

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112619\
 Data File : BF118020.D
 Acq On : 26 Nov 2019 21:16
 Operator : JU
 Sample : K5959-01 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 27 00:47:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 26 05:38:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	135734	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	486946	20.00	ng	0.00
39) Acenaphthene-d10	9.95	164	209698	20.00	ng	0.00
64) Phenanthrene-d10	11.44	188	340698	20.00	ng	0.00
76) Chrysene-d12	14.10	240	253077	20.00	ng	0.01
87) Perylene-d12	15.60	264	219037	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	175995	22.95	ng	0.00
7) Phenol-d6	6.52	99	223239	24.14	ng	0.00
23) Nitrobenzene-d5	7.45	82	116177	14.18	ng	-0.01
42) 2,4,6-Tribromophenol	10.73	330	43299	19.50	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	193503	16.55	ng	0.00
79) Terphenyl-d14	13.03	244	206852	14.94	ng	0.00

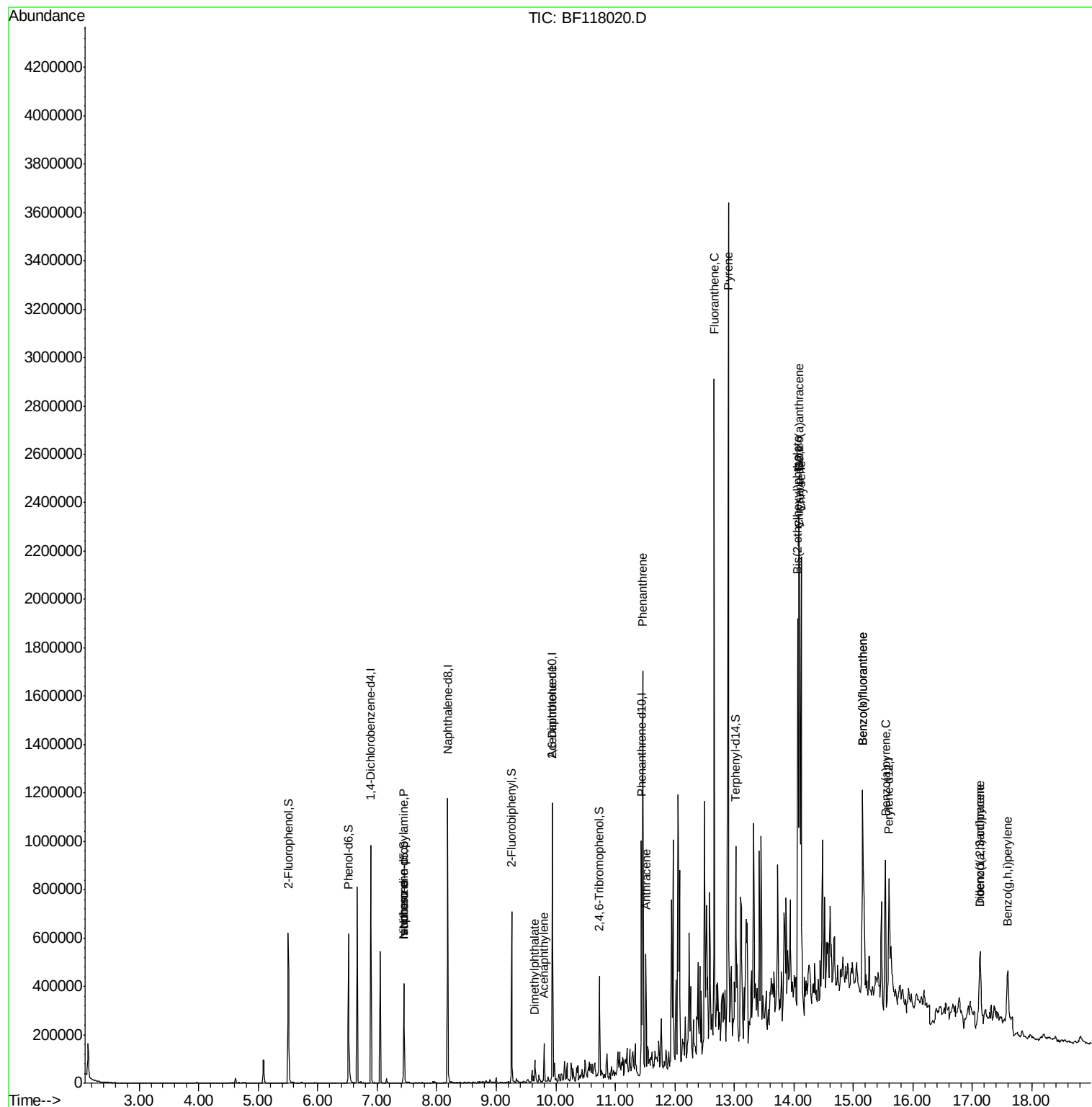
Target Compounds				Qvalue		
9) Benzaldehyde	6.52	77	167	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.45	70	15001	2.629 ng	#	76
25) Isophorone	7.45	82	116176	7.738 ng	#	62
49) Acenaphthylene	9.80	152	61519	3.297 ng		99
50) Dimethylphthalate	9.65	163	31215	2.123 ng		99
51) 2,6-Dinitrotoluene	9.95	165	27353	8.511 ng	#	23
71) Phenanthrene	11.46	178	591386	34.525 ng		97
72) Anthracene	11.52	178	170963	10.067 ng		96
75) Fluoranthene	12.66	202	960524	64.907 ng		99
78) Pyrene	12.90	202	1461689	71.467 ng		99
81) Benzo(a)anthracene	14.09	228	758353	45.346 ng		97
83) Chrysene	14.12	228	688790	42.504 ng		98
84) Bis(2-ethylhexyl)phthalate	14.06	149	449614	42.218 ng		97
86) Indeno(1,2,3-cd)pyrene	17.13	276	168478	12.215 ng		95
88) Benzo(b)fluoranthene	15.16	252	640145	44.983 ng		99
89) Benzo(k)fluoranthene	15.16	252	640145	47.741 ng		99
90) Benzo(a)pyrene	15.54	252	314593	25.140 ng		98
91) Dibenzo(a,h)anthracene	17.13	278	55493	5.152 ng		92
92) Benzo(a,h,i)perylene	17.59	276	169489	15.799 ng		100

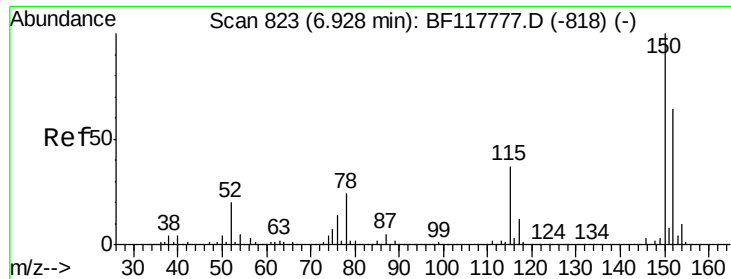
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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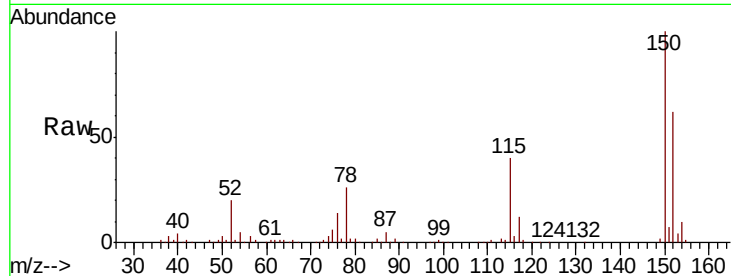


#1

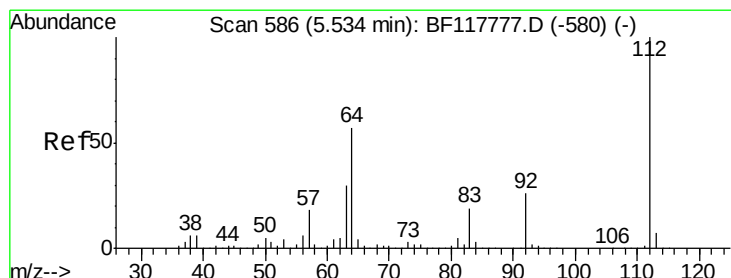
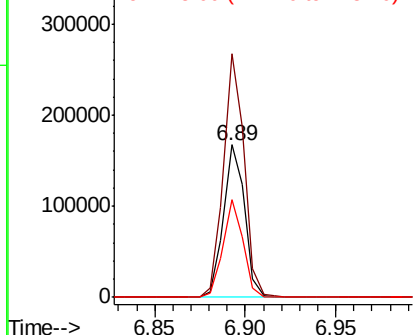
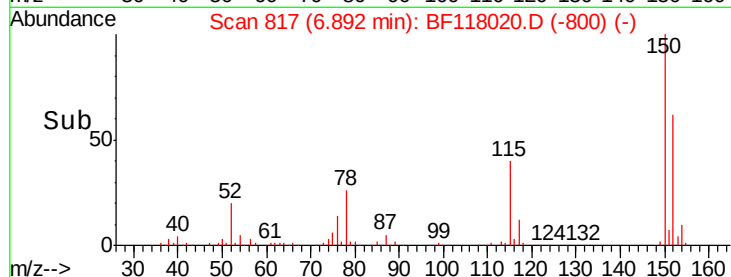
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.89 min Scan# 817
 Delta R.T. -0.00 min
 Lab File: BF118020.D
 Acq: 26 Nov 2019 21:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 135734
 Ion Ratio Lower Upper
 152 100
 150 160.0 125.3 187.9
 115 64.1 47.0 70.4



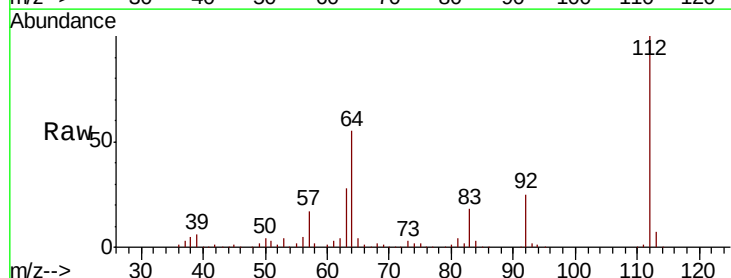
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



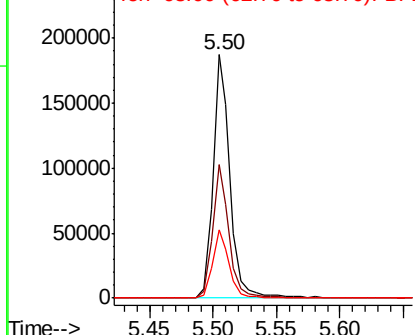
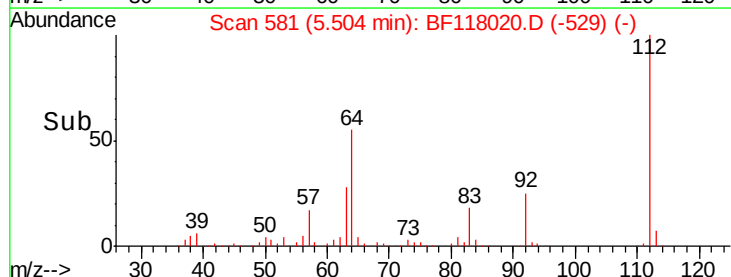
#5

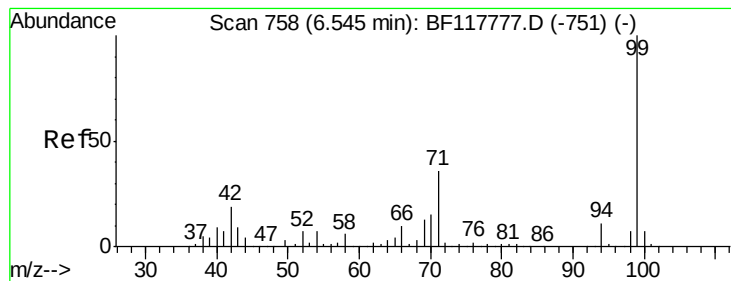
2-Fluorophenol
 Concen: 22.951 ng
 RT: 5.50 min Scan# 581
 Delta R.T. 0.01 min
 Lab File: BF118020.D
 Acq: 26 Nov 2019 21:16

Tgt Ion:112 Resp: 175995
 Ion Ratio Lower Upper
 112 100
 64 54.6 45.6 68.4
 63 28.2 24.1 36.1



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: 24.137 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF118020.D

Acq: 26 Nov 2019 21:16

Instrument :

BNA_F

ClientSampleId :

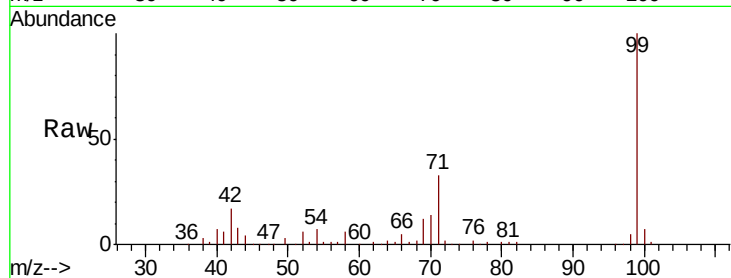
Tot Ion: 99 Resp: 223239

Ion Ratio Lower Upper

99 100

42 16.8 14.9 22.3

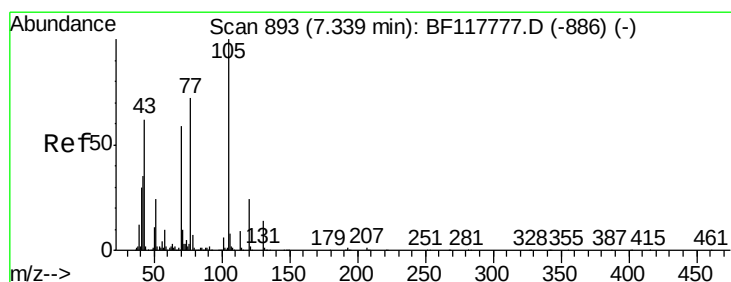
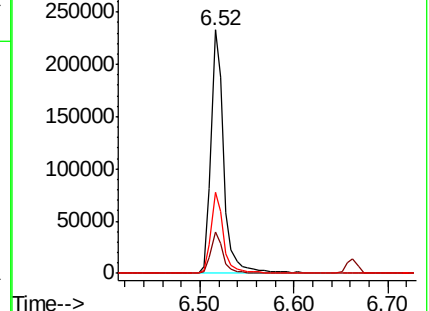
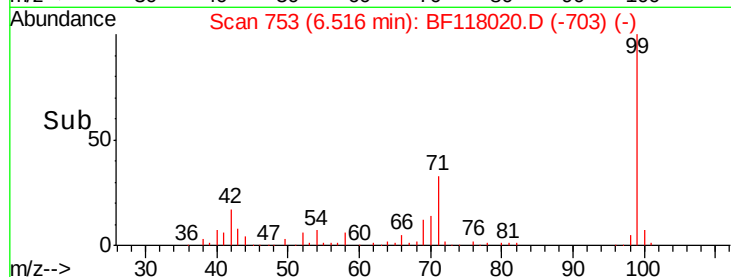
71 33.5 28.6 43.0



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: 2.629 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF118020.D

Acq: 26 Nov 2019 21:16

Tgt Ion: 70 Resp: 15001

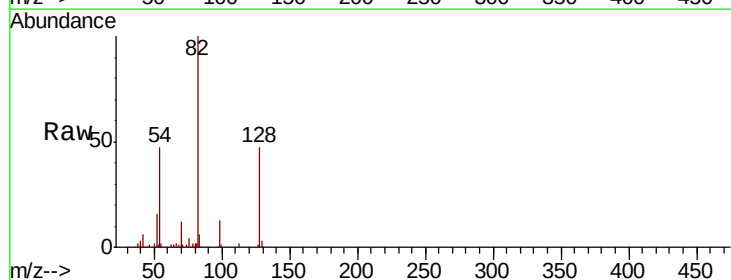
Ion Ratio Lower Upper

70 100

42 46.8 47.4 71.2#

101 0.0 8.4 12.6#

130 3.1 18.8 28.2#

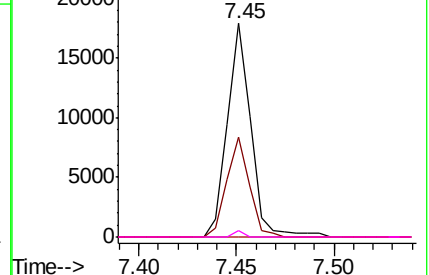
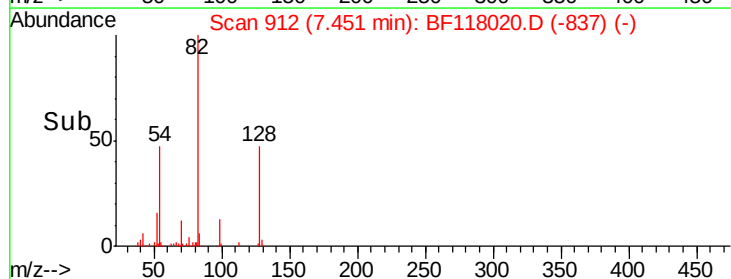


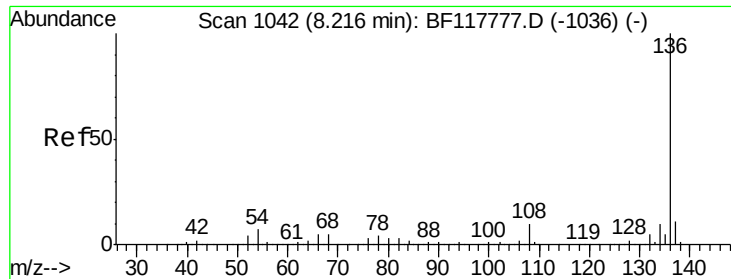
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

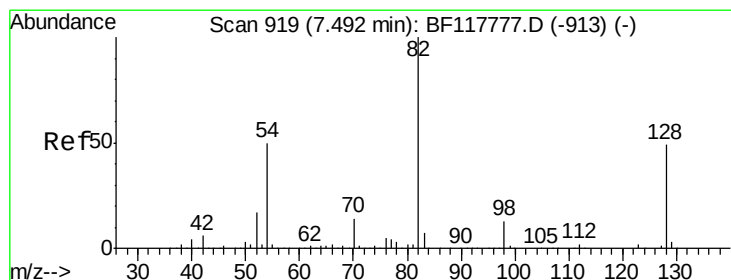
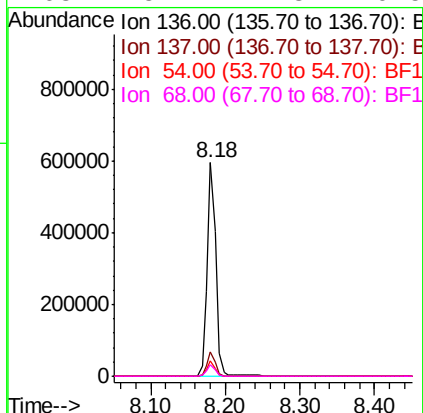
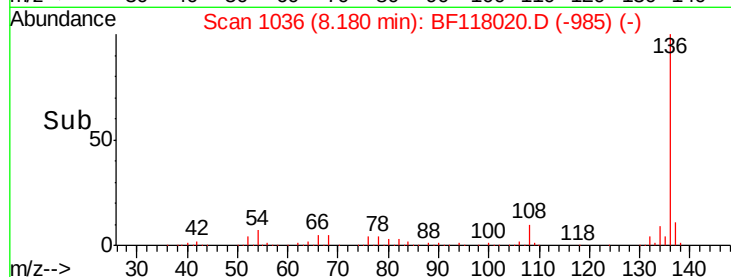
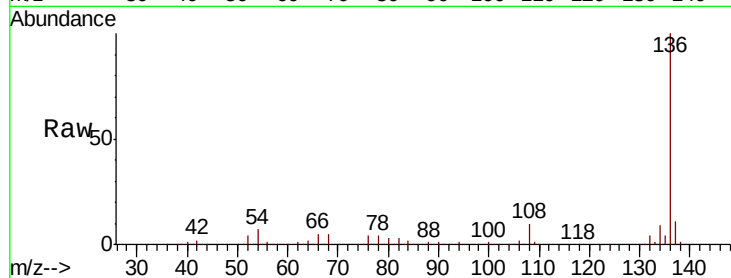




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BF118020.D
Acq: 26 Nov 2019 21:16

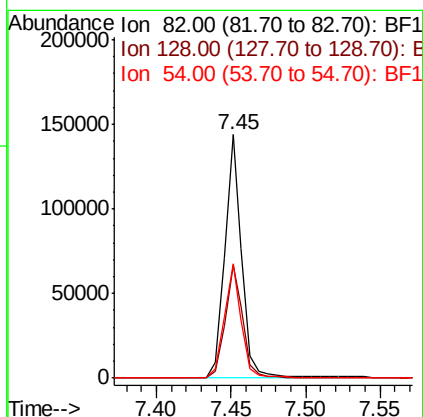
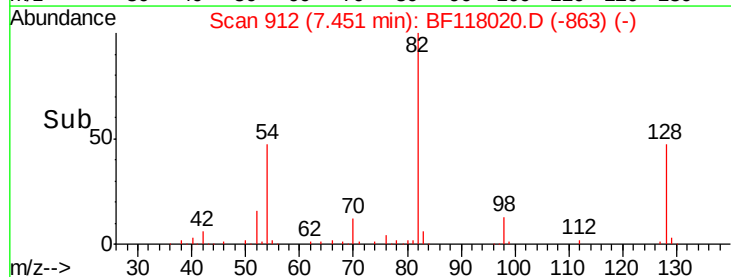
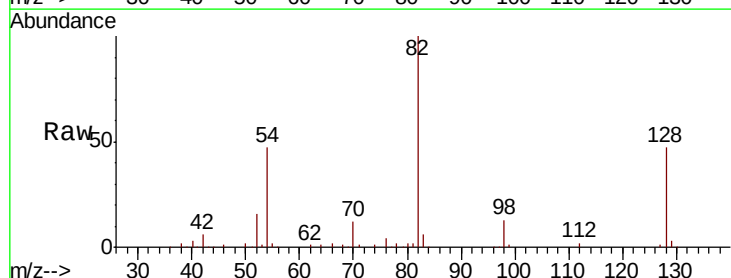
Instrument :
BNA_F
ClientSampleId :

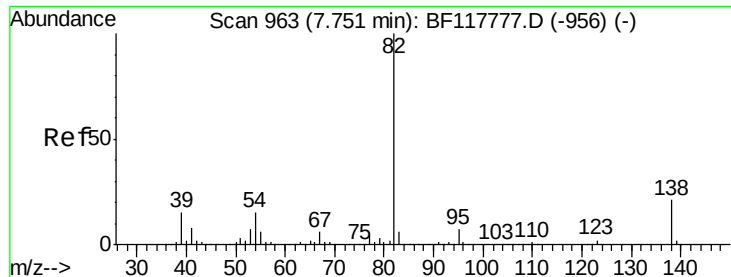
Tot Ion:136	Resp:	486946
Ion	Ratio	Lower Upper
136	100	
137	11.1	9.0 13.4
54	7.1	5.4 8.2
68	5.4	4.3 6.5



#23
Nitrobenzene-d5
Concen: 14.183 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF118020.D
Acq: 26 Nov 2019 21:16

Tgt Ion: 82	Resp:	116177
Ion	Ratio	Lower Upper
82	100	
128	46.7	38.9 58.3
54	46.9	39.8 59.6





#25

Isophorone

Concen: 7.738 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF118020.D

Acq: 26 Nov 2019 21:16

Instrument :

BNA_F

ClientSampleId :

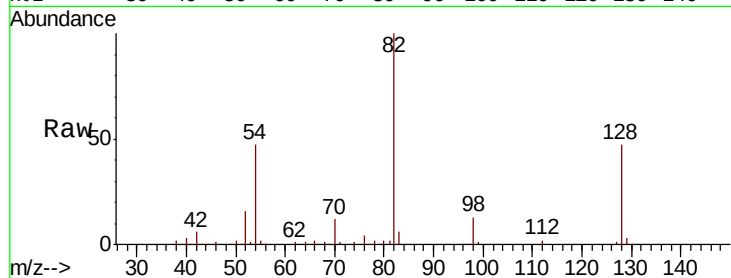
Tot Ion: 82 Resp: 116176

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

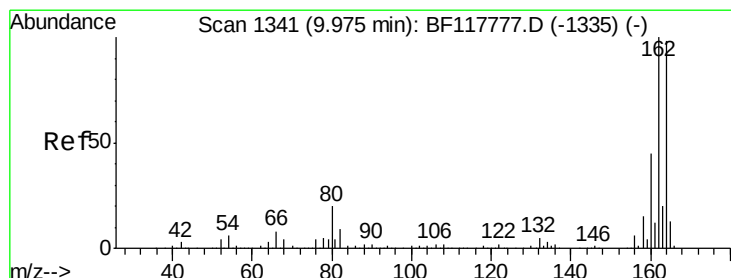
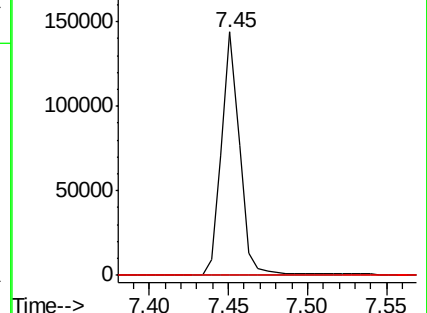
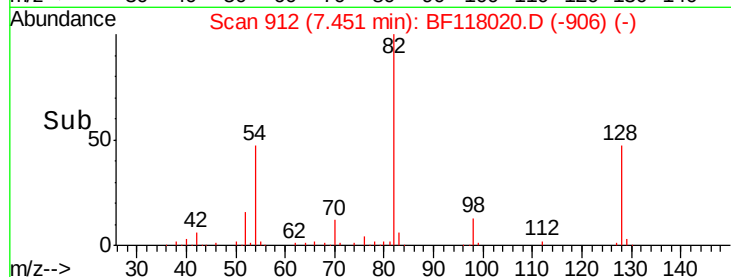
138 0.0 16.5 24.7#



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: 9.95 min Scan# 1336

Delta R.T. -0.00 min

Lab File: BF118020.D

Acq: 26 Nov 2019 21:16

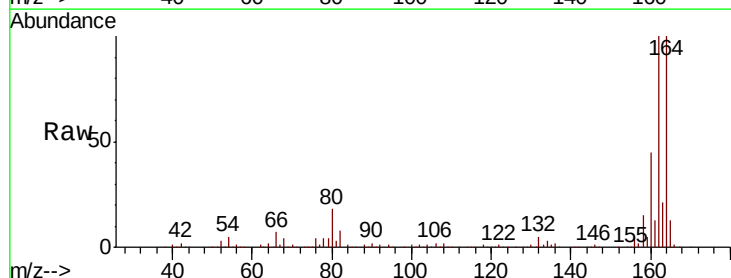
Tgt Ion: 164 Resp: 209698

Ion Ratio Lower Upper

164 100

162 100.3 81.3 121.9

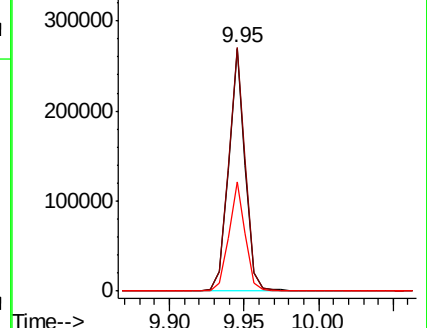
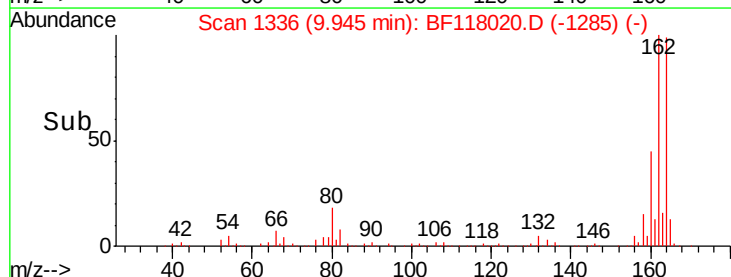
160 45.0 36.6 55.0

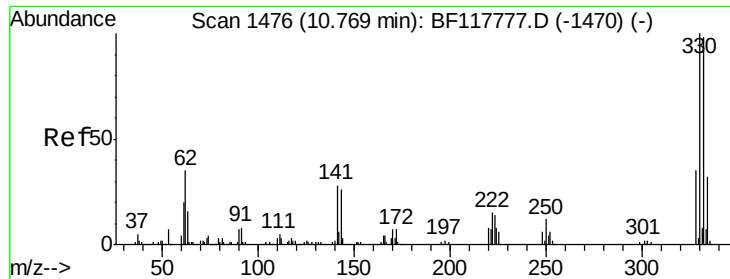


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 19.504 ng

RT: 10.73 min Scan# 1470

Delta R.T. -0.01 min

Lab File: BF118020.D

Acq: 26 Nov 2019 21:16

Instrument :

BNA_F

ClientSampleId :

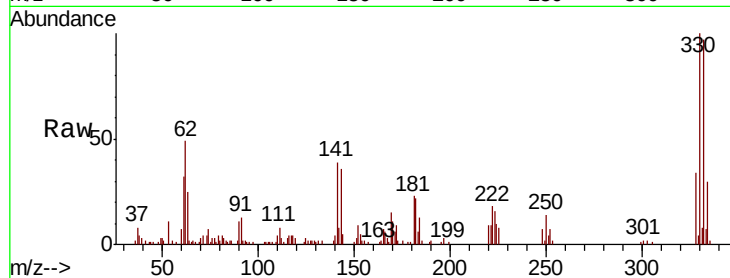
Tot Ion:330 Resp: 43299

Ion Ratio Lower Upper

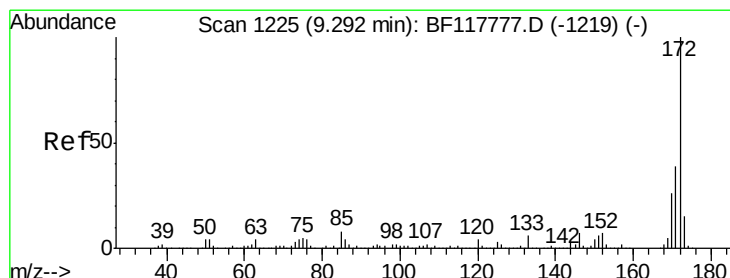
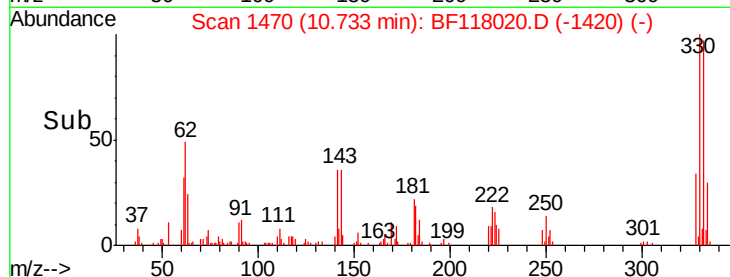
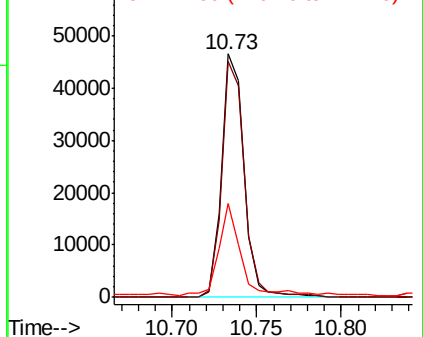
330 100

332 97.3 76.7 115.1

141 35.7 27.7 41.5



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: 16.555 ng

RT: 9.26 min Scan# 1219

Delta R.T. -0.01 min

Lab File: BF118020.D

Acq: 26 Nov 2019 21:16

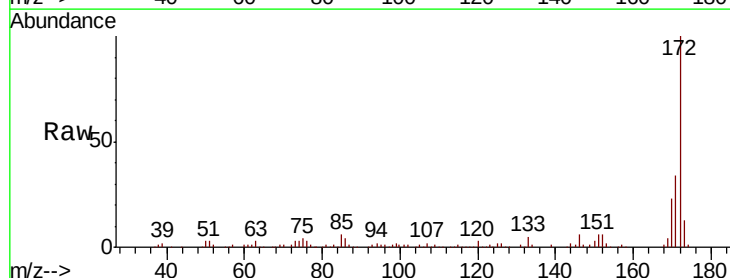
Tgt Ion:172 Resp: 193503

Ion Ratio Lower Upper

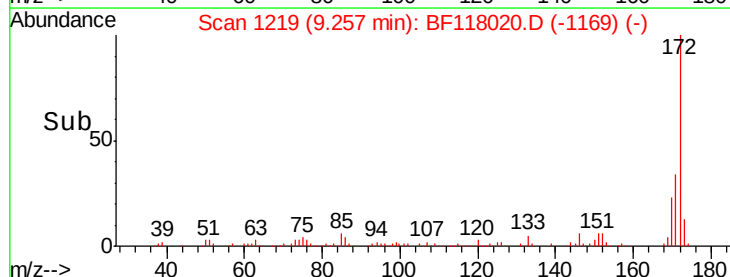
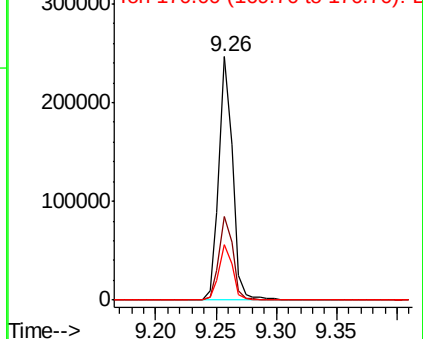
172 100

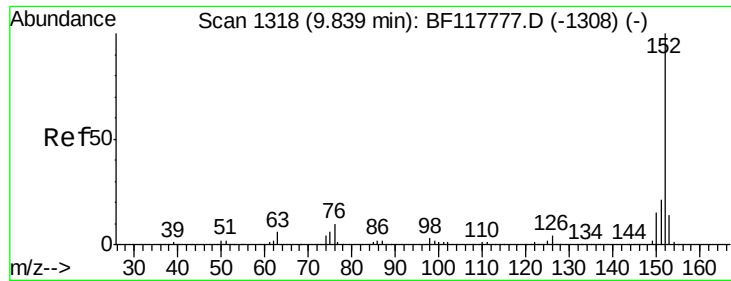
171 34.2 30.9 46.3

170 23.0 21.0 31.4



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





#49

Acenaphthylene

Concen: 3.297 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.00 min

Lab File: BF118020.D

Acq: 26 Nov 2019 21:16

Instrument :

BNA_F

ClientSampleId :

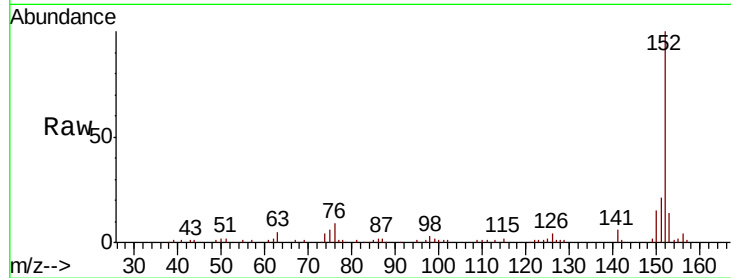
Tot Ion:152 Resp: 61519

Ion Ratio Lower Upper

152 100

151 20.7 17.0 25.6

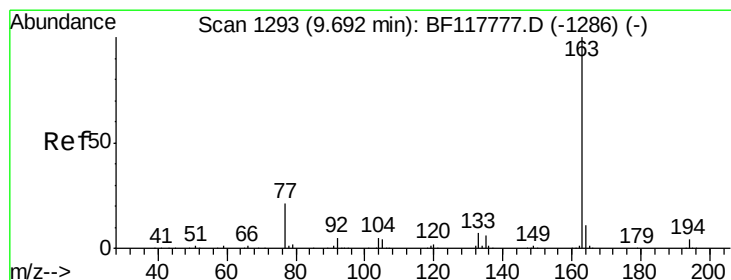
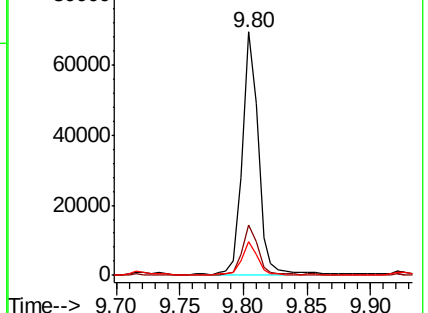
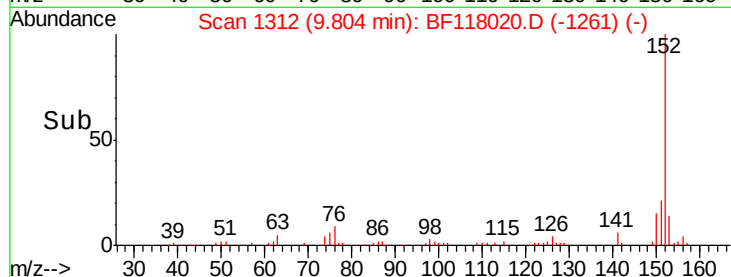
153 13.7 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 2.123 ng

RT: 9.65 min Scan# 1286

Delta R.T. -0.02 min

Lab File: BF118020.D

Acq: 26 Nov 2019 21:16

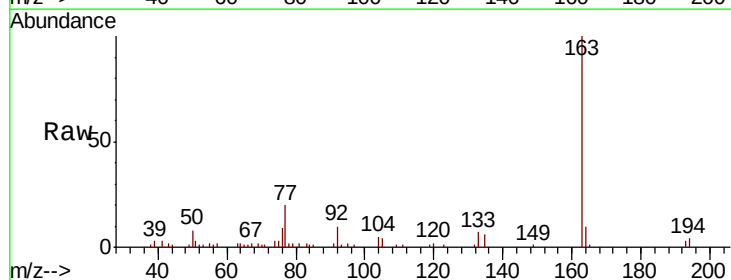
Tgt Ion:163 Resp: 31215

Ion Ratio Lower Upper

163 100

194 4.5 3.3 4.9

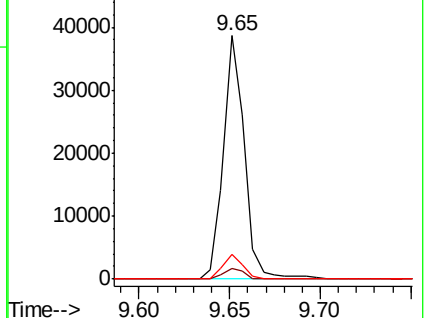
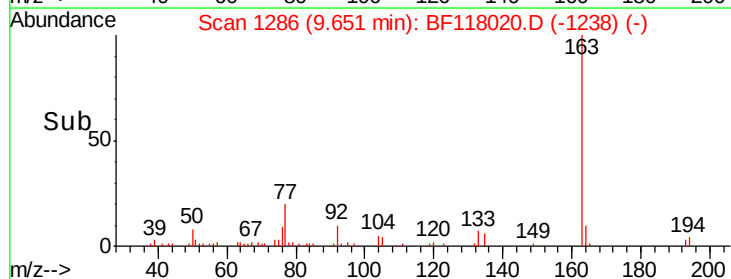
164 10.3 8.7 13.1

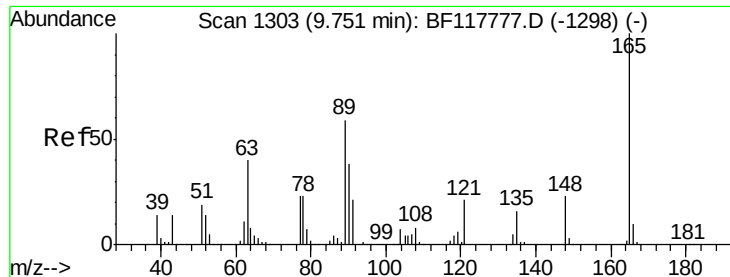


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 8.511 ng

RT: 9.95 min Scan# 1336

Delta R.T. 0.22 min

Lab File: BF118020.D

Acq: 26 Nov 2019 21:16

Instrument :

BNA_F

ClientSampleId :

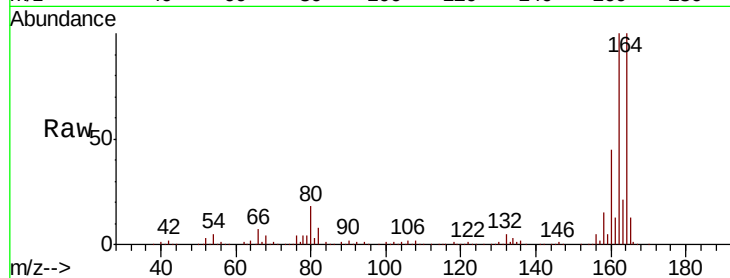
Tot Ion:165 Resp: 27353

Ion Ratio Lower Upper

165 100

63 1.0 46.0 69.0#

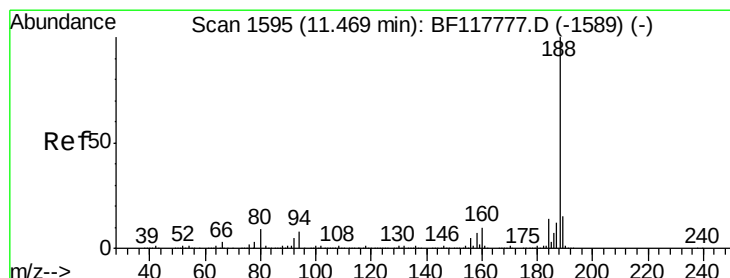
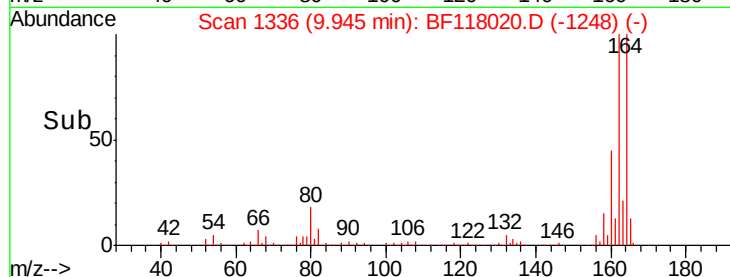
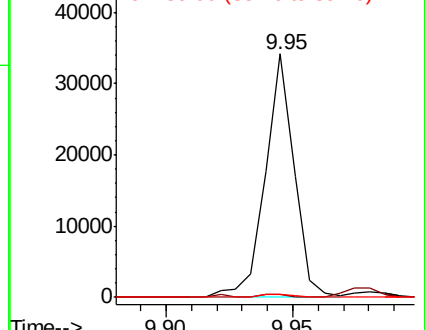
89 1.4 47.7 71.5#



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.44 min Scan# 1590

Delta R.T. 0.01 min

Lab File: BF118020.D

Acq: 26 Nov 2019 21:16

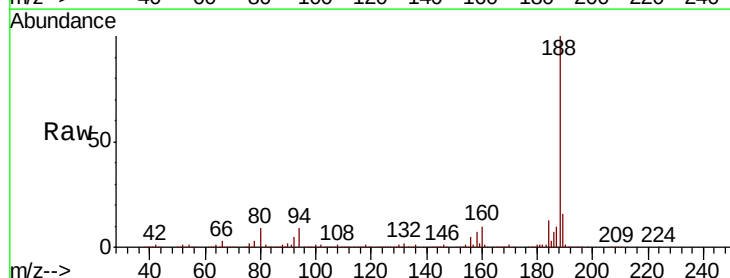
Tgt Ion:188 Resp: 340698

Ion Ratio Lower Upper

188 100

94 8.9 6.6 10.0

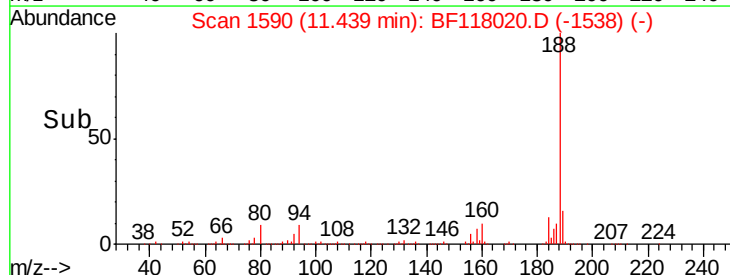
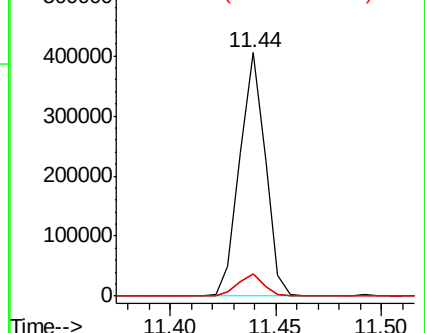
80 9.1 7.2 10.8

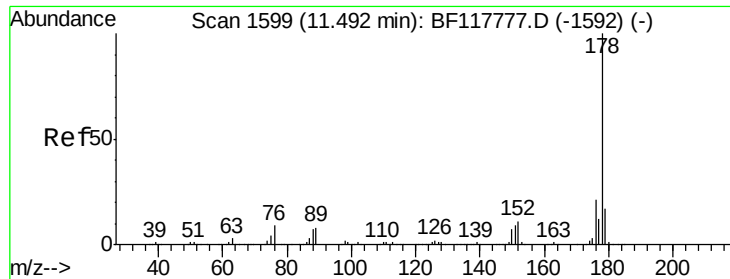


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

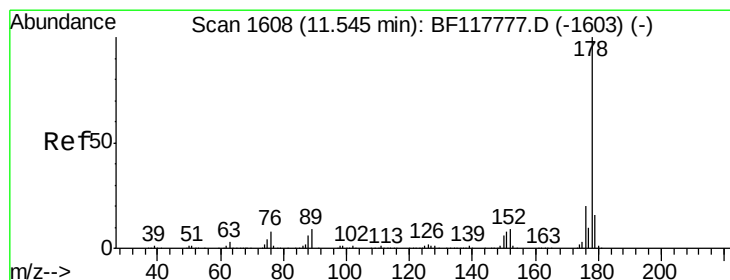
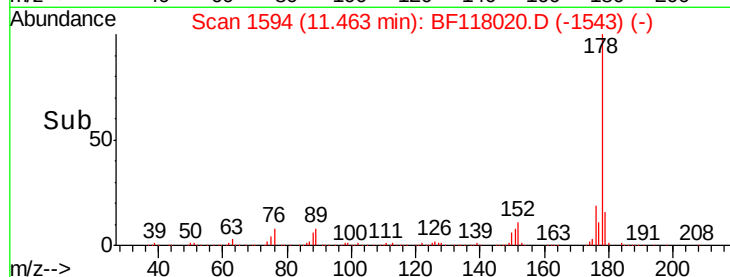
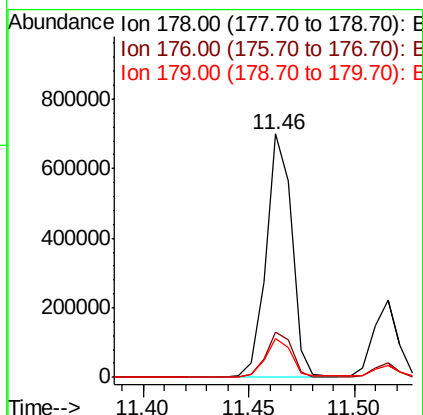
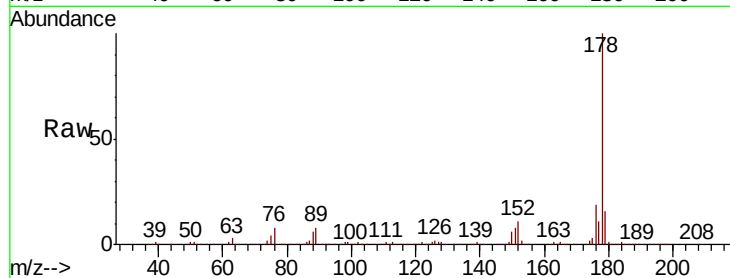




#71
Phenanthrene
Concen: 34.525 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.00 min
Lab File: BF118020.D
Acq: 26 Nov 2019 21:16

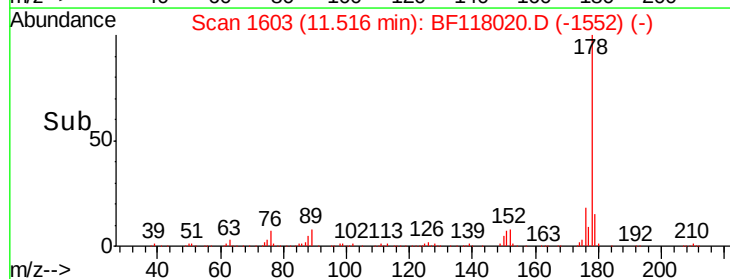
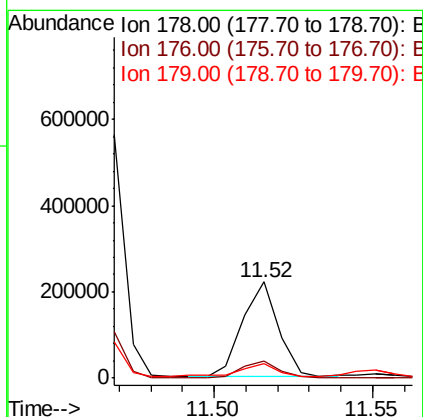
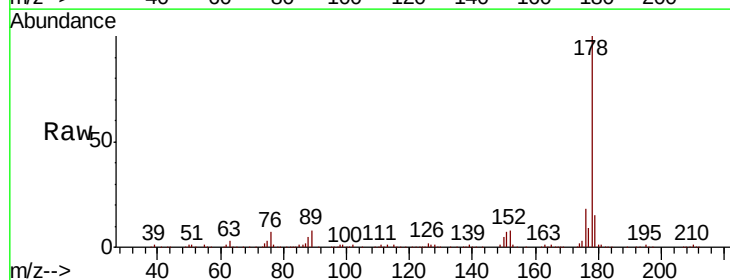
Instrument :
BNA_F
ClientSampleId :

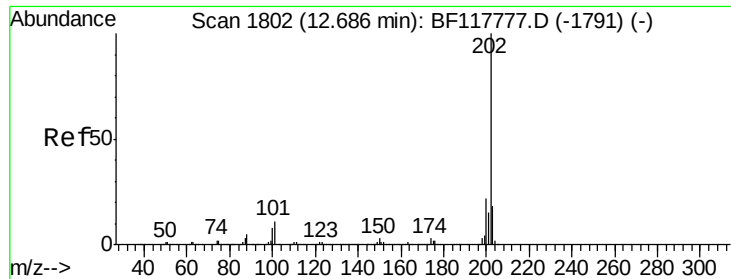
Tot Ion:178 Resp: 591386
Ion Ratio Lower Upper
178 100
176 18.8 16.6 25.0
179 15.8 13.2 19.8



#72
Anthracene
Concen: 10.067 ng
RT: 11.52 min Scan# 1603
Delta R.T. -0.00 min
Lab File: BF118020.D
Acq: 26 Nov 2019 21:16

Tgt Ion:178 Resp: 170963
Ion Ratio Lower Upper
178 100
176 18.1 16.1 24.1
179 14.9 13.0 19.4





#75

Fluoranthene

Concen: 64.907 ng

RT: 12.66 min Scan# 1798

Delta R.T. 0.01 min

Lab File: BF118020.D

Acq: 26 Nov 2019 21:16

Instrument :

BNA_F

ClientSampleId :

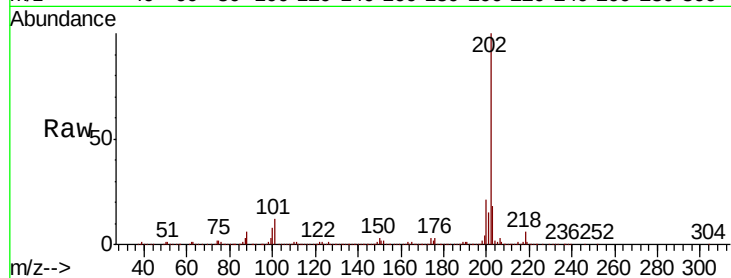
Tot Ion:202 Resp: 960524

Ion Ratio Lower Upper

202 100

101 11.9 0.0 31.1

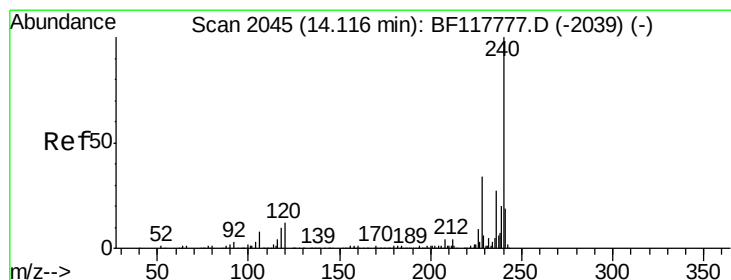
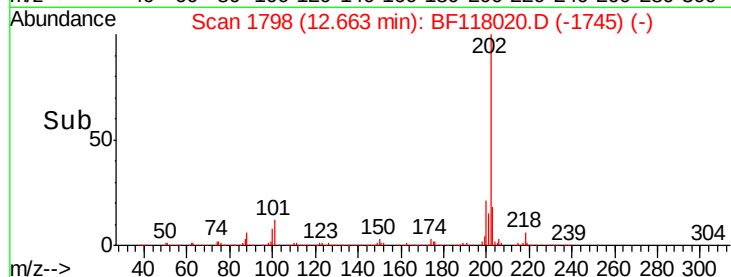
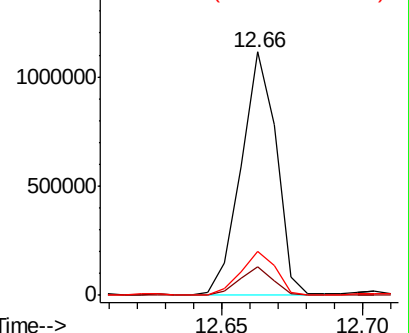
203 18.1 0.0 38.2



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: 14.10 min Scan# 2042

Delta R.T. 0.01 min

Lab File: BF118020.D

Acq: 26 Nov 2019 21:16

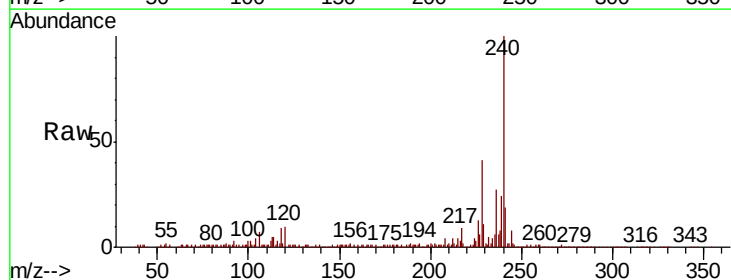
Tgt Ion:240 Resp: 253077

Ion Ratio Lower Upper

240 100

120 10.2 9.5 14.3

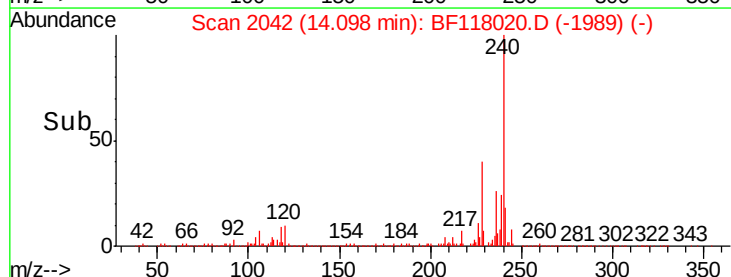
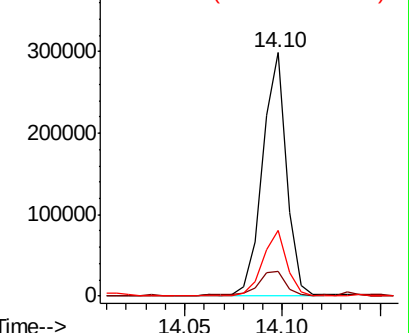
236 27.0 21.3 31.9

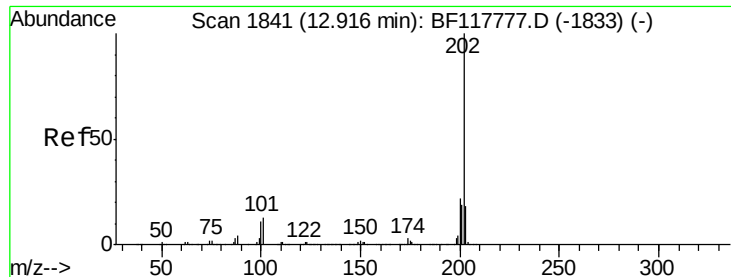


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

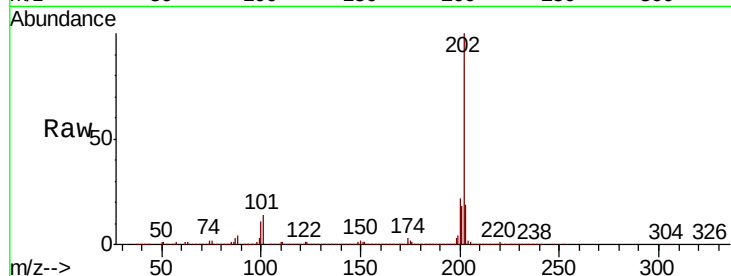




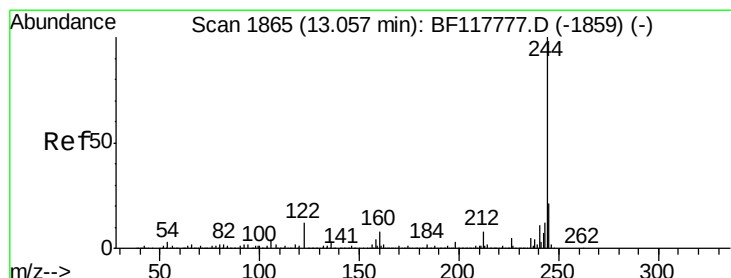
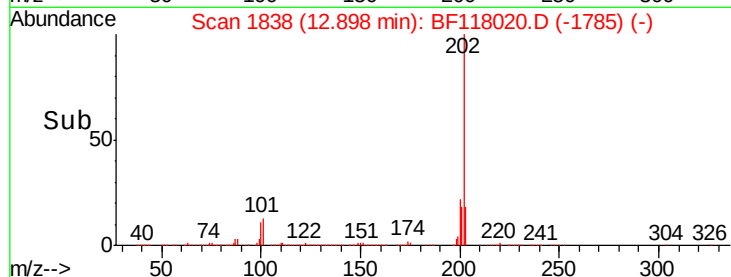
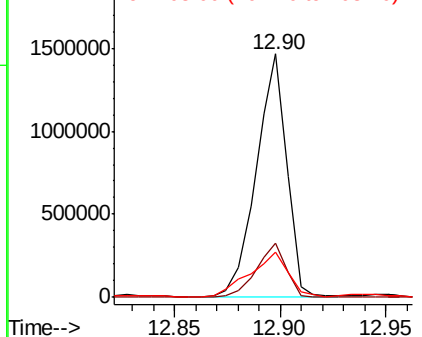
#78
Pvrene
Concen: 71.467 ng
RT: 12.90 min Scan# 1838
Delta R.T. 0.01 min
Lab File: BF118020.D
Acq: 26 Nov 2019 21:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 1461689
Ion Ratio Lower Upper
202 100
200 22.0 17.8 26.8
203 18.6 14.6 22.0

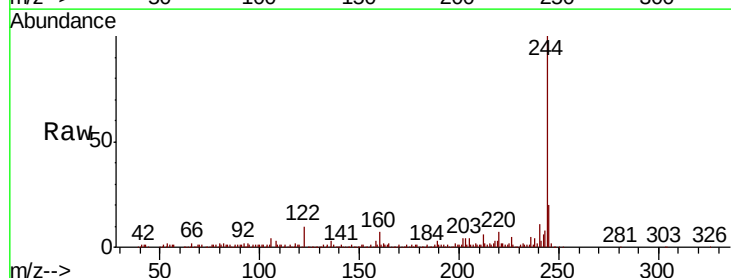


Abundance Ion 202.00 (201.70 to 202.70): E
2000000 Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

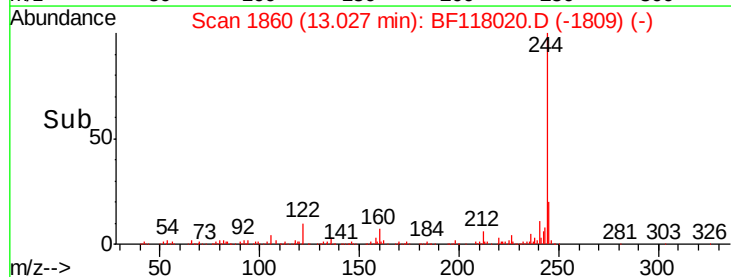
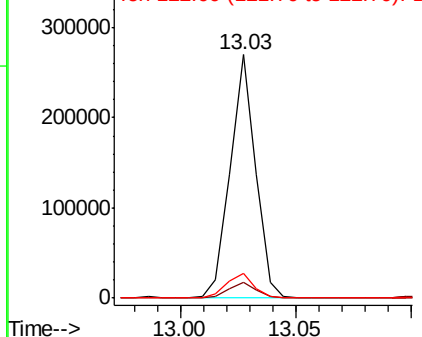


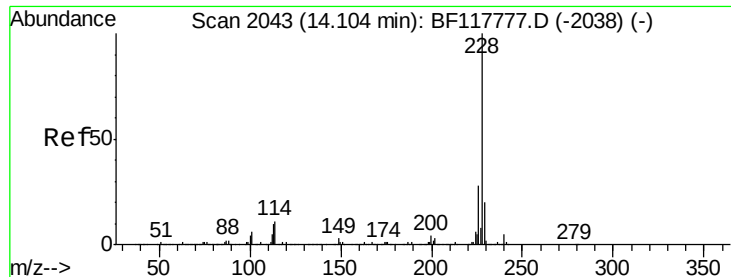
#79
Terphenyl-d14
Concen: 14.938 ng
RT: 13.03 min Scan# 1860
Delta R.T. -0.00 min
Lab File: BF118020.D
Acq: 26 Nov 2019 21:16

Tgt Ion:244 Resp: 206852
Ion Ratio Lower Upper
244 100
212 6.4 6.3 9.5
122 10.4 9.4 14.2



Abundance Ion 244.00 (243.70 to 244.70): E
300000 Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E

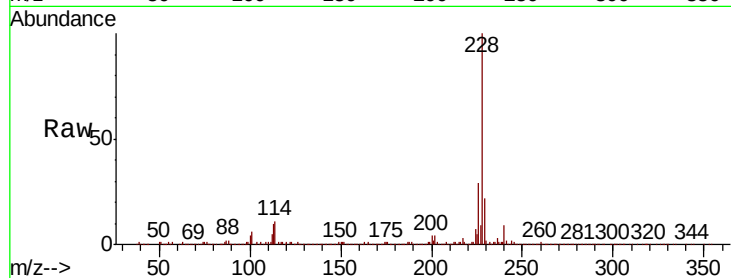




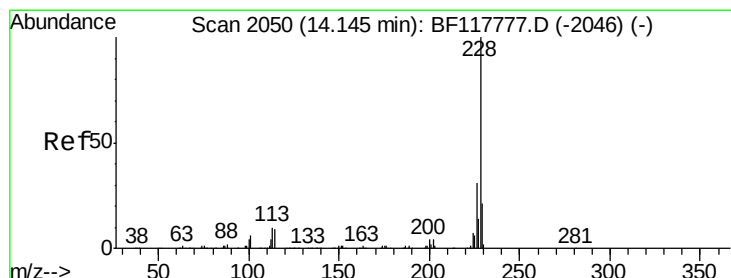
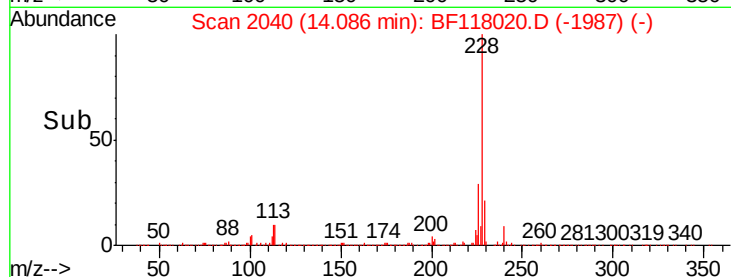
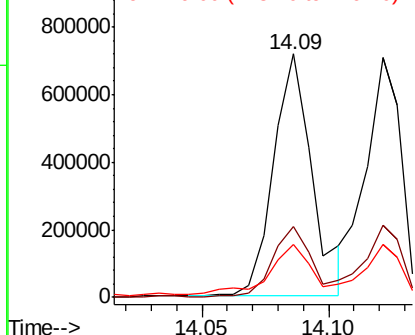
#81
Benzo(a)anthracene
Concen: 45.346 ng
RT: 14.09 min Scan# 2040
Delta R.T. 0.01 min
Lab File: BF118020.D
Acq: 26 Nov 2019 21:16

Instrument :
BNA_F
ClientSampled :

Tot Ion:228 Resp: 758353
Ion Ratio Lower Upper
228 100
226 29.3 22.2 33.2
229 21.6 15.9 23.9

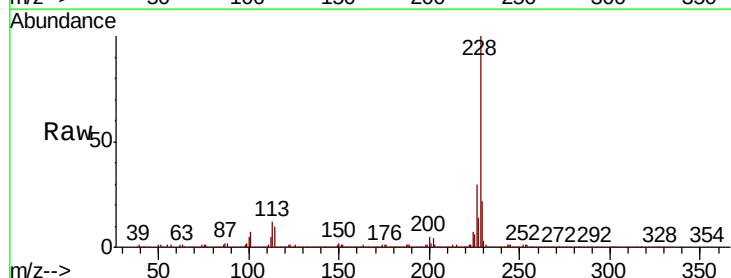


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

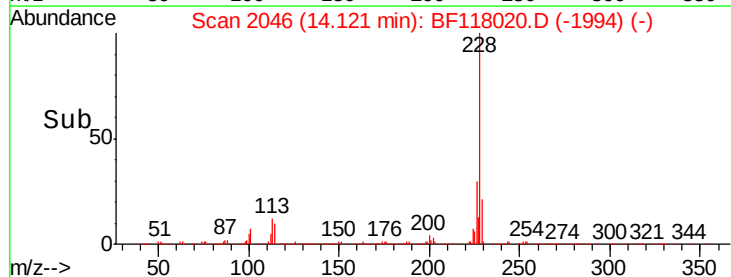
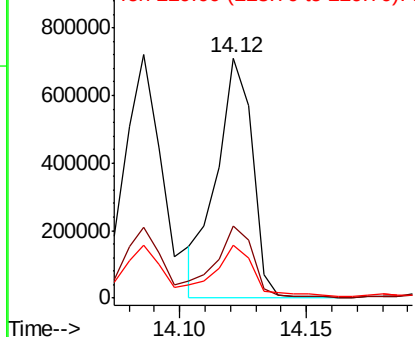


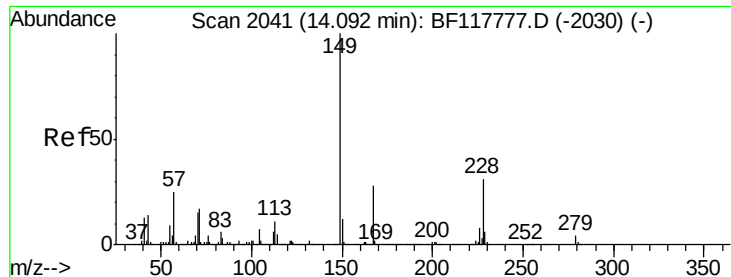
#83
Chrysene
Concen: 42.504 ng
RT: 14.12 min Scan# 2046
Delta R.T. 0.01 min
Lab File: BF118020.D
Acq: 26 Nov 2019 21:16

Tgt Ion:228 Resp: 688790
Ion Ratio Lower Upper
228 100
226 30.0 25.0 37.4
229 21.9 16.6 25.0



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





#84

Bis(2-ethylhexyl)phthalate

Concen: 42.218 ng

RT: 14.06 min Scan# 2036

Delta R.T. 0.01 min

Lab File: BF118020.D

Acq: 26 Nov 2019 21:16

Instrument :

BNA_F

ClientSampleId :

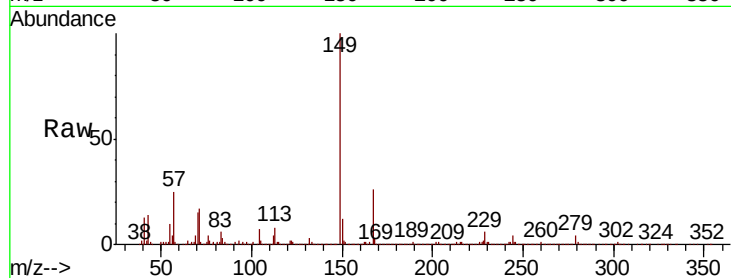
Tot Ion:149 Resp: 449614

Ion Ratio Lower Upper

149 100

167 25.8 22.2 33.2

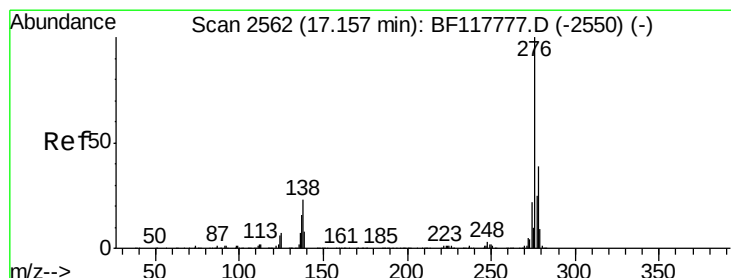
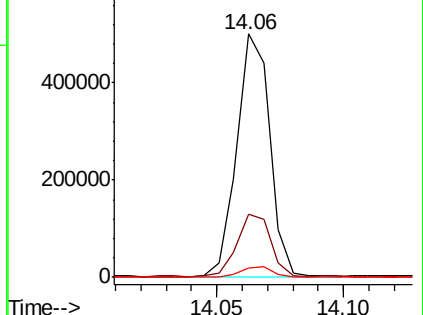
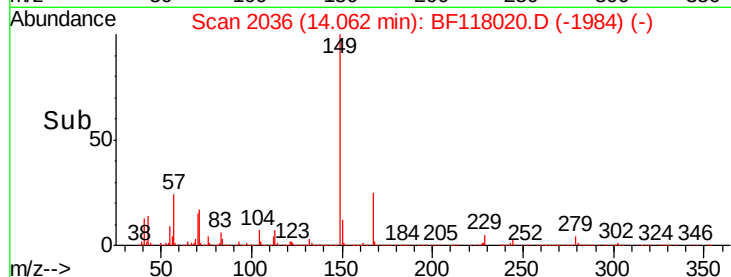
279 3.7 3.4 5.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 12.215 ng

RT: 17.13 min Scan# 2557

Delta R.T. 0.03 min

Lab File: BF118020.D

Acq: 26 Nov 2019 21:16

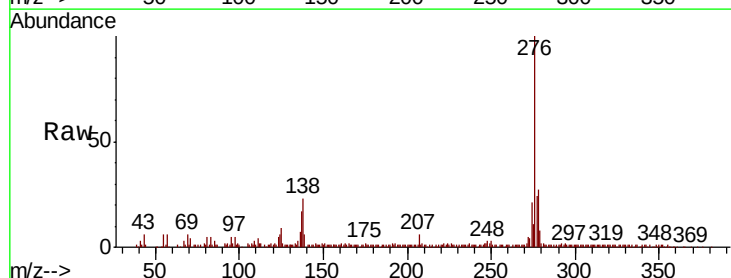
Tgt Ion:276 Resp: 168478

Ion Ratio Lower Upper

276 100

138 22.6 20.9 31.3

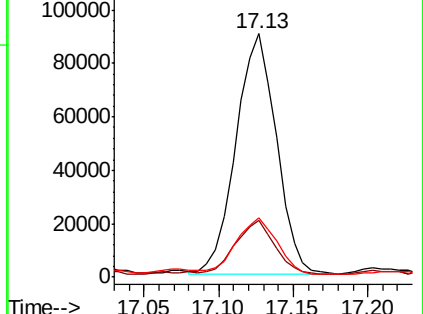
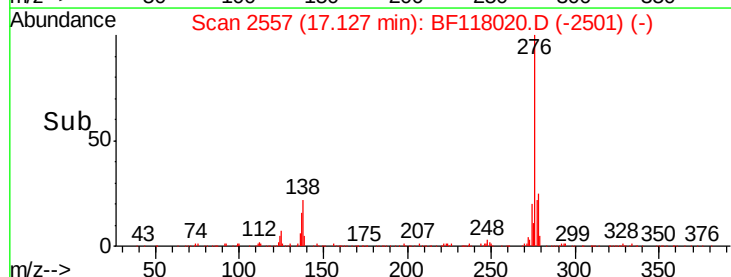
277 24.2 20.3 30.5

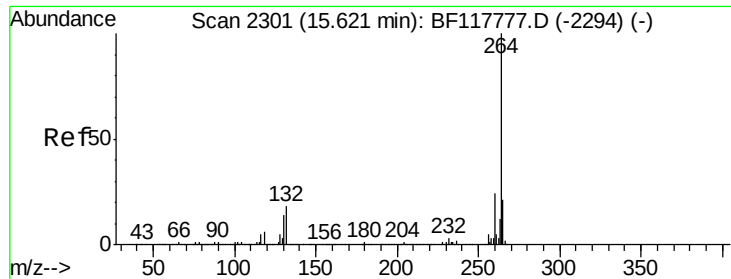


Abundance Ion 276.00 (275.70 to 276.70): E

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: 15.60 min Scan# 2297

Delta R.T. 0.02 min

Lab File: BF118020.D

Acq: 26 Nov 2019 21:16

Instrument :

BNA_F

ClientSampleId :

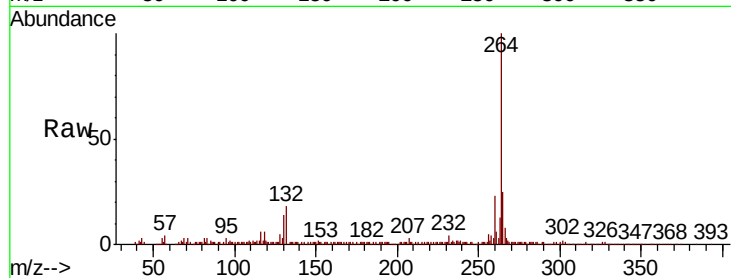
Tot Ion:264 Resp: 219037

Ion Ratio Lower Upper

264 100

260 23.5 19.4 29.0

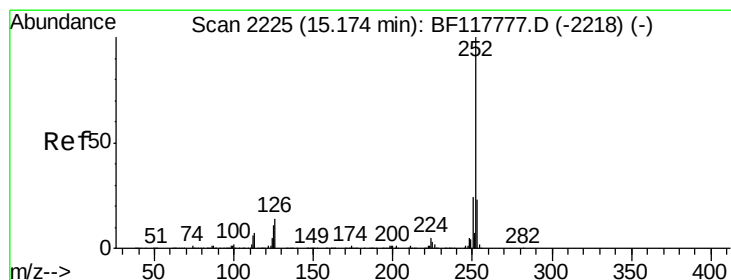
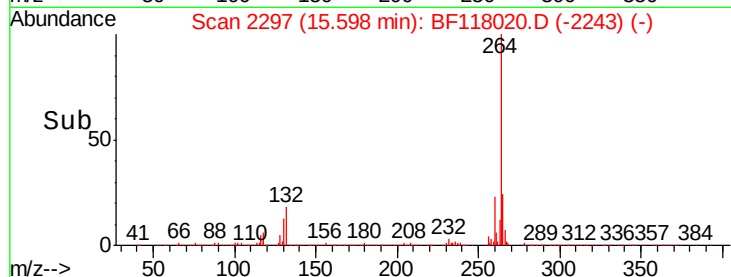
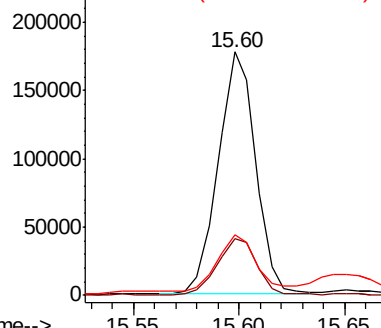
265 24.7 17.1 25.7



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: 44.983 ng

RT: 15.16 min Scan# 2222

Delta R.T. 0.02 min

Lab File: BF118020.D

Acq: 26 Nov 2019 21:16

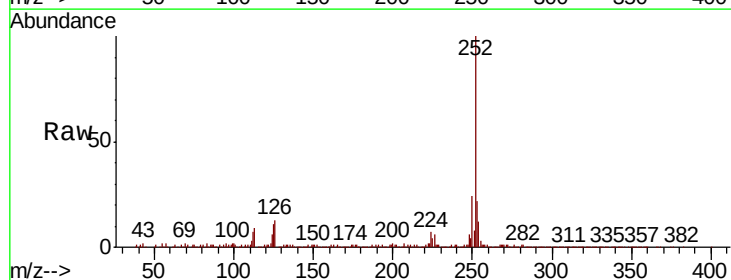
Tgt Ion:252 Resp: 640145

Ion Ratio Lower Upper

252 100

253 21.8 18.0 27.0

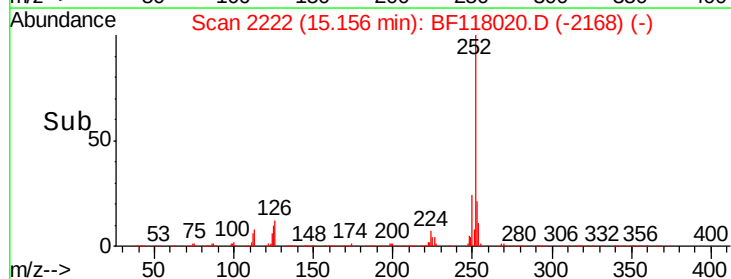
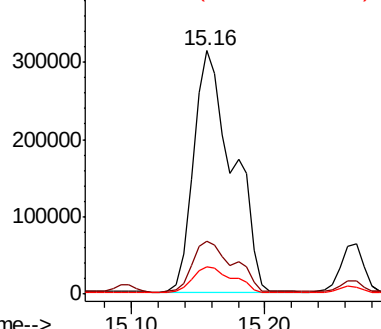
125 11.2 8.6 13.0

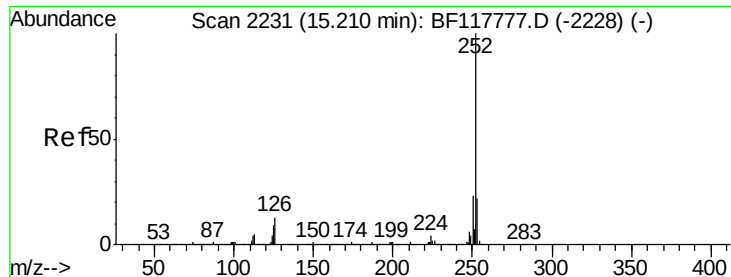


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

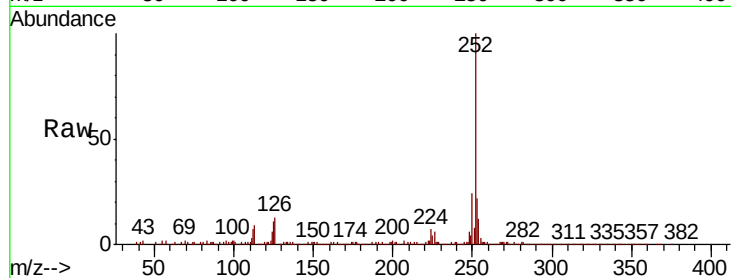




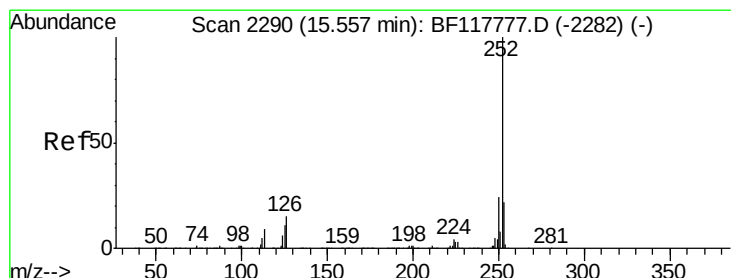
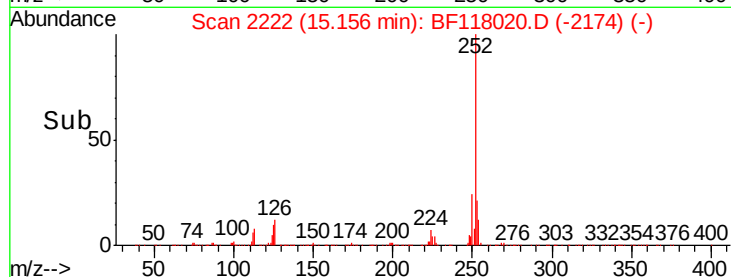
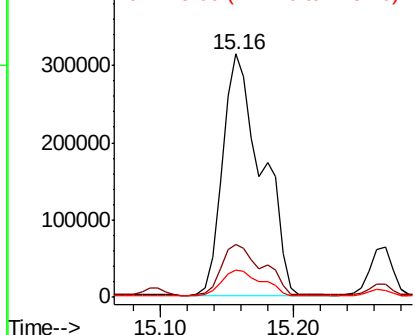
#89
Benzo(k)fluoranthene
Concen: 47.741 ng
RT: 15.16 min Scan# 2222
Delta R.T. -0.02 min
Lab File: BF118020.D
Acq: 26 Nov 2019 21:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 640145
Ion Ratio Lower Upper
252 100
253 21.8 17.5 26.3
125 11.2 7.9 11.9

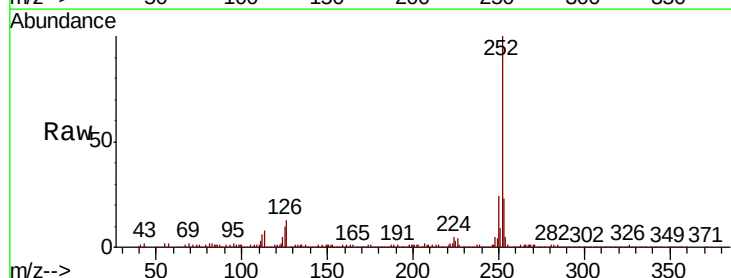


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

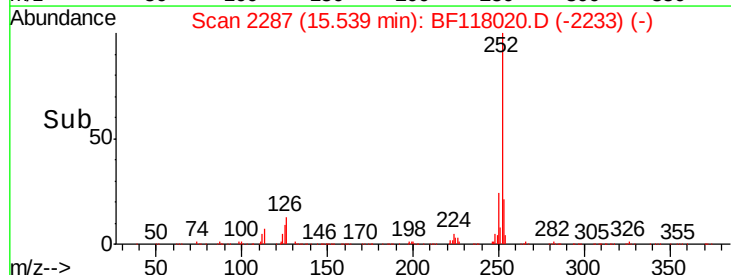
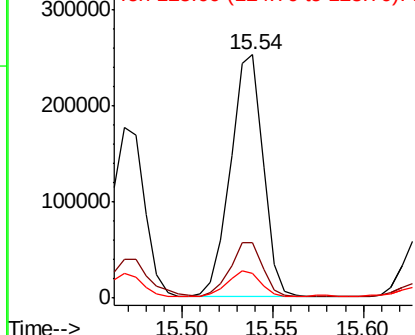


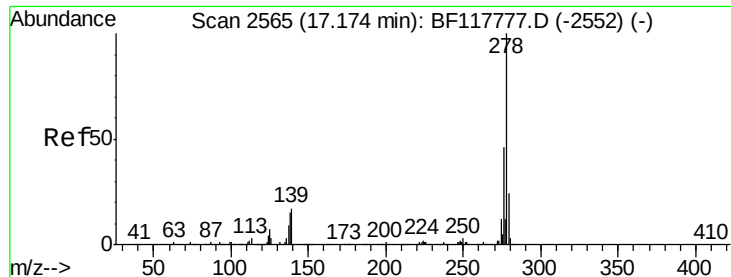
#90
Benzo(a)pyrene
Concen: 25.140 ng
RT: 15.54 min Scan# 2287
Delta R.T. 0.02 min
Lab File: BF118020.D
Acq: 26 Nov 2019 21:16

Tgt Ion:252 Resp: 314593
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.6
125 10.1 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

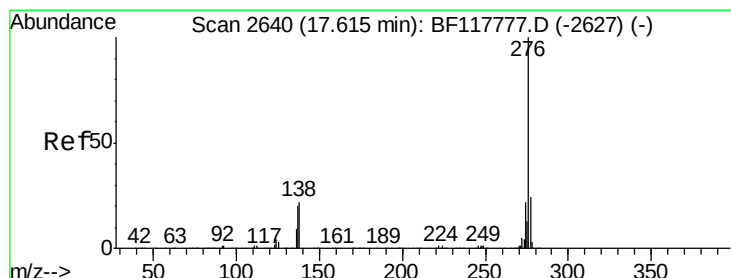
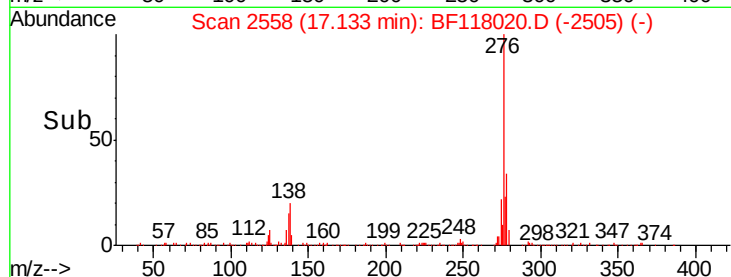
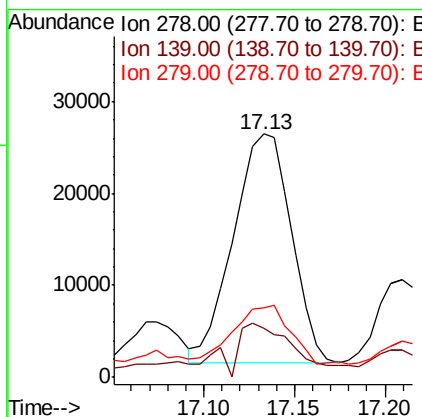
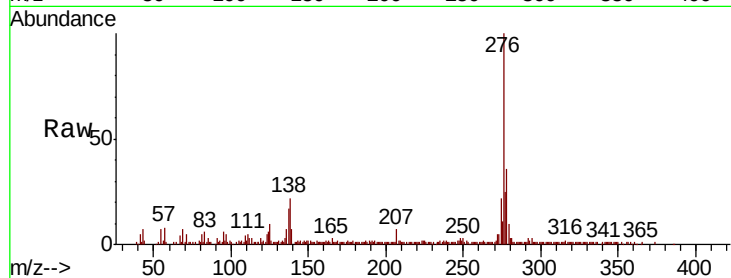




#91
Dibenzo(a,h)anthracene
Concen: 5.152 ng
RT: 17.13 min Scan# 2558
Delta R.T. 0.01 min
Lab File: BF118020.D
Acq: 26 Nov 2019 21:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
278	100		
139	20.2	13.8	20.8
279	28.6	19.6	29.4



#92
Benzo(g,h,i)perylene
Concen: 15.799 ng
RT: 17.59 min Scan# 2636
Delta R.T. 0.04 min
Lab File: BF118020.D
Acq: 26 Nov 2019 21:16

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.9	28.3
138	21.9	17.4	26.2

