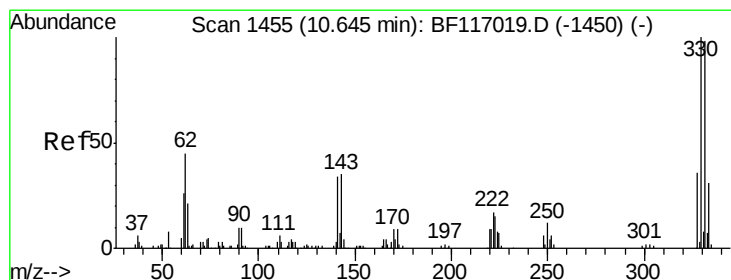
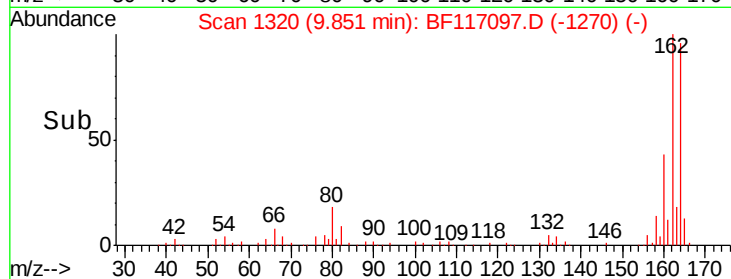
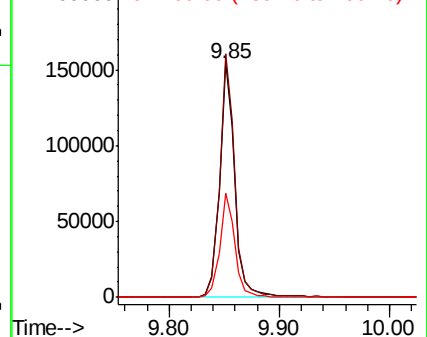
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF117097.D
Acq: 17 Sep 2019 11:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 145973
Ion Ratio Lower Upper
164 100
162 103.9 83.4 125.2
160 44.6 36.4 54.6

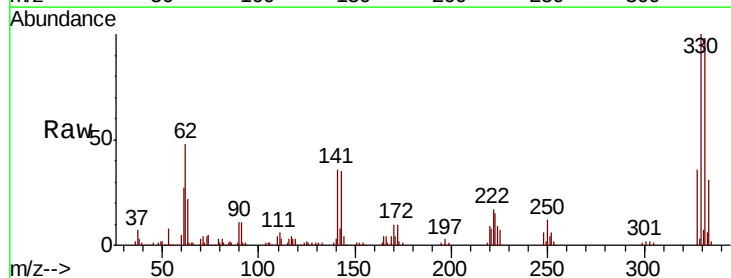


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

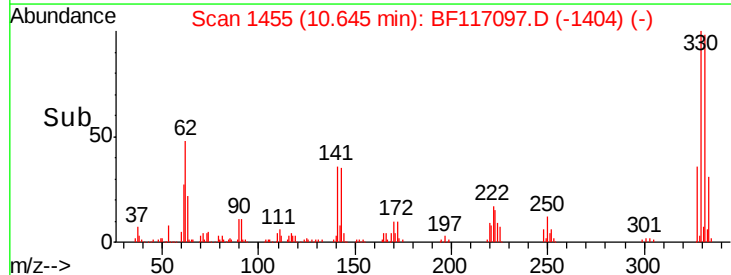
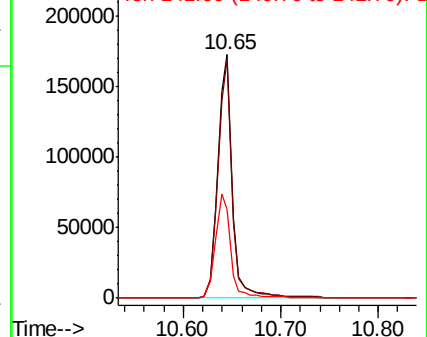


#42
2,4,6-Tribromophenol
Concen: 146.099 ng
RT: 10.65 min Scan# 1455
Delta R.T. -0.00 min
Lab File: BF117097.D
Acq: 17 Sep 2019 11:03

Tgt Ion:330 Resp: 178241
Ion Ratio Lower Upper
330 100
332 96.6 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

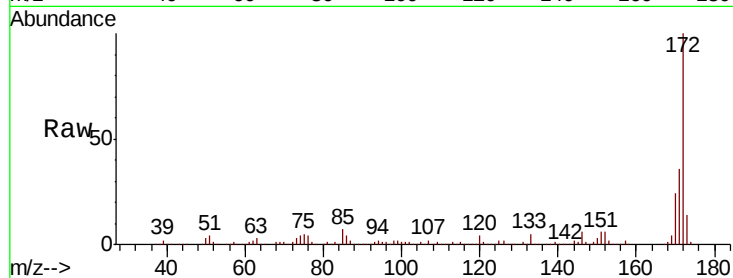




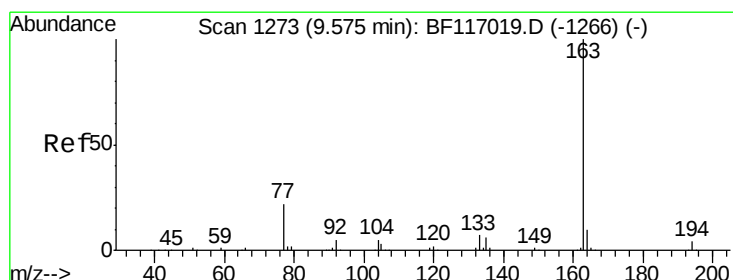
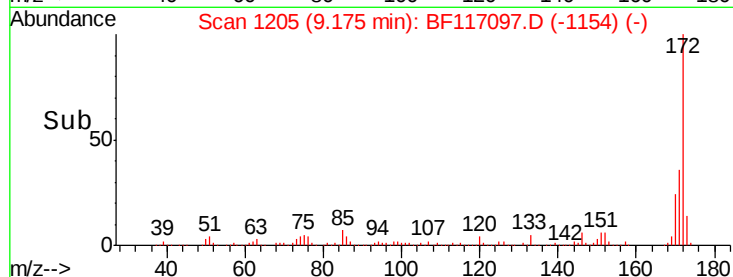
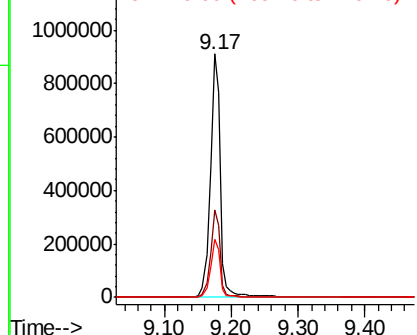
#45
 2-Fluorobiphenyl
 Concen: 101.379 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: BF117097.D
 Acq: 17 Sep 2019 11:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 946463
 Ion Ratio Lower Upper
 172 100
 171 36.0 28.2 42.2
 170 23.9 18.9 28.3

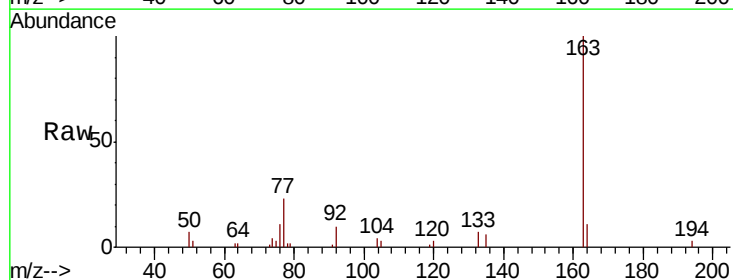


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

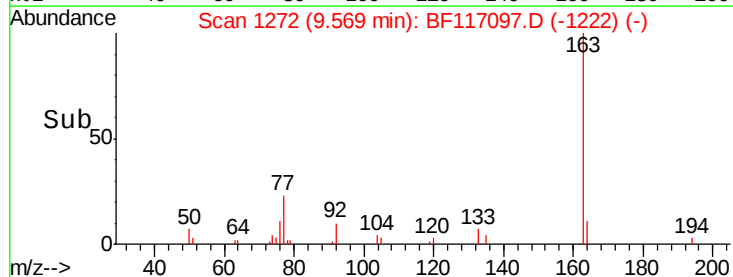
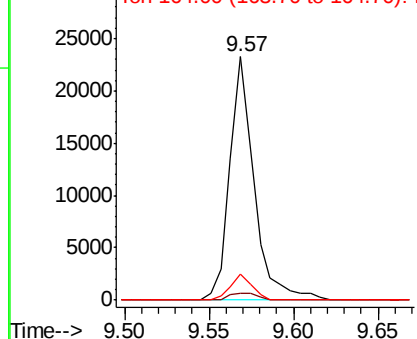


#50
 Dimethylphthalate
 Concen: 2.251 ng
 RT: 9.57 min Scan# 1272
 Delta R.T. -0.01 min
 Lab File: BF117097.D
 Acq: 17 Sep 2019 11:03

Tgt Ion:163 Resp: 23268
 Ion Ratio Lower Upper
 163 100
 194 2.9 2.9 4.3#
 164 10.9 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

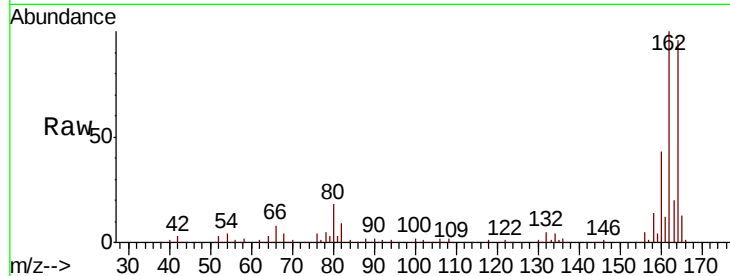




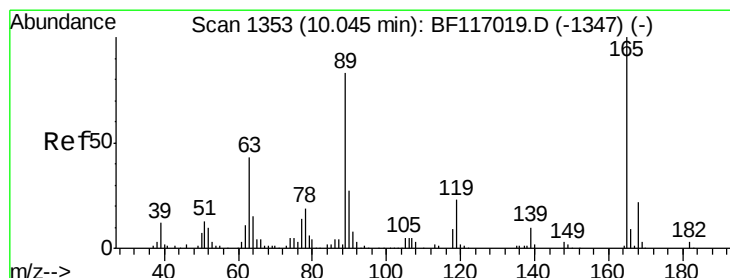
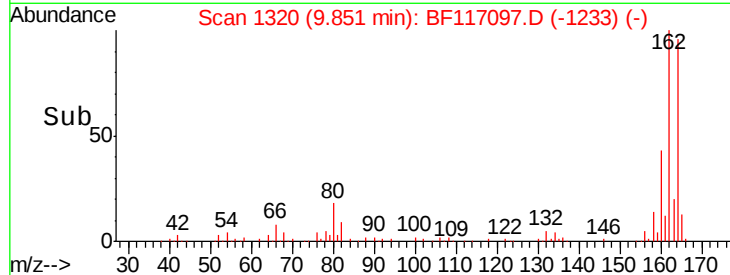
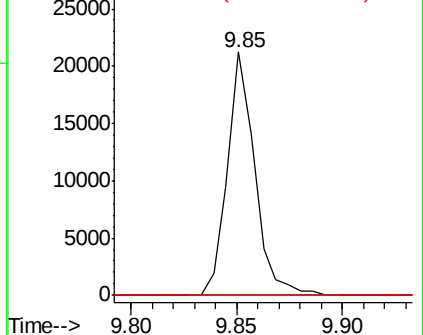
#51
 2,6-Dinitrotoluene
 Concen: 9.045 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.21 min
 Lab File: BF117097.D
 Acq: 17 Sep 2019 11:03

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#

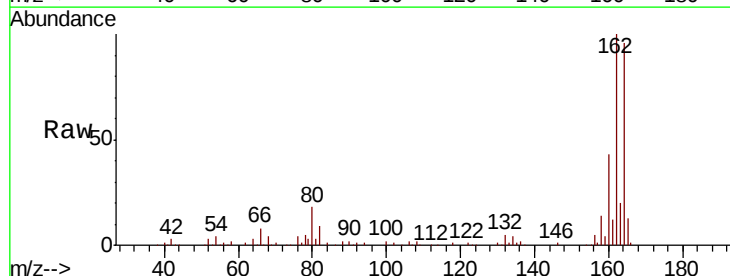


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

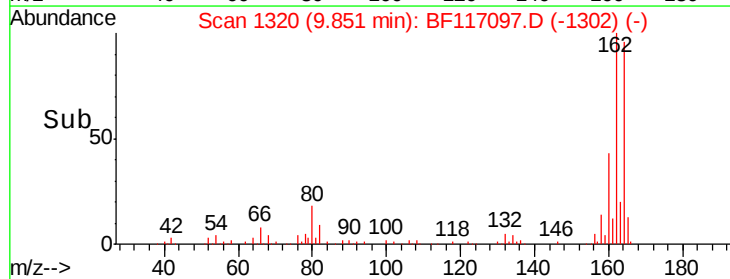
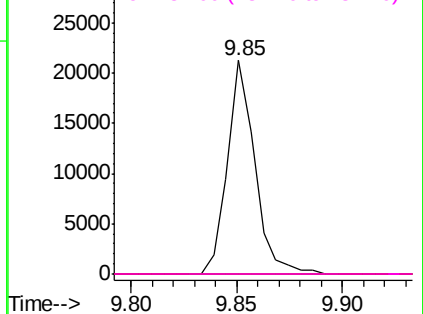


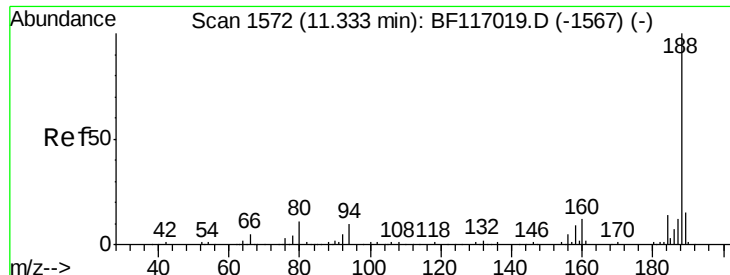
#57
 2,4-Dinitrotoluene
 Concen: 6.968 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF117097.D
 Acq: 17 Sep 2019 11:03

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: BF117097.D

Acq: 17 Sep 2019 11:03

Instrument :

BNA_F

ClientSampled :

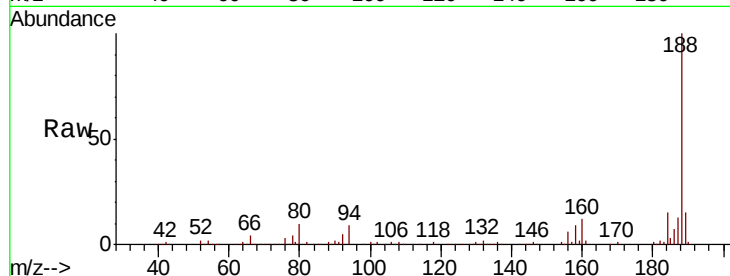
Tot Ion:188 Resp: 237460

Ion Ratio Lower Upper

188 100

94 9.2 8.2 12.2

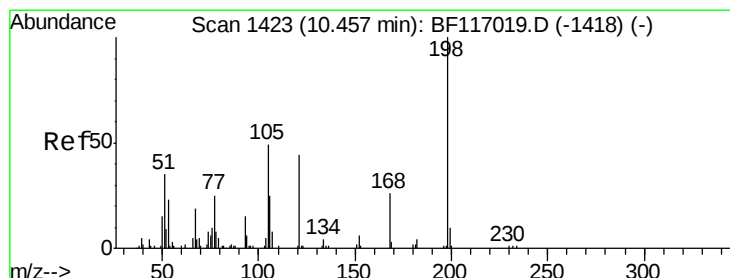
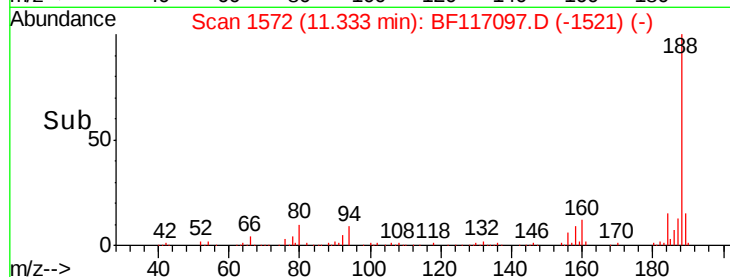
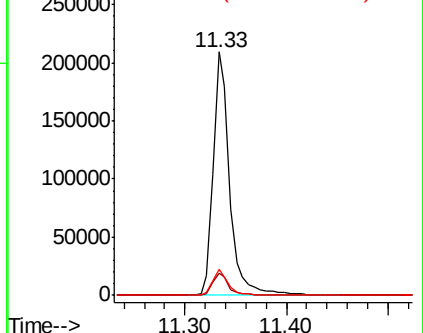
80 10.5 9.0 13.6



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: 7.157 ng

RT: 10.65 min Scan# 1455

Delta R.T. 0.19 min

Lab File: BF117097.D

Acq: 17 Sep 2019 11:03

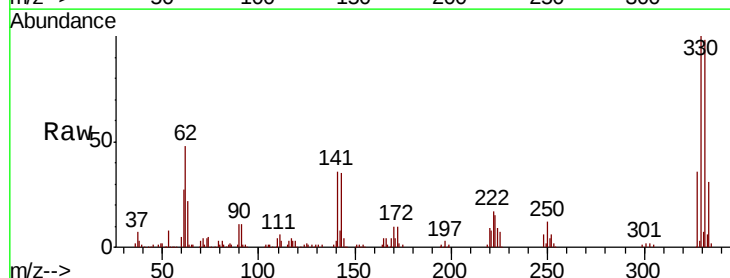
Tgt Ion:198 Resp: 322

Ion Ratio Lower Upper

198 100

51 138.3 18.7 58.7#

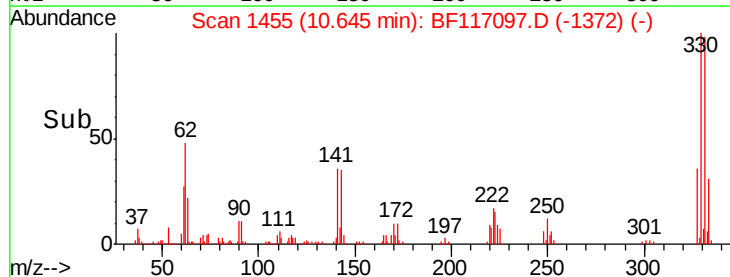
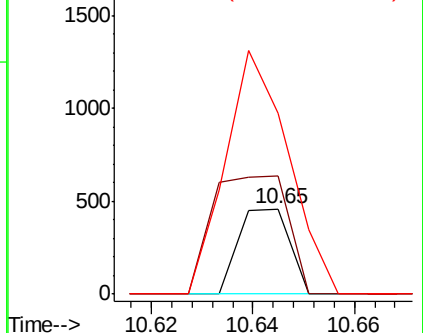
105 212.2 30.2 70.2#



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

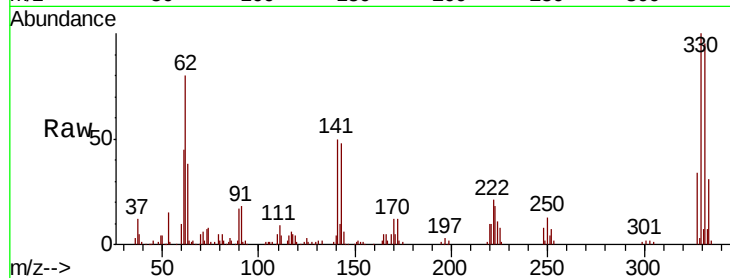




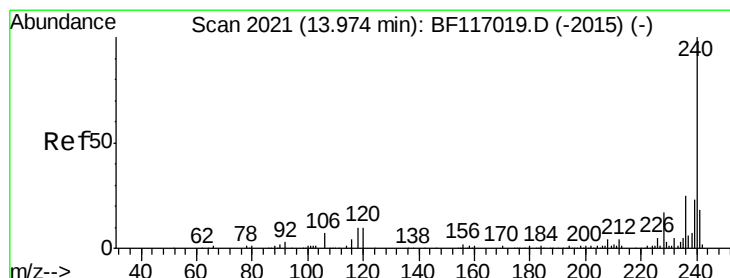
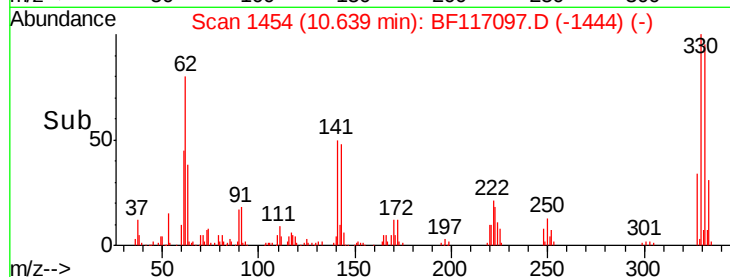
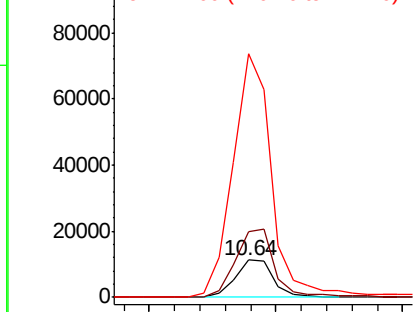
#67
4-Bromophenyl-phenylether
Concen: 4.806 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.24 min
Lab File: BF117097.D
Acq: 17 Sep 2019 11:03

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 11655
Ion Ratio Lower Upper
248 100
250 177.3 76.2 114.4#
141 658.3 75.0 112.4#

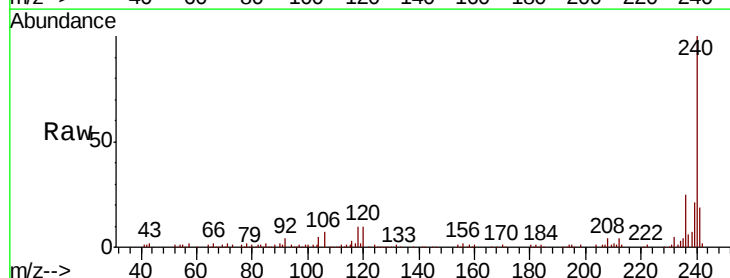


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

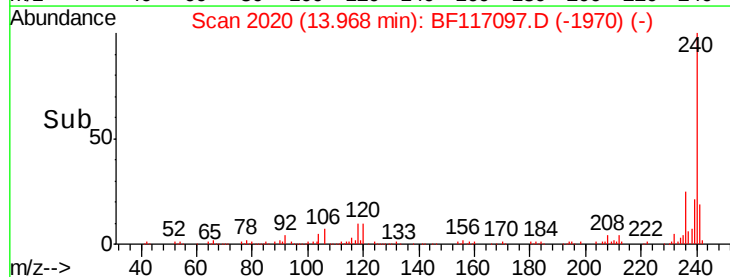
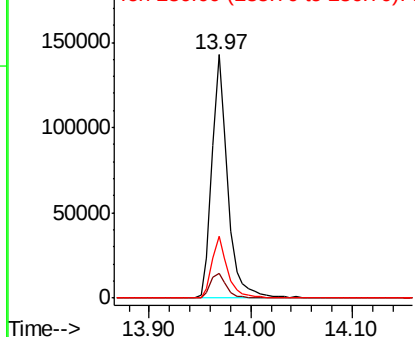


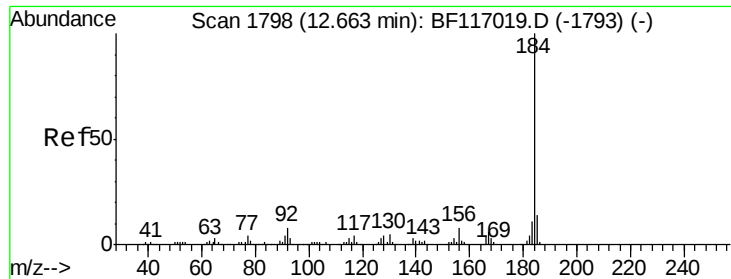
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF117097.D
Acq: 17 Sep 2019 11:03

Tgt Ion:240 Resp: 154707
Ion Ratio Lower Upper
240 100
120 9.9 8.3 12.5
236 25.3 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: 2.329 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.25 min

Lab File: BF117097.D

Acq: 17 Sep 2019 11:03

Instrument :

BNA_F

ClientSampleId :

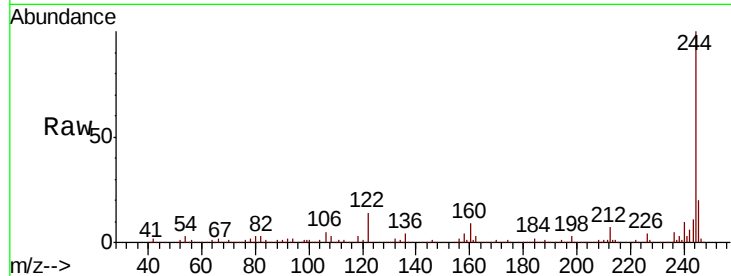
Tot Ion:184 Resp: 11606

Ion Ratio Lower Upper

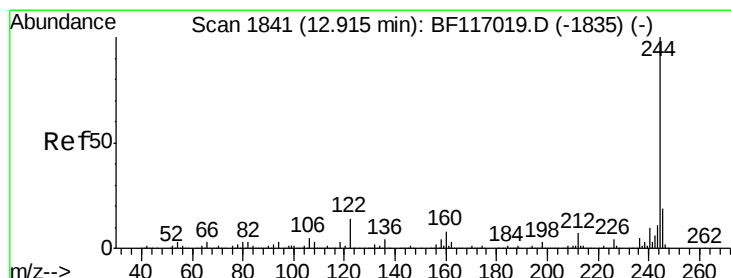
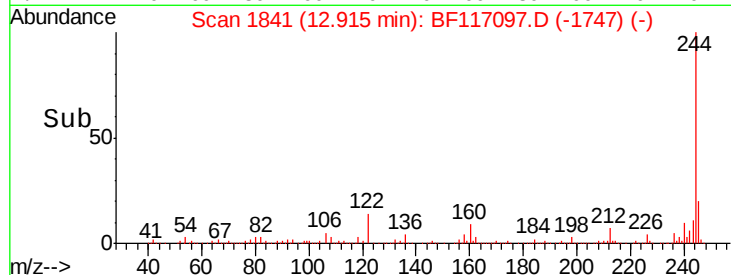
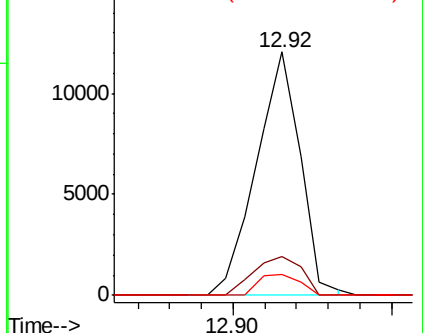
184 100

185 15.7 11.6 17.4

183 8.6 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: 91.126 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.00 min

Lab File: BF117097.D

Acq: 17 Sep 2019 11:03

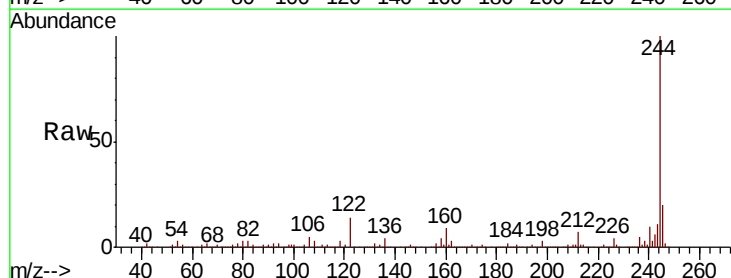
Tgt Ion:244 Resp: 754207

Ion Ratio Lower Upper

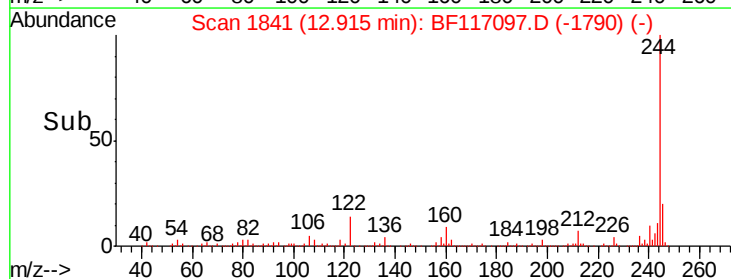
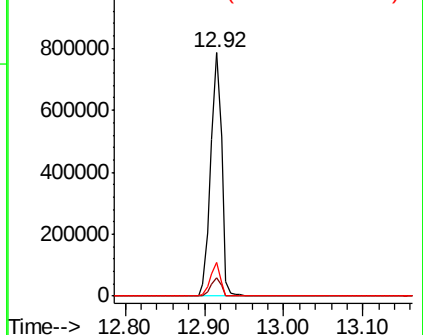
244 100

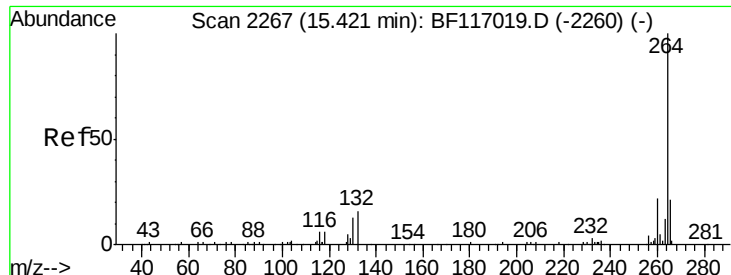
212 7.4 5.8 8.8

122 13.6 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: 15.42 min Scan# 2267
Delta R.T. -0.00 min
Lab File: BF117097.D
Acq: 17 Sep 2019 11:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.5	17.6	26.4
265	21.2	16.6	24.8

