

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091719\
 Data File : BF117103.D
 Acq On : 17 Sep 2019 13:44
 Operator : HP/JU
 Sample : K4887-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 18 03:49:27 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	56853	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	223007	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	117703	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	198719	20.00	ng	0.00
76) Chrysene-d12	13.97	240	145236	20.00	ng	0.00
87) Perylene-d12	15.42	264	123608	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	194905	53.52	ng	0.00
7) Phenol-d6	6.46	99	157655	33.50	ng	0.00
23) Nitrobenzene-d5	7.39	82	427924	100.82	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	150435	152.92	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	761784	101.20	ng	0.00
79) Terphenyl-d14	12.92	244	755058	97.18	ng	0.00

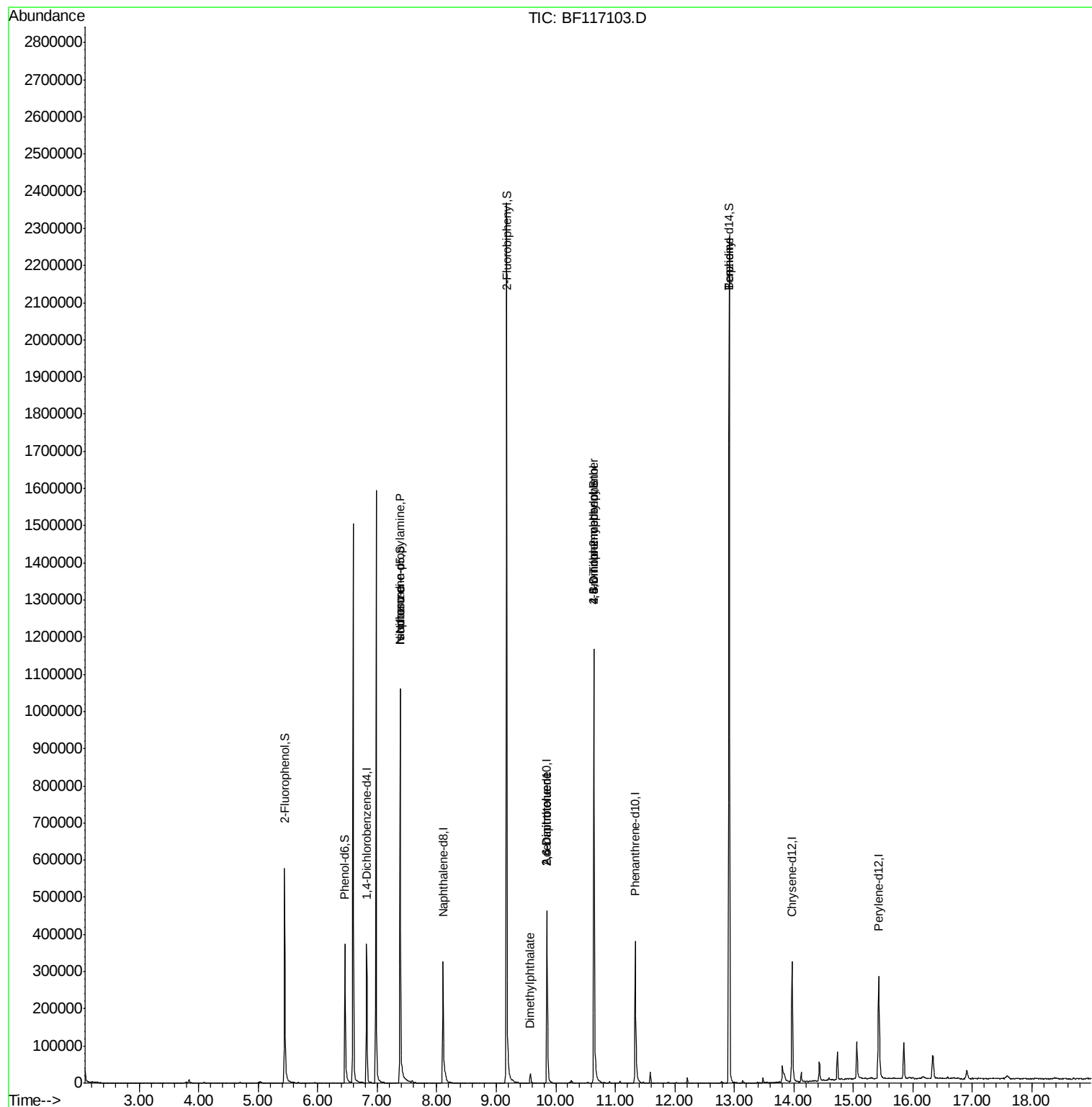
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.60	77	10434	Below Cal		# 75
19) n-Nitroso-di-n-propylamine	7.39	70	56852	19.839	ng	# 78
25) Isophorone	7.39	82	427960	56.948	ng	# 66
50) Dimethylphthalate	9.57	163	17138	2.056	ng	# 98
51) 2,6-Dinitrotoluene	9.85	165	14678	8.648	ng	# 24
57) 2,4-Dinitrotoluene	9.85	165	14678	6.662	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.64	198	135	7.030	ng	# 1
67) 4-Bromophenyl-phenylether	10.64	248	8980	4.425	ng	# 1
77) Benzidine	12.92	184	10576	2.261	ng	# 96

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

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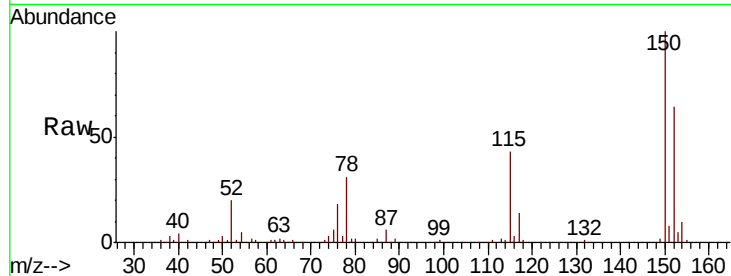


#1

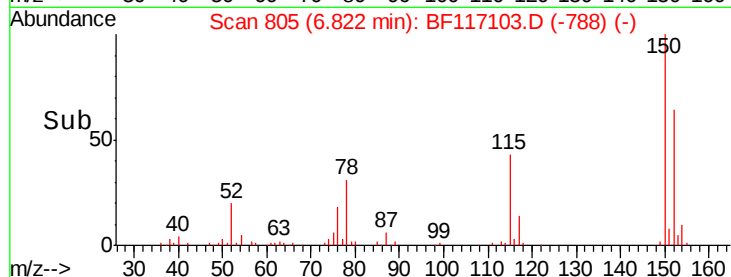
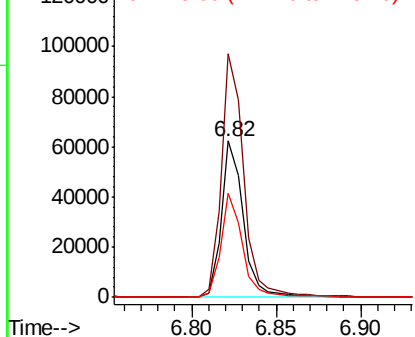
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.00 min
Lab File: BF117103.D
Acq: 17 Sep 2019 13:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 56853
Ion Ratio Lower Upper
152 100
150 155.9 127.5 191.3
115 67.1 55.0 82.4



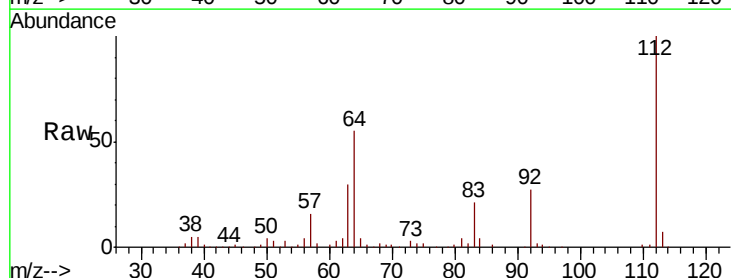
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



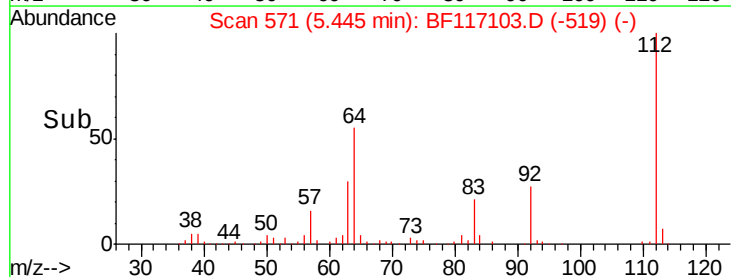
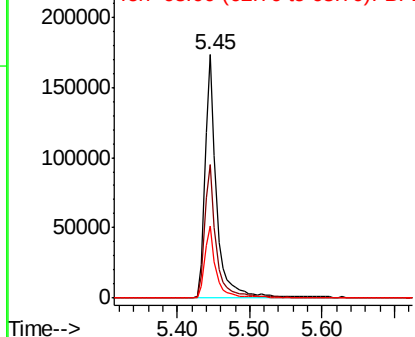
#5

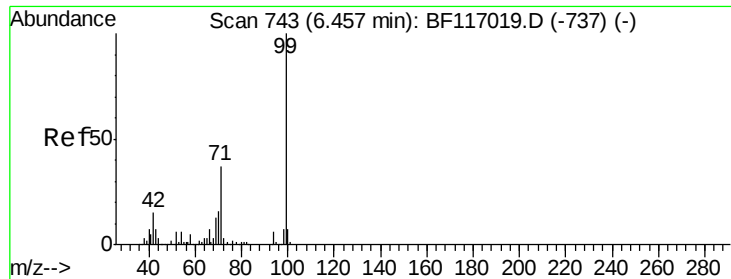
2-Fluorophenol
Concen: 53.523 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF117103.D
Acq: 17 Sep 2019 13:44

Tgt Ion:112 Resp: 194905
Ion Ratio Lower Upper
112 100
64 54.8 45.7 68.5
63 29.7 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: 33.500 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.00 min

Lab File: BF117103.D

Acq: 17 Sep 2019 13:44

Instrument :

BNA_F

ClientSampleId :

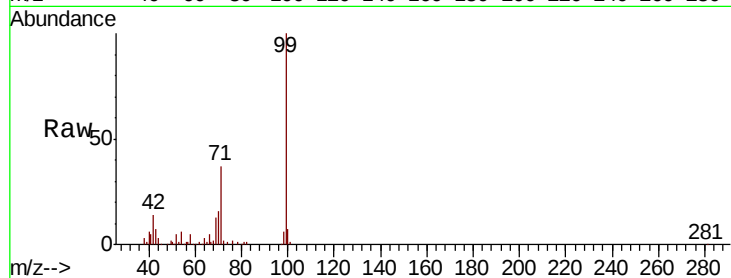
Tot Ion: 99 Resp: 157655

Ion Ratio Lower Upper

99 100

42 14.4 12.2 18.2

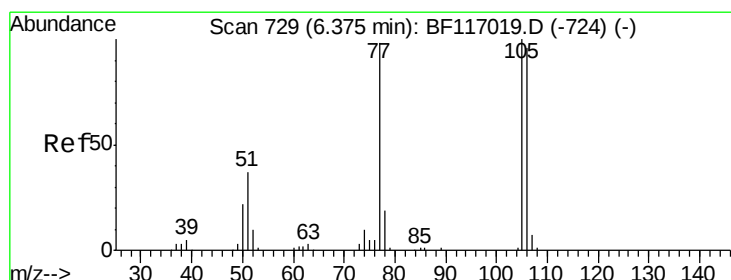
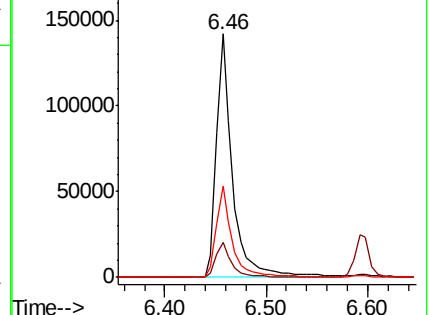
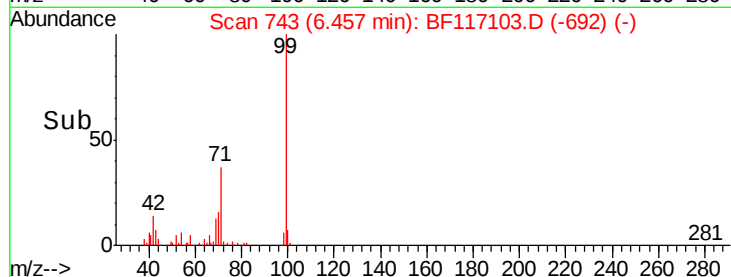
71 37.3 29.8 44.8



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: BF117103.D

Acq: 17 Sep 2019 13:44

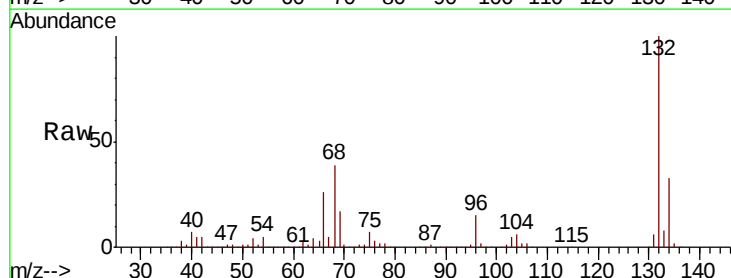
Tgt Ion: 77 Resp: 10434

Ion Ratio Lower Upper

77 100

105 80.0 81.8 121.8#

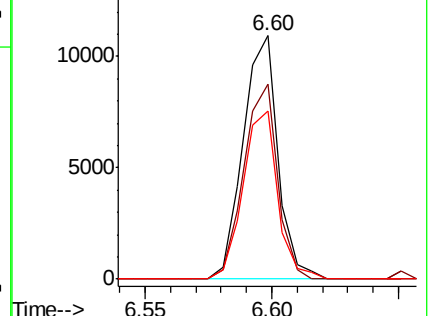
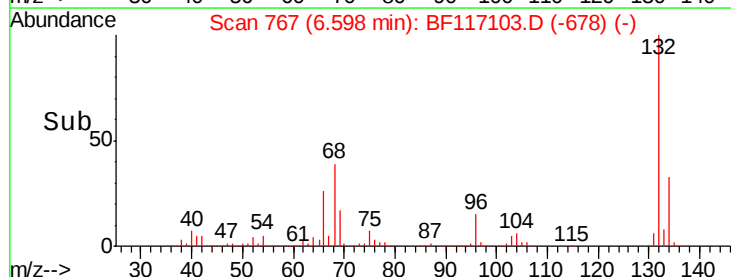
106 69.0 77.3 117.3#

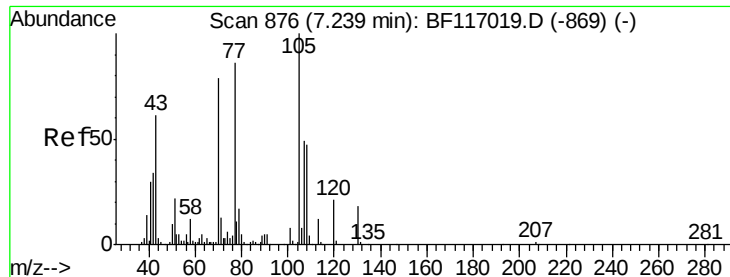


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

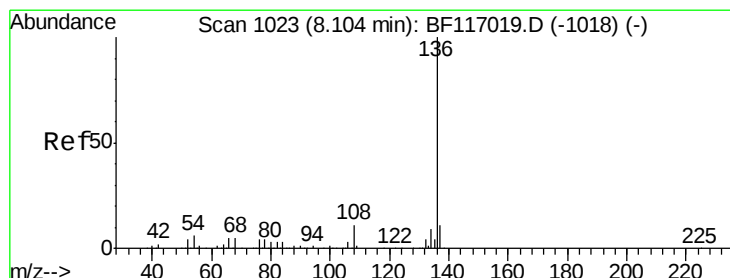
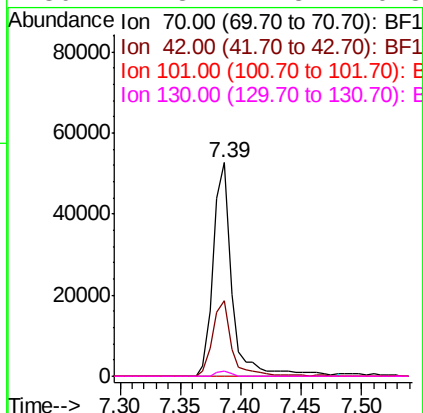
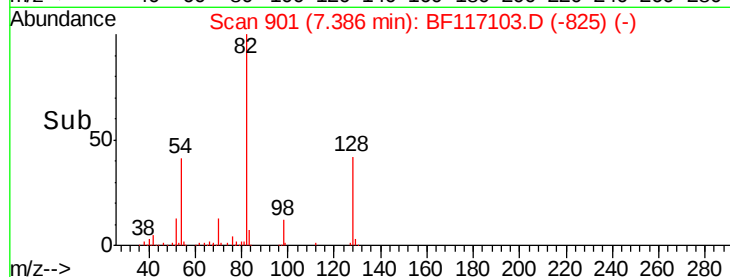
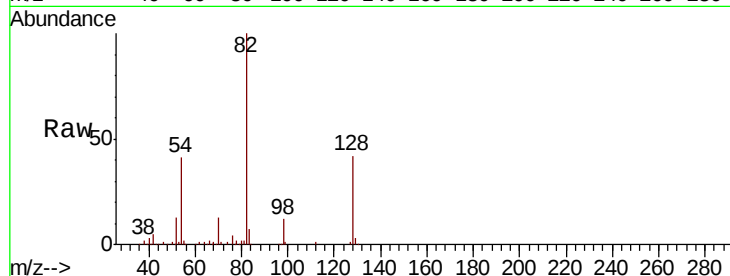




#19
n-Nitroso-di-n-propylamine
Concen: 19.839 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.15 min
Lab File: BF117103.D
Acq: 17 Sep 2019 13:44

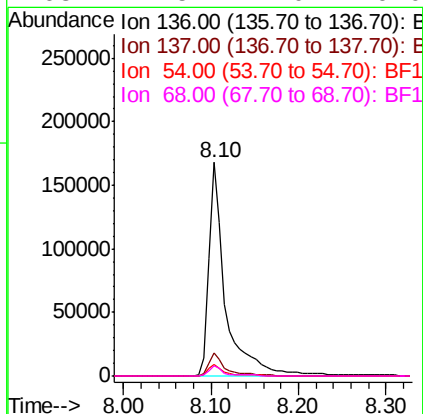
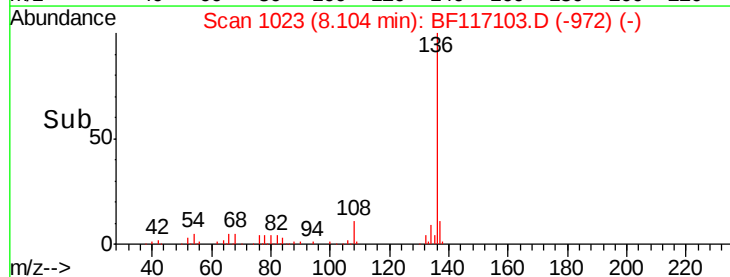
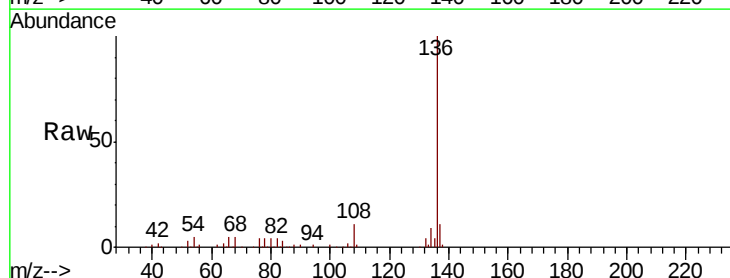
Instrument :
BNA_F
ClientSampleId :

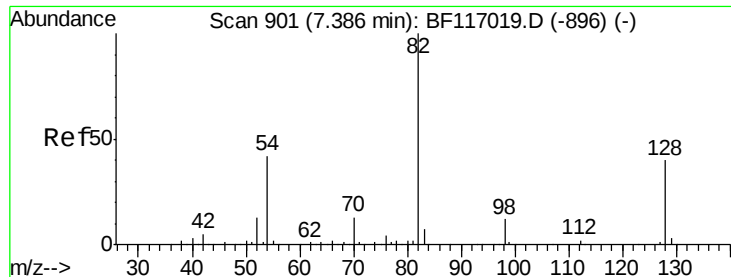
Tot Ion: 70 Resp: 56852
Ion Ratio Lower Upper
70 100
42 35.4 34.0 51.0
101 0.0 7.8 11.6#
130 2.3 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.00 min
Lab File: BF117103.D
Acq: 17 Sep 2019 13:44

Tgt Ion:136 Resp: 223007
Ion Ratio Lower Upper
136 100
137 10.6 9.0 13.4
54 5.1 4.5 6.7
68 4.5 4.0 6.0

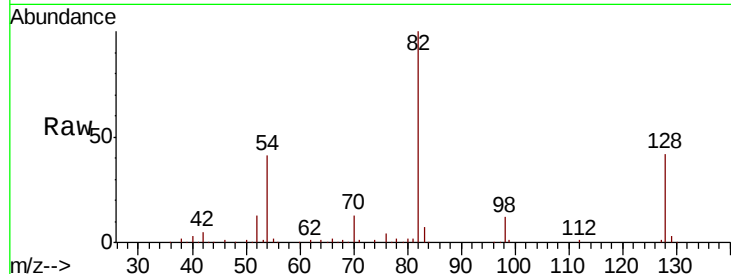




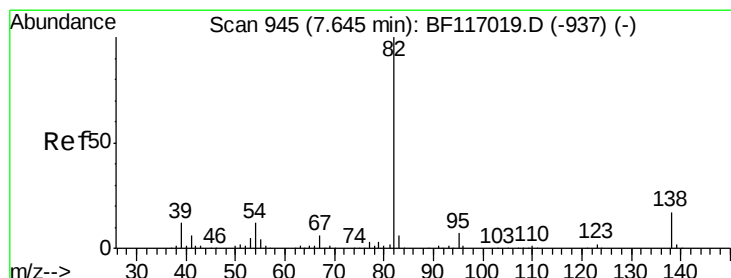
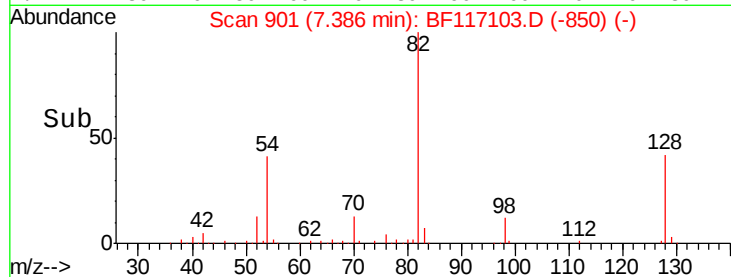
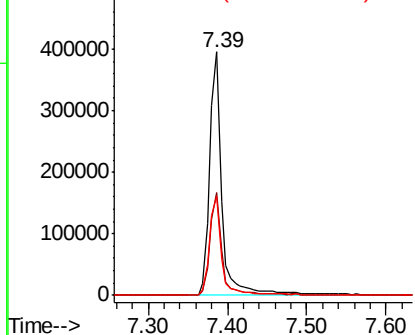
#23
 Nitrobenzene-d5
 Concen: 100.823 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.00 min
 Lab File: BF117103.D
 Acq: 17 Sep 2019 13:44

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	82	Resp	427924
Ion Ratio	Lower	Upper	
82	100		
128	42.1	32.3	48.5
54	40.7	33.3	49.9

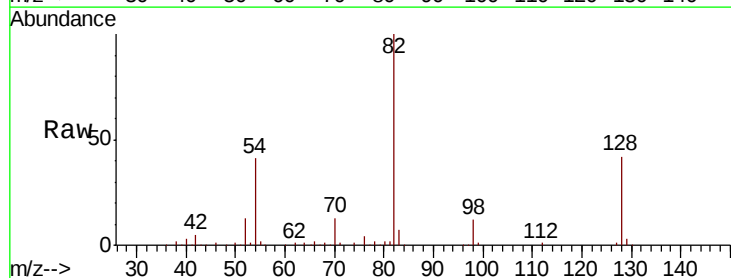


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

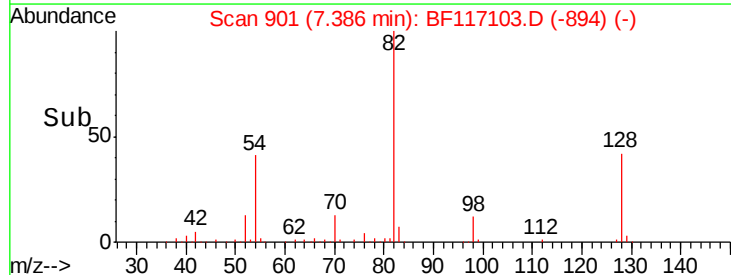
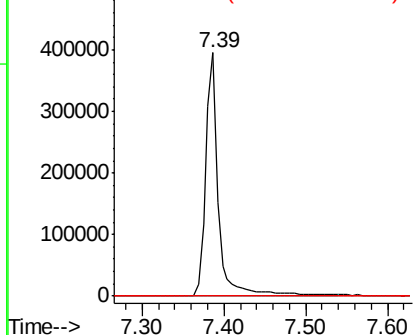


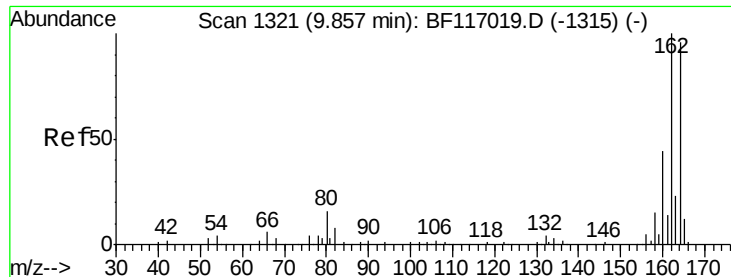
#25
 Isophorone
 Concen: 56.948 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.26 min
 Lab File: BF117103.D
 Acq: 17 Sep 2019 13:44

Tgt Ion	82	Resp	427960
Ion Ratio	Lower	Upper	
82	100		
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

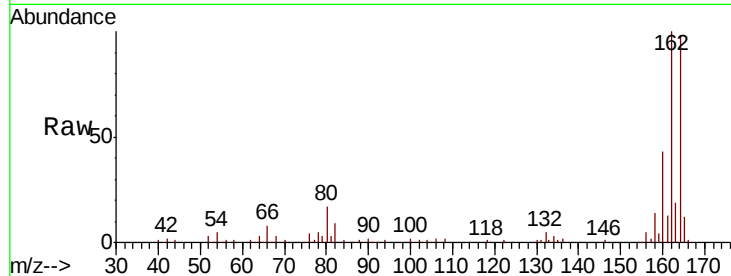




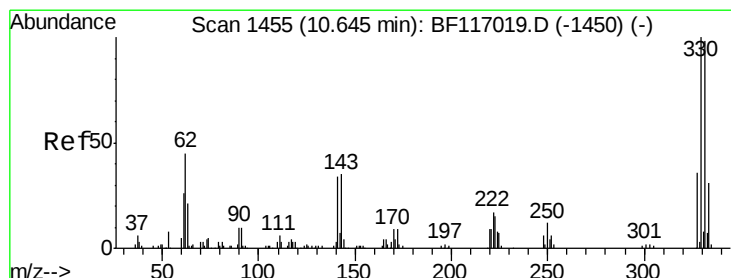
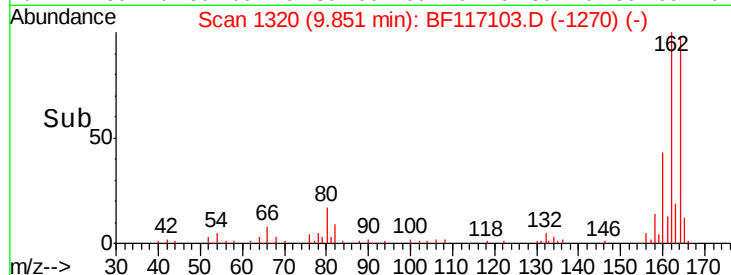
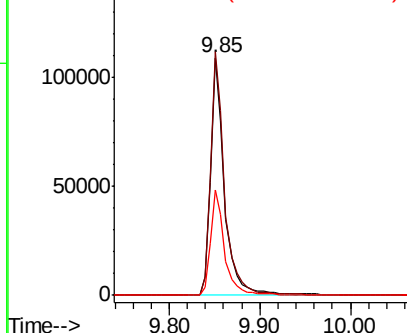
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF117103.D
Acq: 17 Sep 2019 13:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 117703
Ion Ratio Lower Upper
164 100
162 102.5 83.4 125.2
160 44.4 36.4 54.6

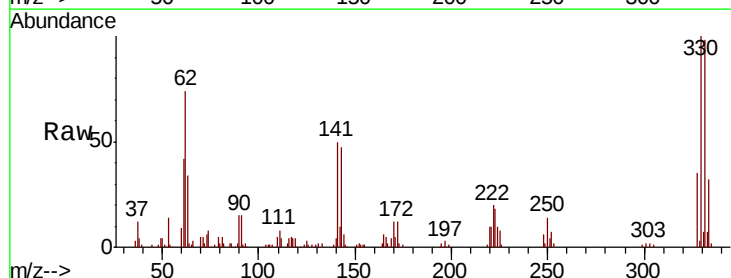


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

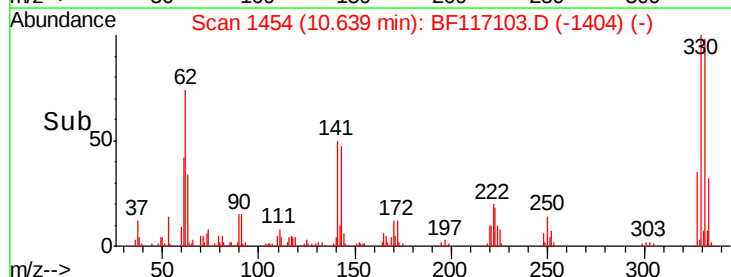
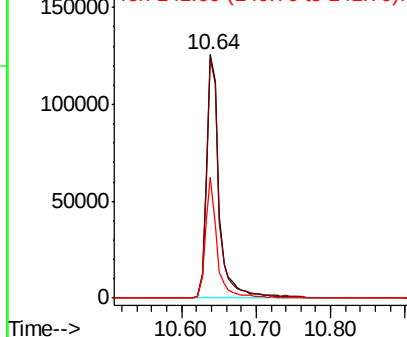


#42
2,4,6-Tribromophenol
Concen: 152.923 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF117103.D
Acq: 17 Sep 2019 13:44

Tgt Ion:330 Resp: 150435
Ion Ratio Lower Upper
330 100
332 96.9 78.0 117.0
141 45.2 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

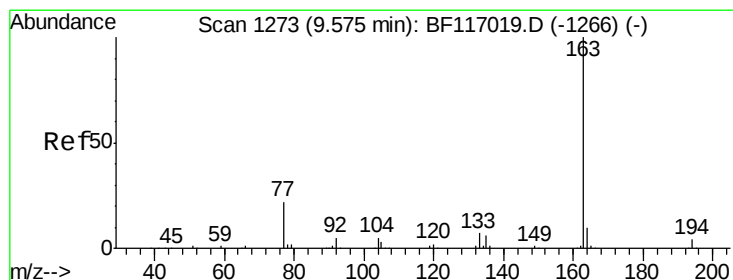
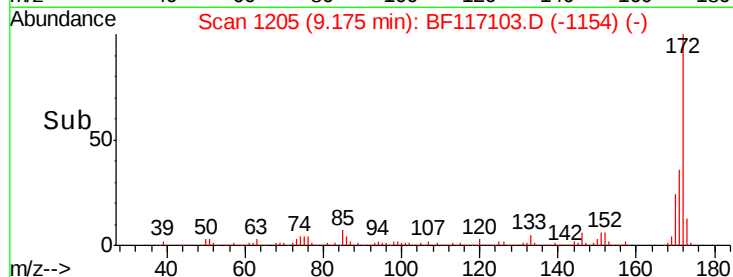
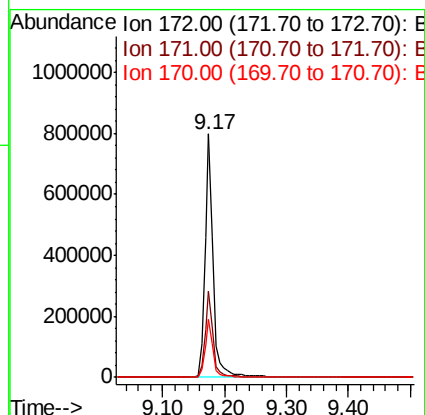
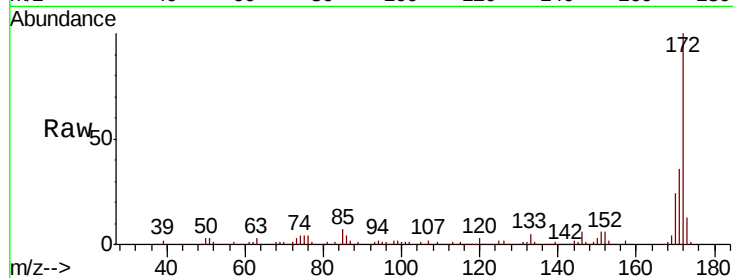




#45
2-Fluorobiphenyl
Concen: 101.196 ng
RT: 9.17 min Scan# 1205
Delta R.T. -0.00 min
Lab File: BF117103.D
Acq: 17 Sep 2019 13:44

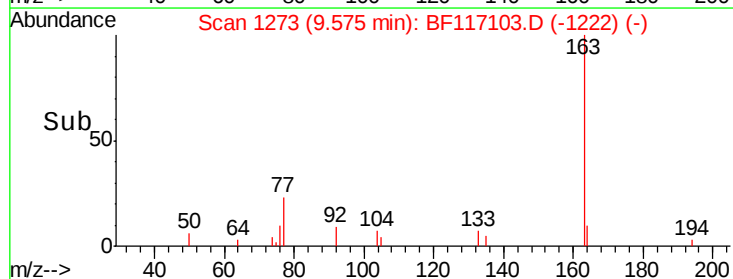
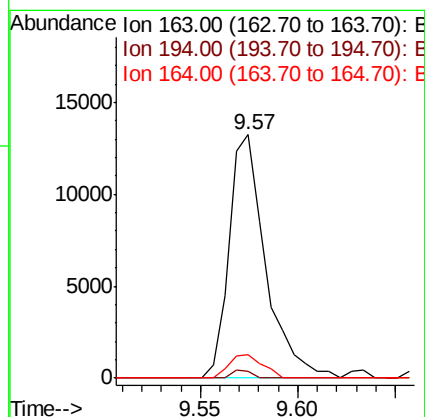
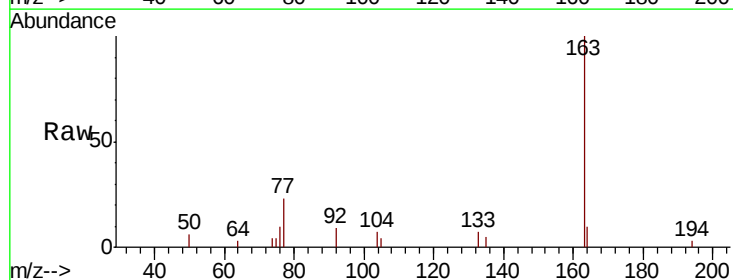
Instrument :
BNA_F
ClientSampled :

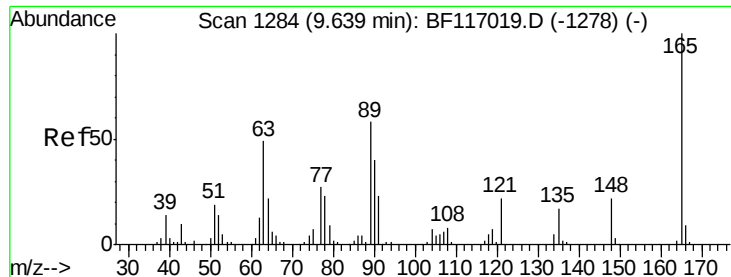
Tot Ion:172 Resp: 761784
Ion Ratio Lower Upper
172 100
171 35.6 28.2 42.2
170 24.1 18.9 28.3



#50
Dimethylphthalate
Concen: 2.056 ng
RT: 9.57 min Scan# 1273
Delta R.T. -0.00 min
Lab File: BF117103.D
Acq: 17 Sep 2019 13:44

Tgt Ion:163 Resp: 17138
Ion Ratio Lower Upper
163 100
194 3.0 2.9 4.3
164 9.6 8.2 12.4

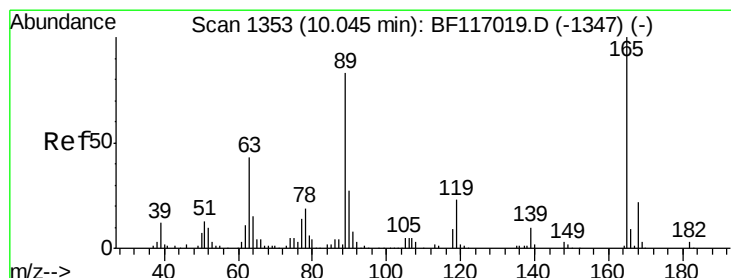
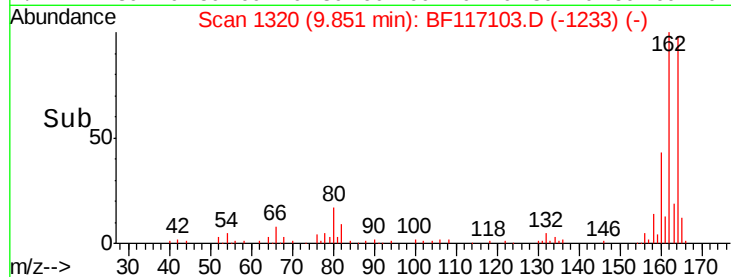
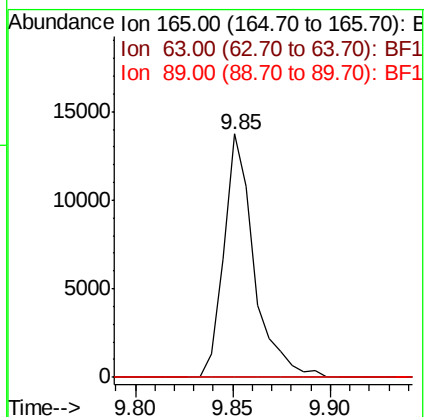
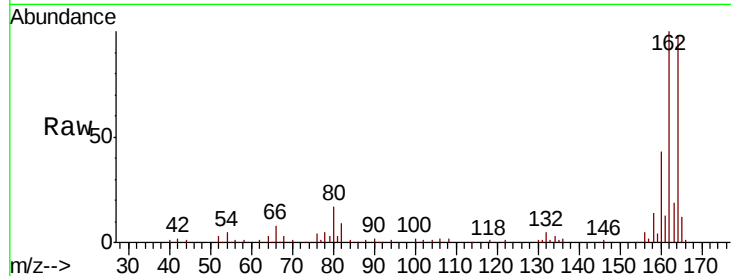




#51
 2,6-Dinitrotoluene
 Concen: 8.648 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.21 min
 Lab File: BF117103.D
 Acq: 17 Sep 2019 13:44

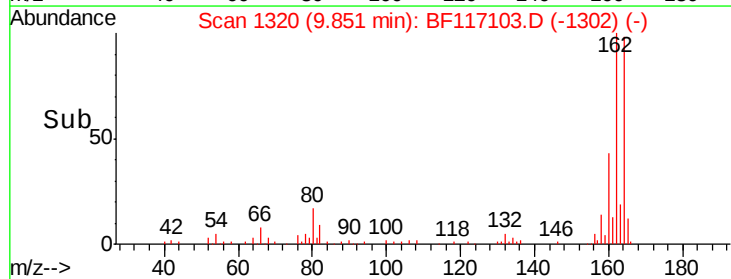
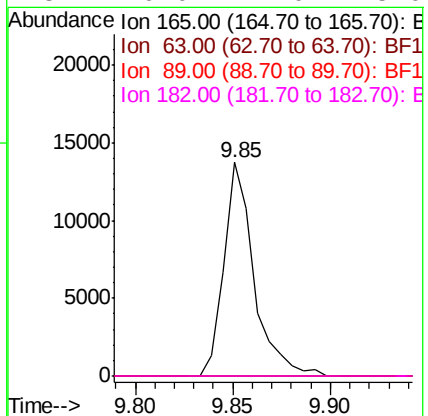
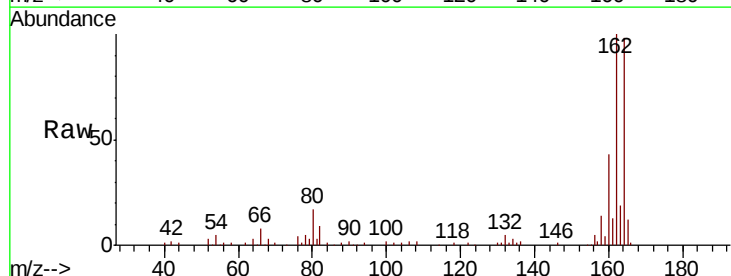
Instrument :
 BNA_F
 ClientSampleId :

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



#57
 2,4-Dinitrotoluene
 Concen: 6.662 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF117103.D
 Acq: 17 Sep 2019 13:44

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#

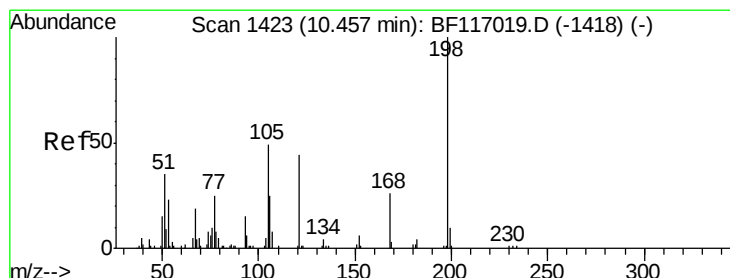
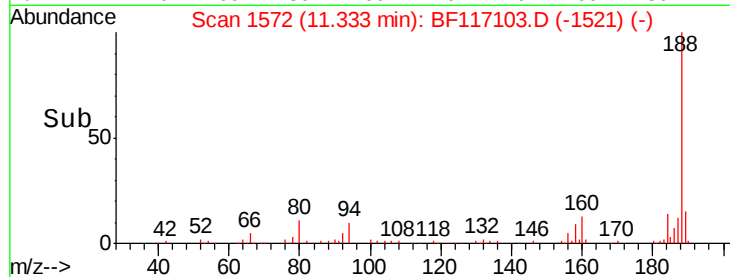
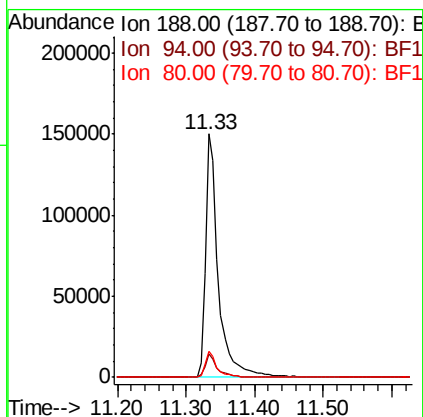
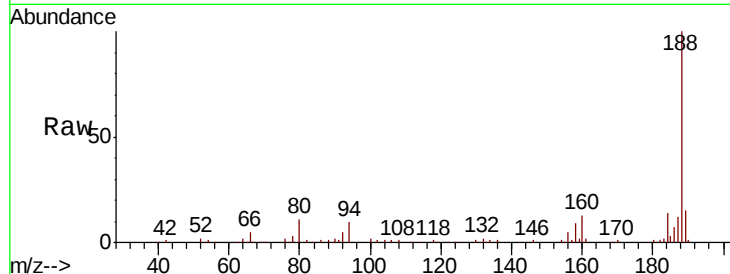




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BF117103.D
Acq: 17 Sep 2019 13:44

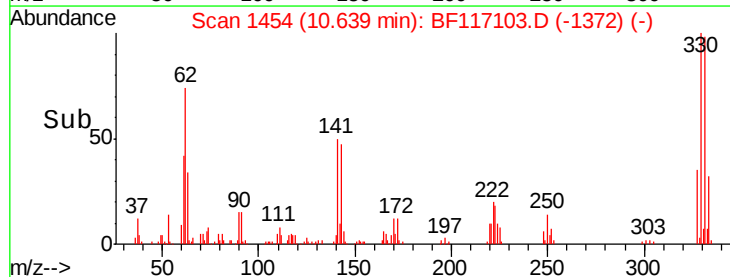
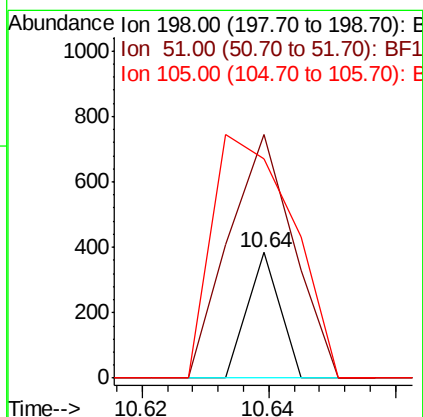
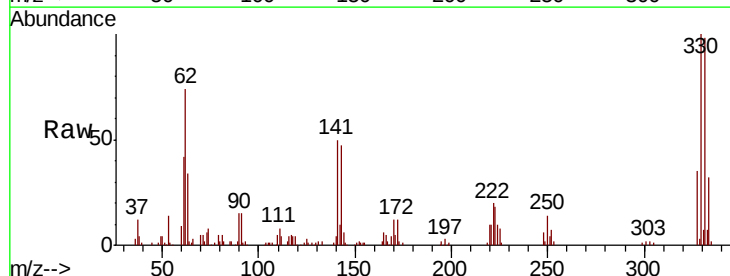
Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 198719
Ion Ratio Lower Upper
188 100
94 9.8 8.2 12.2
80 10.8 9.0 13.6



#65
4,6-Dinitro-2-methylphenol
Concen: 7.030 ng
RT: 10.64 min Scan# 1454
Delta R.T. 0.18 min
Lab File: BF117103.D
Acq: 17 Sep 2019 13:44

Tgt Ion:198 Resp: 135
Ion Ratio Lower Upper
198 100
51 194.3 18.7 58.7#
105 175.5 30.2 70.2#

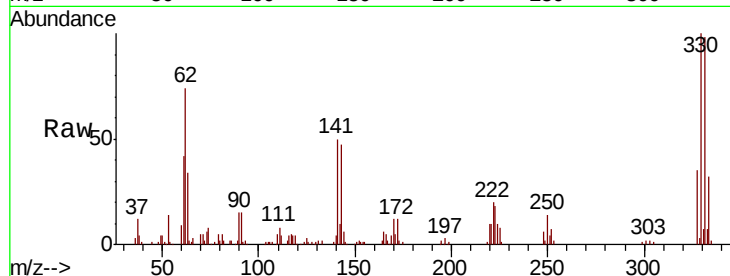




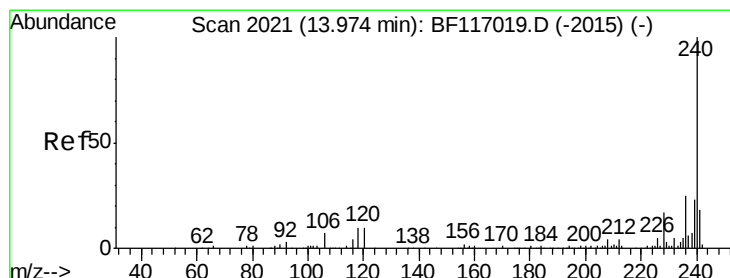
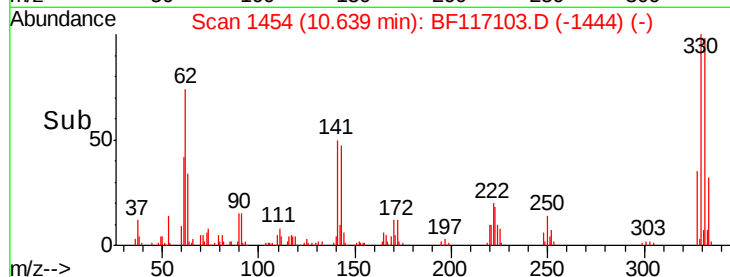
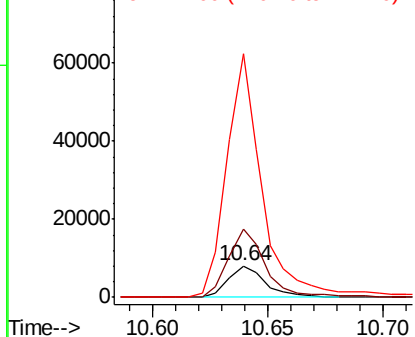
#67
 4-Bromophenyl-phenylether
 Concen: 4.425 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF117103.D
 Acq: 17 Sep 2019 13:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 8980
 Ion Ratio Lower Upper
 248 100
 250 217.3 76.2 114.4#
 141 772.2 75.0 112.4#

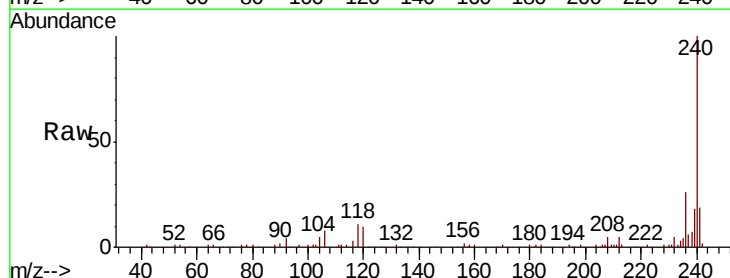


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

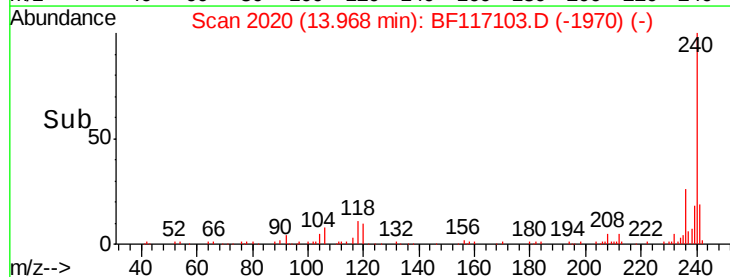
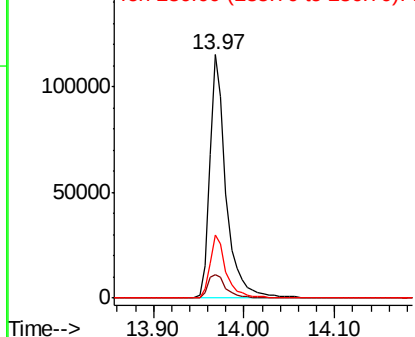


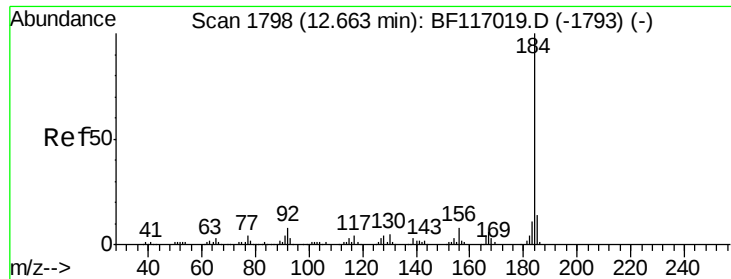
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF117103.D
 Acq: 17 Sep 2019 13:44

Tgt Ion:240 Resp: 145236
 Ion Ratio Lower Upper
 240 100
 120 9.9 8.3 12.5
 236 25.9 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: 2.261 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.25 min

Lab File: BF117103.D

Acq: 17 Sep 2019 13:44

Instrument :

BNA_F

ClientSampleId :

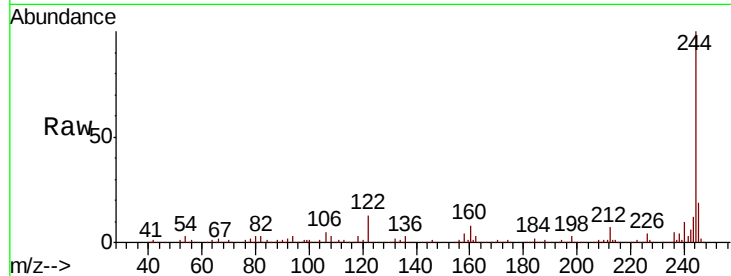
Tot Ion:184 Resp: 10576

Ion Ratio Lower Upper

184 100

185 16.9 11.6 17.4

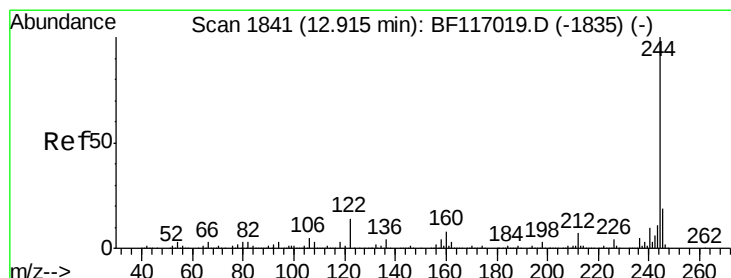
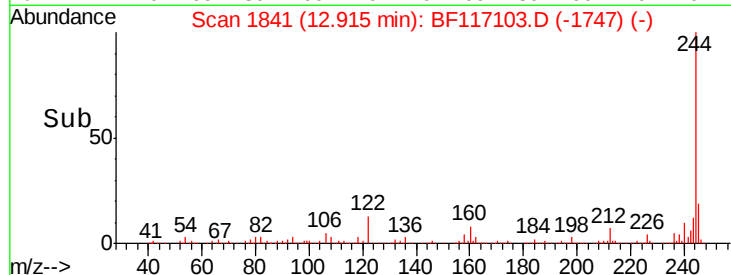
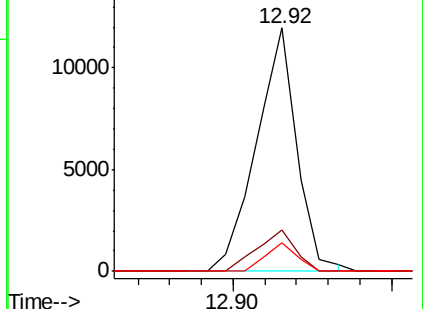
183 11.5 9.0 13.4



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: 97.178 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.00 min

Lab File: BF117103.D

Acq: 17 Sep 2019 13:44

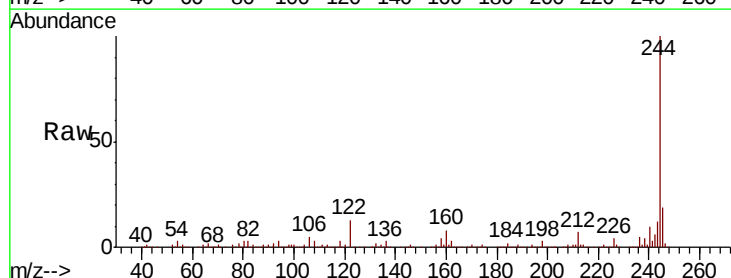
Tgt Ion:244 Resp: 755058

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

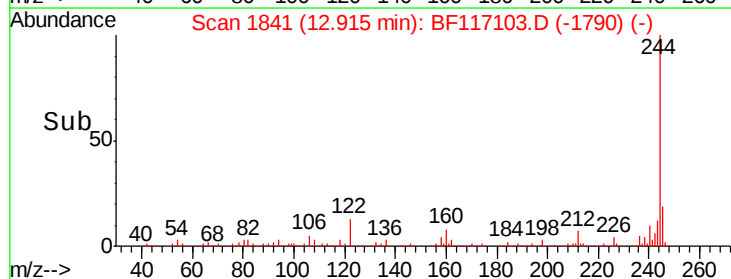
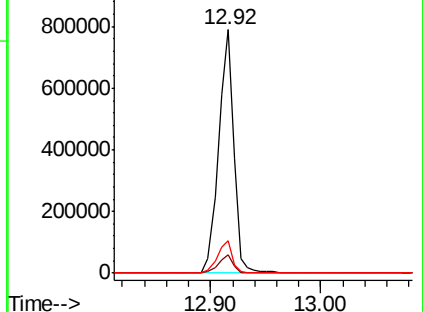
122 13.2 11.3 16.9

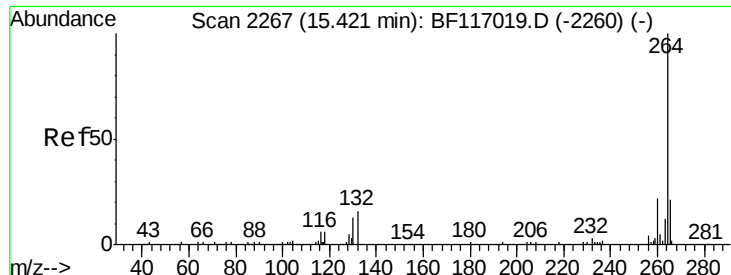


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

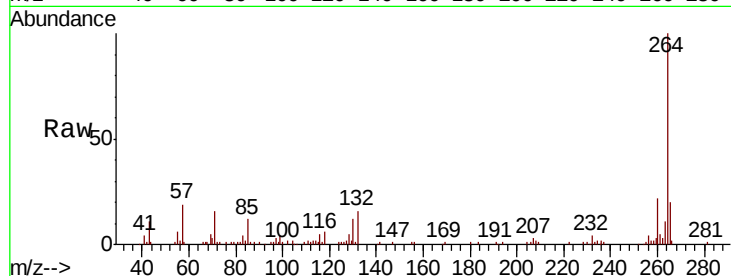




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.00 min
Lab File: BF117103.D
Acq: 17 Sep 2019 13:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	264	Resp:	123608
Ion	Ratio	Lower	Upper
264	100		
260	22.0	17.6	26.4
265	20.4	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

