

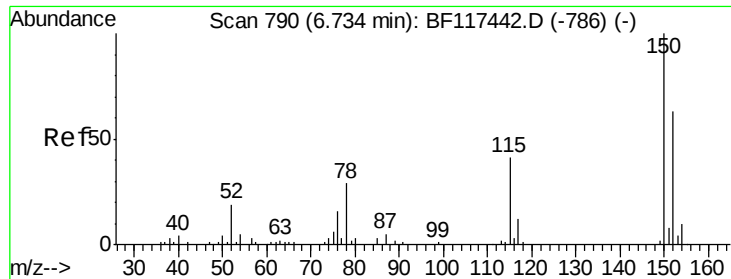
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\
 Data File : BF117534.D
 Acq On : 25 Oct 2019 14:26
 Operator : JU
 Sample : K5502-13
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 178-60-(0-2.1)

Quant Time: Oct 26 00:10:51 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	34423	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	142393	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	72650	20.00	ng	-0.01
64) Phenanthrene-d10	11.25	188	114307	20.00	ng	0.00
76) Chrysene-d12	13.89	240	77510	20.00	ng	0.00
87) Perylene-d12	15.33	264	81506	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	156353	67.57	ng	0.00
7) Phenol-d6	6.38	99	223655	71.97	ng	0.00
23) Nitrobenzene-d5	7.29	82	140164	48.60	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	41595	66.17	ng	-0.01
45) 2-Fluorobiphenyl	9.08	172	224853	43.61	ng	-0.01
79) Terphenyl-d14	12.83	244	188957	39.76	ng	0.00
Target Compounds						
9) Benzaldehyde	6.38	77	266	Below Cal		Qvalue # 3
19) n-Nitroso-di-n-propylamine	7.29	70	18159	9.568 ng	#	81
25) Isophorone	7.29	82	140163	28.091 ng	#	65
50) Dimethylphthalate	9.48	163	51145	9.875 ng		98
56) 4-Nitrophenol	9.97	139	1445	6.401 ng	#	27
57) 2,4-Dinitrotoluene	9.76	165	9403	6.544 ng	#	16
67) 4-Bromophenyl-phenylether	10.55	248	2598	2.110 ng	#	1
71) Phenanthrene	11.27	178	81772	12.320 ng		99
72) Anthracene	11.33	178	19419	2.851 ng		98
75) Fluoranthene	12.46	202	110585	16.643 ng		98
77) Benzidine	12.83	184	2684	Below Cal	#	65
78) Pvrene	12.69	202	94477	14.191 ng		99
81) Benzo(a)anthracene	13.88	228	42221	8.075 ng		98
83) Chrysene	13.92	228	36943	7.210 ng		98
86) Indeno(1,2,3-cd)pyrene	16.74	276	22800	5.960 ng		99
88) Benzo(b)fluoranthene	14.92	252	61068	12.688 ng		96
89) Benzo(k)fluoranthene	14.92	252	61068	12.379 ng		96
90) Benzo(a)pyrene	15.27	252	31599	7.221 ng		95
92) Benzo(a,h,i)perylene	17.17	276	22271	6.221 ng		92

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

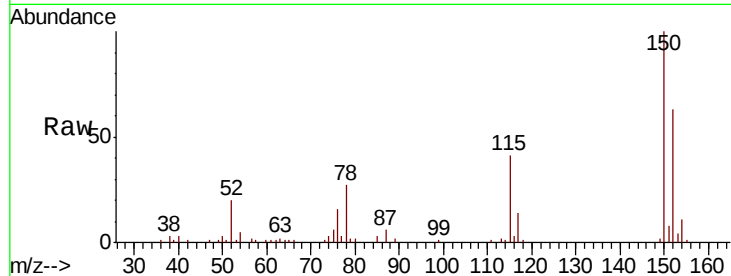


#1

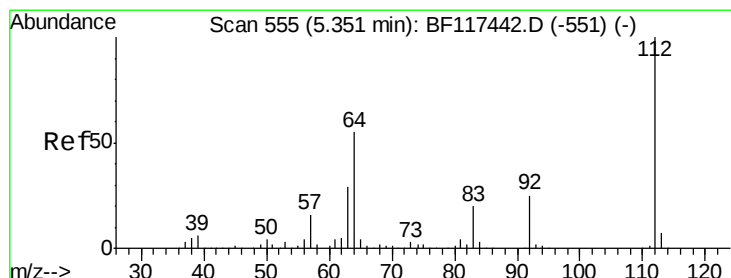
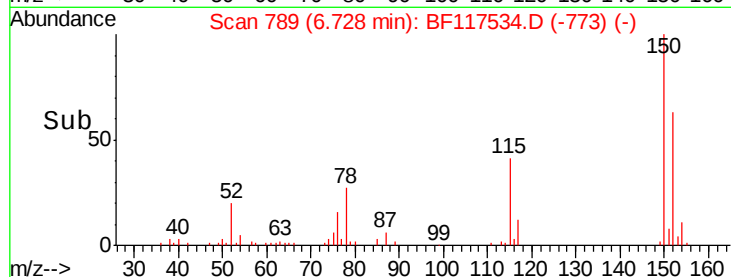
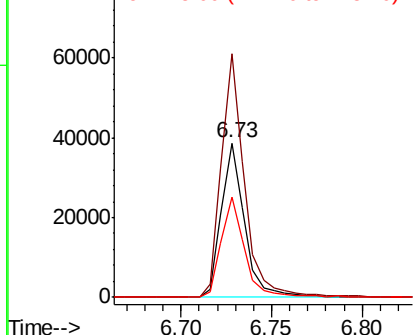
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117534.D
Acq: 25 Oct 2019 14:26

Instrument :
BNA_F
ClientSampleId :
178-60-(0-2.1)

Tot Ion:152 Resp: 34423
Ion Ratio Lower Upper
152 100
150 157.6 126.8 190.2
115 64.6 51.6 77.4



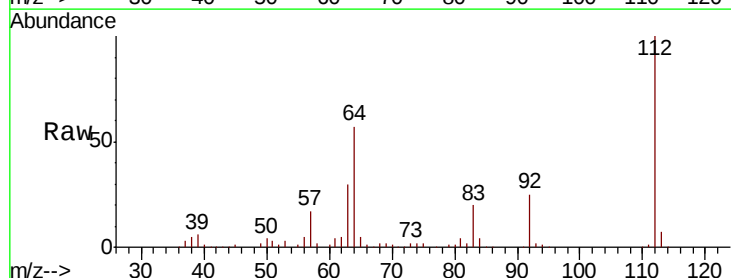
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



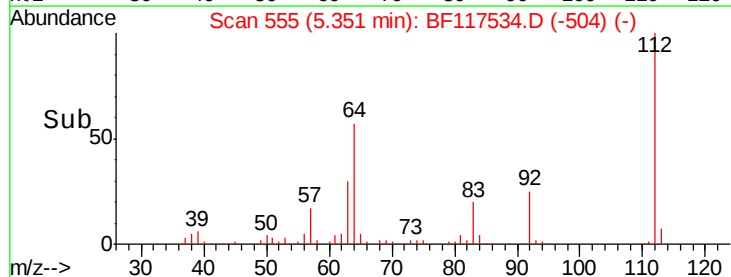
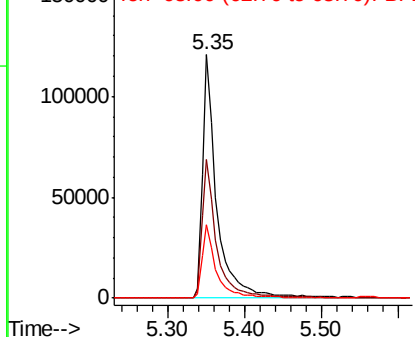
#5

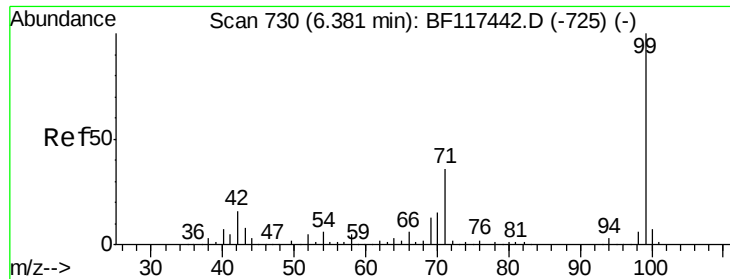
2-Fluorophenol
Concen: 67.573 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF117534.D
Acq: 25 Oct 2019 14:26

Tgt Ion:112 Resp: 156353
Ion Ratio Lower Upper
112 100
64 56.9 44.1 66.1
63 30.4 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: 71.967 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF117534.D

Acq: 25 Oct 2019 14:26

Instrument :

BNA_F

ClientSampleId :

178-60-(0-2.1)

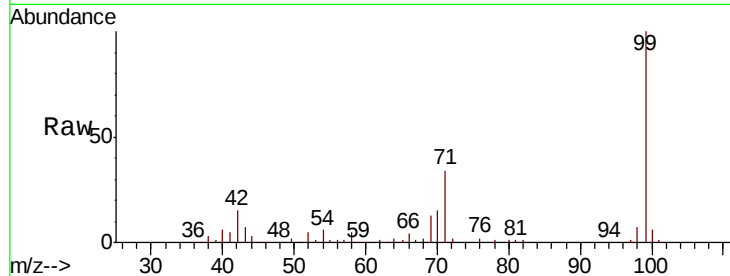
Tot Ion: 99 Resp: 223655

Ion Ratio Lower Upper

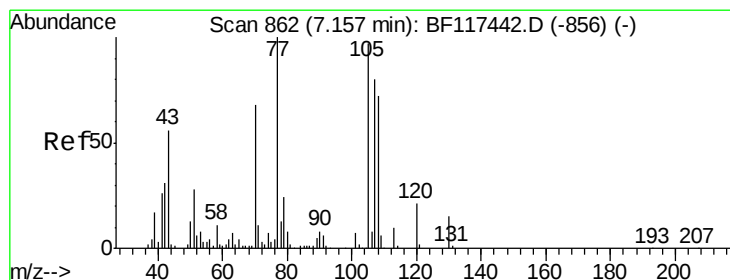
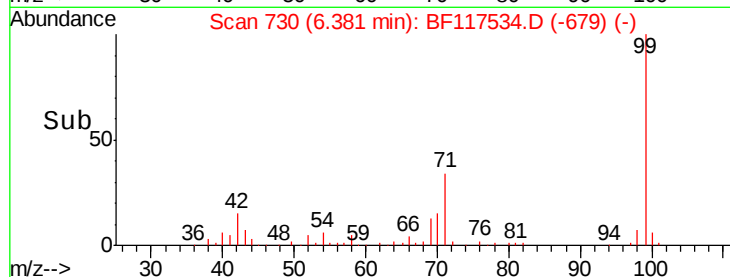
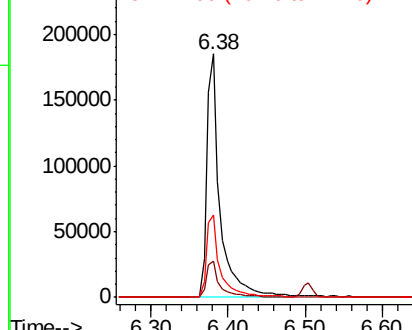
99 100

42 14.7 12.8 19.2

71 34.1 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: 9.568 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.14 min

Lab File: BF117534.D

Acq: 25 Oct 2019 14:26

Tgt Ion: 70 Resp: 18159

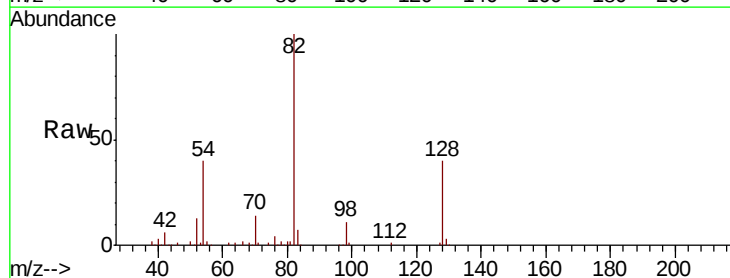
Ion Ratio Lower Upper

70 100

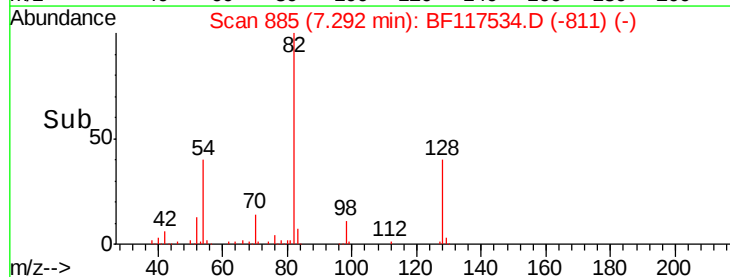
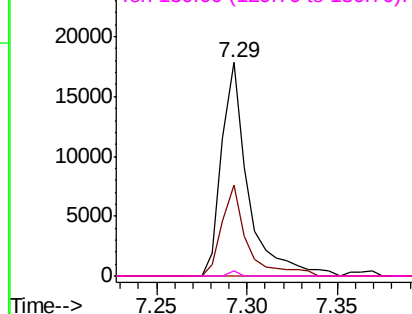
42 42.5 36.7 55.1

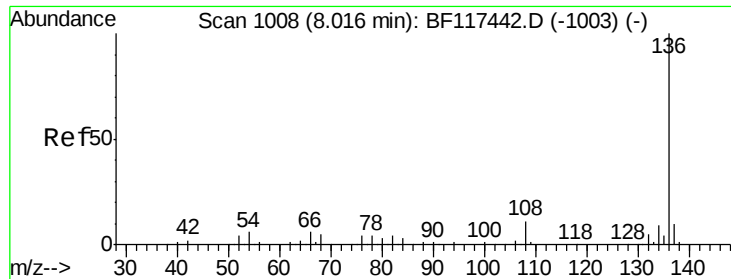
101 0.0 8.3 12.5#

130 2.4 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

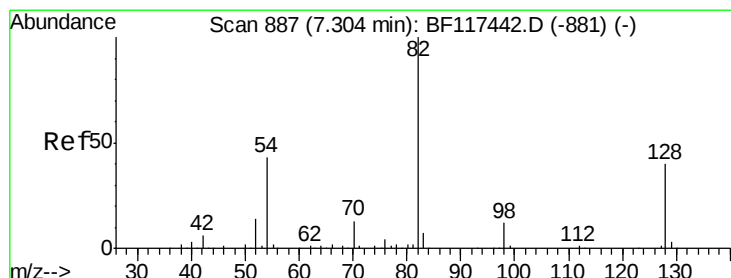
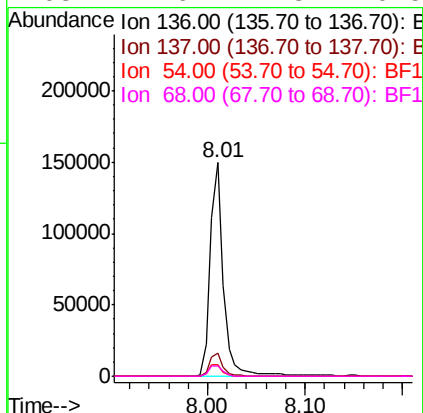
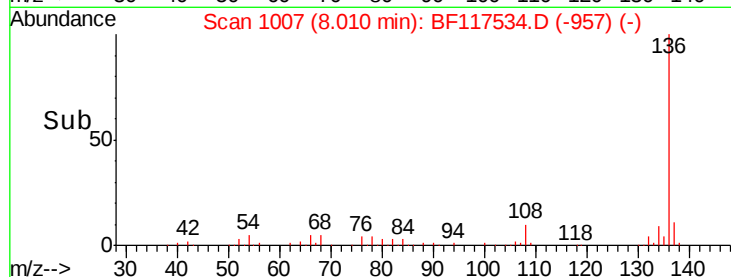
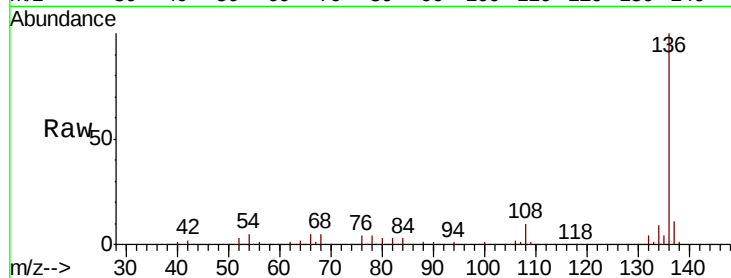




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117534.D
Acq: 25 Oct 2019 14:26

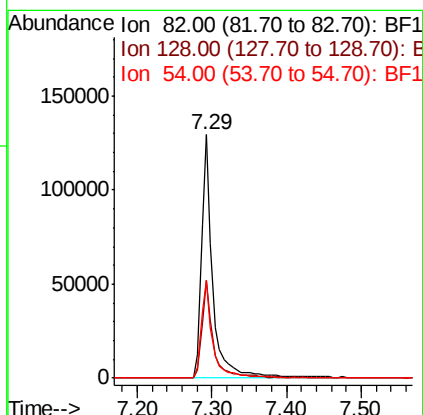
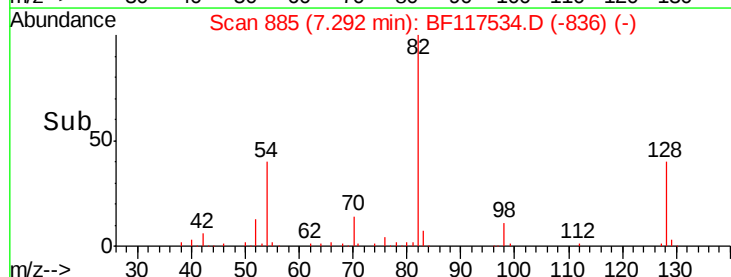
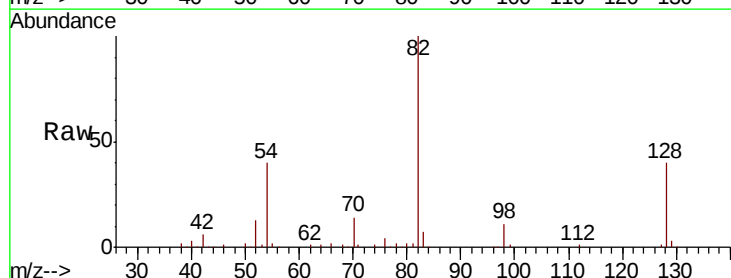
Instrument :
BNA_F
ClientSampleId :
178-60-(0-2.1)

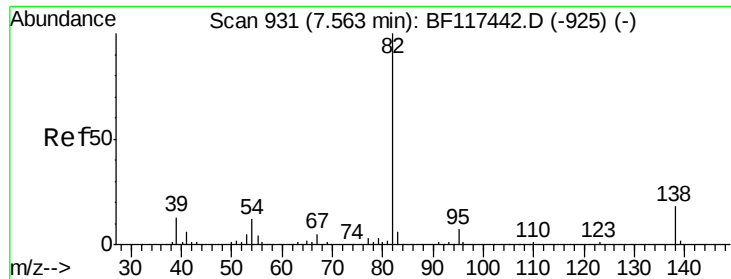
Tot Ion:136	Resp:	142393
Ion Ratio	Lower	Upper
136 100		
137 10.6	8.2	12.4
54 5.4	4.5	6.7
68 4.6	4.3	6.5



#23
Nitrobenzene-d5
Concen: 48.595 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF117534.D
Acq: 25 Oct 2019 14:26

Tgt Ion: 82	Resp: 140164
Ion Ratio	Lower Upper
82 100	
128 39.9	32.2 48.2
54 40.3	34.2 51.2





#25

Isophorone

Concen: 28.091 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.27 min

Lab File: BF117534.D

Acq: 25 Oct 2019 14:26

Instrument :

BNA_F

ClientSampleId :

178-60-(0-2.1)

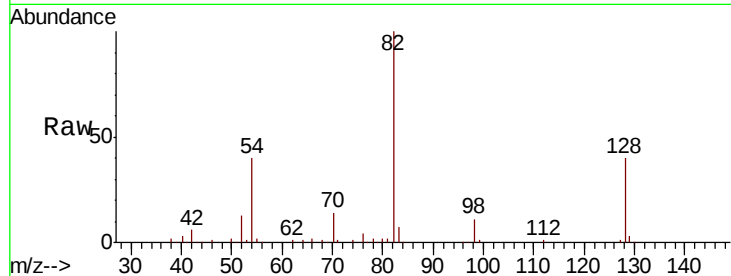
Tot Ion: 82 Resp: 140163

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

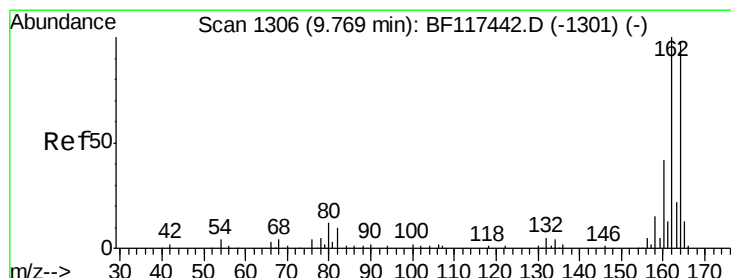
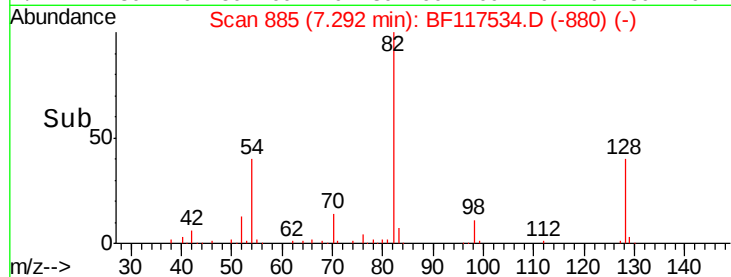
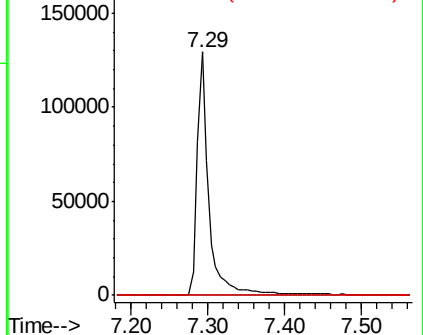
138 0.0 14.2 21.2#



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): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF117534.D

Acq: 25 Oct 2019 14:26

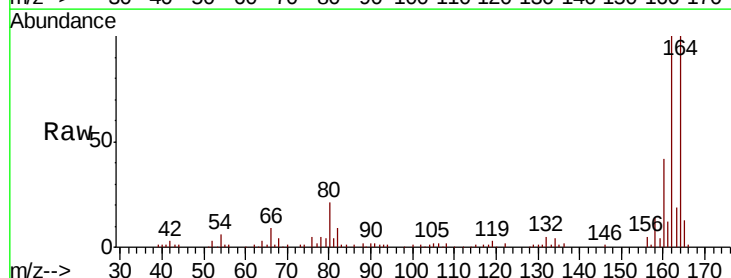
Tgt Ion:164 Resp: 72650

Ion Ratio Lower Upper

164 100

162 99.6 81.8 122.6

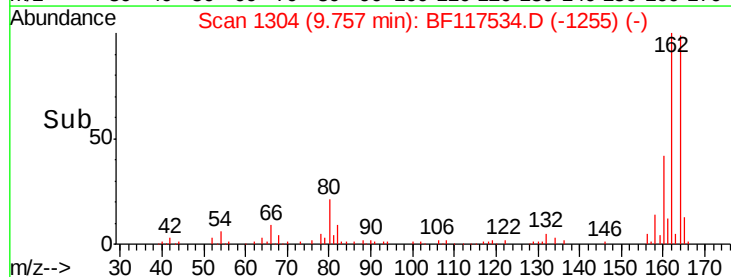
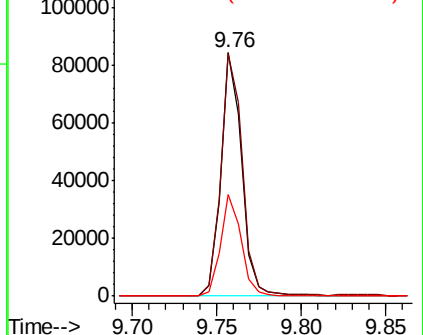
160 41.9 34.4 51.6

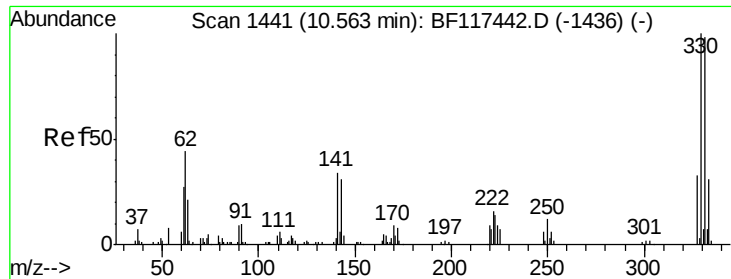


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

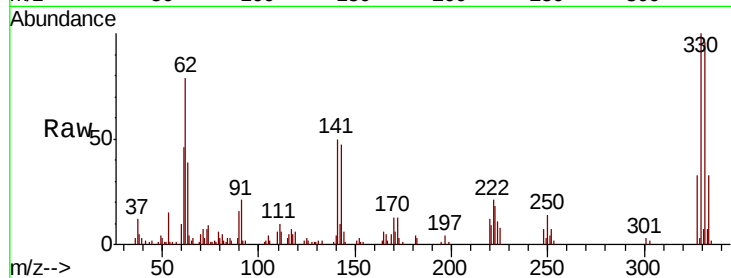




#42
 2,4,6-Tribromophenol
 Concen: 66.170 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF117534.D
 Acq: 25 Oct 2019 14:26

Instrument :
 BNA_F
 ClientSampleId :
 178-60-(0-2.1)

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.9	78.5	117.7
141	47.5	37.0	55.6

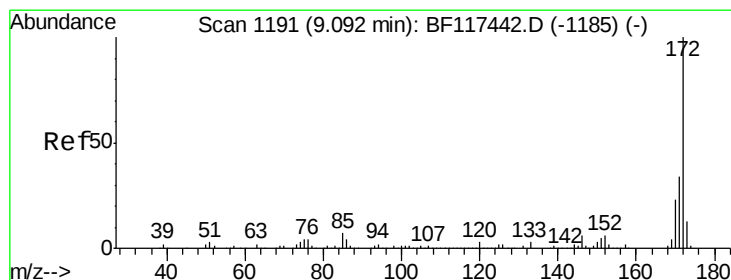
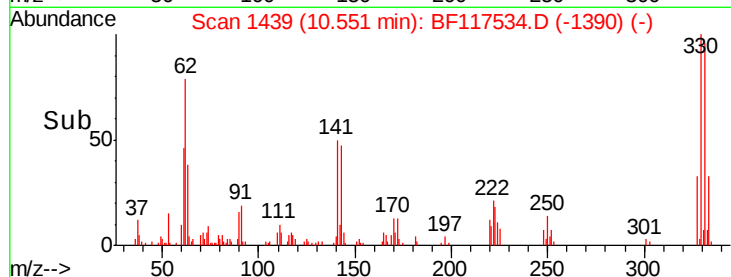
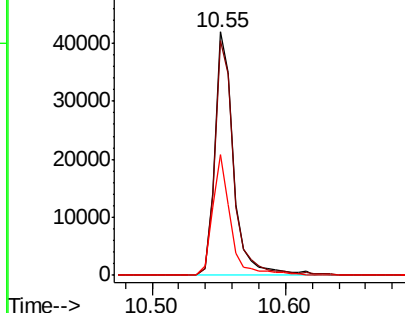


Abundance

Ion 329.80 (329.50 to 330.50): E

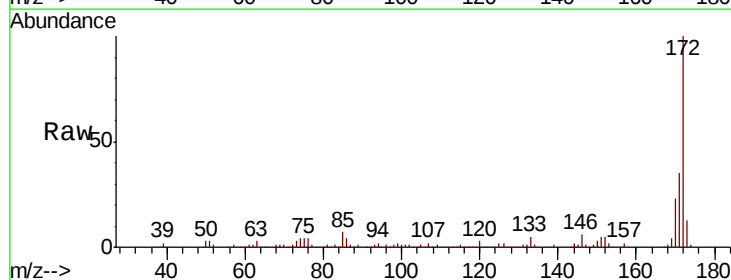
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 43.608 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF117534.D
 Acq: 25 Oct 2019 14:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.5	41.3
170	22.9	18.6	27.8

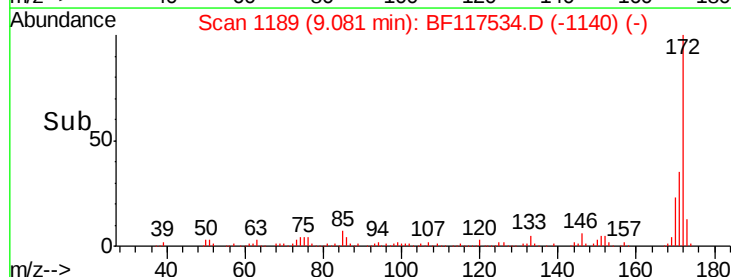
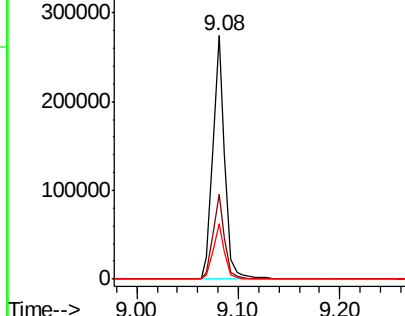


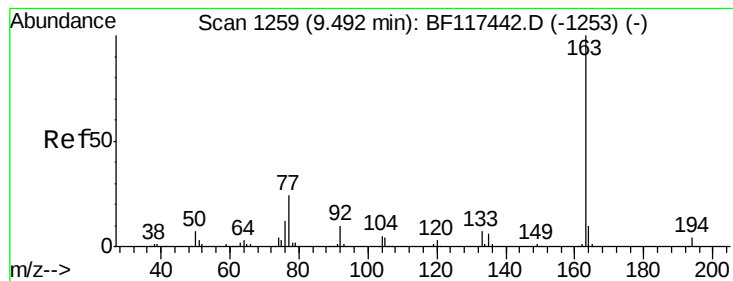
Abundance

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: 9.875 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.01 min

Lab File: BF117534.D

Acq: 25 Oct 2019 14:26

Instrument :

BNA_F

ClientSampleId :

178-60-(0-2.1)

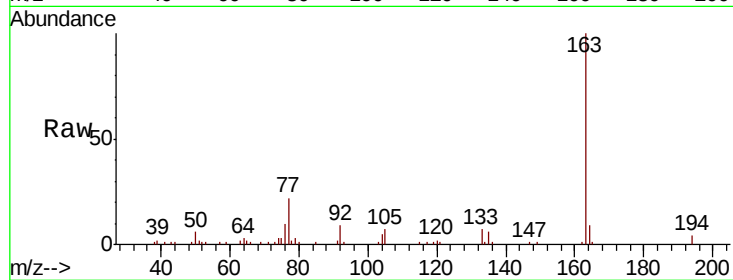
Tot Ion:163 Resp: 51145

Ion Ratio Lower Upper

163 100

194 4.1 2.9 4.3

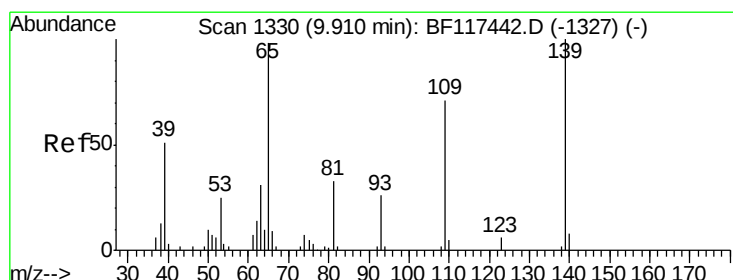
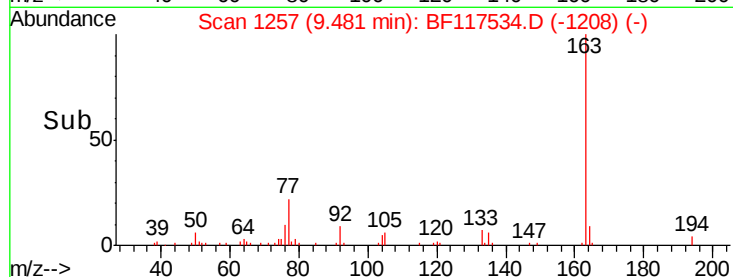
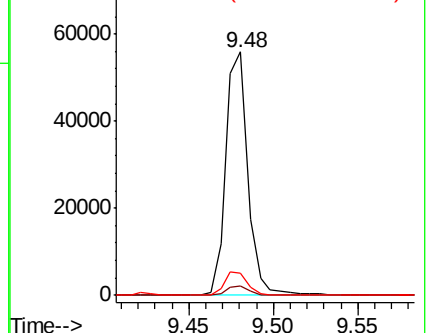
164 9.2 8.2 12.2



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



#56

4-Nitrophenol

Concen: 6.401 ng

RT: 9.97 min Scan# 1340

Delta R.T. 0.06 min

Lab File: BF117534.D

Acq: 25 Oct 2019 14:26

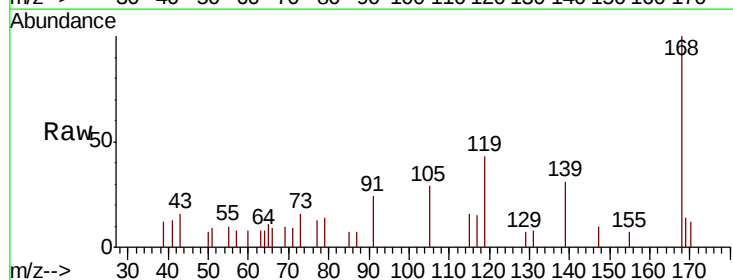
Tgt Ion:139 Resp: 1445

Ion Ratio Lower Upper

139 100

109 0.0 51.4 91.4#

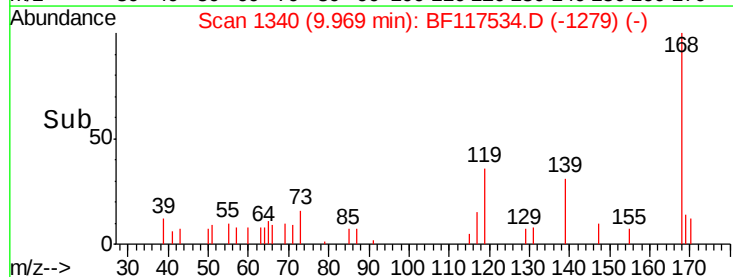
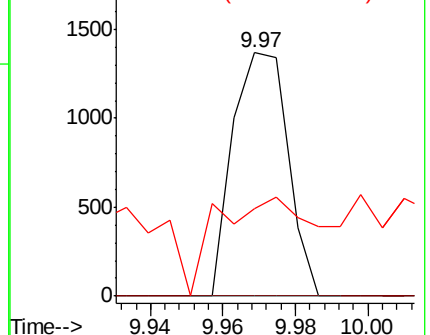
65 35.7 79.4 119.4#

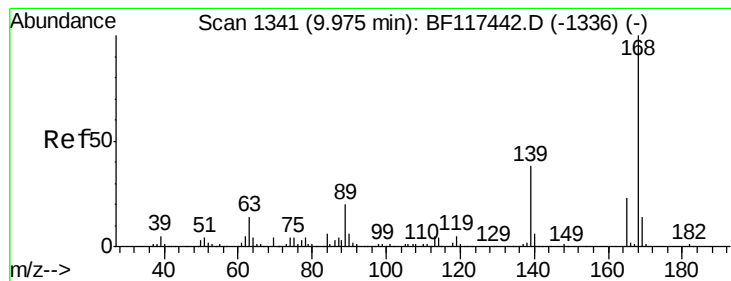


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





#57

2,4-Dinitrotoluene

Concen: 6.544 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.22 min

Lab File: BF117534.D

Acq: 25 Oct 2019 14:26

Instrument :

BNA_F

ClientSampleId :

178-60-(0-2.1)

Tot Ion:165 Resp: 9403

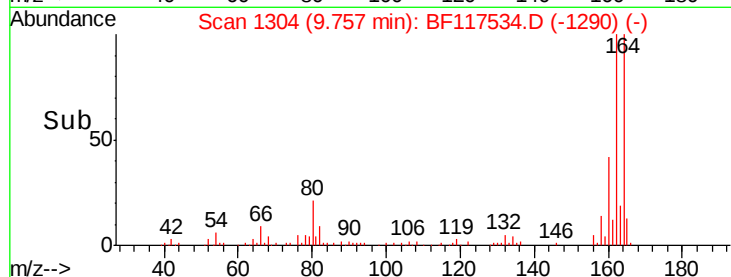
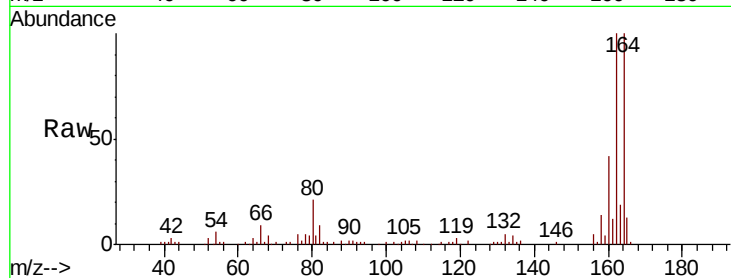
Ion Ratio Lower Upper

165 100

63 3.2 51.4 77.0#

89 3.5 69.9 104.9#

182 0.0 1.9 2.9#

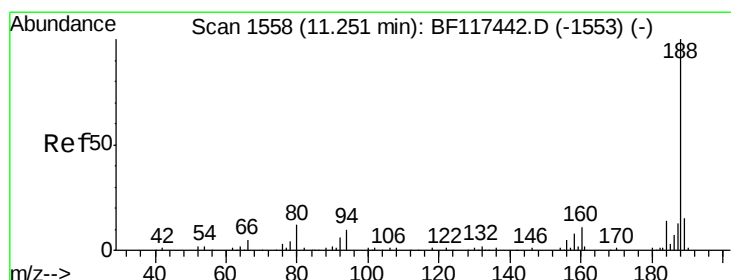
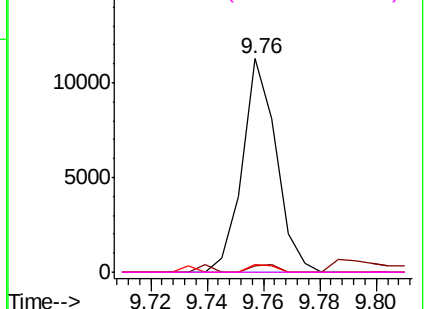


Abundance Ion 165.00 (164.70 to 165.70): E

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# 1557

Delta R.T. -0.01 min

Lab File: BF117534.D

Acq: 25 Oct 2019 14:26

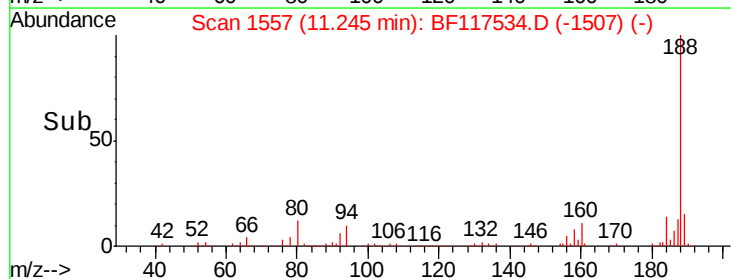
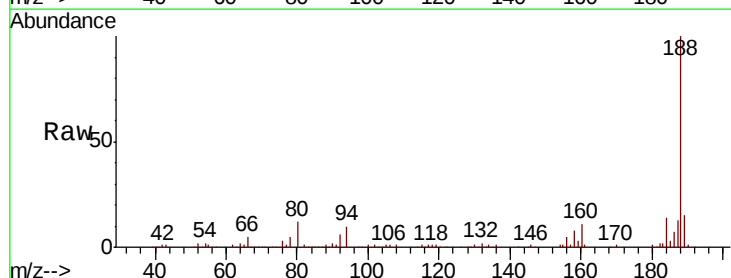
Tgt Ion:188 Resp: 114307

Ion Ratio Lower Upper

188 100

94 10.3 8.0 12.0

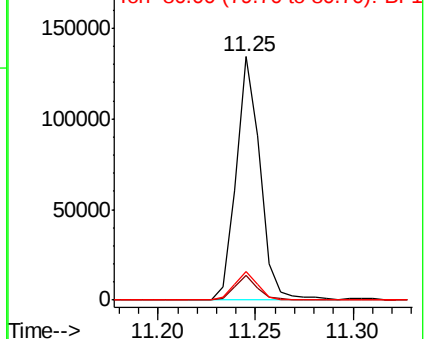
80 11.9 9.5 14.3

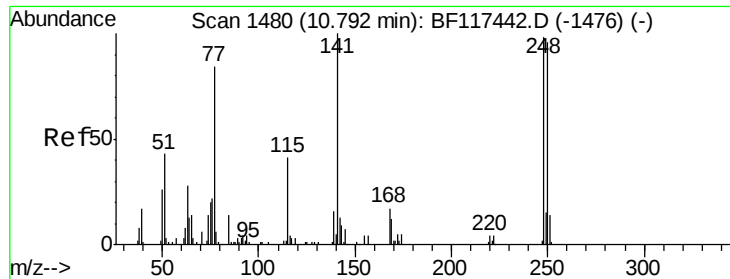


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

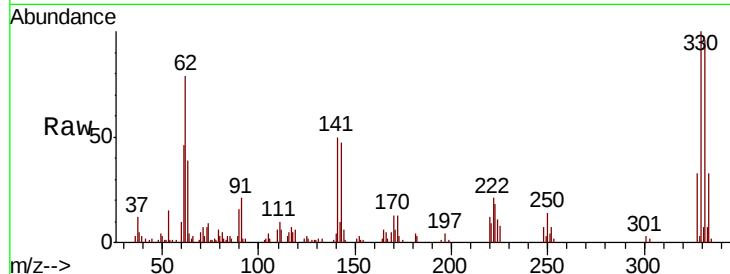




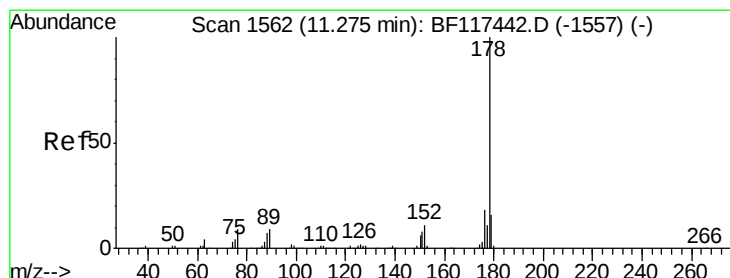
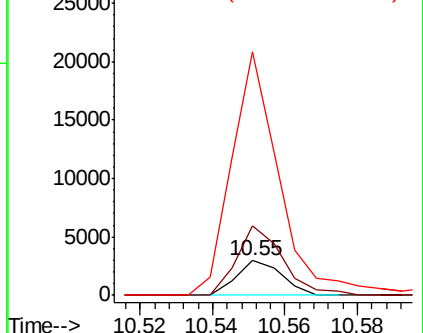
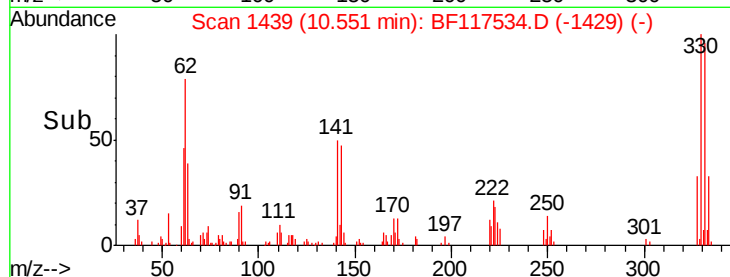
#67
 4-Bromophenyl-phenylether
 Concen: 2.110 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.24 min
 Lab File: BF117534.D
 Acq: 25 Oct 2019 14:26

Instrument :
 BNA_F
 ClientSampleId :
 178-60-(0-2.1)

Tot Ion:248 Resp: 2598
 Ion Ratio Lower Upper
 248 100
 250 200.6 78.0 117.0#
 141 699.6 81.7 122.5#

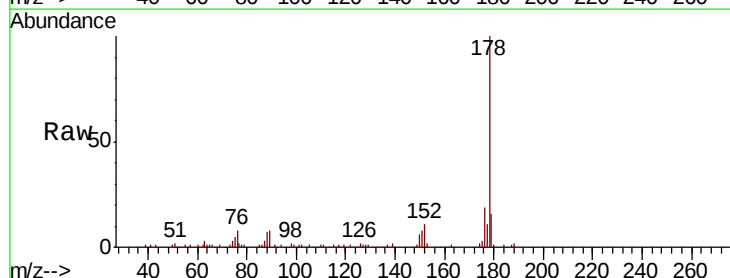


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

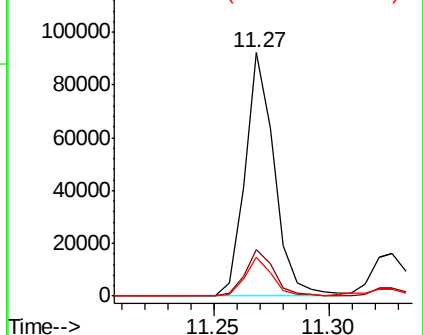
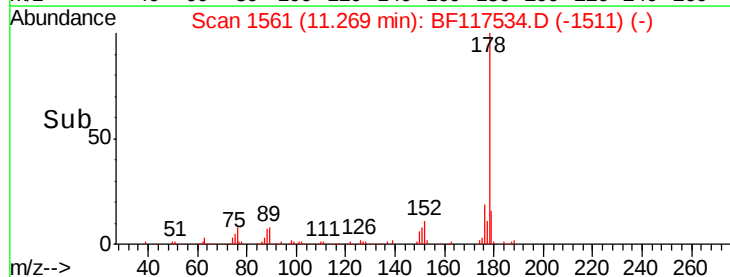


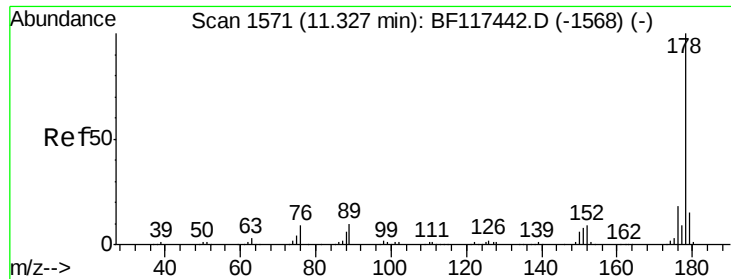
#71
 Phenanthrene
 Concen: 12.320 ng
 RT: 11.27 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: BF117534.D
 Acq: 25 Oct 2019 14:26

Tgt Ion:178 Resp: 81772
 Ion Ratio Lower Upper
 178 100
 176 19.0 14.6 22.0
 179 15.9 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





#72

Anthracene

Concen: 2.851 ng

RT: 11.33 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BF117534.D

Acq: 25 Oct 2019 14:26

Instrument :

BNA_F

ClientSampleId :

178-60-(0-2.1)

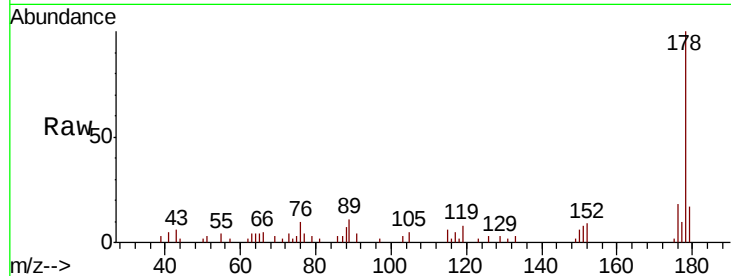
Tot Ion:178 Resp: 19419

Ion Ratio Lower Upper

178 100

176 18.2 14.7 22.1

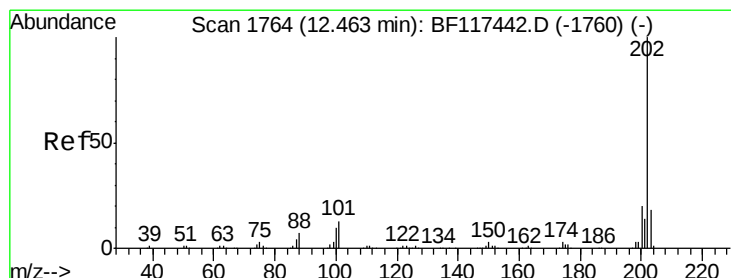
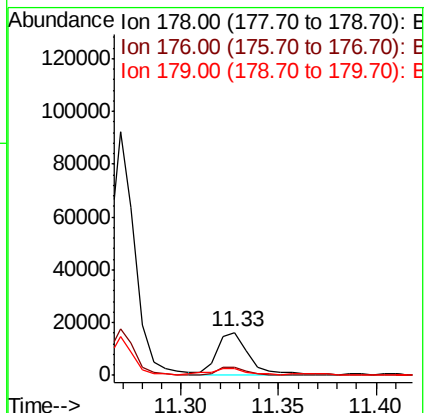
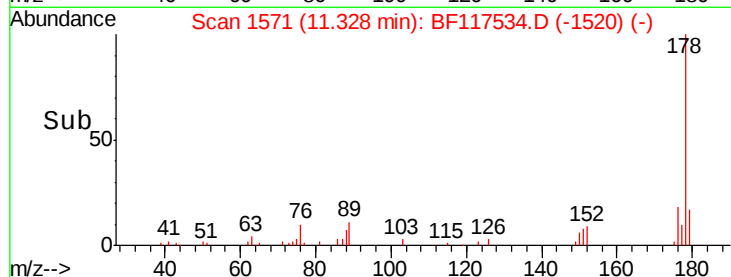
179 17.2 12.2 18.2



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: 16.643 ng

RT: 12.46 min Scan# 1764

Delta R.T. 0.00 min

Lab File: BF117534.D

Acq: 25 Oct 2019 14:26

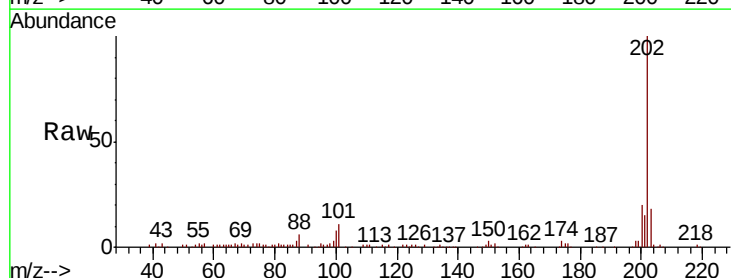
Tgt Ion:202 Resp: 110585

Ion Ratio Lower Upper

202 100

101 11.2 0.0 32.7

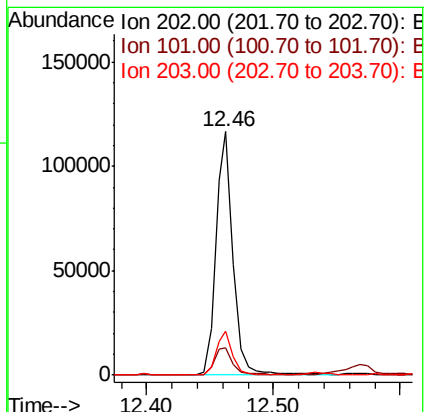
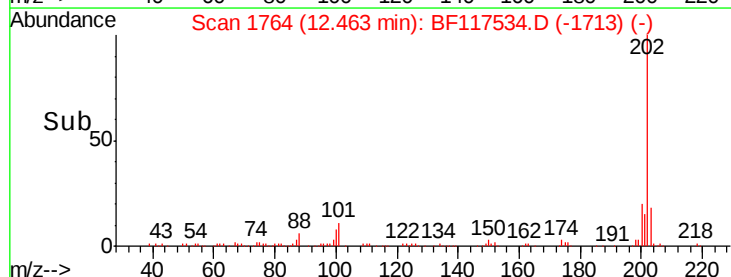
203 18.2 0.0 37.6

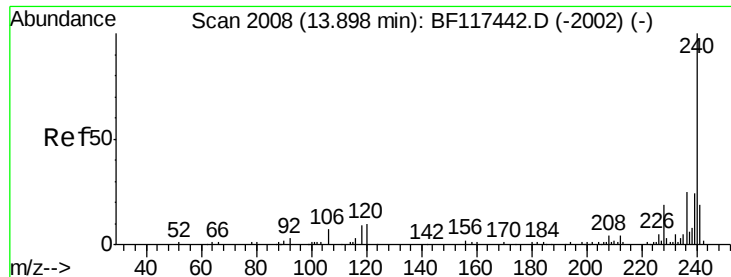


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF117534.D

Acq: 25 Oct 2019 14:26

Instrument :

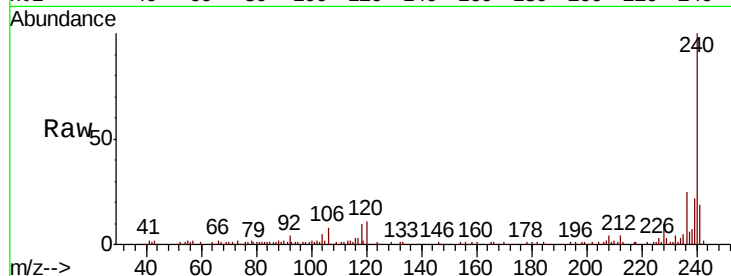
BNA_F

ClientSampleId :

178-60-(0-2.1)

Tot Ion:240 Resp: 77510

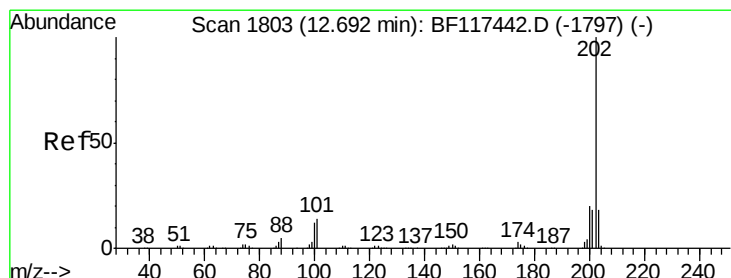
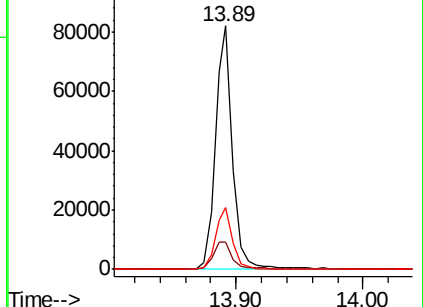
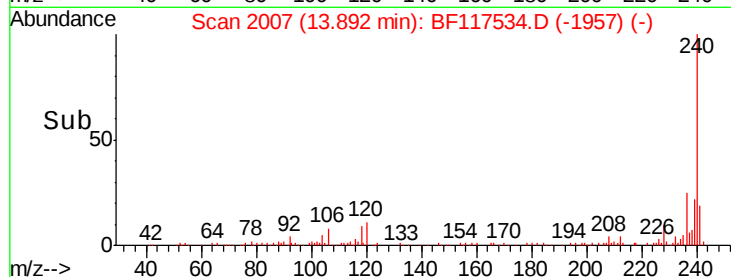
Ion	Ratio	Lower	Upper
240	100		
120	11.2	8.4	12.6
236	25.2	20.0	30.0



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: 14.191 ng

RT: 12.69 min Scan# 1803

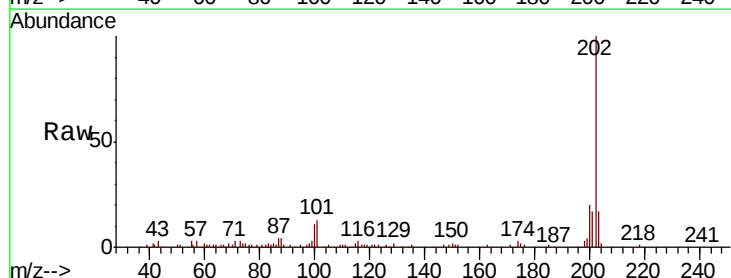
Delta R.T. 0.00 min

Lab File: BF117534.D

Acq: 25 Oct 2019 14:26

Tgt Ion:202 Resp: 94477

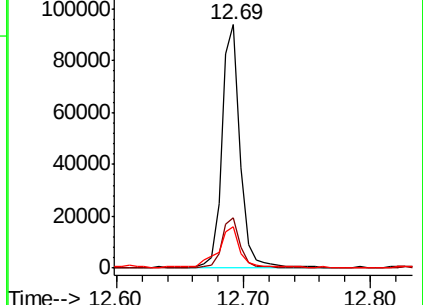
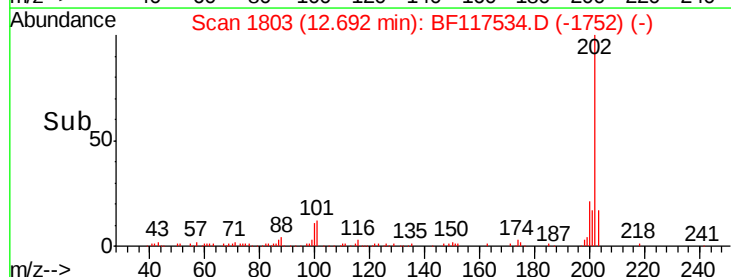
Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.2	24.2
203	16.9	14.0	21.0

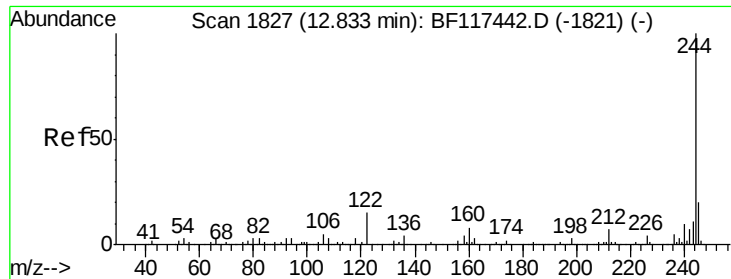


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

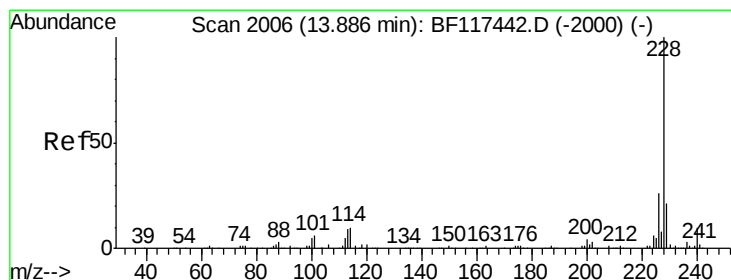
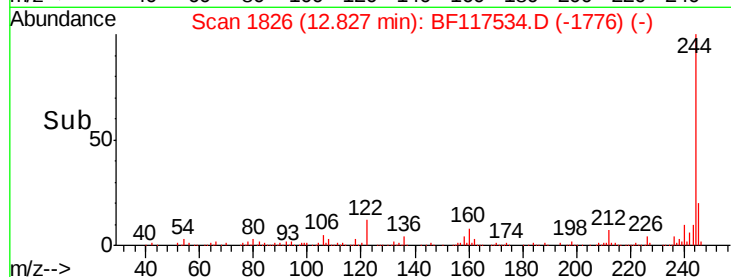
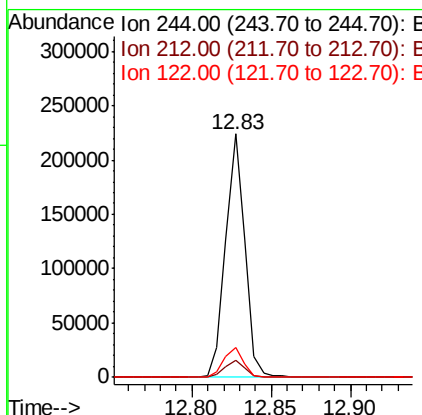
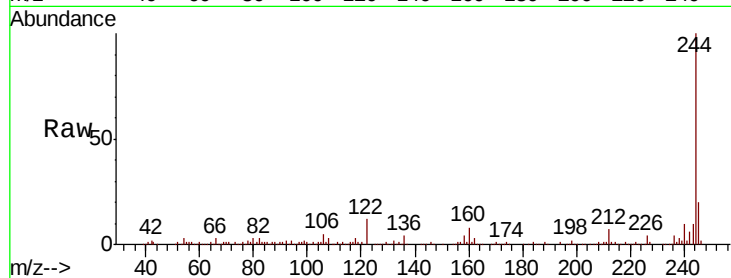




#79
 Terphenyl-d14
 Concen: 39.764 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF117534.D
 Acq: 25 Oct 2019 14:26

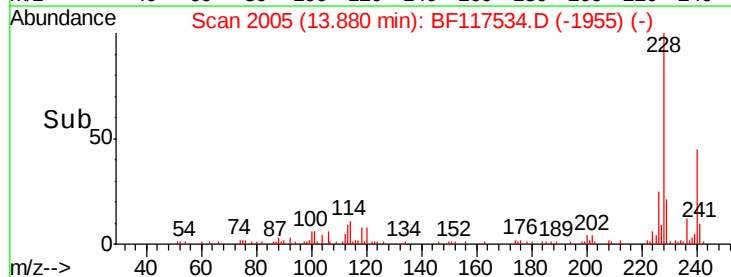
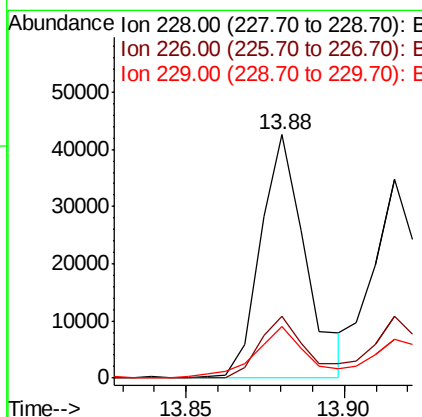
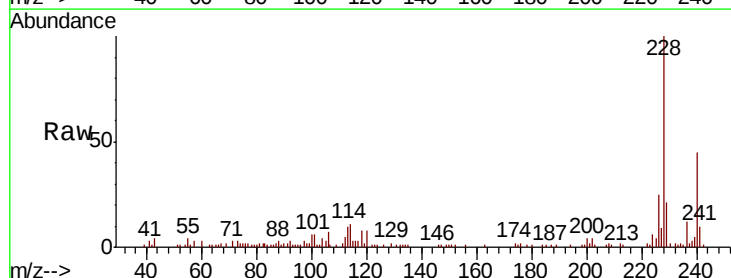
Instrument :
 BNA_F
 ClientSampleId :
 178-60-(0-2.1)

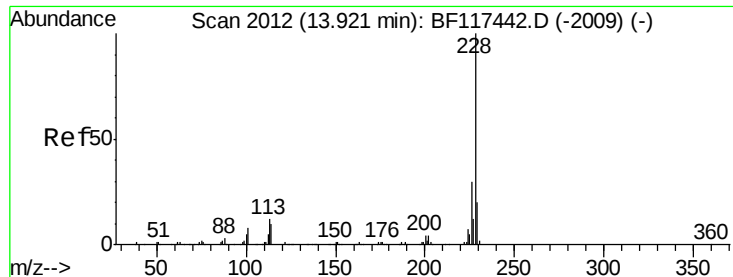
Tot Ion:244 Resp: 188957
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.6
 122 12.4 11.8 17.8



#81
 Benzo(a)anthracene
 Concen: 8.075 ng
 RT: 13.88 min Scan# 2005
 Delta R.T. -0.01 min
 Lab File: BF117534.D
 Acq: 25 Oct 2019 14:26

Tgt Ion:228 Resp: 42221
 Ion Ratio Lower Upper
 228 100
 226 25.2 21.0 31.4
 229 21.2 16.4 24.6

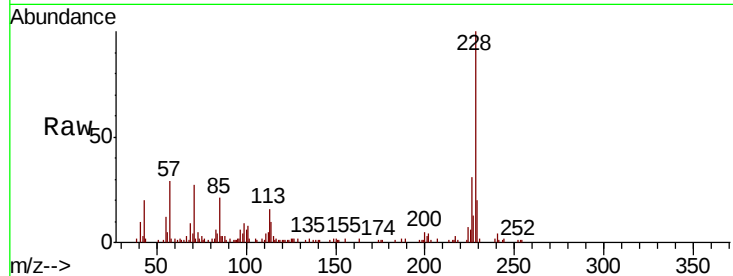




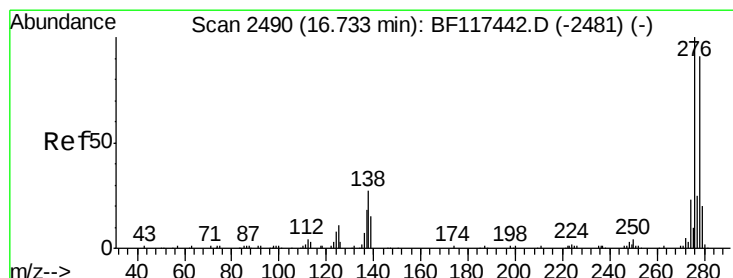
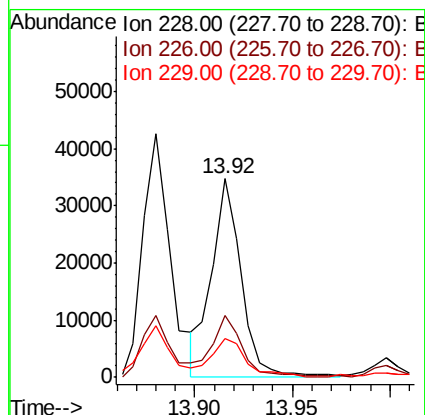
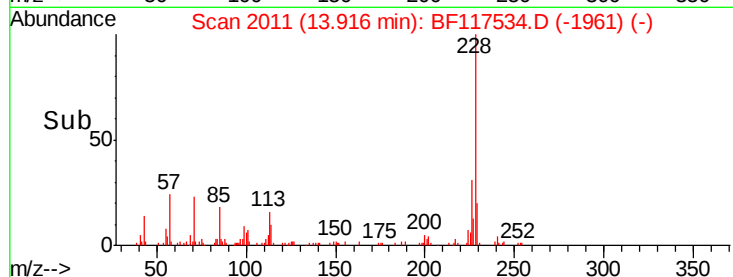
#83
Chrysene
Concen: 7.210 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF117534.D
Acq: 25 Oct 2019 14:26

Instrument :
BNA_F
ClientSampleId :
178-60-(0-2.1)

Tot Ion:228 Resp: 36943
Ion Ratio Lower Upper
228 100
226 31.3 23.9 35.9
229 19.5 15.8 23.6

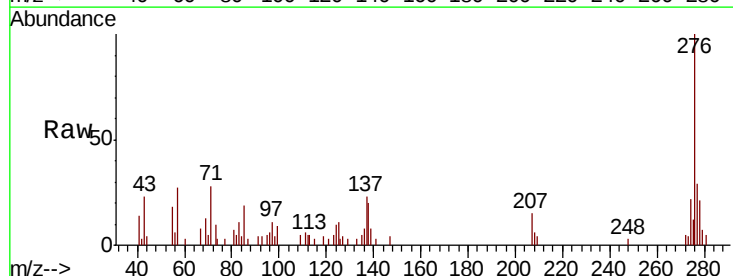


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

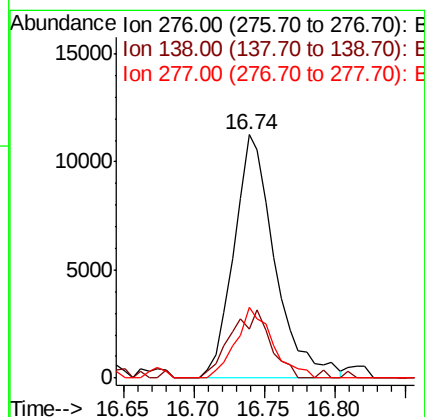
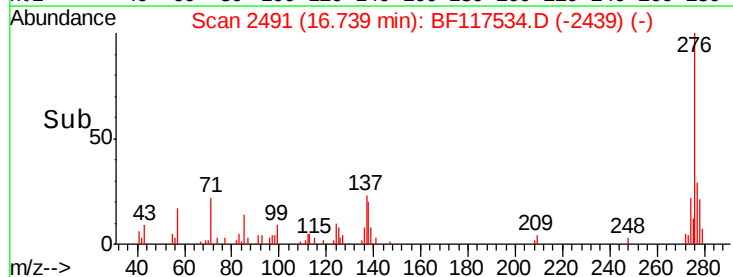


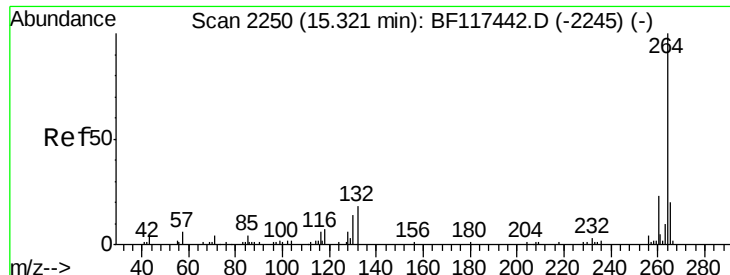
#86
Indeno(1,2,3-cd)pyrene
Concen: 5.960 ng
RT: 16.74 min Scan# 2491
Delta R.T. 0.01 min
Lab File: BF117534.D
Acq: 25 Oct 2019 14:26

Tgt Ion:276 Resp: 22800
Ion Ratio Lower Upper
276 100
138 27.2 21.8 32.8
277 26.0 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

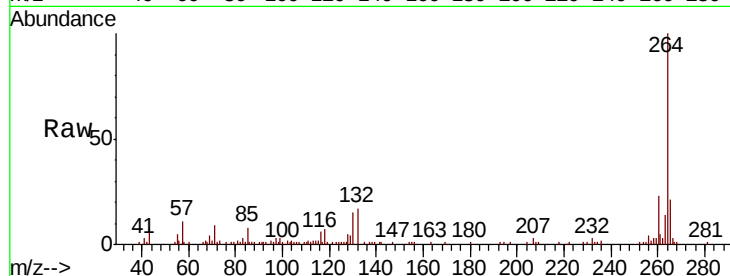




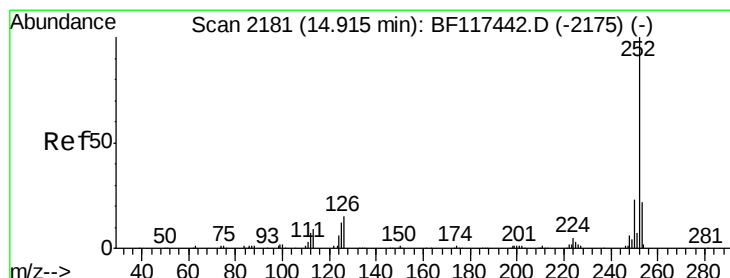
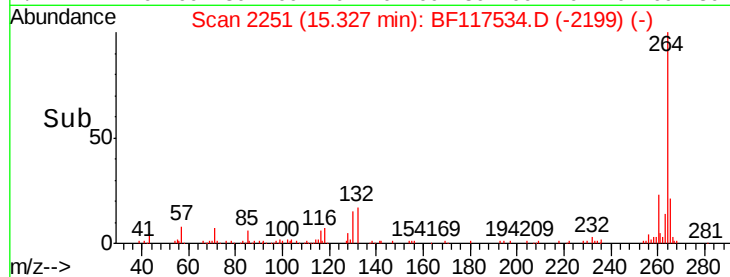
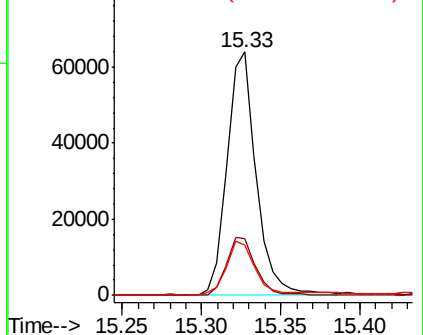
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2251
Delta R.T. 0.01 min
Lab File: BF117534.D
Acq: 25 Oct 2019 14:26

Instrument :
BNA_F
ClientSampleId :
178-60-(0-2.1)

Tot Ion:264 Resp: 81506
Ion Ratio Lower Upper
264 100
260 23.2 18.4 27.6
265 20.8 16.1 24.1

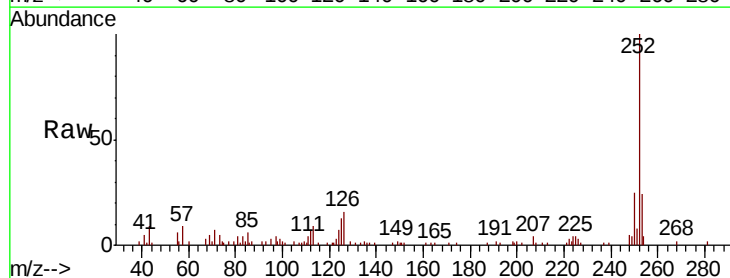


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

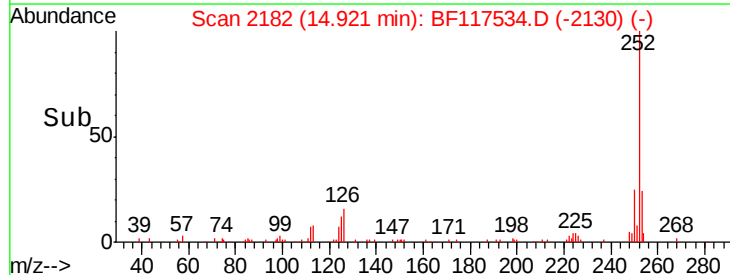
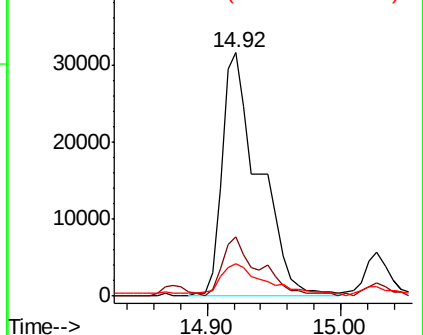


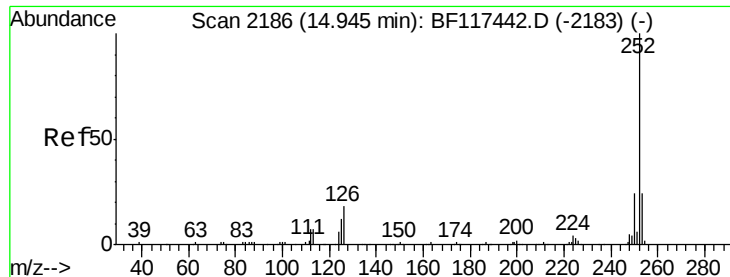
#88
Benzo(b)fluoranthene
Concen: 12.688 ng
RT: 14.92 min Scan# 2182
Delta R.T. 0.01 min
Lab File: BF117534.D
Acq: 25 Oct 2019 14:26

Tgt Ion:252 Resp: 61068
Ion Ratio Lower Upper
252 100
253 24.4 17.8 26.6
125 13.1 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: 12.379 ng

RT: 14.92 min Scan# 2182

Delta R.T. -0.02 min

Lab File: BF117534.D

Acq: 25 Oct 2019 14:26

Instrument :

BNA_F

ClientSampleId :

178-60-(0-2.1)

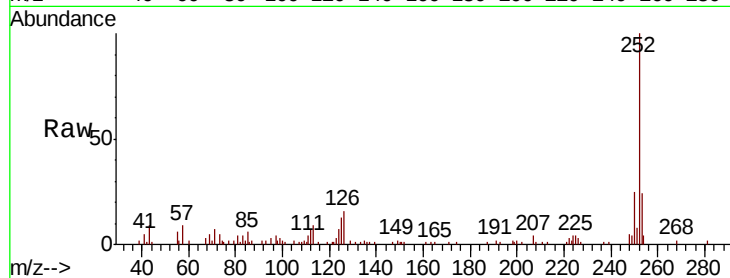
Tot Ion:252 Resp: 61068

Ion Ratio Lower Upper

252 100

253 24.4 18.0 27.0

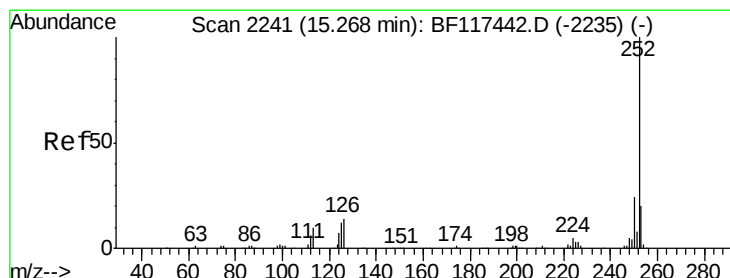
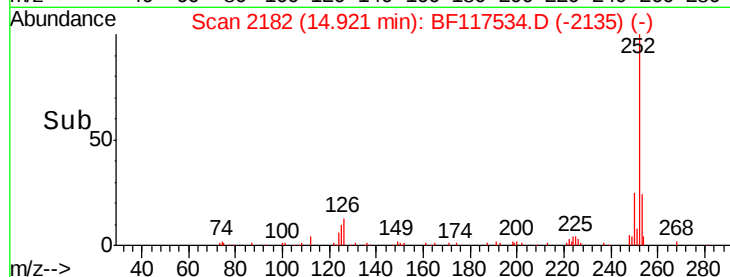
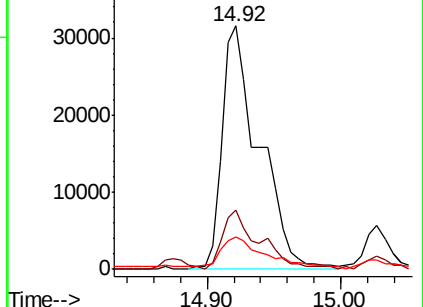
125 13.1 8.9 13.3



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: 7.221 ng

RT: 15.27 min Scan# 2241

Delta R.T. 0.00 min

Lab File: BF117534.D

Acq: 25 Oct 2019 14:26

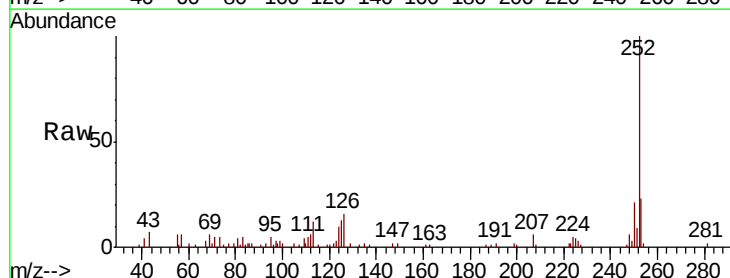
Tgt Ion:252 Resp: 31599

Ion Ratio Lower Upper

252 100

253 23.2 16.3 24.5

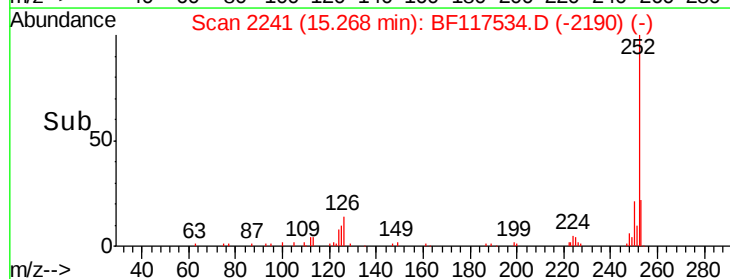
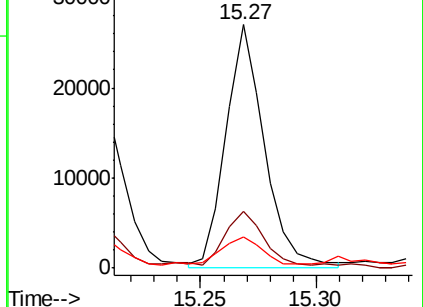
125 12.8 9.2 13.8

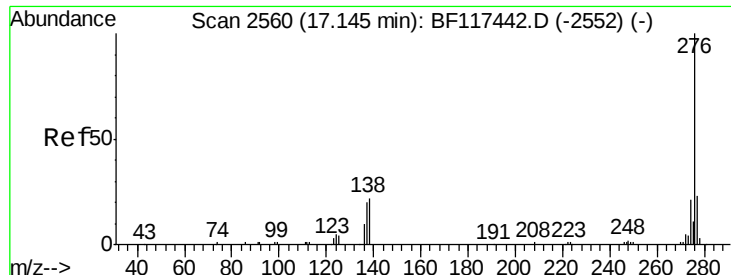


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(a,h,i)perylene

Concen: 6.221 ng

RT: 17.17 min Scan# 2564

Delta R.T. 0.02 min

Lab File: BF117534.D

Acq: 25 Oct 2019 14:26

Instrument :

BNA_F

ClientSampleId :

178-60-(0-2.1)

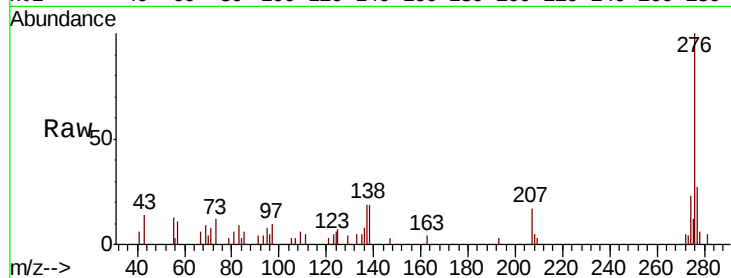
Tot Ion:276 Resp: 22271

Ion Ratio Lower Upper

276 100

277 26.9 18.4 27.6

138 18.7 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

