

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
 Data File : BF117619.D
 Acq On : 30 Oct 2019 12:53
 Operator : JU
 Sample : K5539-13
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 31 01:23:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 18:53:31 2019
 Response via : Initial Calibration

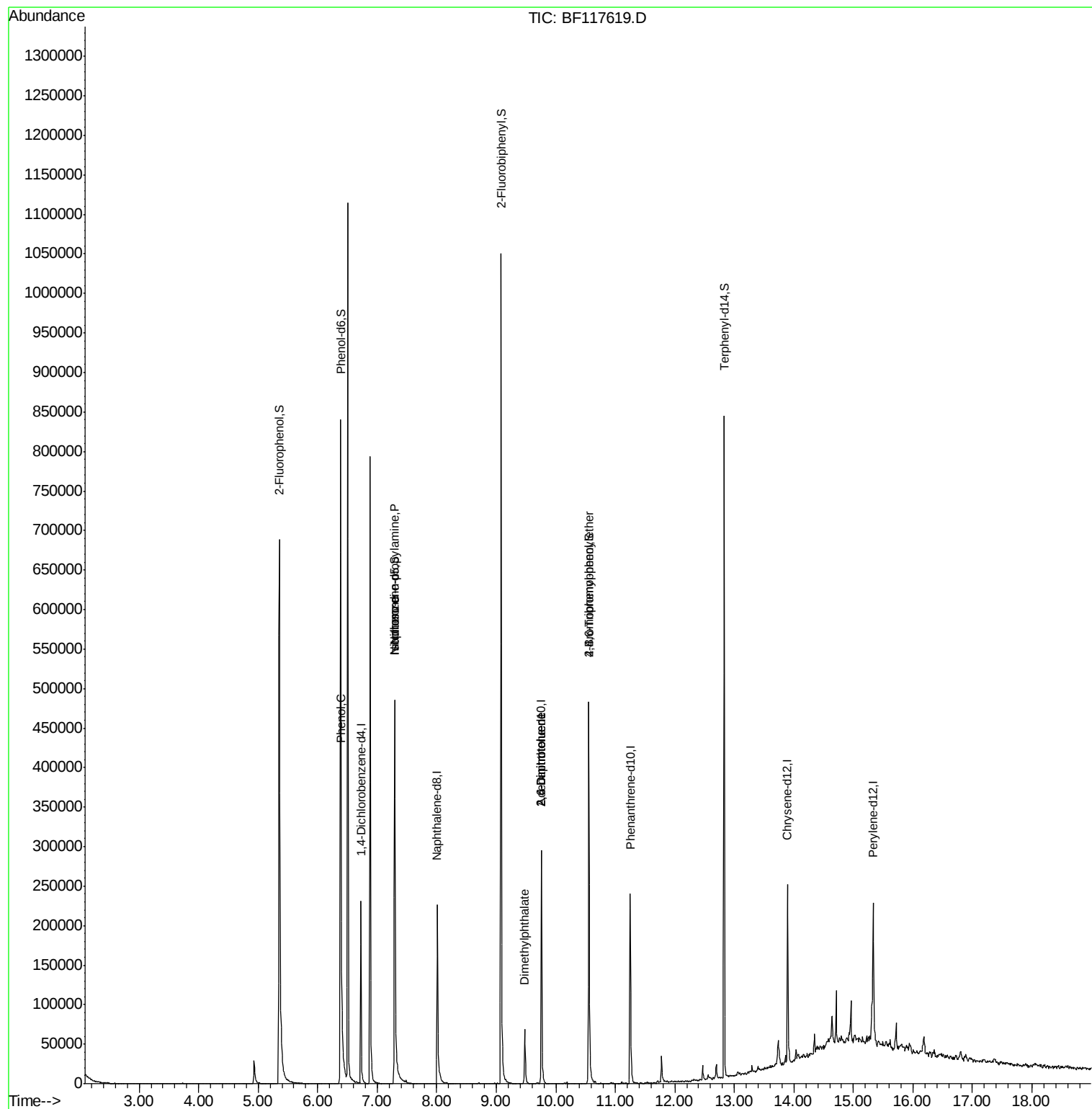
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	37844	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	148090	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	72362	20.00	ng	-0.01
64) Phenanthrene-d10	11.25	188	109973	20.00	ng	0.00
76) Chrysene-d12	13.89	240	76974	20.00	ng	0.00
87) Perylene-d12	15.33	264	80184	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	275715	108.39	ng	0.00
7) Phenol-d6	6.39	99	382345	111.91	ng	0.00
23) Nitrobenzene-d5	7.29	82	220133	73.38	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	63567	101.53	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	348769	67.91	ng	-0.01
79) Terphenyl-d14	12.83	244	265102	56.18	ng	0.00
Target Compounds						
9) Benzaldehyde	6.39	77	519	Below Cal	Qvalue #	3
10) Phenol	6.40	94	10688	3.065 ng	#	94
19) n-Nitroso-di-n-propylamine	7.29	70	29853	14.307 ng	#	78
25) Isophorone	7.29	82	220131	42.420 ng	#	65
50) Dimethylphthalate	9.48	163	38535	7.470 ng	#	98
51) 2,6-Dinitrotoluene	9.76	165	9281	8.622 ng	#	22
57) 2,4-Dinitrotoluene	9.76	165	9281	6.485 ng	#	12
67) 4-Bromophenyl-phenylether	10.56	248	3931	3.319 ng	#	1
77) Benzidine	12.83	184	3360	Below Cal	#	90

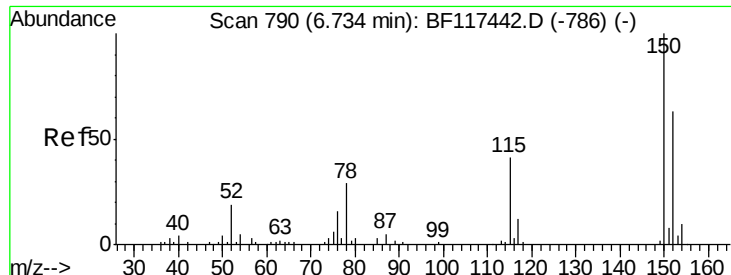
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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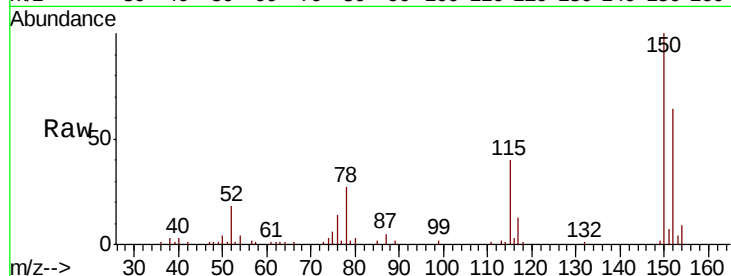




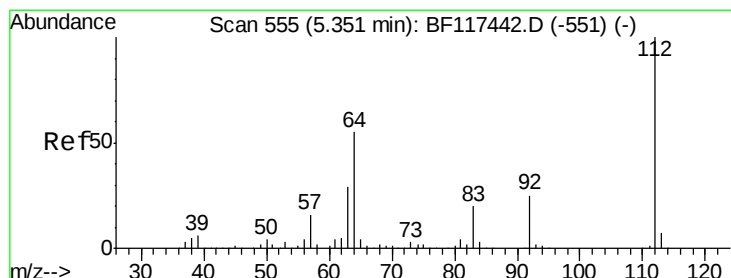
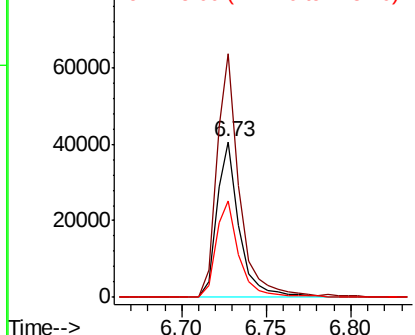
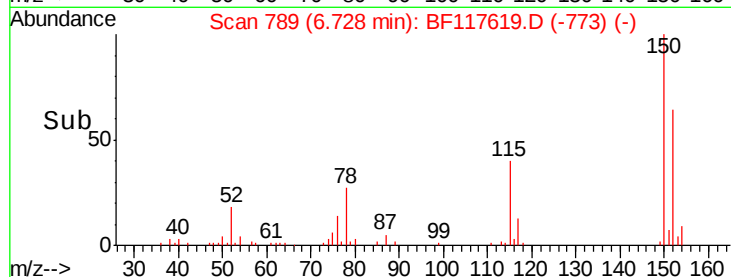
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: BF117619.D
 Acq: 30 Oct 2019 12:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 37844
 Ion Ratio Lower Upper
 152 100
 150 156.6 126.8 190.2
 115 62.0 51.6 77.4

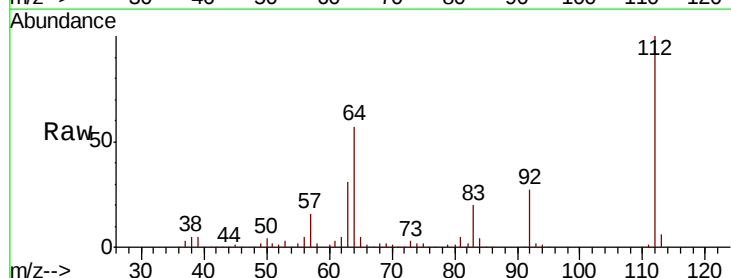


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

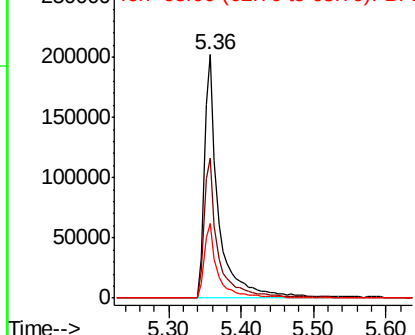
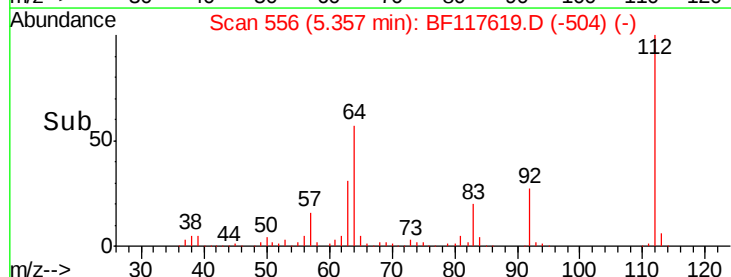


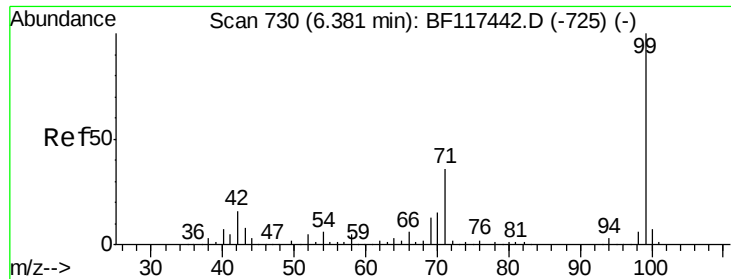
#5
 2-Fluorophenol
 Concen: 108.388 ng
 RT: 5.36 min Scan# 556
 Delta R.T. 0.01 min
 Lab File: BF117619.D
 Acq: 30 Oct 2019 12:53

Tgt Ion:112 Resp: 275715
 Ion Ratio Lower Upper
 112 100
 64 57.4 44.1 66.1
 63 30.7 23.4 35.2



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: 111.908 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117619.D

Acq: 30 Oct 2019 12:53

Instrument :

BNA_F

ClientSampleId :

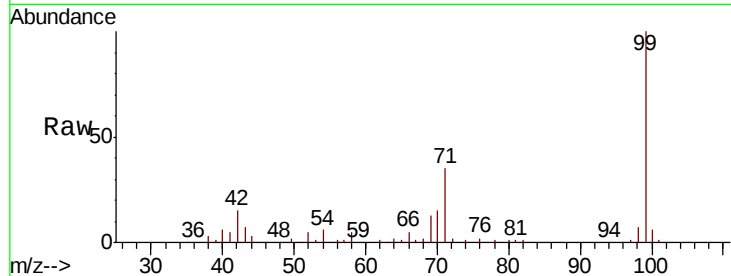
Tot Ion: 99 Resp: 382345

Ion Ratio Lower Upper

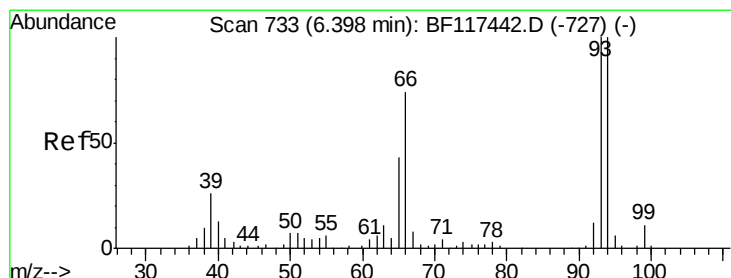
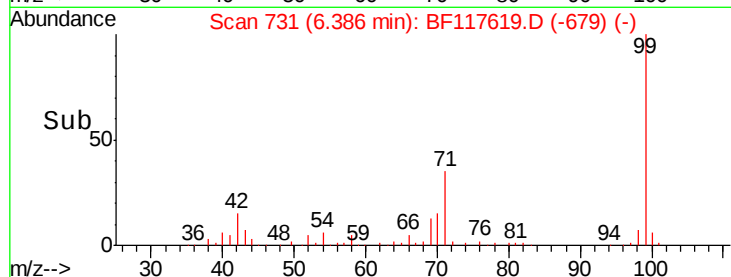
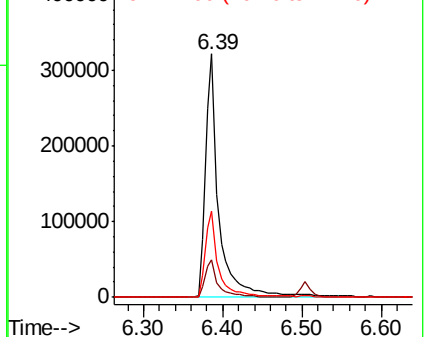
99 100

42 15.2 12.8 19.2

71 35.2 28.6 43.0



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



#10

Phenol

Concen: 3.065 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.00 min

Lab File: BF117619.D

Acq: 30 Oct 2019 12:53

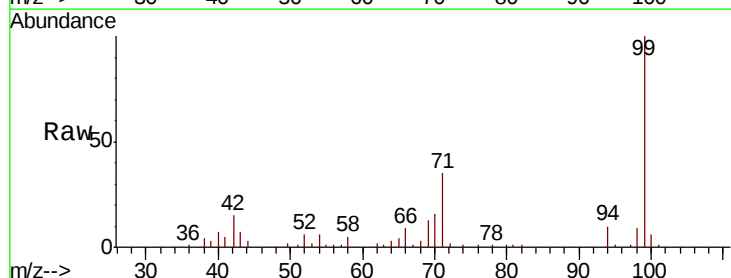
Tgt Ion: 94 Resp: 10688

Ion Ratio Lower Upper

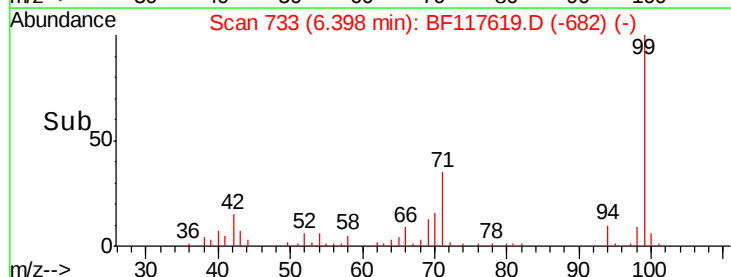
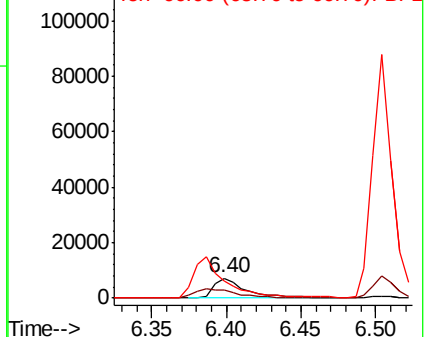
94 100

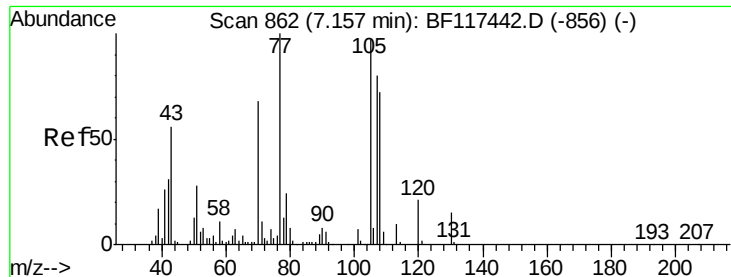
65 42.9 23.4 63.4

66 82.8 54.7 94.7



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

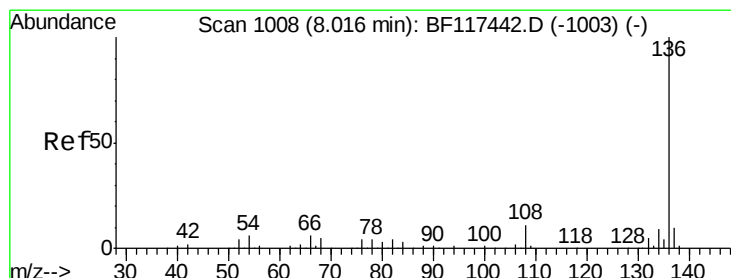
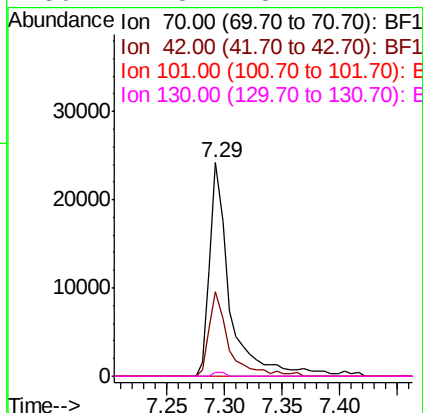
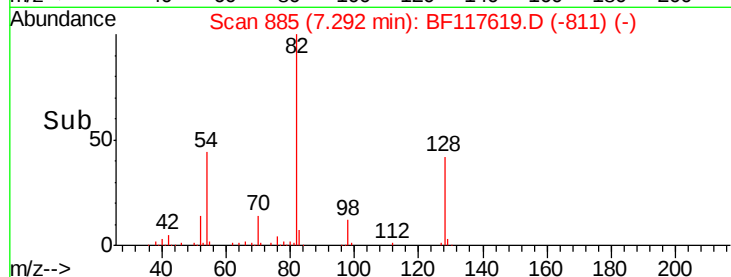
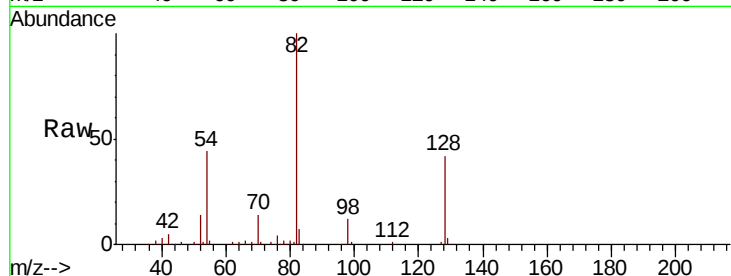




#19
n-Nitroso-di-n-propylamine
Concen: 14.307 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.14 min
Lab File: BF117619.D
Acq: 30 Oct 2019 12:53

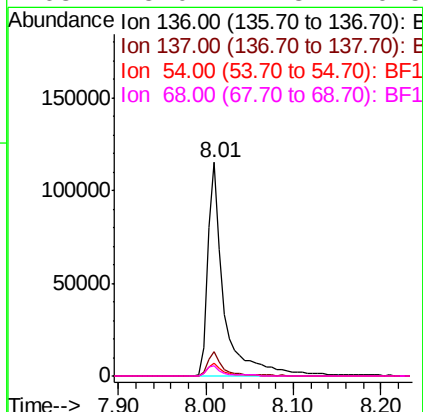
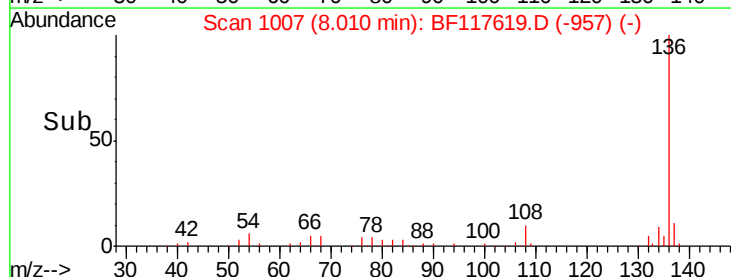
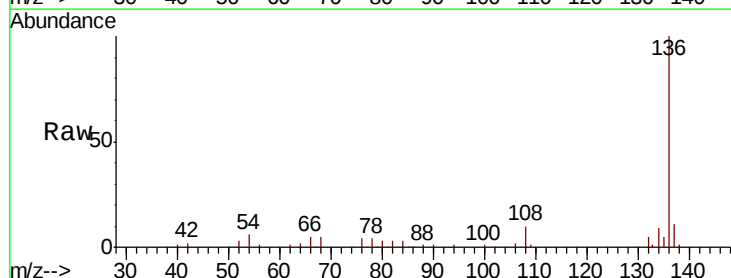
Instrument :
BNA_F
ClientSampleId :

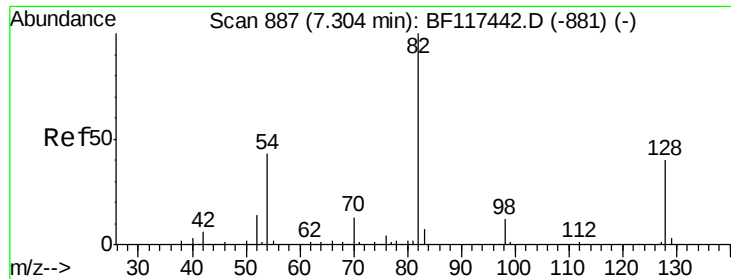
Tot Ion: 70 Resp: 29853
Ion Ratio Lower Upper
70 100
42 39.3 36.7 55.1
101 0.0 8.3 12.5#
130 1.8 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117619.D
Acq: 30 Oct 2019 12:53

Tgt Ion:136 Resp: 148090
Ion Ratio Lower Upper
136 100
137 11.2 8.2 12.4
54 6.0 4.5 6.7
68 5.0 4.3 6.5

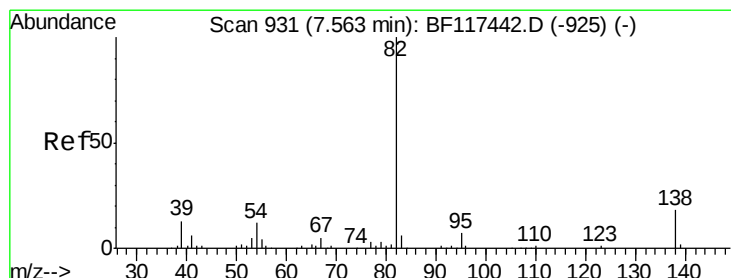
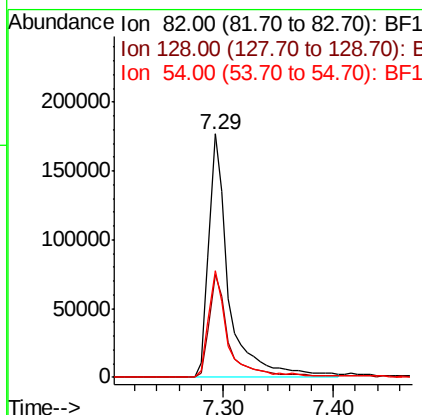
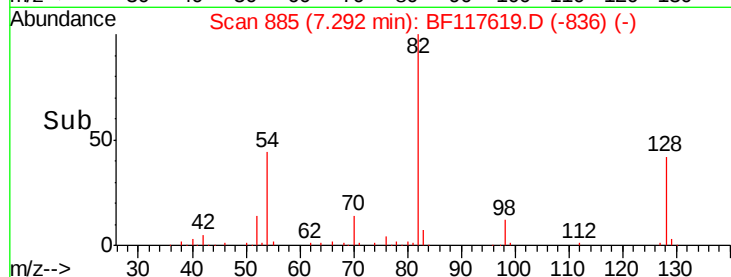
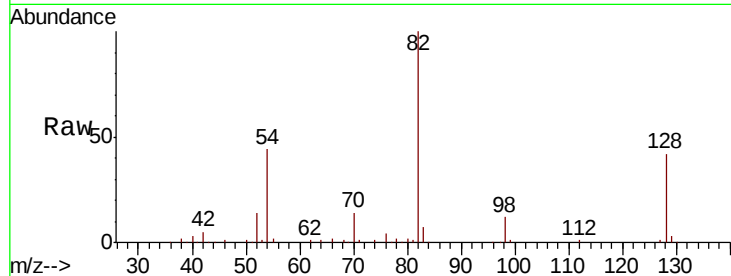




#23
Nitrobenzene-d5
Concen: 73.384 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF117619.D
Acq: 30 Oct 2019 12:53

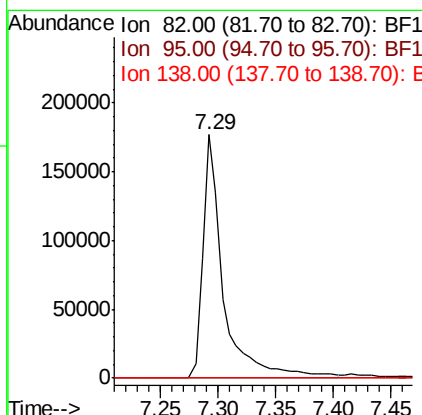
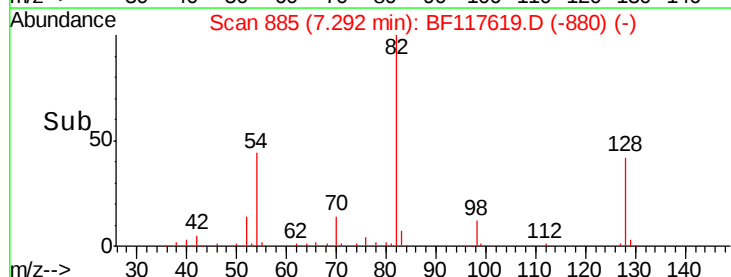
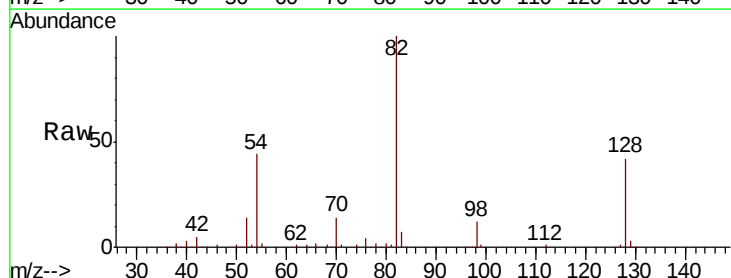
Instrument :
BNA_F
ClientSampled :

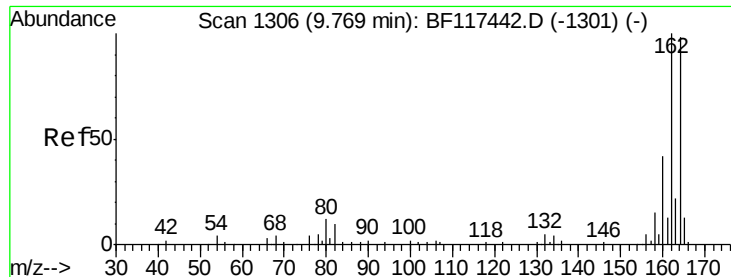
Tot Ion	Ratio	Lower	Upper
82	100		
128	42.4	32.2	48.2
54	43.6	34.2	51.2



#25
Isophorone
Concen: 42.420 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.27 min
Lab File: BF117619.D
Acq: 30 Oct 2019 12:53

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.4	8.0#
138	0.0	14.2	21.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF117619.D

Acq: 30 Oct 2019 12:53

Instrument :

BNA_F

ClientSampleId :

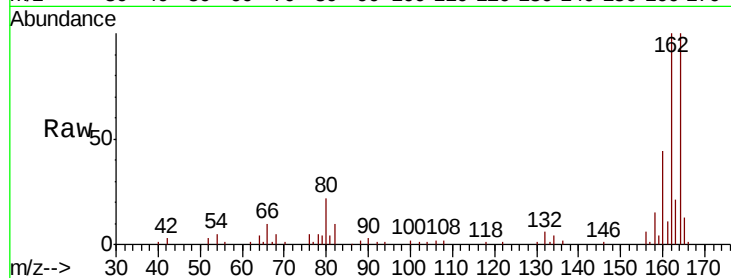
Tot Ion:164 Resp: 72362

Ion Ratio Lower Upper

164 100

162 99.5 81.8 122.6

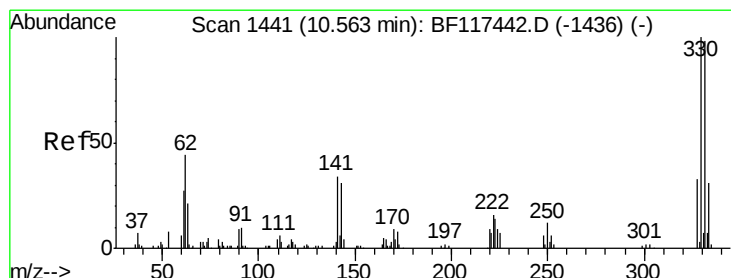
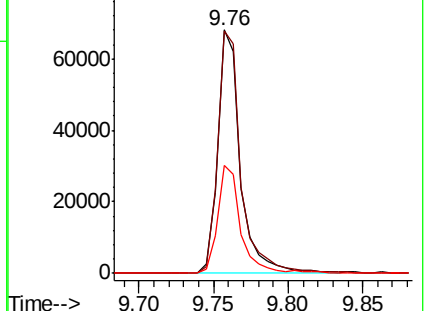
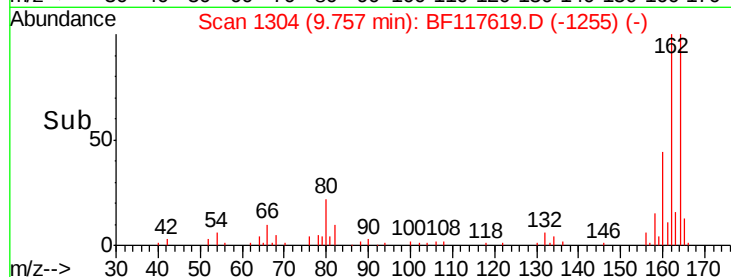
160 44.1 34.4 51.6



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: 101.526 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BF117619.D

Acq: 30 Oct 2019 12:53

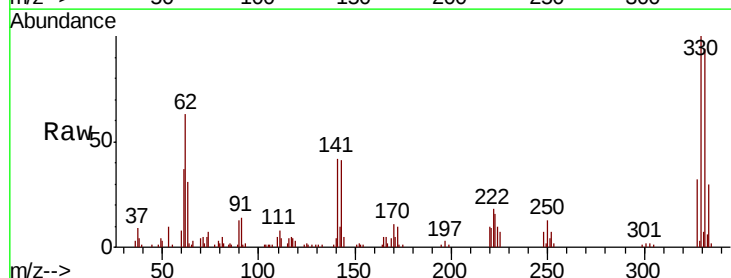
Tgt Ion:330 Resp: 63567

Ion Ratio Lower Upper

330 100

332 95.2 78.5 117.7

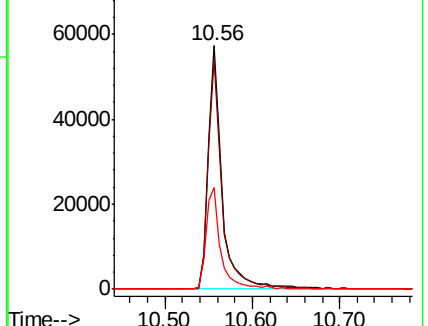
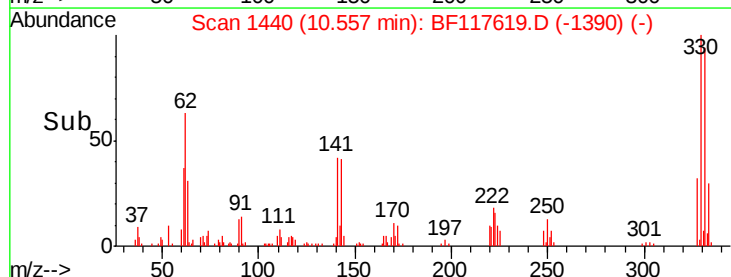
141 44.0 37.0 55.6

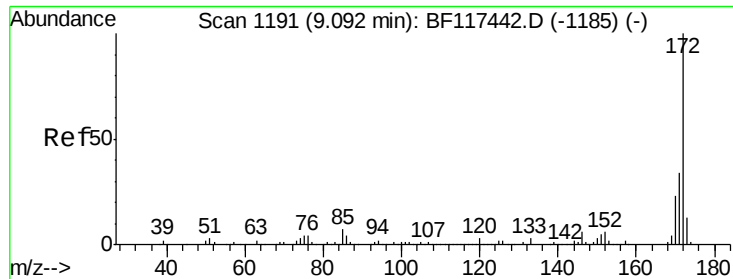


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

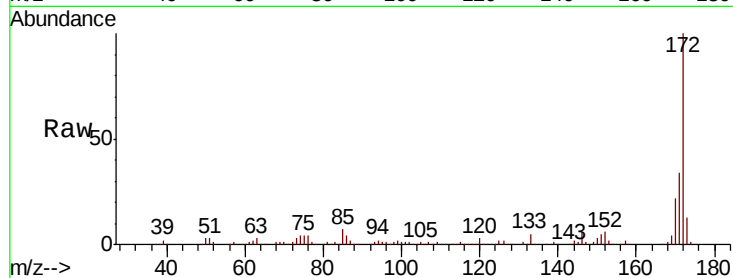




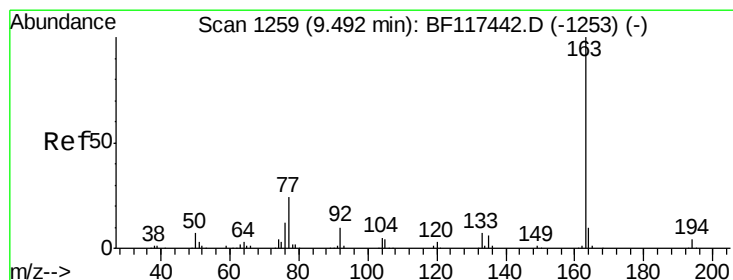
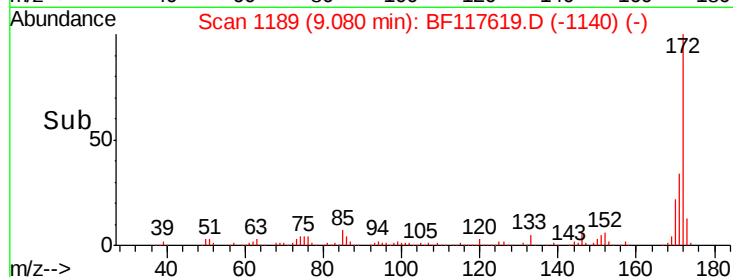
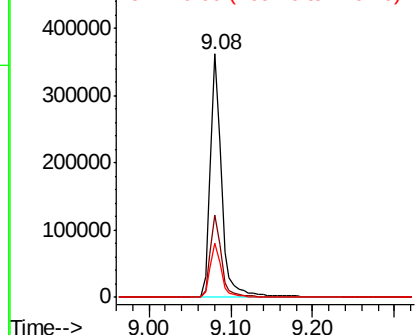
#45
2-Fluorobiphenyl
Concen: 67.910 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF117619.D
Acq: 30 Oct 2019 12:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 348769
Ion Ratio Lower Upper
172 100
171 34.0 27.5 41.3
170 22.3 18.6 27.8

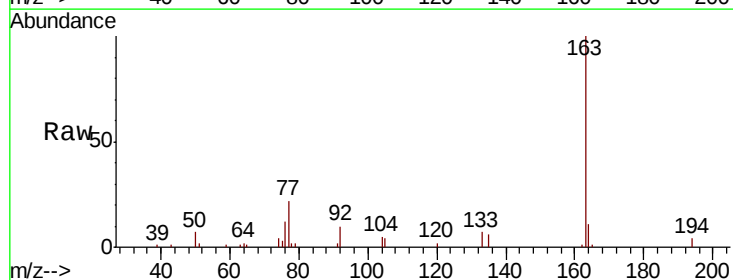


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

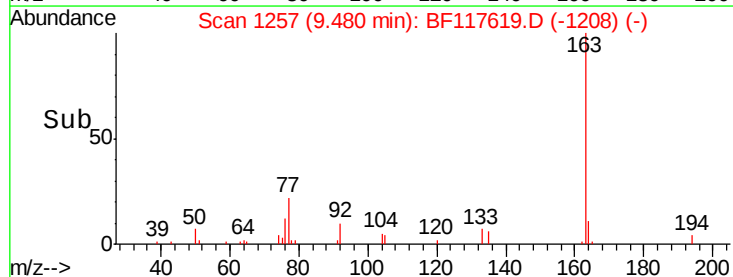
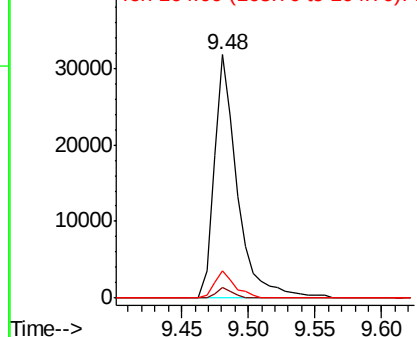


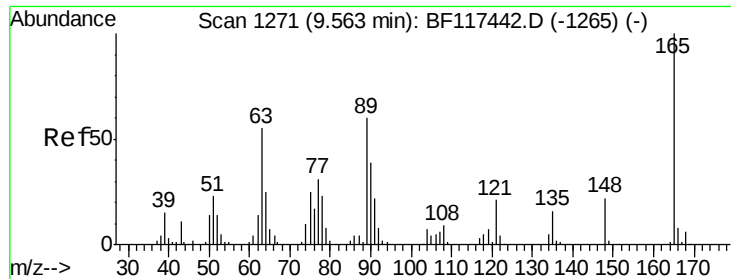
#50
Dimethylphthalate
Concen: 7.470 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117619.D
Acq: 30 Oct 2019 12:53

Tgt Ion:163 Resp: 38535
Ion Ratio Lower Upper
163 100
194 4.5 2.9 4.3#
164 11.0 8.2 12.2



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

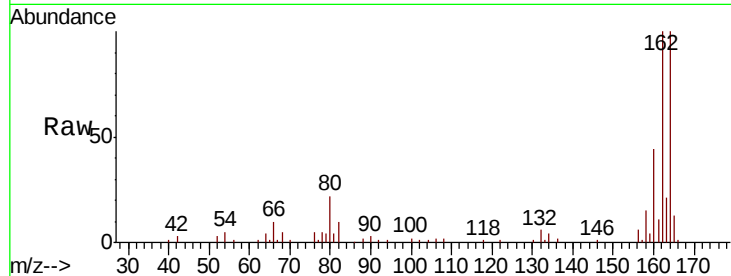




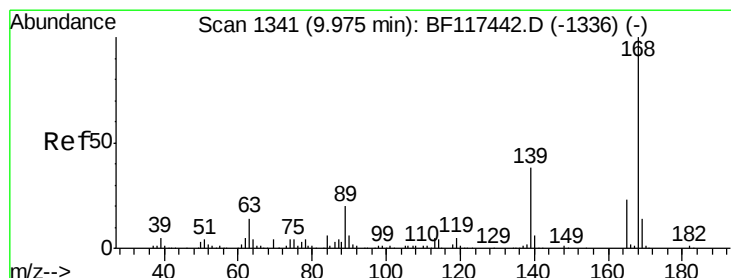
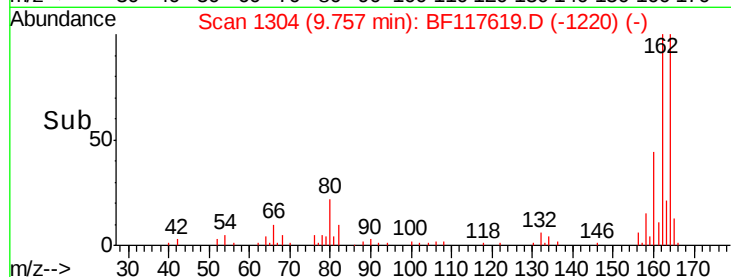
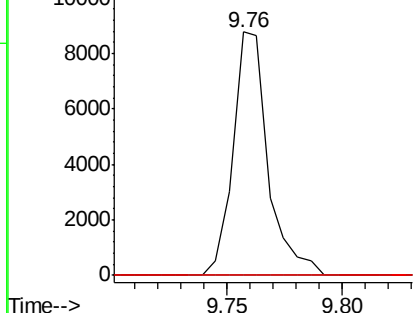
#51
 2,6-Dinitrotoluene
 Concen: 8.622 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. 0.19 min
 Lab File: BF117619.D
 Acq: 30 Oct 2019 12:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.8	65.8#
89	0.0	47.6	71.4#

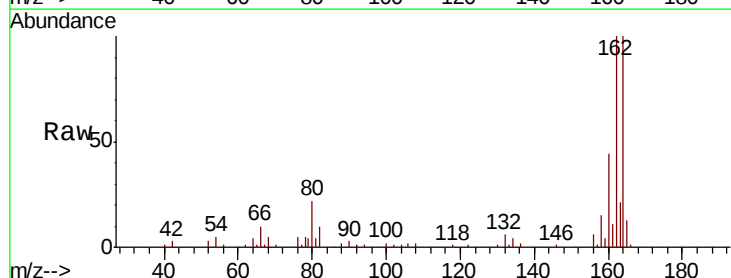


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

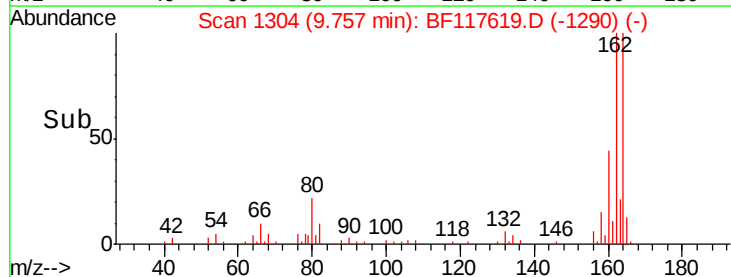
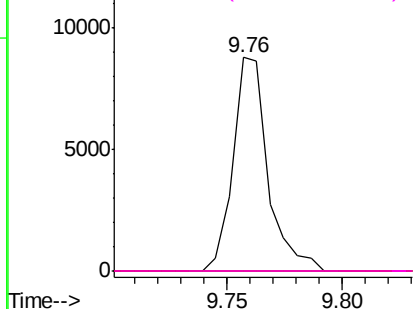


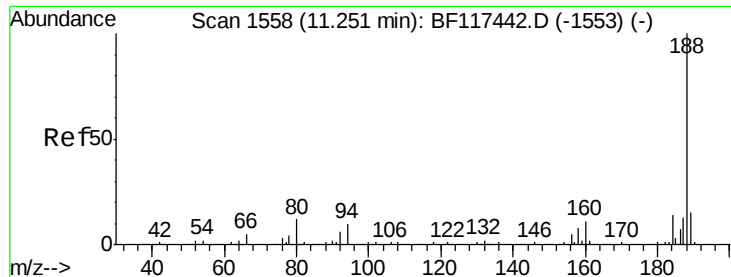
#57
 2,4-Dinitrotoluene
 Concen: 6.485 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.22 min
 Lab File: BF117619.D
 Acq: 30 Oct 2019 12:53

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	51.4	77.0#
89	0.0	69.9	104.9#
182	0.0	1.9	2.9#



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: 11.25 min Scan# 1558

Delta R.T. -0.00 min

Lab File: BF117619.D

Acq: 30 Oct 2019 12:53

Instrument :

BNA_F

ClientSampleId :

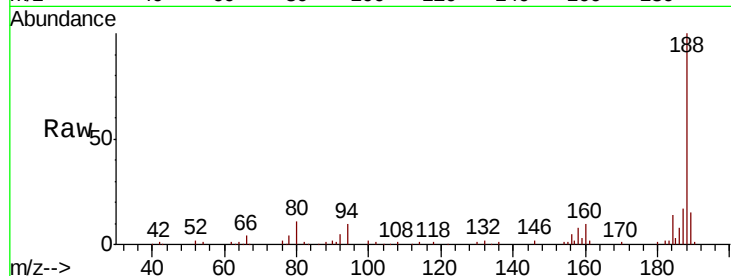
Tot Ion:188 Resp: 109973

Ion Ratio Lower Upper

188 100

94 9.7 8.0 12.0

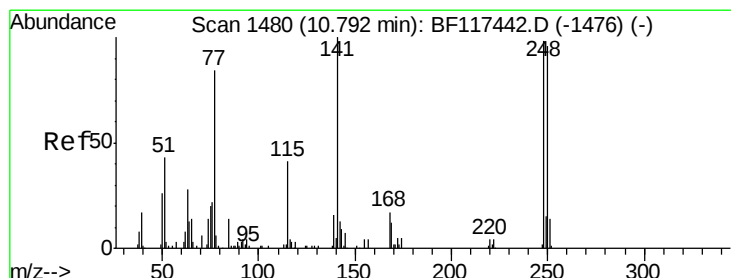
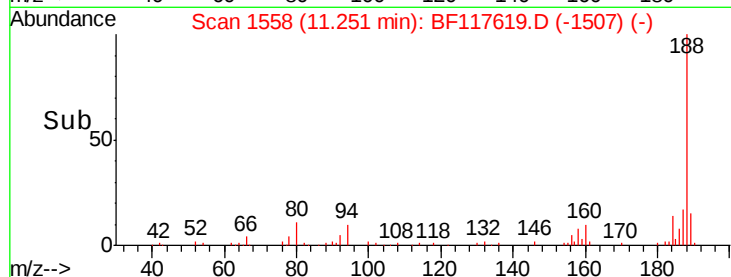
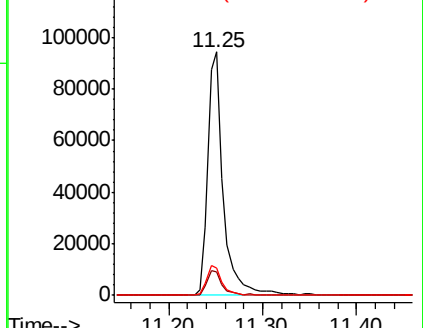
80 11.0 9.5 14.3



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: 3.319 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.24 min

Lab File: BF117619.D

Acq: 30 Oct 2019 12:53

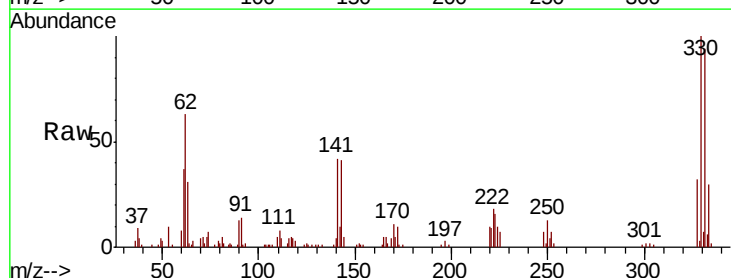
Tgt Ion:248 Resp: 3931

Ion Ratio Lower Upper

248 100

250 177.6 78.0 117.0#

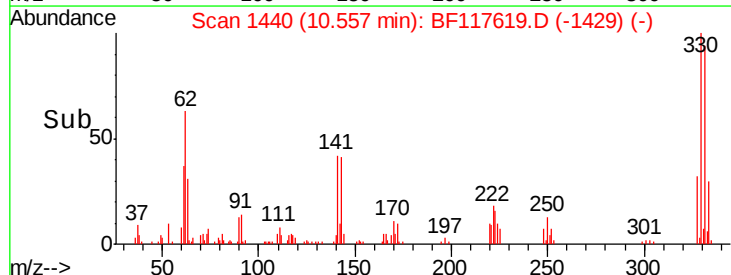
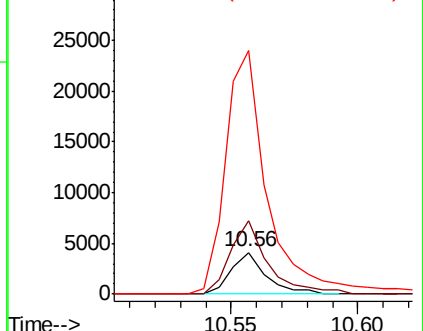
141 585.8 81.7 122.5#

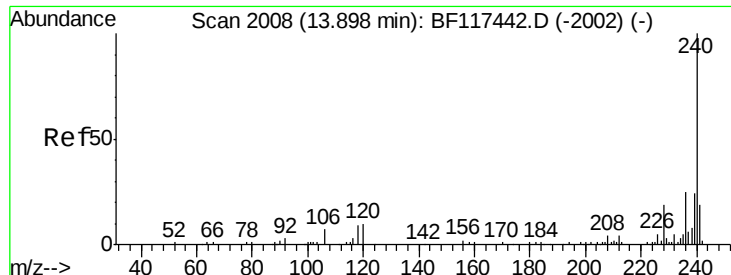


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

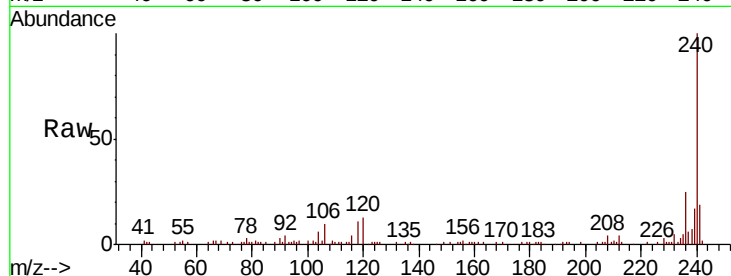




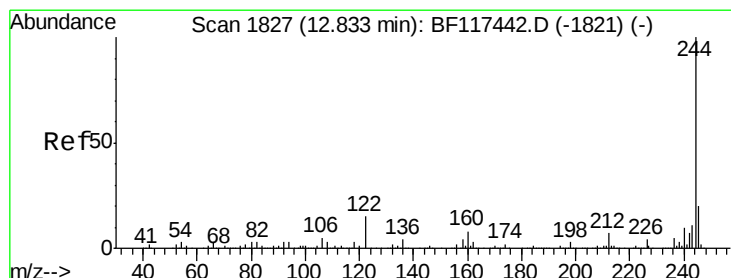
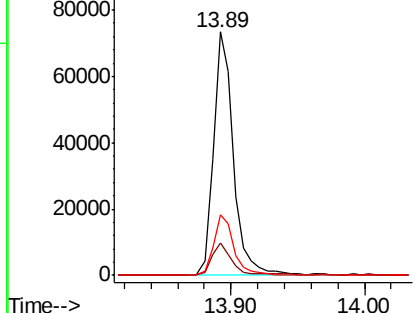
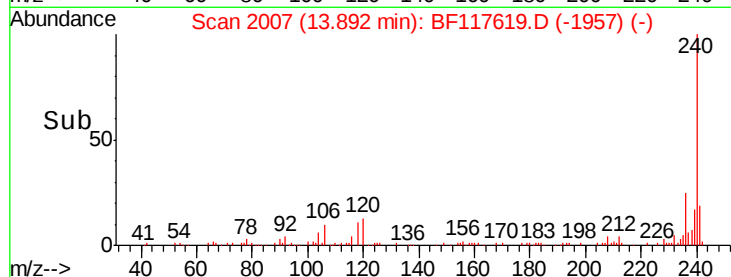
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.89 min Scan# 2007
 Delta R.T. -0.01 min
 Lab File: BF117619.D
 Acq: 30 Oct 2019 12:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:240 Resp: 76974
 Ion Ratio Lower Upper
 240 100
 120 13.2 8.4 12.6#
 236 25.0 20.0 30.0

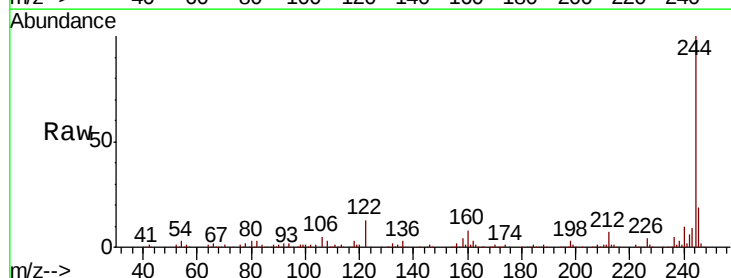


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

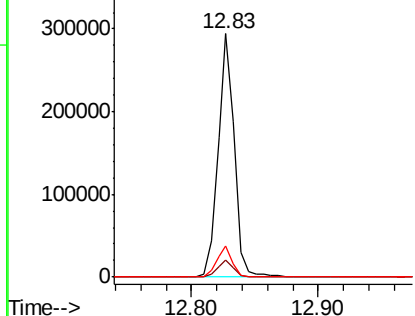
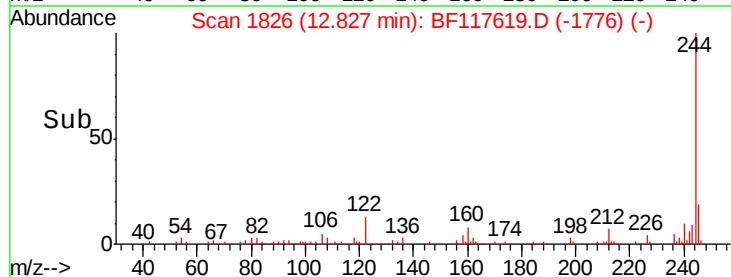


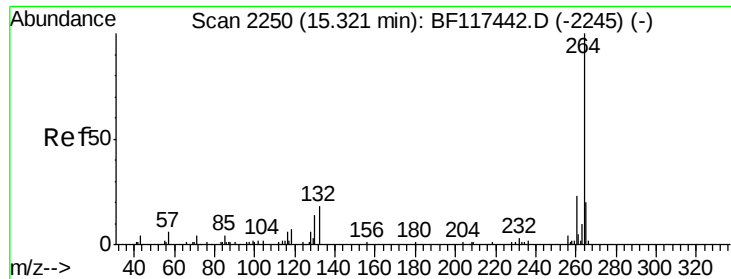
#79
 Terphenyl-d14
 Concen: 56.176 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF117619.D
 Acq: 30 Oct 2019 12:53

Tgt Ion:244 Resp: 265102
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.8 8.6
 122 13.0 11.8 17.8



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: 15.33 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: BF117619.D
 Acq: 30 Oct 2019 12:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.4	27.6
265	21.5	16.1	24.1

