

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100219\
 Data File : BF117306.D
 Acq On : 2 Oct 2019 18:14
 Operator : JU
 Sample : K5131-13
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 03 01:32:05 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

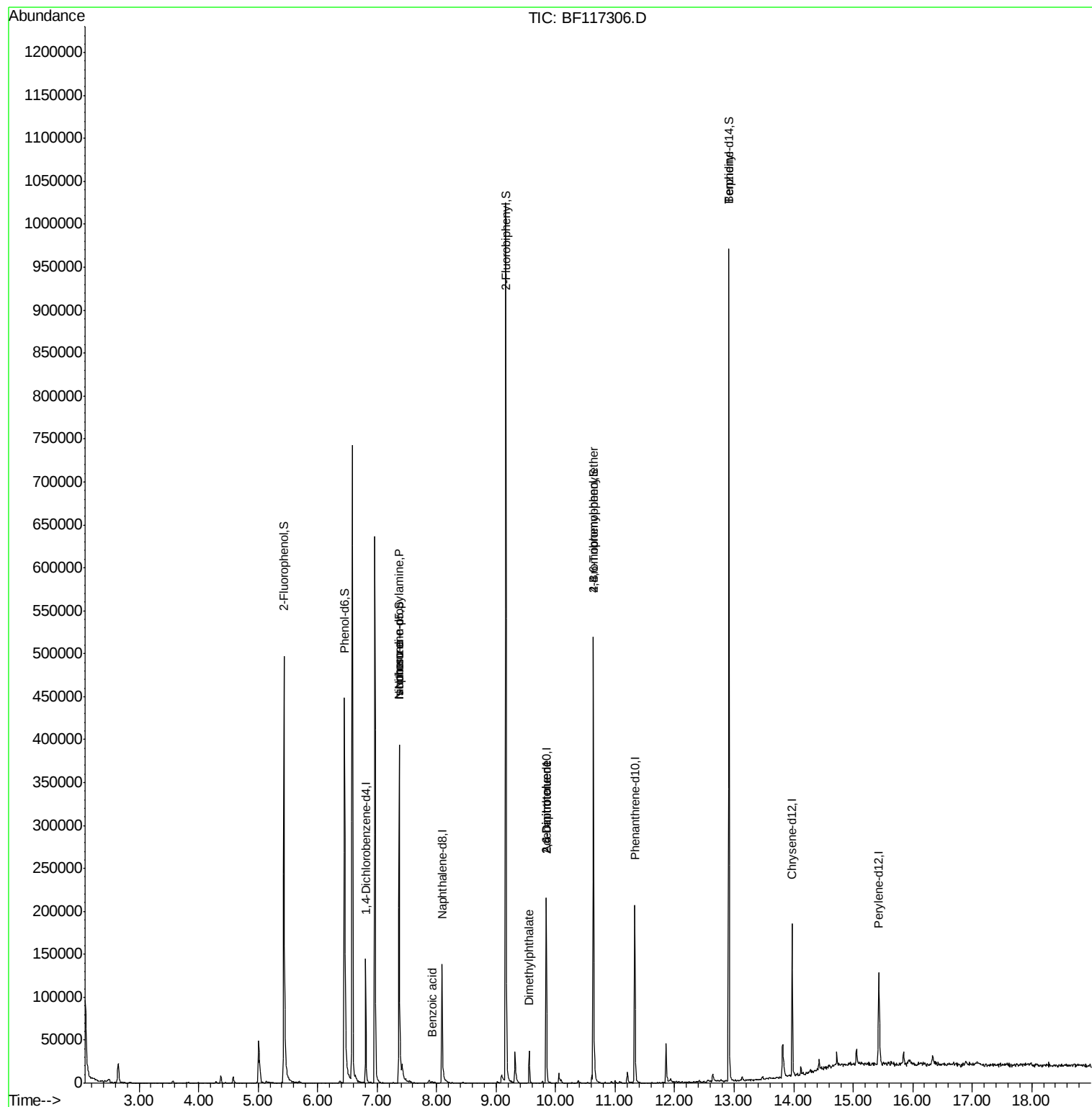
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	24022	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	90938	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	50487	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	85313	20.00	ng	0.00
76) Chrysene-d12	13.97	240	60934	20.00	ng	0.00
87) Perylene-d12	15.43	264	51179	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	175741	114.22	ng	0.00
7) Phenol-d6	6.45	99	204505	102.84	ng	0.00
23) Nitrobenzene-d5	7.37	82	155859	90.05	ng	-0.02
42) 2,4,6-Tribromophenol	10.64	330	61567	145.91	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	304908	94.43	ng	-0.01
79) Terphenyl-d14	12.92	244	323254	99.16	ng	0.00
Target Compounds						
9) Benzaldehyde	6.37	77	1079	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	20699	17.095 ng	#	79
25) Isophorone	7.37	82	155857	50.860 ng	#	66
32) Benzoic acid	7.92	122	250	6.839 ng		93
50) Dimethylphthalate	9.56	163	15745	4.405 ng		98
51) 2,6-Dinitrotoluene	9.85	165	6287	8.635 ng	#	24
57) 2,4-Dinitrotoluene	9.85	165	6287	6.652 ng	#	18
67) 4-Bromophenyl-phenylether	10.63	248	3764	4.320 ng	#	1
77) Benzidine	12.92	184	4454	2.269 ng	#	92

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

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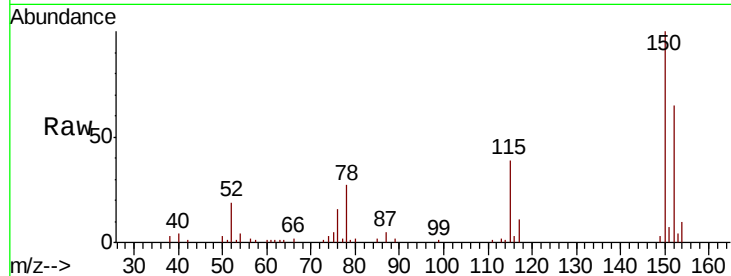


#1

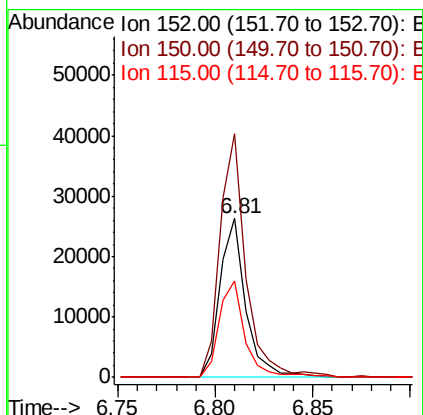
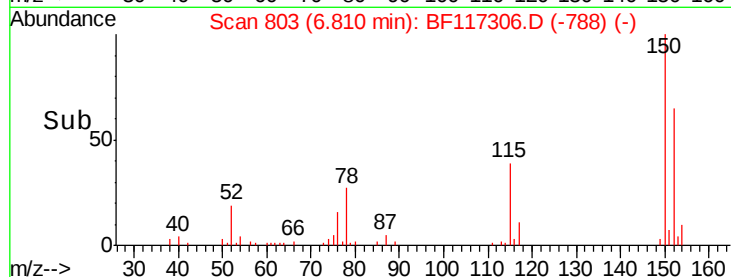
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF117306.D
Acq: 2 Oct 2019 18:14

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 24022
Ion Ratio Lower Upper
152 100
150 153.5 127.5 191.3
115 60.4 55.0 82.4



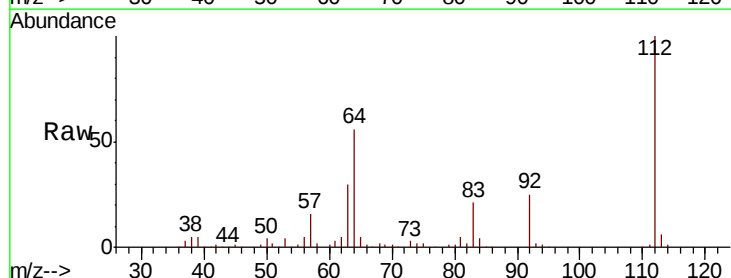
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



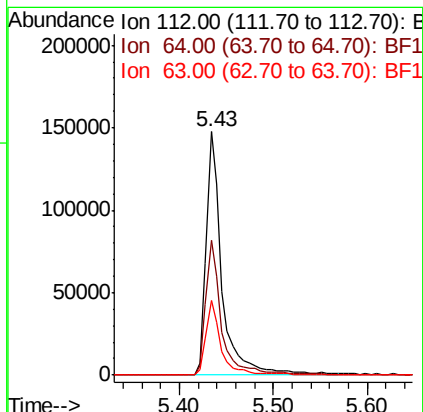
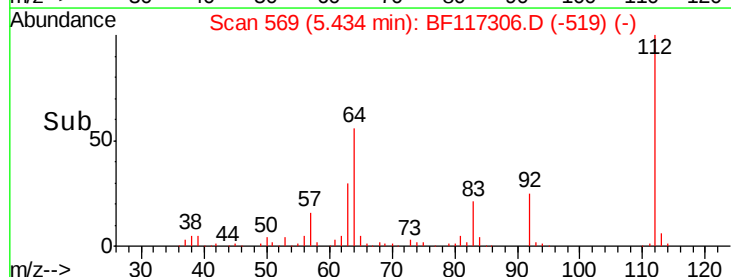
#5

2-Fluorophenol
Concen: 114.218 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF117306.D
Acq: 2 Oct 2019 18:14

Tgt Ion:112 Resp: 175741
Ion Ratio Lower Upper
112 100
64 55.5 45.7 68.5
63 30.4 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: 102.845 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF117306.D

Acq: 2 Oct 2019 18:14

Instrument :

BNA_F

ClientSampleId :

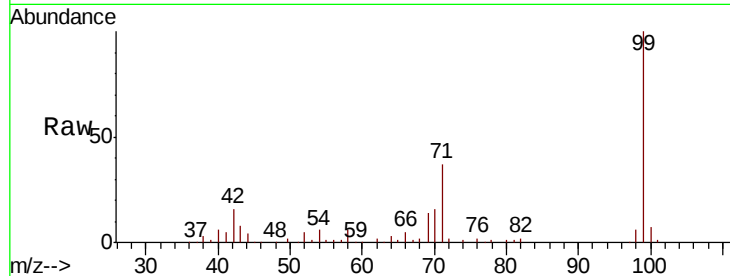
Tot Ion: 99 Resp: 204505

Ion Ratio Lower Upper

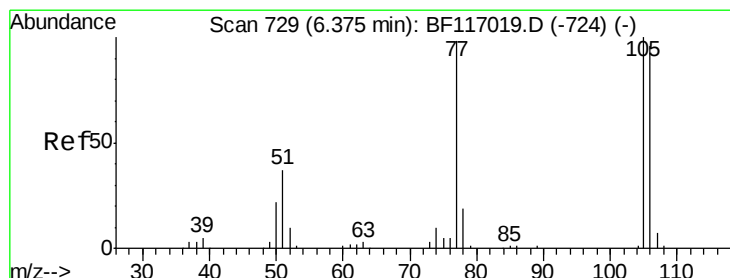
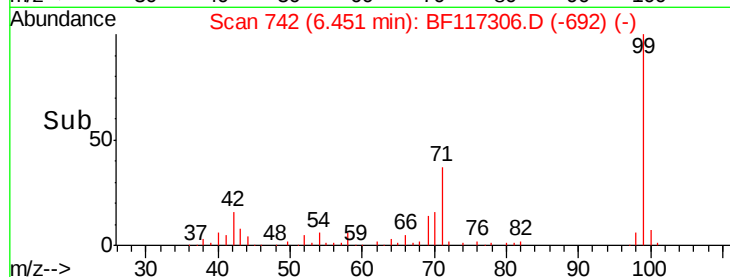
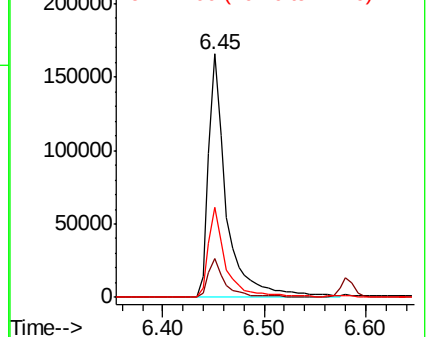
99 100

42 16.1 12.2 18.2

71 37.1 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: 6.37 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF117306.D

Acq: 2 Oct 2019 18:14

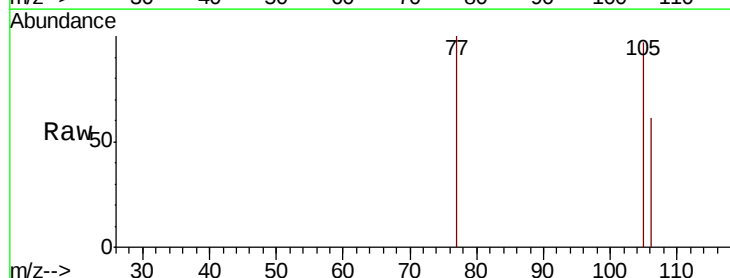
Tgt Ion: 77 Resp: 1079

Ion Ratio Lower Upper

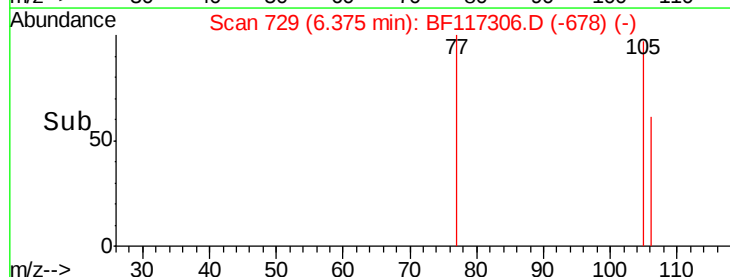
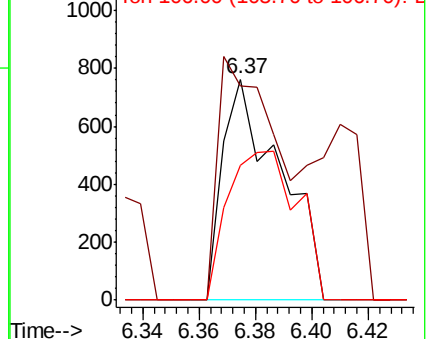
77 100

105 96.9 81.8 121.8

106 61.0 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

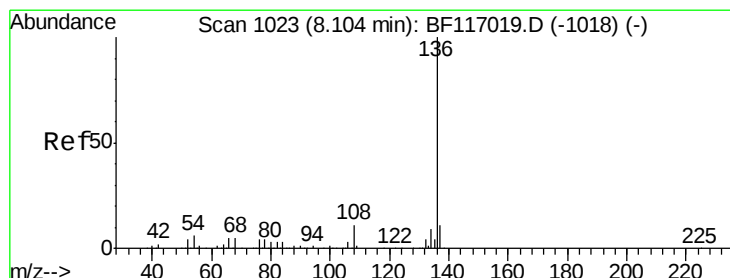
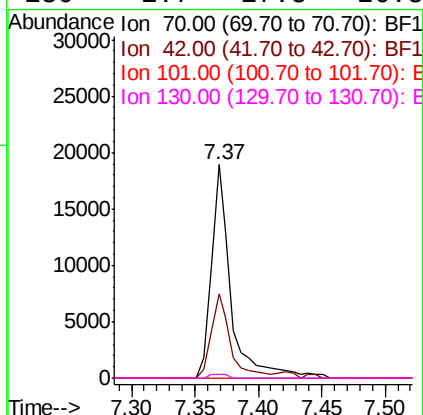
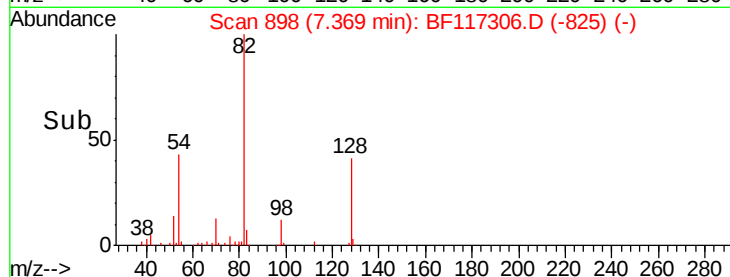
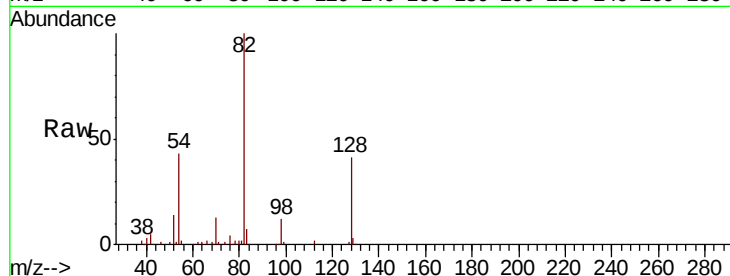




#19
n-Nitroso-di-n-propylamine
Concen: 17.095 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.13 min
Lab File: BF117306.D
Acq: 2 Oct 2019 18:14

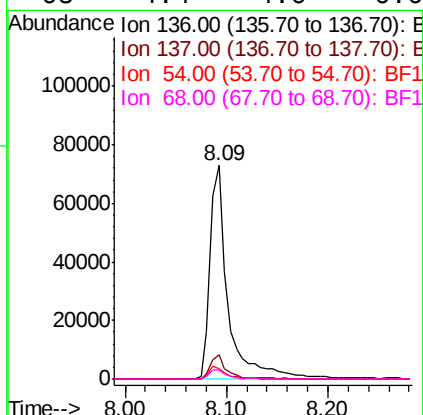
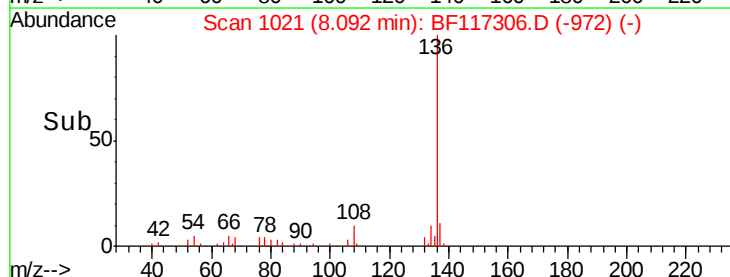
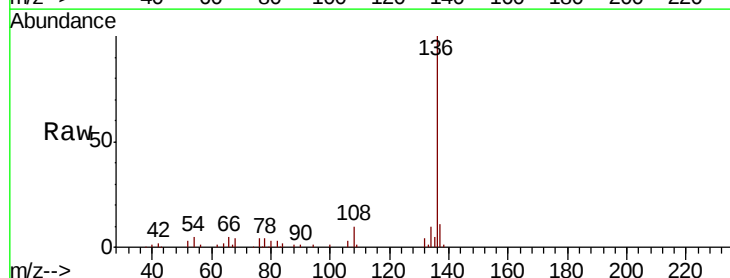
Instrument :
BNA_F
ClientSampled :

Tot Ion: 70 Resp: 20699
Ion Ratio Lower Upper
70 100
42 39.5 34.0 51.0
101 0.0 7.8 11.6#
130 1.7 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF117306.D
Acq: 2 Oct 2019 18:14

Tgt Ion: 136 Resp: 90938
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 4.9 4.5 6.7
68 4.4 4.0 6.0

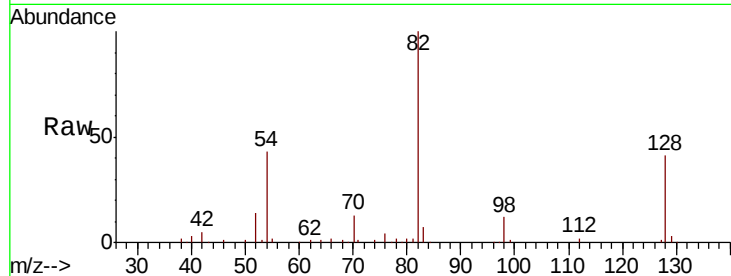




#23
 Nitrobenzene-d5
 Concen: 90.053 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.02 min
 Lab File: BF117306.D
 Acq: 2 Oct 2019 18:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	155859
Ion Ratio	Lower	Upper	
82	100		
128	40.7	32.3	48.5
54	43.4	33.3	49.9

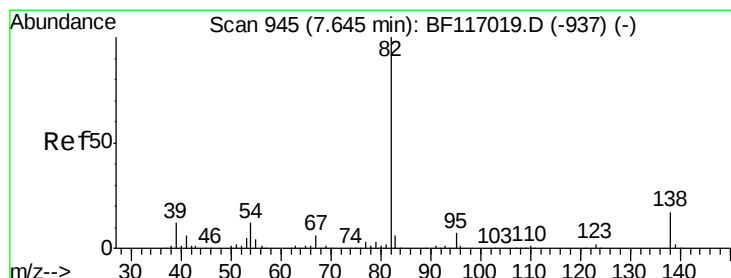
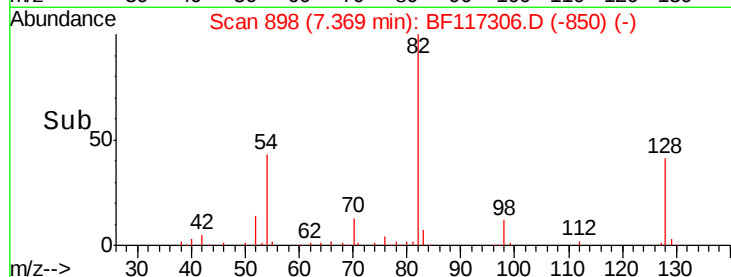
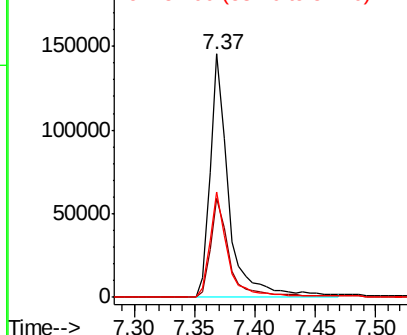


Abundance

Ion 82.00 (81.70 to 82.70): BF1

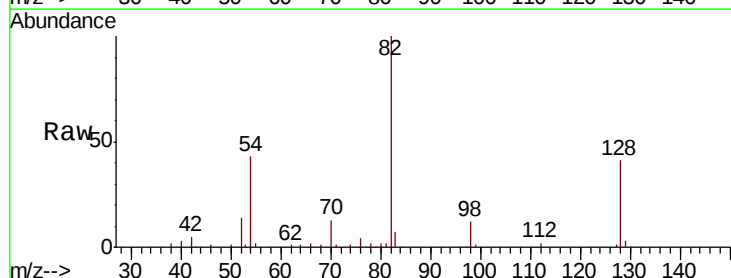
Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25
 Isophorone
 Concen: 50.860 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.28 min
 Lab File: BF117306.D
 Acq: 2 Oct 2019 18:14

Tgt Ion	82	Resp	155857
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#

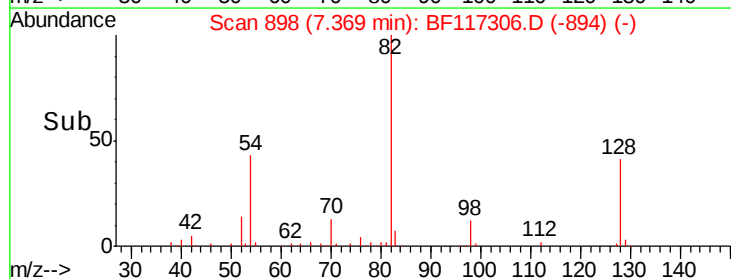
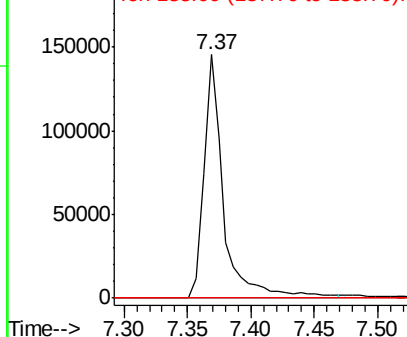


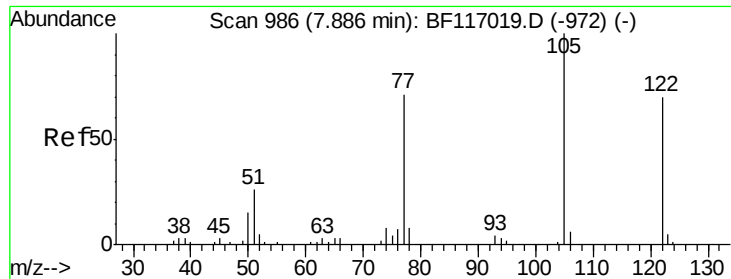
Abundance

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

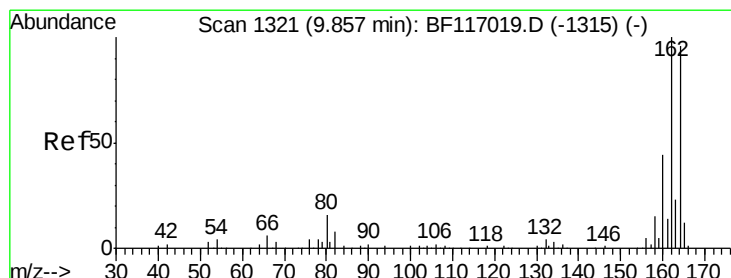
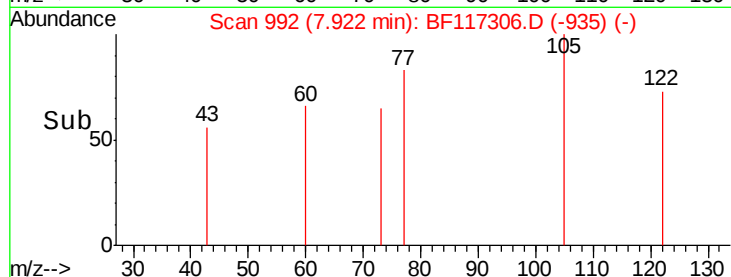
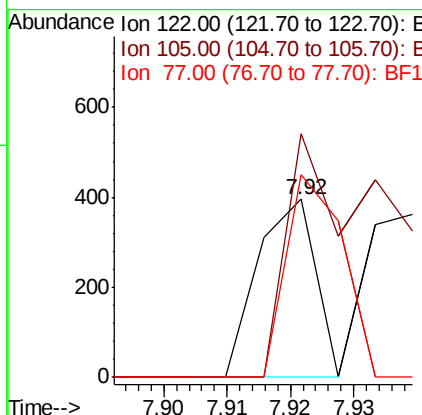
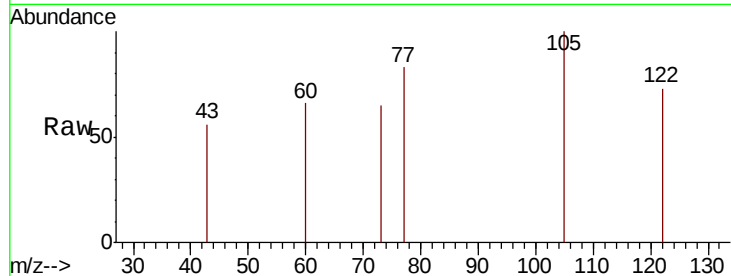




#32
Benzoic acid
Concen: 6.839 ng
RT: 7.92 min Scan# 992
Delta R.T. 0.04 min
Lab File: BF117306.D
Acq: 2 Oct 2019 18:14

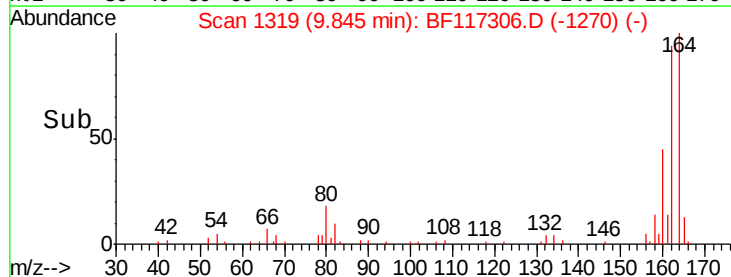
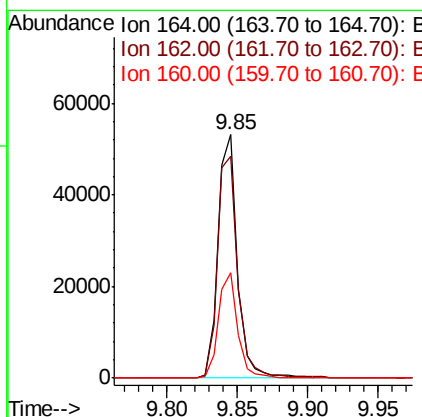
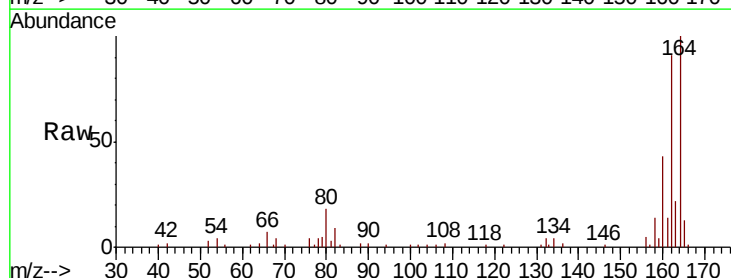
Instrument :
BNA_F
ClientSampleId :

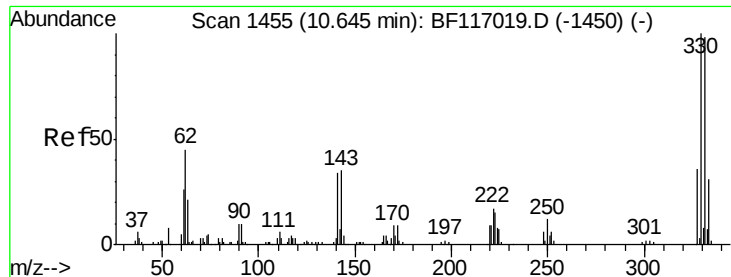
Tot Ion:122 Resp: 250
Ion Ratio Lower Upper
122 100
105 136.6 114.8 154.8
77 113.9 78.7 118.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF117306.D
Acq: 2 Oct 2019 18:14

Tgt Ion:164 Resp: 50487
Ion Ratio Lower Upper
164 100
162 91.4 83.4 125.2
160 43.3 36.4 54.6

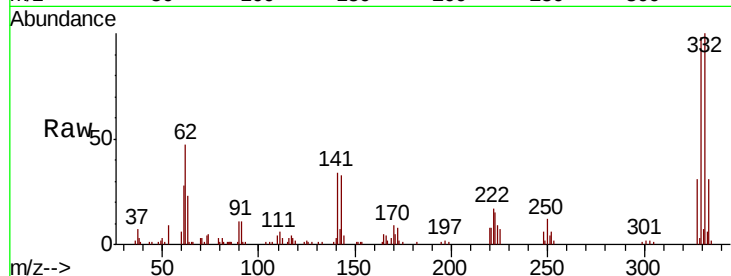




#42
 2,4,6-Tribromophenol
 Concen: 145.909 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF117306.D
 Acq: 2 Oct 2019 18:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	78.0	117.0
141	43.5	35.8	53.6

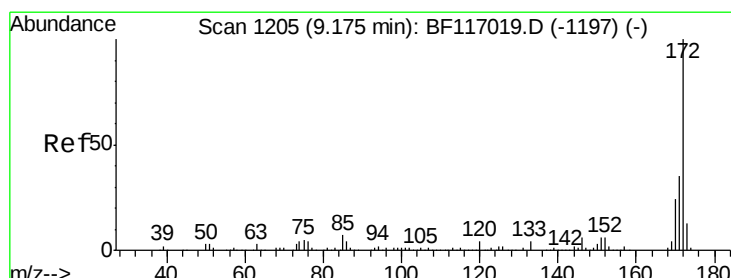
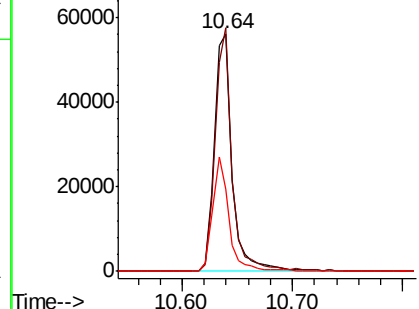
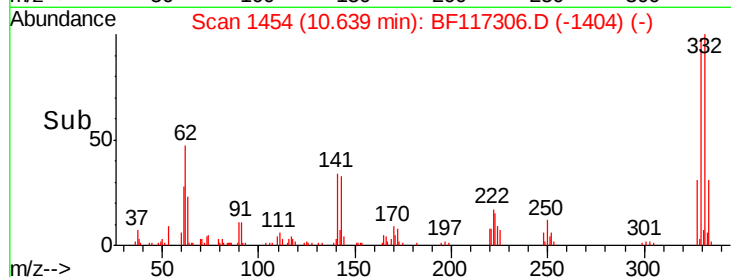


Abundance

Ion 329.80 (329.50 to 330.50): E

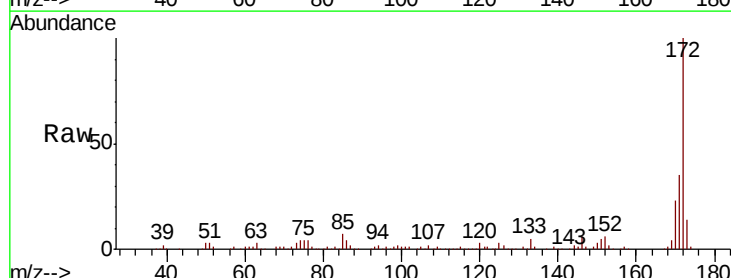
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 94.430 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF117306.D
 Acq: 2 Oct 2019 18:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.2	42.2
170	23.0	18.9	28.3

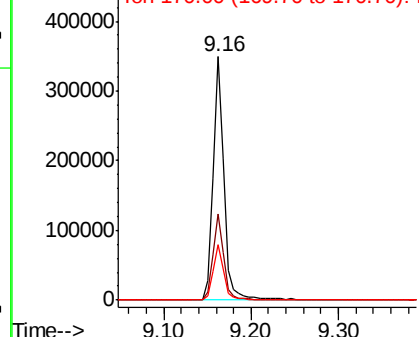
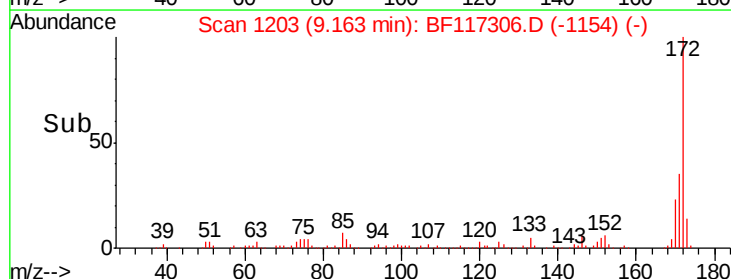


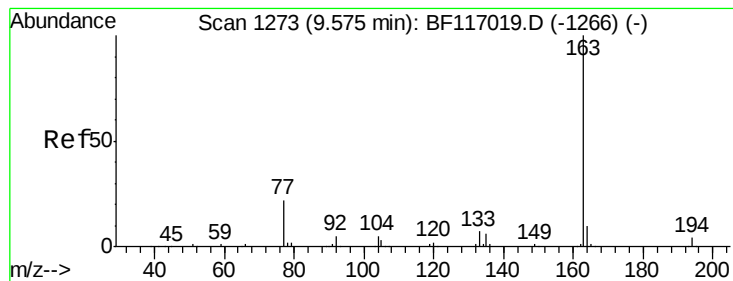
Abundance

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: 4.405 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.02 min

Lab File: BF117306.D

Acq: 2 Oct 2019 18:14

Instrument :

BNA_F

ClientSampleId :

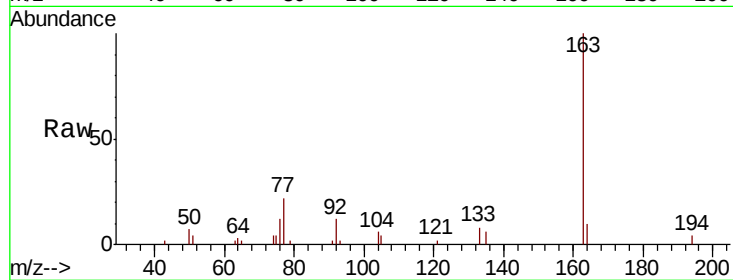
Tot Ion:163 Resp: 15745

Ion Ratio Lower Upper

163 100

194 4.0 2.9 4.3

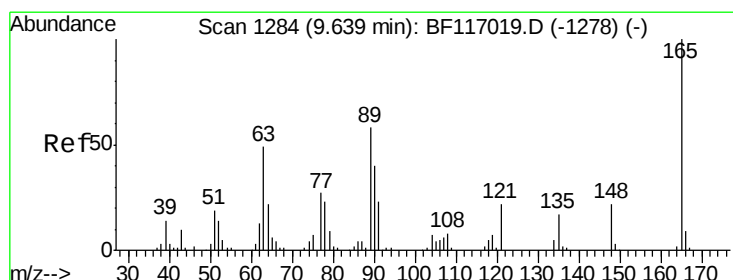
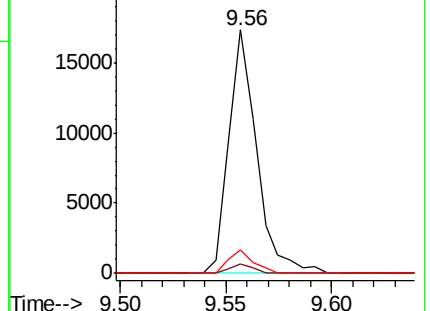
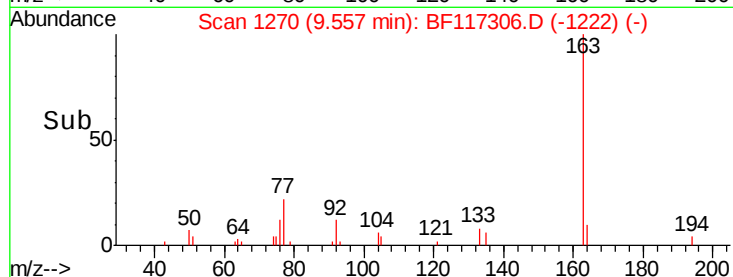
164 9.6 8.2 12.4



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: 8.635 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.21 min

Lab File: BF117306.D

Acq: 2 Oct 2019 18:14

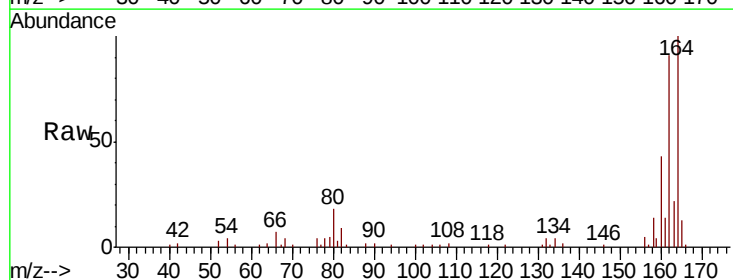
Tgt Ion:165 Resp: 6287

Ion Ratio Lower Upper

165 100

63 0.0 41.8 62.8#

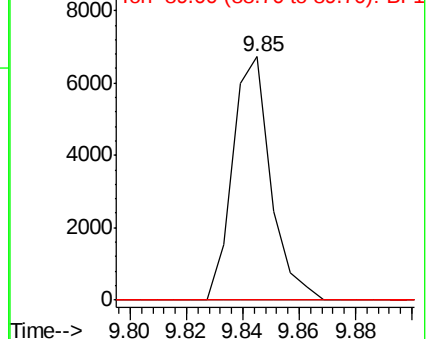
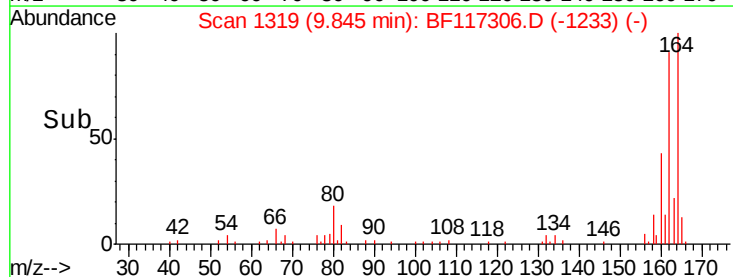
89 0.0 46.5 69.7#

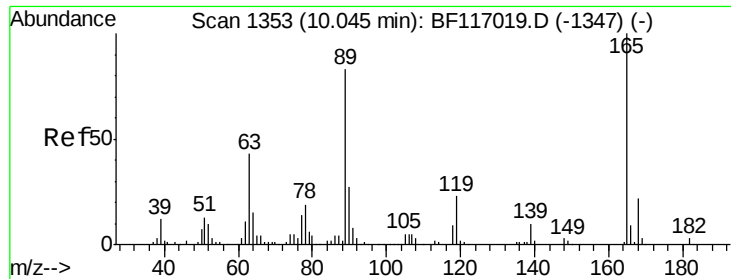


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

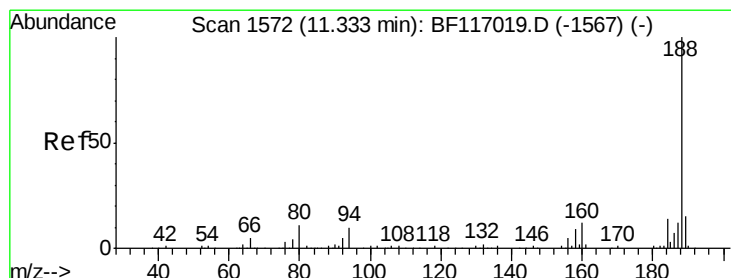
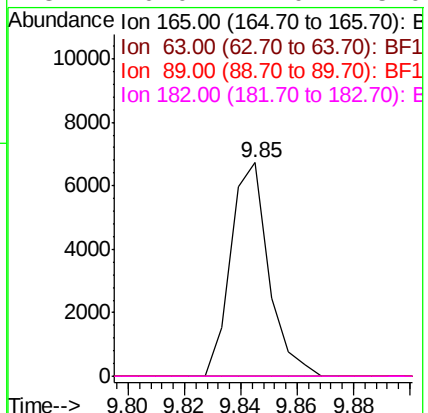
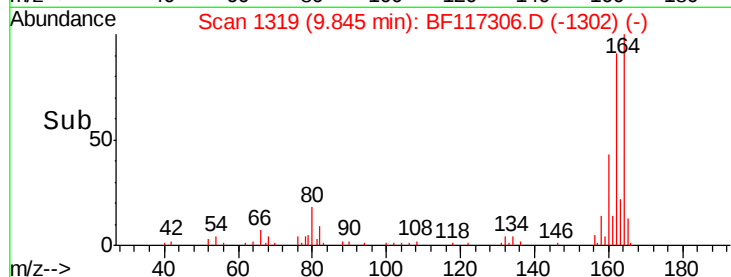
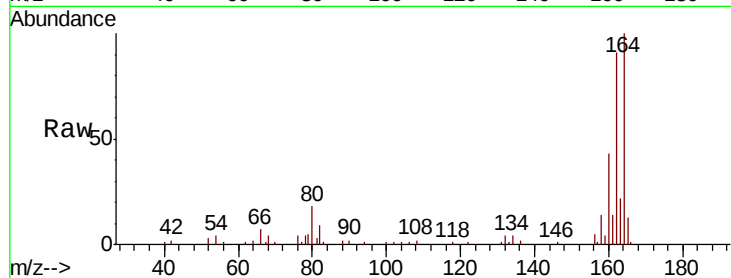




#57
 2,4-Dinitrotoluene
 Concen: 6.652 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.20 min
 Lab File: BF117306.D
 Acq: 2 Oct 2019 18:14

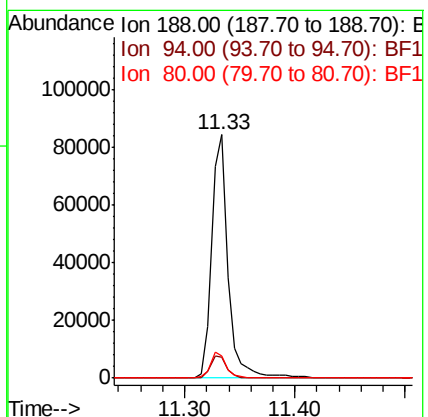
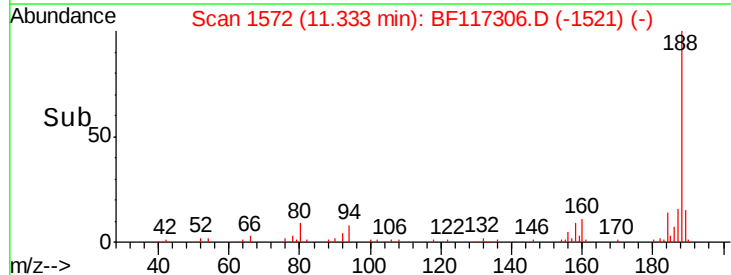
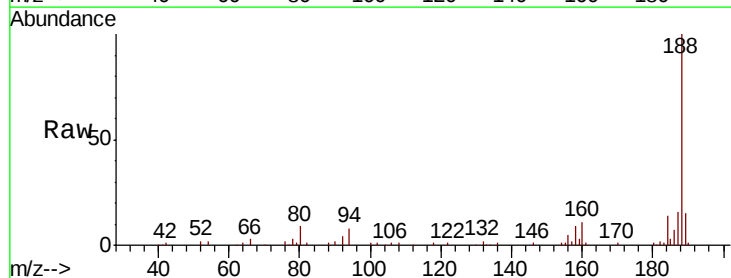
Instrument :
 BNA_F
 ClientSampleId :

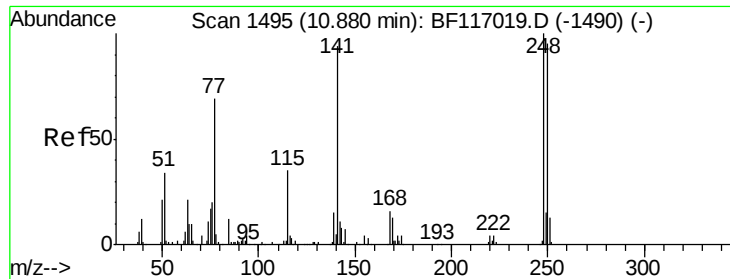
Tot Ion:165 Resp: 6287
 Ion Ratio Lower Upper
 165 100
 63 0.0 35.0 52.4#
 89 0.0 66.1 99.1#
 182 0.0 2.0 3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: BF117306.D
 Acq: 2 Oct 2019 18:14

Tgt Ion:188 Resp: 85313
 Ion Ratio Lower Upper
 188 100
 94 8.4 8.2 12.2
 80 9.3 9.0 13.6

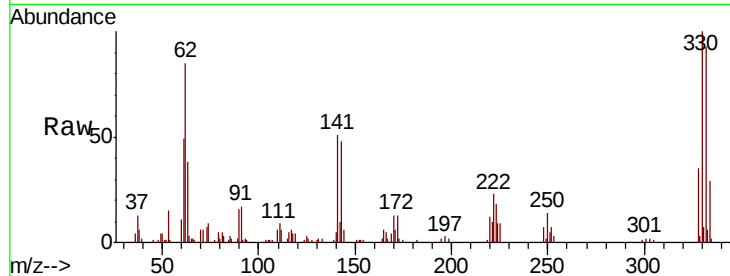




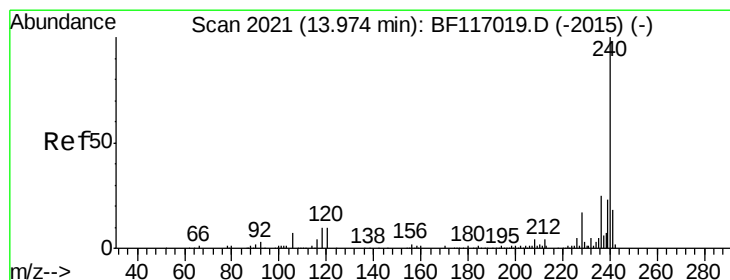
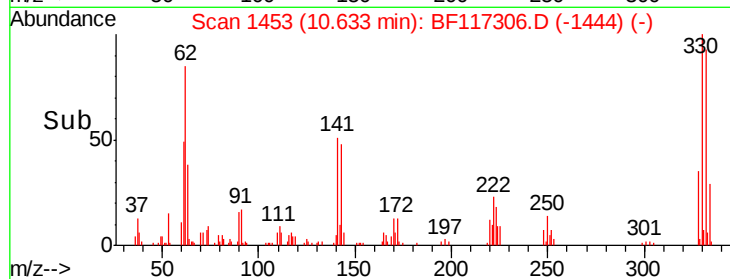
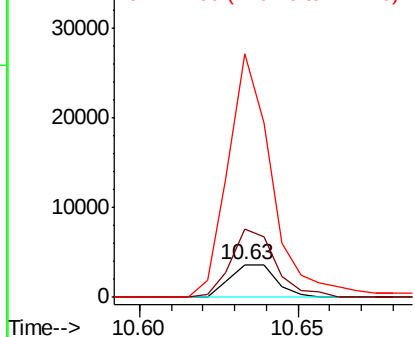
#67
4-Bromophenyl-phenylether
Concen: 4.320 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.25 min
Lab File: BF117306.D
Acq: 2 Oct 2019 18:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 3764
Ion Ratio Lower Upper
248 100
250 206.1 76.2 114.4#
141 741.2 75.0 112.4#

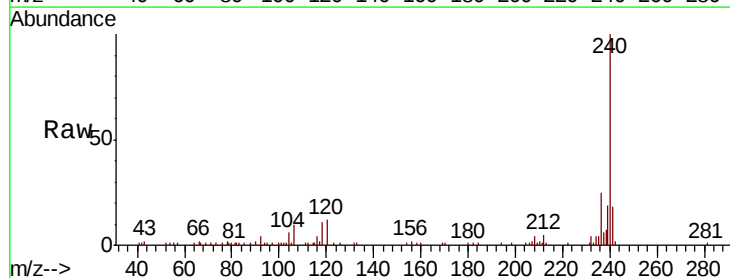


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

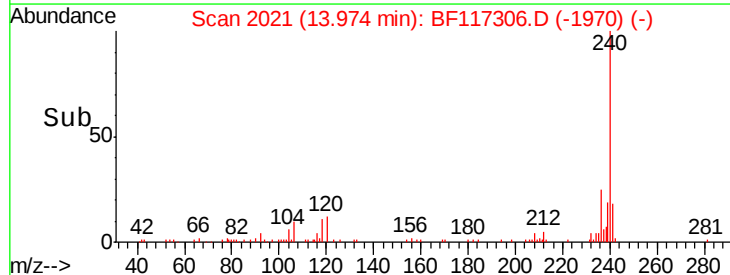
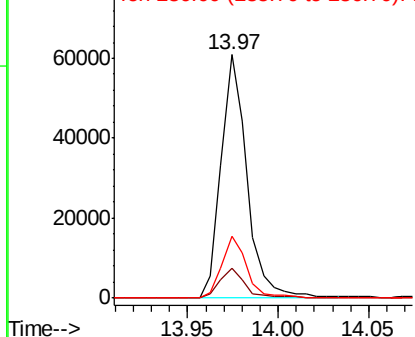


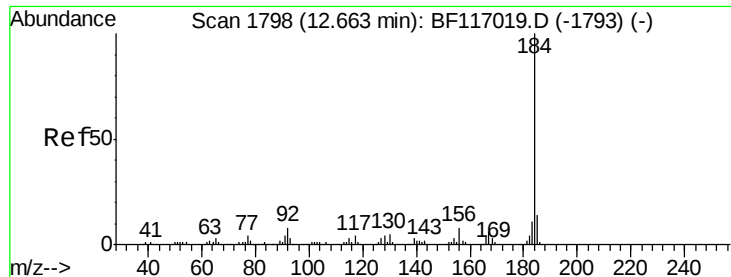
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.00 min
Lab File: BF117306.D
Acq: 2 Oct 2019 18:14

Tgt Ion:240 Resp: 60934
Ion Ratio Lower Upper
240 100
120 12.4 8.3 12.5
236 25.5 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: 2.269 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.25 min

Lab File: BF117306.D

Acq: 2 Oct 2019 18:14

Instrument :

BNA_F

ClientSampleId :

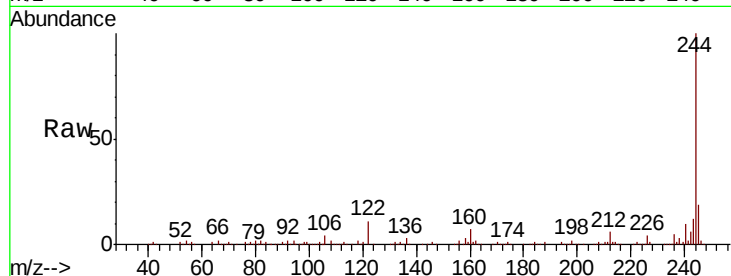
Tot Ion:184 Resp: 4454

Ion Ratio Lower Upper

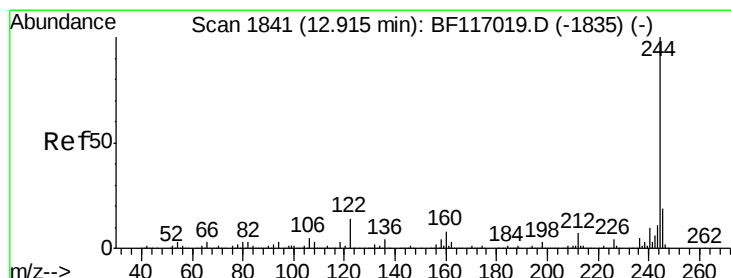
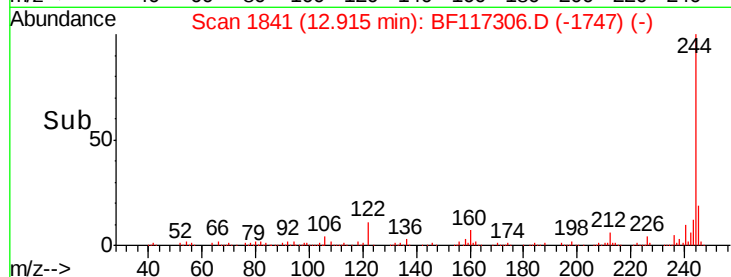
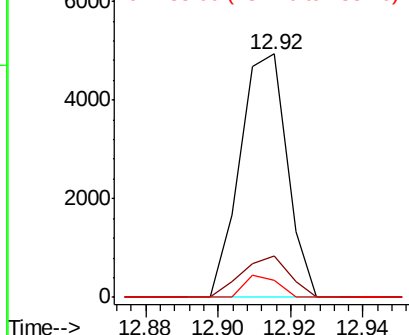
184 100

185 16.9 11.6 17.4

183 7.2 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: 99.162 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.00 min

Lab File: BF117306.D

Acq: 2 Oct 2019 18:14

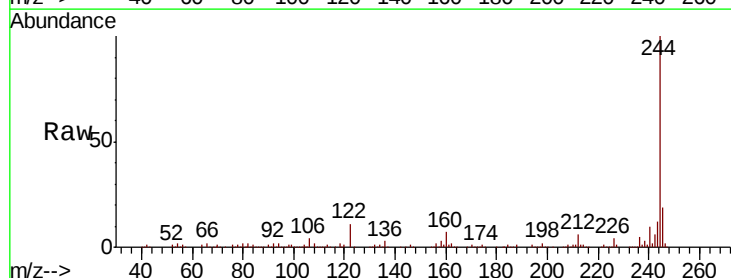
Tgt Ion:244 Resp: 323254

Ion Ratio Lower Upper

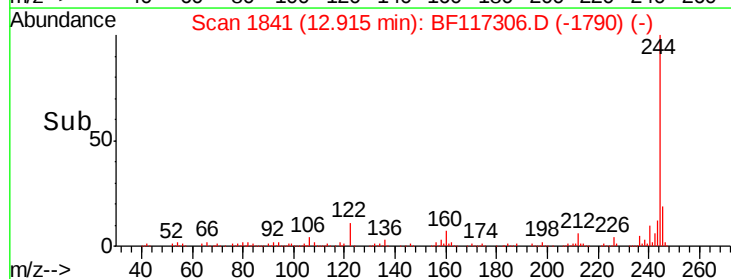
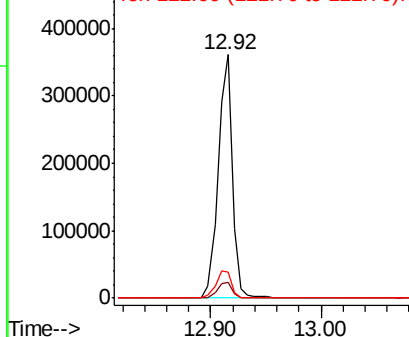
244 100

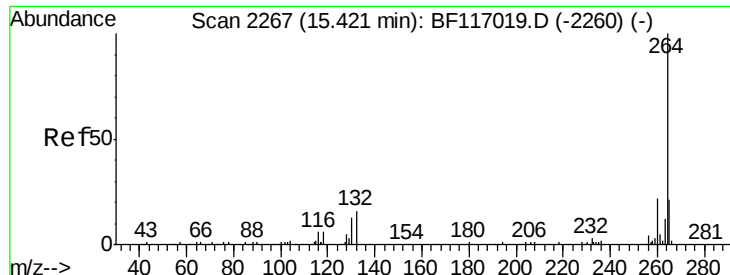
212 6.3 5.8 8.8

122 10.9 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

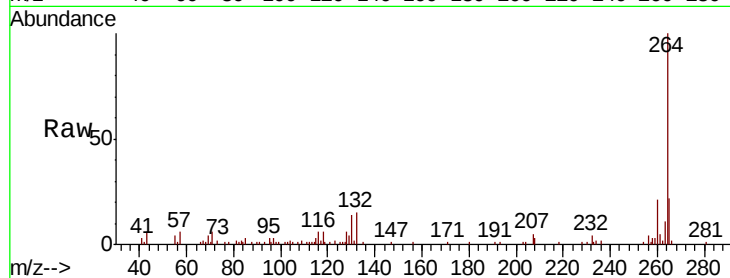




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. 0.01 min
 Lab File: BF117306.D
 Acq: 2 Oct 2019 18:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	20.6	17.6	26.4
265	22.5	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

