

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100219\
 Data File : BF117309.D
 Acq On : 2 Oct 2019 19:35
 Operator : JU
 Sample : K5131-16
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 03 01:32:31 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

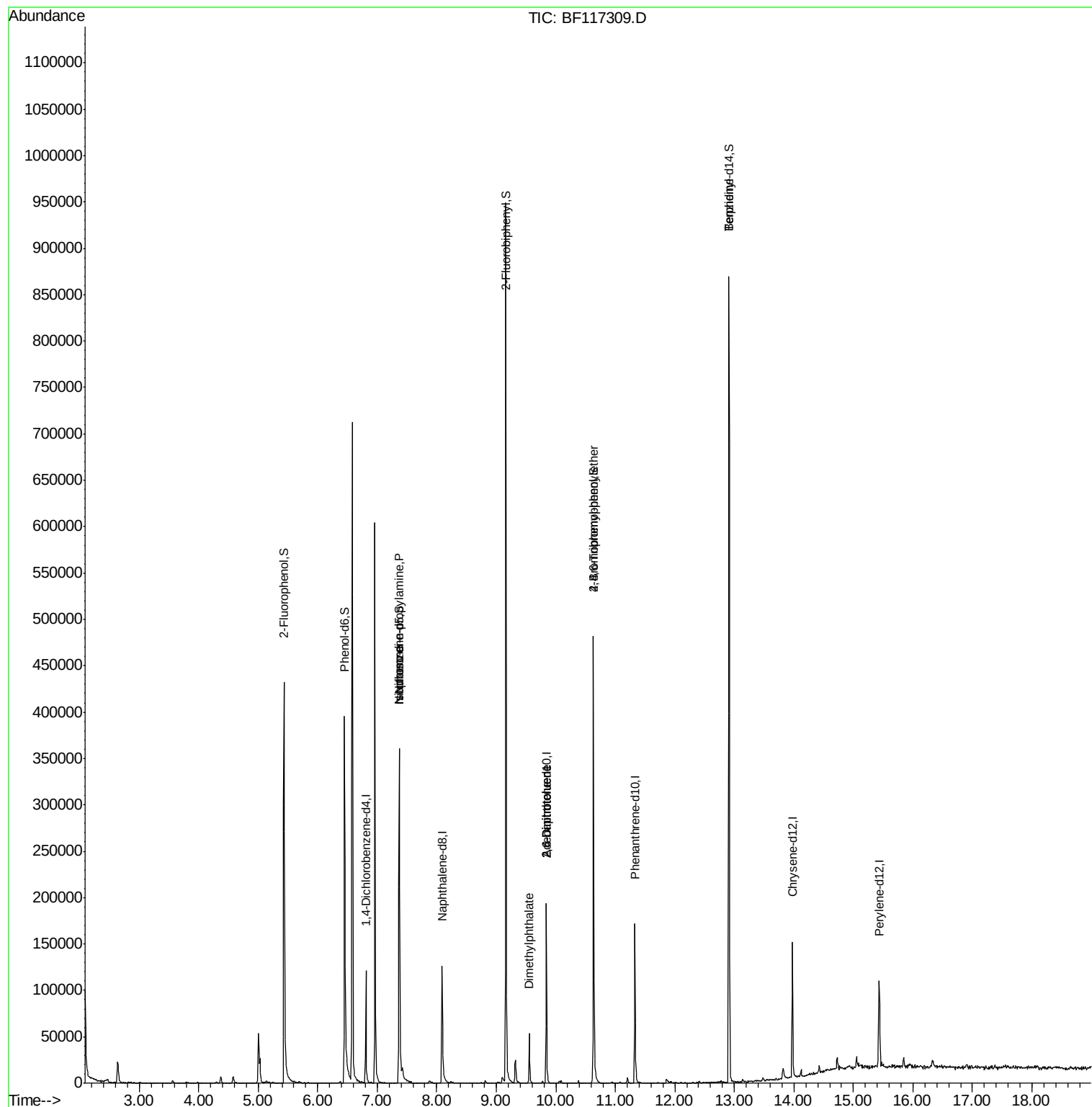
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	21386	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	83677	20.00	ng	-0.01
39) Acenaphthene-d10	9.84	164	45066	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	74731	20.00	ng	0.00
76) Chrysene-d12	13.97	240	53724	20.00	ng	0.00
87) Perylene-d12	15.43	264	48147	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	157389	114.90	ng	0.00
7) Phenol-d6	6.45	99	183643	103.74	ng	0.00
23) Nitrobenzene-d5	7.37	82	147030	92.32	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	55356	146.97	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	285581	99.08	ng	-0.01
79) Terphenyl-d14	12.91	244	283794	98.74	ng	0.00
Target Compounds						
9) Benzaldehyde	6.38	77	872	Below Cal		Qvalue # 81
19) n-Nitroso-di-n-propylamine	7.37	70	19317	17.920 ng	#	81
25) Isophorone	7.37	82	147028	52.142 ng	#	66
50) Dimethylphthalate	9.56	163	23192	7.268 ng		100
51) 2,6-Dinitrotoluene	9.84	165	6112	9.405 ng	#	24
57) 2,4-Dinitrotoluene	9.84	165	6112	7.245 ng	#	18
67) 4-Bromophenyl-phenylether	10.63	248	3211	4.207 ng	#	1
77) Benzidine	12.91	184	3705	2.141 ng		96

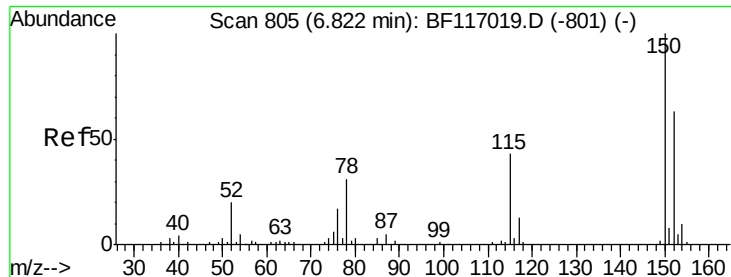
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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



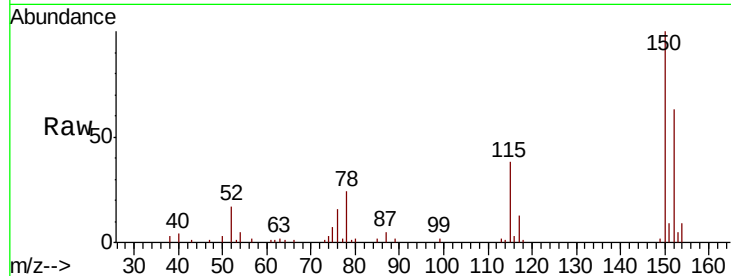


#1

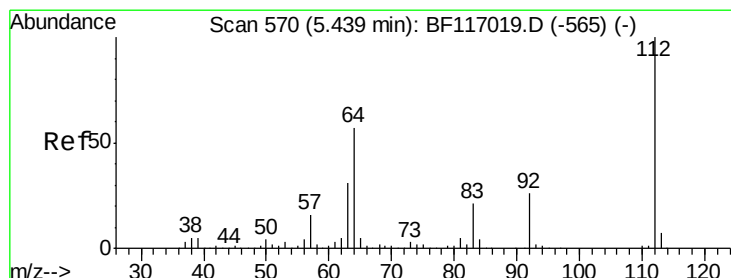
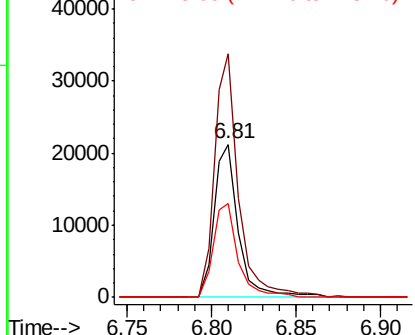
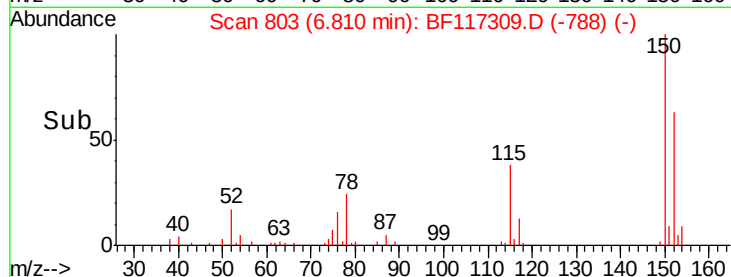
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF117309.D
Acq: 2 Oct 2019 19:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 21386
Ion Ratio Lower Upper
152 100
150 158.9 127.5 191.3
115 60.9 55.0 82.4



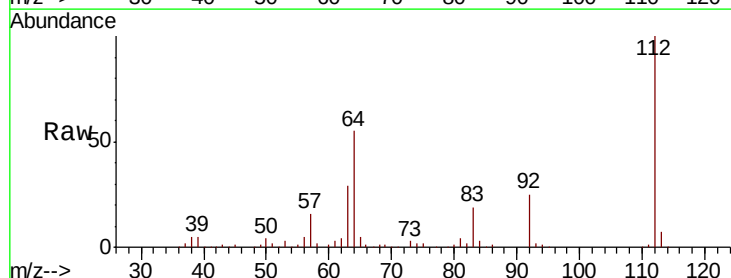
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



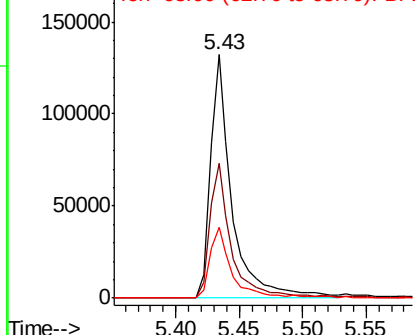
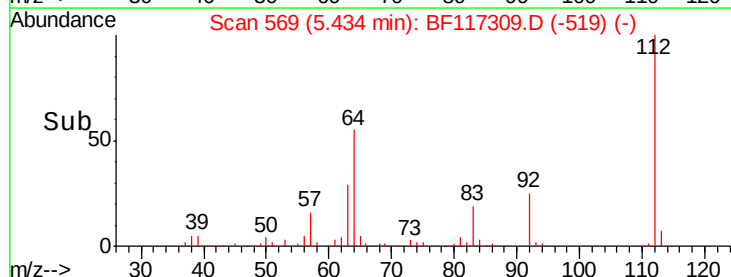
#5

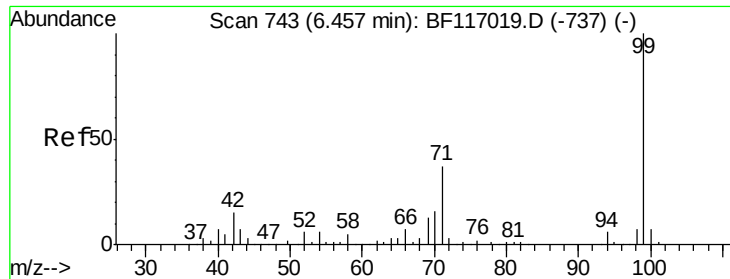
2-Fluorophenol
Concen: 114.899 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF117309.D
Acq: 2 Oct 2019 19:35

Tgt Ion:112 Resp: 157389
Ion Ratio Lower Upper
112 100
64 55.5 45.7 68.5
63 29.3 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: 103.737 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF117309.D

Acq: 2 Oct 2019 19:35

Instrument :

BNA_F

ClientSampleId :

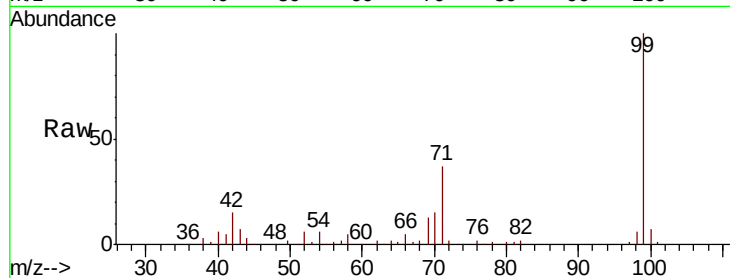
Tot Ion: 99 Resp: 183643

Ion Ratio Lower Upper

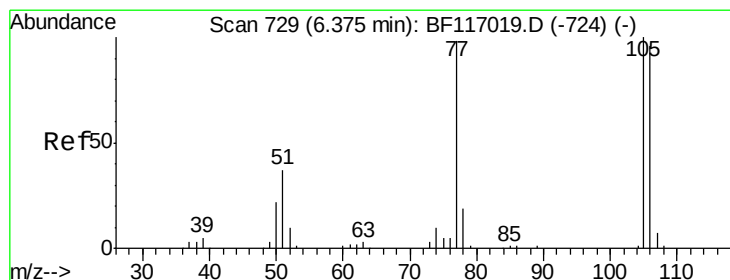
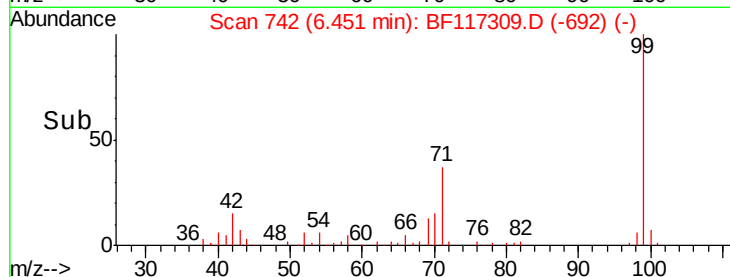
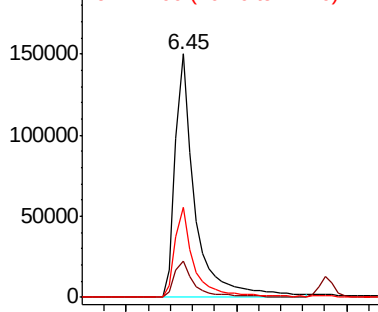
99 100

42 14.7 12.2 18.2

71 37.0 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: 6.38 min Scan# 730

Delta R.T. 0.01 min

Lab File: BF117309.D

Acq: 2 Oct 2019 19:35

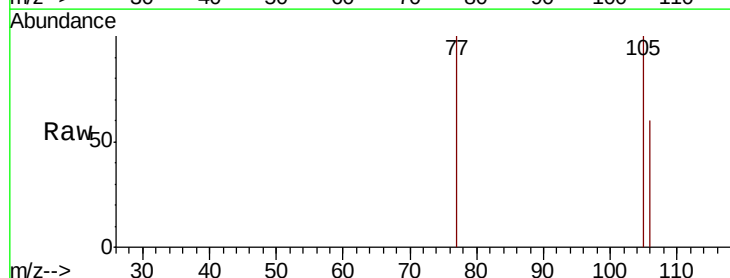
Tgt Ion: 77 Resp: 872

Ion Ratio Lower Upper

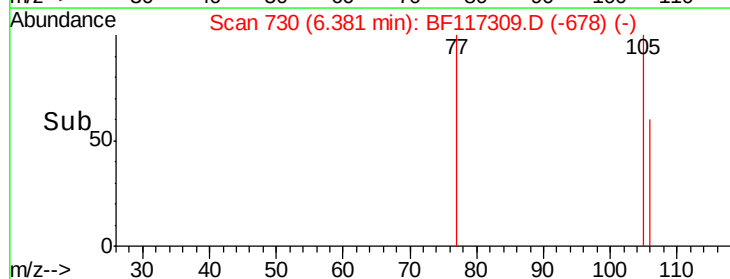
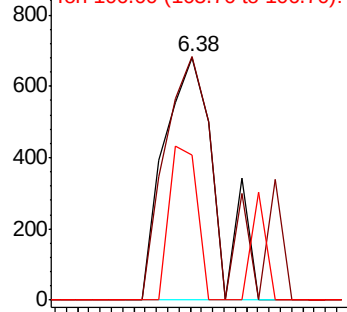
77 100

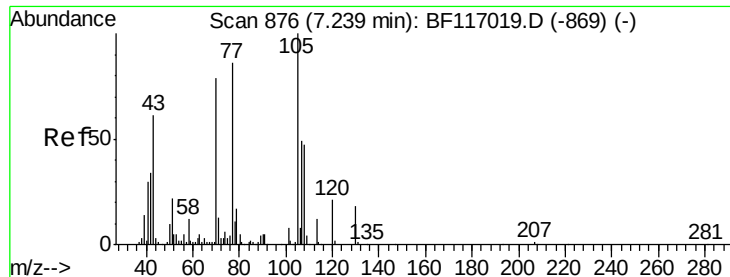
105 100.4 81.8 121.8

106 60.0 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

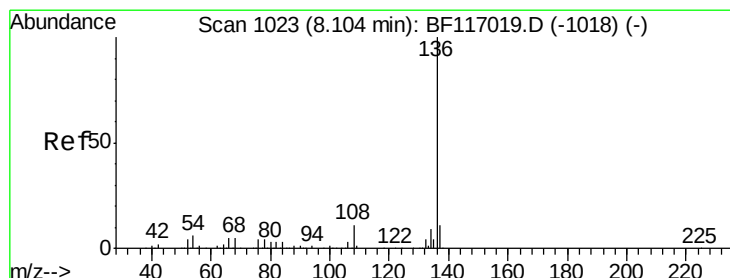
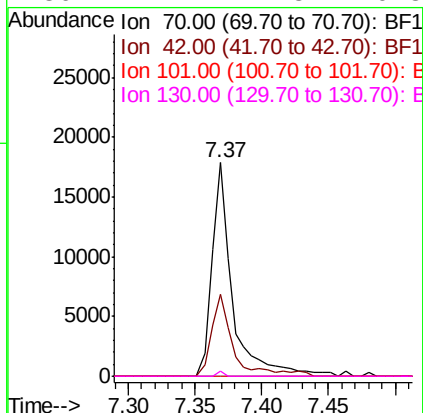
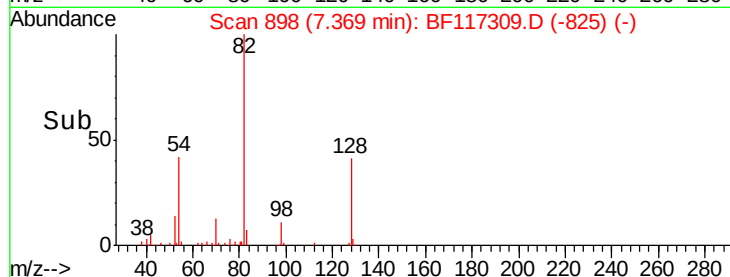
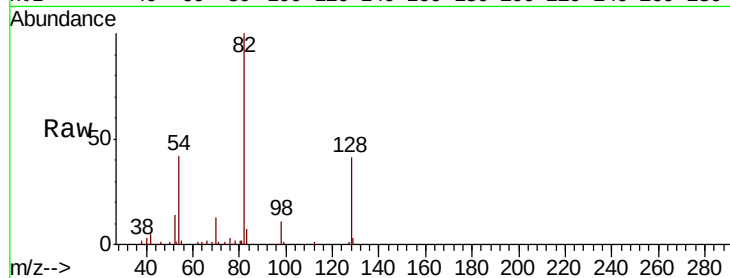




#19
n-Nitroso-di-n-propylamine
Concen: 17.920 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.13 min
Lab File: BF117309.D
Acq: 2 Oct 2019 19:35

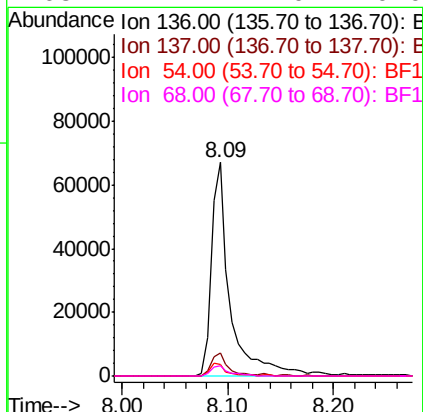
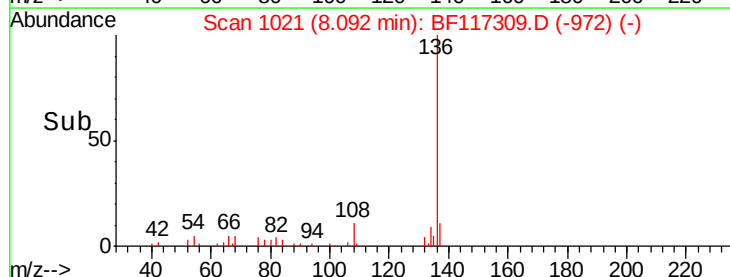
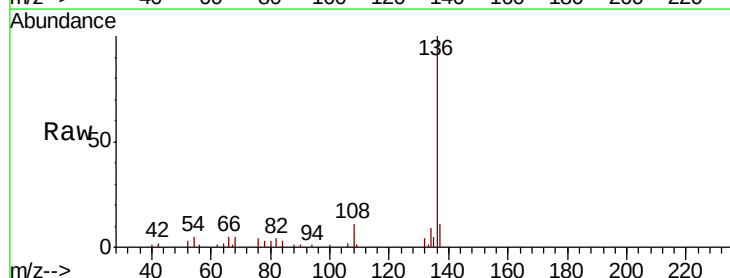
Instrument :
BNA_F
ClientSampleId :

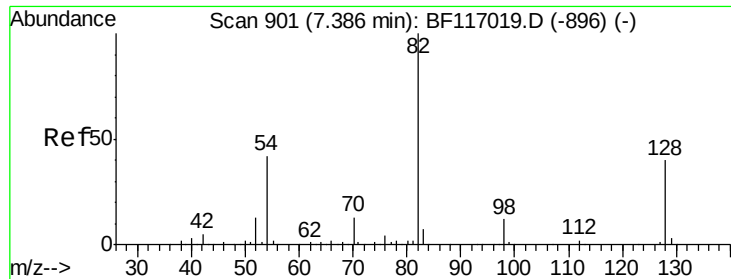
Tot Ion	Ratio	Lower	Upper
70	100		
42	38.5	34.0	51.0
101	0.0	7.8	11.6#
130	2.7	17.8	26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF117309.D
Acq: 2 Oct 2019 19:35

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	5.4	4.5	6.7
68	4.7	4.0	6.0

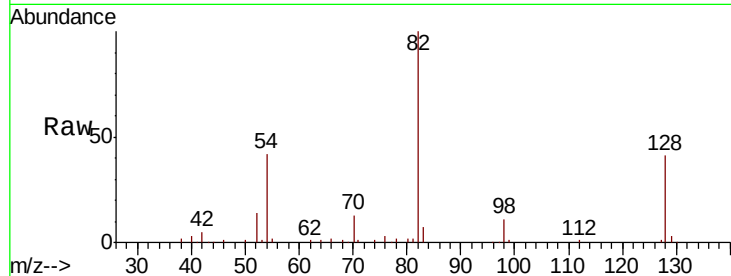




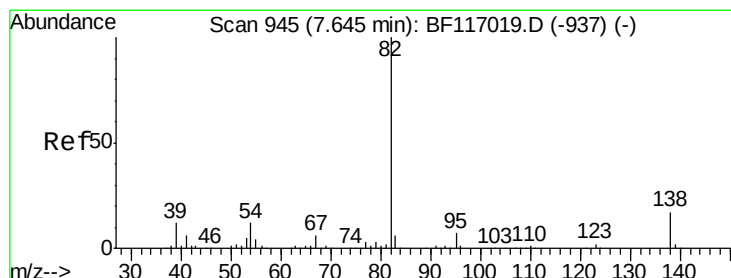
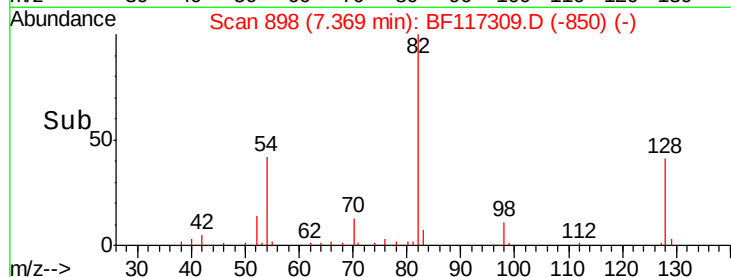
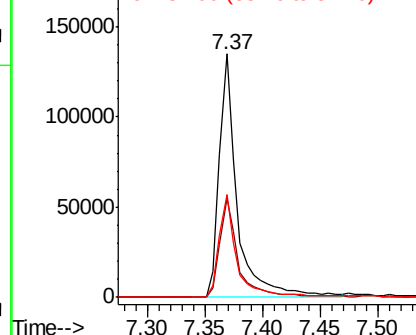
#23
Nitrobenzene-d5
Concen: 92.323 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.02 min
Lab File: BF117309.D
Acq: 2 Oct 2019 19:35

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	147030
Ion Ratio	Lower	Upper	
82	100		
128	40.7	32.3	48.5
54	42.1	33.3	49.9

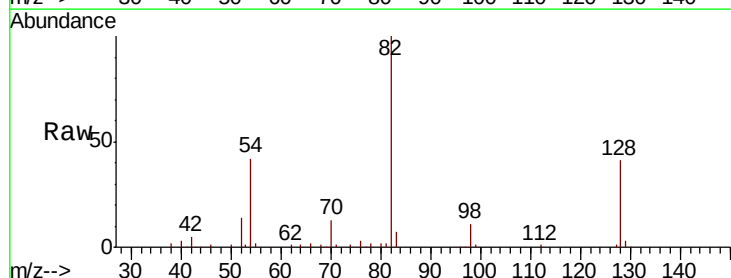


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

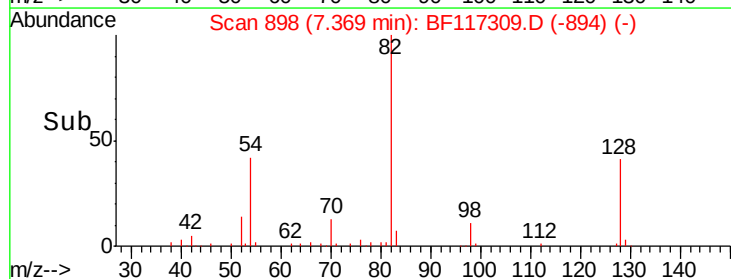
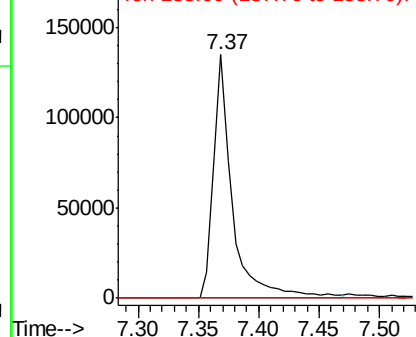


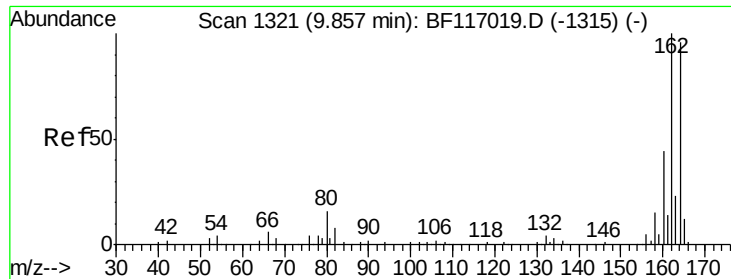
#25
Isophorone
Concen: 52.142 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.28 min
Lab File: BF117309.D
Acq: 2 Oct 2019 19:35

Tgt Ion	82	Resp	147028
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

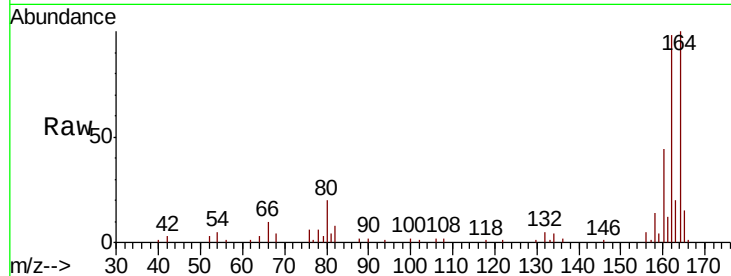




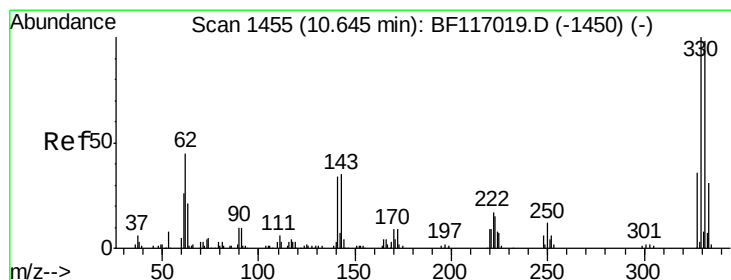
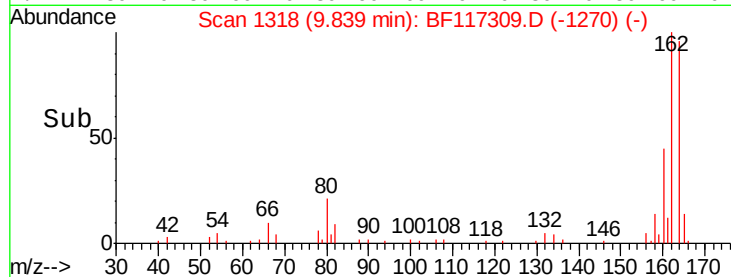
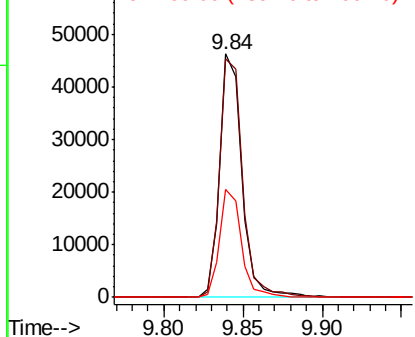
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.02 min
Lab File: BF117309.D
Acq: 2 Oct 2019 19:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 45066
Ion Ratio Lower Upper
164 100
162 98.2 83.4 125.2
160 44.2 36.4 54.6

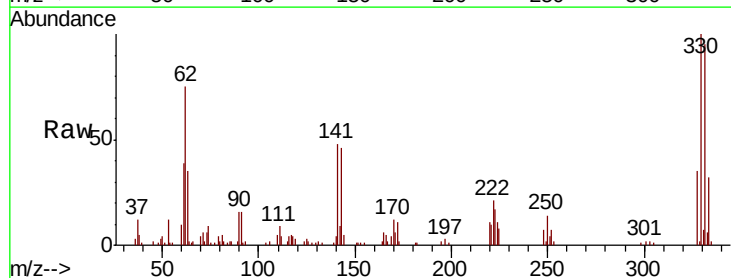


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

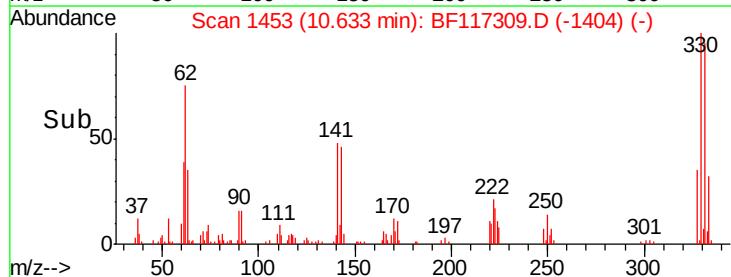
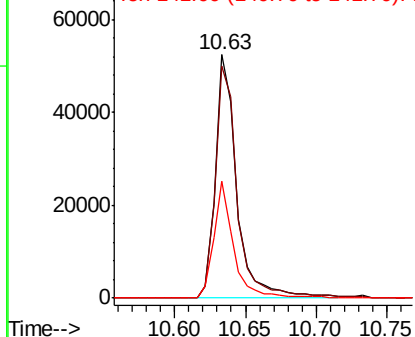


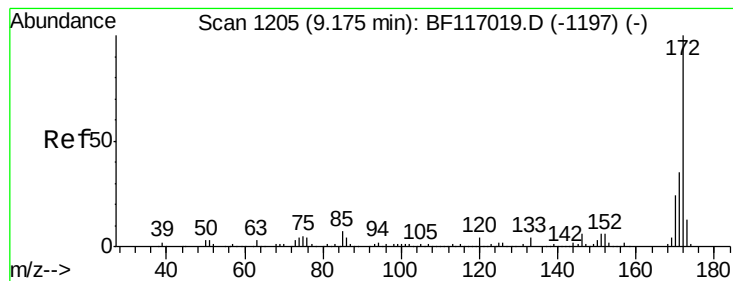
#42
2,4,6-Tribromophenol
Concen: 146.970 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.01 min
Lab File: BF117309.D
Acq: 2 Oct 2019 19:35

Tgt Ion:330 Resp: 55356
Ion Ratio Lower Upper
330 100
332 98.8 78.0 117.0
141 43.7 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: 99.083 ng

RT: 9.16 min Scan# 1203

Delta R.T. -0.01 min

Lab File: BF117309.D

Acq: 2 Oct 2019 19:35

Instrument :

BNA_F

ClientSampleId :

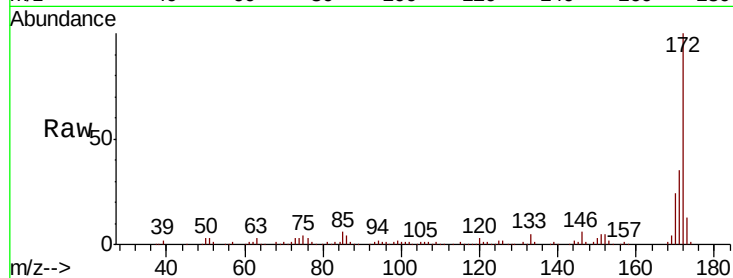
Tot Ion:172 Resp: 285581

Ion Ratio Lower Upper

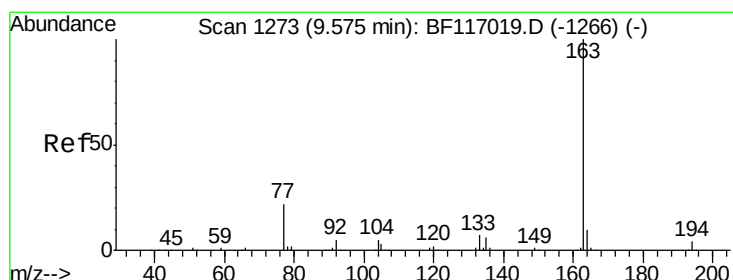
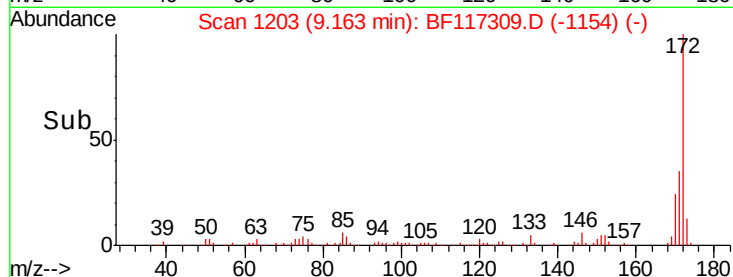
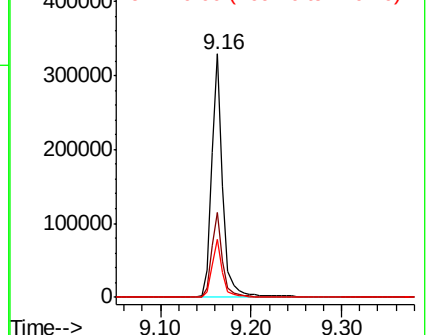
172 100

171 35.1 28.2 42.2

170 23.6 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: 7.268 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.02 min

Lab File: BF117309.D

Acq: 2 Oct 2019 19:35

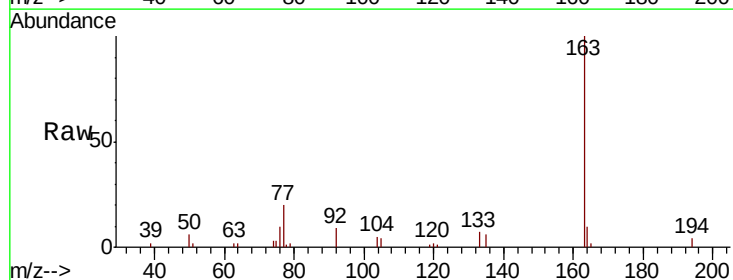
Tgt Ion:163 Resp: 23192

Ion Ratio Lower Upper

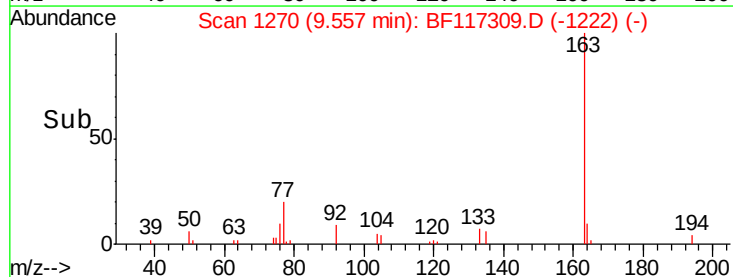
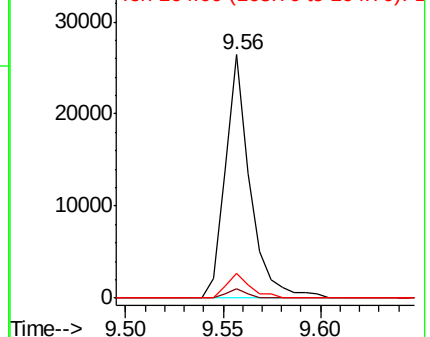
163 100

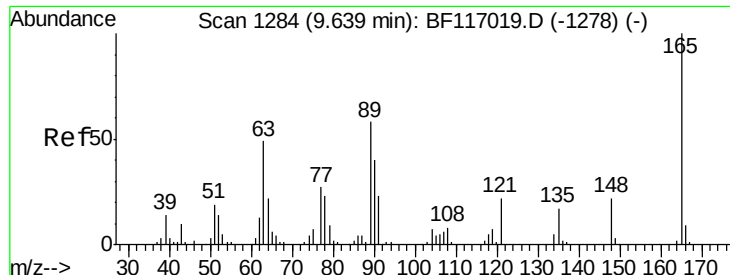
194 3.7 2.9 4.3

164 10.1 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

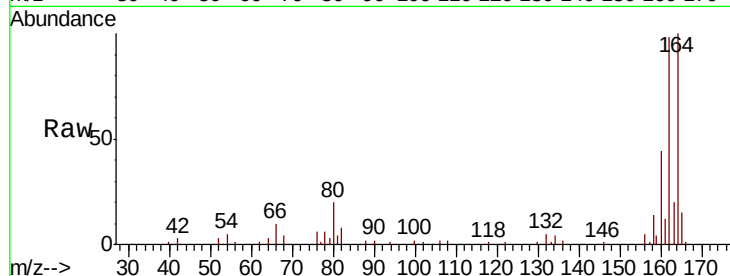




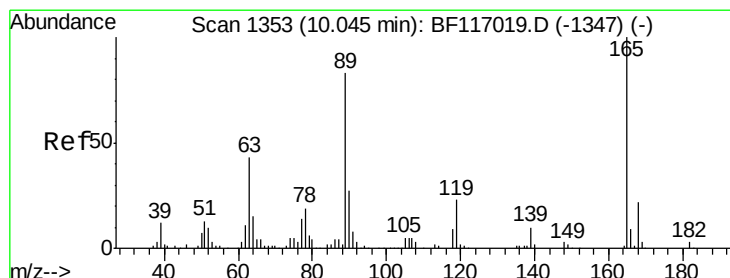
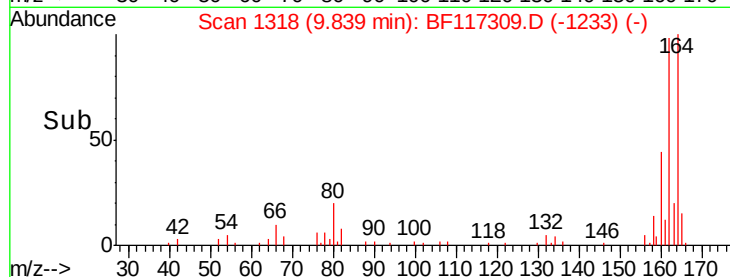
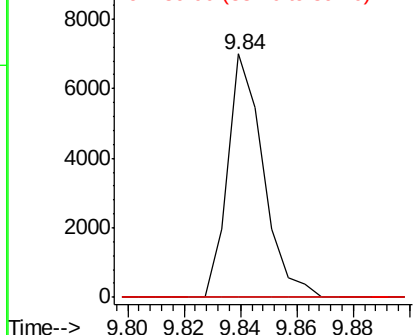
#51
 2,6-Dinitrotoluene
 Concen: 9.405 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.20 min
 Lab File: BF117309.D
 Acq: 2 Oct 2019 19:35

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#



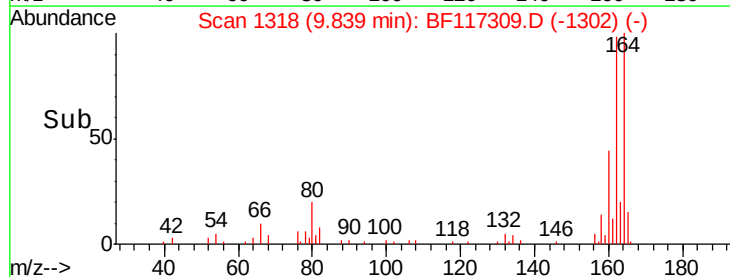
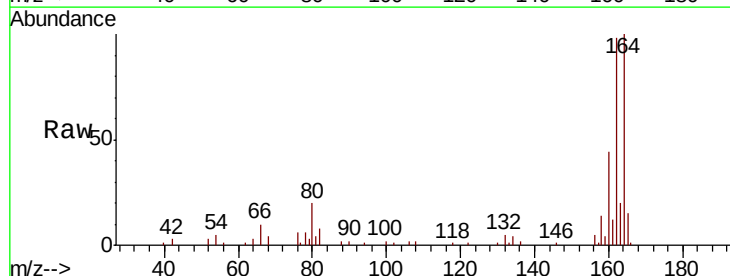
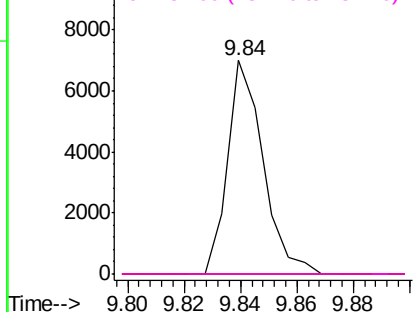
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

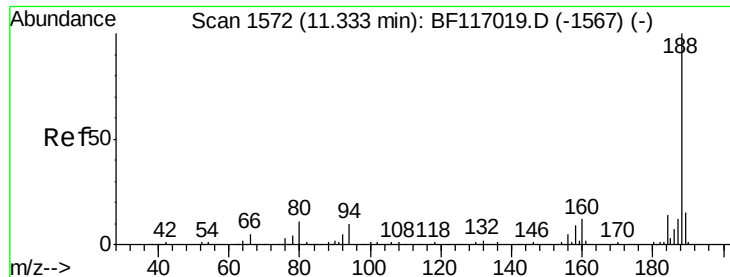


#57
 2,4-Dinitrotoluene
 Concen: 7.245 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.21 min
 Lab File: BF117309.D
 Acq: 2 Oct 2019 19:35

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# 1571

Delta R.T. -0.01 min

Lab File: BF117309.D

Acq: 2 Oct 2019 19:35

Instrument :

BNA_F

ClientSampleId :

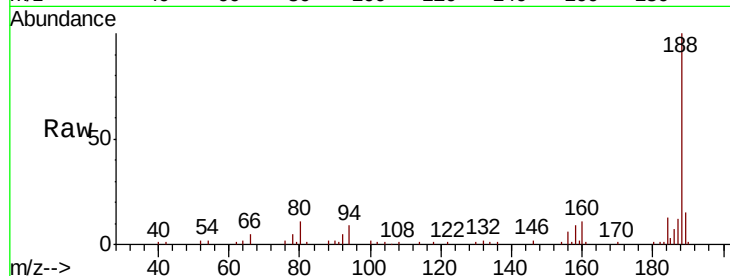
Tot Ion:188 Resp: 74731

Ion Ratio Lower Upper

188 100

94 9.5 8.2 12.2

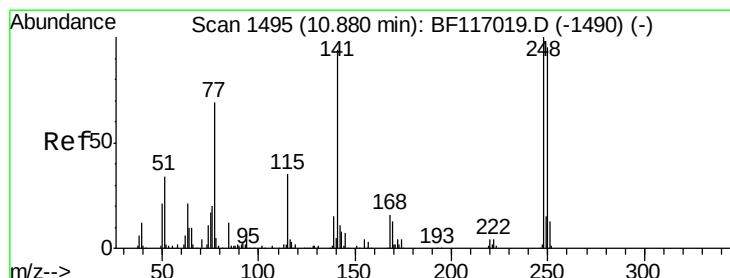
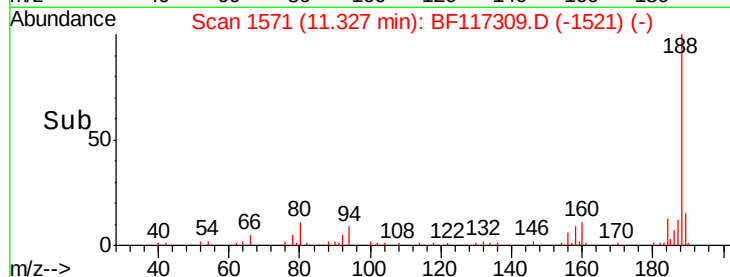
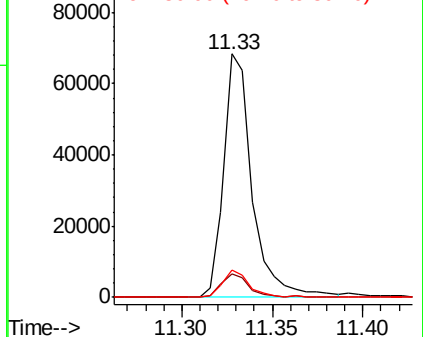
80 11.3 9.0 13.6



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



#67

4-Bromophenyl-phenylether

Concen: 4.207 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.25 min

Lab File: BF117309.D

Acq: 2 Oct 2019 19:35

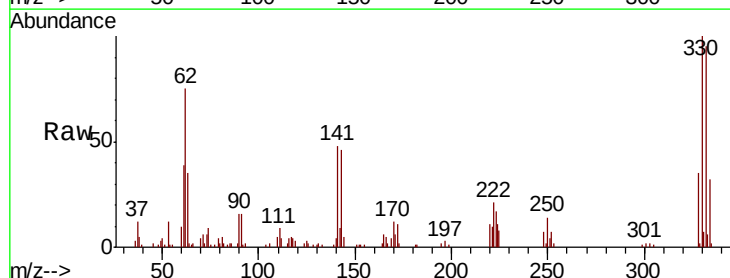
Tgt Ion:248 Resp: 3211

Ion Ratio Lower Upper

248 100

250 189.0 76.2 114.4#

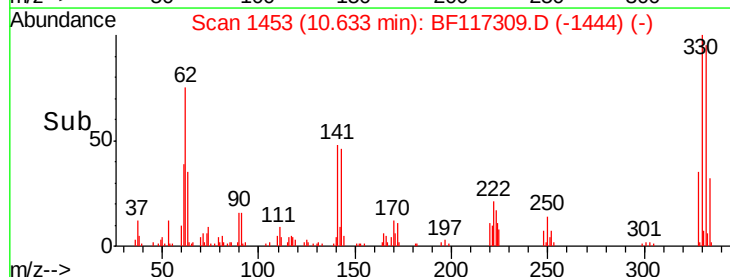
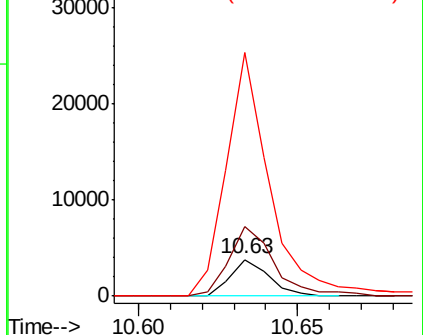
141 665.4 75.0 112.4#

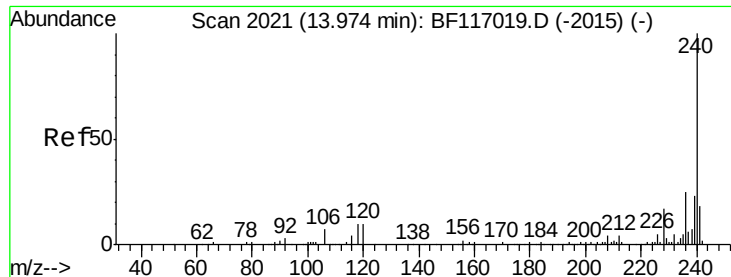


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

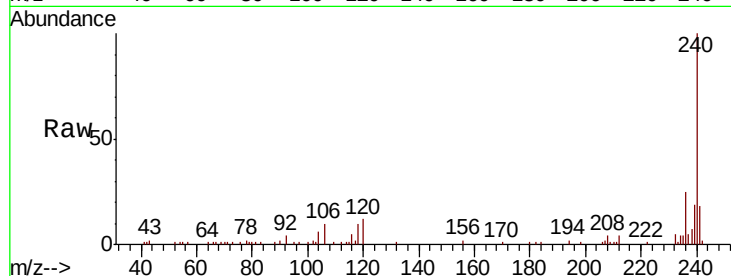




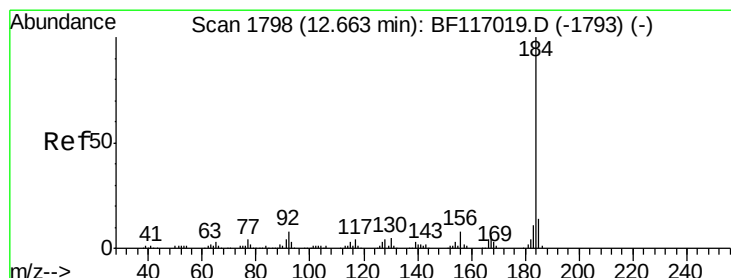
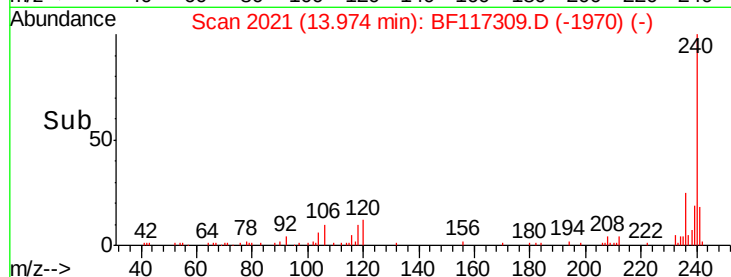
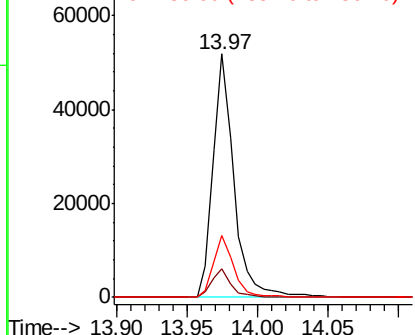
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. 0.00 min
 Lab File: BF117309.D
 Acq: 2 Oct 2019 19:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:240 Resp: 53724
 Ion Ratio Lower Upper
 240 100
 120 11.8 8.3 12.5
 236 25.2 20.3 30.5

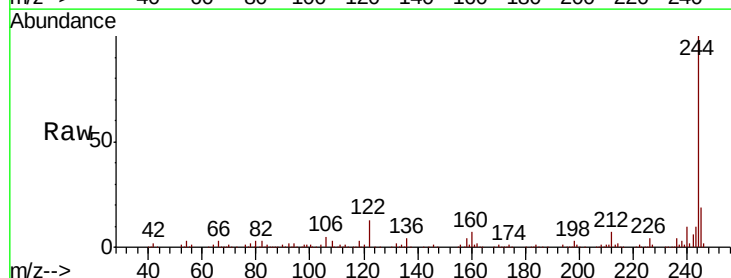


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

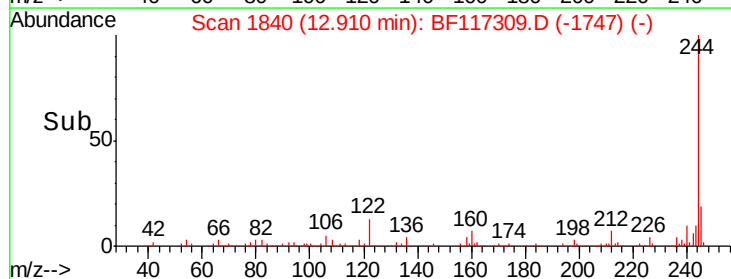
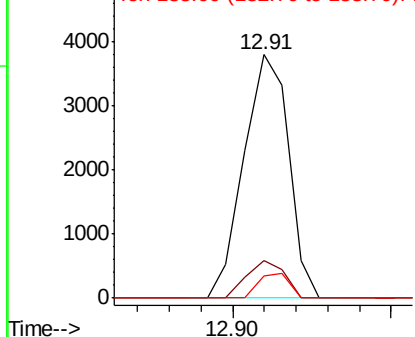


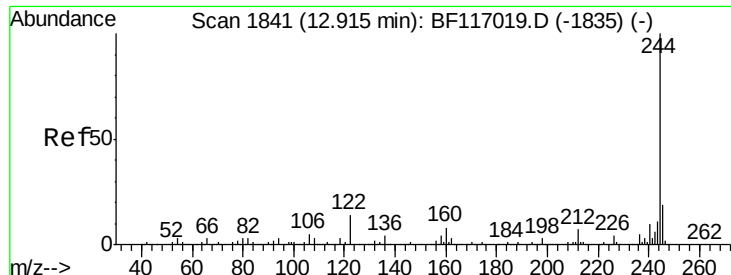
#77
 Benzidine
 Concen: 2.141 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. 0.25 min
 Lab File: BF117309.D
 Acq: 2 Oct 2019 19:35

Tgt Ion:184 Resp: 3705
 Ion Ratio Lower Upper
 184 100
 185 15.6 11.6 17.4
 183 9.3 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: 98.741 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.01 min

Lab File: BF117309.D

Acq: 2 Oct 2019 19:35

Instrument :

BNA_F

ClientSampleId :

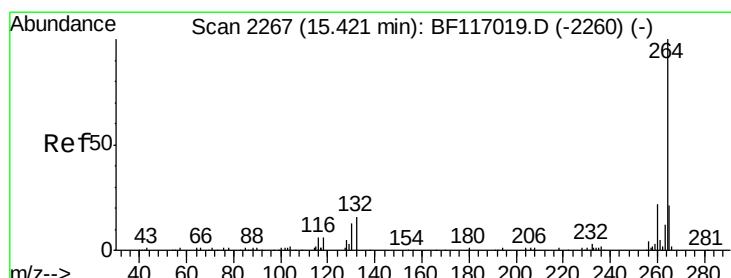
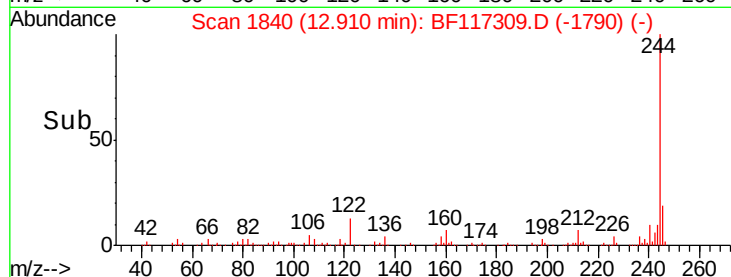
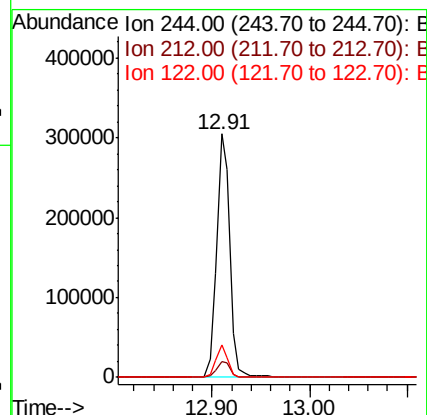
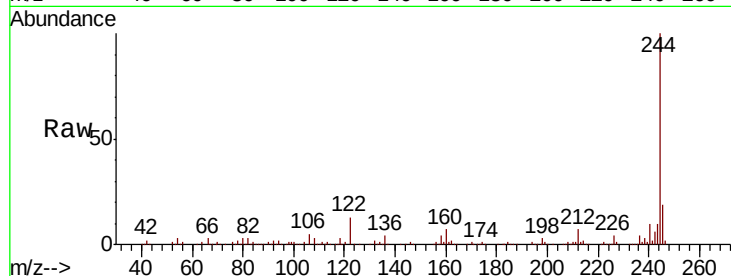
Tot Ion:244 Resp: 283794

Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.8

122 13.3 11.3 16.9



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.43 min Scan# 2269

Delta R.T. 0.01 min

Lab File: BF117309.D

Acq: 2 Oct 2019 19:35

Tgt Ion:264 Resp: 48147

Ion Ratio Lower Upper

264 100

260 23.3 17.6 26.4

265 19.9 16.6 24.8

