

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
 Data File : BF117589.D
 Acq On : 29 Oct 2019 14:31
 Operator : JU
 Sample : K5503-17
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 30 01:19:44 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	39982	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	144654	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	59645	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	80132	20.00	ng	0.00
76) Chrysene-d12	13.89	240	70844	20.00	ng	0.00
87) Perylene-d12	15.33	264	60144	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	289850	107.85	ng	0.00
7) Phenol-d6	6.39	99	389737	107.97	ng	0.00
23) Nitrobenzene-d5	7.29	82	228919	78.13	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	42299	81.96	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	296333	70.00	ng	-0.01
79) Terphenyl-d14	12.83	244	197738	45.53	ng	0.00

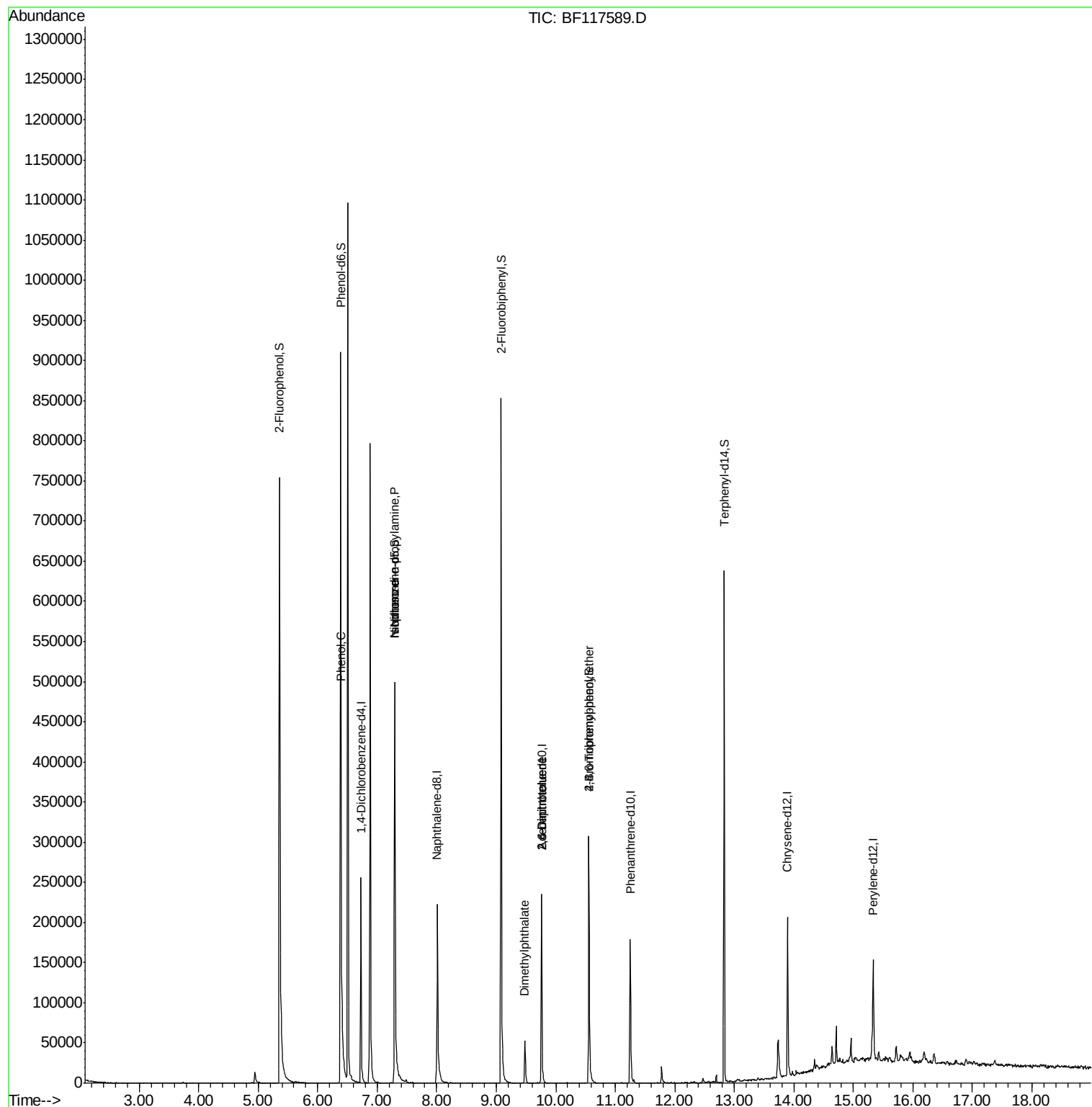
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.40	94	10731	2.913	ng	91
19) n-Nitroso-di-n-propylamine	7.29	70	28377	12.873	ng	# 80
25) Isophorone	7.29	82	228934	45.165	ng	# 65
50) Dimethylphthalate	9.48	163	30024	7.061	ng	97
51) 2,6-Dinitrotoluene	9.76	165	7279	8.204	ng	# 22
57) 2,4-Dinitrotoluene	9.76	165	7279	6.170	ng	# 12
67) 4-Bromophenyl-phenylether	10.56	248	2740	3.175	ng	# 1
77) Benzidine	12.83	184	2665	Below Cal		# 85

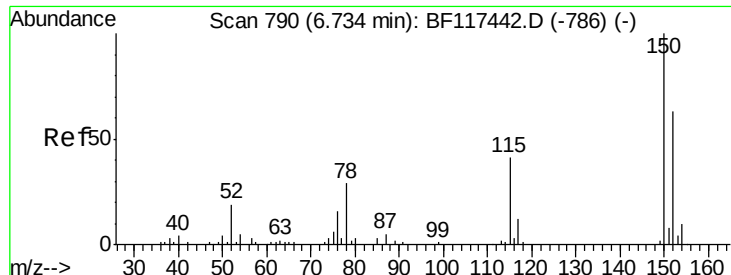
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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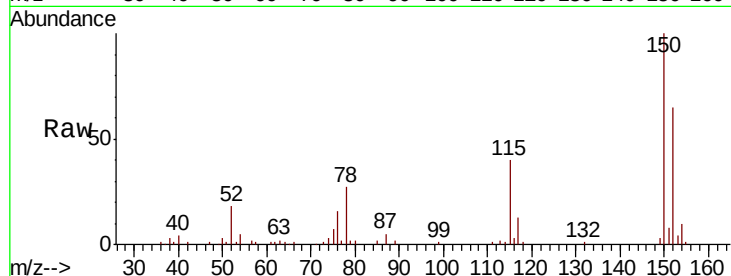


#1

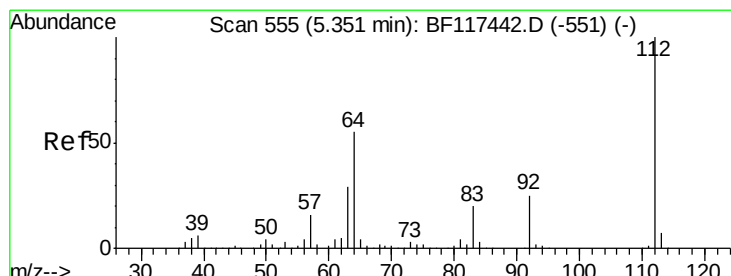
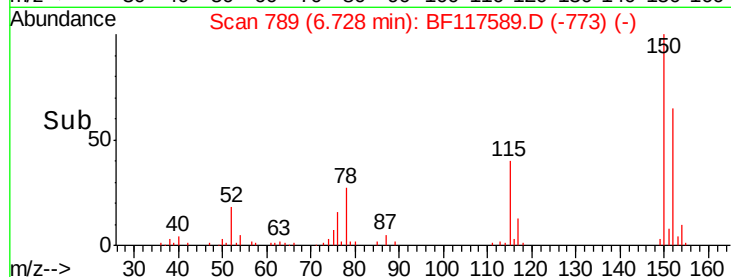
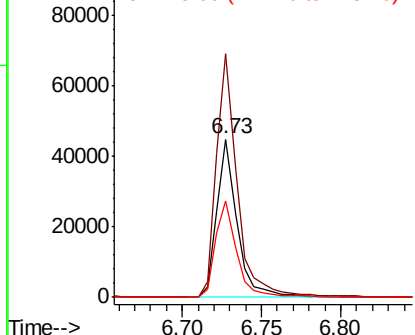
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117589.D
Acq: 29 Oct 2019 14:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 39982
Ion Ratio Lower Upper
152 100
150 154.2 126.8 190.2
115 61.4 51.6 77.4



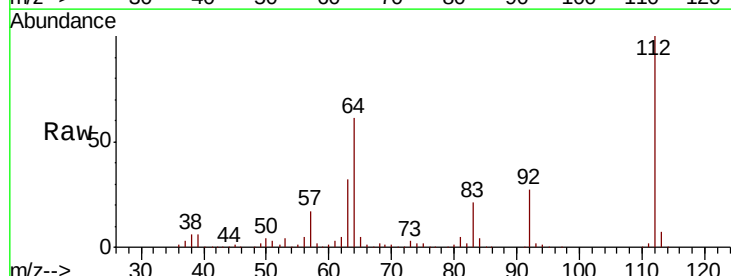
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



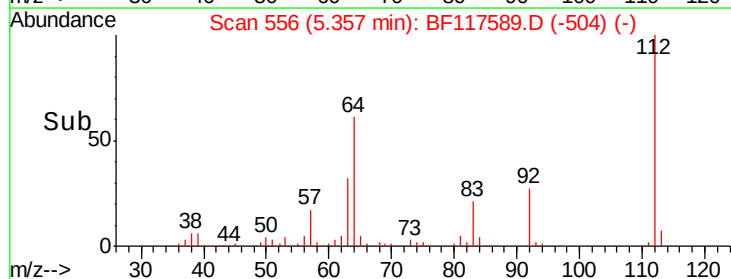
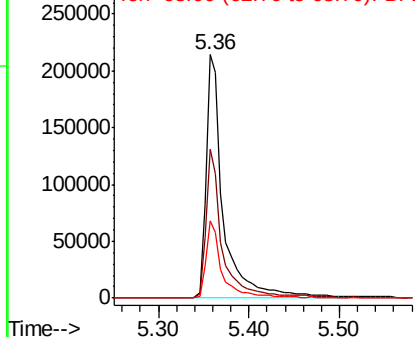
#5

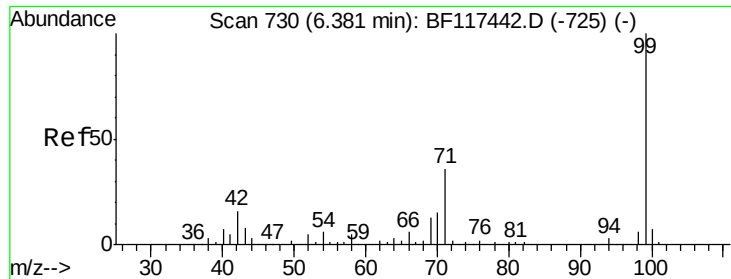
2-Fluorophenol
Concen: 107.851 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF117589.D
Acq: 29 Oct 2019 14:31

Tgt Ion:112 Resp: 289850
Ion Ratio Lower Upper
112 100
64 61.3 44.1 66.1
63 31.5 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: 107.972 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117589.D

Acq: 29 Oct 2019 14:31

Instrument :

BNA_F

ClientSampled :

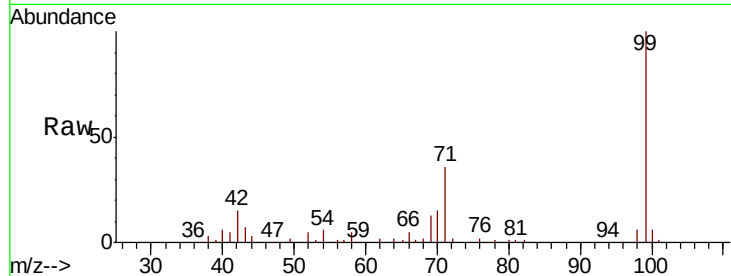
Tot Ion: 99 Resp: 389737

Ion Ratio Lower Upper

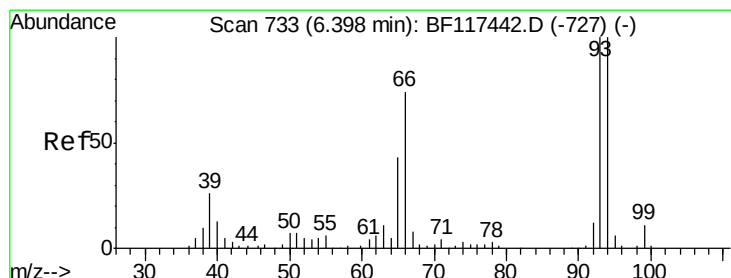
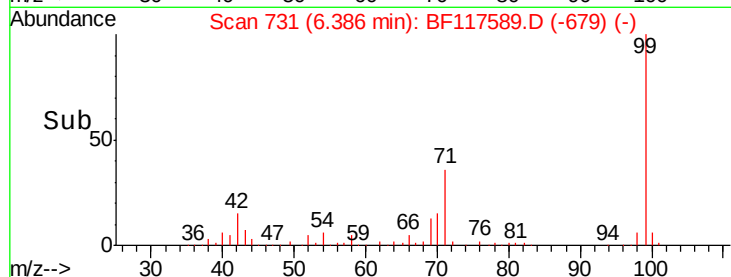
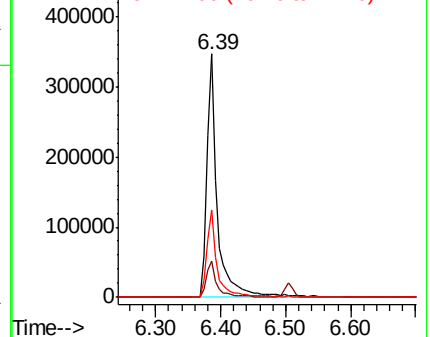
99 100

42 15.1 12.8 19.2

71 35.8 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: 2.913 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.00 min

Lab File: BF117589.D

Acq: 29 Oct 2019 14:31

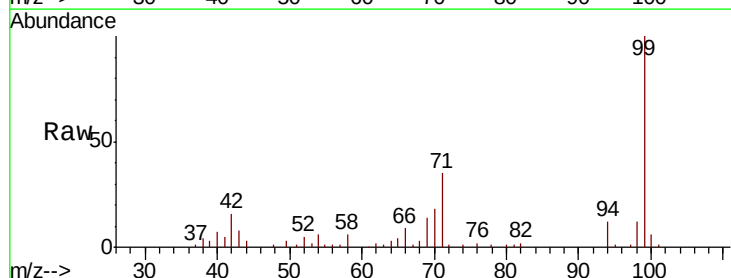
Tgt Ion: 94 Resp: 10731

Ion Ratio Lower Upper

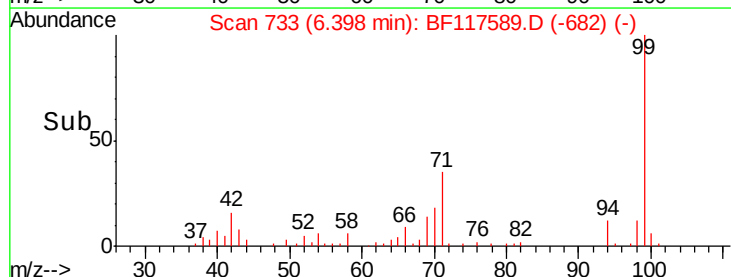
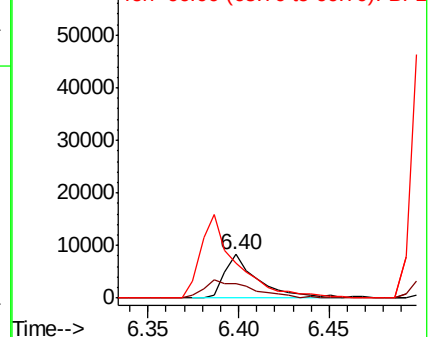
94 100

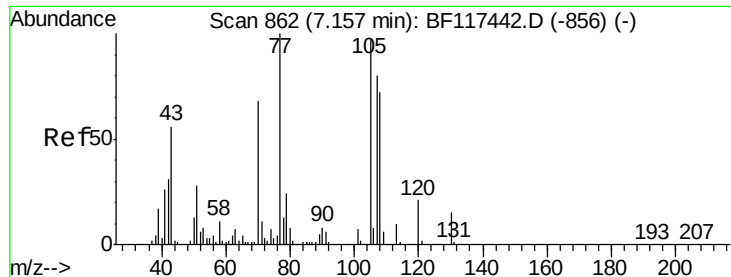
65 33.6 23.4 63.4

66 79.3 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

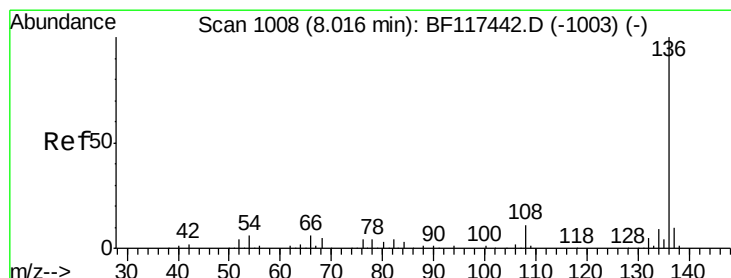
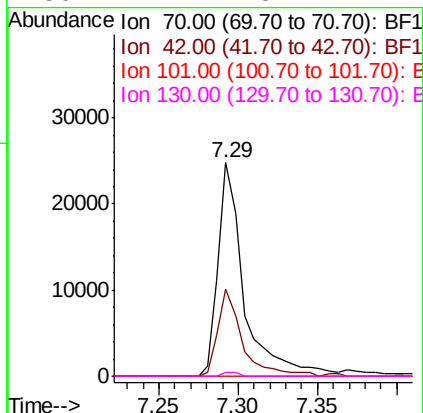
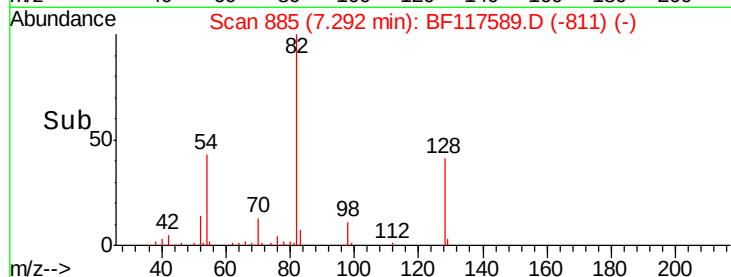
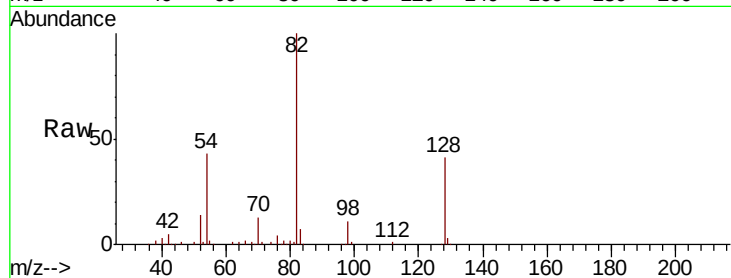




#19
n-Nitroso-di-n-propylamine
Concen: 12.873 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.14 min
Lab File: BF117589.D
Acq: 29 Oct 2019 14:31

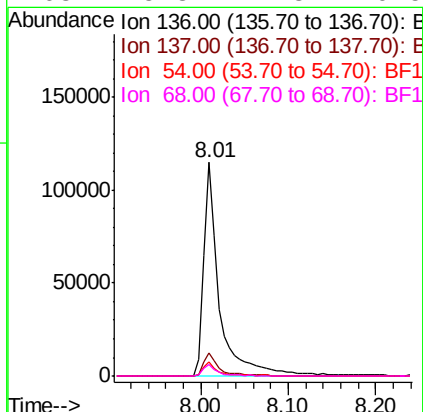
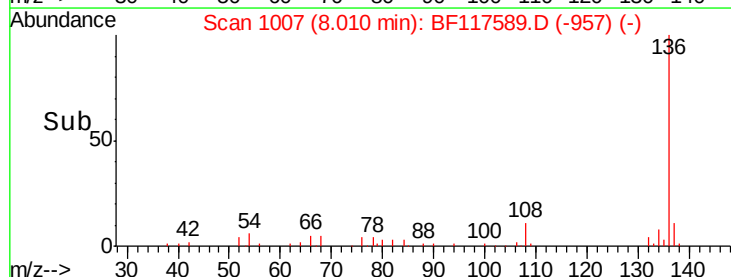
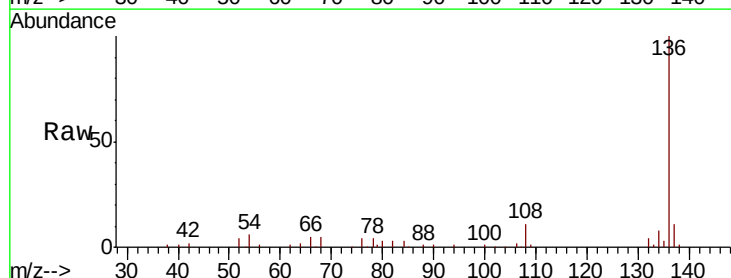
Instrument :
BNA_F
ClientSampleId :

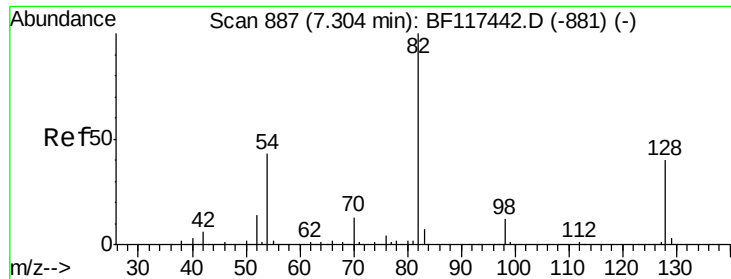
Tot Ion: 70 Resp: 28377
Ion Ratio Lower Upper
70 100
42 41.0 36.7 55.1
101 0.0 8.3 12.5#
130 2.1 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117589.D
Acq: 29 Oct 2019 14:31

Tgt Ion:136 Resp: 144654
Ion Ratio Lower Upper
136 100
137 11.0 8.2 12.4
54 6.5 4.5 6.7
68 5.3 4.3 6.5

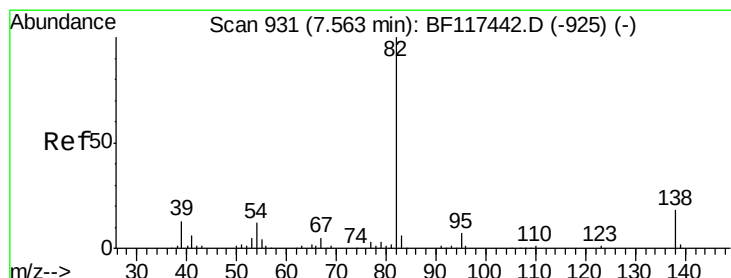
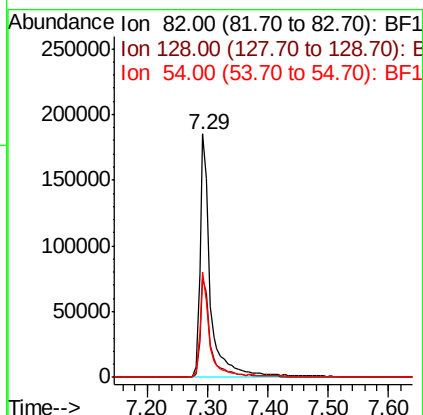
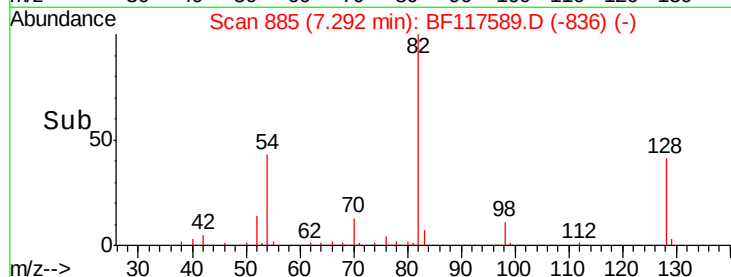
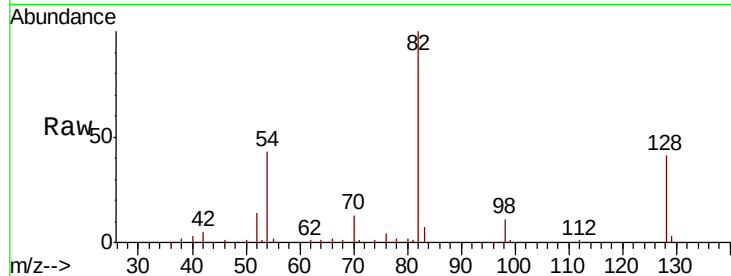




#23
Nitrobenzene-d5
Concen: 78.126 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF117589.D
Acq: 29 Oct 2019 14:31

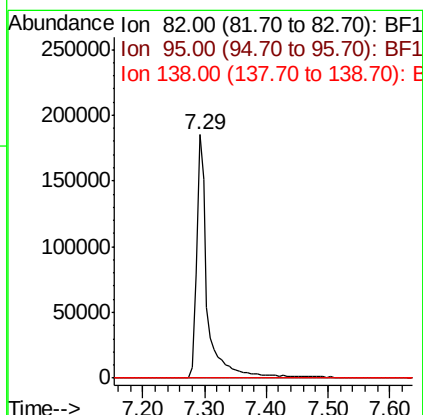
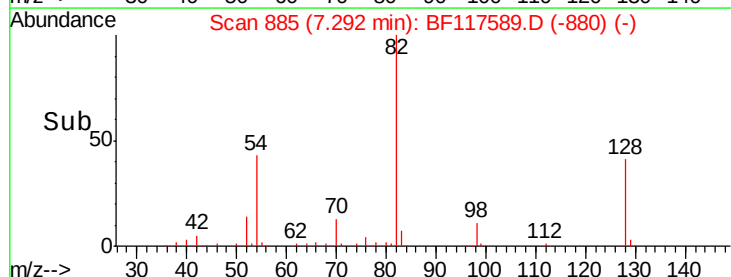
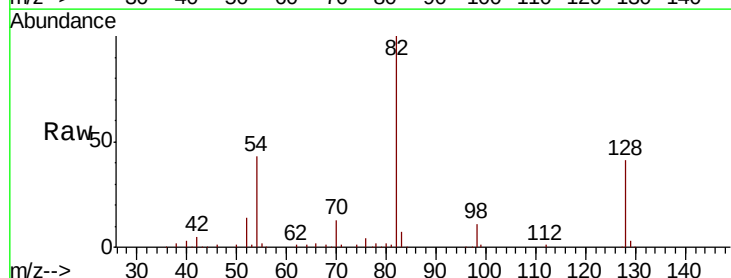
Instrument :
BNA_F
ClientSampled :

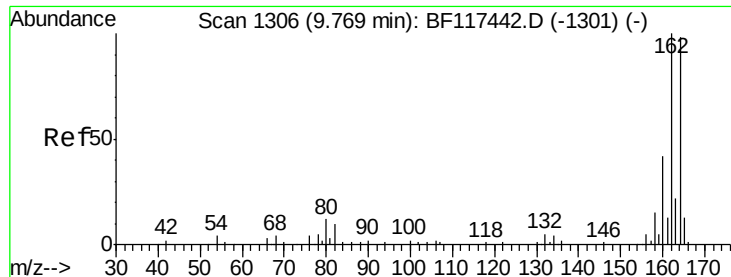
Tot Ion	82	Resp	228919
Ion Ratio	100	Lower	Upper
128	40.7	32.2	48.2
54	43.4	34.2	51.2



#25
Isophorone
Concen: 45.165 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.27 min
Lab File: BF117589.D
Acq: 29 Oct 2019 14:31

Tgt Ion	82	Resp	228934
Ion Ratio	100	Lower	Upper
95	0.0	5.4	8.0#
138	0.0	14.2	21.2#

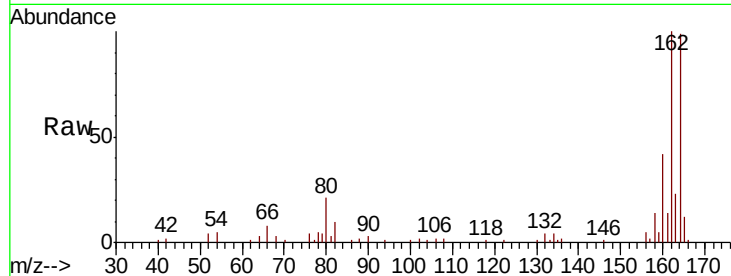




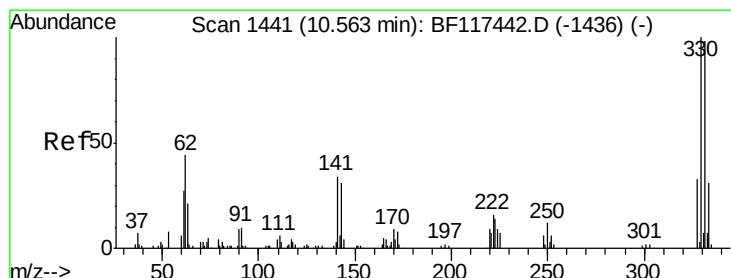
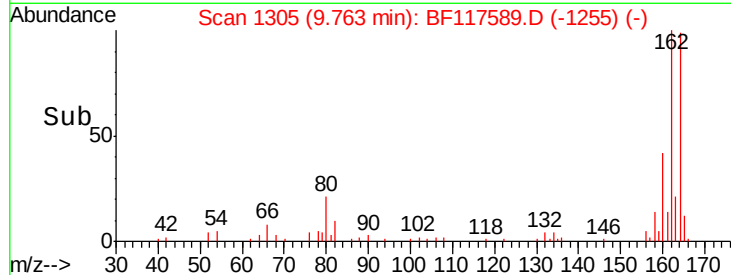
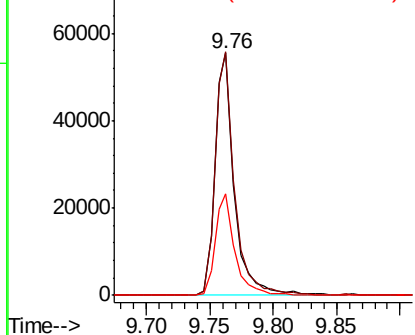
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.01 min
 Lab File: BF117589.D
 Acq: 29 Oct 2019 14:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 59645
 Ion Ratio Lower Upper
 164 100
 162 100.5 81.8 122.6
 160 42.0 34.4 51.6

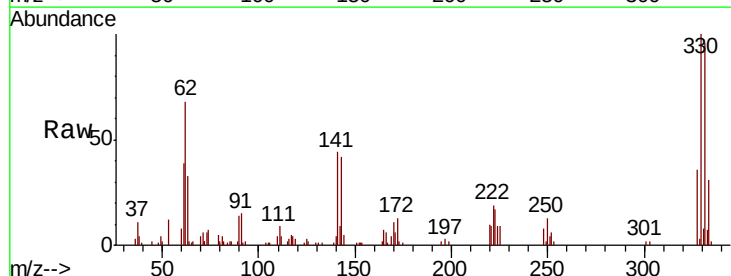


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

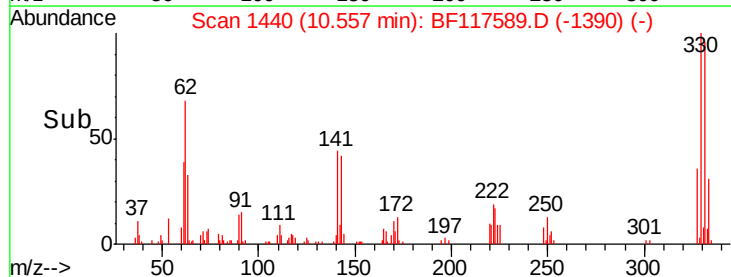
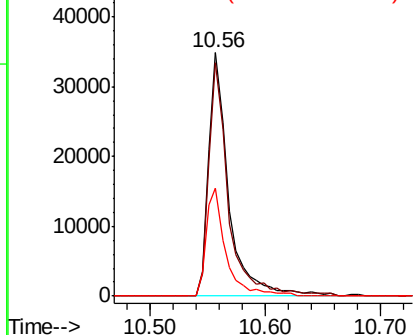


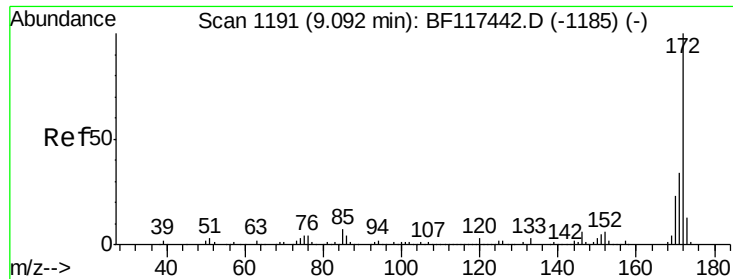
#42
 2,4,6-Tribromophenol
 Concen: 81.962 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF117589.D
 Acq: 29 Oct 2019 14:31

Tgt Ion:330 Resp: 42299
 Ion Ratio Lower Upper
 330 100
 332 93.8 78.5 117.7
 141 43.6 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

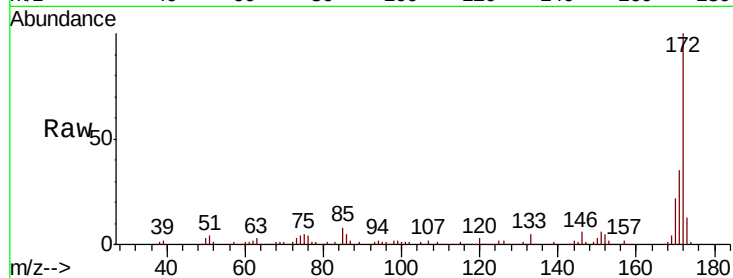




#45
2-Fluorobiphenyl
Concen: 70.003 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF117589.D
Acq: 29 Oct 2019 14:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.1	27.5	41.3
170	22.4	18.6	27.8

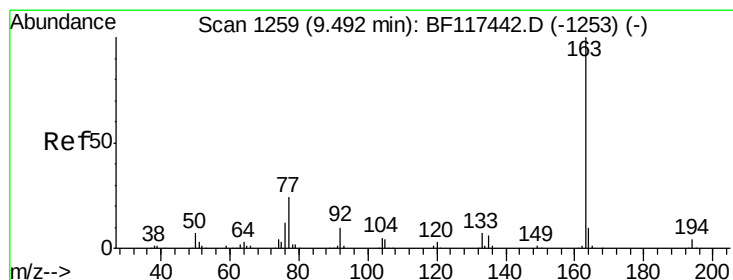
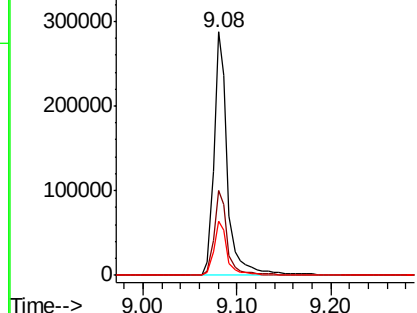
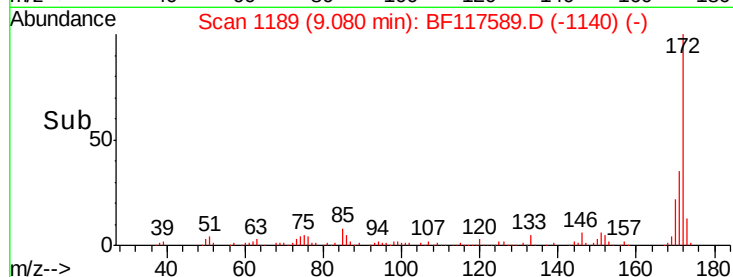


Abundance

Ion 172.00 (171.70 to 172.70): E

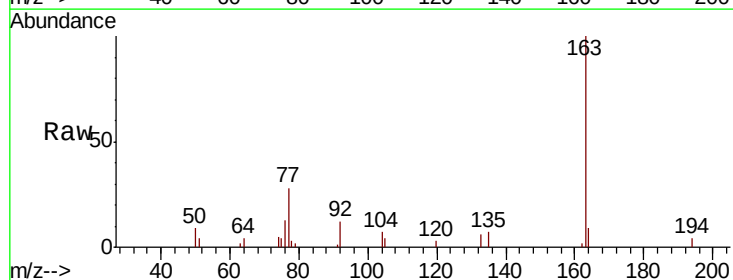
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 7.061 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117589.D
Acq: 29 Oct 2019 14:31

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.9	4.3
164	8.9	8.2	12.2

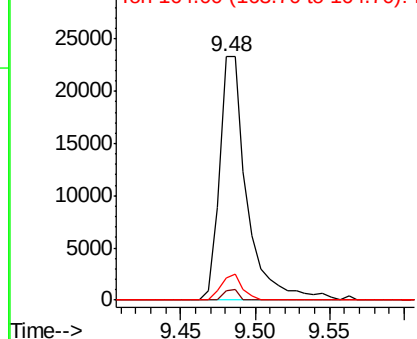
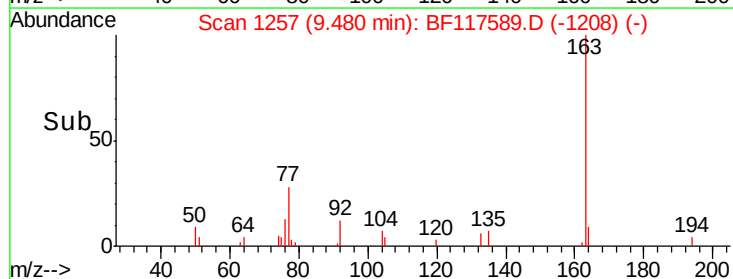


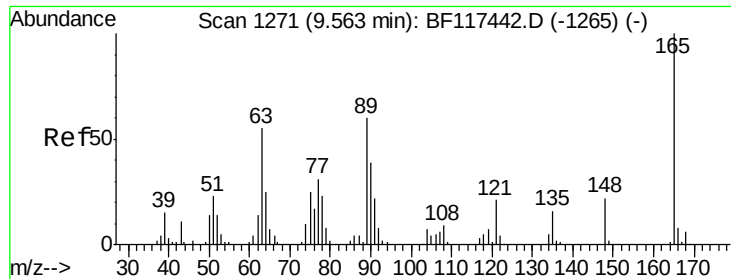
Abundance

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

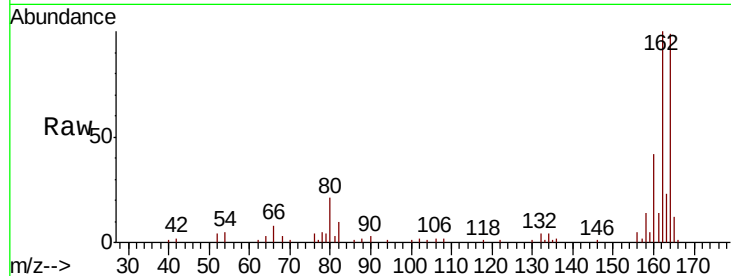




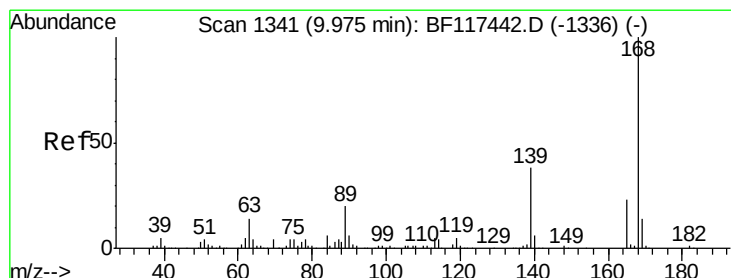
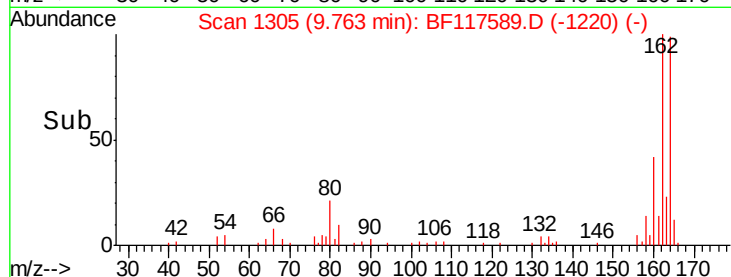
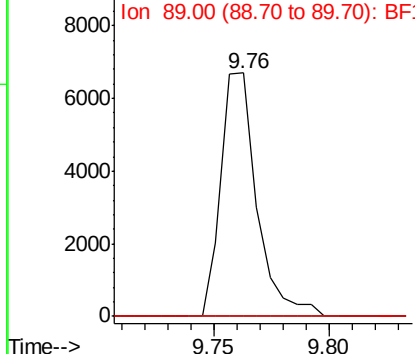
#51
 2,6-Dinitrotoluene
 Concen: 8.204 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. 0.20 min
 Lab File: BF117589.D
 Acq: 29 Oct 2019 14:31

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#

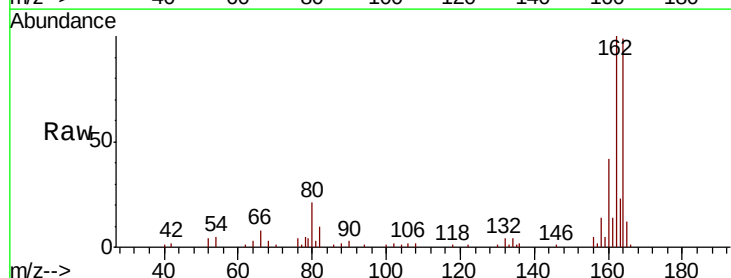


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

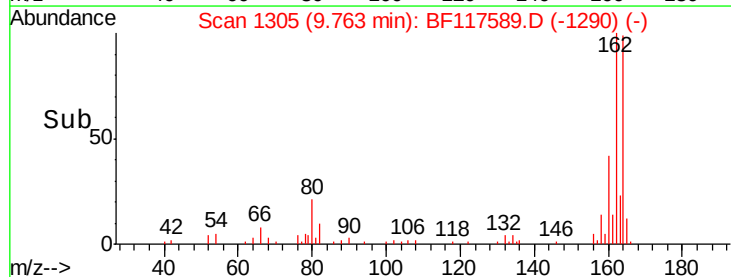
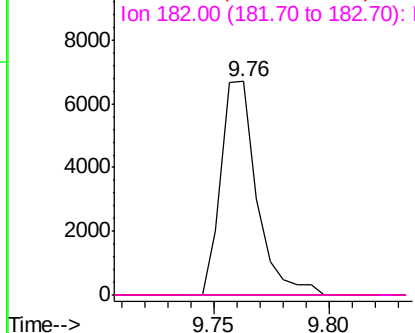


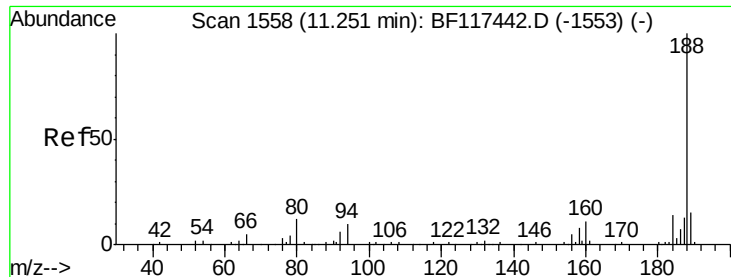
#57
 2,4-Dinitrotoluene
 Concen: 6.170 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.21 min
 Lab File: BF117589.D
 Acq: 29 Oct 2019 14:31

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: BF117589.D

Acq: 29 Oct 2019 14:31

Instrument :

BNA_F

ClientSampleId :

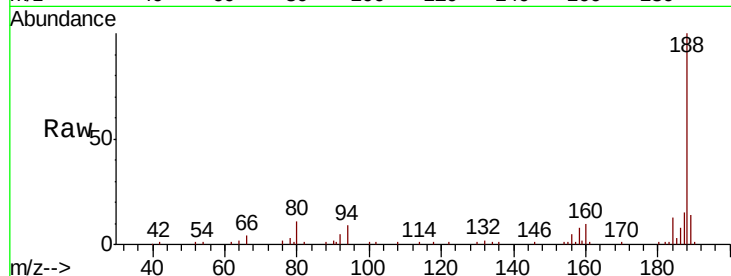
Tot Ion:188 Resp: 80132

Ion Ratio Lower Upper

188 100

94 9.0 8.0 12.0

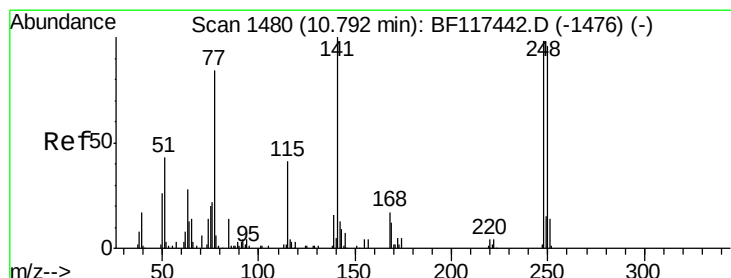
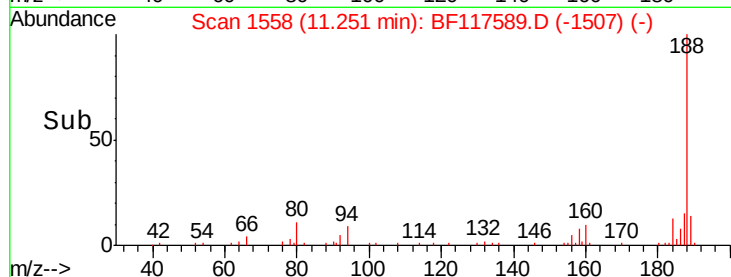
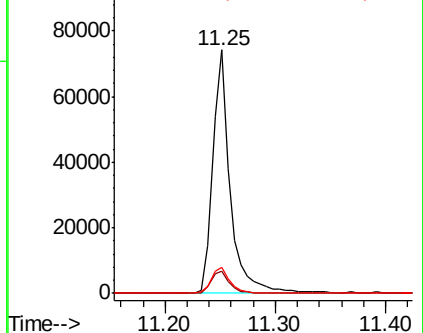
80 10.7 9.5 14.3



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: 3.175 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.24 min

Lab File: BF117589.D

Acq: 29 Oct 2019 14:31

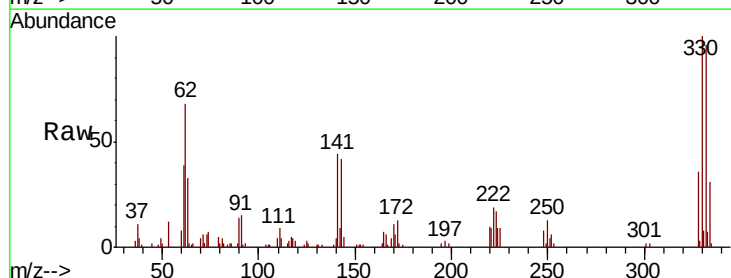
Tgt Ion:248 Resp: 2740

Ion Ratio Lower Upper

248 100

250 171.1 78.0 117.0#

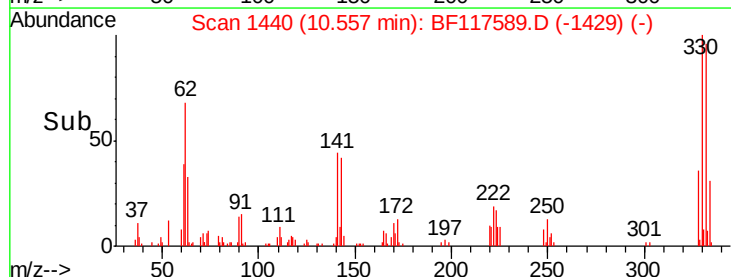
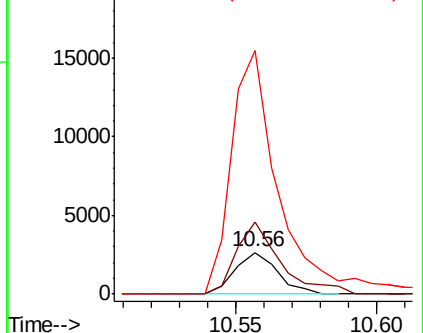
141 582.1 81.7 122.5#

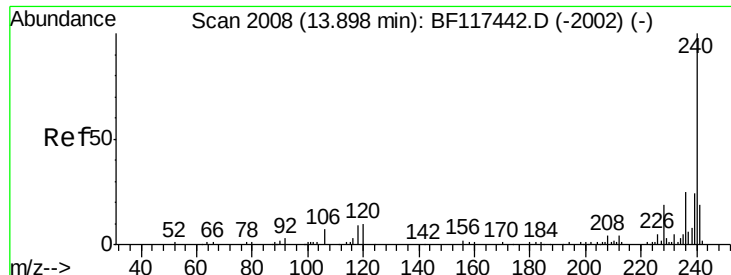


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

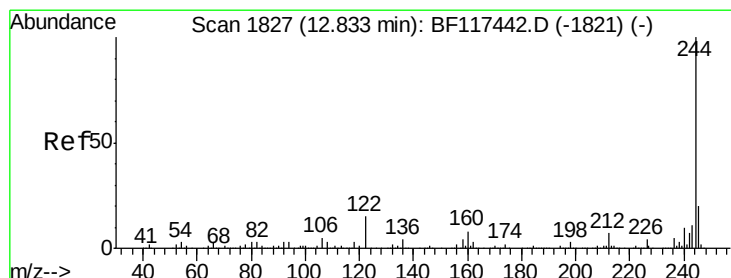
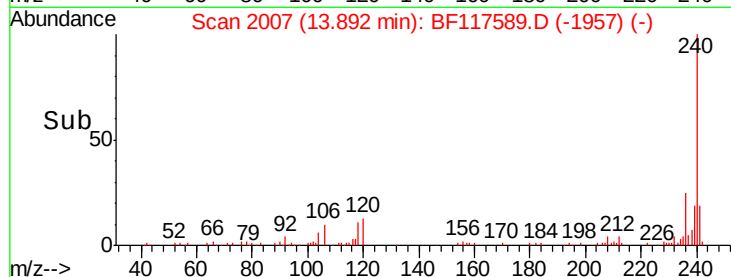
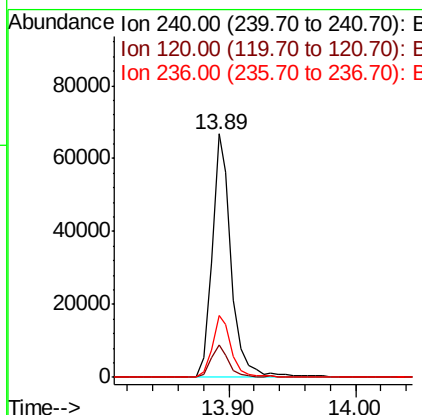
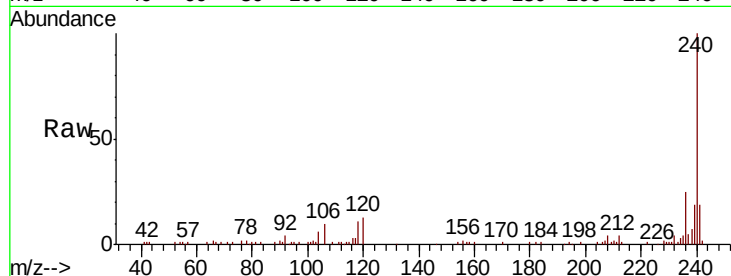




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF117589.D
Acq: 29 Oct 2019 14:31

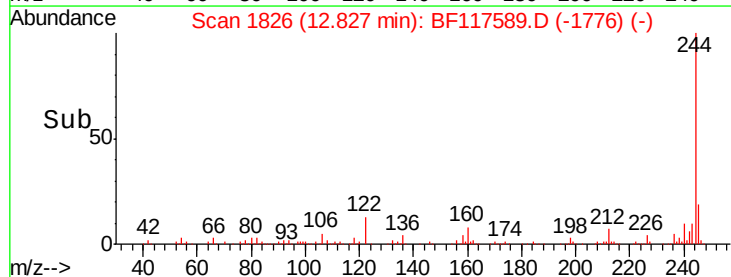
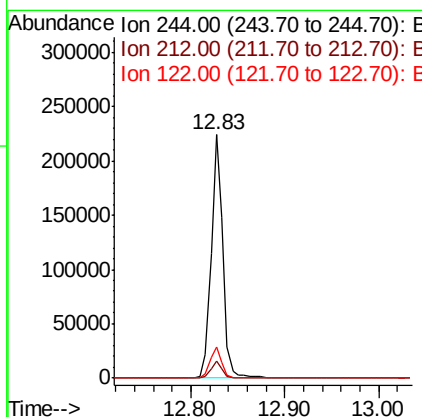
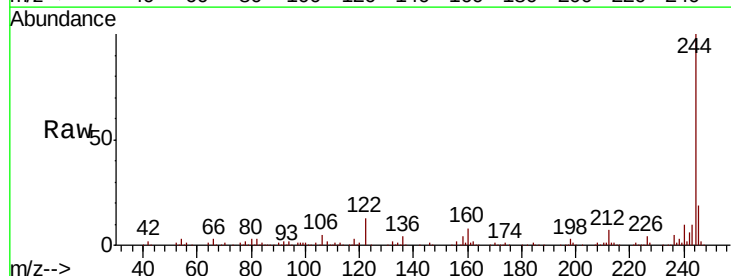
Instrument :
BNA_F
ClientSampleId :

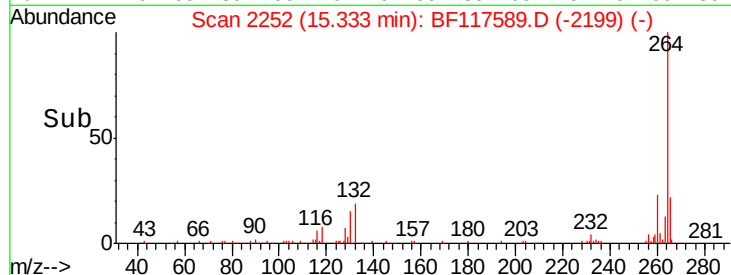
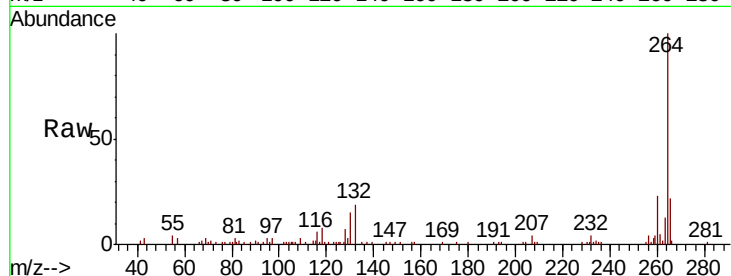
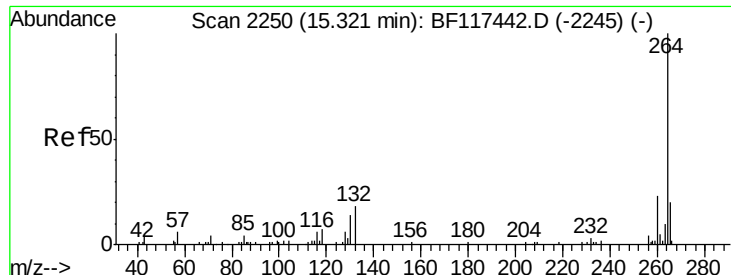
Tot Ion:240 Resp: 70844
Ion Ratio Lower Upper
240 100
120 13.1 8.4 12.6#
236 25.2 20.0 30.0



#79
Terphenyl-d14
Concen: 45.527 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF117589.D
Acq: 29 Oct 2019 14:31

Tgt Ion:244 Resp: 197738
Ion Ratio Lower Upper
244 100
212 6.9 5.8 8.6
122 12.6 11.8 17.8





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.33 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: BF117589.D
 Acq: 29 Oct 2019 14:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	264	Resp:	60144
Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.4	27.6
265	22.5	16.1	24.1

