

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
 Data File : BF117606.D
 Acq On : 29 Oct 2019 23:00
 Operator : JU
 Sample : K5587-14
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 30 04:22:38 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	32610	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	111263	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	48403	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	79222	20.00	ng	0.00
76) Chrysene-d12	13.90	240	60791	20.00	ng	0.00
87) Perylene-d12	15.33	264	45010	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	197224	89.98	ng	0.00
7) Phenol-d6	6.39	99	247405	84.04	ng	0.00
23) Nitrobenzene-d5	7.29	82	136272	60.46	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	36027	86.02	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	213364	62.11	ng	-0.01
79) Terphenyl-d14	12.83	244	211901	56.86	ng	0.00

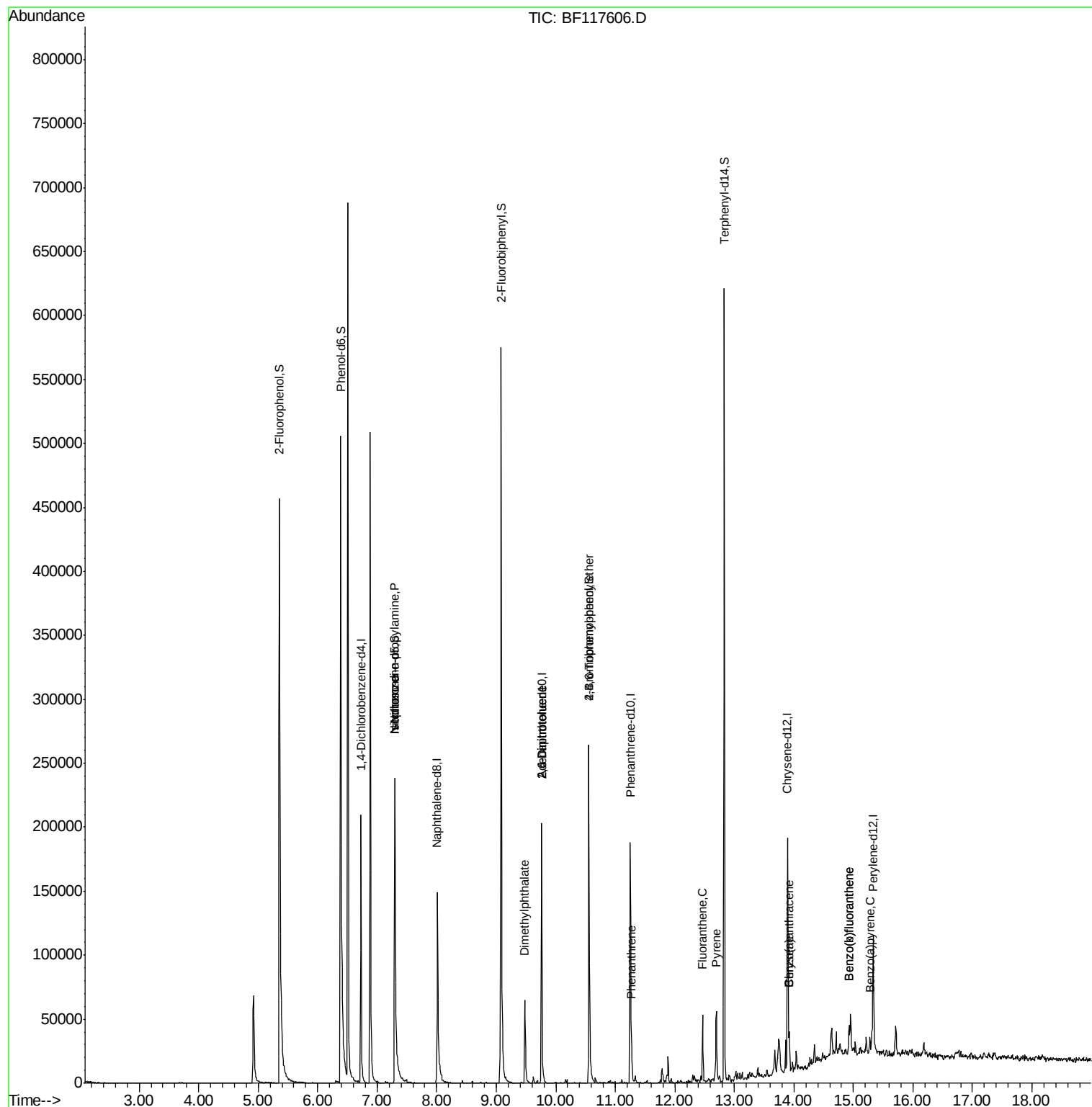
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	18369	10.216	ng	# 77
25) Isophorone	7.29	82	136271	34.952	ng	# 65
50) Dimethylphthalate	9.48	163	36269	10.511	ng	97
51) 2,6-Dinitrotoluene	9.76	165	5918	8.219	ng	# 22
57) 2,4-Dinitrotoluene	9.76	165	5918	6.182	ng	# 12
67) 4-Bromophenyl-phenylether	10.56	248	2128	2.494	ng	# 1
71) Phenanthrene	11.27	178	9216	2.003	ng	100
75) Fluoranthene	12.47	202	26362	5.725	ng	96
77) Benzidine	12.83	184	2788	Below Cal		# 96
78) Pyrene	12.70	202	23506	4.502	ng	99
81) Benzo(a)anthracene	13.92	228	11708	2.855	ng	95
83) Chrysene	13.92	228	11708	2.913	ng	98
88) Benzo(b)fluoranthene	14.93	252	14409	5.421	ng	# 95
89) Benzo(k)fluoranthene	14.93	252	14409	5.289	ng	# 95
90) Benzo(a)pyrene	15.28	252	6272	2.595	ng	# 81

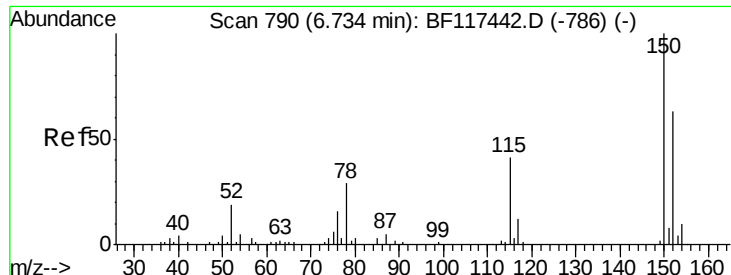
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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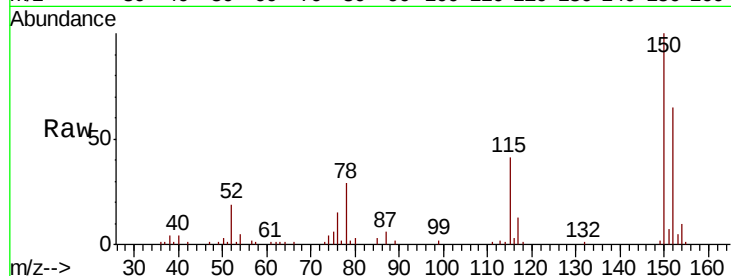


#1

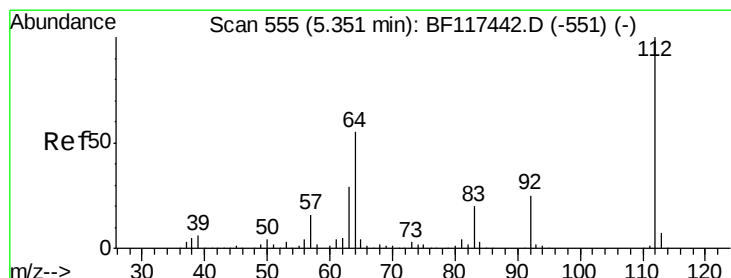
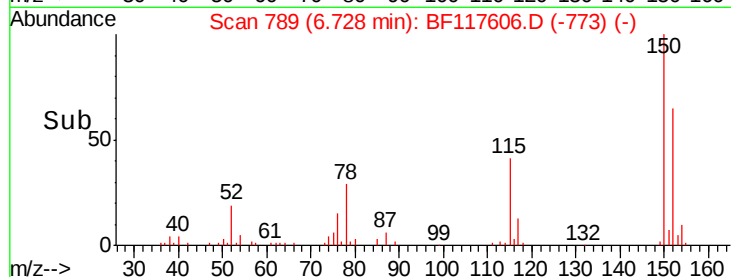
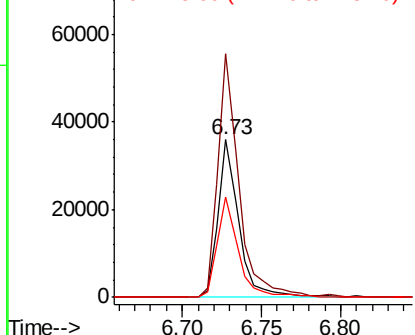
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117606.D
Acq: 29 Oct 2019 23:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 32610
Ion Ratio Lower Upper
152 100
150 154.5 126.8 190.2
115 63.4 51.6 77.4



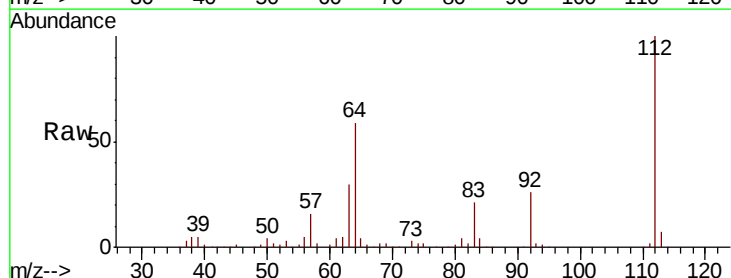
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



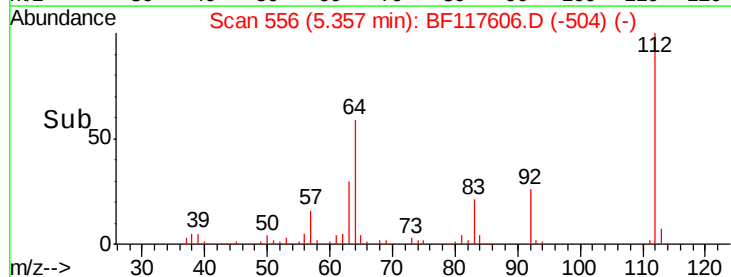
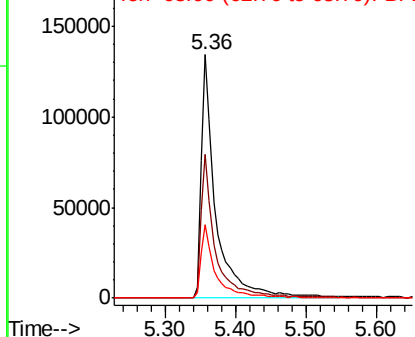
#5

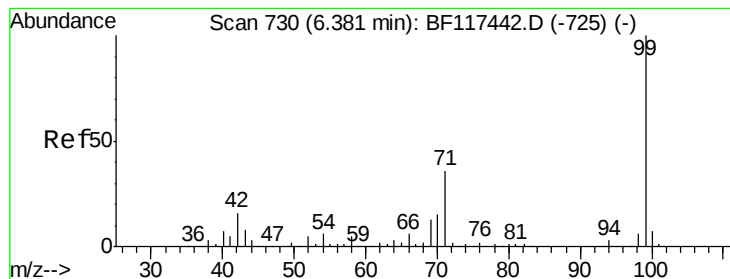
2-Fluorophenol
Concen: 89.976 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF117606.D
Acq: 29 Oct 2019 23:00

Tgt Ion:112 Resp: 197224
Ion Ratio Lower Upper
112 100
64 59.1 44.1 66.1
63 29.9 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: 84.035 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117606.D

Acq: 29 Oct 2019 23:00

Instrument :

BNA_F

ClientSampled :

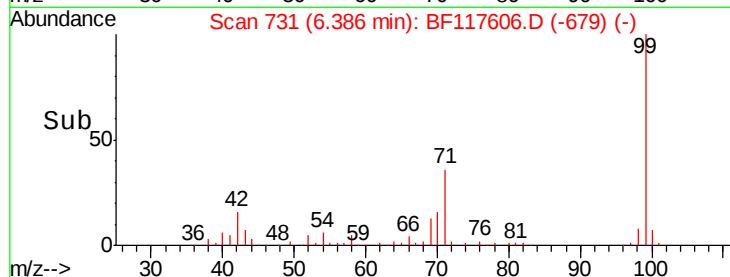
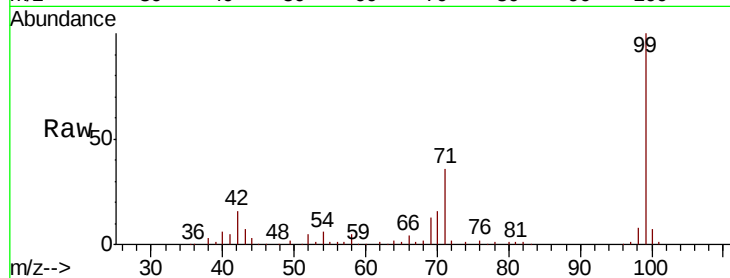
Tot Ion: 99 Resp: 247405

Ion Ratio Lower Upper

99 100

42 15.9 12.8 19.2

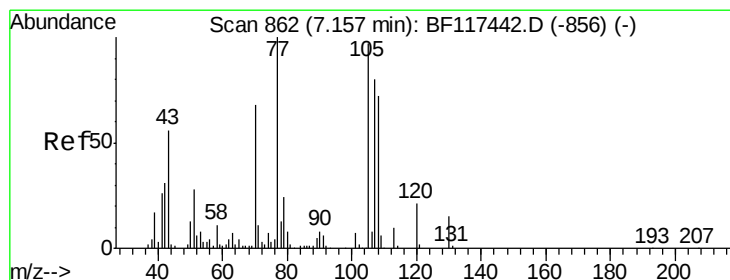
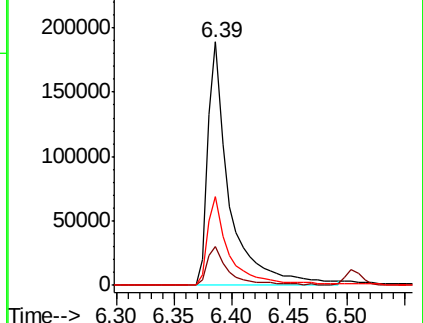
71 36.2 28.6 43.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 10.216 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.14 min

Lab File: BF117606.D

Acq: 29 Oct 2019 23:00

Tgt Ion: 70 Resp: 18369

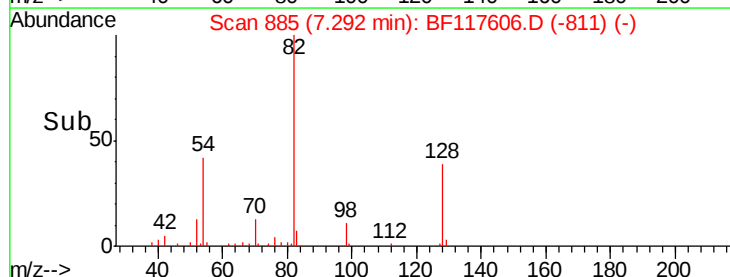
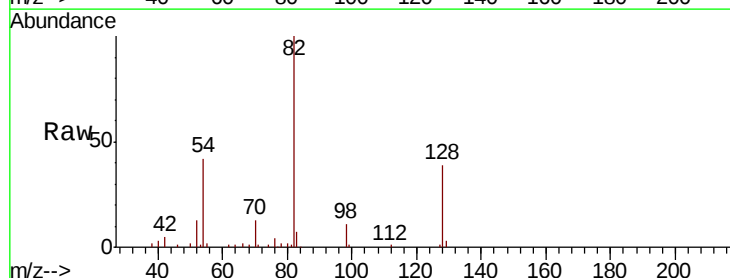
Ion Ratio Lower Upper

70 100

42 39.4 36.7 55.1

101 0.0 8.3 12.5#

130 0.0 18.1 27.1#

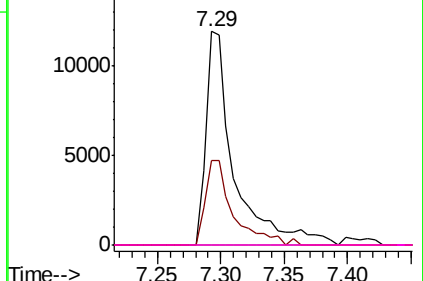


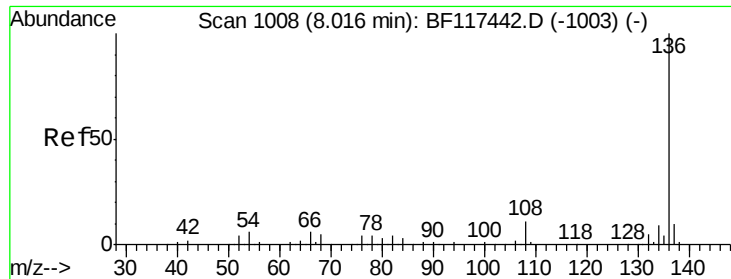
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

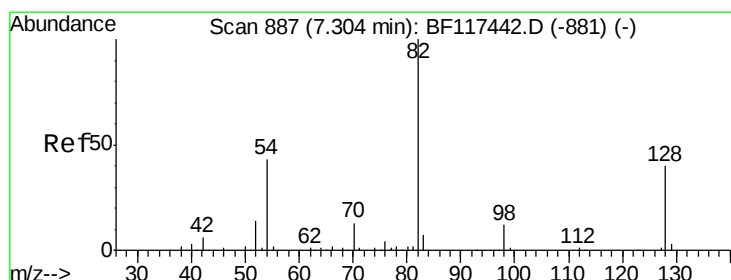
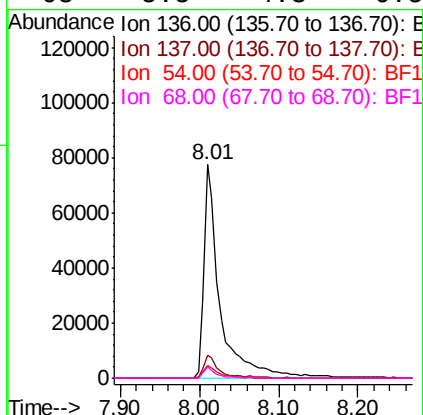
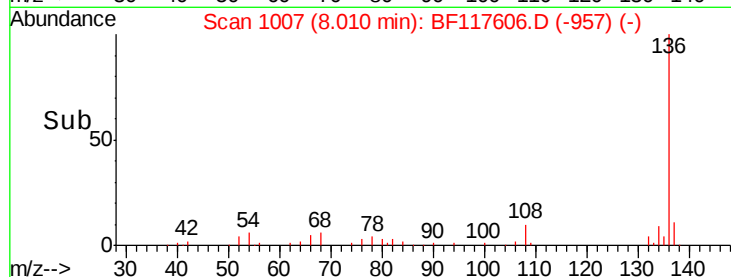
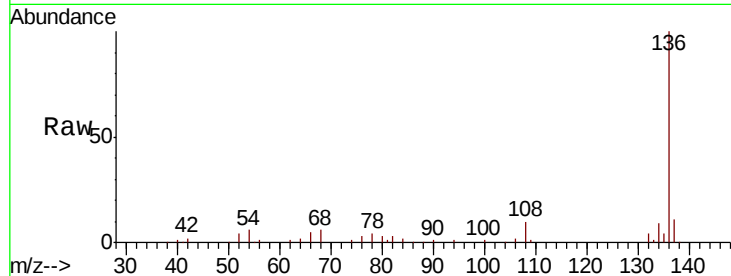




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117606.D
Acq: 29 Oct 2019 23:00

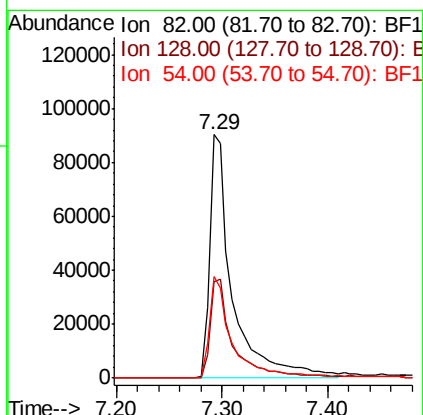
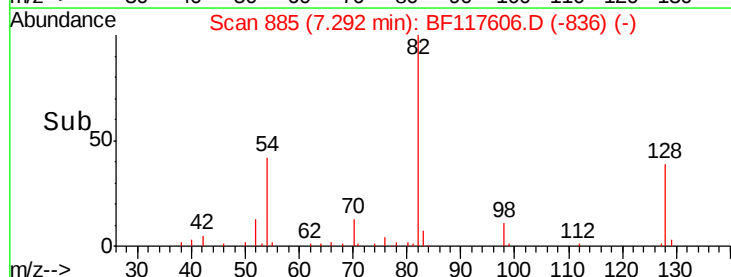
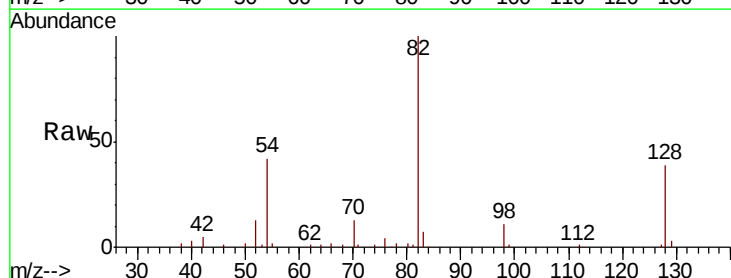
Instrument :
BNA_F
ClientSampleId :

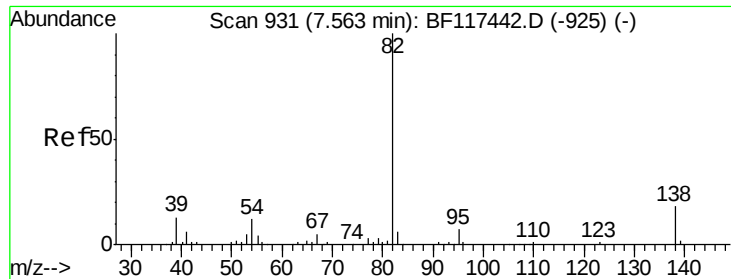
Tot Ion:136	Resp:	111263
Ion	Ratio	Lower Upper
136	100	
137	10.9	8.2 12.4
54	5.9	4.5 6.7
68	5.5	4.3 6.5



#23
Nitrobenzene-d5
Concen: 60.464 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF117606.D
Acq: 29 Oct 2019 23:00

Tgt Ion: 82	Resp:	136272
Ion	Ratio	Lower Upper
82	100	
128	39.4	32.2 48.2
54	41.8	34.2 51.2





#25

Isophorone

Concen: 34.952 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.27 min

Lab File: BF117606.D

Acq: 29 Oct 2019 23:00

Instrument :

BNA_F

ClientSampled :

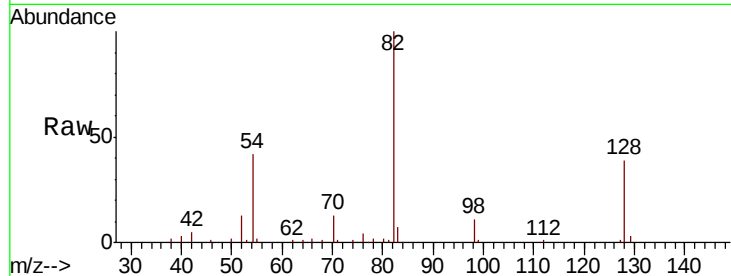
Tot Ion: 82 Resp: 136271

Ion Ratio Lower Upper

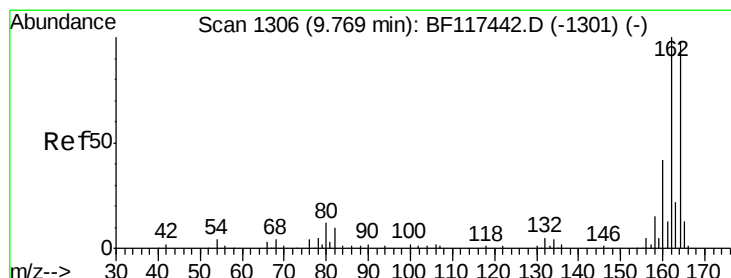
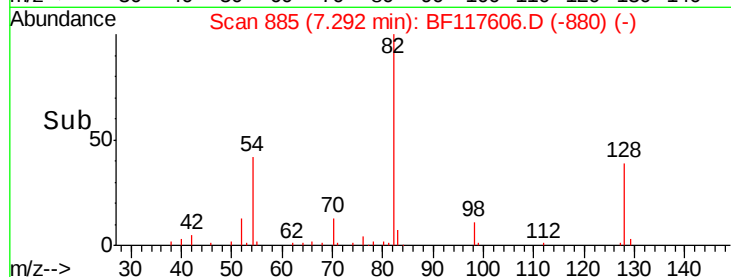
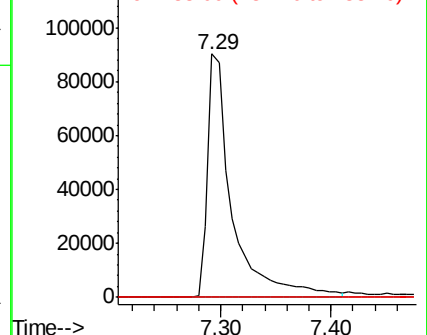
82 100

95 0.0 5.4 8.0#

138 0.0 14.2 21.2#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF117606.D

Acq: 29 Oct 2019 23:00

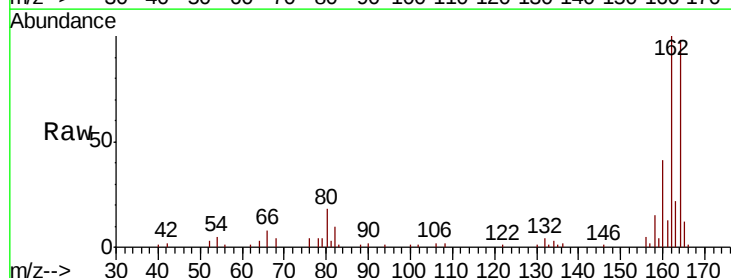
Tgt Ion: 164 Resp: 48403

Ion Ratio Lower Upper

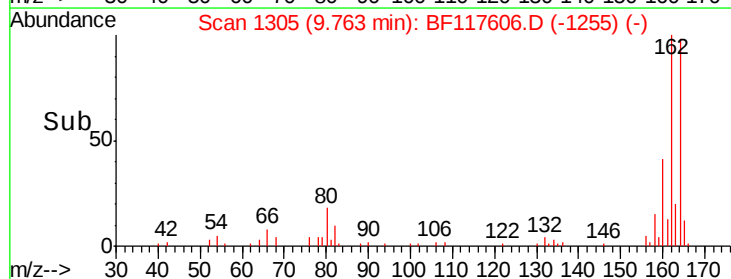
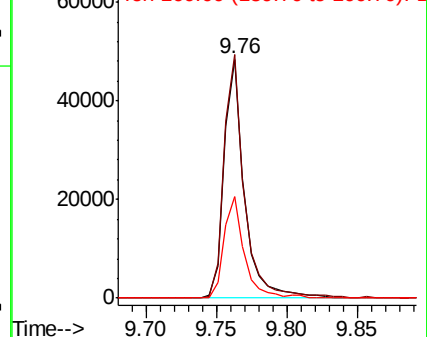
164 100

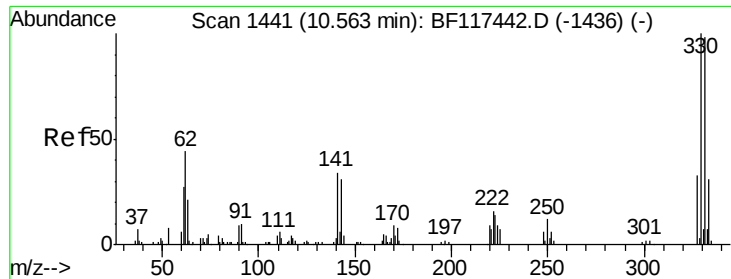
162 102.0 81.8 122.6

160 42.3 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

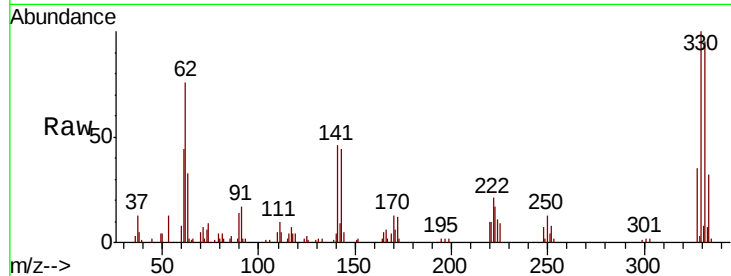




#42
 2,4,6-Tribromophenol
 Concen: 86.022 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF117606.D
 Acq: 29 Oct 2019 23:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	78.5	117.7
141	44.8	37.0	55.6

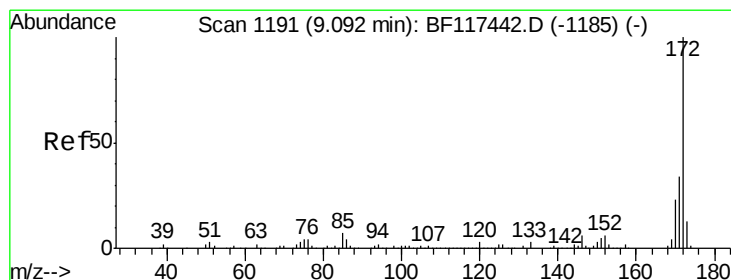
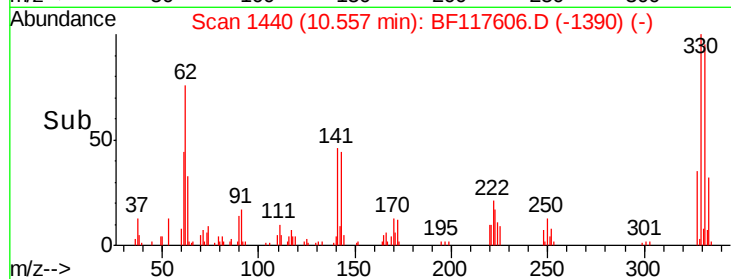
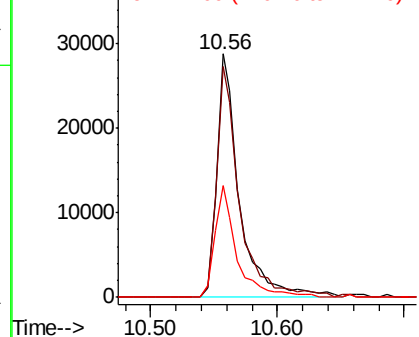


Abundance

Ion 329.80 (329.50 to 330.50): E

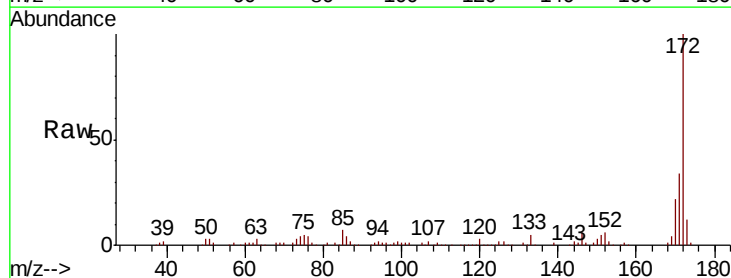
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 62.109 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF117606.D
 Acq: 29 Oct 2019 23:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.8	27.5	41.3
170	21.9	18.6	27.8

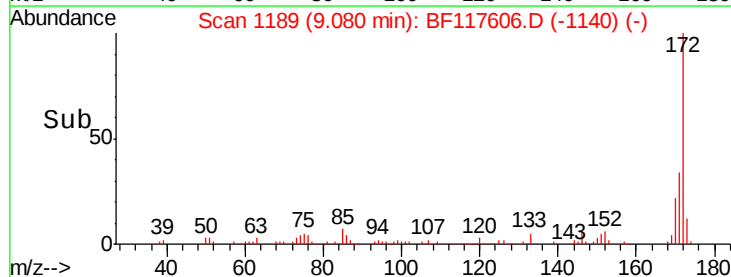
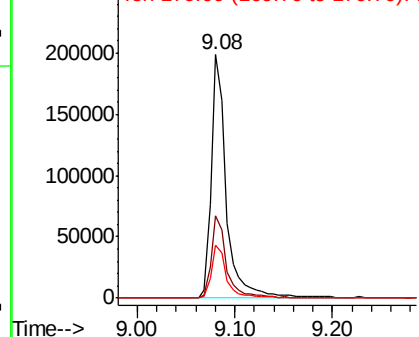


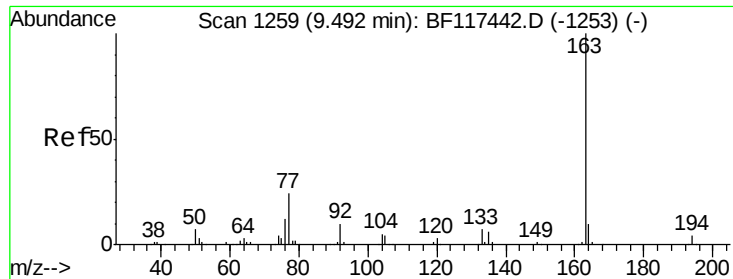
Abundance

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: 10.511 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.01 min

Lab File: BF117606.D

Acq: 29 Oct 2019 23:00

Instrument :

BNA_F

ClientSampleId :

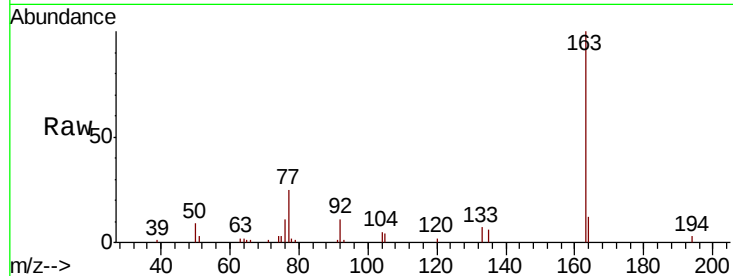
Tot Ion:163 Resp: 36269

Ion Ratio Lower Upper

163 100

194 3.4 2.9 4.3

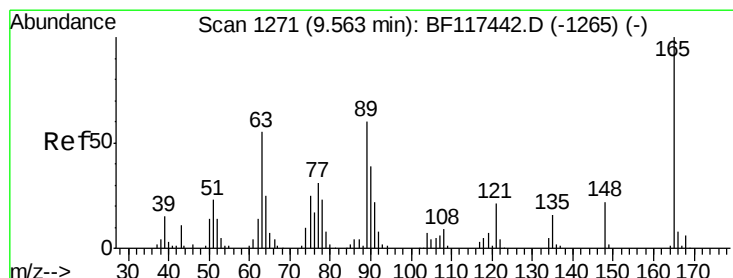
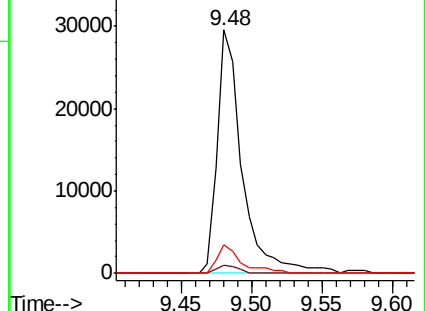
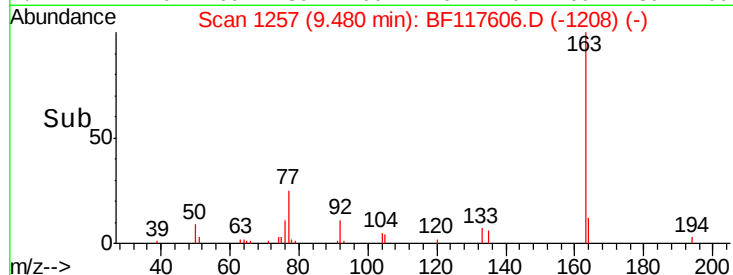
164 11.9 8.2 12.2



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: 8.219 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.20 min

Lab File: BF117606.D

Acq: 29 Oct 2019 23:00

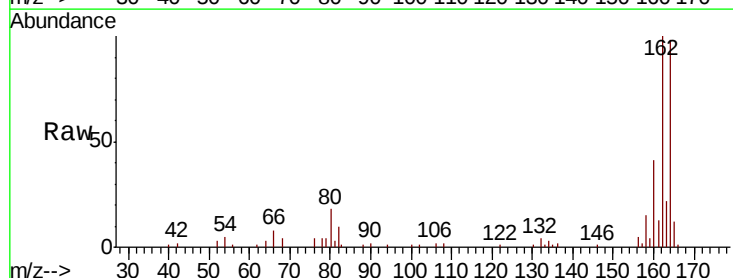
Tgt Ion:165 Resp: 5918

Ion Ratio Lower Upper

165 100

63 0.0 43.8 65.8#

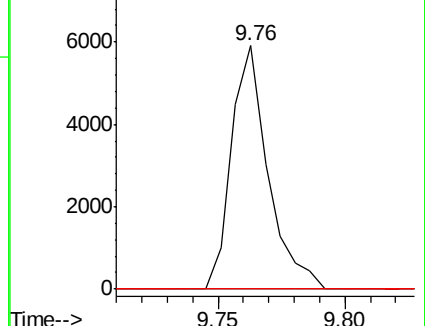
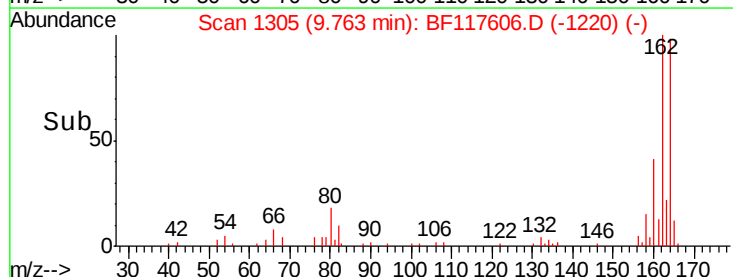
89 0.0 47.6 71.4#

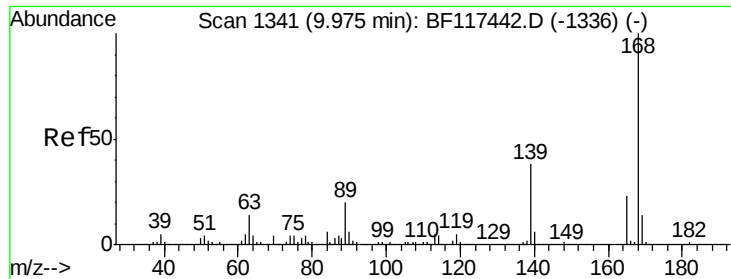


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

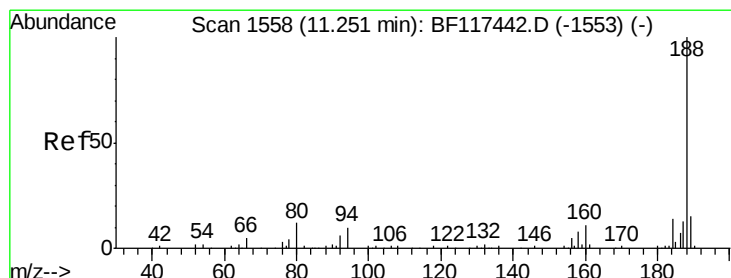
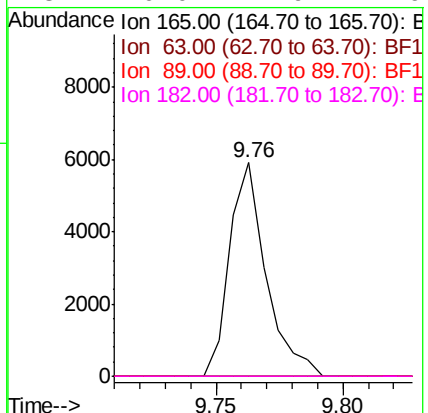
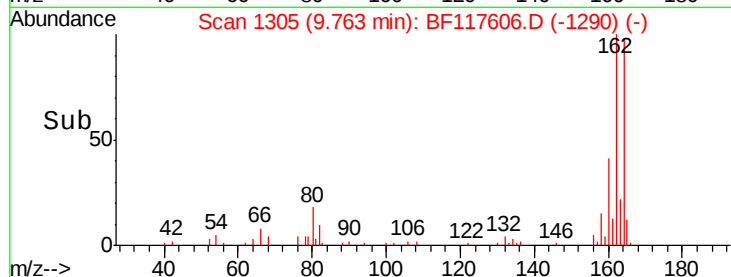
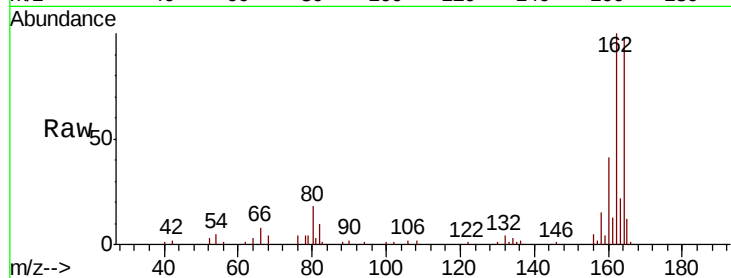




#57
 2,4-Dinitrotoluene
 Concen: 6.182 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.21 min
 Lab File: BF117606.D
 Acq: 29 Oct 2019 23:00

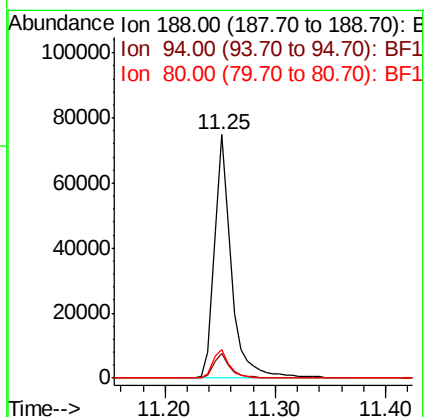
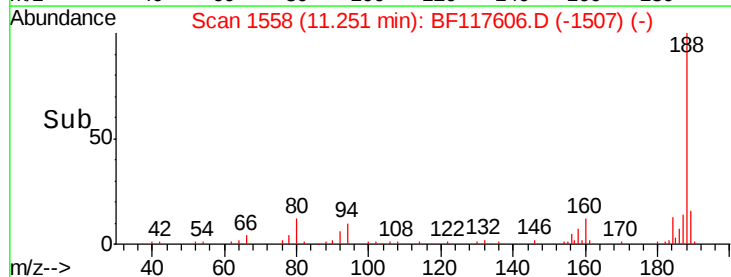
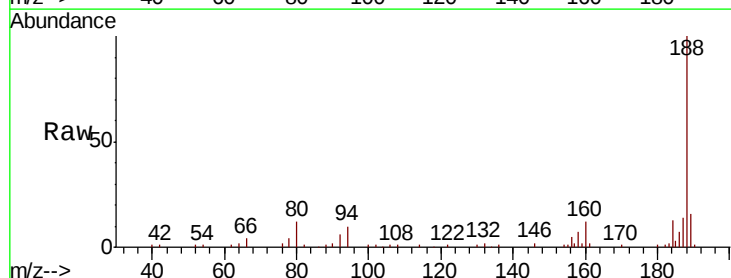
Instrument :
 BNA_F
 ClientSampleId :

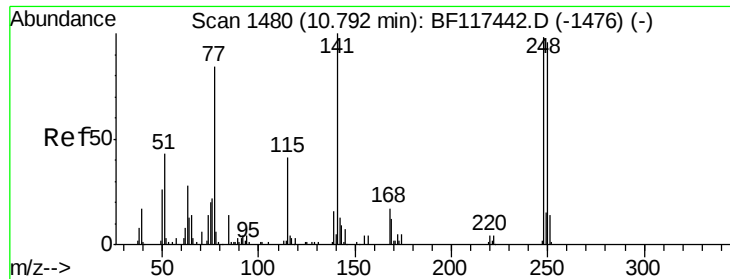
Tot Ion:165 Resp: 5918
 Ion Ratio Lower Upper
 165 100
 63 0.0 51.4 77.0#
 89 0.0 69.9 104.9#
 182 0.0 1.9 2.9#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: BF117606.D
 Acq: 29 Oct 2019 23:00

Tgt Ion:188 Resp: 79222
 Ion Ratio Lower Upper
 188 100
 94 9.9 8.0 12.0
 80 11.7 9.5 14.3





#67

4-Bromophenyl-phenylether

Concen: 2.494 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.24 min

Lab File: BF117606.D

Acq: 29 Oct 2019 23:00

Instrument :

BNA_F

ClientSampleId :

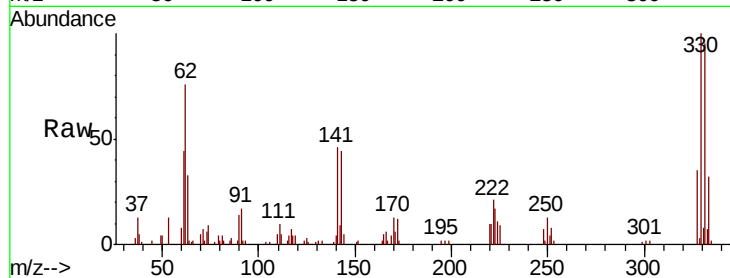
Tot Ion:248 Resp: 2128

Ion Ratio Lower Upper

248 100

250 181.2 78.0 117.0#

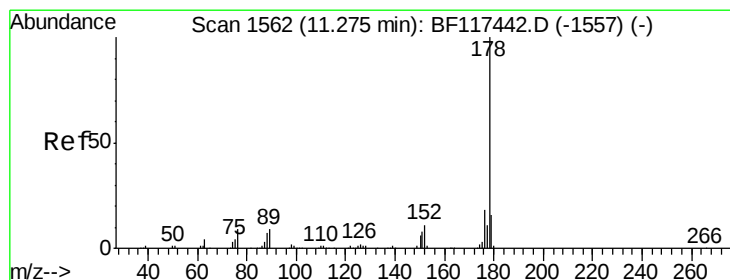
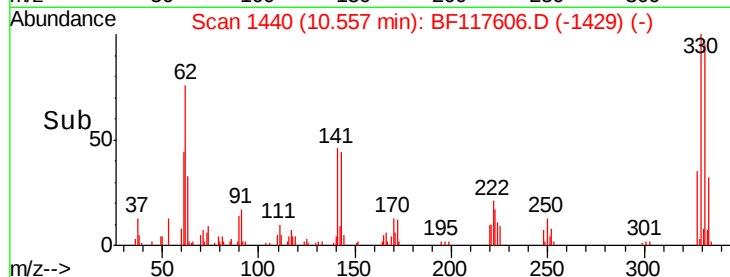
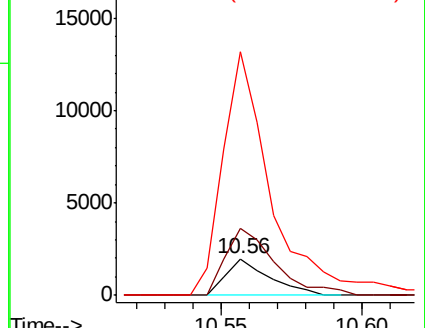
141 661.5 81.7 122.5#



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



#71

Phenanthrene

Concen: 2.003 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.00 min

Lab File: BF117606.D

Acq: 29 Oct 2019 23:00

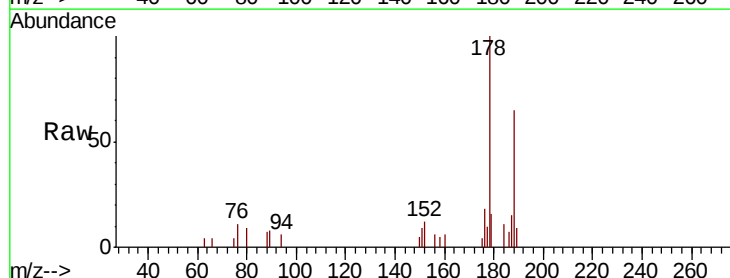
Tgt Ion:178 Resp: 9216

Ion Ratio Lower Upper

178 100

176 18.2 14.6 22.0

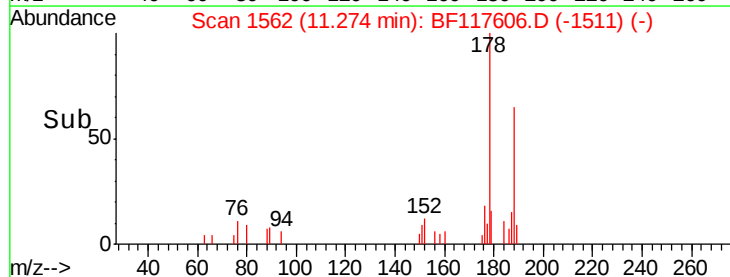
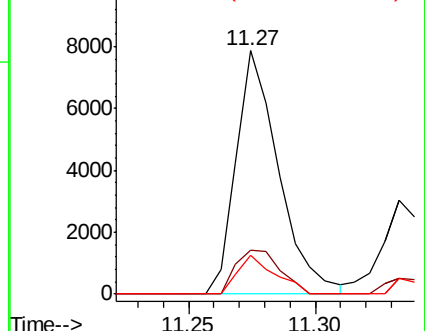
179 15.7 12.6 19.0

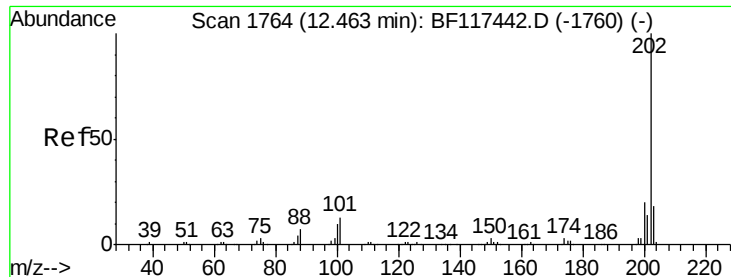


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 5.725 ng

RT: 12.47 min Scan# 1765

Delta R.T. 0.01 min

Lab File: BF117606.D

Acq: 29 Oct 2019 23:00

Instrument :

BNA_F

ClientSampleId :

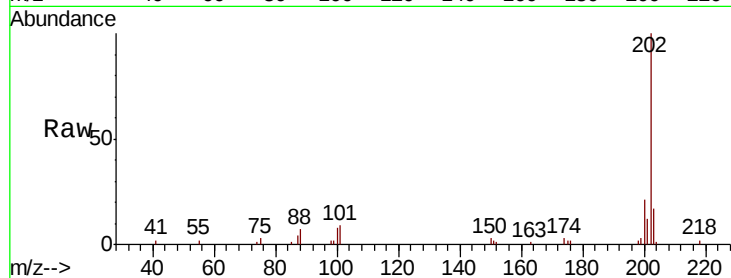
Tot Ion:202 Resp: 26362

Ion Ratio Lower Upper

202 100

101 9.3 0.0 32.7

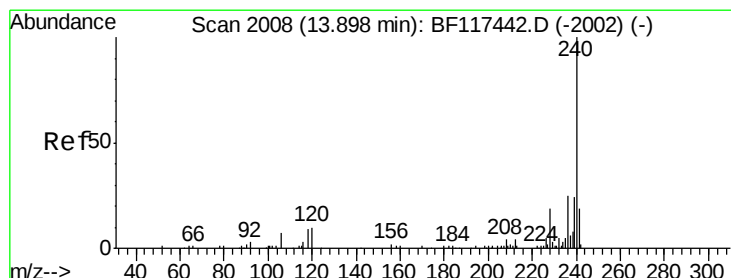
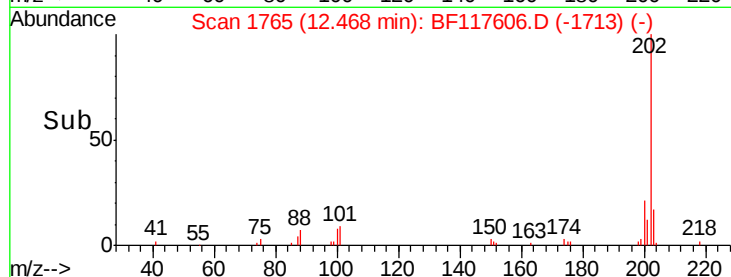
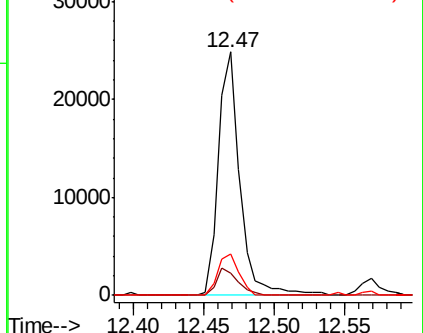
203 17.0 0.0 37.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.00 min

Lab File: BF117606.D

Acq: 29 Oct 2019 23:00

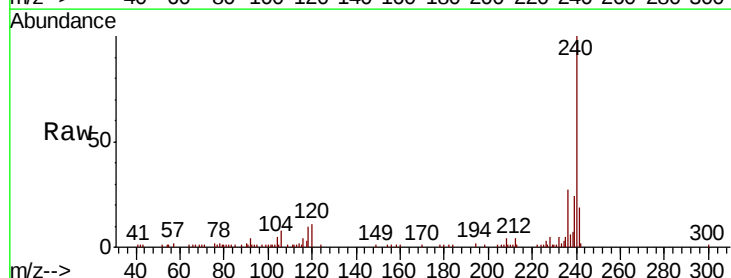
Tgt Ion:240 Resp: 60791

Ion Ratio Lower Upper

240 100

120 10.8 8.4 12.6

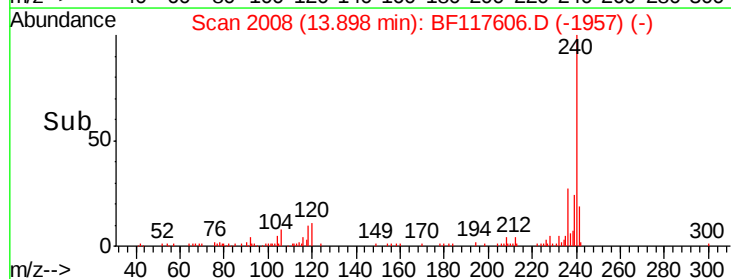
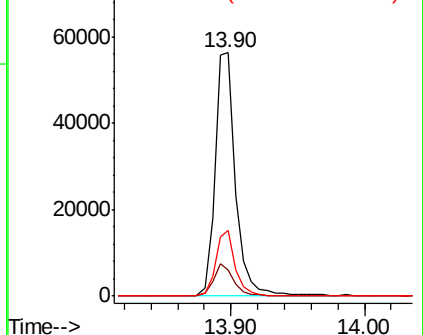
236 26.8 20.0 30.0

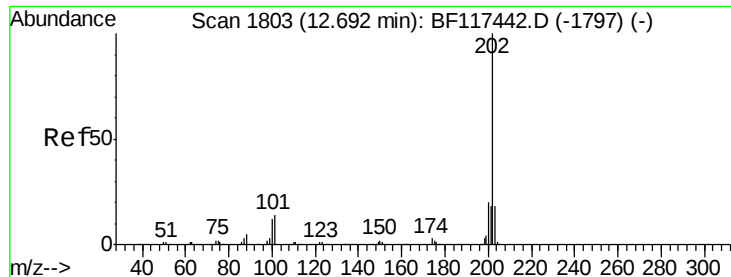


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 4.502 ng

RT: 12.70 min Scan# 1804

Delta R.T. 0.01 min

Lab File: BF117606.D

Acq: 29 Oct 2019 23:00

Instrument :

BNA_F

ClientSampleId :

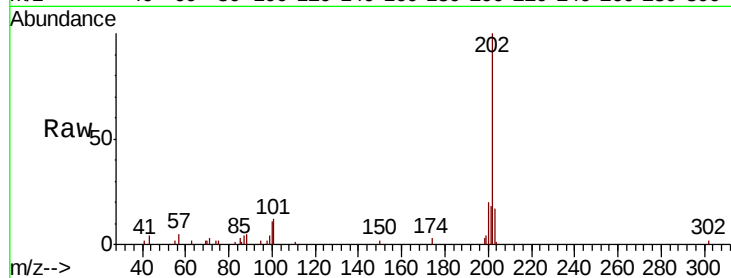
Tot Ion:202 Resp: 23506

Ion Ratio Lower Upper

202 100

200 19.6 16.2 24.2

203 17.2 14.0 21.0

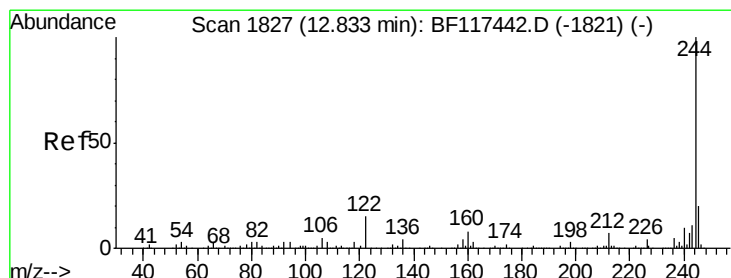
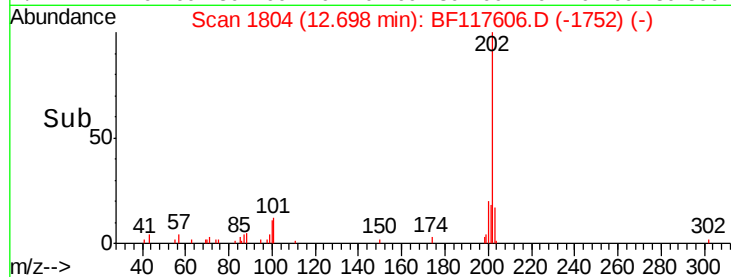
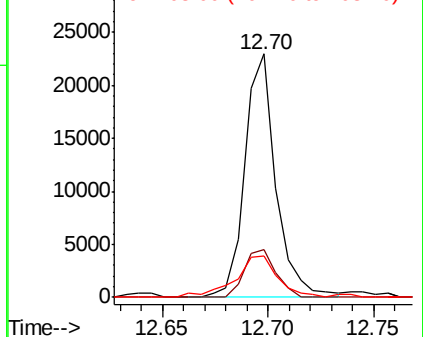


Abundance

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: 56.856 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF117606.D

Acq: 29 Oct 2019 23:00

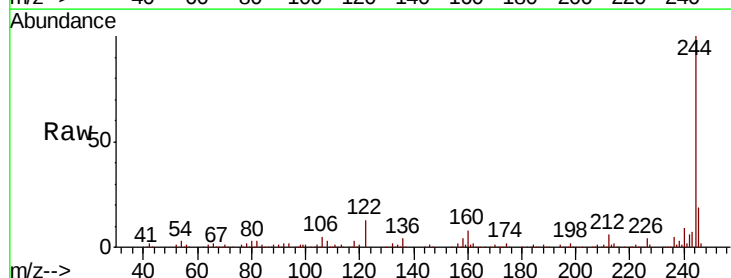
Tgt Ion:244 Resp: 211901

Ion Ratio Lower Upper

244 100

212 6.3 5.8 8.6

122 13.3 11.8 17.8

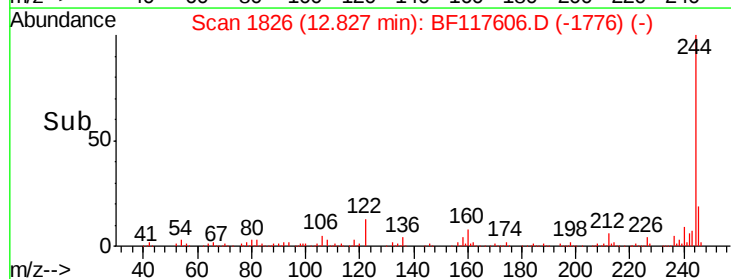
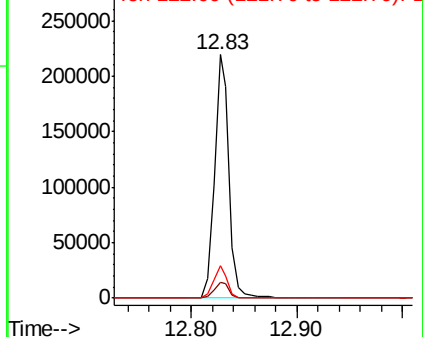


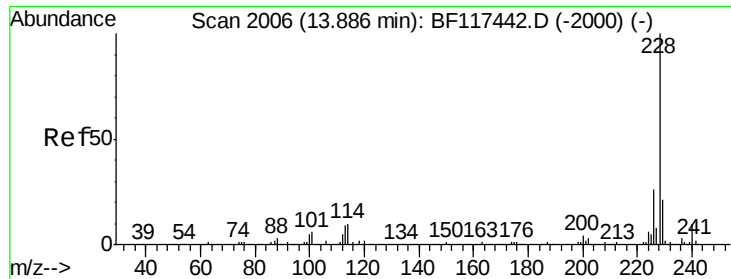
Abundance

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

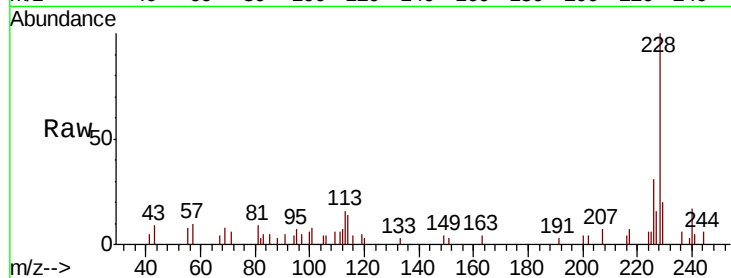




#81
Benzo(a)anthracene
Concen: 2.855 ng
RT: 13.92 min Scan# 2012
Delta R.T. 0.04 min
Lab File: BF117606.D
Acq: 29 Oct 2019 23:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.1	21.0	31.4
229	20.4	16.4	24.6

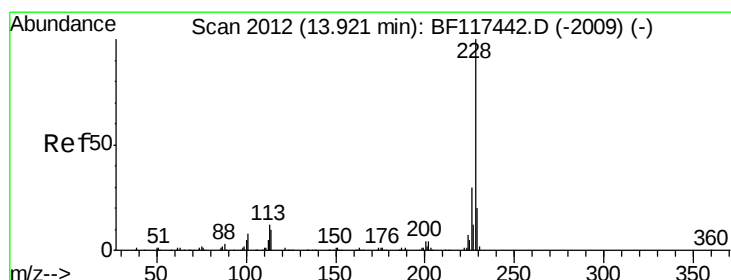
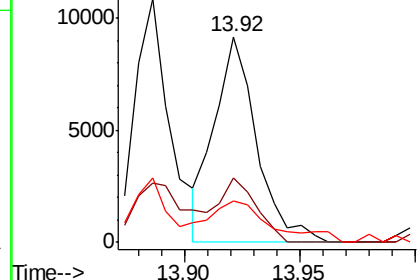
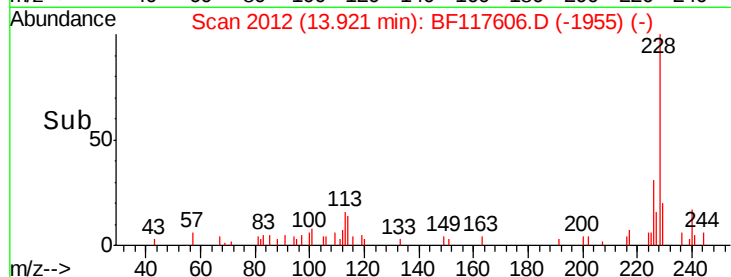


Abundance

Ion 228.00 (227.70 to 228.70): E

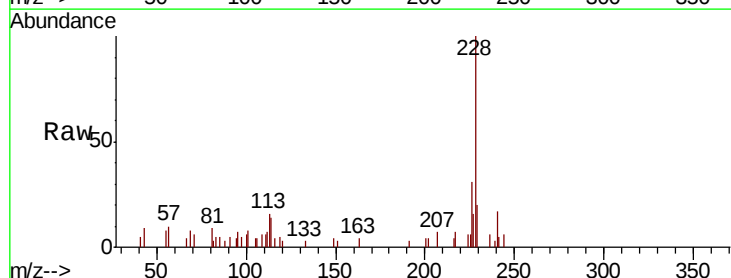
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83
Chrysene
Concen: 2.913 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BF117606.D
Acq: 29 Oct 2019 23:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	23.9	35.9
229	20.4	15.8	23.6

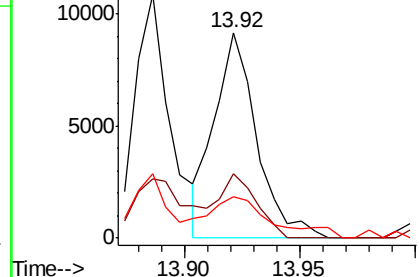
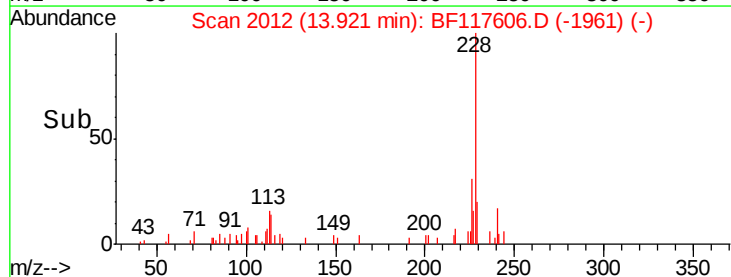


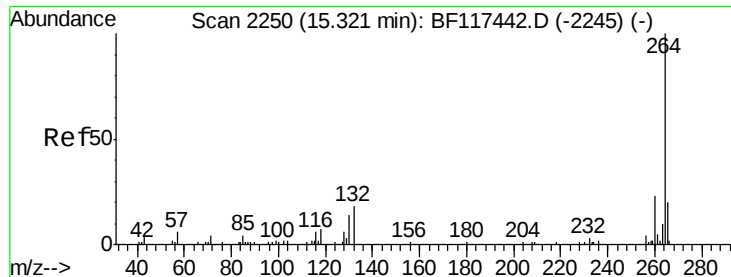
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

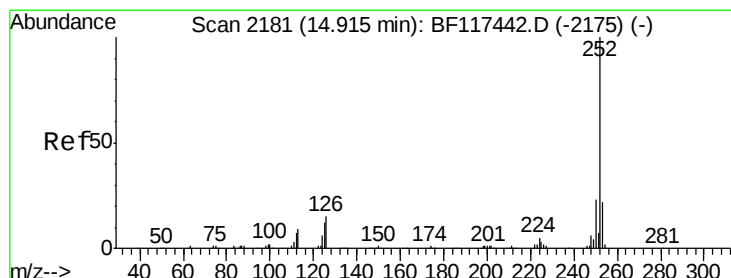
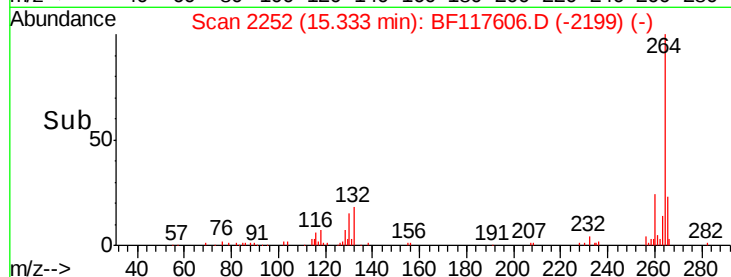
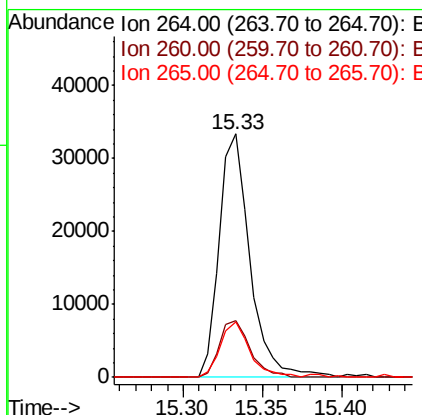
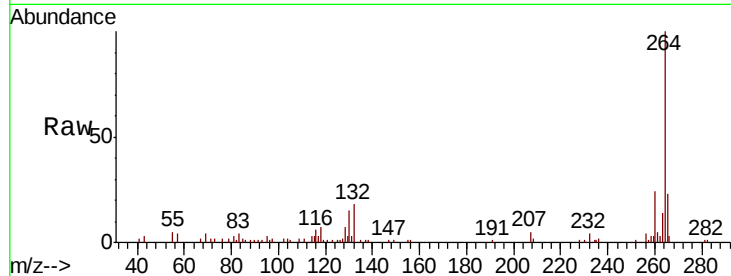




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF117606.D
Acq: 29 Oct 2019 23:00

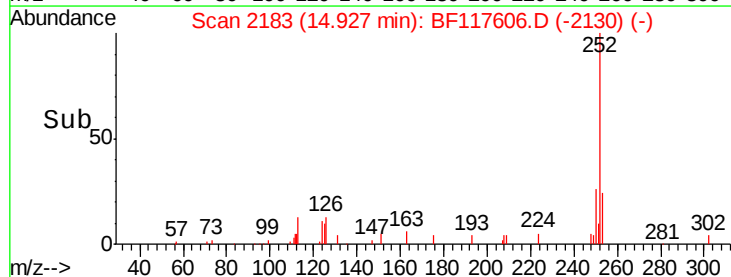
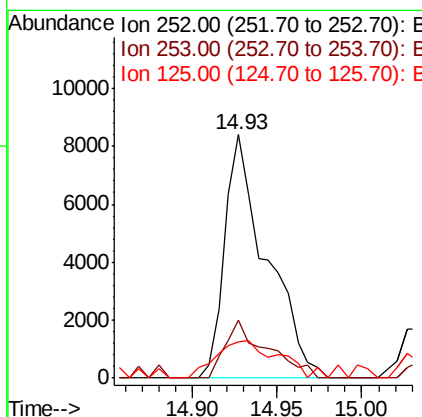
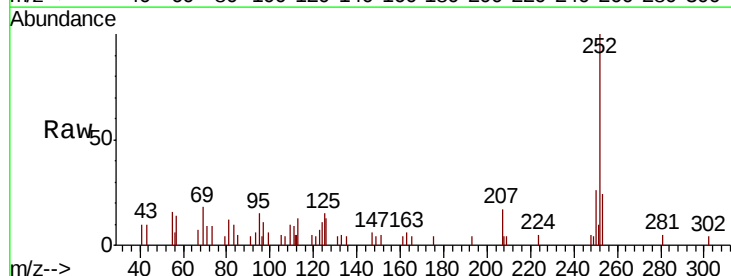
Instrument :
BNA_F
ClientSampleId :

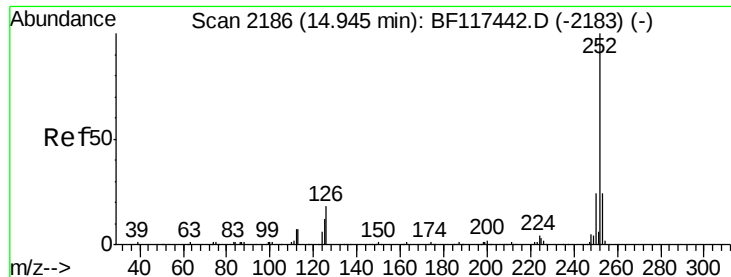
Tot Ion:264 Resp: 45010
Ion Ratio Lower Upper
264 100
260 23.5 18.4 27.6
265 22.6 16.1 24.1



#88
Benzo(b)fluoranthene
Concen: 5.421 ng
RT: 14.93 min Scan# 2183
Delta R.T. 0.01 min
Lab File: BF117606.D
Acq: 29 Oct 2019 23:00

Tgt Ion:252 Resp: 14409
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.6
125 15.0 9.9 14.9#

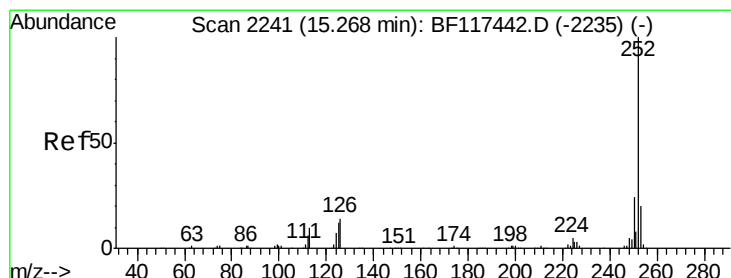
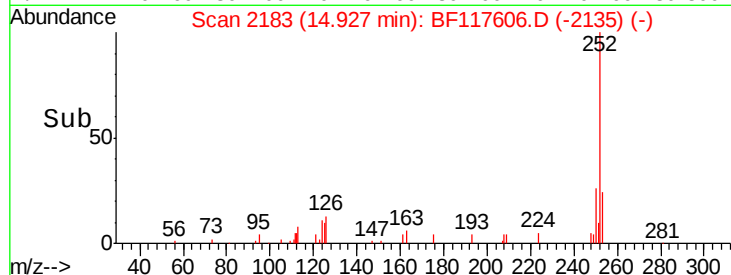
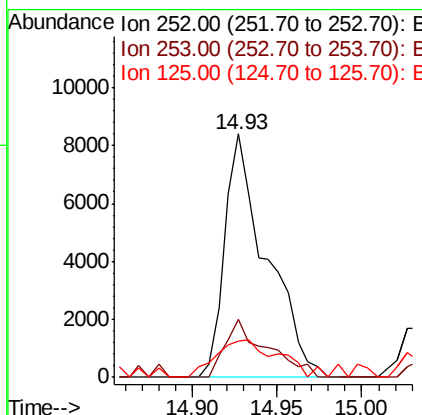
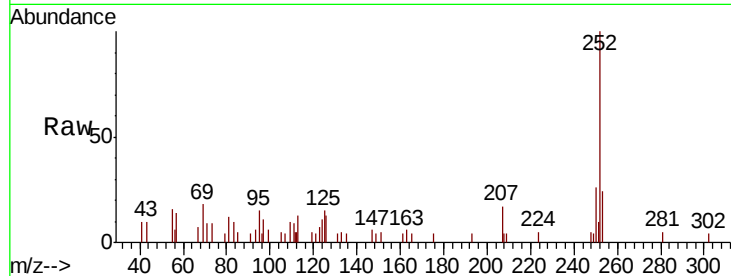




#89
Benzo(k)fluoranthene
Concen: 5.289 ng
RT: 14.93 min Scan# 2183
Delta R.T. -0.02 min
Lab File: BF117606.D
Acq: 29 Oct 2019 23:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 14409
Ion Ratio Lower Upper
252 100
253 23.9 18.0 27.0
125 15.0 8.9 13.3#



#90
Benzo(a)pyrene
Concen: 2.595 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF117606.D
Acq: 29 Oct 2019 23:00

Tgt Ion:252 Resp: 6272
Ion Ratio Lower Upper
252 100
253 27.6 16.3 24.5#
125 20.8 9.2 13.8#

