

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091819\
 Data File : BF117141.D
 Acq On : 18 Sep 2019 12:01
 Operator : HP/JU
 Sample : PB123115BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 19 05:12:03 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

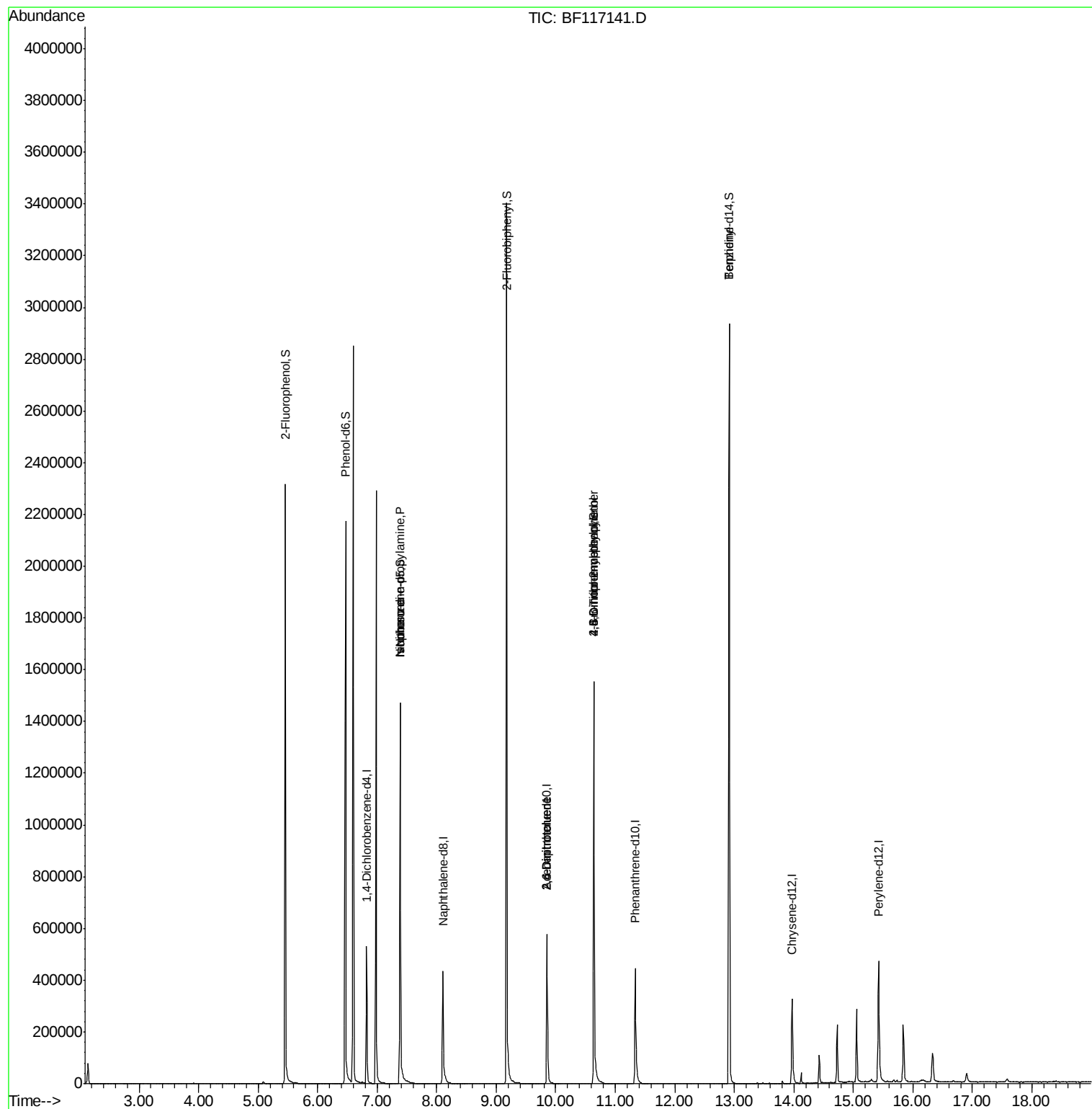
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	78594	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	311693	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	161945	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	265818	20.00	ng	0.00
76) Chrysene-d12	13.97	240	170812	20.00	ng	0.00
87) Perylene-d12	15.42	264	132329	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	716659	142.36	ng	0.02
7) Phenol-d6	6.47	99	962443	147.94	ng	0.01
23) Nitrobenzene-d5	7.39	82	615775	103.80	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	213297	157.59	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1102051	106.40	ng	0.00
79) Terphenyl-d14	12.92	244	1059973	115.99	ng	0.00
Target Compounds						
9) Benzaldehyde	6.46	77	1399	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.39	70	80375	20.289 ng	#	78
25) Isophorone	7.39	82	615771	58.625 ng	#	66
51) 2,6-Dinitrotoluene	9.85	165	19401	8.308 ng	#	24
57) 2,4-Dinitrotoluene	9.85	165	19401	6.400 ng	#	18
65) 4,6-Dinitro-2-methylphenol	10.64	198	258	7.085 ng	#	1
67) 4-Bromophenyl-phenylether	10.64	248	13409	4.940 ng	#	1
77) Benzidine	12.92	184	14760	2.683 ng	#	96

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

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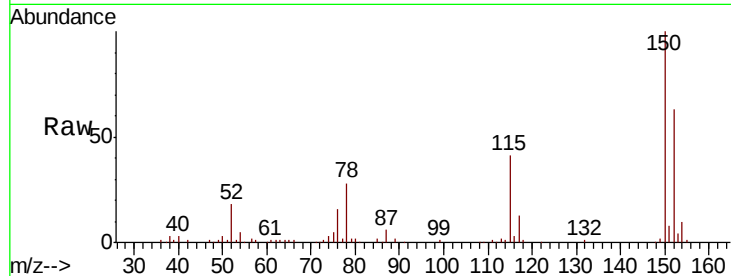


#1

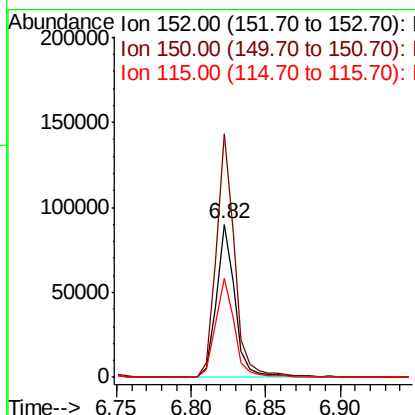
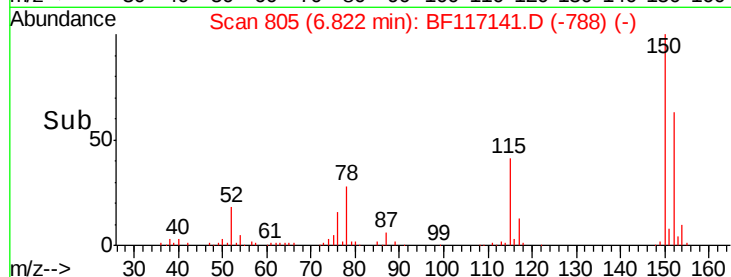
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117141.D
Acq: 18 Sep 2019 12:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 78594
Ion Ratio Lower Upper
152 100
150 159.2 127.5 191.3
115 64.9 55.0 82.4



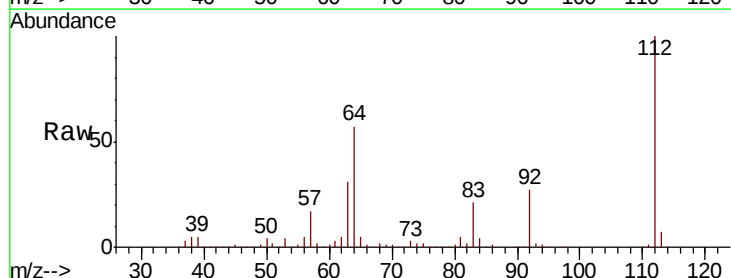
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



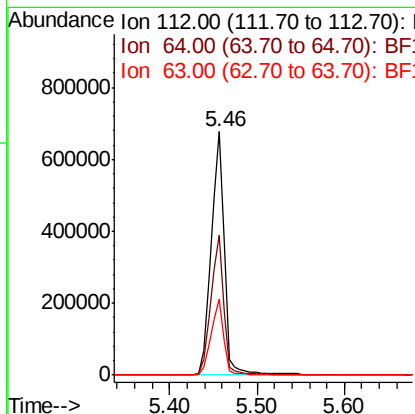
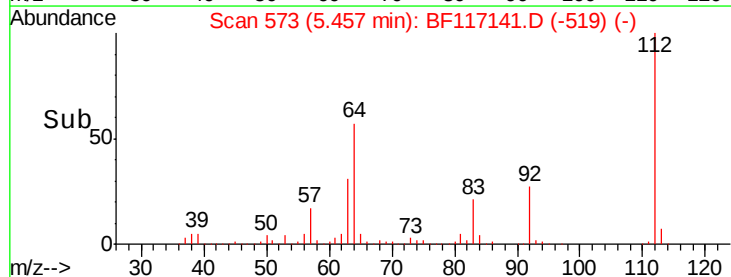
#5

2-Fluorophenol
Concen: 142.362 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.02 min
Lab File: BF117141.D
Acq: 18 Sep 2019 12:01

Tgt Ion:112 Resp: 716659
Ion Ratio Lower Upper
112 100
64 57.5 45.7 68.5
63 31.2 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: 147.936 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF117141.D

Acq: 18 Sep 2019 12:01

Instrument :

BNA_F

ClientSampleId :

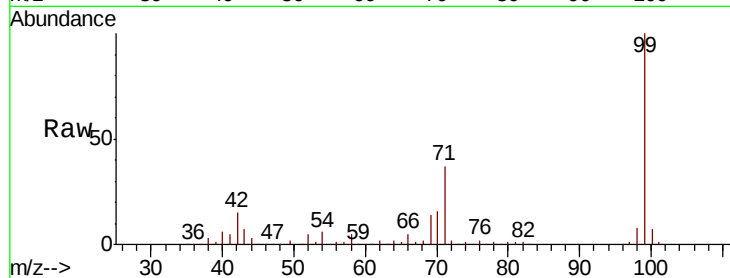
Tot Ion: 99 Resp: 962443

Ion Ratio Lower Upper

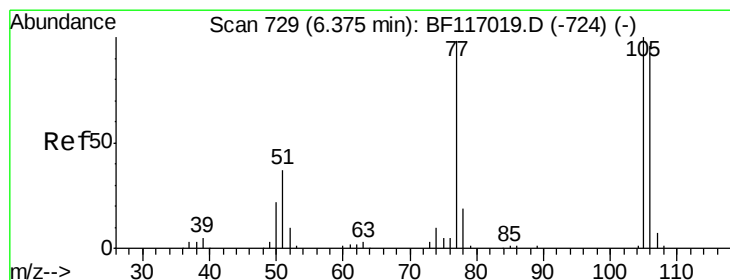
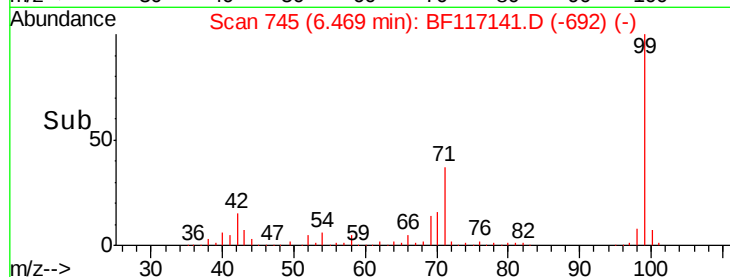
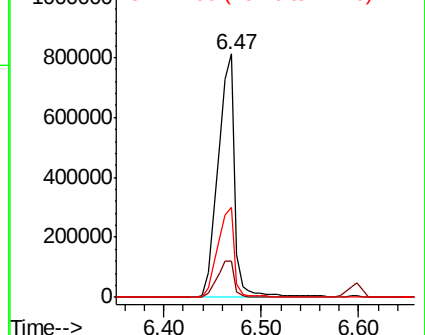
99 100

42 15.1 12.2 18.2

71 36.8 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# 744

Delta R.T. 0.09 min

Lab File: BF117141.D

Acq: 18 Sep 2019 12:01

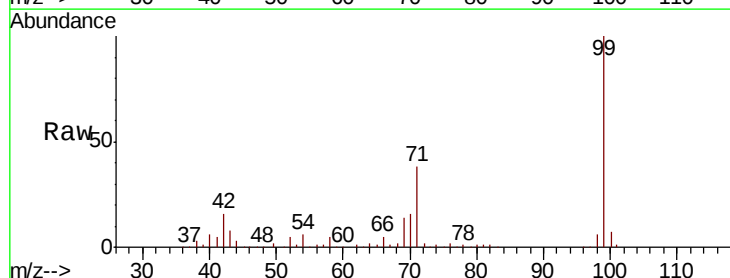
Tgt Ion: 77 Resp: 1399

Ion Ratio Lower Upper

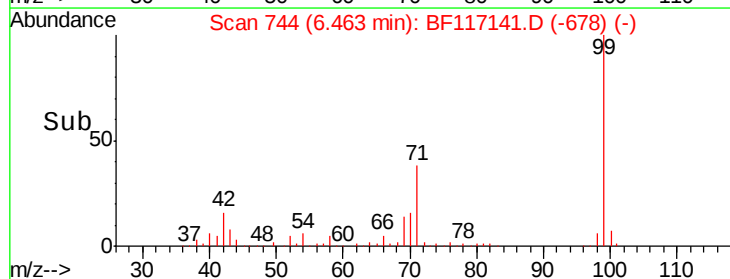
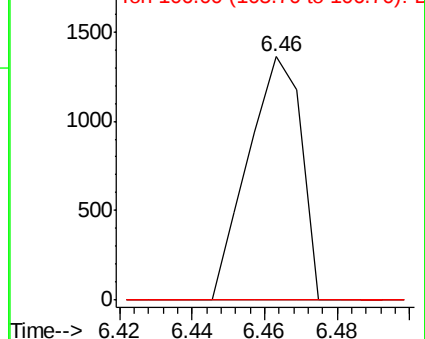
77 100

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

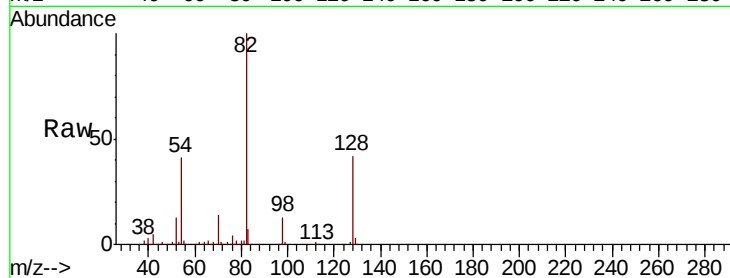




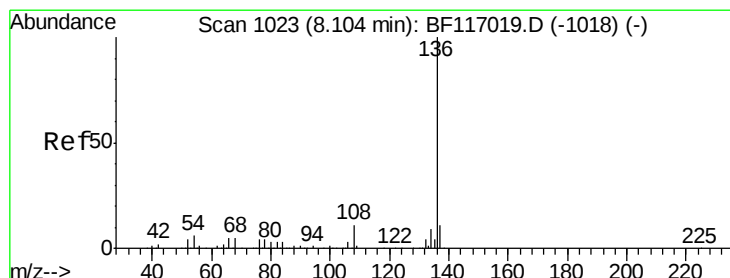
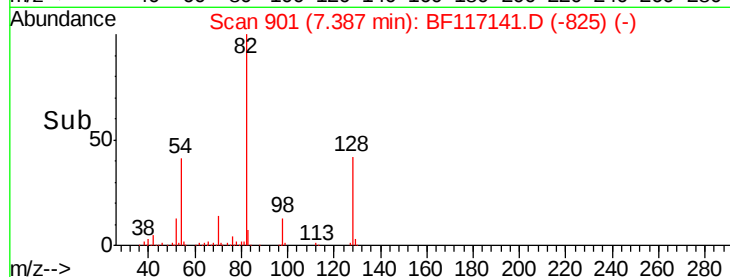
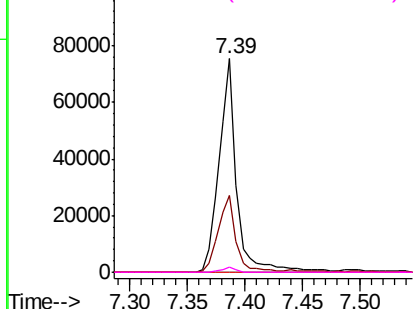
#19
n-Nitroso-di-n-propylamine
Concen: 20.289 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.15 min
Lab File: BF117141.D
Acq: 18 Sep 2019 12:01

Instrument :
BNA_F
ClientSampled :

Tot Ion: 70 Resp: 80375
Ion Ratio Lower Upper
70 100
42 36.0 34.0 51.0
101 0.0 7.8 11.6#
130 2.2 17.8 26.8#

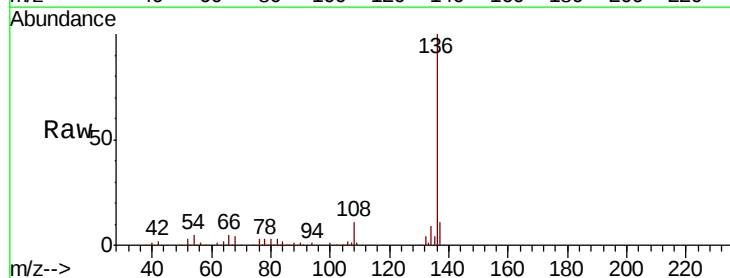


Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

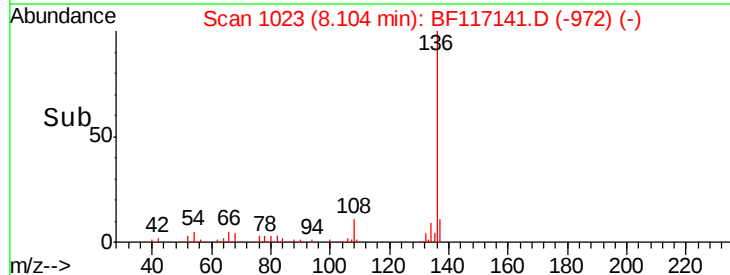
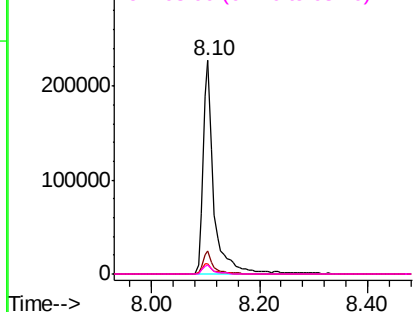


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF117141.D
Acq: 18 Sep 2019 12:01

Tgt Ion: 136 Resp: 311693
Ion Ratio Lower Upper
136 100
137 10.6 9.0 13.4
54 4.9 4.5 6.7
68 4.4 4.0 6.0



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

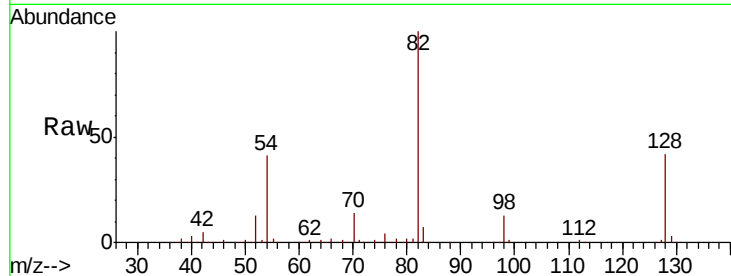




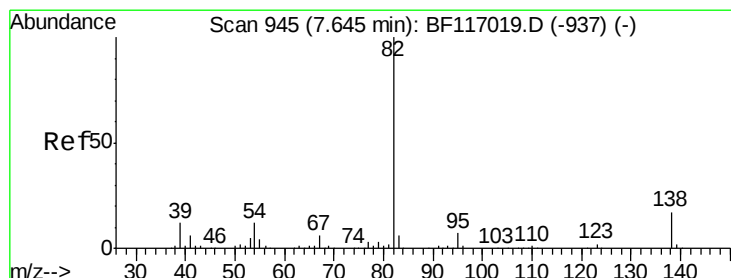
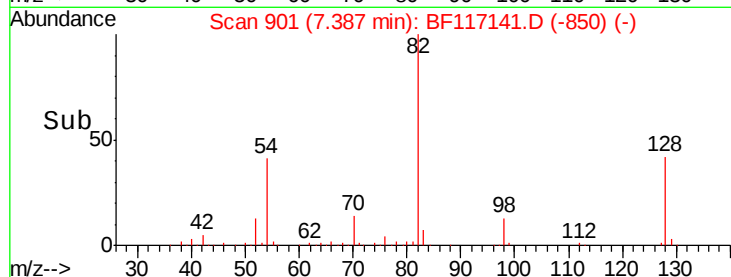
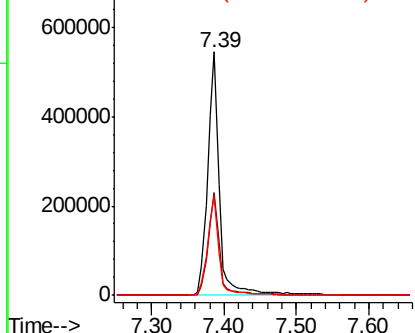
#23
 Nitrobenzene-d5
 Concen: 103.802 ng
 RT: 7.39 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: BF117141.D
 Acq: 18 Sep 2019 12:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	615775
Ion Ratio	100	Lower	Upper
128	42.1	32.3	48.5
54	40.8	33.3	49.9

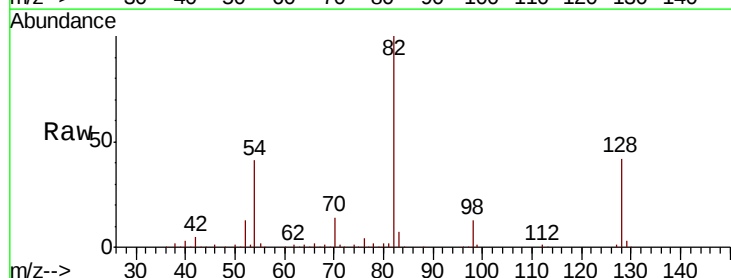


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

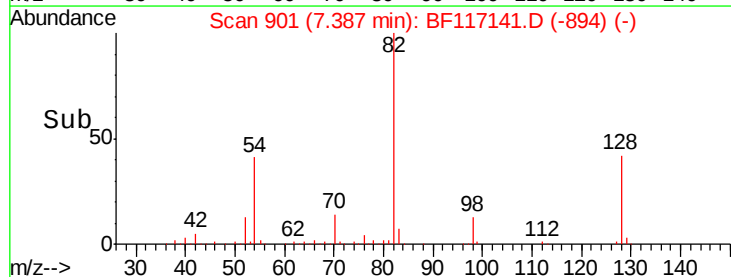
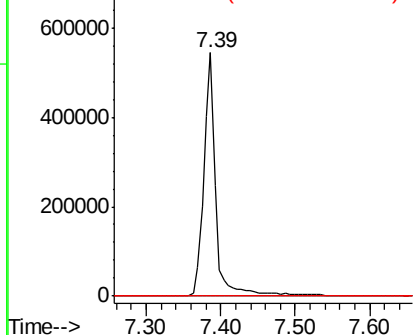


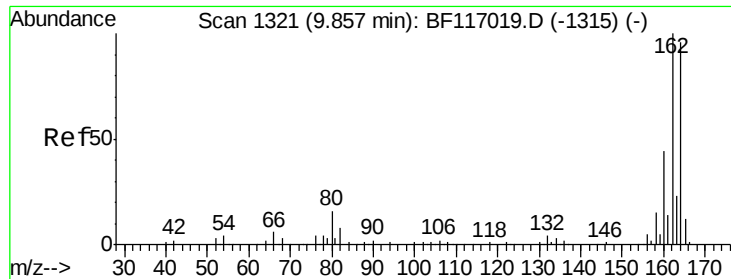
#25
 Isophorone
 Concen: 58.625 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.26 min
 Lab File: BF117141.D
 Acq: 18 Sep 2019 12:01

Tgt Ion	82	Resp	615771
Ion Ratio	100	Lower	Upper
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): BF1

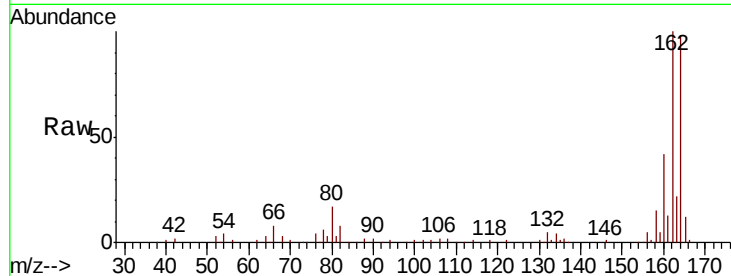




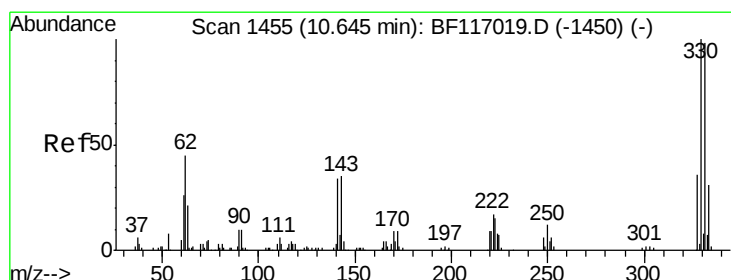
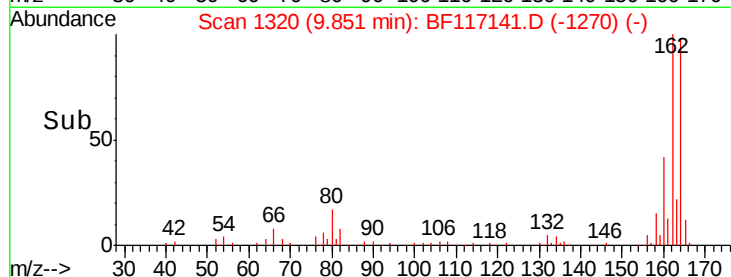
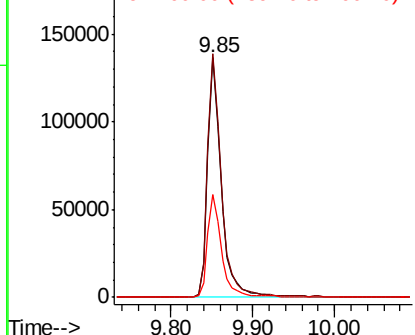
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF117141.D
Acq: 18 Sep 2019 12:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 161945
Ion Ratio Lower Upper
164 100
162 101.8 83.4 125.2
160 42.8 36.4 54.6

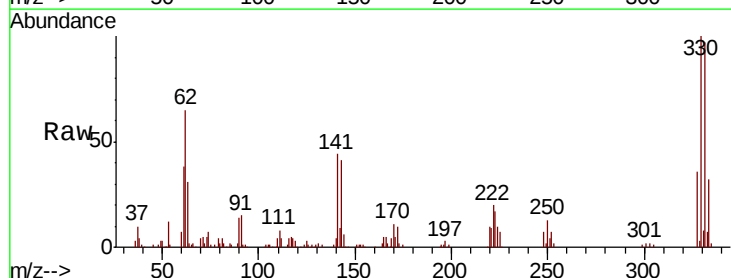


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

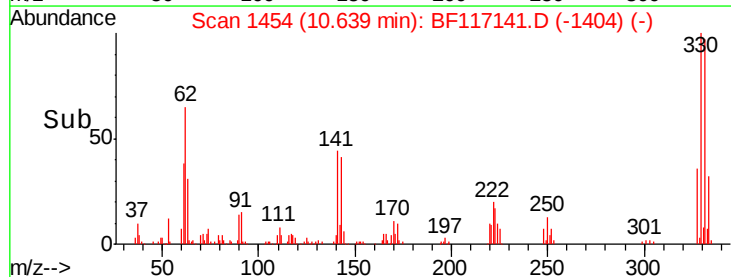
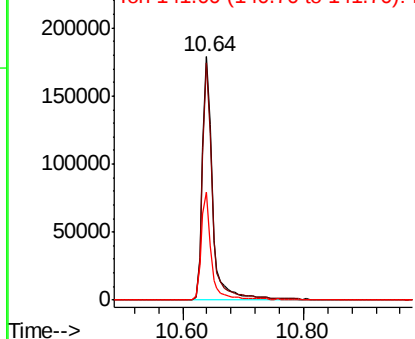


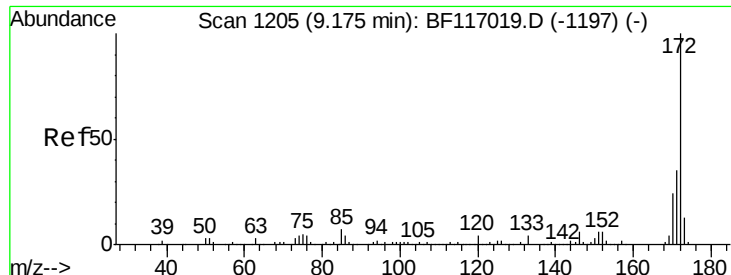
#42
2,4,6-Tribromophenol
Concen: 157.590 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF117141.D
Acq: 18 Sep 2019 12:01

Tgt Ion:330 Resp: 213297
Ion Ratio Lower Upper
330 100
332 96.3 78.0 117.0
141 42.9 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



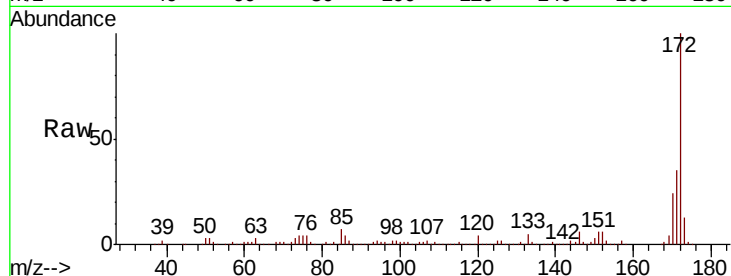


#45
 2-Fluorobiphenyl
 Concen: 106.403 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF117141.D
 Acq: 18 Sep 2019 12:01

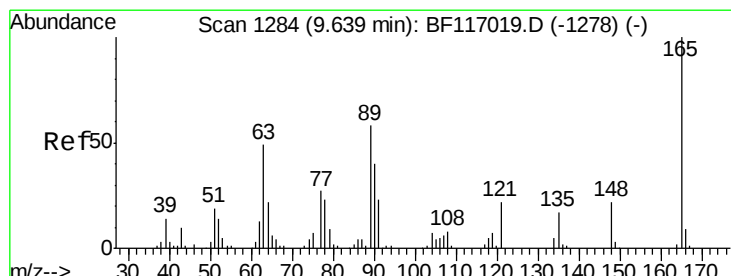
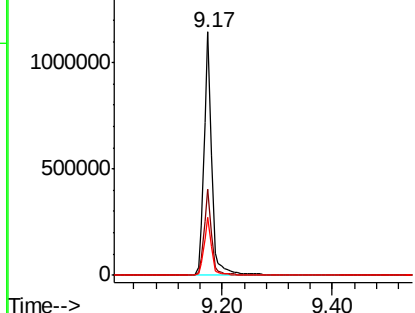
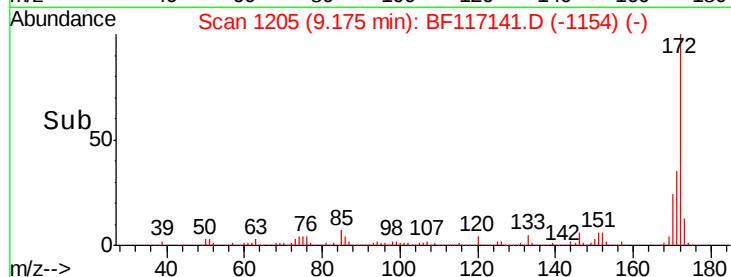
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1102051

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.2	42.2
170	23.8	18.9	28.3



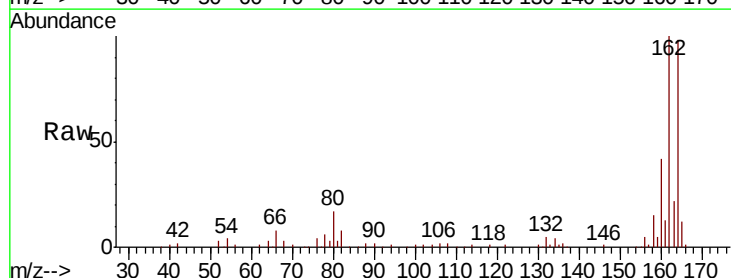
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



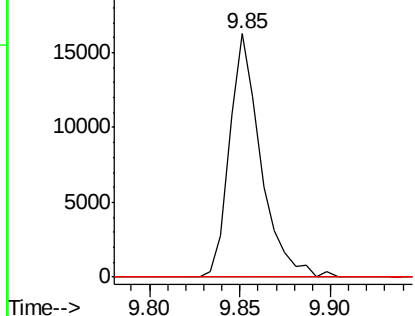
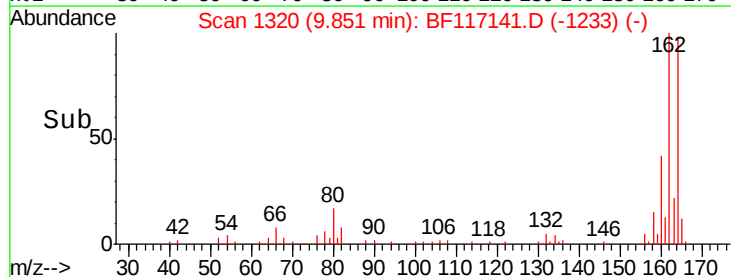
#51
 2,6-Dinitrotoluene
 Concen: 8.308 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.21 min
 Lab File: BF117141.D
 Acq: 18 Sep 2019 12:01

Tgt Ion:165 Resp: 19401

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

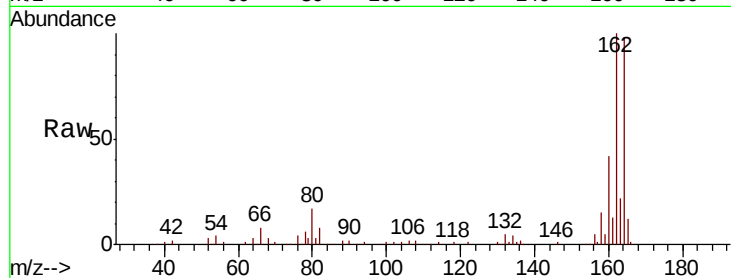




#57
 2,4-Dinitrotoluene
 Concen: 6.400 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF117141.D
 Acq: 18 Sep 2019 12:01

Instrument :
 BNA_F
 ClientSampleId :

Tot 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#



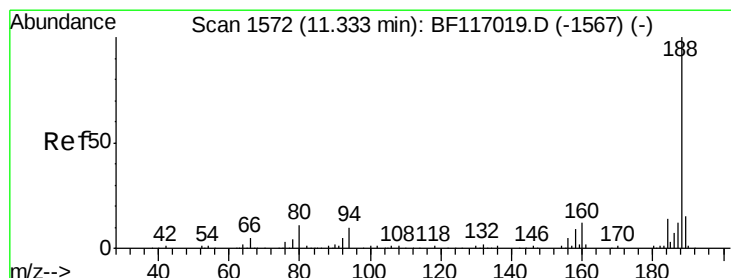
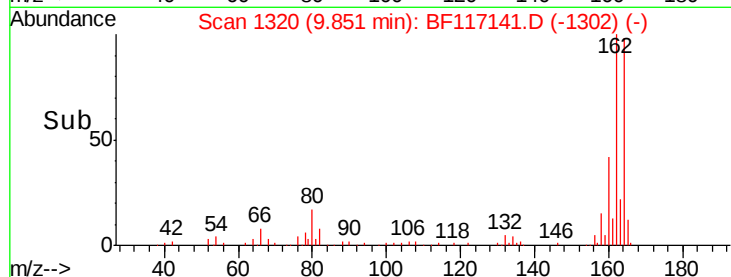
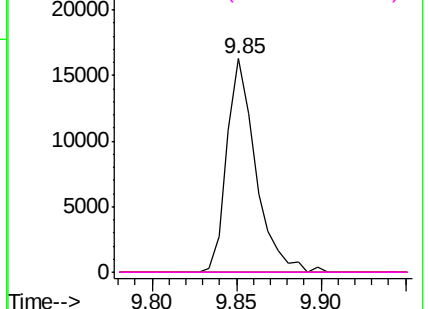
Abundance

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: BF117141.D
 Acq: 18 Sep 2019 12:01

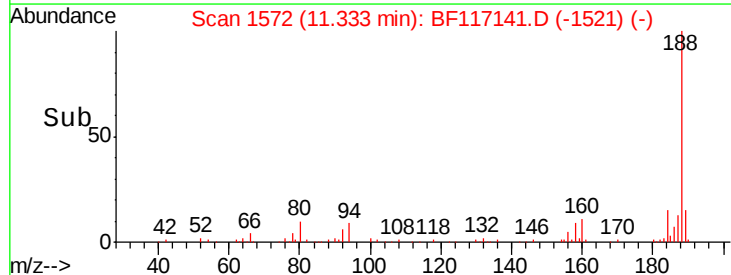
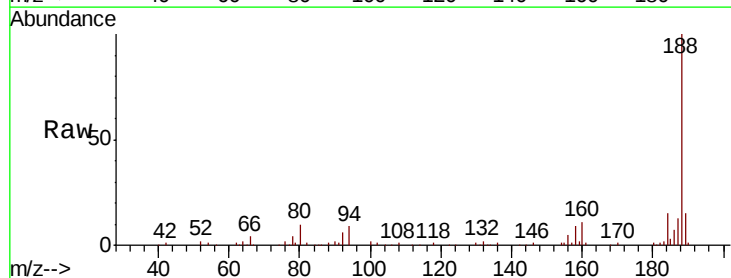
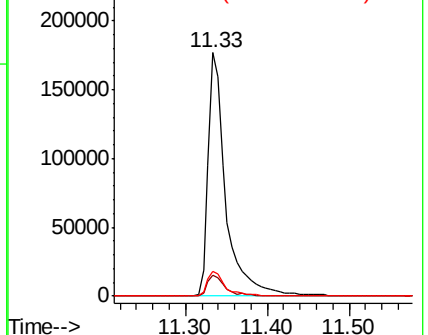
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	8.2	12.2
80	10.2	9.0	13.6

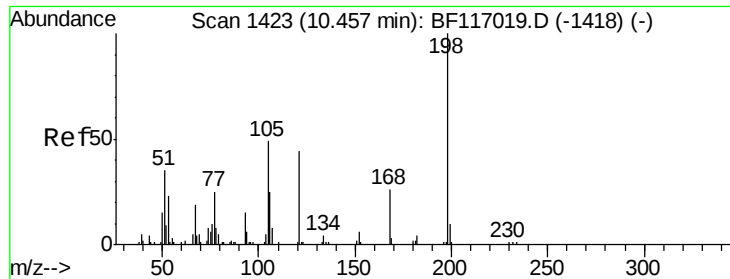
Abundance

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

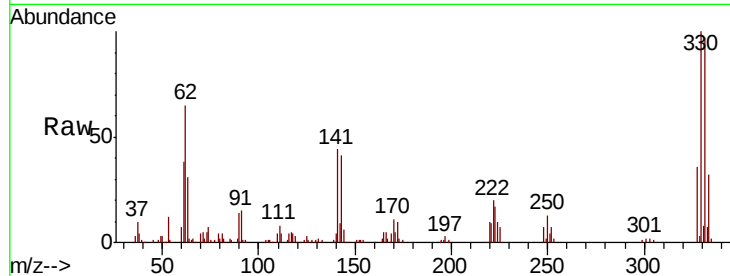




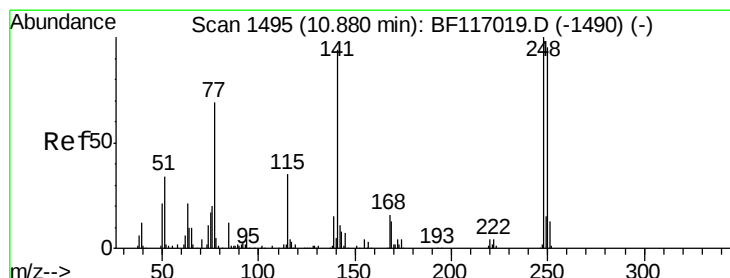
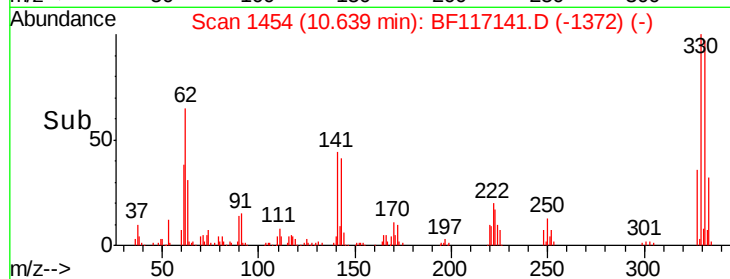
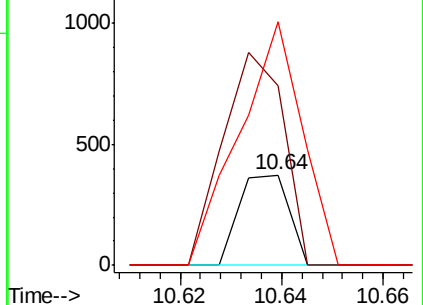
#65
4,6-Dinitro-2-methylphenol
Concen: 7.085 ng
RT: 10.64 min Scan# 1454
Delta R.T. 0.18 min
Lab File: BF117141.D
Acq: 18 Sep 2019 12:01

Instrument :
BNA_F
ClientSampled :

Tot Ion:198 Resp: 258
Ion Ratio Lower Upper
198 100
51 199.5 18.7 58.7#
105 269.7 30.2 70.2#

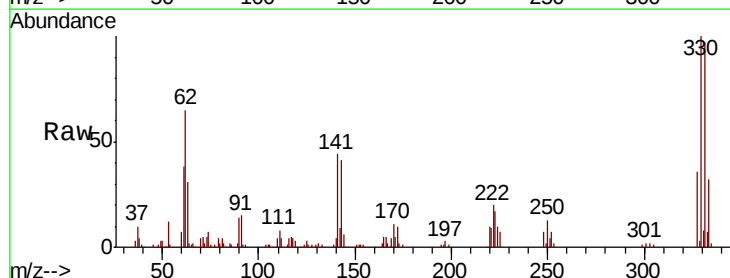


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

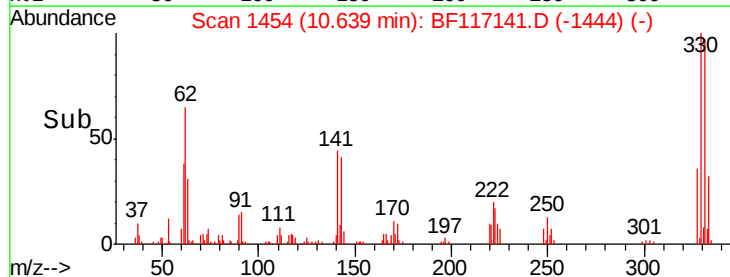
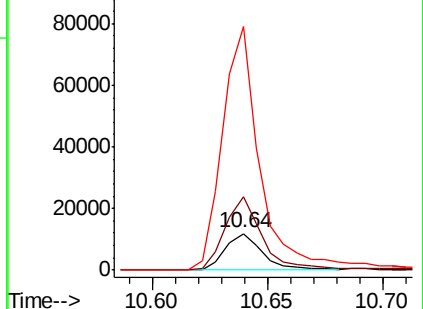


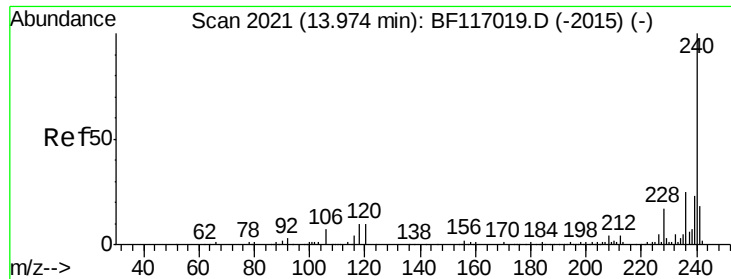
#67
4-Bromophenyl-phenylether
Concen: 4.940 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.24 min
Lab File: BF117141.D
Acq: 18 Sep 2019 12:01

Tgt Ion:248 Resp: 13409
Ion Ratio Lower Upper
248 100
250 200.6 76.2 114.4#
141 664.0 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

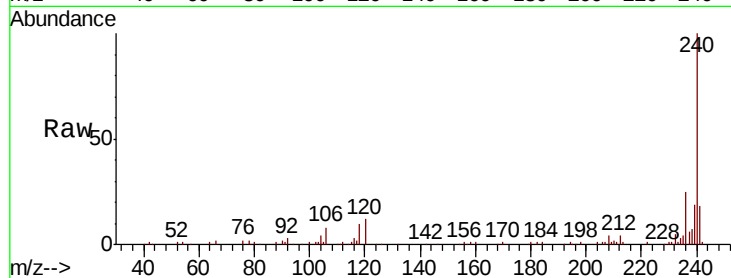




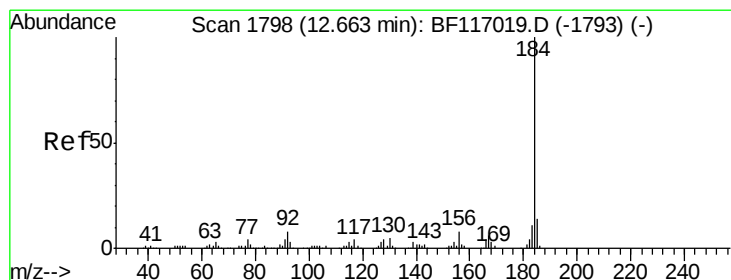
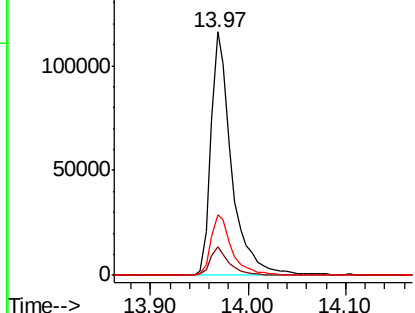
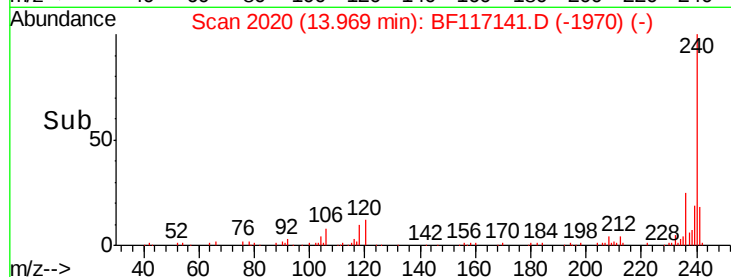
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF117141.D
Acq: 18 Sep 2019 12:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 170812
Ion Ratio Lower Upper
240 100
120 11.9 8.3 12.5
236 25.1 20.3 30.5

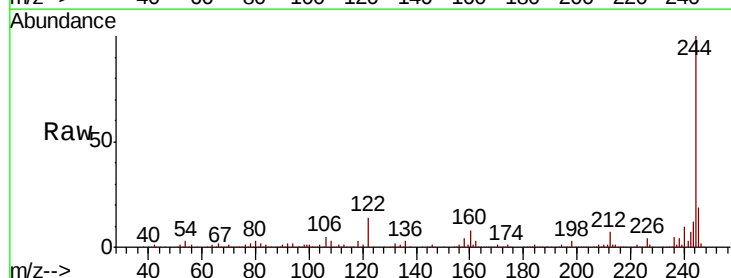


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

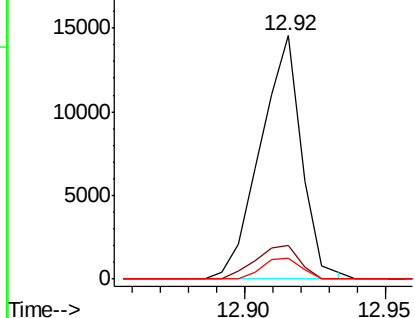
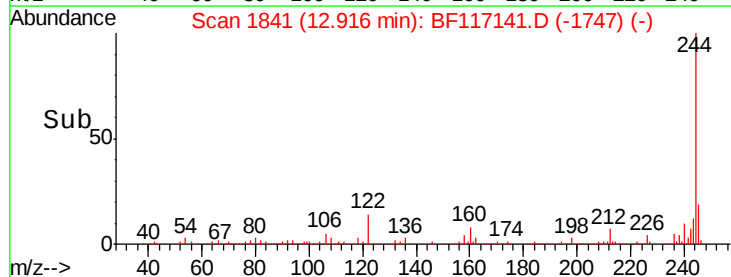


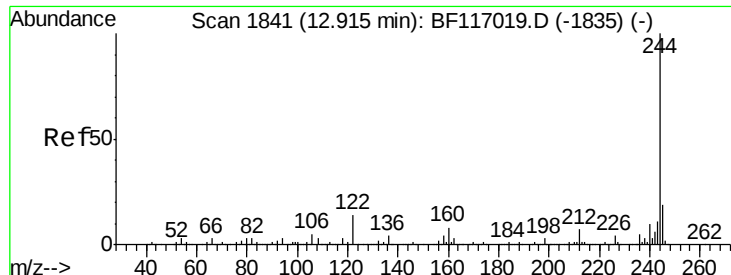
#77
Benzidine
Concen: 2.683 ng
RT: 12.92 min Scan# 1841
Delta R.T. 0.25 min
Lab File: BF117141.D
Acq: 18 Sep 2019 12:01

Tgt Ion:184 Resp: 14760
Ion Ratio Lower Upper
184 100
185 13.7 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

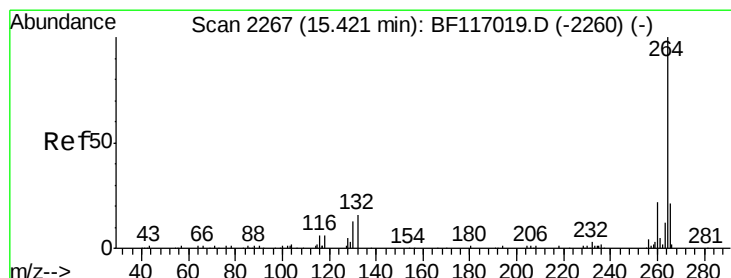
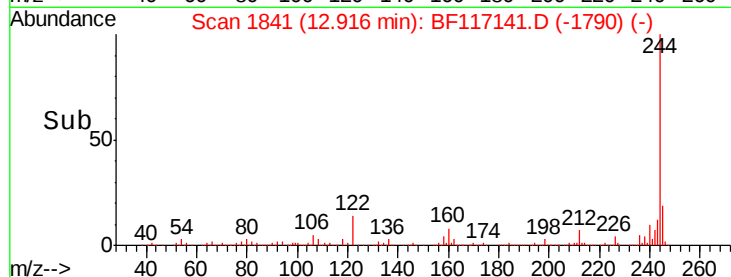
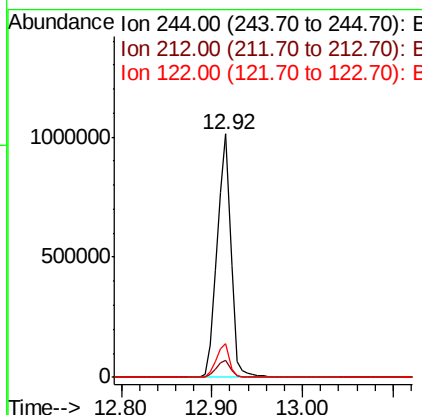
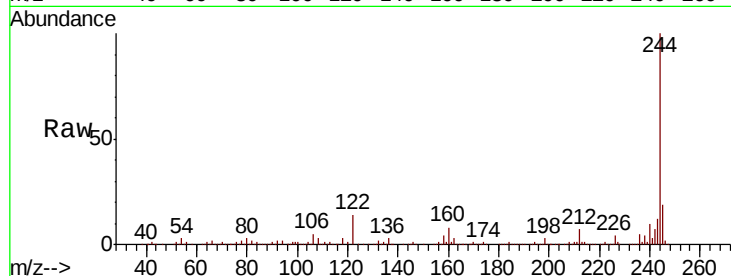




#79
 Terphenyl-d14
 Concen: 115.994 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: BF117141.D
 Acq: 18 Sep 2019 12:01

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 1059973
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.8
 122 13.8 11.3 16.9



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.42 min Scan# 2267
 Delta R.T. 0.00 min
 Lab File: BF117141.D
 Acq: 18 Sep 2019 12:01

Tgt Ion:264 Resp: 132329
 Ion Ratio Lower Upper
 264 100
 260 23.0 17.6 26.4
 265 21.3 16.6 24.8

