

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103119\
 Data File : BF117659.D
 Acq On : 31 Oct 2019 15:44
 Operator : JU
 Sample : K5540-17
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 01 01:20:58 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

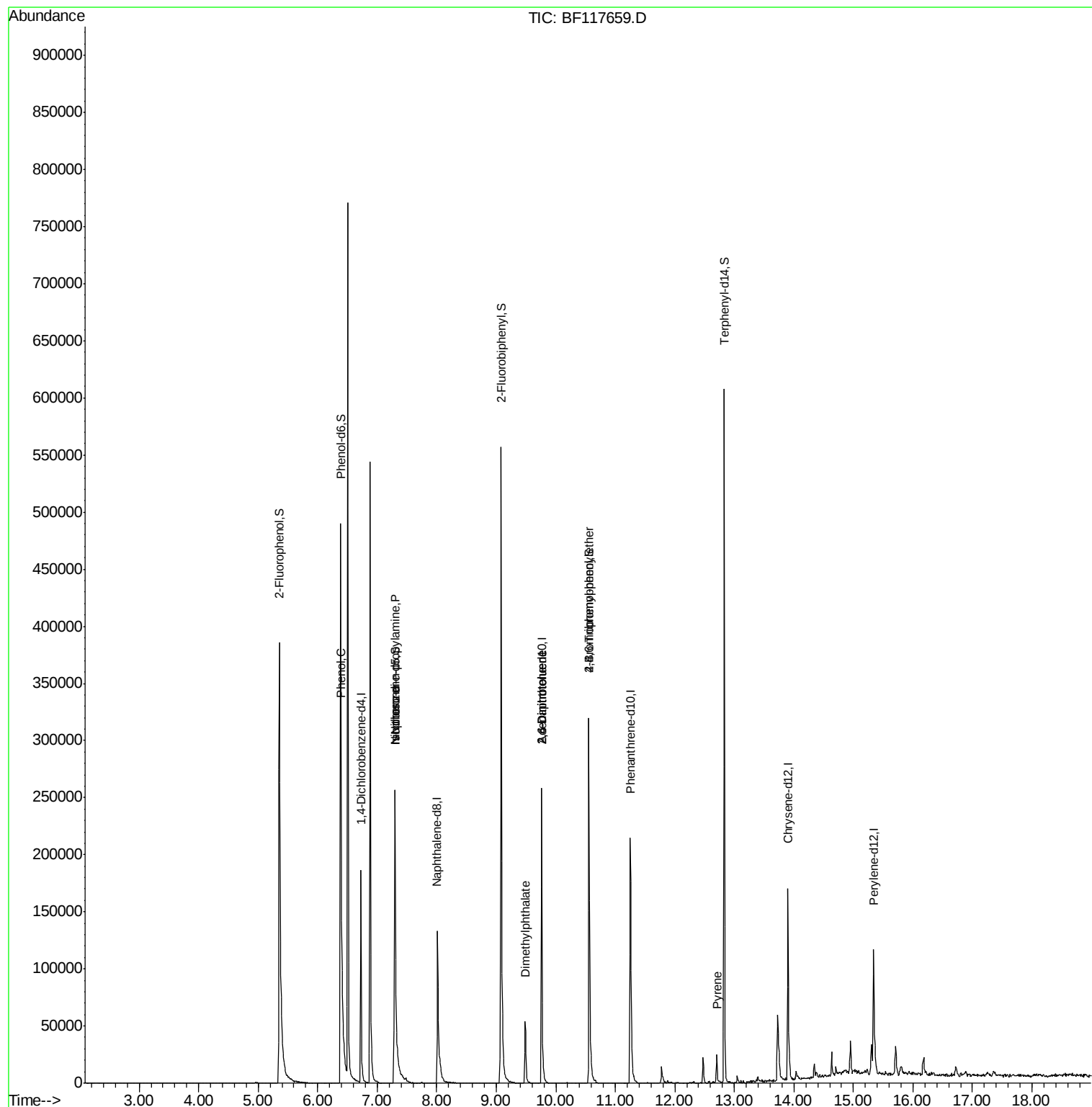
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	31589	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	130612	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	67317	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	116567	20.00	ng	0.00
76) Chrysene-d12	13.90	240	69956	20.00	ng	0.00
87) Perylene-d12	15.34	264	67433	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	192499	90.66	ng	0.00
7) Phenol-d6	6.39	99	281076	98.56	ng	0.00
23) Nitrobenzene-d5	7.30	82	167751	63.41	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	50966	87.50	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	233723	48.92	ng	-0.01
79) Terphenyl-d14	12.83	244	208836	48.69	ng	0.00
Target Compounds						
10) Phenol	6.40	94	12211	4.195	ng	87
19) n-Nitroso-di-n-propylamine	7.30	70	21503	12.346	ng	# 76
25) Isophorone	7.30	82	167751	36.652	ng	# 65
50) Dimethylphthalate	9.49	163	34872	7.267	ng	99
51) 2,6-Dinitrotoluene	9.76	165	8324	8.312	ng	# 22
57) 2,4-Dinitrotoluene	9.76	165	8324	6.252	ng	# 12
67) 4-Bromophenyl-phenylether	10.56	248	3035	2.417	ng	# 1
77) Benzidine	12.83	184	2694	Below Cal		# 82
78) Pyrene	12.70	202	12306	2.048	ng	98

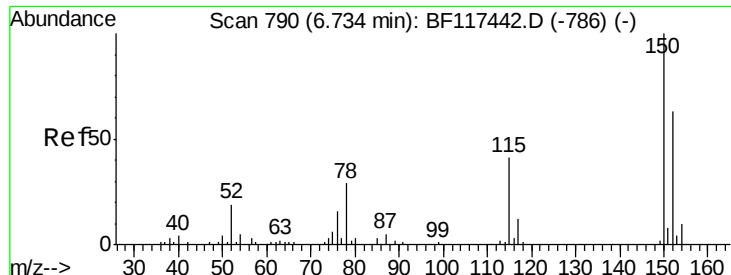
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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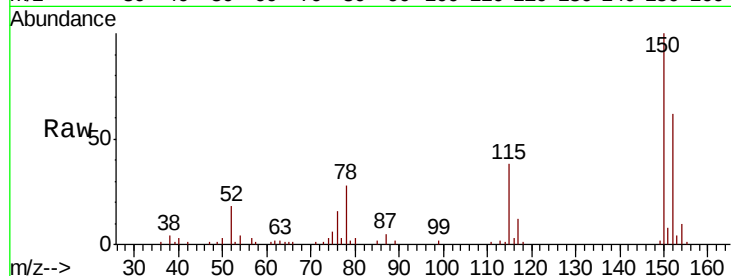


#1

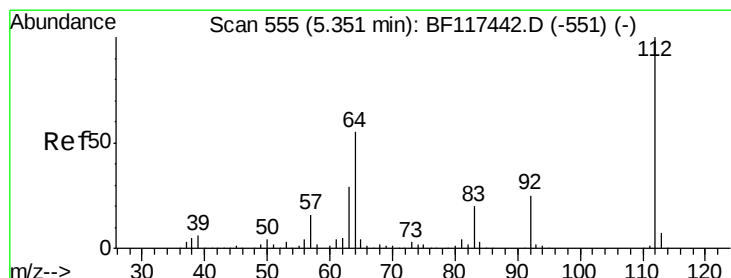
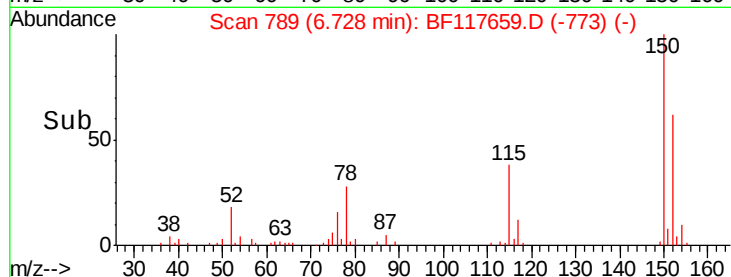
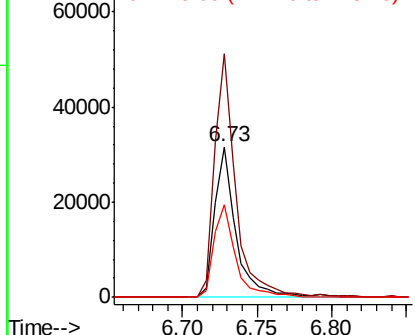
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117659.D
Acq: 31 Oct 2019 15:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 31589
Ion Ratio Lower Upper
152 100
150 161.7 126.8 190.2
115 61.5 51.6 77.4



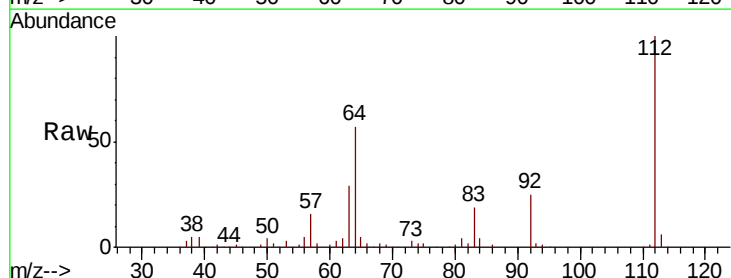
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



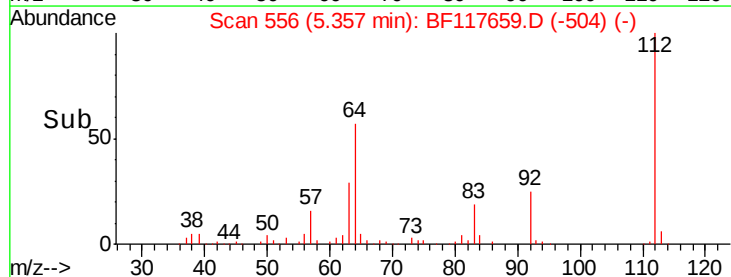
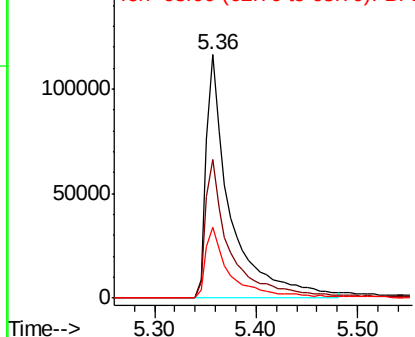
#5

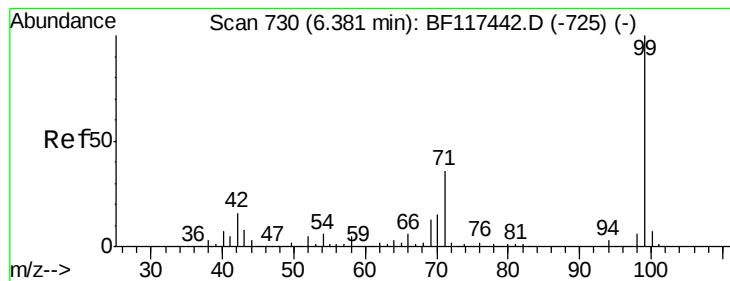
2-Fluorophenol
Concen: 90.659 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF117659.D
Acq: 31 Oct 2019 15:44

Tgt Ion:112 Resp: 192499
Ion Ratio Lower Upper
112 100
64 57.0 44.1 66.1
63 29.2 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: 98.558 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117659.D

Acq: 31 Oct 2019 15:44

Instrument :

BNA_F

ClientSampled :

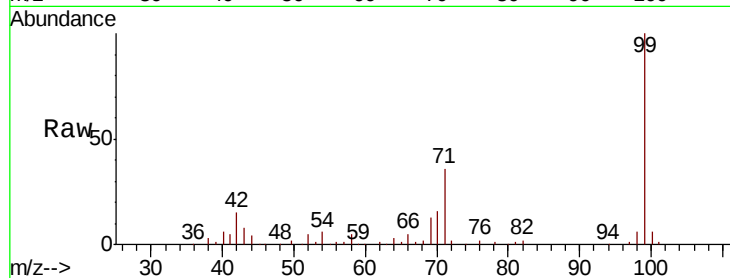
Tot Ion: 99 Resp: 281076

Ion Ratio Lower Upper

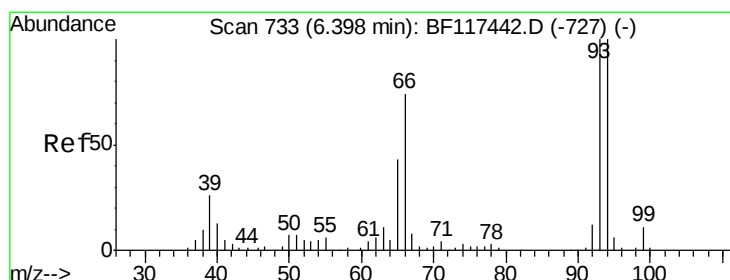
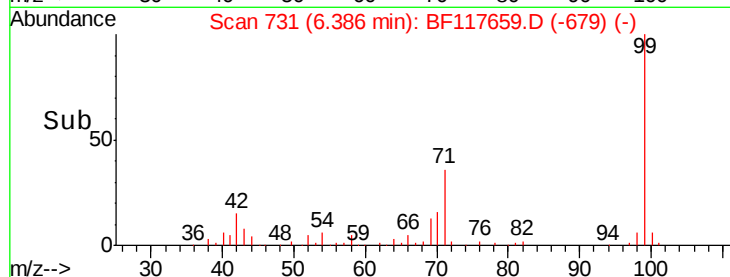
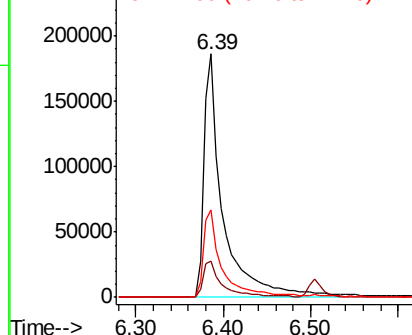
99 100

42 14.9 12.8 19.2

71 35.7 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: 4.195 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.00 min

Lab File: BF117659.D

Acq: 31 Oct 2019 15:44

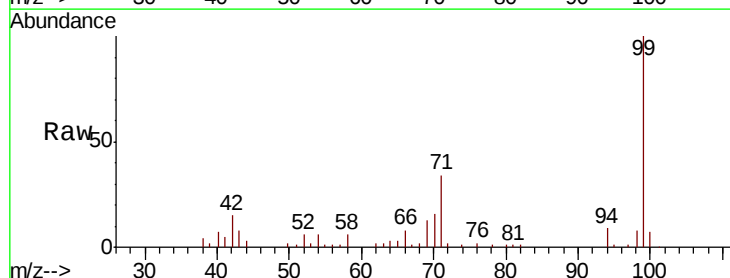
Tgt Ion: 94 Resp: 12211

Ion Ratio Lower Upper

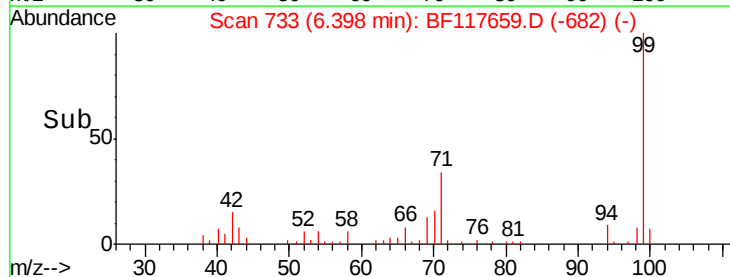
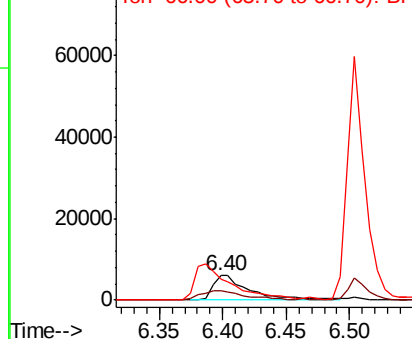
94 100

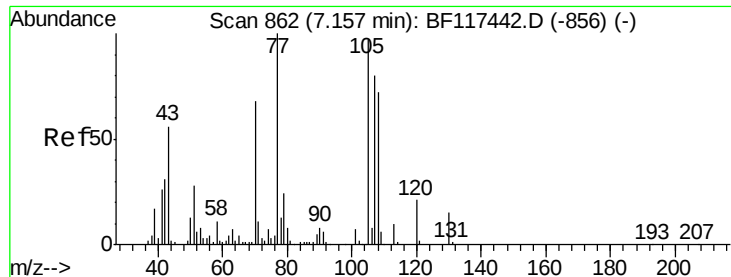
65 37.3 23.4 63.4

66 87.3 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

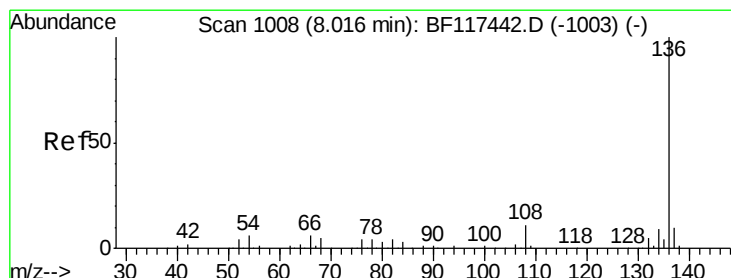
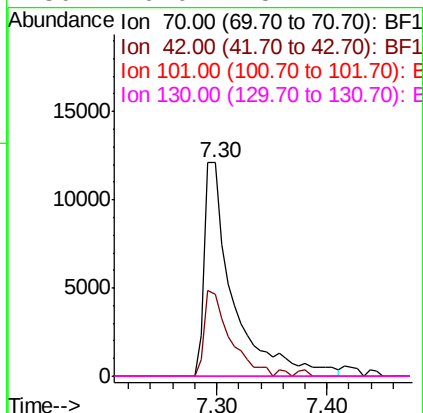
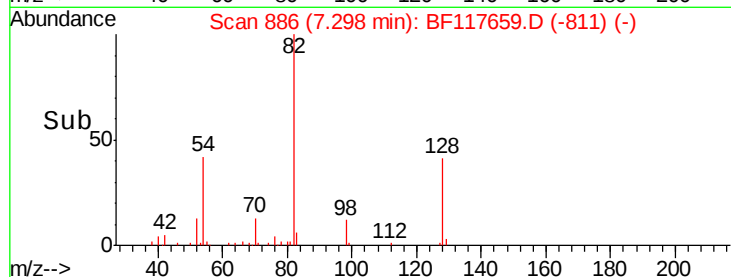
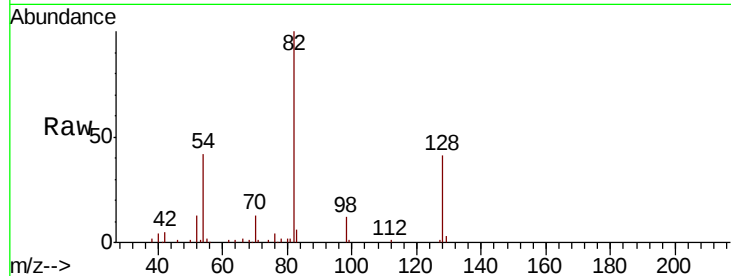




#19
n-Nitroso-di-n-propylamine
Concen: 12.346 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.14 min
Lab File: BF117659.D
Acq: 31 Oct 2019 15:44

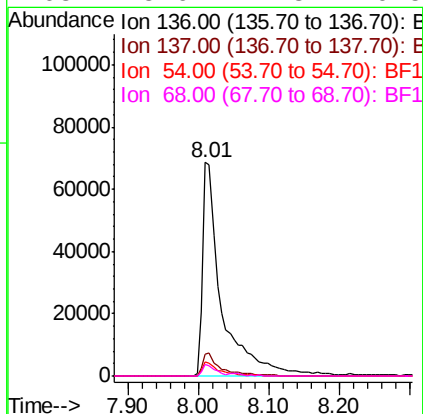
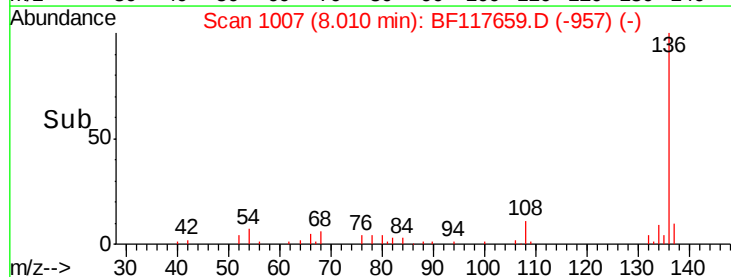
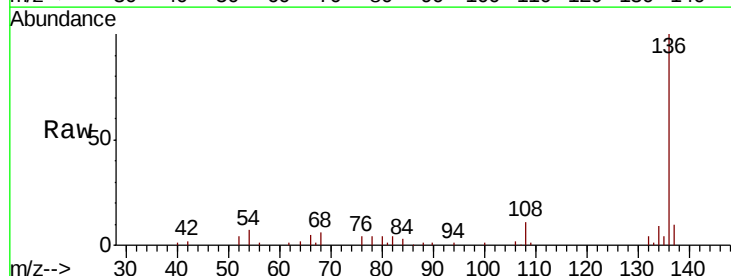
Instrument :
BNA_F
ClientSampleId :

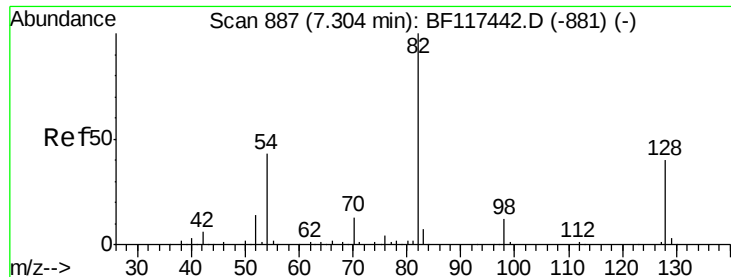
Tot Ion: 70 Resp: 21503
Ion Ratio Lower Upper
70 100
42 38.5 36.7 55.1
101 0.0 8.3 12.5#
130 0.0 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117659.D
Acq: 31 Oct 2019 15:44

Tgt Ion:136 Resp: 130612
Ion Ratio Lower Upper
136 100
137 10.5 8.2 12.4
54 6.6 4.5 6.7
68 5.6 4.3 6.5

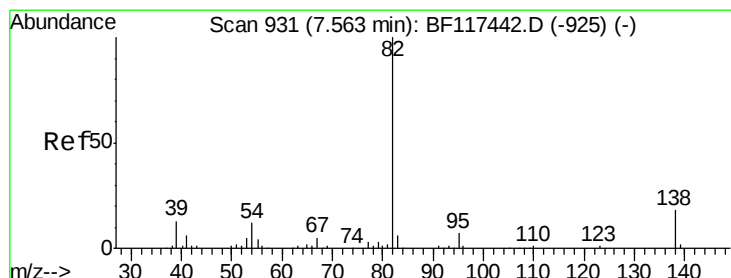
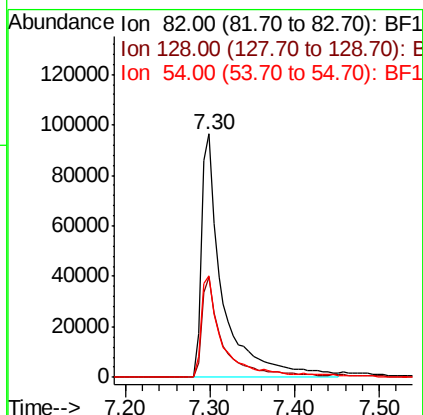
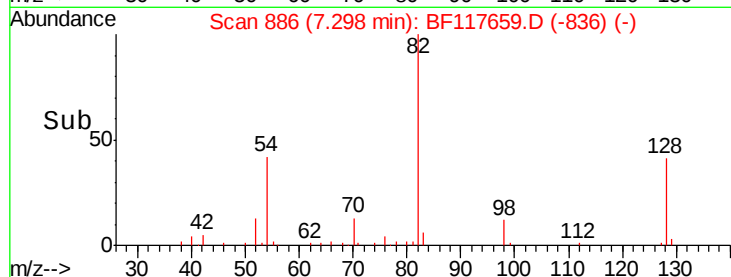
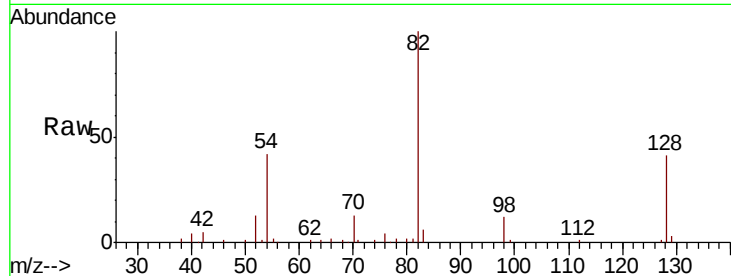




#23
 Nitrobenzene-d5
 Concen: 63.405 ng
 RT: 7.30 min Scan# 886
 Delta R.T. -0.01 min
 Lab File: BF117659.D
 Acq: 31 Oct 2019 15:44

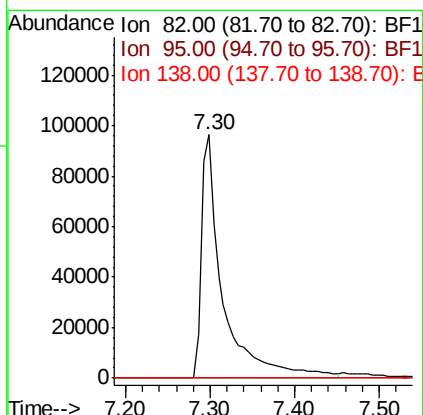
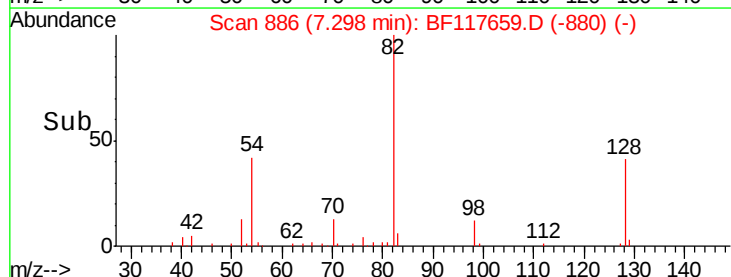
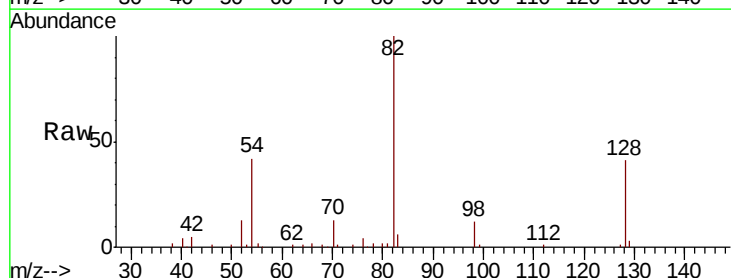
Instrument :
 BNA_F
 ClientSampleId :

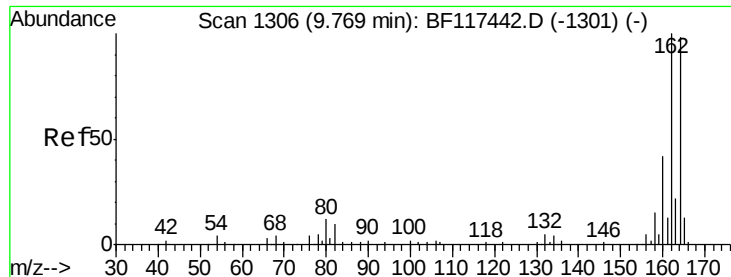
Tot Ion: 82 Resp: 167751
 Ion Ratio Lower Upper
 82 100
 128 41.2 32.2 48.2
 54 41.7 34.2 51.2



#25
 Isophorone
 Concen: 36.652 ng
 RT: 7.30 min Scan# 886
 Delta R.T. -0.26 min
 Lab File: BF117659.D
 Acq: 31 Oct 2019 15:44

Tgt Ion: 82 Resp: 167751
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.0#
 138 0.0 14.2 21.2#

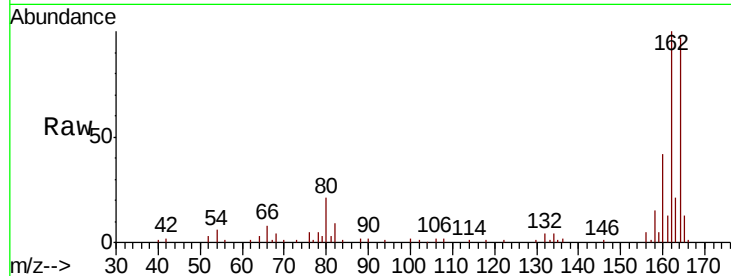




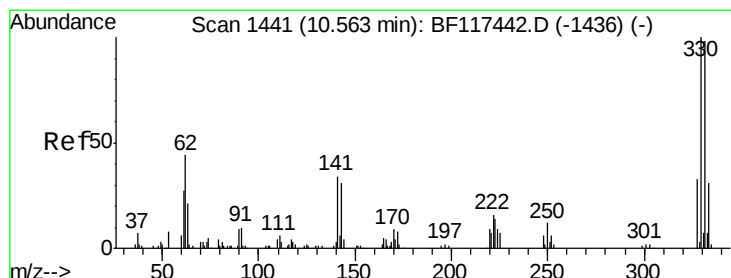
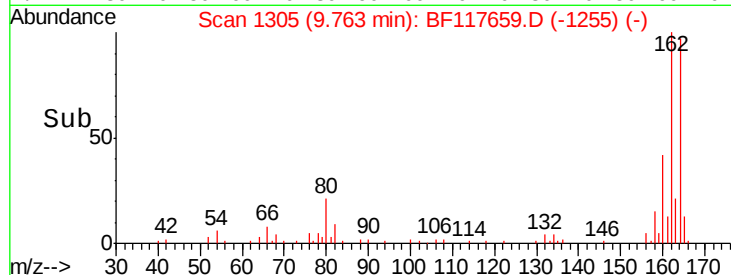
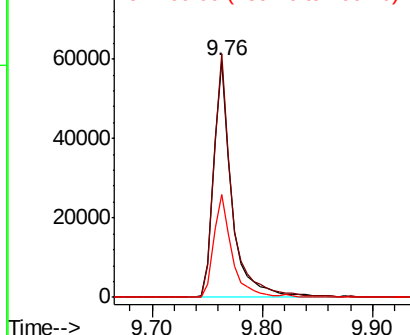
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117659.D
Acq: 31 Oct 2019 15:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 67317
Ion Ratio Lower Upper
164 100
162 102.9 81.8 122.6
160 43.7 34.4 51.6

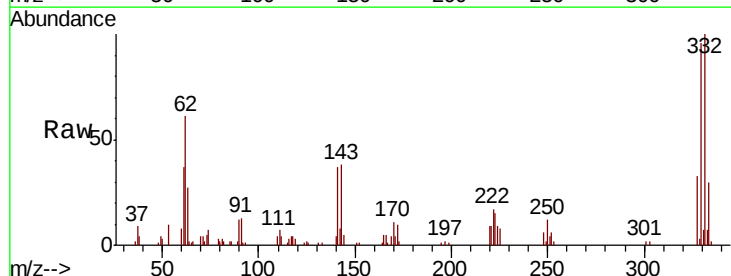


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

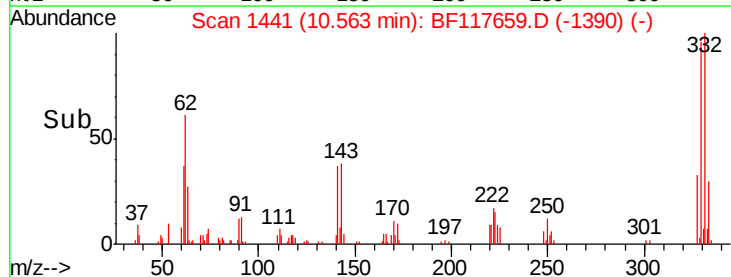
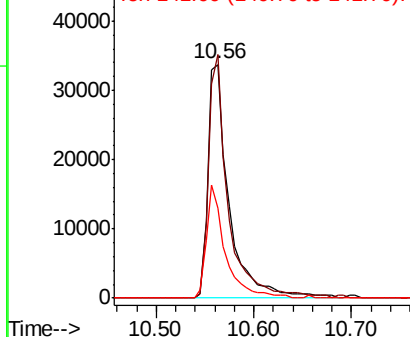


#42
2,4,6-Tribromophenol
Concen: 87.501 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.00 min
Lab File: BF117659.D
Acq: 31 Oct 2019 15:44

Tgt Ion:330 Resp: 50966
Ion Ratio Lower Upper
330 100
332 96.0 78.5 117.7
141 43.0 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

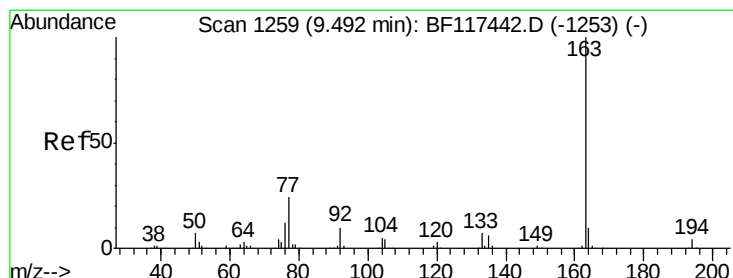
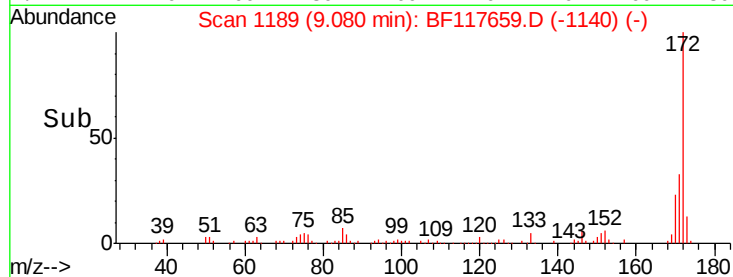
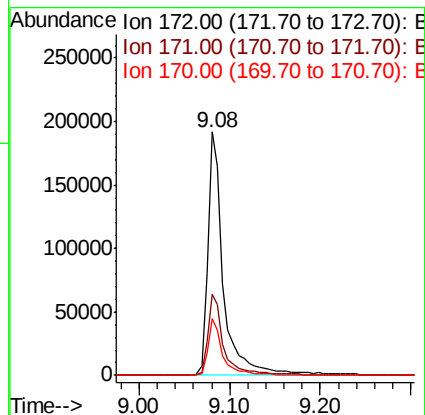
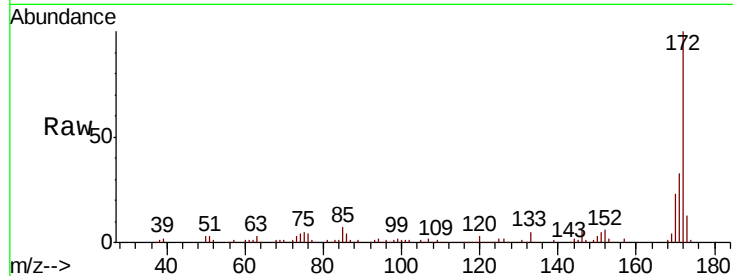




#45
2-Fluorobiphenyl
Concen: 48.920 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF117659.D
Acq: 31 Oct 2019 15:44

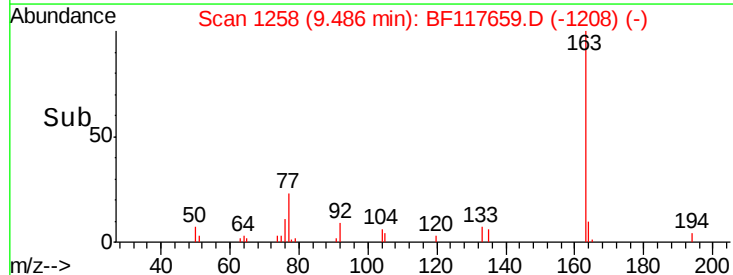
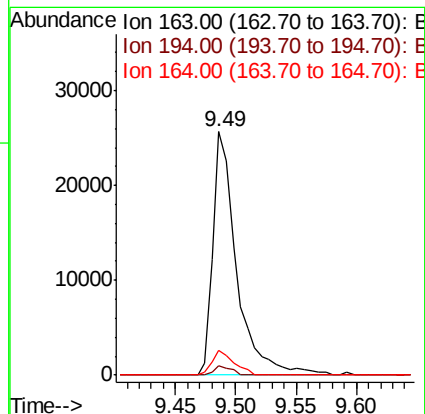
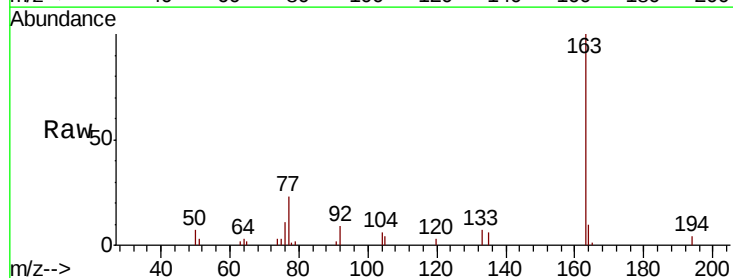
Instrument :
BNA_F
ClientSampled :

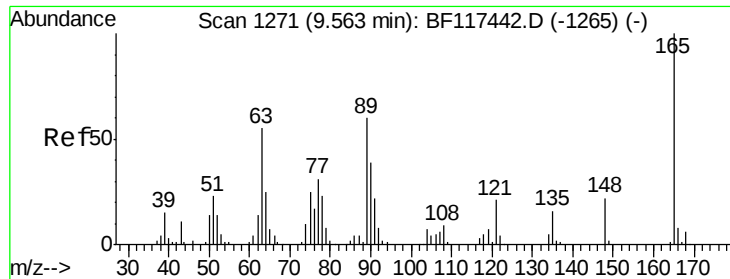
Tot Ion:172 Resp: 233723
Ion Ratio Lower Upper
172 100
171 33.4 27.5 41.3
170 23.2 18.6 27.8



#50
Dimethylphthalate
Concen: 7.267 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BF117659.D
Acq: 31 Oct 2019 15:44

Tgt Ion:163 Resp: 34872
Ion Ratio Lower Upper
163 100
194 3.7 2.9 4.3
164 9.9 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 8.312 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.20 min

Lab File: BF117659.D

Acq: 31 Oct 2019 15:44

Instrument :
BNA_F
ClientSampleId :

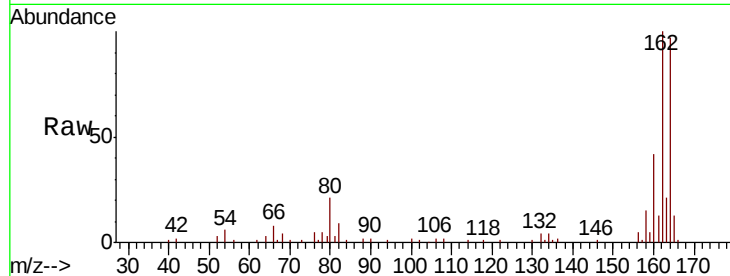
Tot Ion:165 Resp: 8324

Ion Ratio Lower Upper

165 100

63 0.0 43.8 65.8#

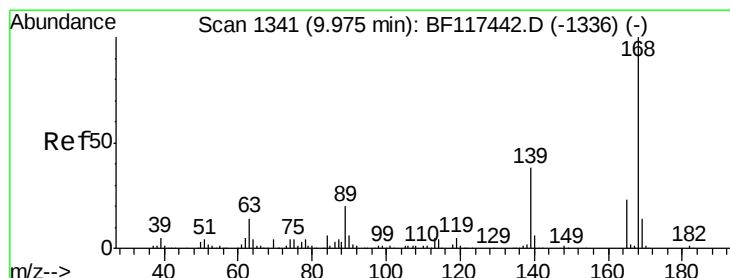
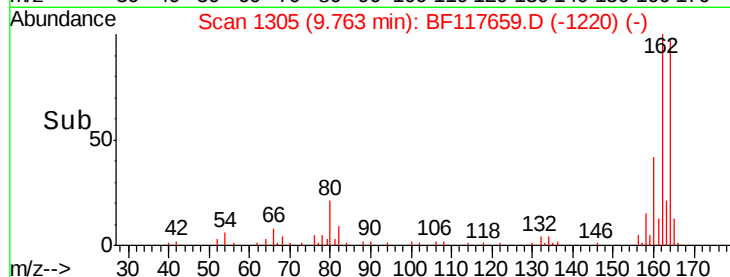
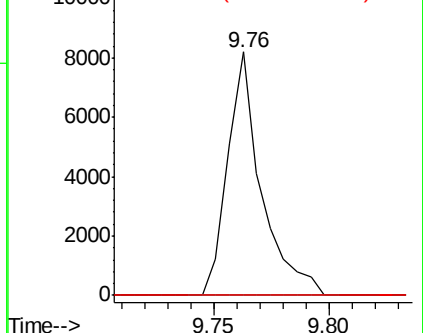
89 0.0 47.6 71.4#



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: 6.252 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.21 min

Lab File: BF117659.D

Acq: 31 Oct 2019 15:44

Tgt Ion:165 Resp: 8324

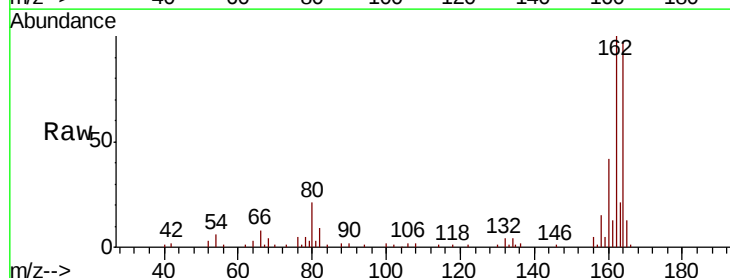
Ion Ratio Lower Upper

165 100

63 0.0 51.4 77.0#

89 0.0 69.9 104.9#

182 0.0 1.9 2.9#

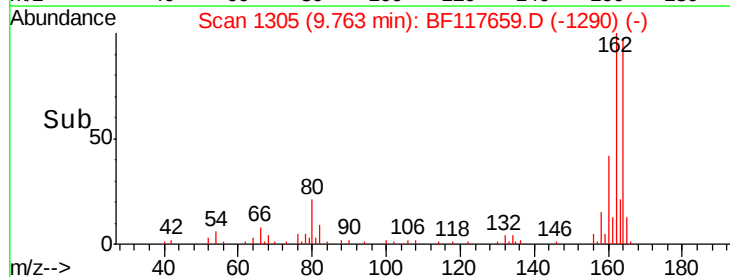
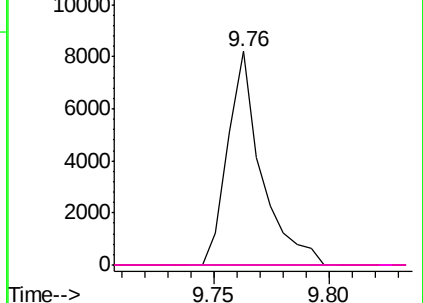


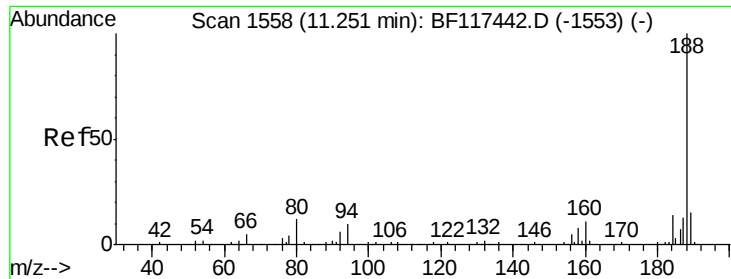
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF117659.D

Acq: 31 Oct 2019 15:44

Instrument :

BNA_F

ClientSampleId :

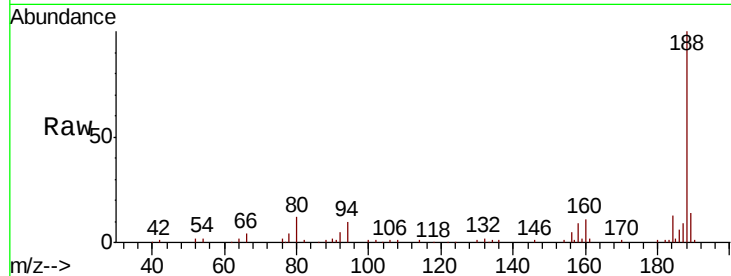
Tot Ion:188 Resp: 116567

Ion Ratio Lower Upper

188 100

94 10.2 8.0 12.0

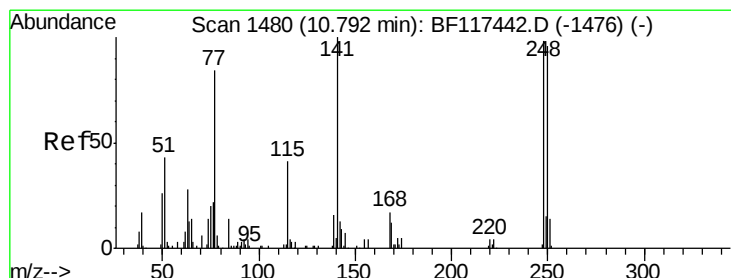
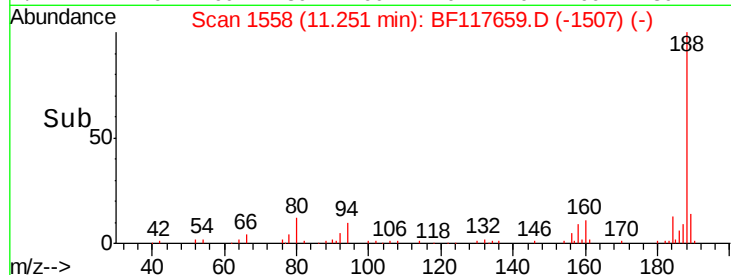
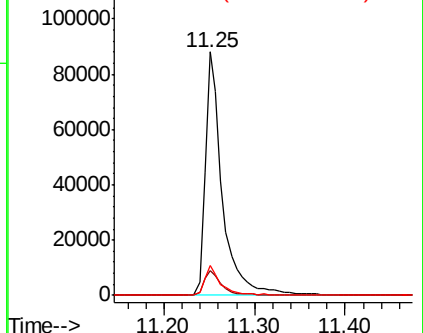
80 12.2 9.5 14.3



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: 2.417 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.24 min

Lab File: BF117659.D

Acq: 31 Oct 2019 15:44

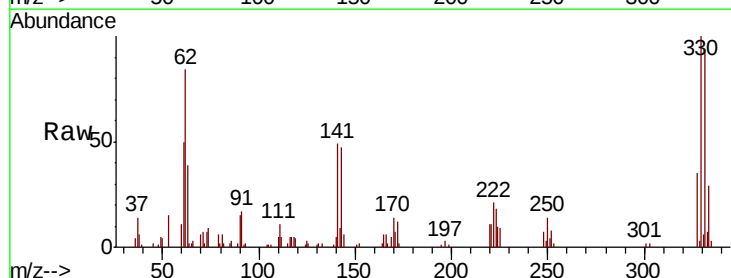
Tgt Ion:248 Resp: 3035

Ion Ratio Lower Upper

248 100

250 187.7 78.0 117.0#

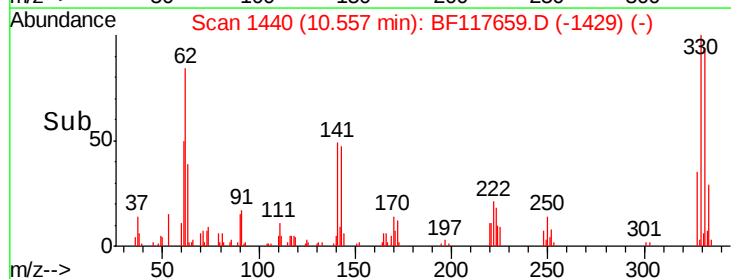
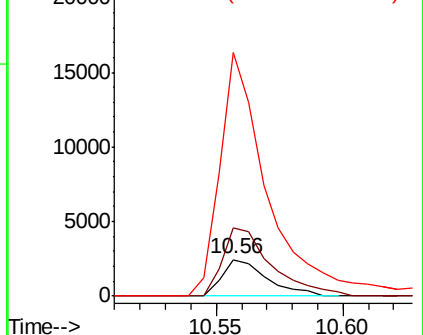
141 665.2 81.7 122.5#

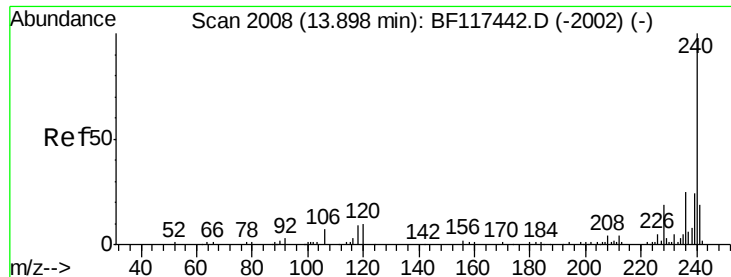


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

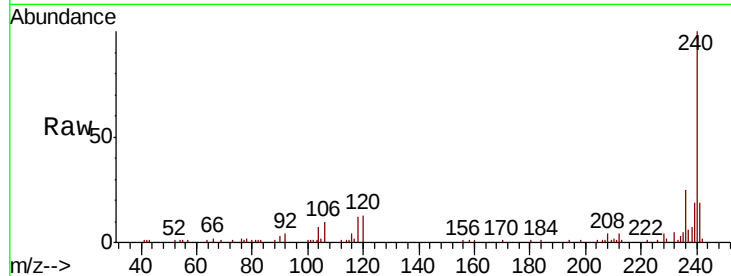




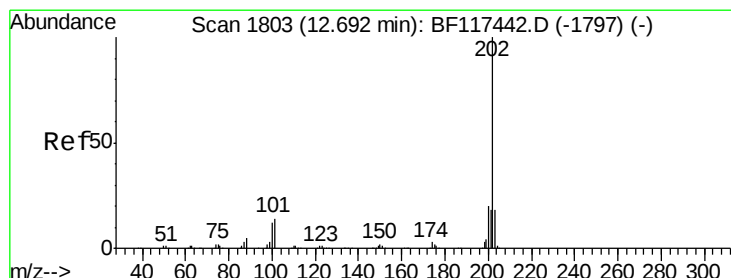
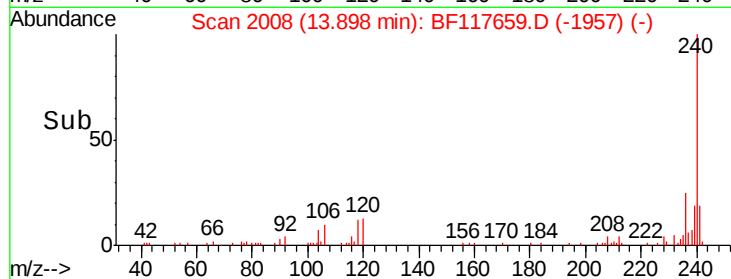
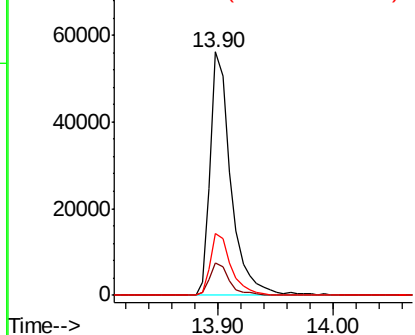
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.00 min
Lab File: BF117659.D
Acq: 31 Oct 2019 15:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 69956
Ion Ratio Lower Upper
240 100
120 13.1 8.4 12.6#
236 25.3 20.0 30.0

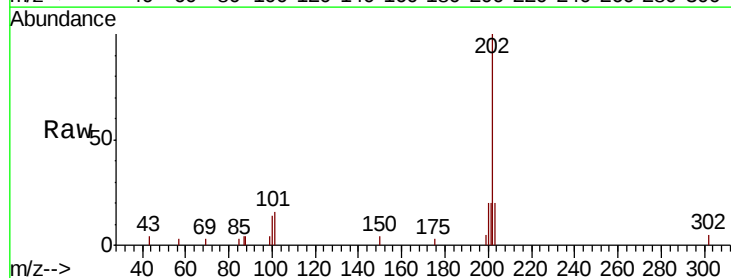


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

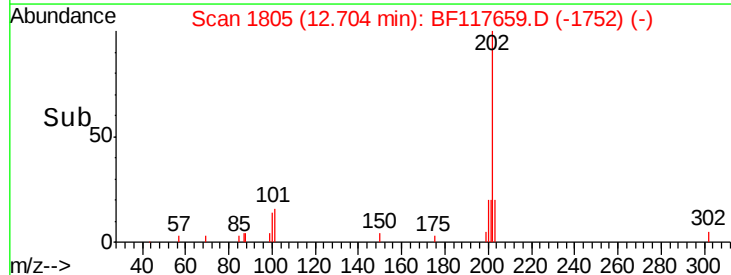
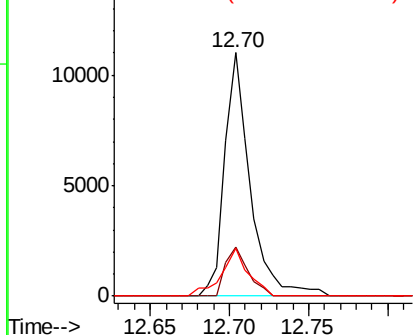


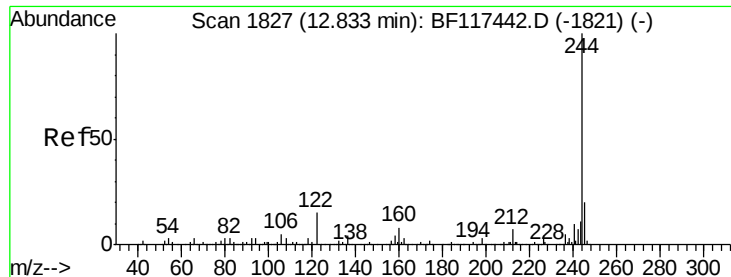
#78
Pyrene
Concen: 2.048 ng
RT: 12.70 min Scan# 1805
Delta R.T. 0.01 min
Lab File: BF117659.D
Acq: 31 Oct 2019 15:44

Tgt Ion:202 Resp: 12306
Ion Ratio Lower Upper
202 100
200 20.1 16.2 24.2
203 19.6 14.0 21.0



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

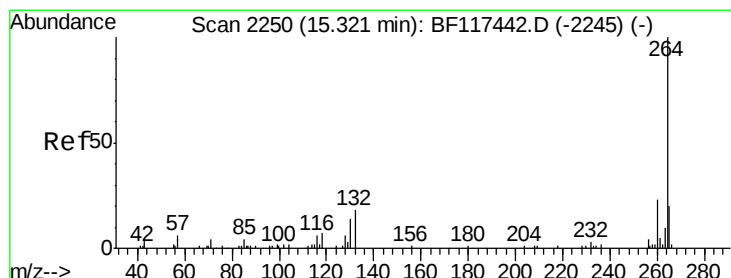
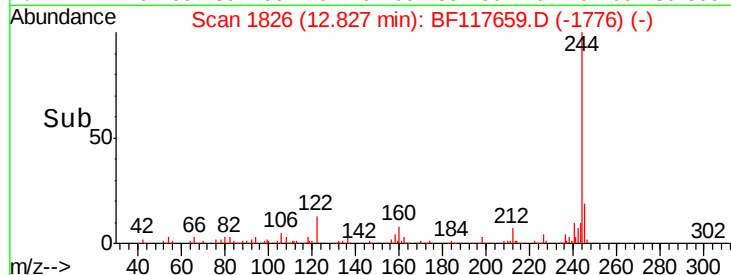
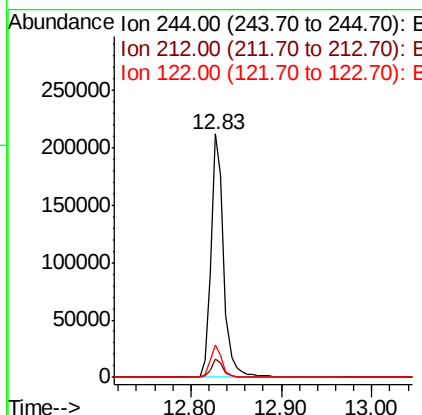
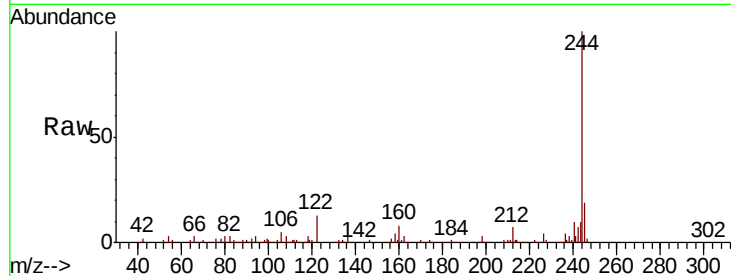




#79
 Terphenyl-d14
 Concen: 48.693 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF117659.D
 Acq: 31 Oct 2019 15:44

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 208836
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.8 8.6
 122 13.2 11.8 17.8



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.34 min Scan# 2253
 Delta R.T. 0.02 min
 Lab File: BF117659.D
 Acq: 31 Oct 2019 15:44

Tgt Ion:264 Resp: 67433
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.4 27.6
 265 19.6 16.1 24.1

