

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091719\
 Data File : BF117117.D
 Acq On : 17 Sep 2019 19:57
 Operator : HP/JU
 Sample : K4664-09
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 18 03:52:40 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	62580	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	242638	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	126019	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	207630	20.00	ng	0.00
76) Chrysene-d12	13.97	240	153193	20.00	ng	0.00
87) Perylene-d12	15.42	264	140046	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	509353	127.07	ng	0.02
7) Phenol-d6	6.46	99	604876	116.77	ng	0.00
23) Nitrobenzene-d5	7.39	82	478274	103.57	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	174843	166.01	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	873402	108.37	ng	0.00
79) Terphenyl-d14	12.92	244	858958	104.81	ng	0.00

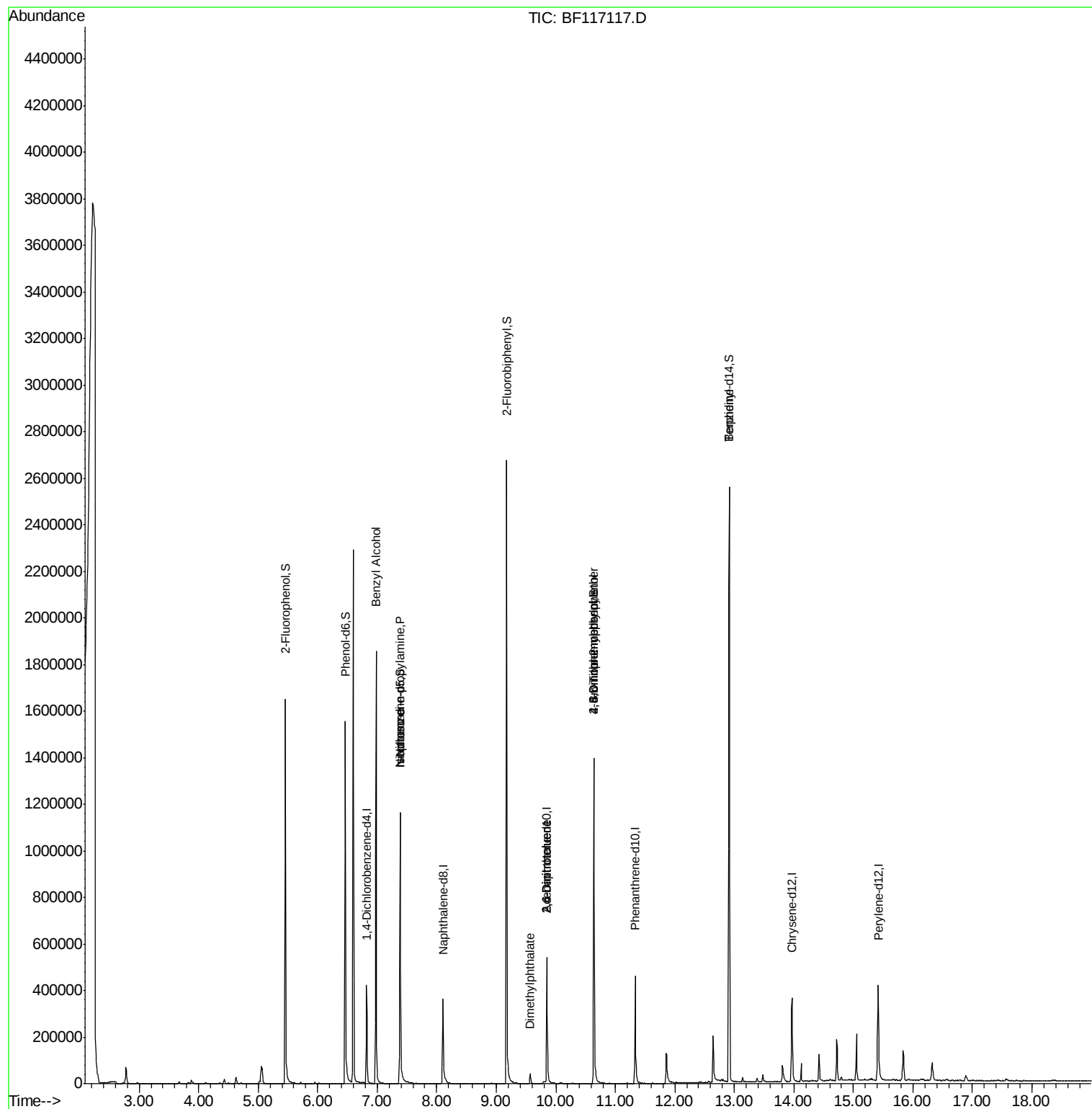
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.46	77	872	Below Cal	#	1
15) Benzyl Alcohol	6.98	79	8211	2.067 ng	#	46
19) n-Nitroso-di-n-propylamine	7.39	70	63074	19.996 ng	#	78
25) Isophorone	7.39	82	478335	58.502 ng	#	66
50) Dimethylphthalate	9.57	163	23758	2.663 ng		98
51) 2,6-Dinitrotoluene	9.85	165	16337	8.990 ng	#	25
57) 2,4-Dinitrotoluene	9.85	165	16337	6.926 ng	#	19
65) 4,6-Dinitro-2-methylphenol	10.64	198	134	7.024 ng	#	1
67) 4-Bromophenyl-phenylether	10.64	248	10930	5.155 ng	#	1
77) Benzidine	12.92	184	11675	2.366 ng		98

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

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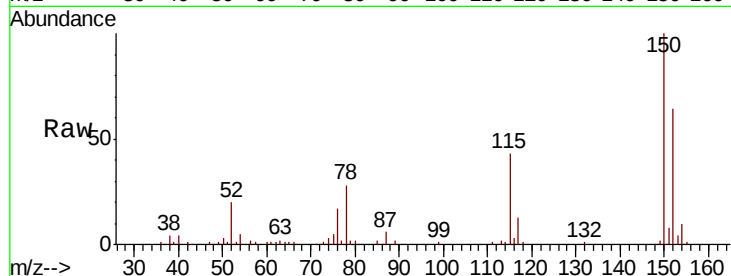


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117117.D
Acq: 17 Sep 2019 19:57

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	127.5	191.3
115	67.3	55.0	82.4

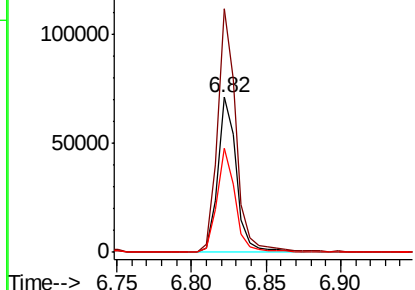
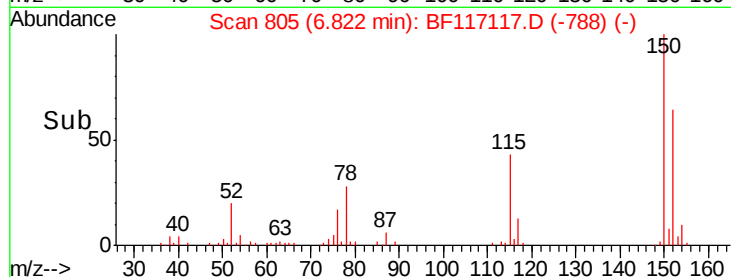


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

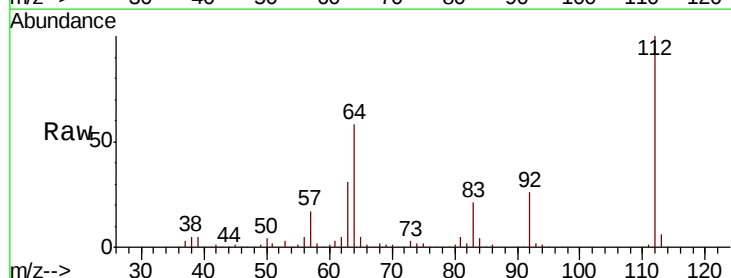
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 127.074 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.02 min
Lab File: BF117117.D
Acq: 17 Sep 2019 19:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.6	45.7	68.5
63	30.8	24.9	37.3

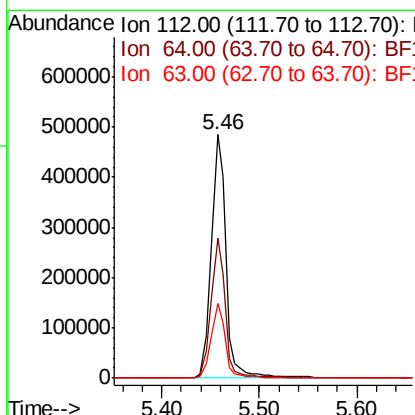
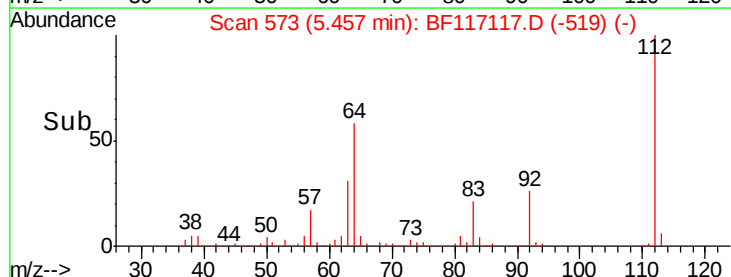


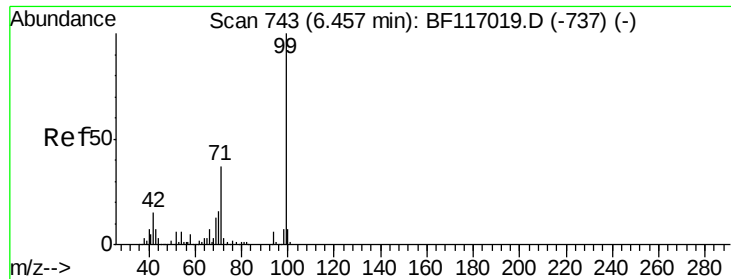
Abundance

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: 116.767 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF117117.D

Acq: 17 Sep 2019 19:57

Instrument :

BNA_F

ClientSampleId :

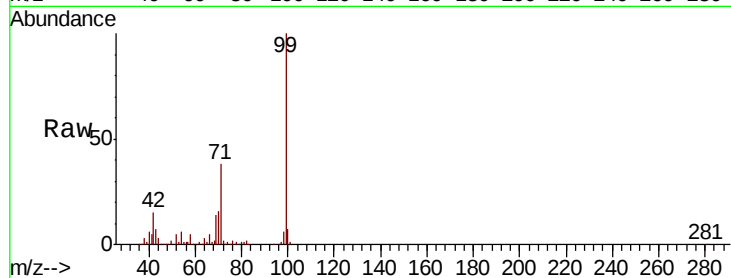
Tot Ion: 99 Resp: 604876

Ion Ratio Lower Upper

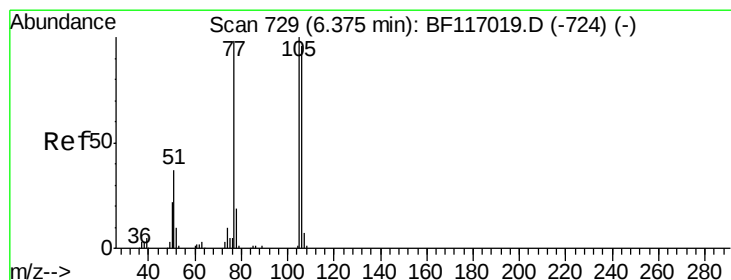
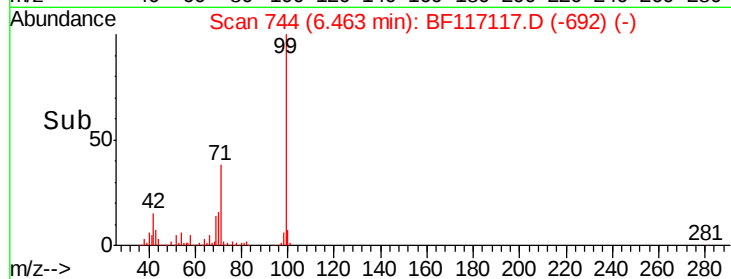
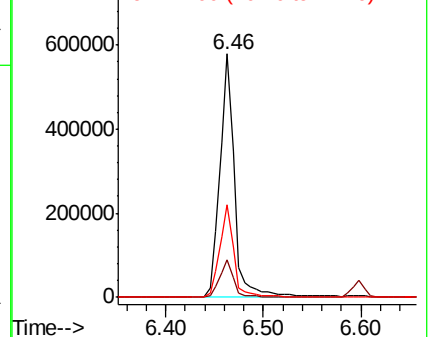
99 100

42 15.4 12.2 18.2

71 37.9 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: BF117117.D

Acq: 17 Sep 2019 19:57

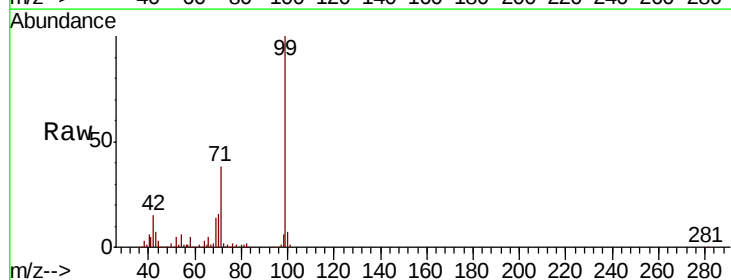
Tgt Ion: 77 Resp: 872

Ion Ratio Lower Upper

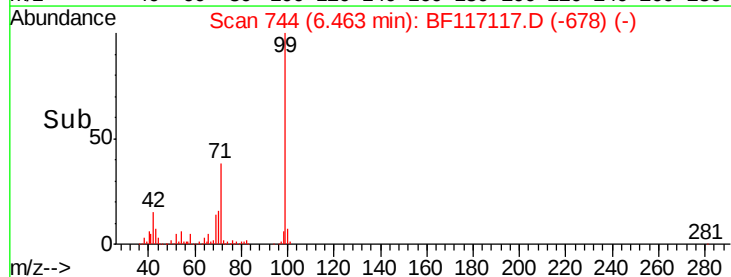
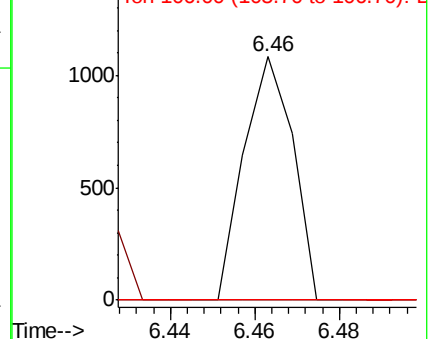
77 100

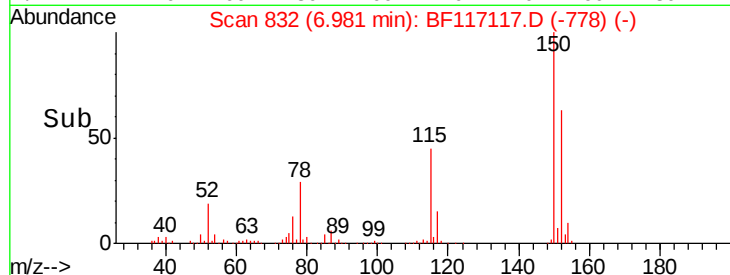
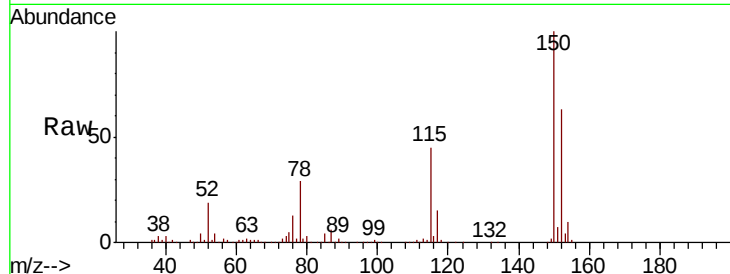
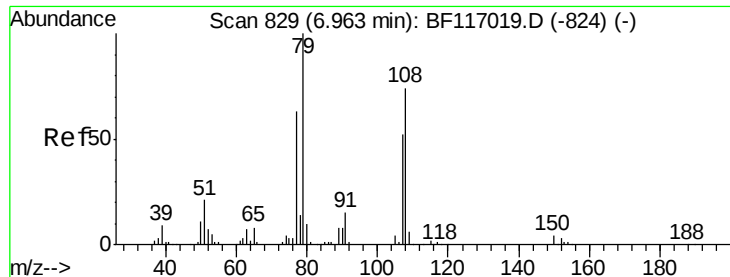
105 0.0 81.8 121.8#

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

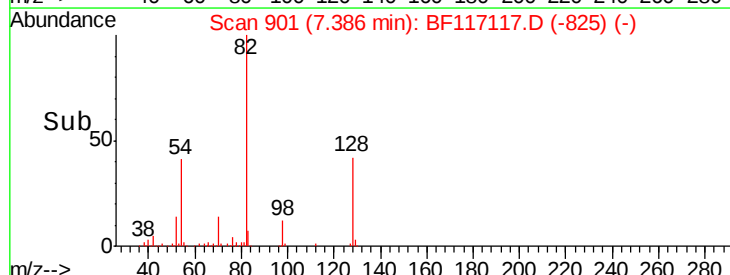
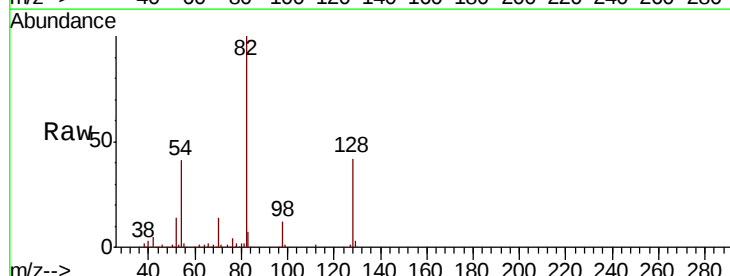
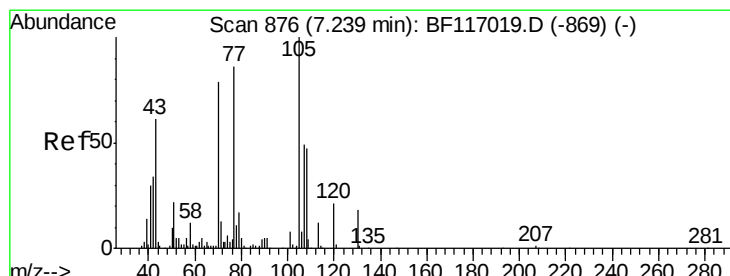
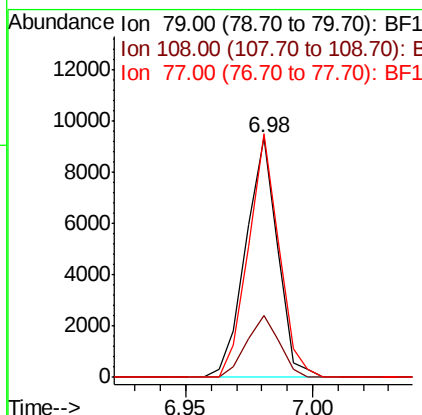




#15
Benzyl Alcohol
Concen: 2.067 ng
RT: 6.98 min Scan# 832
Delta R.T. 0.02 min
Lab File: BF117117.D
Acq: 17 Sep 2019 19:57

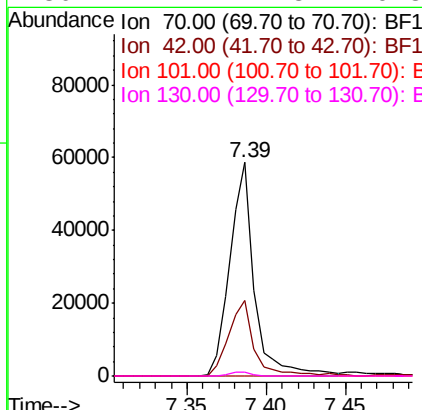
Instrument :
BNA_F
ClientSampleId :

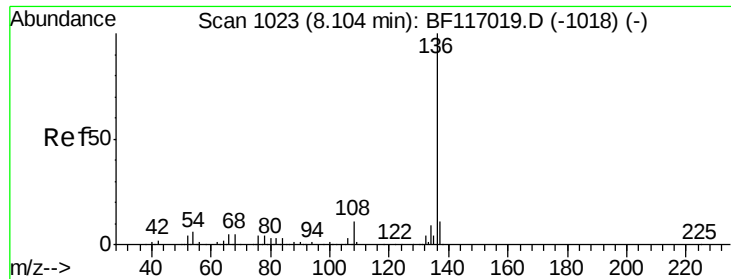
Tot Ion	Ratio	Lower	Upper
79	100		
108	25.7	59.4	89.0#
77	101.6	50.2	75.2#



#19
n-Nitroso-di-n-propylamine
Concen: 19.996 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.15 min
Lab File: BF117117.D
Acq: 17 Sep 2019 19:57

Tgt Ion	Ratio	Lower	Upper
70	100		
42	35.4	34.0	51.0
101	0.0	7.8	11.6#
130	2.1	17.8	26.8#

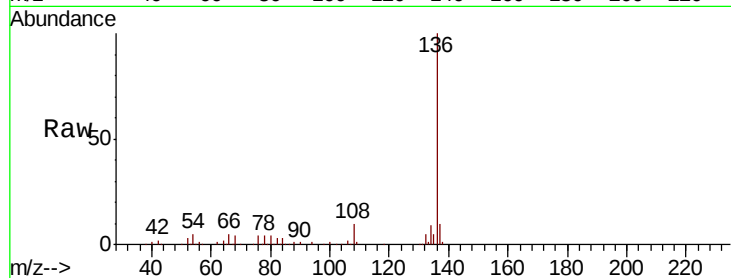




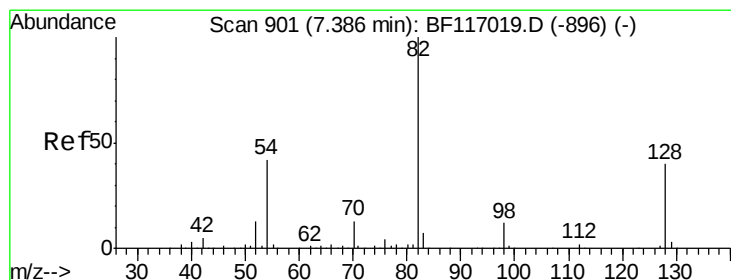
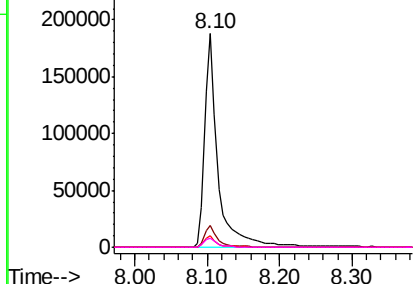
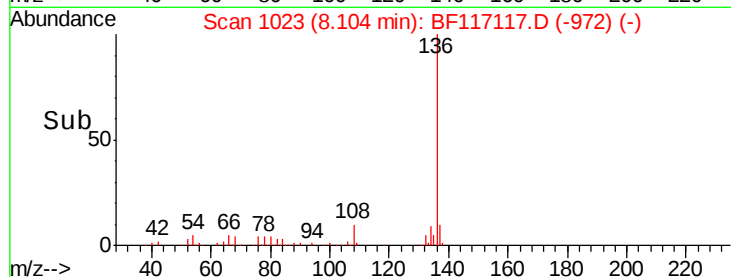
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.00 min
Lab File: BF117117.D
Acq: 17 Sep 2019 19:57

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	242638
Ion Ratio	Lower	Upper
136 100		
137 10.5	9.0	13.4
54 5.4	4.5	6.7
68 4.3	4.0	6.0

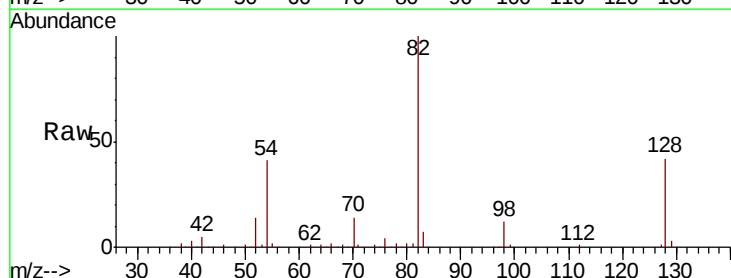


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

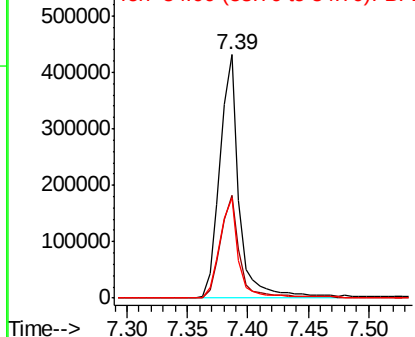
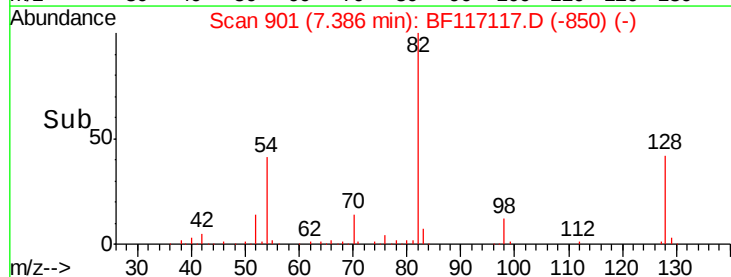


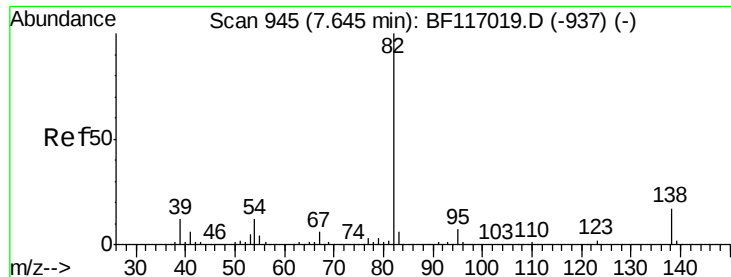
#23
Nitrobenzene-d5
Concen: 103.569 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.00 min
Lab File: BF117117.D
Acq: 17 Sep 2019 19:57

Tgt	Ion: 82	Resp:	478274
Ion	Ratio	Lower	Upper
82	100		
128	42.2	32.3	48.5
54	41.4	33.3	49.9



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





#25

Isophorone

Concen: 58.502 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.26 min

Lab File: BF117117.D

Acq: 17 Sep 2019 19:57

Instrument :

BNA_F

ClientSampled :

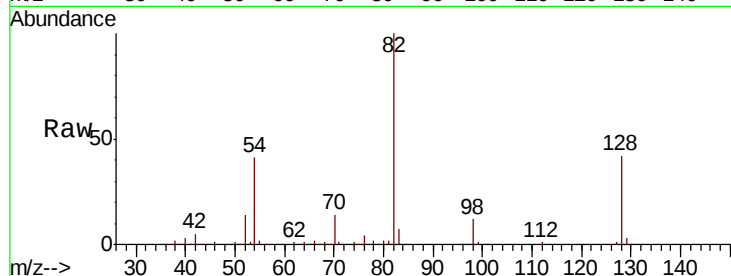
Tot Ion: 82 Resp: 478335

Ion Ratio Lower Upper

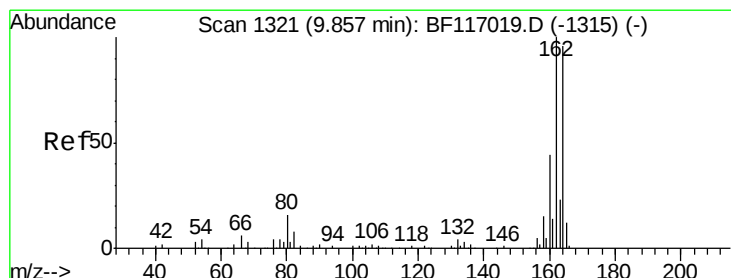
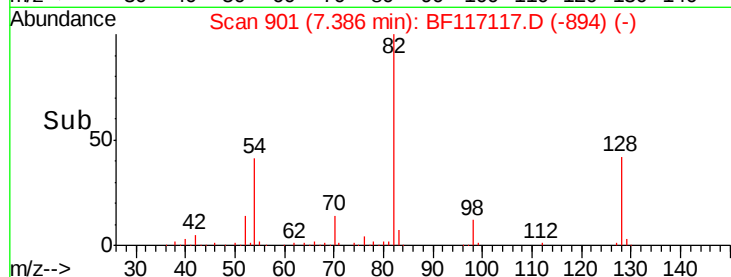
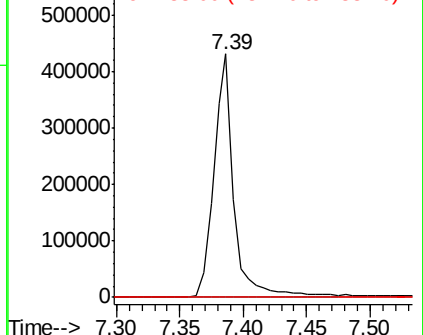
82 100

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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF117117.D

Acq: 17 Sep 2019 19:57

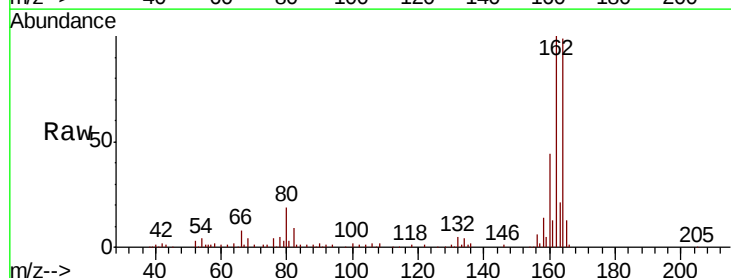
Tgt Ion: 164 Resp: 126019

Ion Ratio Lower Upper

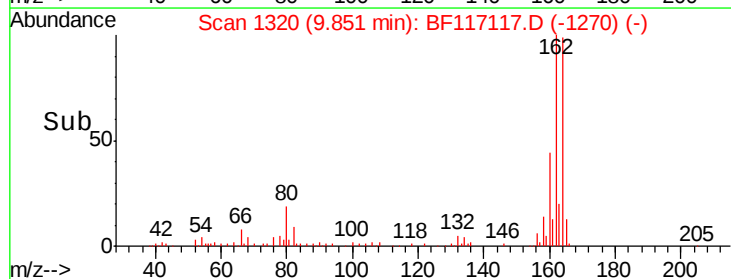
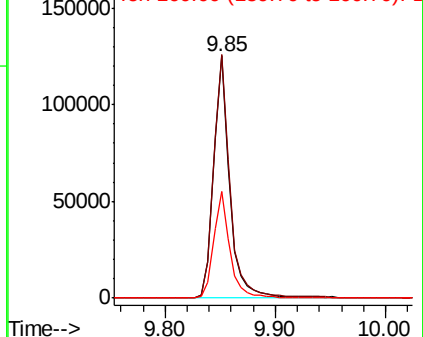
164 100

162 100.7 83.4 125.2

160 44.0 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

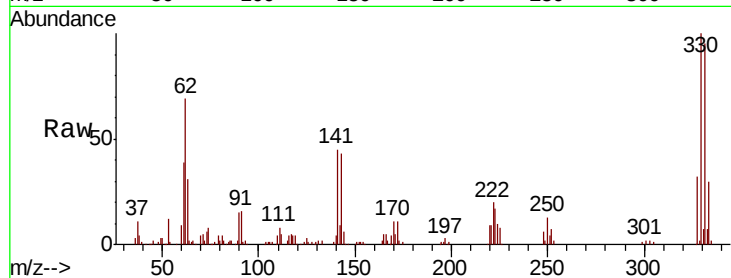




#42
 2,4,6-Tribromophenol
 Concen: 166.006 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF117117.D
 Acq: 17 Sep 2019 19:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	78.0	117.0
141	44.7	35.8	53.6

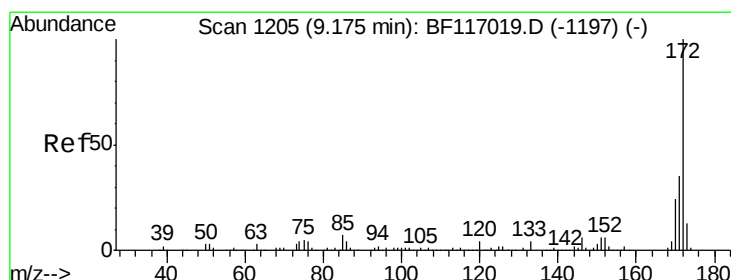
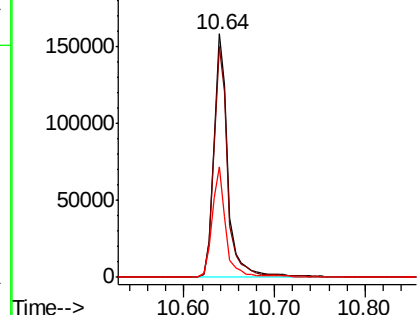
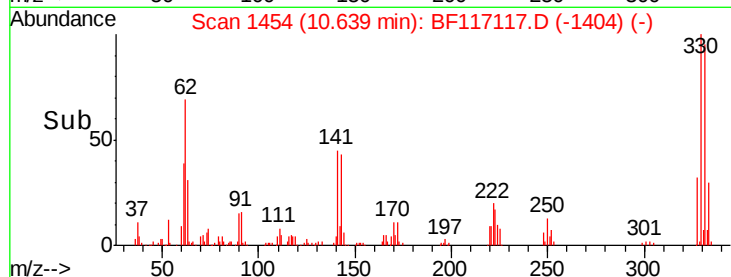


Abundance

Ion 329.80 (329.50 to 330.50): E

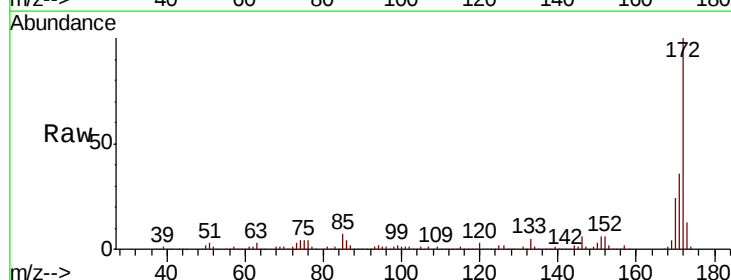
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 108.367 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: BF117117.D
 Acq: 17 Sep 2019 19:57

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.2	42.2
170	23.5	18.9	28.3

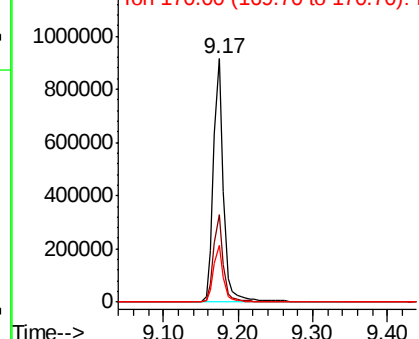
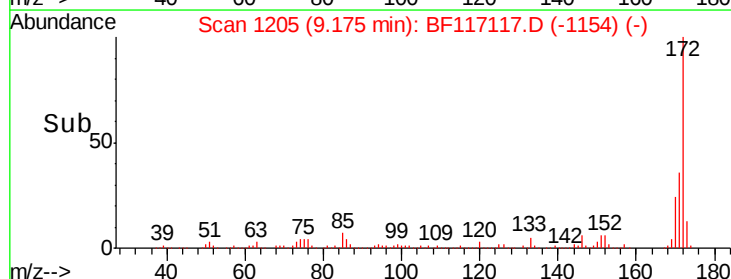


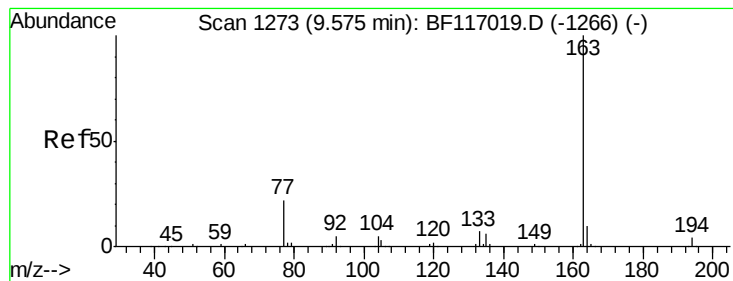
Abundance

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: 2.663 ng

RT: 9.57 min Scan# 1272

Delta R.T. -0.01 min

Lab File: BF117117.D

Acq: 17 Sep 2019 19:57

Instrument :

BNA_F

ClientSampled :

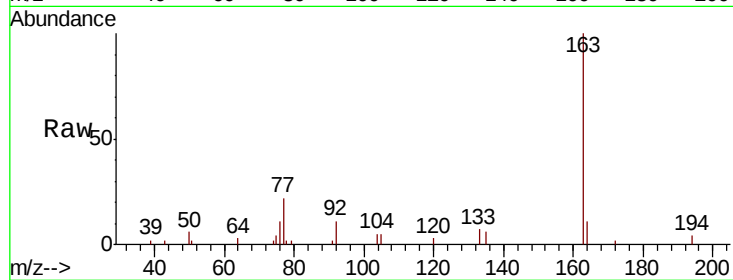
Tot Ion:163 Resp: 23758

Ion Ratio Lower Upper

163 100

194 3.5 2.9 4.3

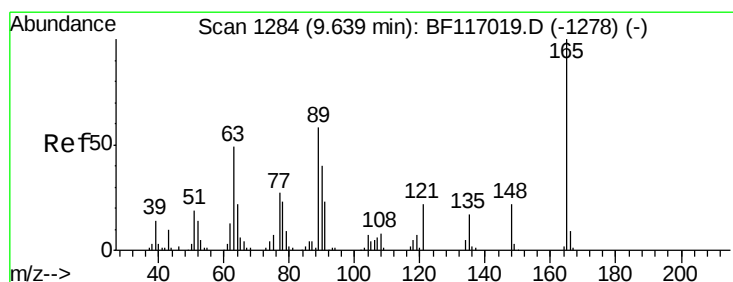
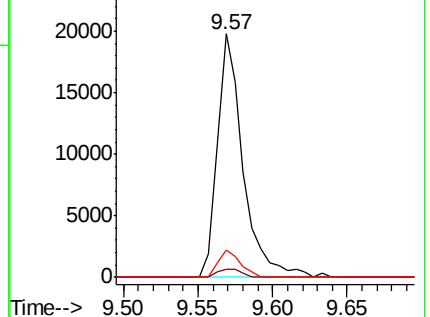
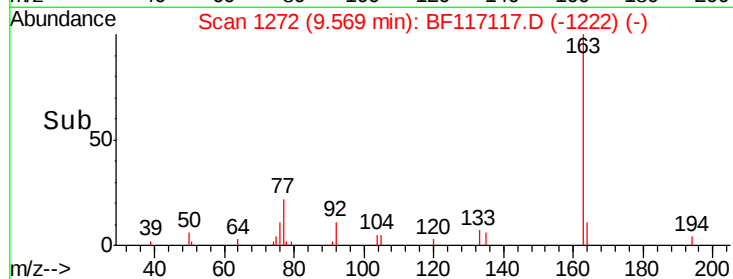
164 11.2 8.2 12.4



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: 8.990 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.21 min

Lab File: BF117117.D

Acq: 17 Sep 2019 19:57

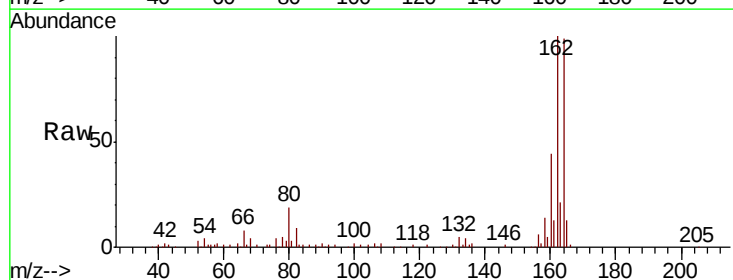
Tgt Ion:165 Resp: 16337

Ion Ratio Lower Upper

165 100

63 0.0 41.8 62.8#

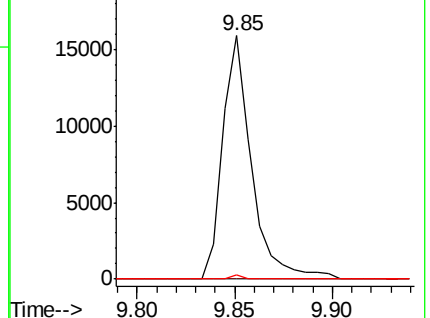
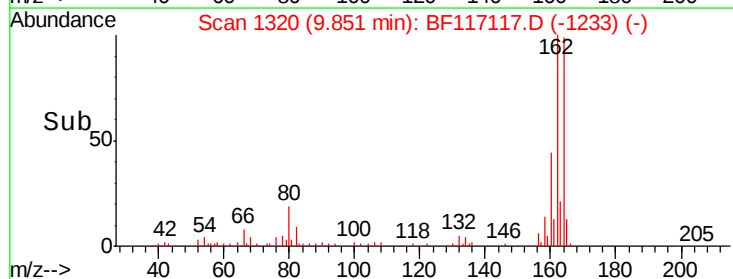
89 1.9 46.5 69.7#

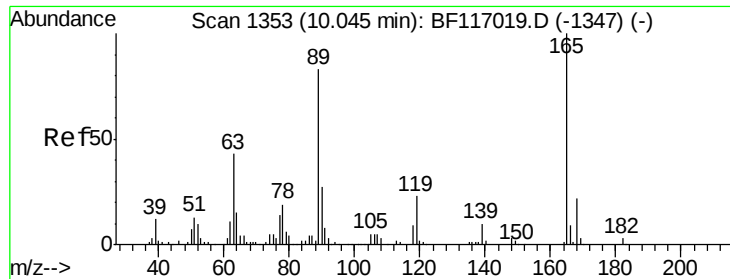


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

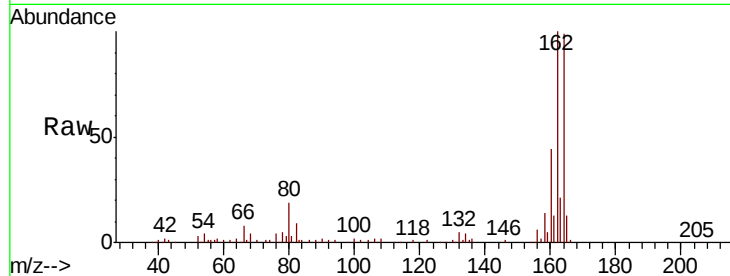




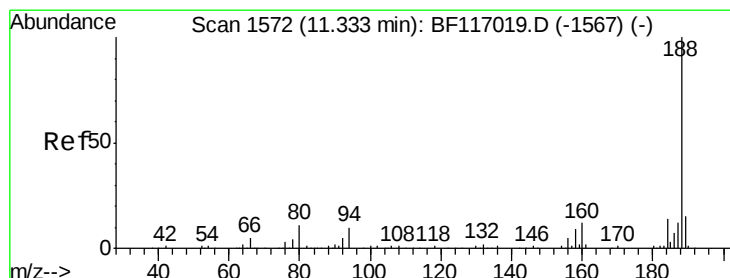
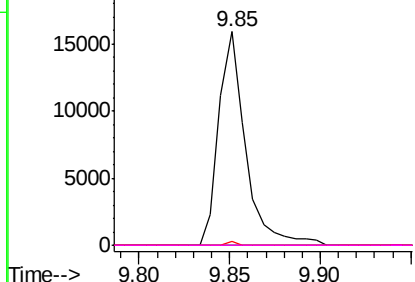
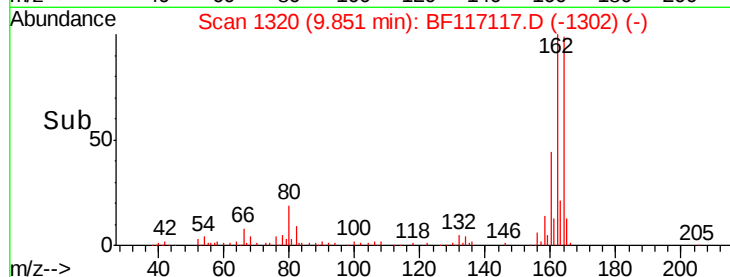
#57
 2,4-Dinitrotoluene
 Concen: 6.926 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF117117.D
 Acq: 17 Sep 2019 19:57

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:165 Resp: 16337
 Ion Ratio Lower Upper
 165 100
 63 0.0 35.0 52.4#
 89 1.9 66.1 99.1#
 182 0.0 2.0 3.0#

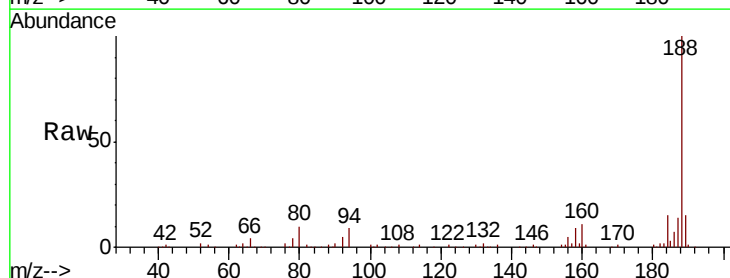


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

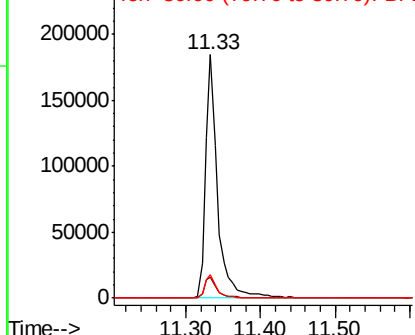
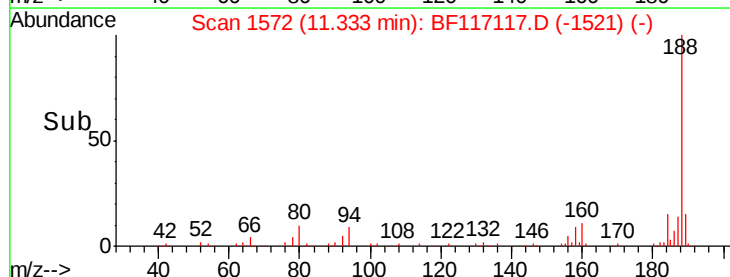


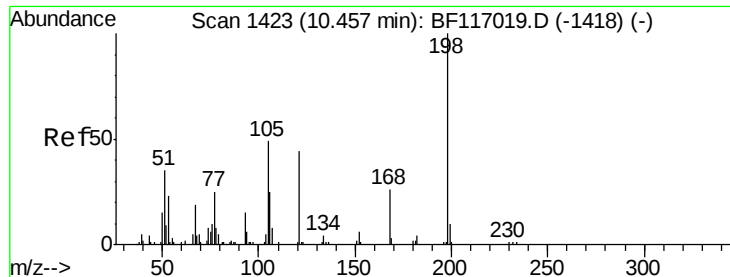
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: BF117117.D
 Acq: 17 Sep 2019 19:57

Tgt Ion:188 Resp: 207630
 Ion Ratio Lower Upper
 188 100
 94 8.6 8.2 12.2
 80 9.8 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

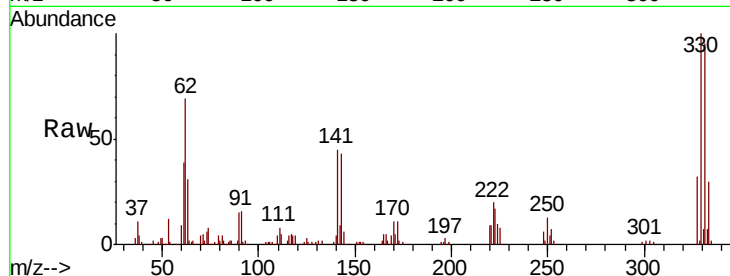




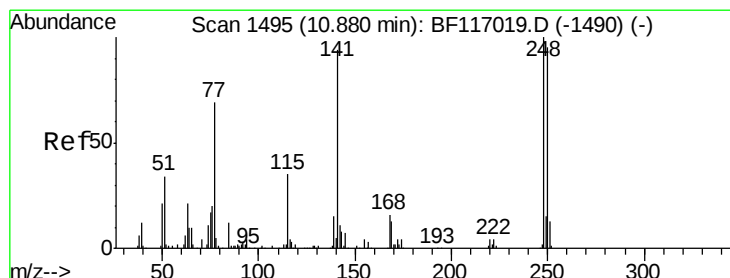
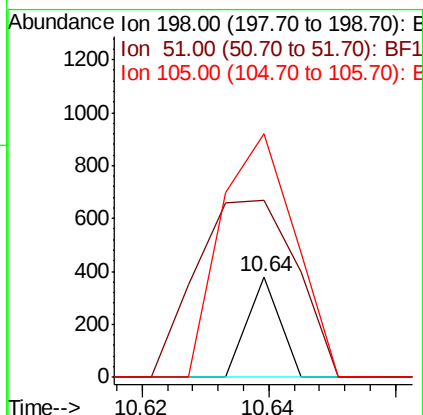
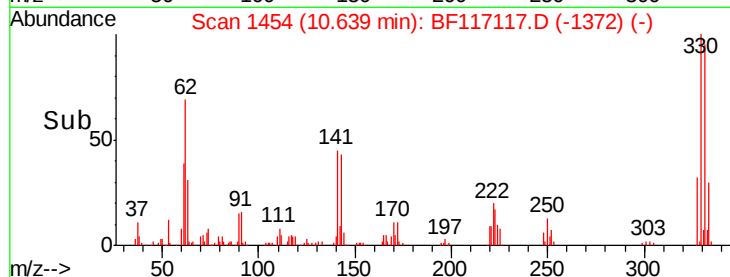
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.024 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.18 min
 Lab File: BF117117.D
 Acq: 17 Sep 2019 19:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 134
 Ion Ratio Lower Upper
 198 100
 51 176.5 18.7 58.7#
 105 242.7 30.2 70.2#

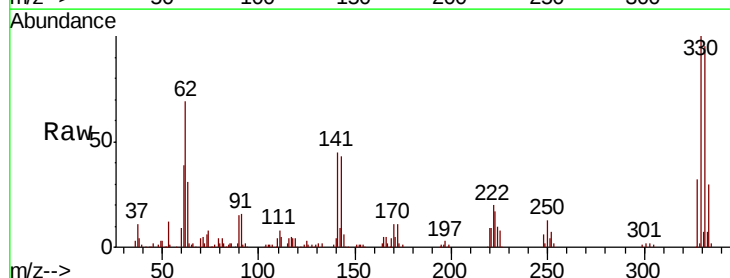


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

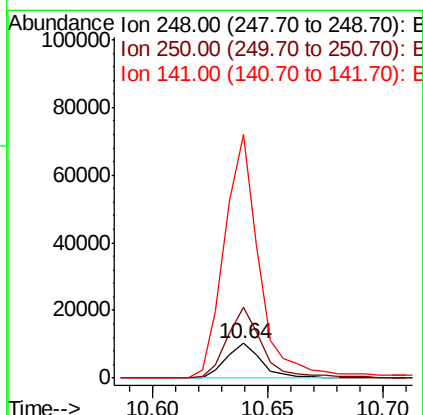
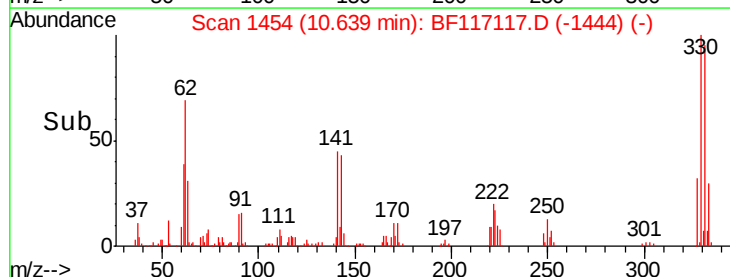


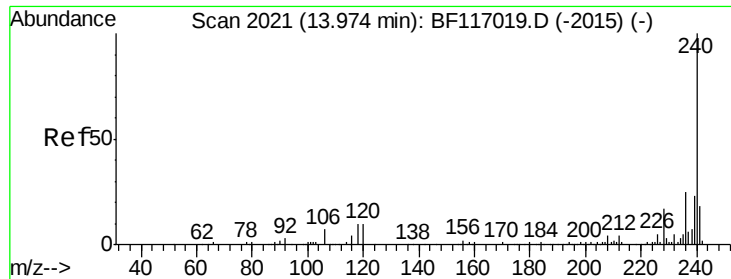
#67
 4-Bromophenyl-phenylether
 Concen: 5.155 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF117117.D
 Acq: 17 Sep 2019 19:57

Tgt Ion:248 Resp: 10930
 Ion Ratio Lower Upper
 248 100
 250 202.7 76.2 114.4#
 141 700.3 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

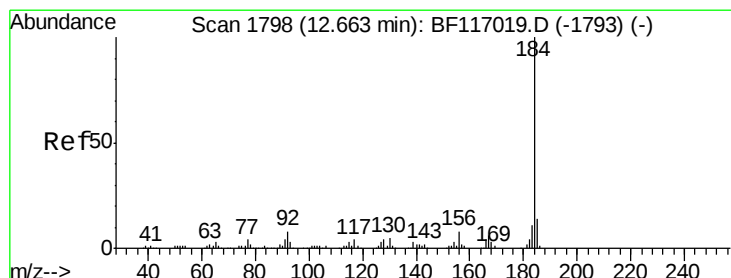
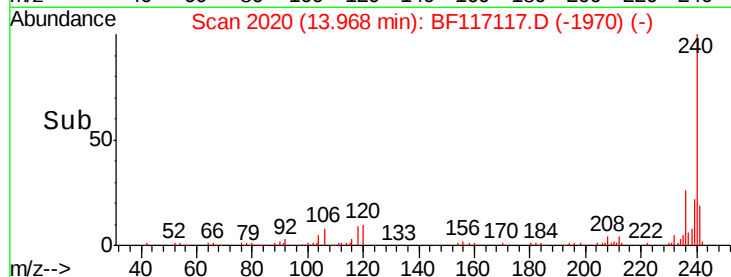
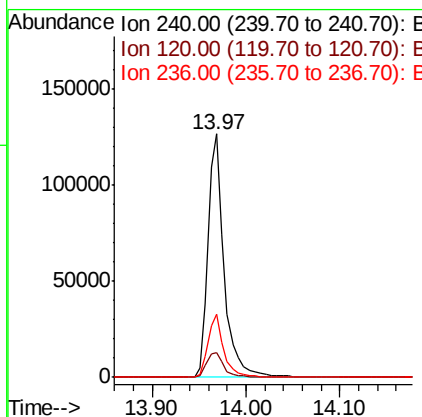
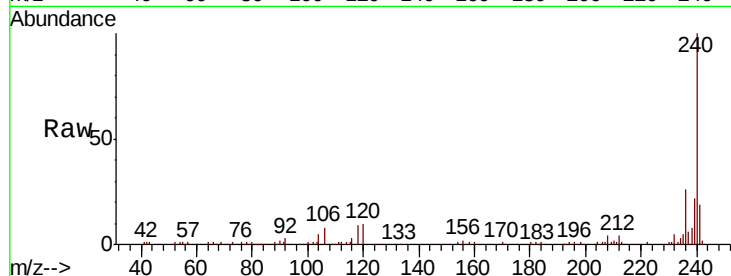




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF117117.D
Acq: 17 Sep 2019 19:57

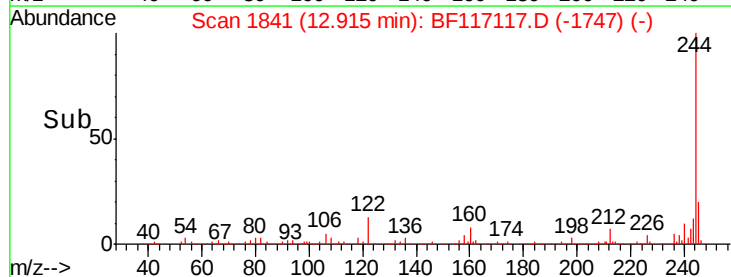
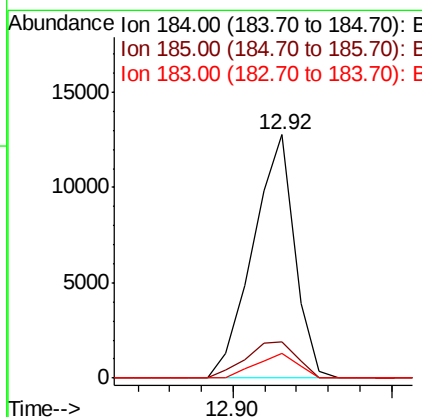
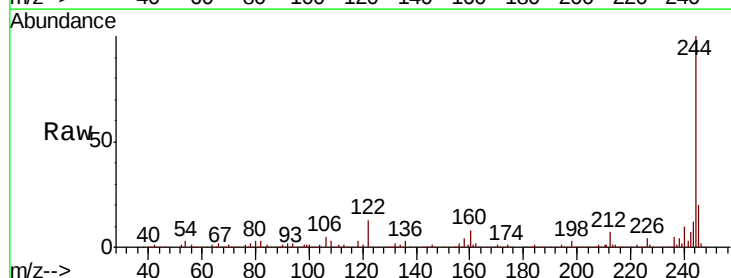
Instrument :
BNA_F
ClientSampleId :

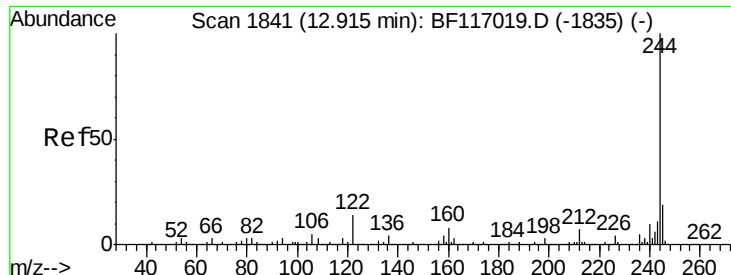
Tot Ion:240 Resp: 153193
Ion Ratio Lower Upper
240 100
120 10.0 8.3 12.5
236 25.7 20.3 30.5



#77
Benzidine
Concen: 2.366 ng
RT: 12.92 min Scan# 1841
Delta R.T. 0.25 min
Lab File: BF117117.D
Acq: 17 Sep 2019 19:57

Tgt Ion:184 Resp: 11675
Ion Ratio Lower Upper
184 100
185 15.0 11.6 17.4
183 10.1 9.0 13.4

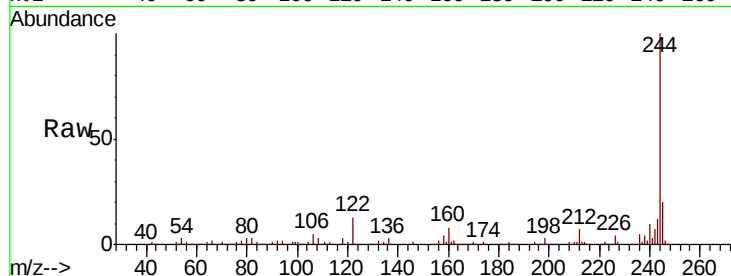




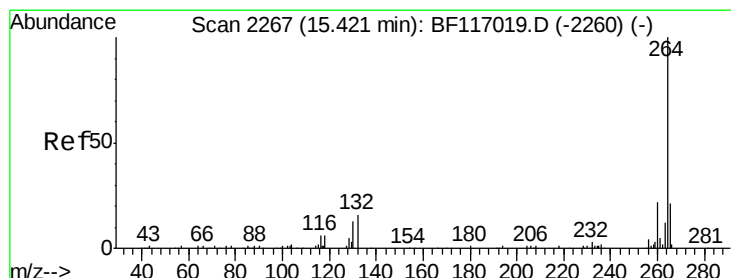
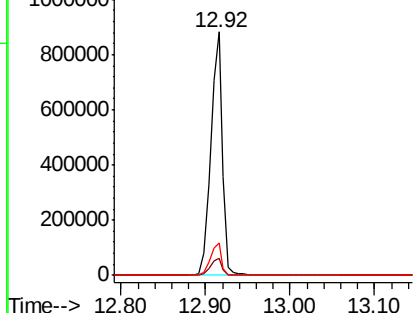
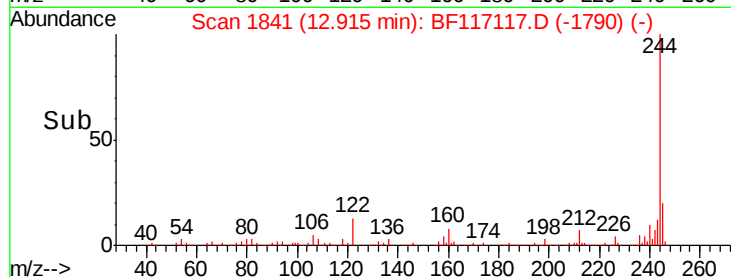
#79
 Terphenyl-d14
 Concen: 104.808 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: BF117117.D
 Acq: 17 Sep 2019 19:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	13.4	11.3	16.9

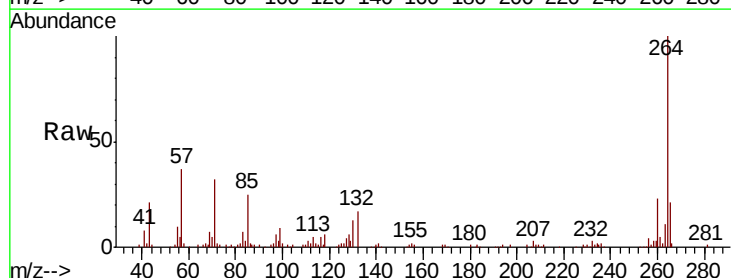


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.42 min Scan# 2266
 Delta R.T. -0.01 min
 Lab File: BF117117.D
 Acq: 17 Sep 2019 19:57

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.8	17.6	26.4
265	21.4	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

