

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103119\
 Data File : BF117673.D
 Acq On : 31 Oct 2019 22:01
 Operator : JU
 Sample : K5541-15 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 01 01:24:18 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	32877	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	132860	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	58854	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	84315	20.00	ng	0.00
76) Chrysene-d12	13.90	240	60306	20.00	ng	0.00
87) Perylene-d12	15.34	264	50062	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	90060	40.75	ng	0.01
7) Phenol-d6	6.39	99	128594	43.32	ng	0.01
23) Nitrobenzene-d5	7.30	82	71094	26.42	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	16878	33.14	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	124562	29.82	ng	-0.01
79) Terphenyl-d14	12.83	244	88609	23.97	ng	0.00

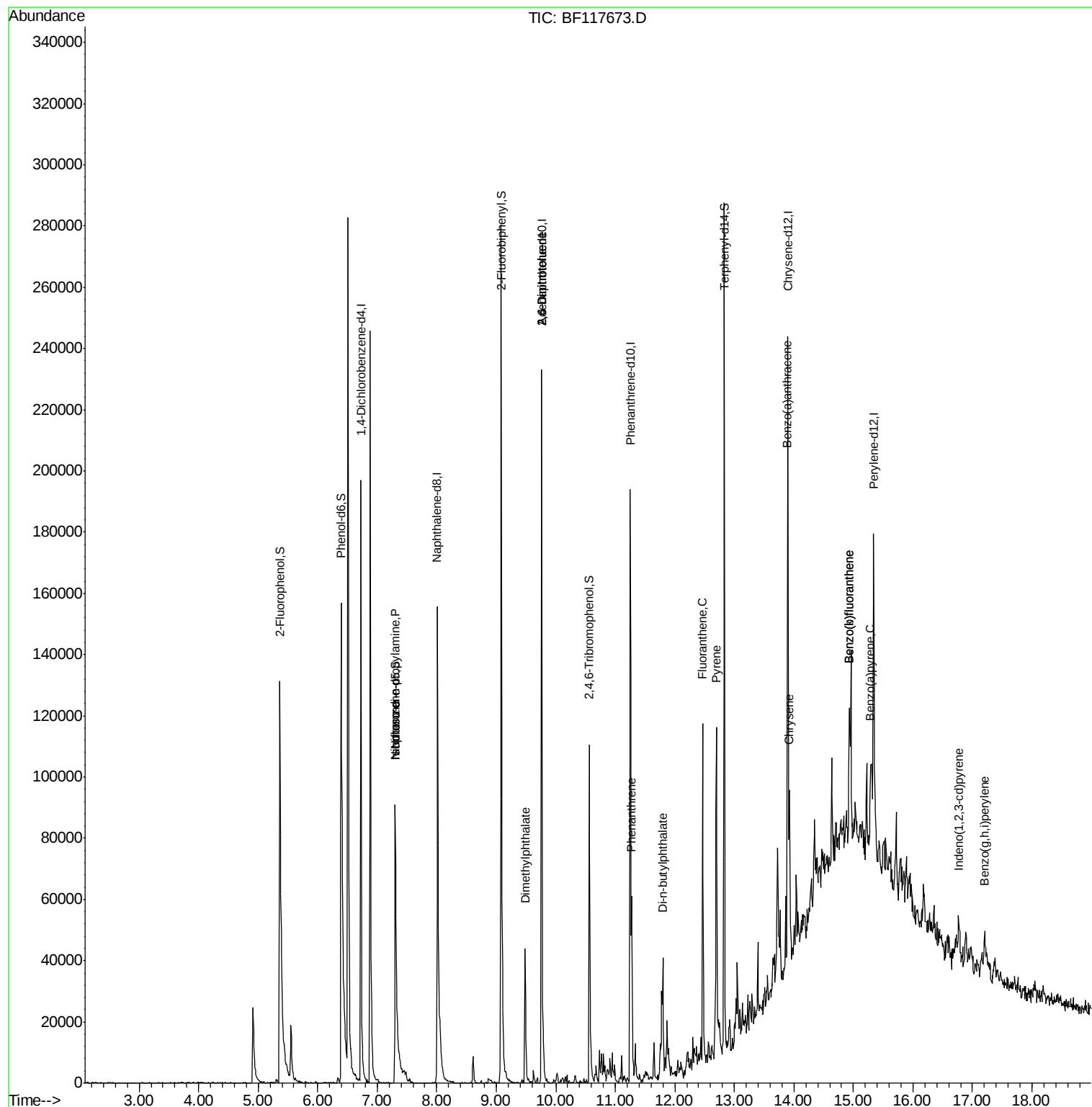
Target Compounds				Qvalue		
9) Benzaldehyde	6.34	77	873	Below Cal		89
19) n-Nitroso-di-n-propylamine	7.30	70	9917	5.471 ng	#	74
25) Isophorone	7.30	82	71094	15.271 ng	#	65
50) Dimethylphthalate	9.49	163	26506	6.317 ng		100
51) 2,6-Dinitrotoluene	9.76	165	7453	8.513 ng	#	22
57) 2,4-Dinitrotoluene	9.76	165	7453	6.403 ng	#	12
71) Phenanthrene	11.27	178	25181	5.143 ng		100
74) Di-n-butylphthalate	11.80	149	17050	2.780 ng		97
75) Fluoranthene	12.47	202	48201	9.835 ng		99
77) Benzidine	12.83	184	1273	Below Cal	#	73
78) Pyrene	12.70	202	46371	8.952 ng		99
81) Benzo(a)anthracene	13.89	228	21593	5.308 ng	#	95
83) Chrysene	13.93	228	23301	5.845 ng	#	95
86) Indeno(1,2,3-cd)pyrene	16.77	276	9228	3.100 ng		92
88) Benzo(b)fluoranthene	14.93	252	30614	10.356 ng	#	94
89) Benzo(k)fluoranthene	14.93	252	30614	10.104 ng	#	93
90) Benzo(a)pyrene	15.29	252	15194	5.653 ng	#	82
92) Benzo(g,h,i)perylene	17.20	276	9591	4.362 ng	#	84

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

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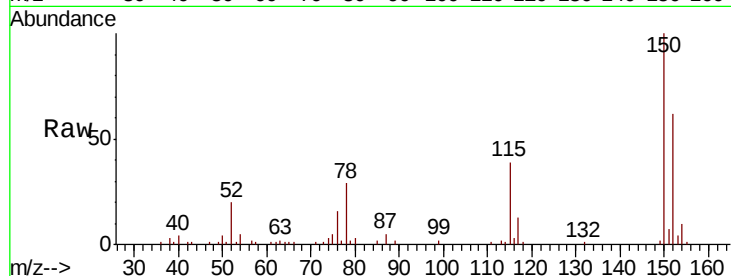


#1

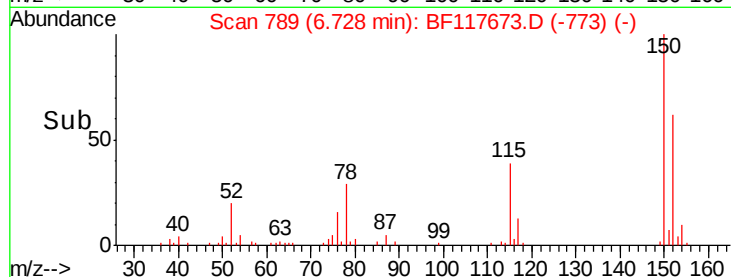
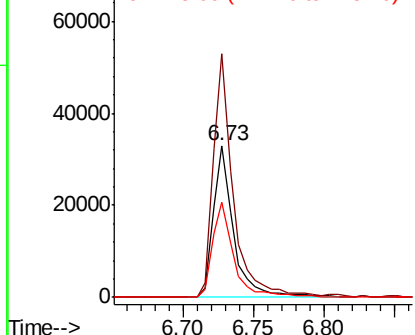
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117673.D
Acq: 31 Oct 2019 22:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 32877
Ion Ratio Lower Upper
152 100
150 160.5 126.8 190.2
115 62.7 51.6 77.4



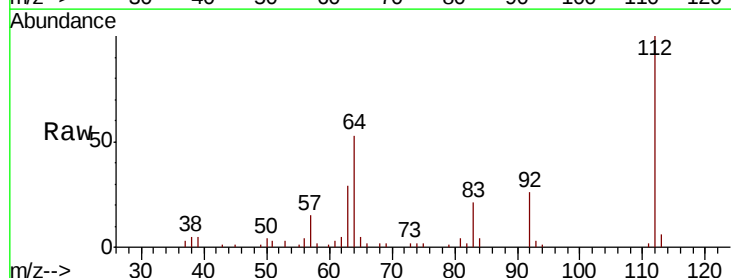
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



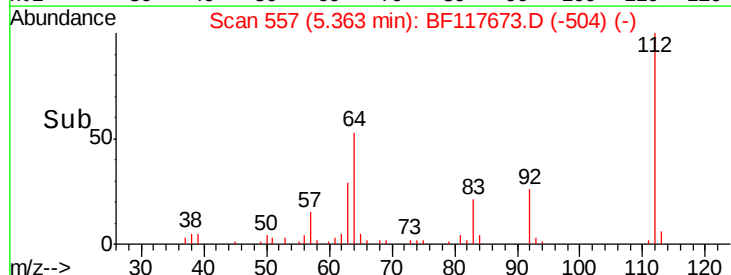
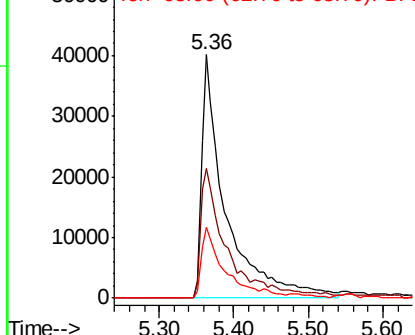
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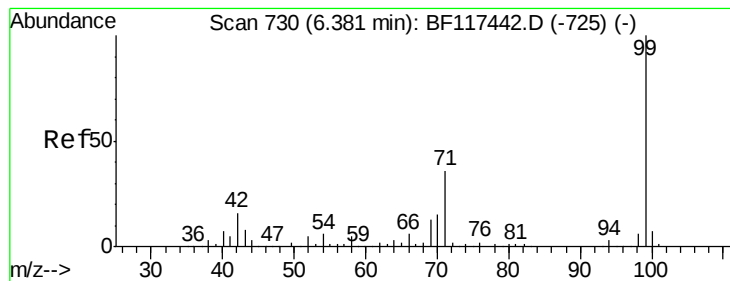
2-Fluorophenol
Concen: 40.753 ng
RT: 5.36 min Scan# 557
Delta R.T. 0.01 min
Lab File: BF117673.D
Acq: 31 Oct 2019 22:01

Tgt Ion:112 Resp: 90060
Ion Ratio Lower Upper
112 100
64 53.5 44.1 66.1
63 28.9 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: 43.324 ng

RT: 6.39 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF117673.D

Acq: 31 Oct 2019 22:01

Instrument :

BNA_F

ClientSampleId :

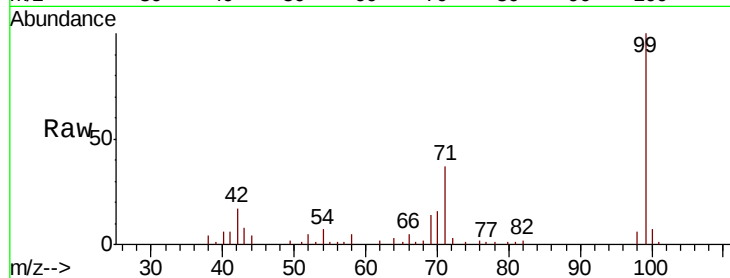
Tot Ion: 99 Resp: 128594

Ion Ratio Lower Upper

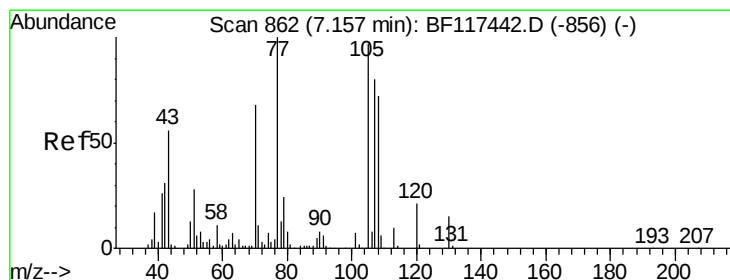
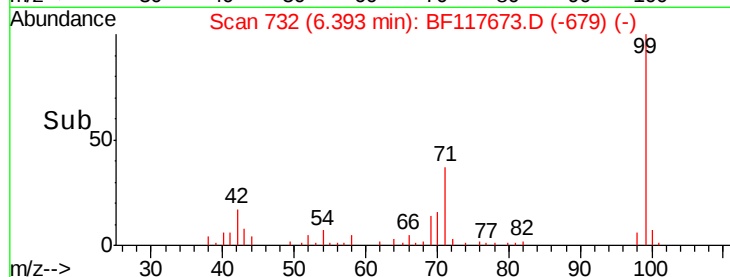
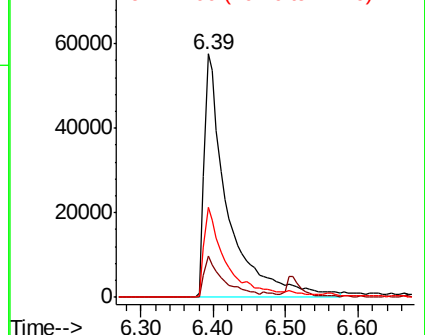
99 100

42 16.9 12.8 19.2

71 36.8 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



#19

n-Nitroso-di-n-propylamine

Concen: 5.471 ng

RT: 7.30 min Scan# 887

Delta R.T. 0.15 min

Lab File: BF117673.D

Acq: 31 Oct 2019 22:01

Tgt Ion: 70 Resp: 9917

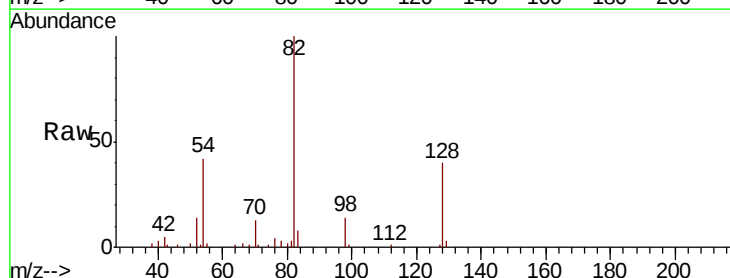
Ion Ratio Lower Upper

70 100

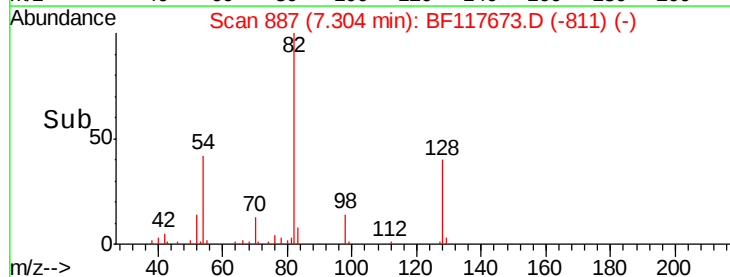
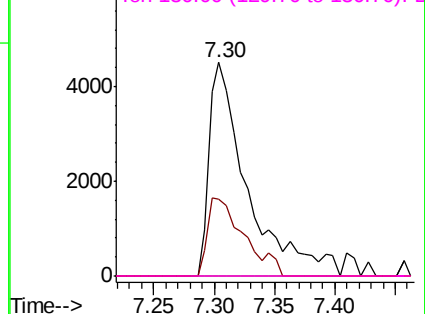
42 36.2 36.7 55.1#

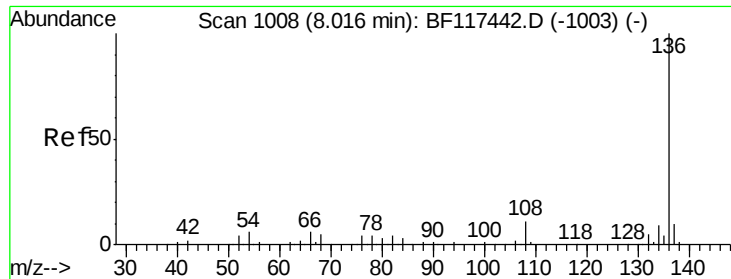
101 0.0 8.3 12.5#

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

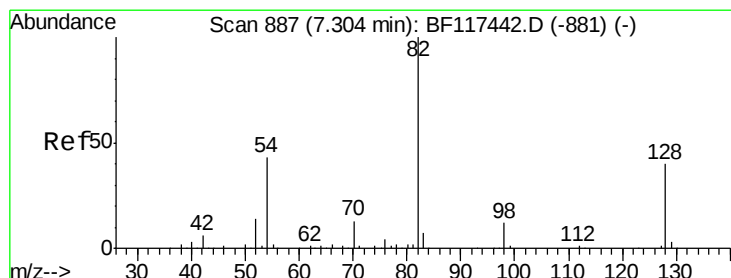
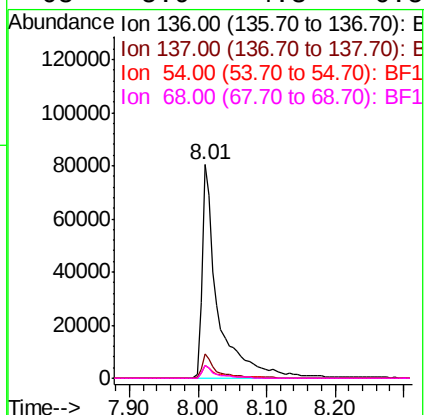
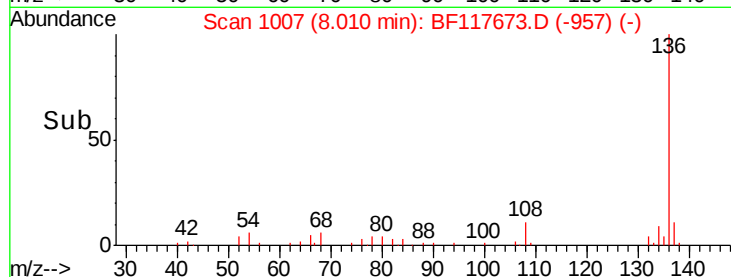
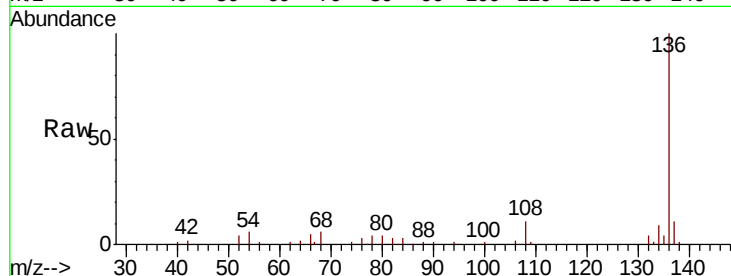




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117673.D
Acq: 31 Oct 2019 22:01

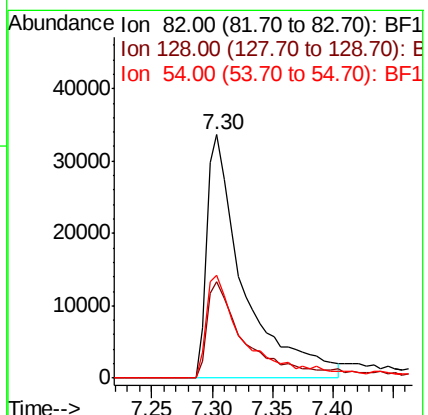
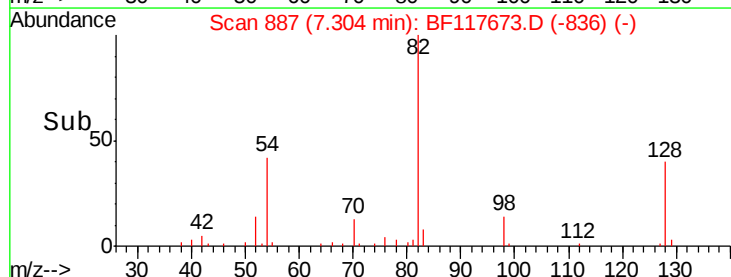
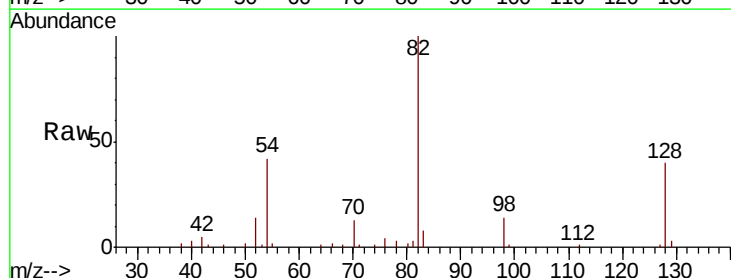
Instrument :
BNA_F
ClientSampleId :

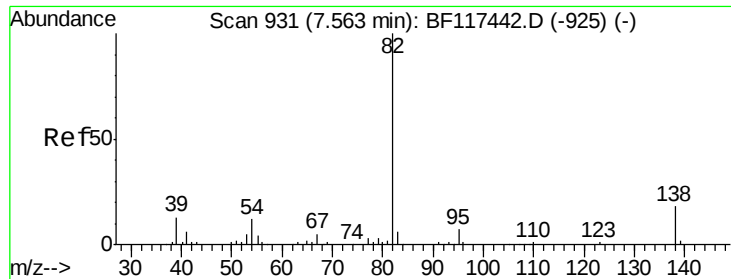
Tot Ion:136	Resp:	132860
Ion Ratio	Lower	Upper
136	100	
137	11.3	8.2 12.4
54	6.1	4.5 6.7
68	5.9	4.3 6.5



#23
Nitrobenzene-d5
Concen: 26.417 ng
RT: 7.30 min Scan# 887
Delta R.T. 0.00 min
Lab File: BF117673.D
Acq: 31 Oct 2019 22:01

Tgt Ion: 82	Resp:	71094
Ion Ratio	Lower	Upper
82	100	
128	39.5	32.2 48.2
54	42.1	34.2 51.2

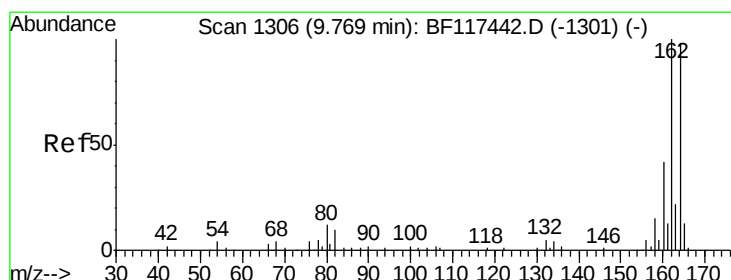
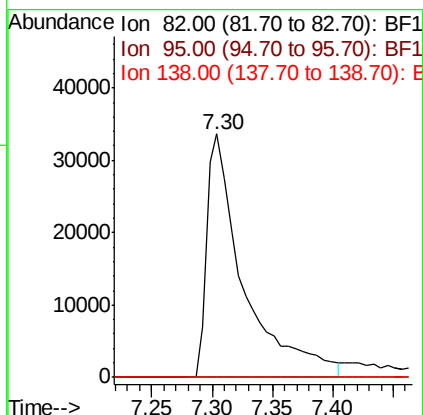
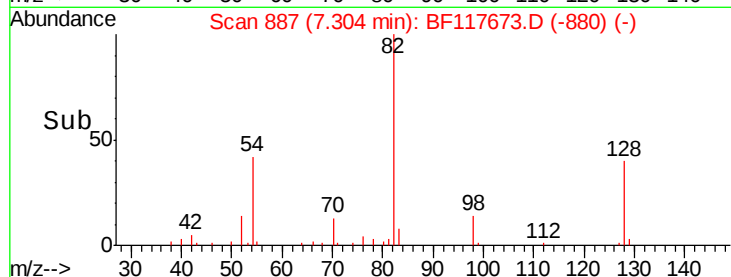
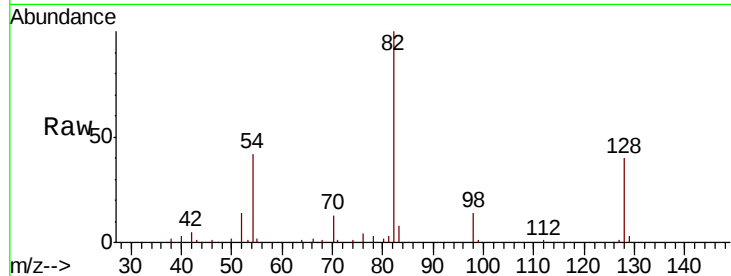




#25
Isophorone
Concen: 15.271 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.26 min
Lab File: BF117673.D
Acq: 31 Oct 2019 22:01

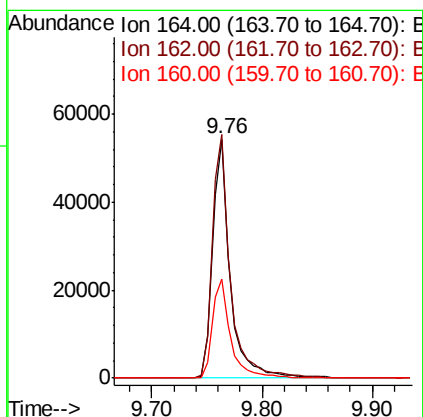
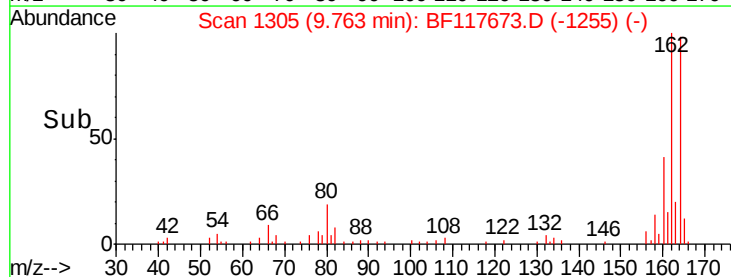
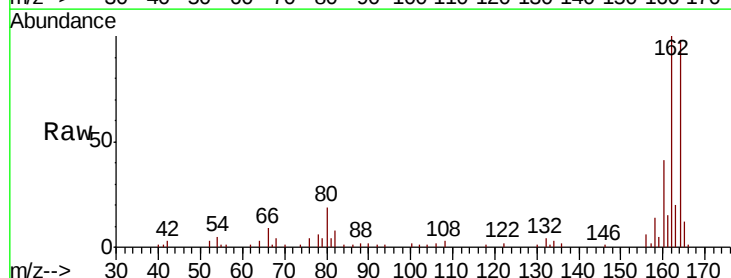
Instrument :
BNA_F
ClientSampleId :

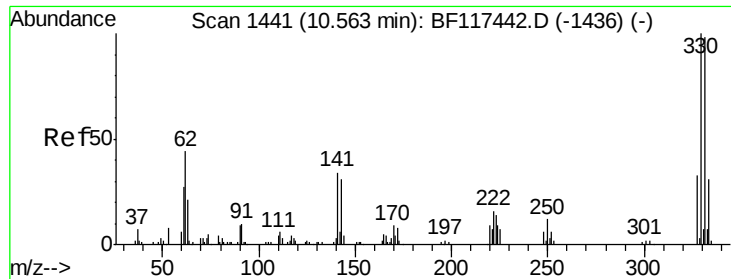
Tot Ion: 82 Resp: 71094
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117673.D
Acq: 31 Oct 2019 22:01

Tgt Ion:164 Resp: 58854
Ion Ratio Lower Upper
164 100
162 102.0 81.8 122.6
160 41.5 34.4 51.6

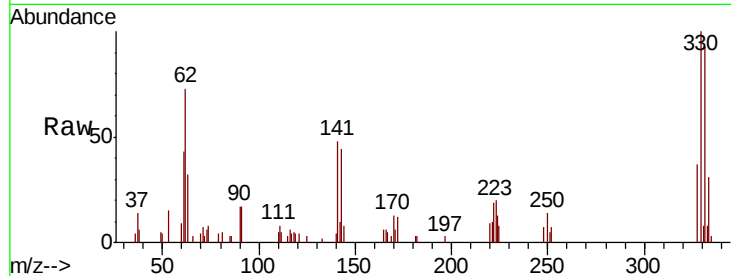




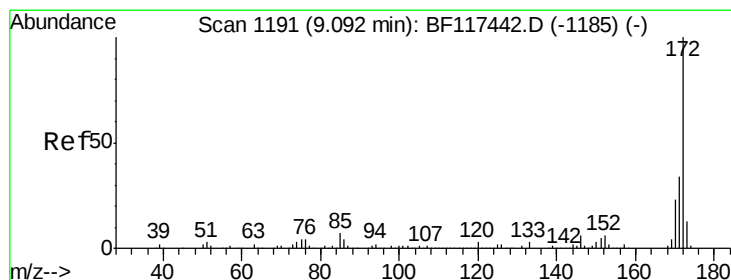
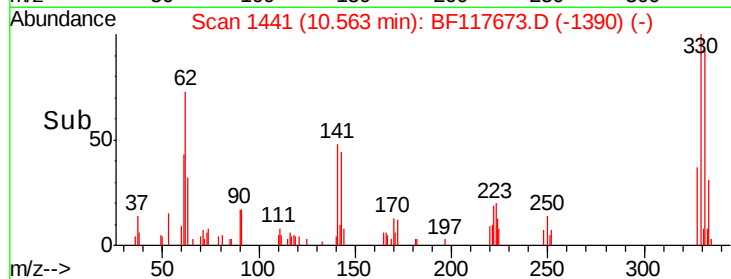
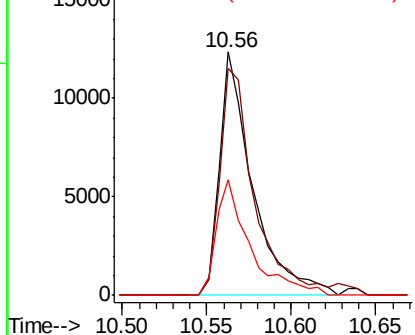
#42
 2,4,6-Tribromophenol
 Concen: 33.144 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: BF117673.D
 Acq: 31 Oct 2019 22:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 16878
 Ion Ratio Lower Upper
 330 100
 332 100.8 78.5 117.7
 141 48.6 37.0 55.6

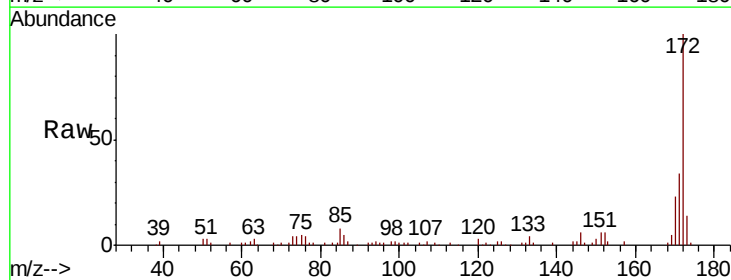


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

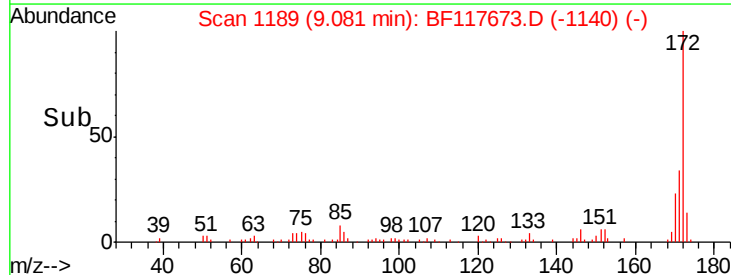
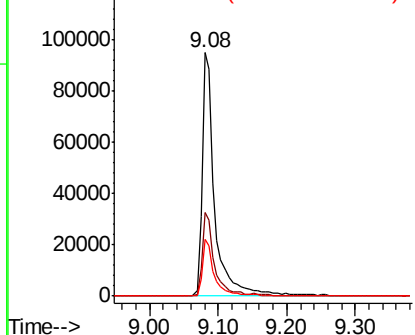


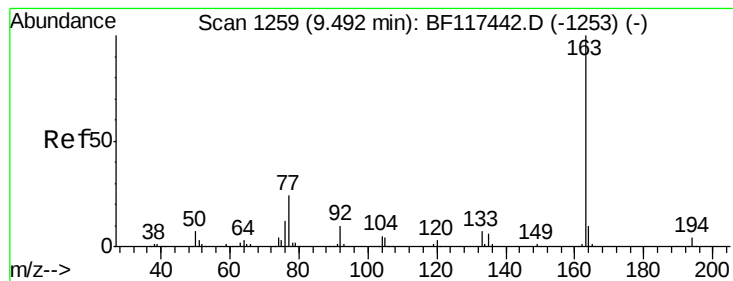
#45
 2-Fluorobiphenyl
 Concen: 29.821 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF117673.D
 Acq: 31 Oct 2019 22:01

Tgt Ion:172 Resp: 124562
 Ion Ratio Lower Upper
 172 100
 171 34.2 27.5 41.3
 170 23.1 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: 6.317 ng

RT: 9.49 min Scan# 1258

Delta R.T. -0.01 min

Lab File: BF117673.D

Acq: 31 Oct 2019 22:01

Instrument :

BNA_F

ClientSampled :

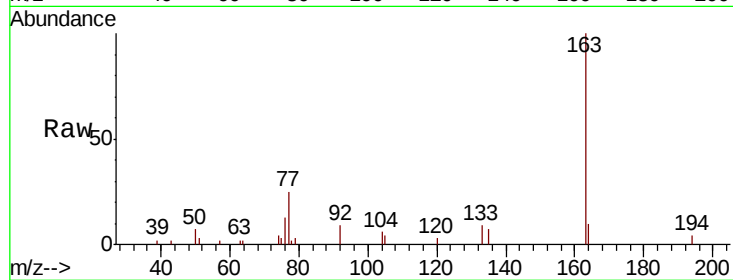
Tot Ion:163 Resp: 26506

Ion Ratio Lower Upper

163 100

194 3.5 2.9 4.3

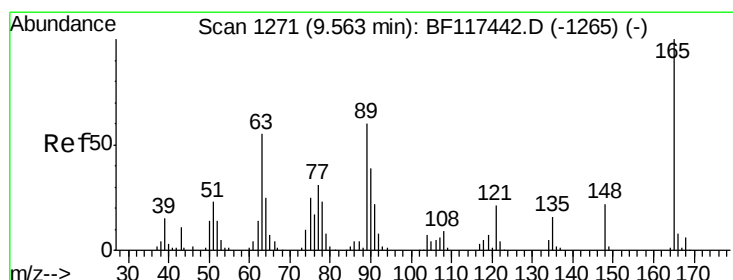
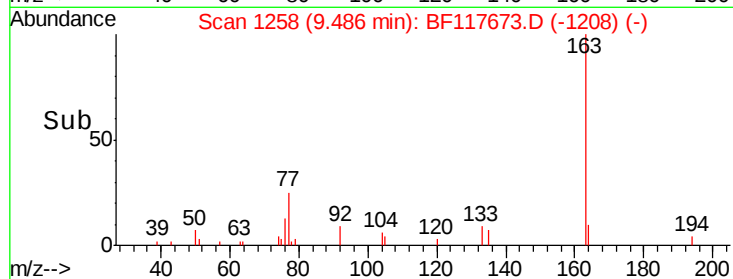
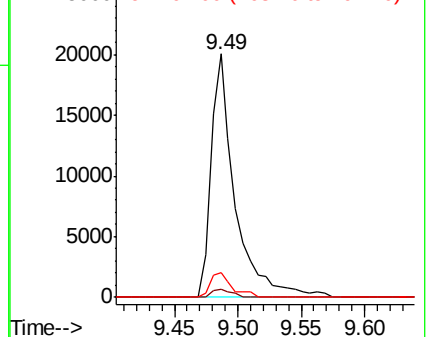
164 10.3 8.2 12.2



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: 8.513 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.20 min

Lab File: BF117673.D

Acq: 31 Oct 2019 22:01

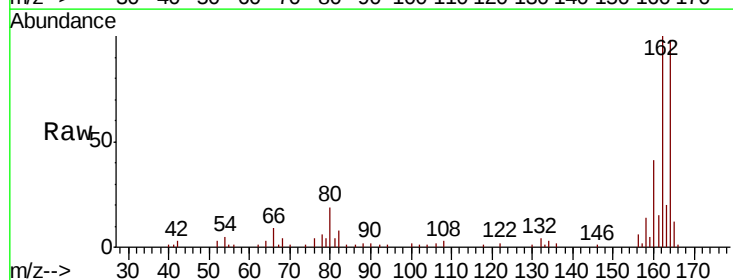
Tgt Ion:165 Resp: 7453

Ion Ratio Lower Upper

165 100

63 0.0 43.8 65.8#

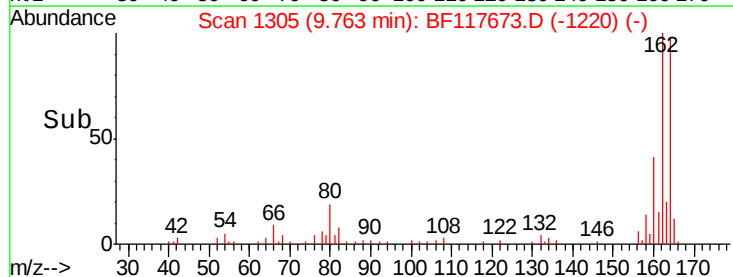
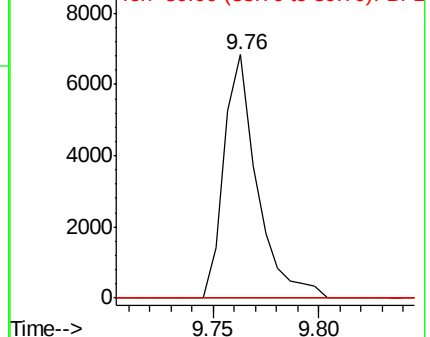
89 0.0 47.6 71.4#

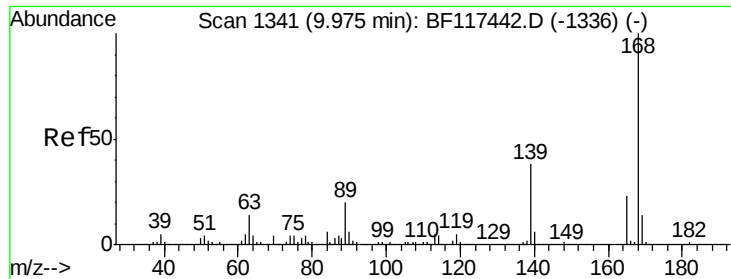


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

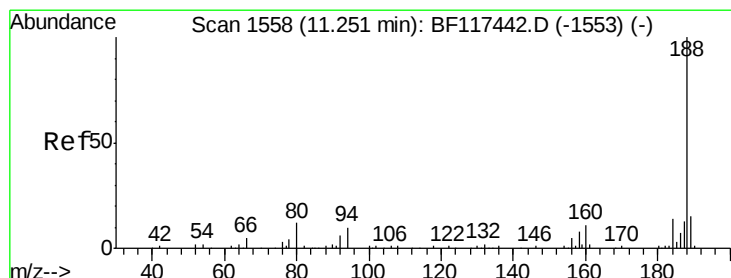
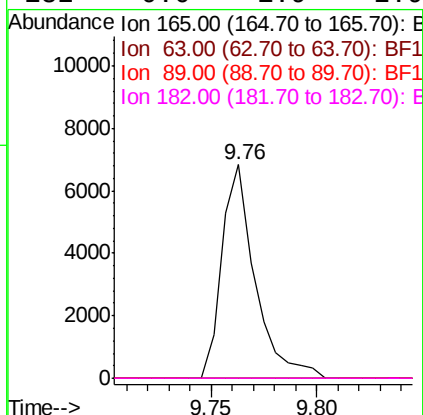
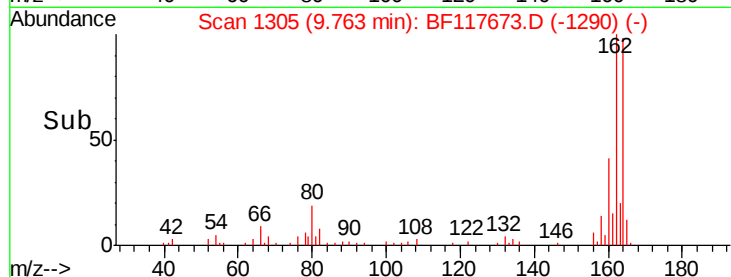
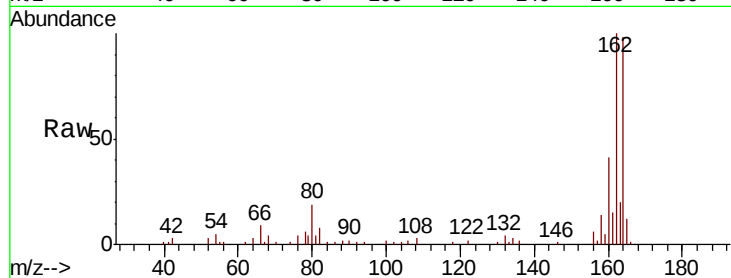




#57
 2,4-Dinitrotoluene
 Concen: 6.403 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.21 min
 Lab File: BF117673.D
 Acq: 31 Oct 2019 22:01

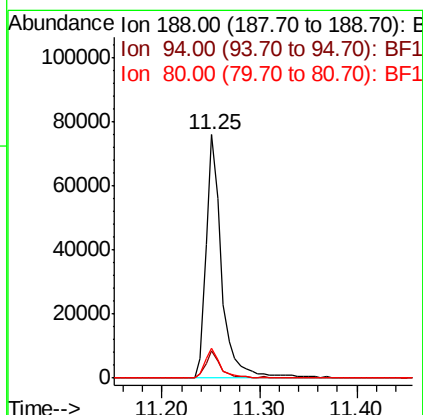
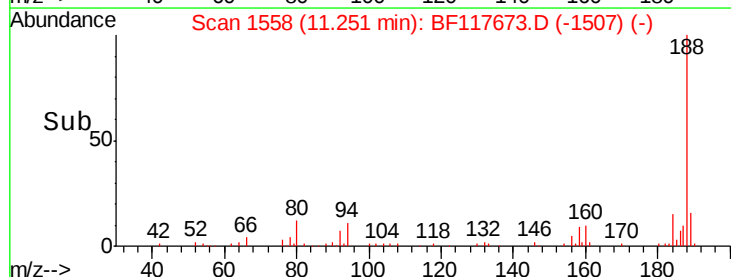
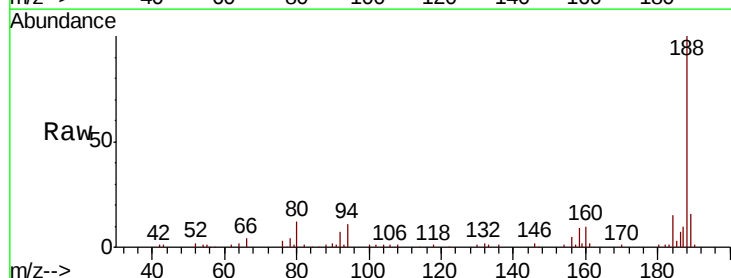
Instrument :
 BNA_F
 ClientSampled :

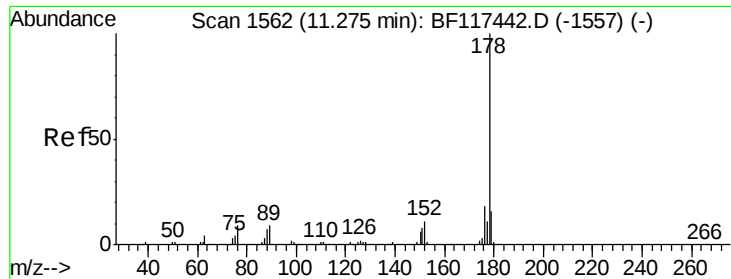
Tot Ion:165 Resp: 7453
 Ion Ratio Lower Upper
 165 100
 63 0.0 51.4 77.0#
 89 0.0 69.9 104.9#
 182 0.0 1.9 2.9#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. 0.00 min
 Lab File: BF117673.D
 Acq: 31 Oct 2019 22:01

Tgt Ion:188 Resp: 84315
 Ion Ratio Lower Upper
 188 100
 94 11.2 8.0 12.0
 80 12.2 9.5 14.3





#71

Phenanthrene

Concen: 5.143 ng

RT: 11.27 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BF117673.D

Acq: 31 Oct 2019 22:01

Instrument :

BNA_F

ClientSampleId :

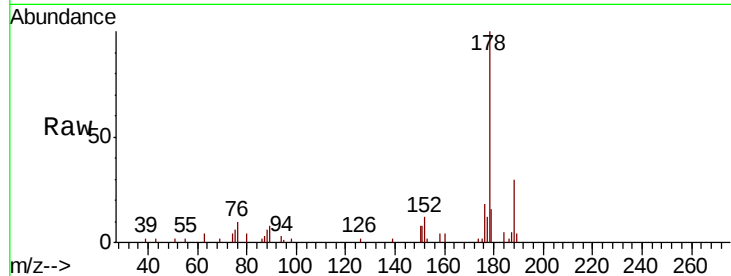
Tot Ion:178 Resp: 25181

Ion Ratio Lower Upper

178 100

176 18.1 14.6 22.0

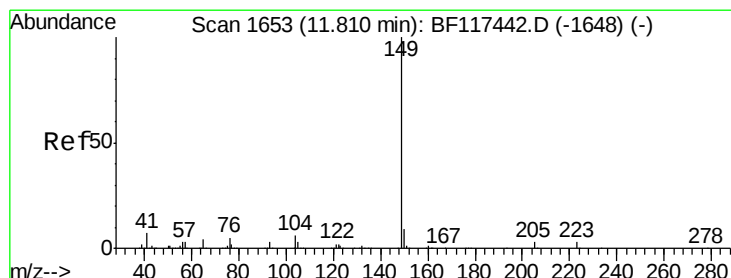
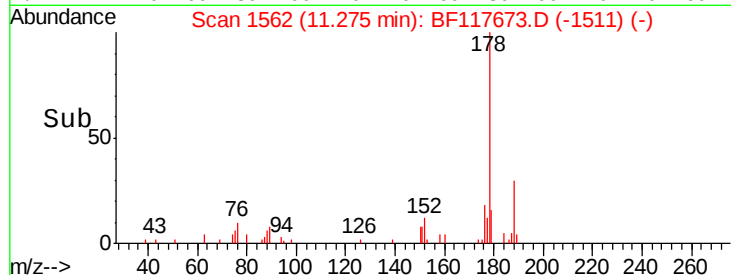
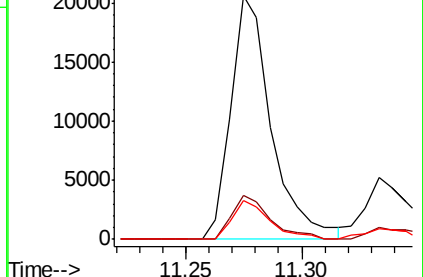
179 15.7 12.6 19.0



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



#74

Di-n-butylphthalate

Concen: 2.780 ng

RT: 11.80 min Scan# 1652

Delta R.T. -0.01 min

Lab File: BF117673.D

Acq: 31 Oct 2019 22:01

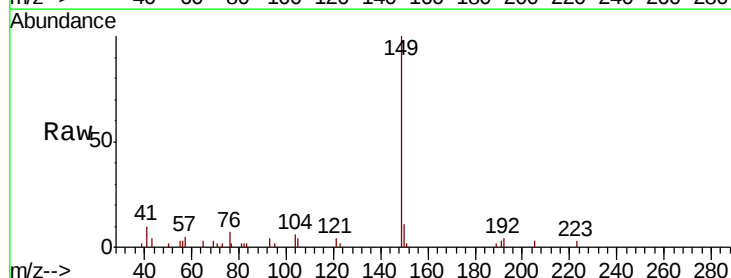
Tgt Ion:149 Resp: 17050

Ion Ratio Lower Upper

149 100

150 11.0 7.5 11.3

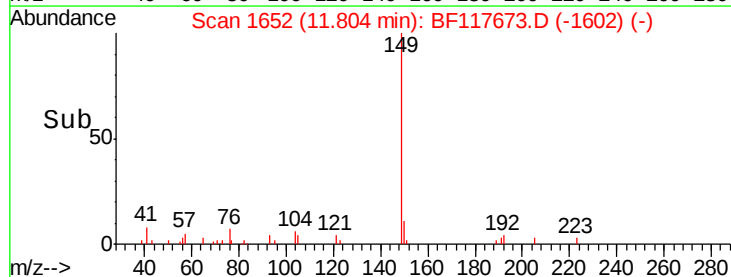
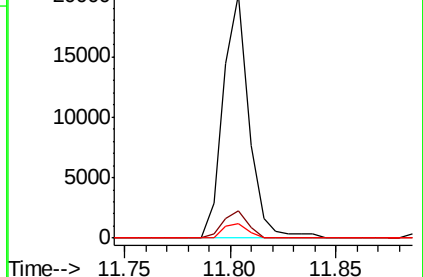
104 5.8 4.6 6.8

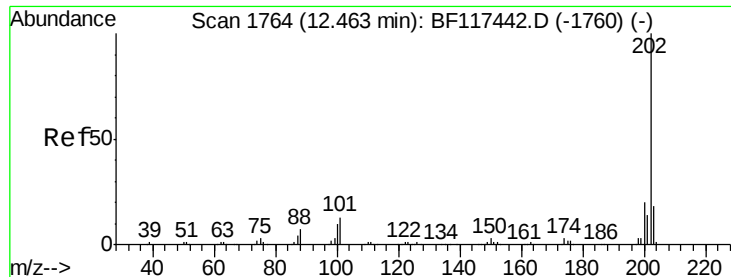


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 9.835 ng

RT: 12.47 min Scan# 1765

Delta R.T. 0.01 min

Lab File: BF117673.D

Acq: 31 Oct 2019 22:01

Instrument :

BNA_F

ClientSampleId :

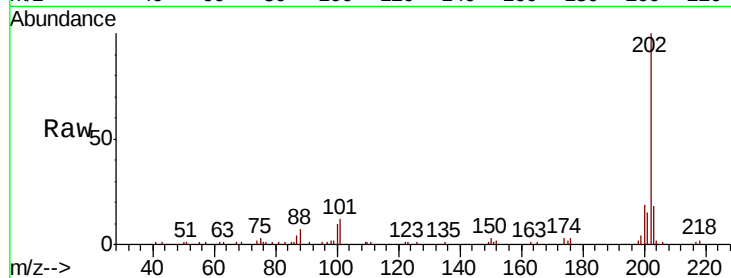
Tot Ion:202 Resp: 48201

Ion Ratio Lower Upper

202 100

101 11.8 0.0 32.7

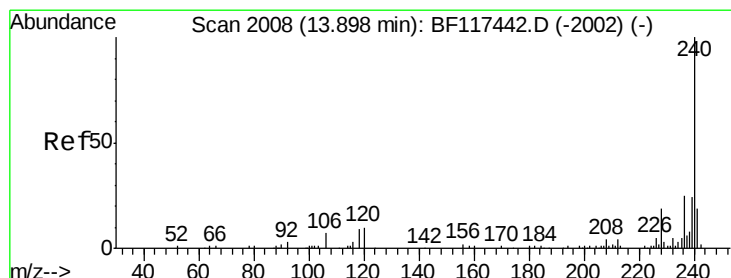
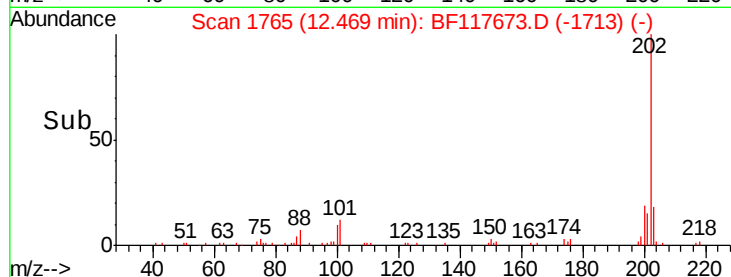
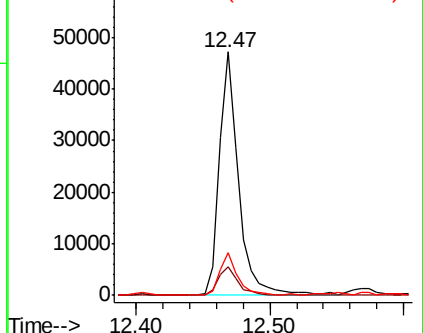
203 17.6 0.0 37.6



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: BF117673.D

Acq: 31 Oct 2019 22:01

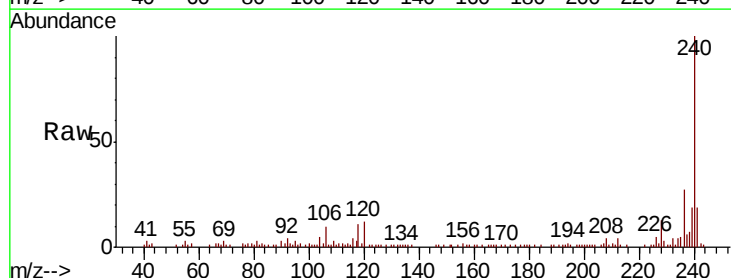
Tgt Ion:240 Resp: 60306

Ion Ratio Lower Upper

240 100

120 12.4 8.4 12.6

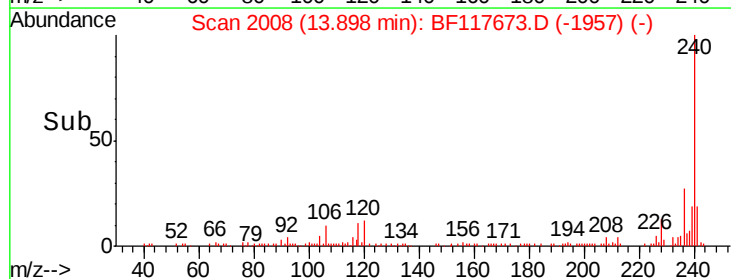
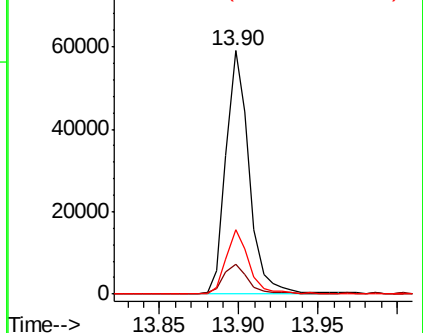
236 26.5 20.0 30.0

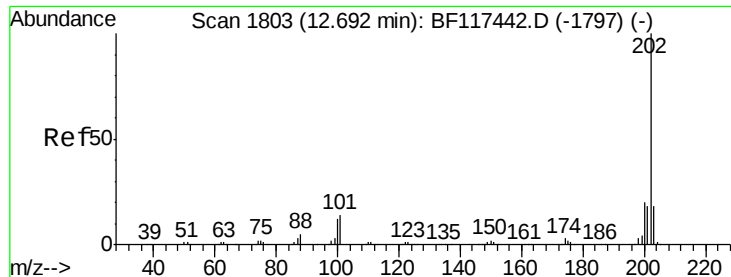


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 8.952 ng

RT: 12.70 min Scan# 1804

Delta R.T. 0.01 min

Lab File: BF117673.D

Acq: 31 Oct 2019 22:01

Instrument :

BNA_F

ClientSampleId :

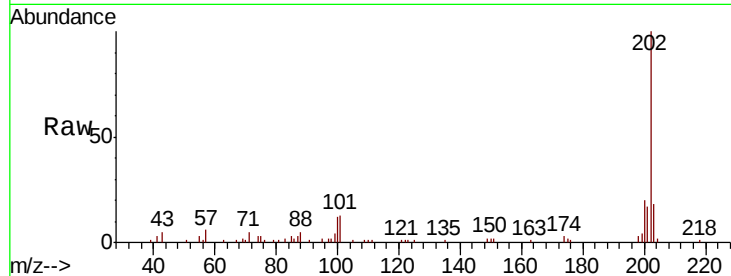
Tot Ion:202 Resp: 46371

Ion Ratio Lower Upper

202 100

200 19.7 16.2 24.2

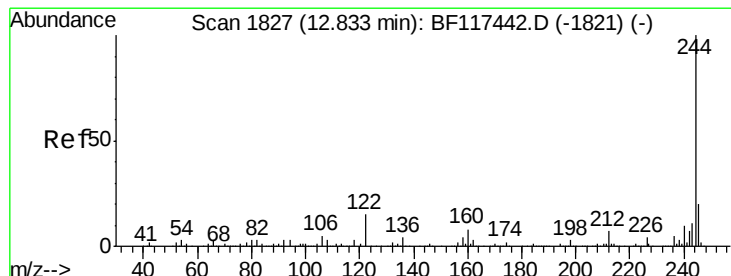
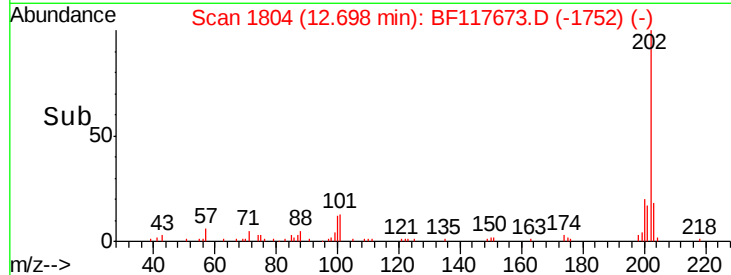
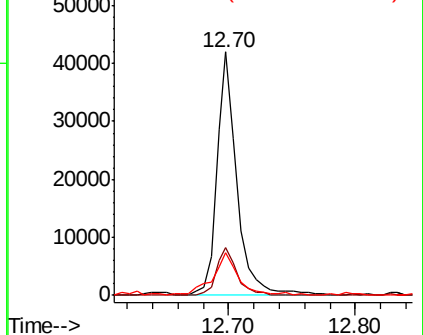
203 17.6 14.0 21.0



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: 23.966 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF117673.D

Acq: 31 Oct 2019 22:01

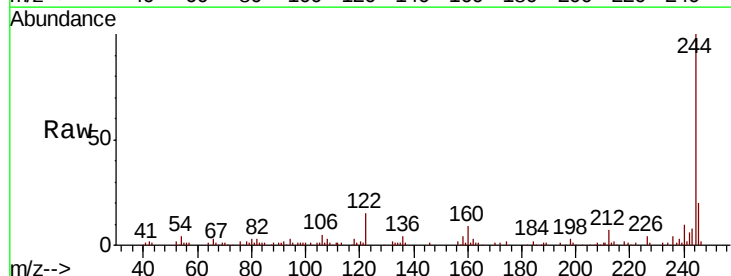
Tgt Ion:244 Resp: 88609

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

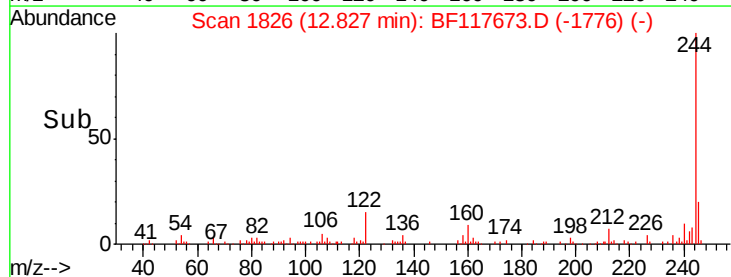
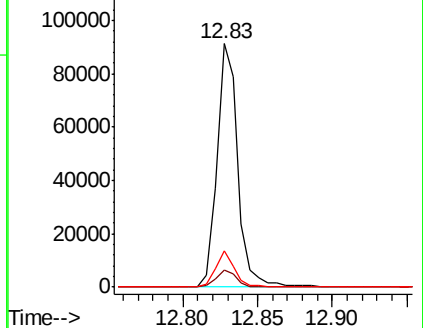
122 14.7 11.8 17.8

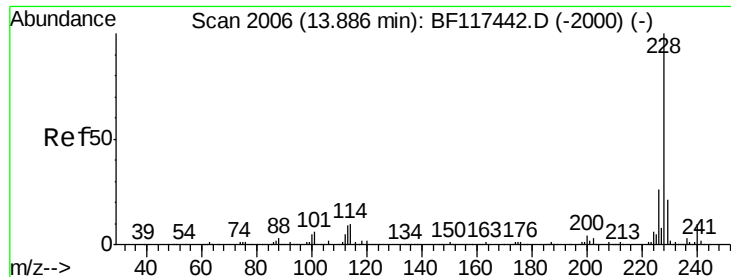


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

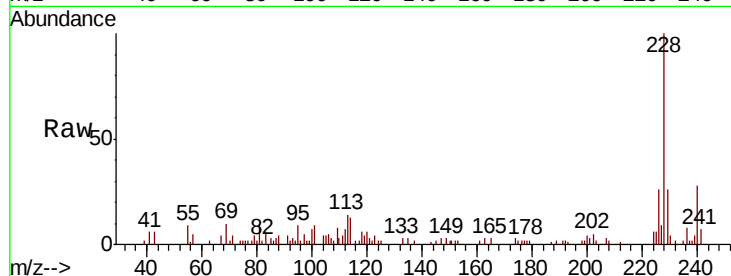




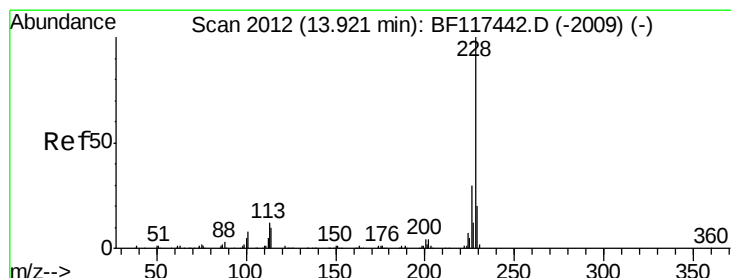
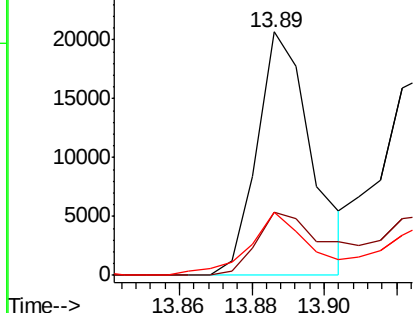
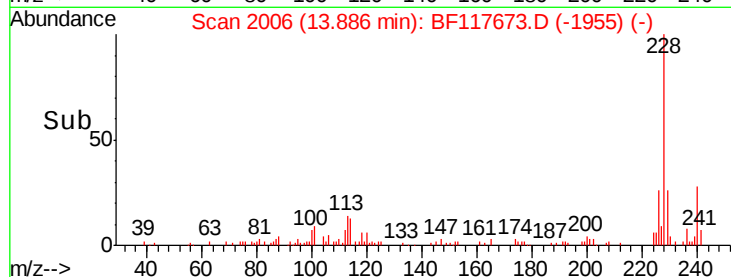
#81
Benzo(a)anthracene
Concen: 5.308 ng
RT: 13.89 min Scan# 2006
Delta R.T. 0.00 min
Lab File: BF117673.D
Acq: 31 Oct 2019 22:01

Instrument :
BNA_F
ClientSampled :

Tot Ion:228 Resp: 21593
Ion Ratio Lower Upper
228 100
226 25.9 21.0 31.4
229 25.9 16.4 24.6#

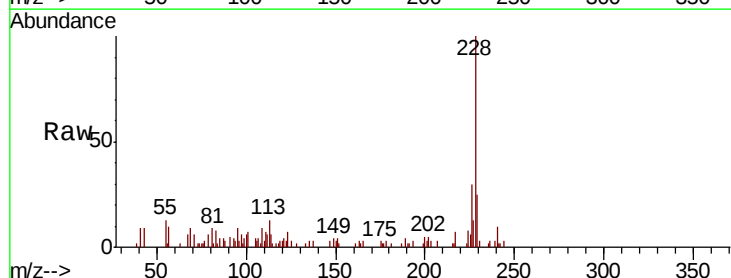


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

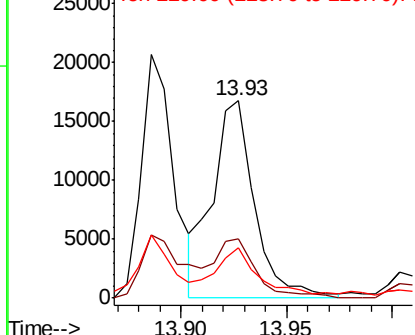
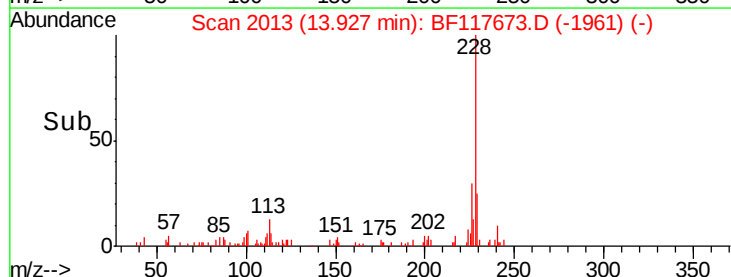


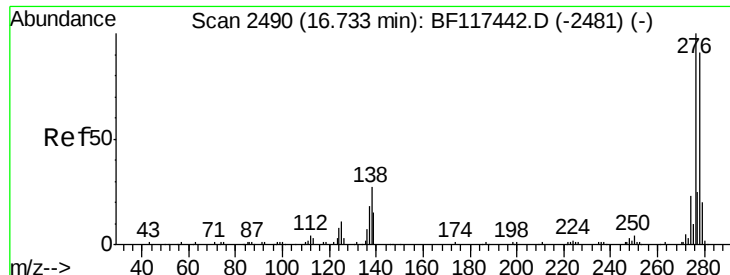
#83
Chrysene
Concen: 5.845 ng
RT: 13.93 min Scan# 2013
Delta R.T. 0.01 min
Lab File: BF117673.D
Acq: 31 Oct 2019 22:01

Tgt Ion:228 Resp: 23301
Ion Ratio Lower Upper
228 100
226 30.0 23.9 35.9
229 25.3 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

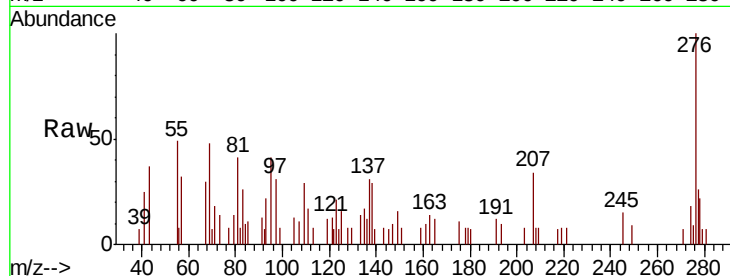




#86
Indeno(1,2,3-cd)pyrene
Concen: 3.100 ng
RT: 16.77 min Scan# 2497
Delta R.T. 0.04 min
Lab File: BF117673.D
Acq: 31 Oct 2019 22:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	31.2	21.8	32.8
277	29.4	20.0	30.0

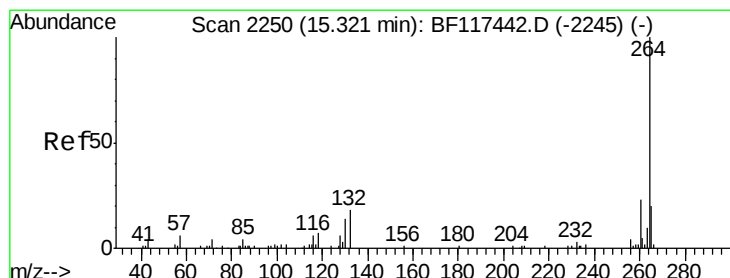
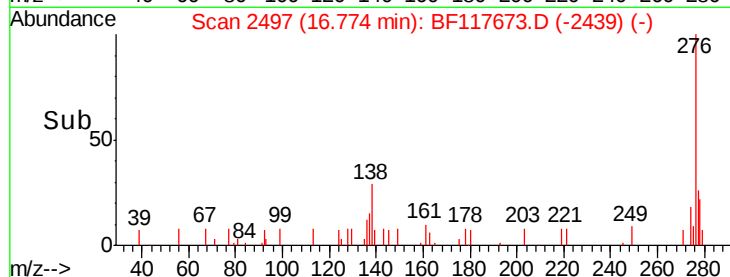
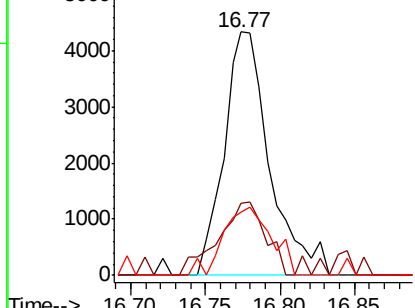


Abundance

Ion 276.00 (275.70 to 276.70): E

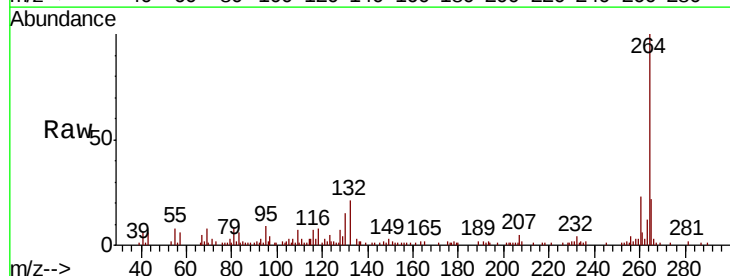
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.34 min Scan# 2253
Delta R.T. 0.02 min
Lab File: BF117673.D
Acq: 31 Oct 2019 22:01

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.4	27.6
265	22.1	16.1	24.1

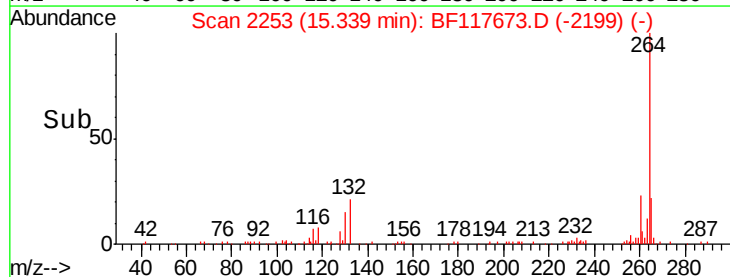
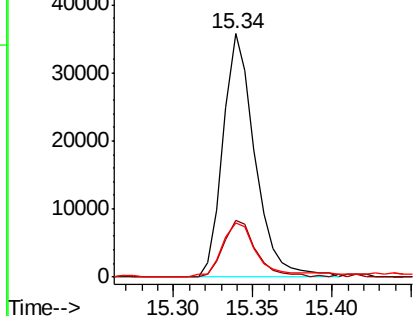


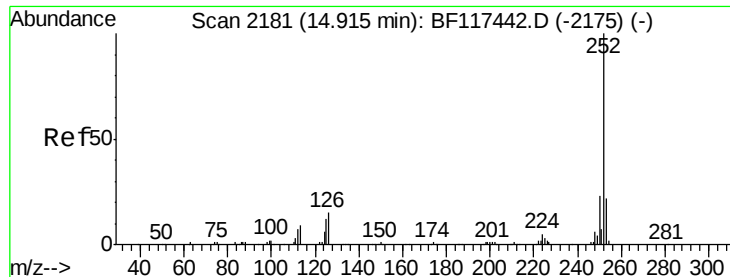
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

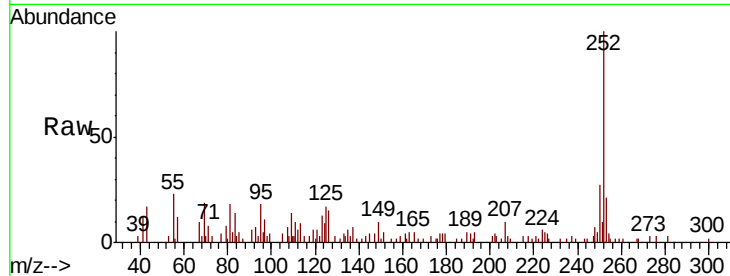




#88
Benzo(b)fluoranthene
Concen: 10.356 ng
RT: 14.93 min Scan# 2184
Delta R.T. 0.02 min
Lab File: BF117673.D
Acq: 31 Oct 2019 22:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.8	26.6
125	17.0	9.9	14.9#

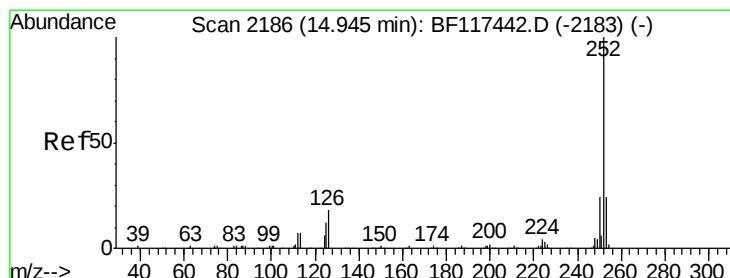
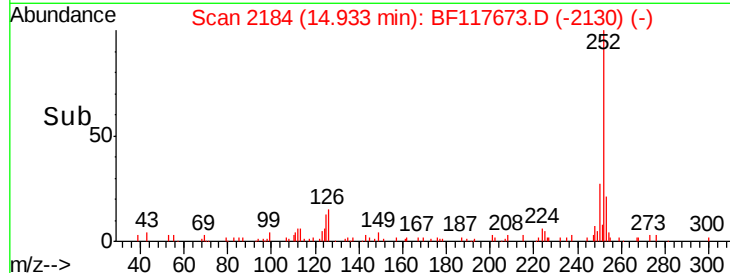
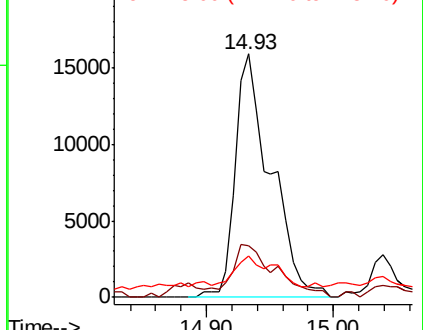


Abundance

Ion 252.00 (251.70 to 252.70): E

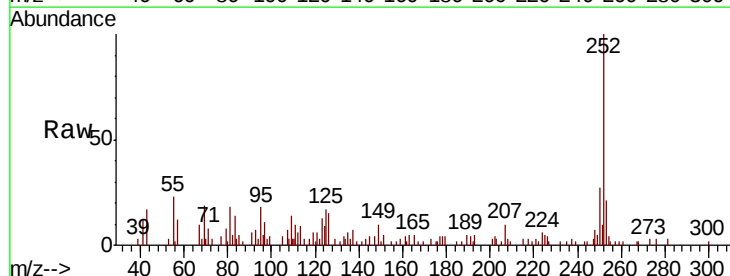
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 10.104 ng
RT: 14.93 min Scan# 2184
Delta R.T. -0.01 min
Lab File: BF117673.D
Acq: 31 Oct 2019 22:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	18.0	27.0
125	17.0	8.9	13.3#

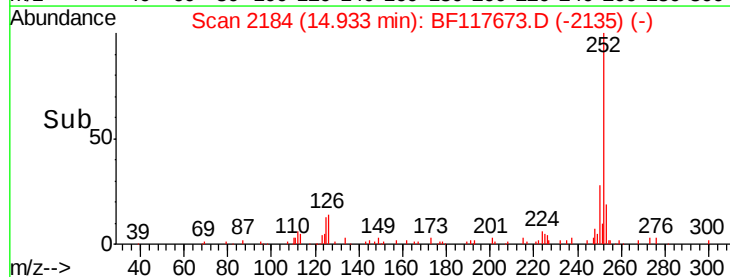
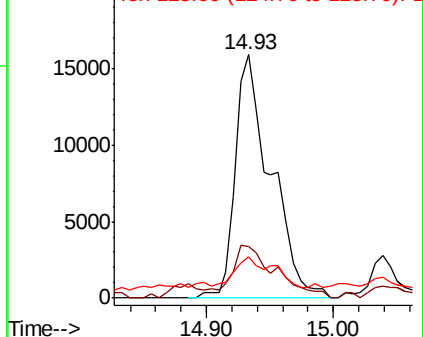


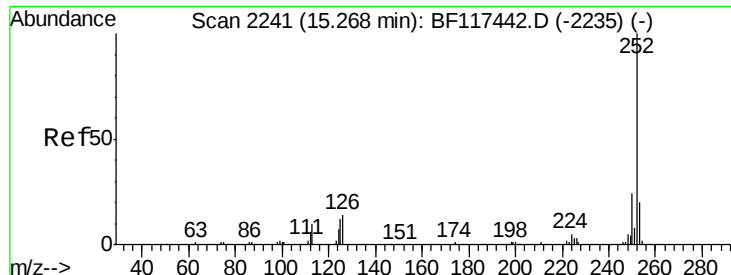
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

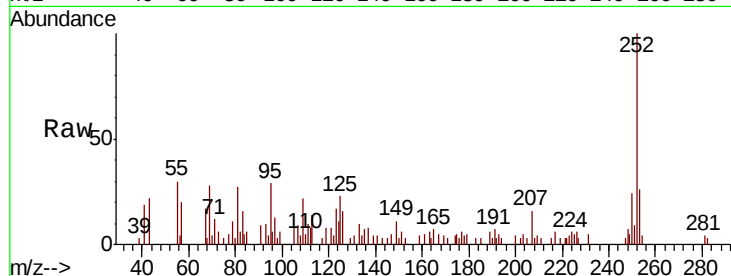




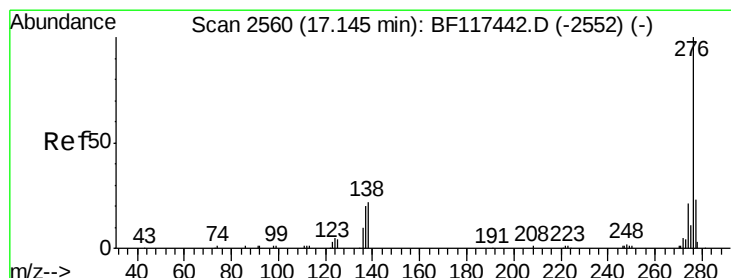
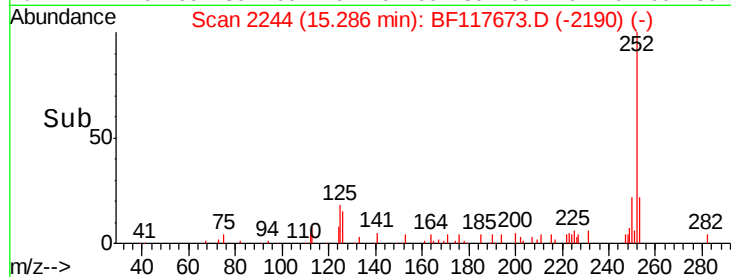
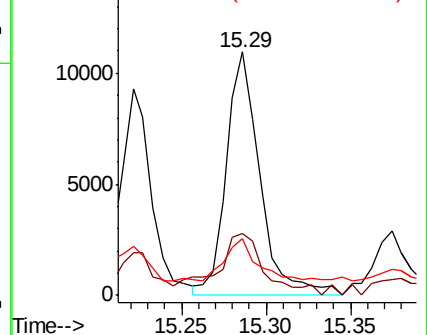
#90
Benzo(a)pyrene
Concen: 5.653 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.02 min
Lab File: BF117673.D
Acq: 31 Oct 2019 22:01

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 15194
Ion Ratio Lower Upper
252 100
253 25.5 16.3 24.5#
125 23.3 9.2 13.8#

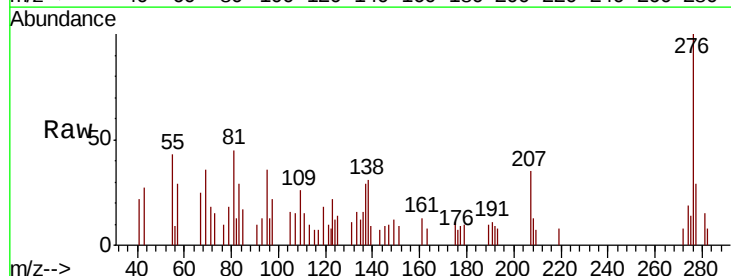


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 4.362 ng
RT: 17.20 min Scan# 2570
Delta R.T. 0.06 min
Lab File: BF117673.D
Acq: 31 Oct 2019 22:01

Tgt Ion:276 Resp: 9591
Ion Ratio Lower Upper
276 100
277 29.5 18.4 27.6#
138 30.9 17.8 26.6#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

