

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100819\
 Data File : BF117352.D
 Acq On : 8 Oct 2019 20:30
 Operator : JU
 Sample : K5147-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 09 01:31:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 09 01:26:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	44953	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	186903	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	90948	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	130347	20.00	ng	0.00
76) Chrysene-d12	13.97	240	93700	20.00	ng	0.00
87) Perylene-d12	15.43	264	85376	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	108573	37.71	ng	0.00
7) Phenol-d6	6.44	99	168583	45.30	ng	-0.01
23) Nitrobenzene-d5	7.36	82	98664	27.74	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	25187	33.14	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	198017	34.04	ng	-0.01
79) Terphenyl-d14	12.90	244	153934	30.71	ng	0.00

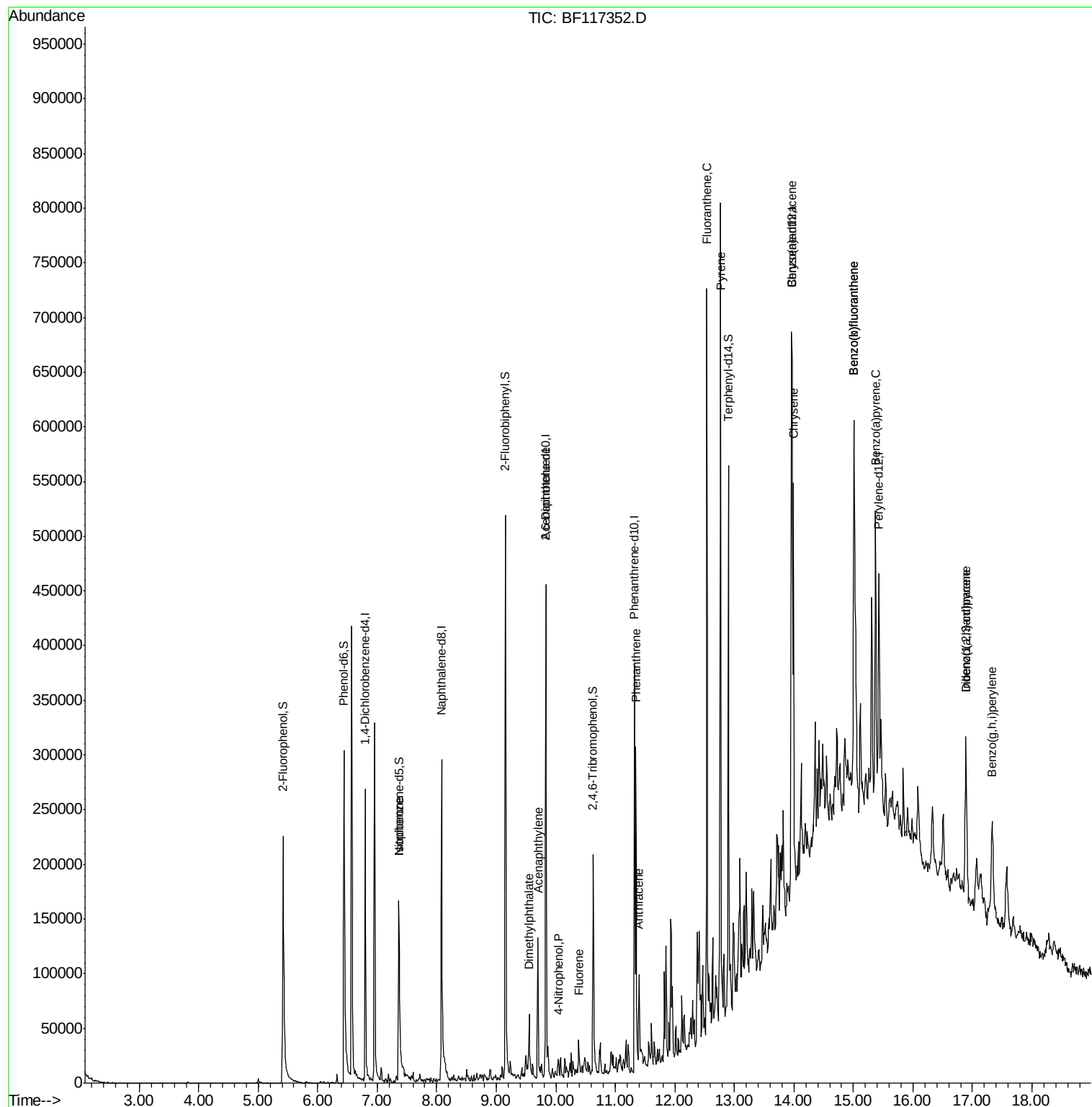
Target Compounds				Qvalue		
9) Benzaldehyde	6.57	77	3156	Below Cal	#	63
25) Isophorone	7.36	82	98664	15.665	ng	# 66
49) Acenaphthylene	9.70	152	65318	7.744	ng	99
50) Dimethylphthalate	9.55	163	21653	3.362	ng	97
51) 2,6-Dinitrotoluene	9.83	165	11763	8.969	ng	# 24
56) 4-Nitrophenol	10.05	139	2475	2.308	ng	# 4
58) Fluorene	10.39	166	12177	2.049	ng	99
71) Phenanthrene	11.35	178	110538	14.930	ng	99
72) Anthracene	11.40	178	43907	5.809	ng	98
75) Fluoranthene	12.54	202	271252	35.657	ng	98
78) Pyrene	12.77	202	273572	34.796	ng	99
81) Benzo(a)anthracene	13.96	228	164438	26.267	ng	97
83) Chrysene	13.99	228	151410	24.798	ng	98
86) Indeno(1,2,3-cd)pyrene	16.89	276	76836	17.249	ng	94
88) Benzo(b)fluoranthene	15.01	252	255469	49.399	ng	# 97
89) Benzo(k)fluoranthene	15.01	252	255469	52.149	ng	# 97
90) Benzo(a)pyrene	15.37	252	131644	29.009	ng	97
91) Dibenzo(a,h)anthracene	16.89	278	18404	5.091	ng	# 88
92) Benzo(a,h,i)perylene	17.33	276	65576	18.203	ng	97

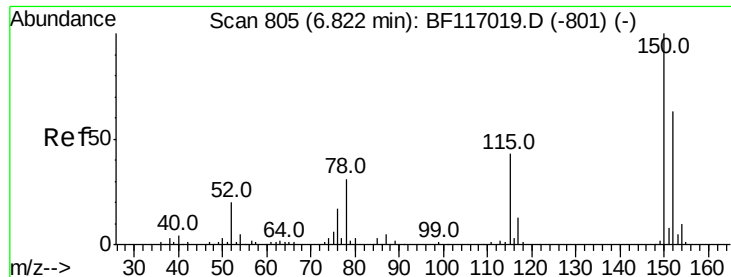
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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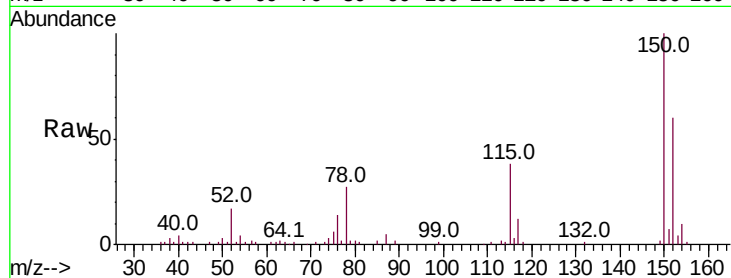


#1

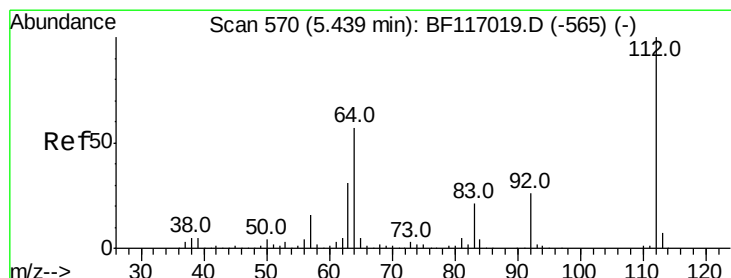
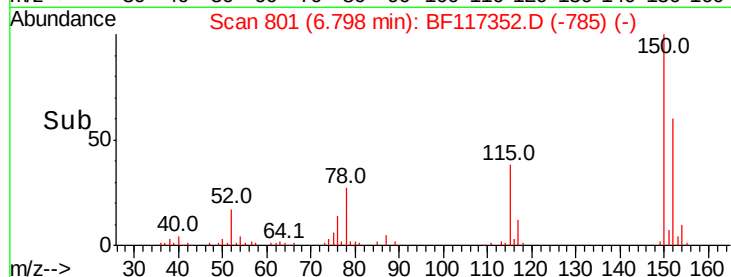
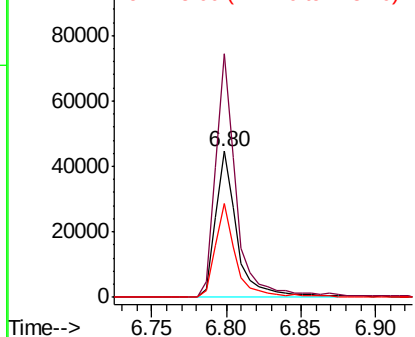
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF117352.D
Acq: 8 Oct 2019 20:30

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 44953
Ion Ratio Lower Upper
152 100
150 166.9 127.5 191.3
115 64.2 55.0 82.4



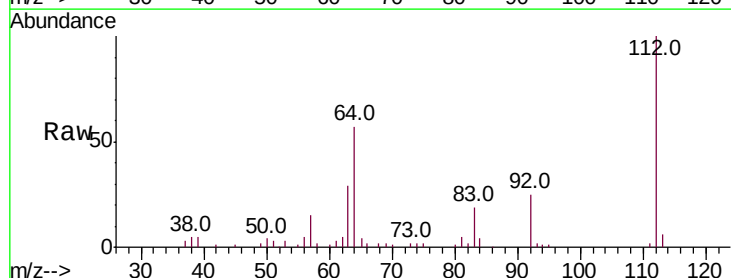
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



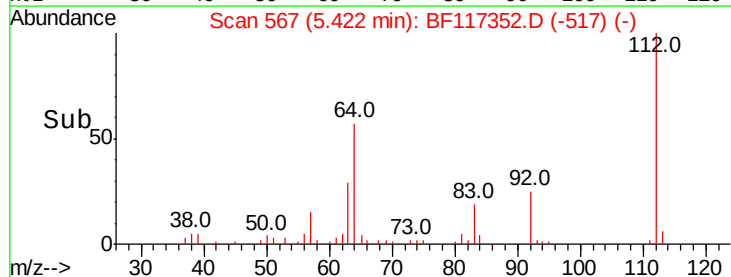
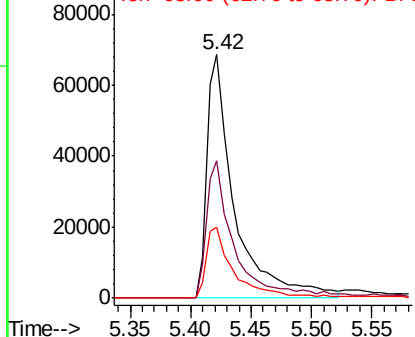
#5

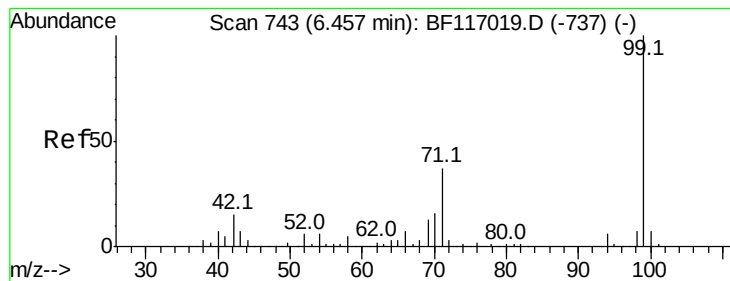
2-Fluorophenol
Concen: 37.708 ng
RT: 5.42 min Scan# 567
Delta R.T. -0.01 min
Lab File: BF117352.D
Acq: 8 Oct 2019 20:30

Tgt Ion:112 Resp: 108573
Ion Ratio Lower Upper
112 100
64 56.6 45.7 68.5
63 29.2 24.9 37.3



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: 45.305 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF117352.D

Acq: 8 Oct 2019 20:30

Instrument :

BNA_F

ClientSampleId :

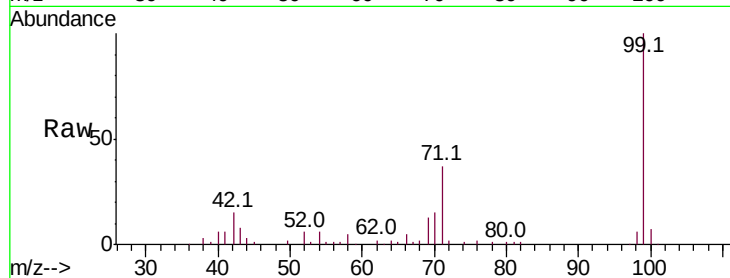
Tot Ion: 99 Resp: 168583

Ion Ratio Lower Upper

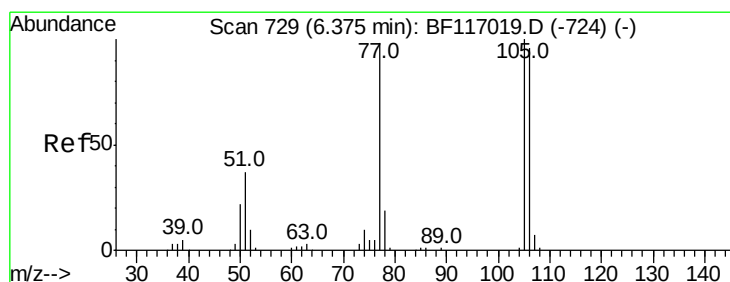
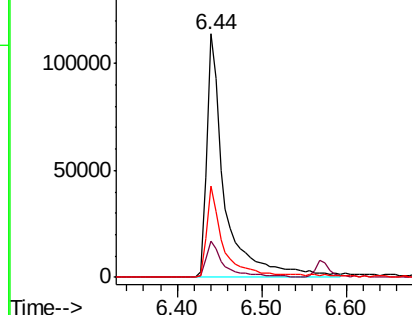
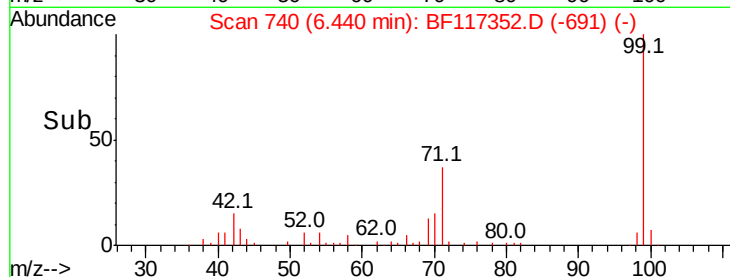
99 100

42 15.0 12.2 18.2

71 37.3 29.8 44.8



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



#9

Benzaldehyde

Concen: Below Cal

RT: 6.57 min Scan# 763

Delta R.T. 0.22 min

Lab File: BF117352.D

Acq: 8 Oct 2019 20:30

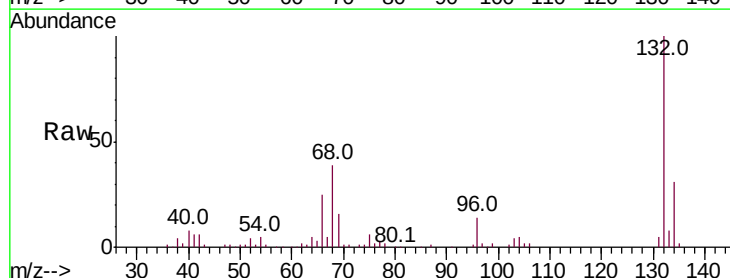
Tgt Ion: 77 Resp: 3156

Ion Ratio Lower Upper

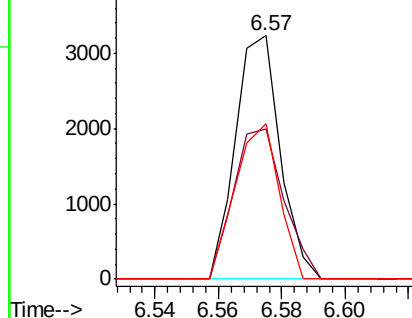
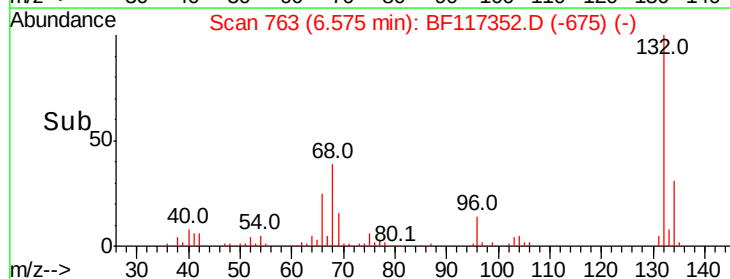
77 100

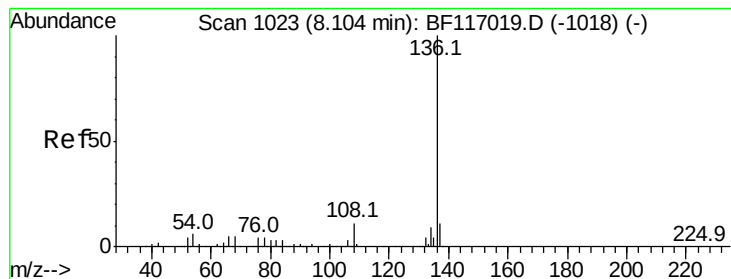
105 61.5 81.8 121.8#

106 63.6 77.3 117.3#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF117352.D

Acq: 8 Oct 2019 20:30

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 186903

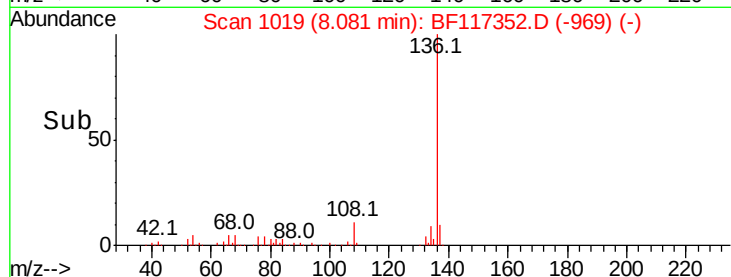
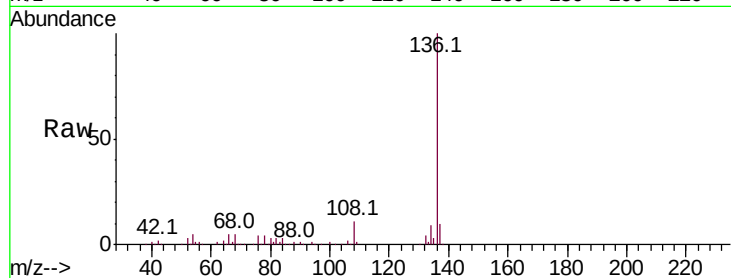
Ion Ratio Lower Upper

136 100

137 10.3 9.0 13.4

54 5.0 4.5 6.7

68 5.3 4.0 6.0

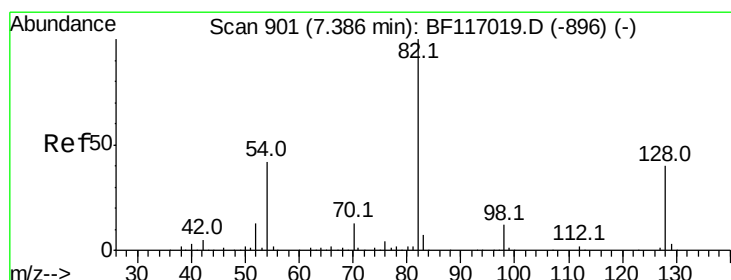
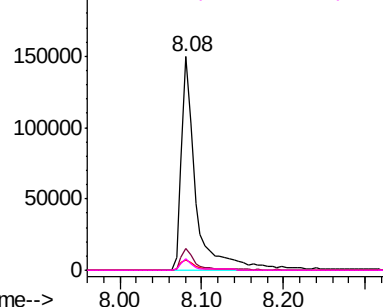


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 27.737 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.01 min

Lab File: BF117352.D

Acq: 8 Oct 2019 20:30

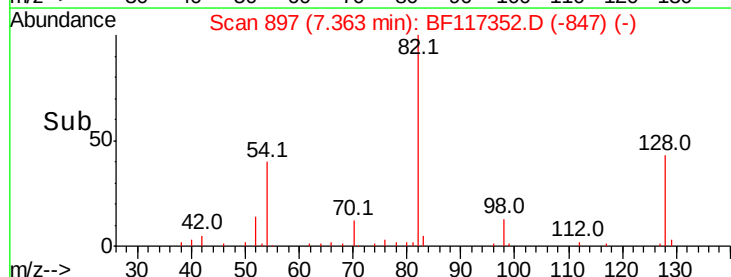
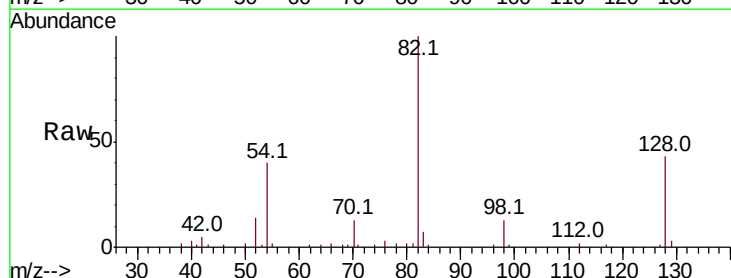
Tgt Ion: 82 Resp: 98664

Ion Ratio Lower Upper

82 100

128 42.5 32.3 48.5

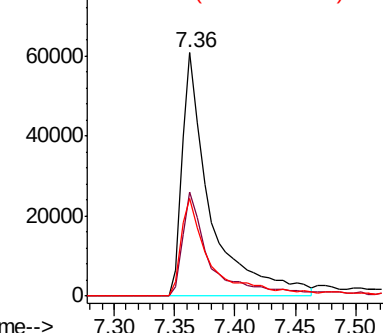
54 40.3 33.3 49.9

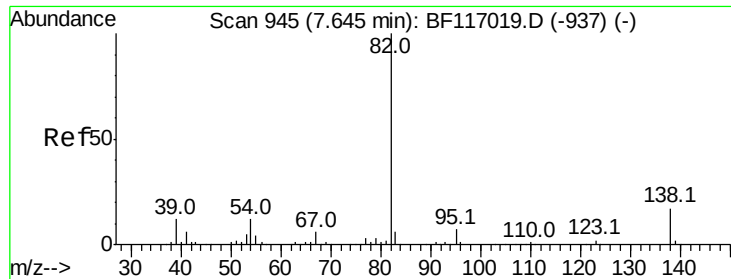


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 15.665 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF117352.D

Acq: 8 Oct 2019 20:30

Instrument :

BNA_F

ClientSampleId :

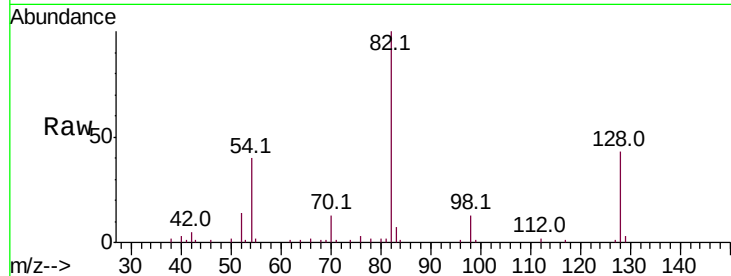
Tot Ion: 82 Resp: 98664

Ion Ratio Lower Upper

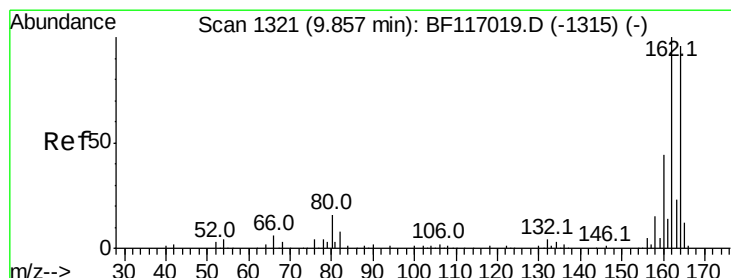
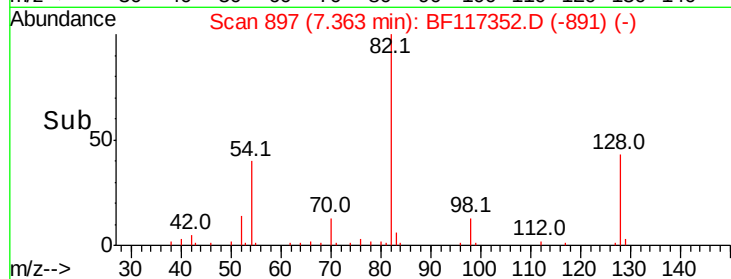
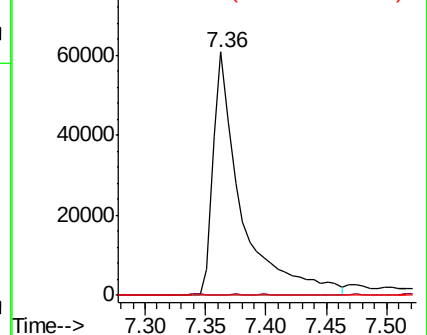
82 100

95 0.0 5.8 8.6#

138 0.0 13.5 20.3#



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: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF117352.D

Acq: 8 Oct 2019 20:30

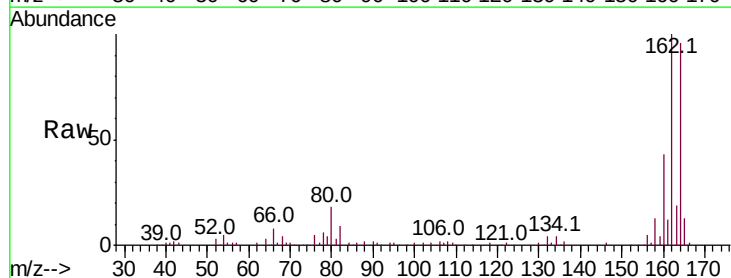
Tgt Ion: 164 Resp: 90948

Ion Ratio Lower Upper

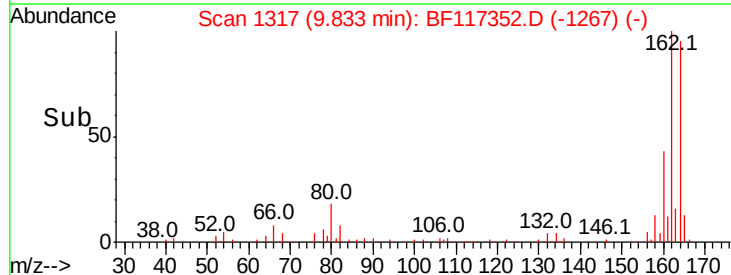
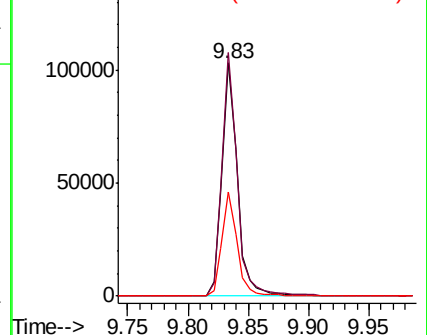
164 100

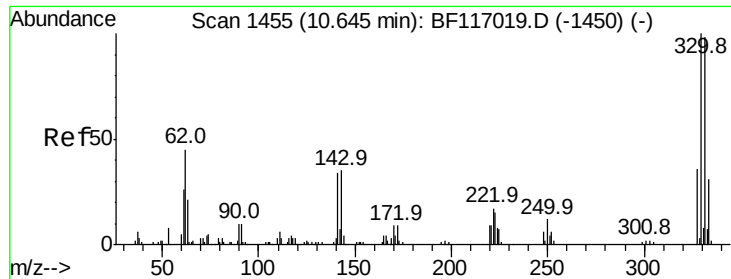
162 104.4 83.4 125.2

160 44.8 36.4 54.6



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

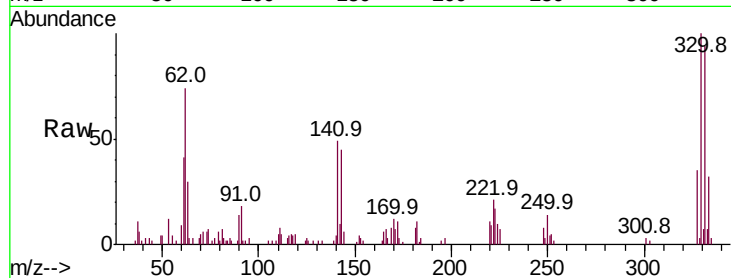




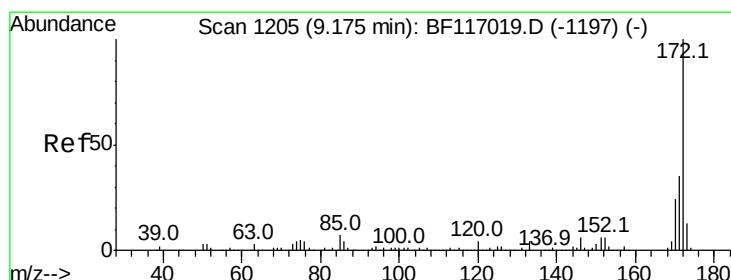
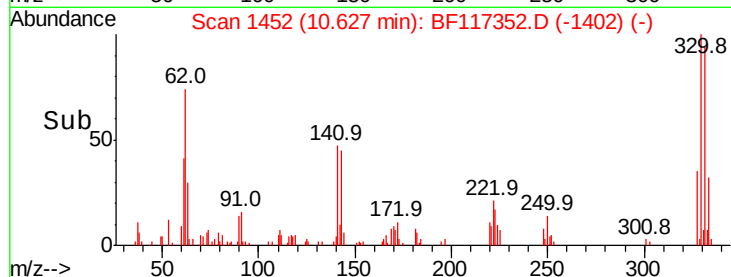
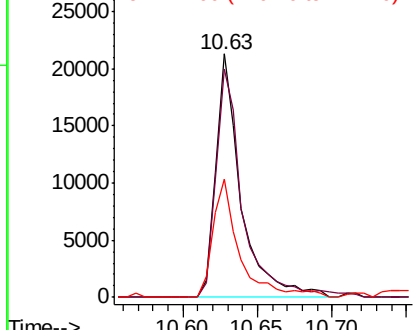
#42
 2,4,6-Tribromophenol
 Concen: 33.136 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF117352.D
 Acq: 8 Oct 2019 20:30

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 25187
 Ion Ratio Lower Upper
 330 100
 332 100.4 78.0 117.0
 141 50.7 35.8 53.6

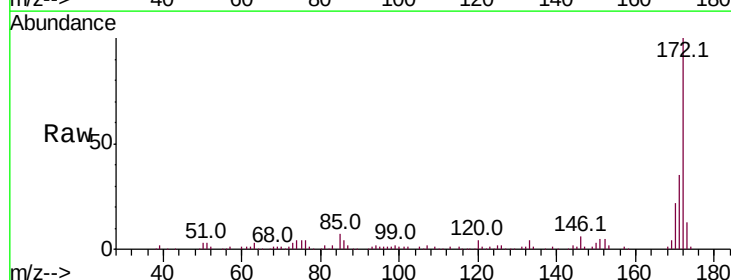


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

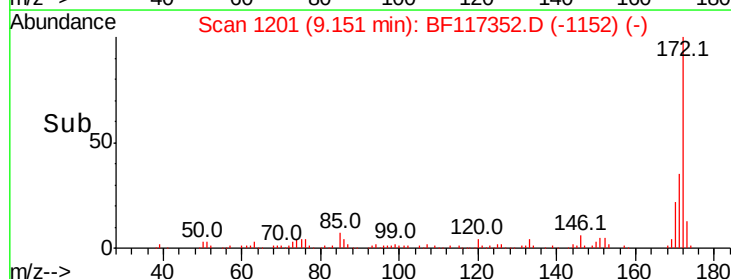
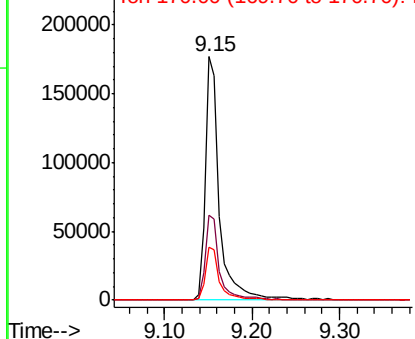


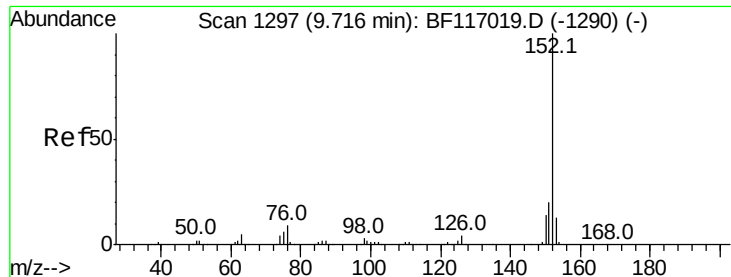
#45
 2-Fluorobiphenyl
 Concen: 34.043 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF117352.D
 Acq: 8 Oct 2019 20:30

Tgt Ion:172 Resp: 198017
 Ion Ratio Lower Upper
 172 100
 171 34.8 28.2 42.2
 170 21.7 18.9 28.3



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: 7.744 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.01 min

Lab File: BF117352.D

Acq: 8 Oct 2019 20:30

Instrument :

BNA_F

ClientSampleId :

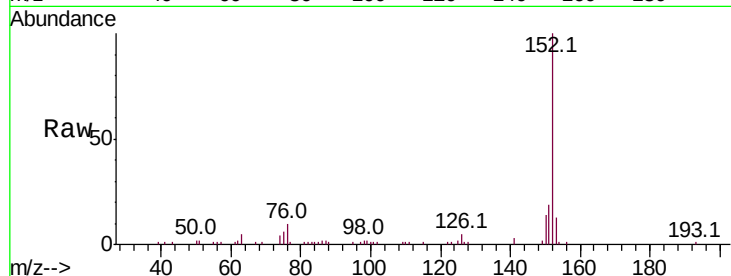
Tot Ion:152 Resp: 65318

Ion Ratio Lower Upper

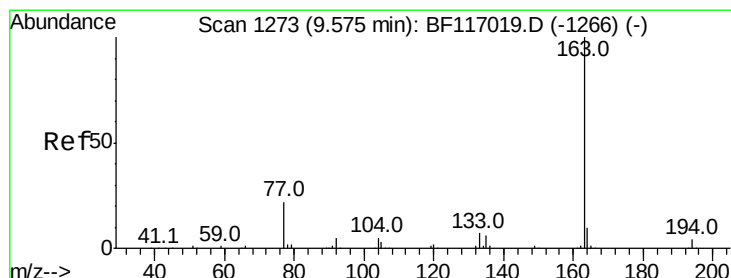
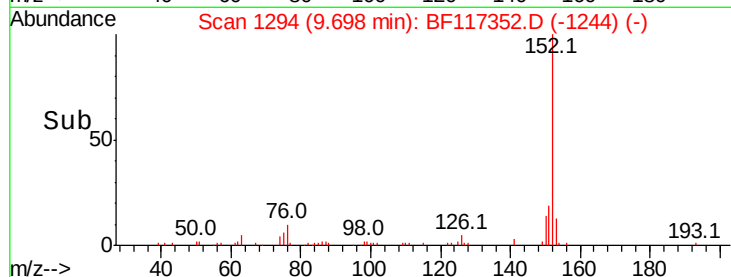
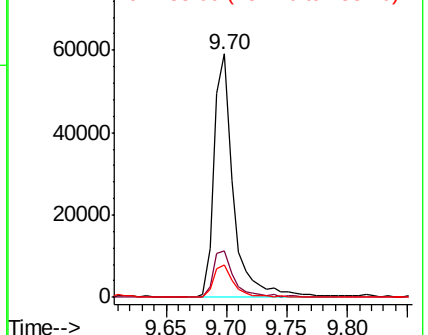
152 100

151 19.3 16.2 24.2

153 13.1 10.2 15.4



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: 3.362 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF117352.D

Acq: 8 Oct 2019 20:30

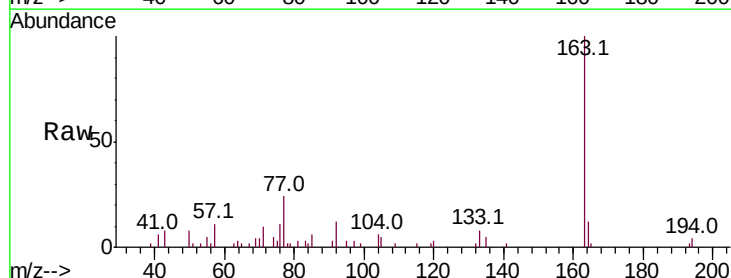
Tgt Ion:163 Resp: 21653

Ion Ratio Lower Upper

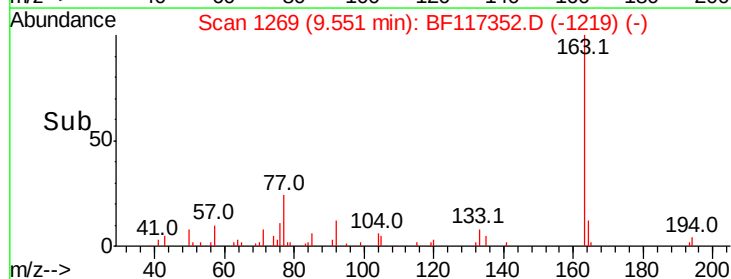
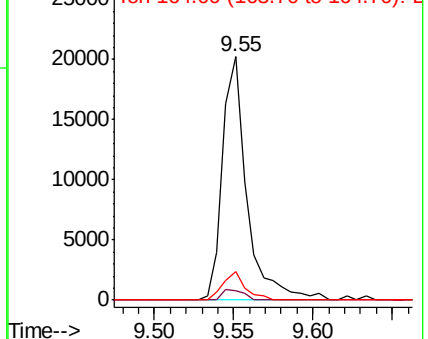
163 100

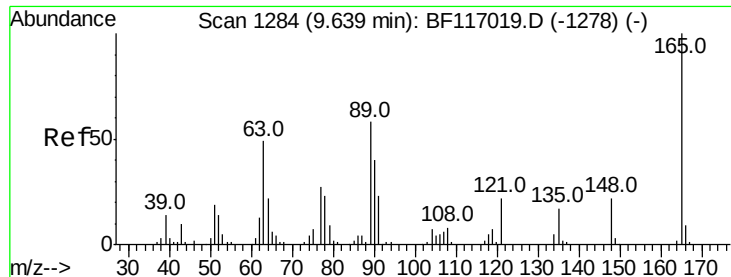
194 3.9 2.9 4.3

164 11.5 8.2 12.4



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

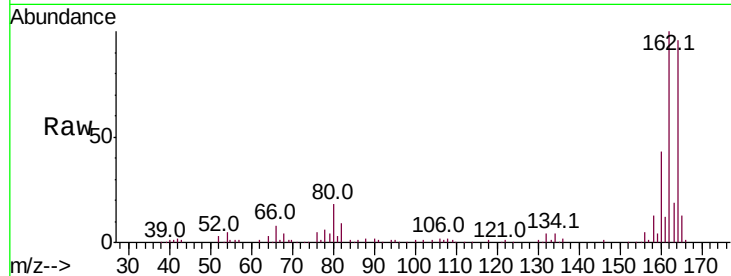




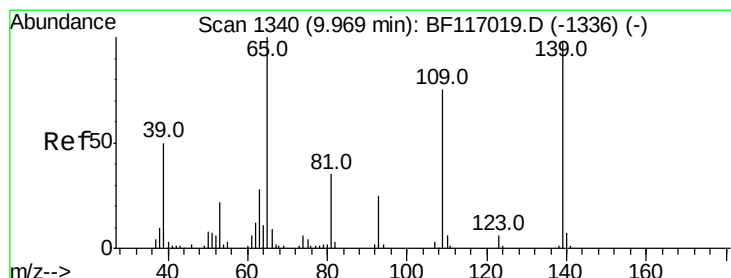
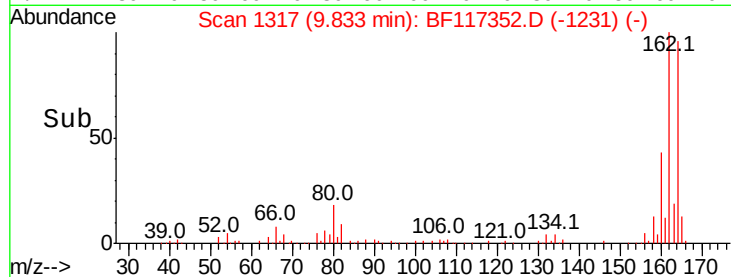
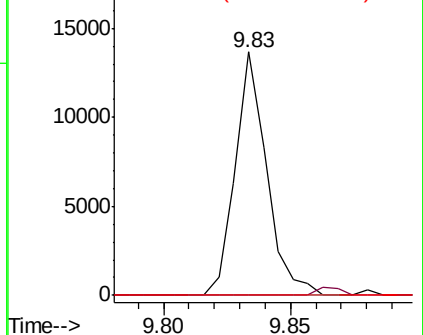
#51
 2,6-Dinitrotoluene
 Concen: 8.969 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. 0.21 min
 Lab File: BF117352.D
 Acq: 8 Oct 2019 20:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.8	62.8#
89	0.0	46.5	69.7#

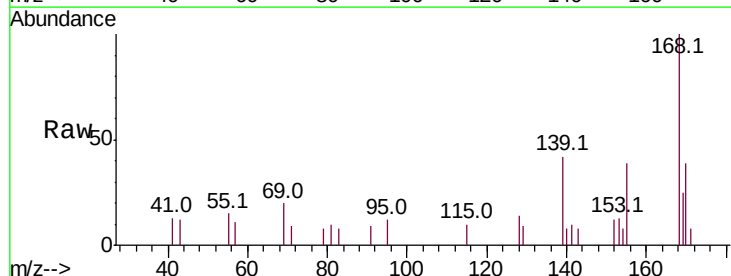


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

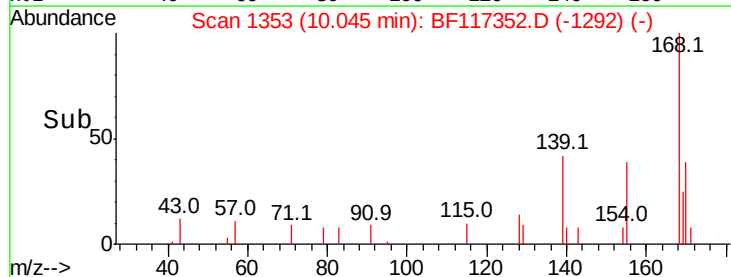
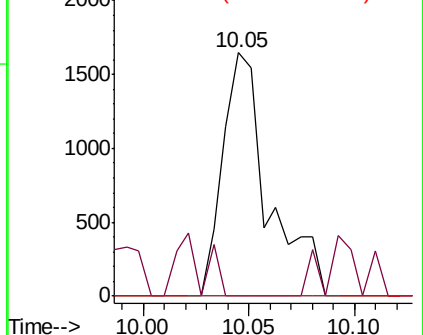


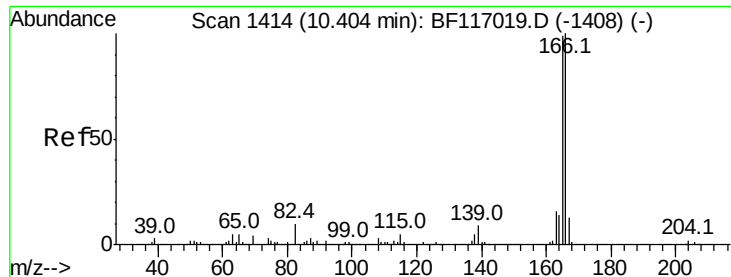
#56
 4-Nitrophenol
 Concen: 2.308 ng
 RT: 10.05 min Scan# 1353
 Delta R.T. 0.06 min
 Lab File: BF117352.D
 Acq: 8 Oct 2019 20:30

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	56.4	96.4#
65	0.0	82.5	122.5#



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

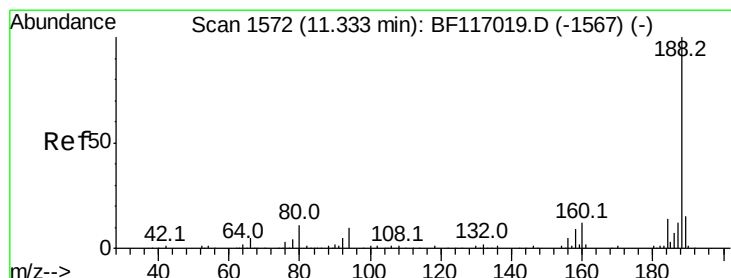
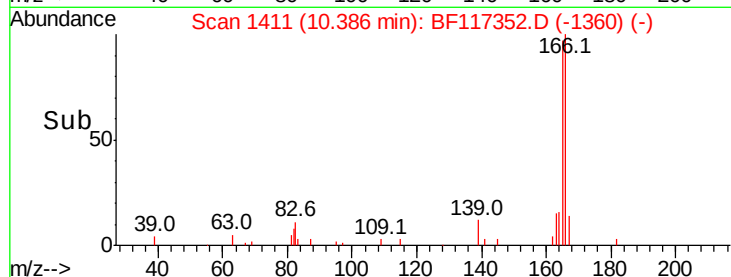
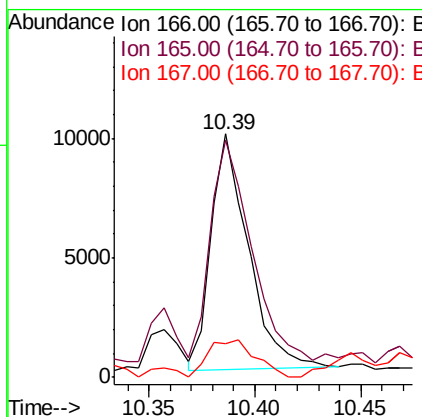
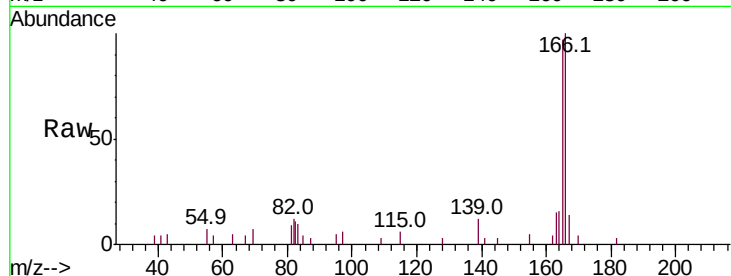




#58
 Fluorene
 Concen: 2.049 ng
 RT: 10.39 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: BF117352.D
 Acq: 8 Oct 2019 20:30

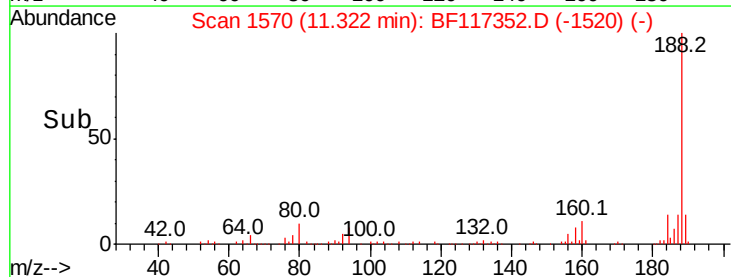
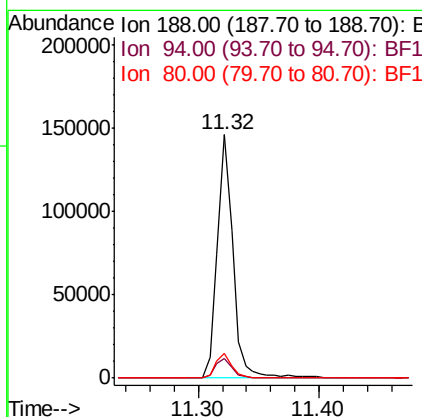
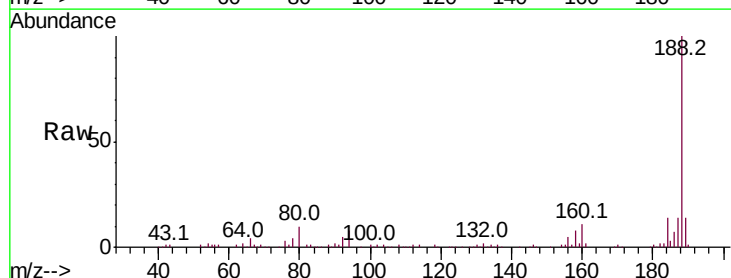
Instrument :
 BNA_F
 ClientSampleId :

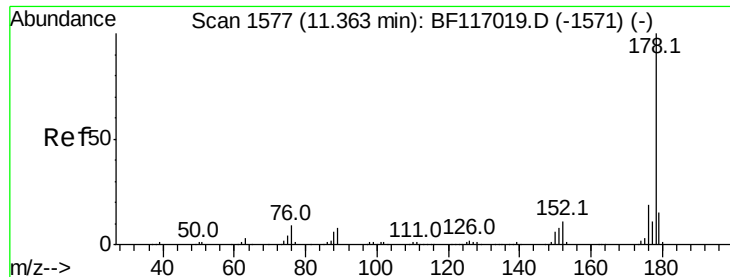
Tot Ion:166 Resp: 12177
 Ion Ratio Lower Upper
 166 100
 165 97.3 78.9 118.3
 167 13.8 10.6 15.8



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF117352.D
 Acq: 8 Oct 2019 20:30

Tgt Ion:188 Resp: 130347
 Ion Ratio Lower Upper
 188 100
 94 8.3 8.2 12.2
 80 10.1 9.0 13.6

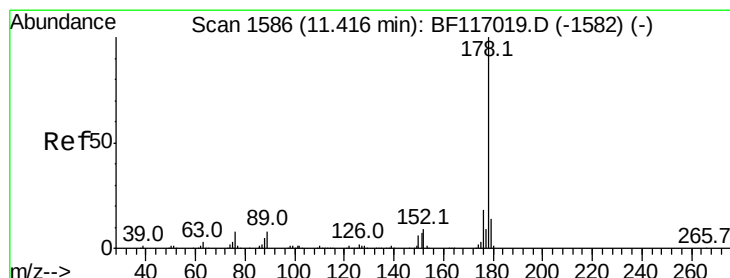
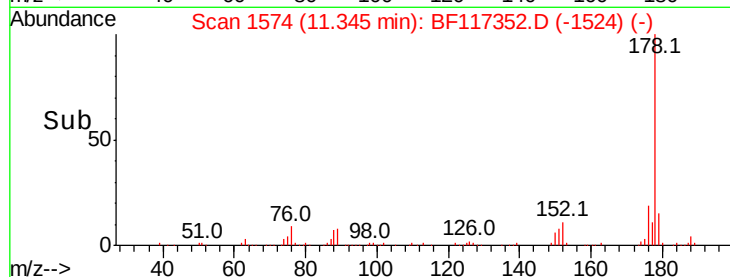
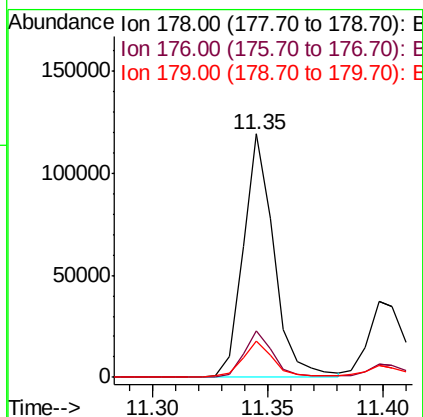
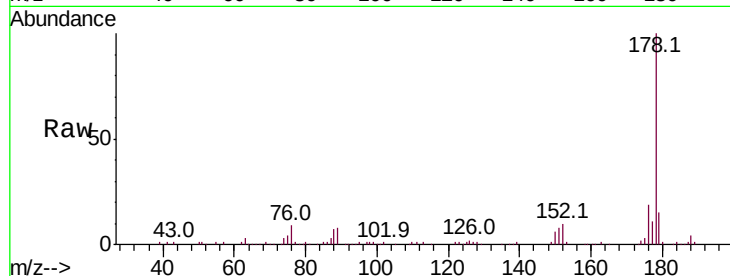




#71
Phenanthrene
Concen: 14.930 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF117352.D
Acq: 8 Oct 2019 20:30

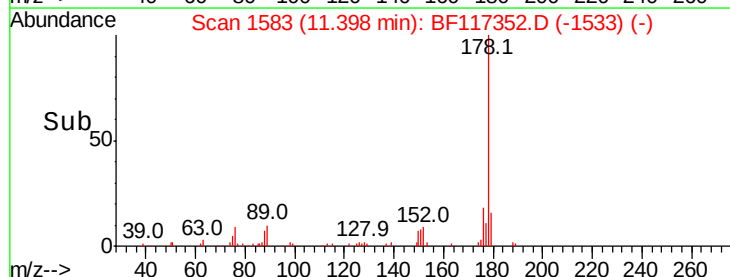
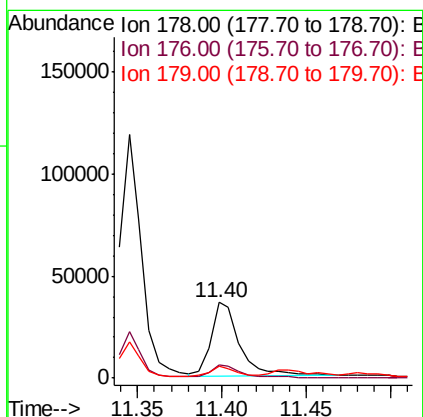
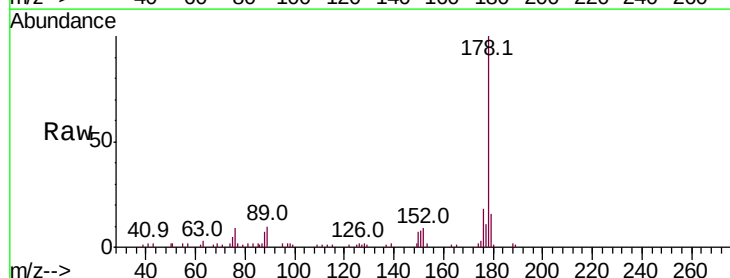
Instrument :
BNA_F
ClientSampleId :

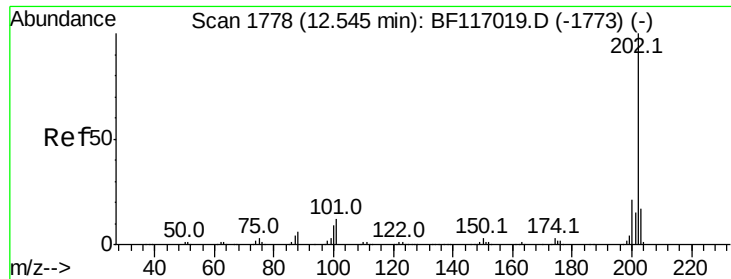
Tot Ion:178 Resp: 110538
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.2
179 14.9 12.4 18.6



#72
Anthracene
Concen: 5.809 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF117352.D
Acq: 8 Oct 2019 20:30

Tgt Ion:178 Resp: 43907
Ion Ratio Lower Upper
178 100
176 18.0 14.6 21.8
179 16.3 11.6 17.4





#75

Fluoranthene

Concen: 35.657 ng

RT: 12.54 min Scan# 1777

Delta R.T. 0.00 min

Lab File: BF117352.D

Acq: 8 Oct 2019 20:30

Instrument :

BNA_F

ClientSampleId :

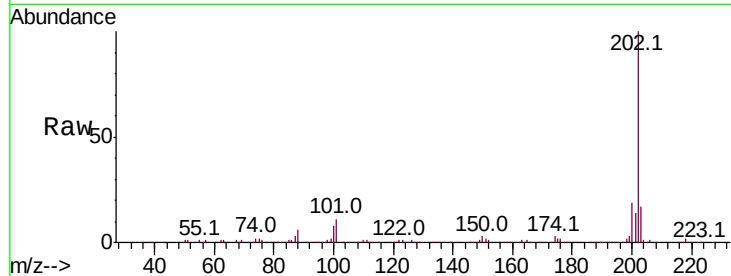
Tot Ion:202 Resp: 271252

Ion Ratio Lower Upper

202 100

101 10.6 0.0 32.3

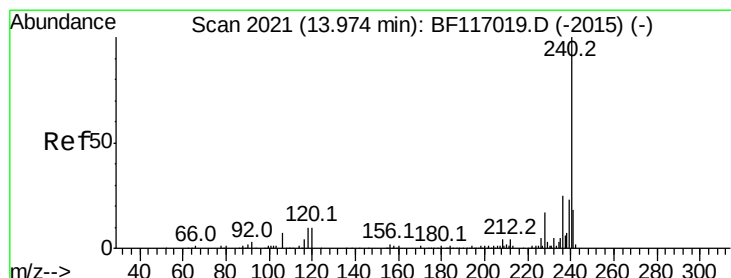
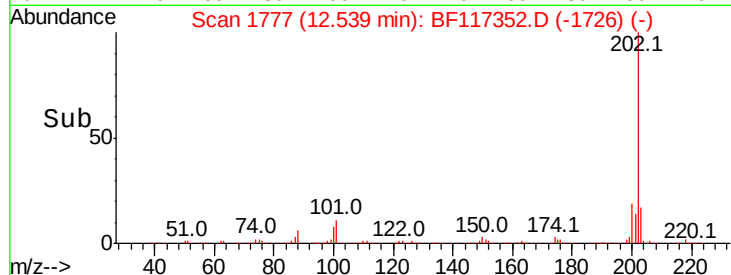
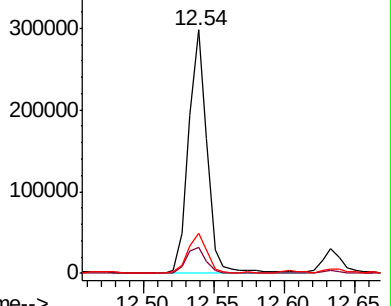
203 16.7 0.0 37.1



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: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF117352.D

Acq: 8 Oct 2019 20:30

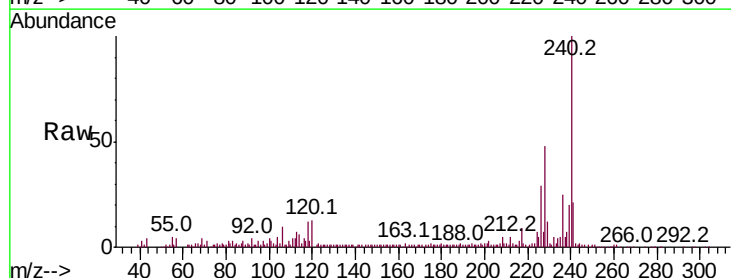
Tgt Ion:240 Resp: 93700

Ion Ratio Lower Upper

240 100

120 12.9 8.3 12.5#

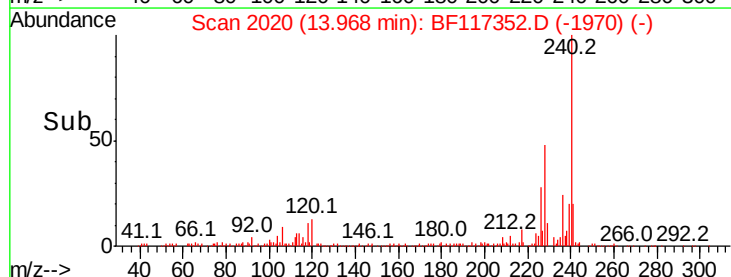
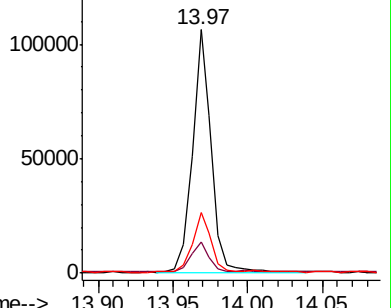
236 24.9 20.3 30.5

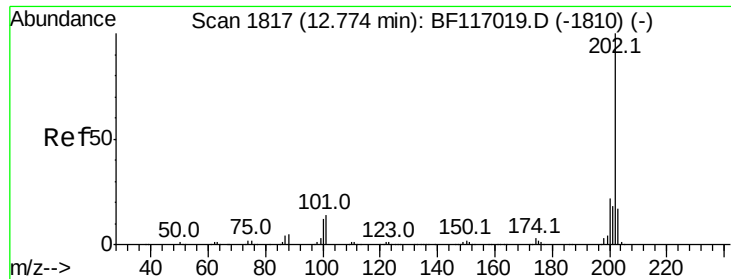


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

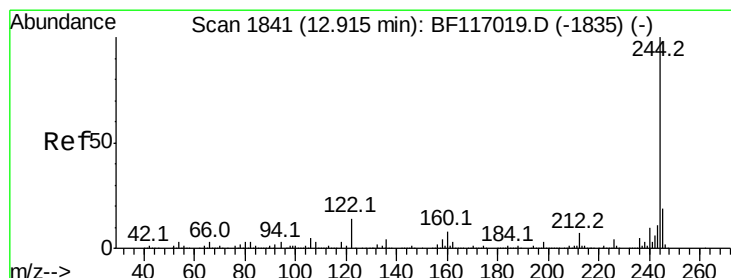
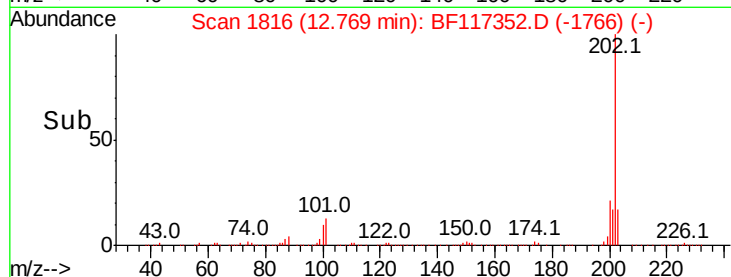
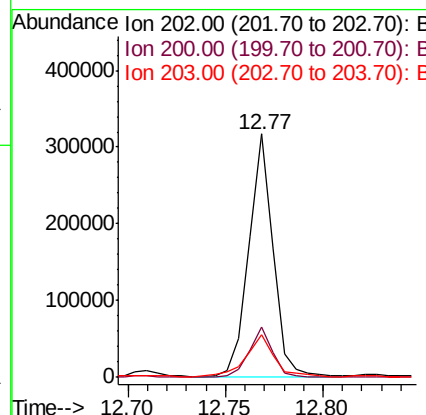
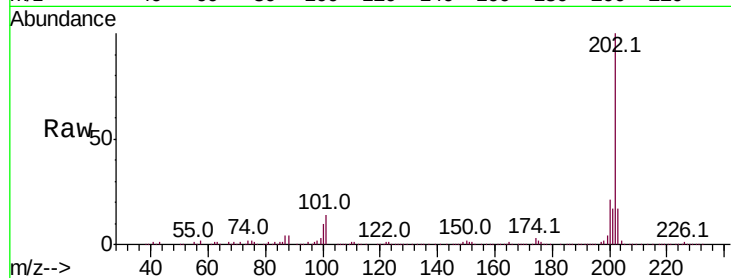




#78
Pvrene
Concen: 34.796 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BF117352.D
Acq: 8 Oct 2019 20:30

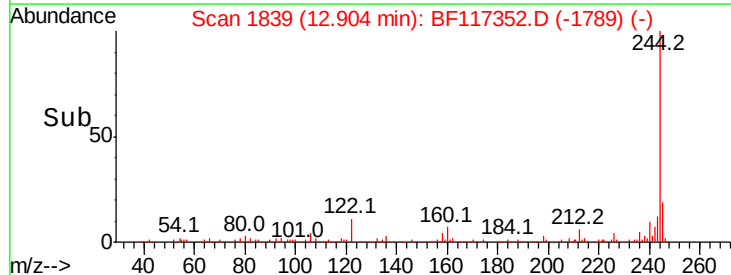
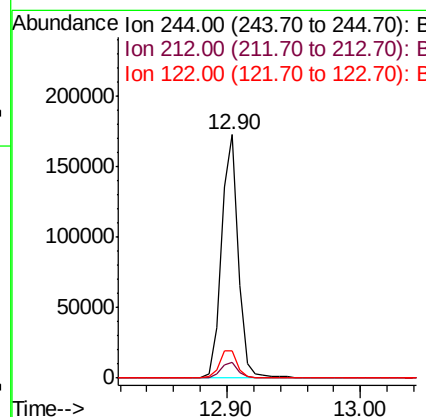
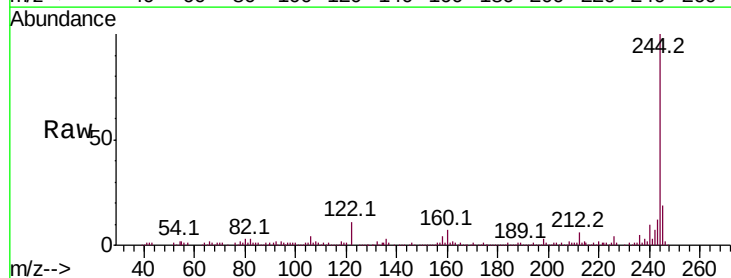
Instrument :
BNA_F
ClientSampleId :

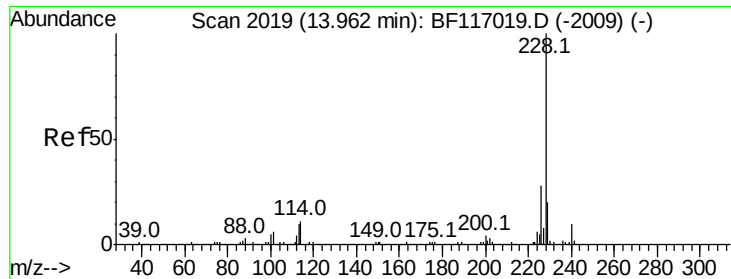
Tot Ion:202 Resp: 273572
Ion Ratio Lower Upper
202 100
200 20.8 17.2 25.8
203 17.5 14.0 21.0



#79
Terphenyl-d14
Concen: 30.708 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BF117352.D
Acq: 8 Oct 2019 20:30

Tgt Ion:244 Resp: 153934
Ion Ratio Lower Upper
244 100
212 6.4 5.8 8.8
122 11.2 11.3 16.9#

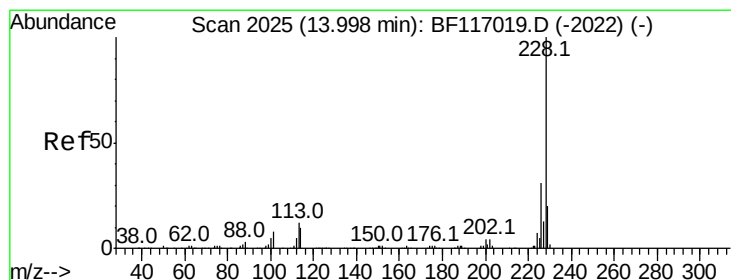
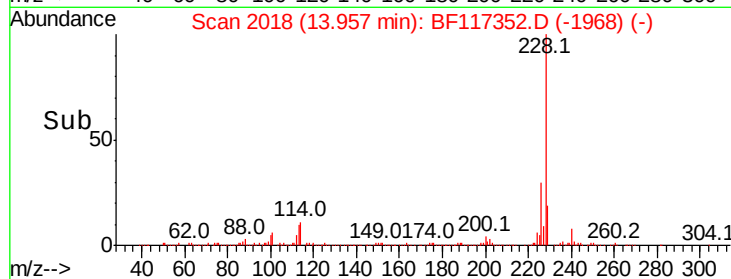
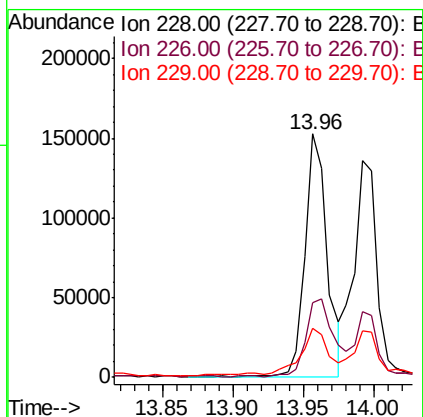
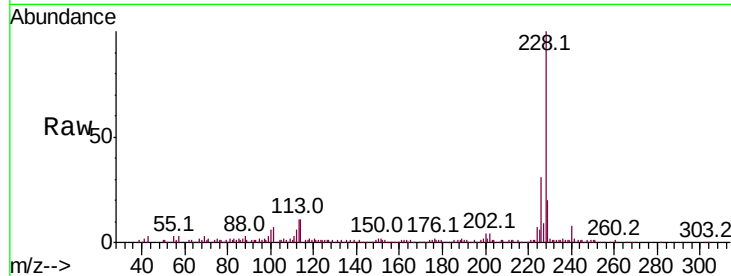




#81
Benzo(a)anthracene
Concen: 26.267 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF117352.D
Acq: 8 Oct 2019 20:30

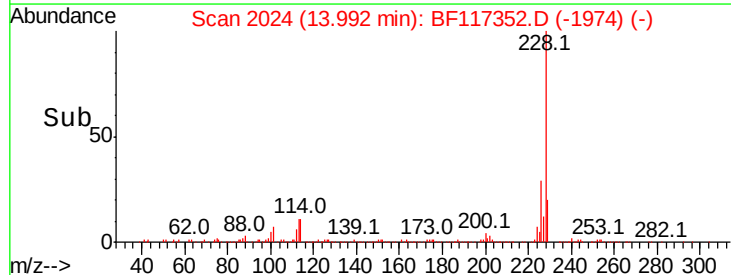
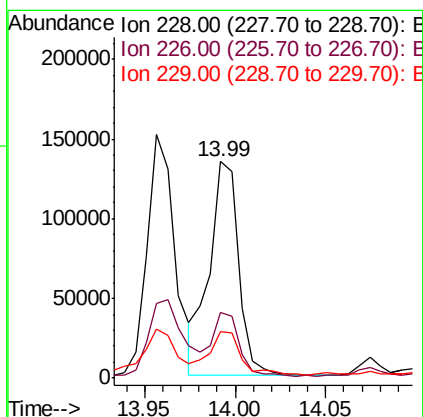
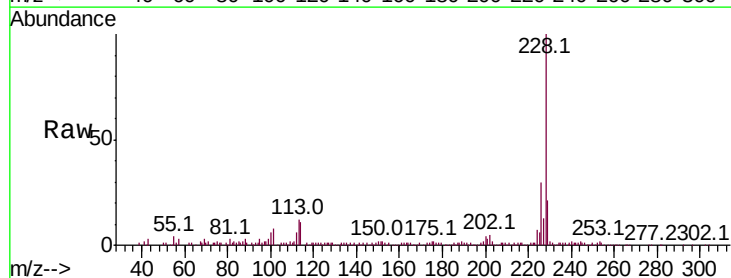
Instrument :
BNA_F
ClientSampleId :

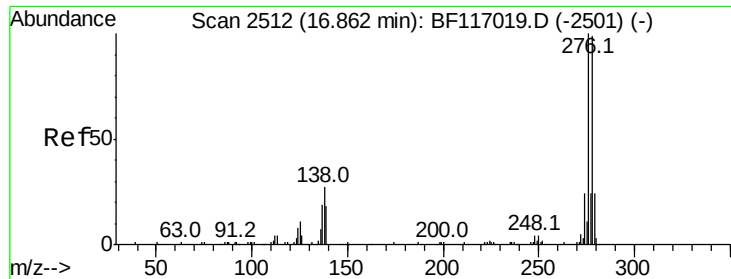
Tot Ion:228 Resp: 164438
Ion Ratio Lower Upper
228 100
226 30.5 22.3 33.5
229 20.3 15.9 23.9



#83
Chrysene
Concen: 24.798 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF117352.D
Acq: 8 Oct 2019 20:30

Tgt Ion:228 Resp: 151410
Ion Ratio Lower Upper
228 100
226 30.1 24.8 37.2
229 21.3 15.8 23.8

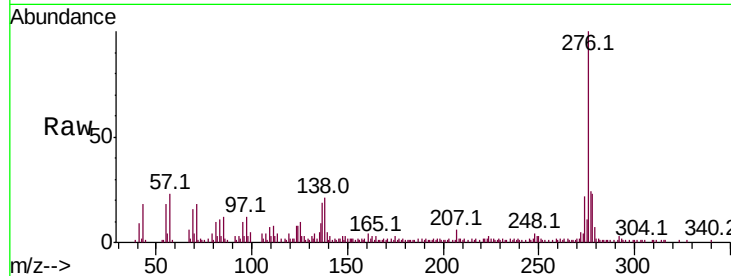




#86
Indeno(1,2,3-cd)pyrene
Concen: 17.249 ng
RT: 16.89 min Scan# 2517
Delta R.T. 0.01 min
Lab File: BF117352.D
Acq: 8 Oct 2019 20:30

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.7	20.7	31.1
277	22.5	19.8	29.8

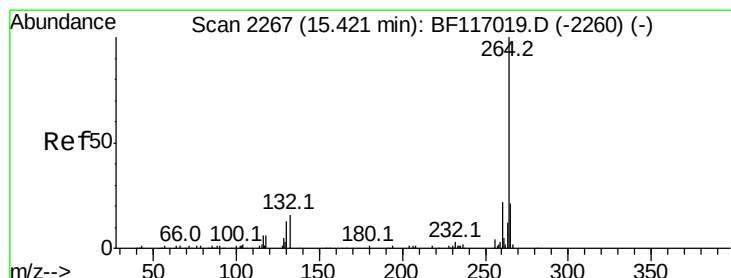
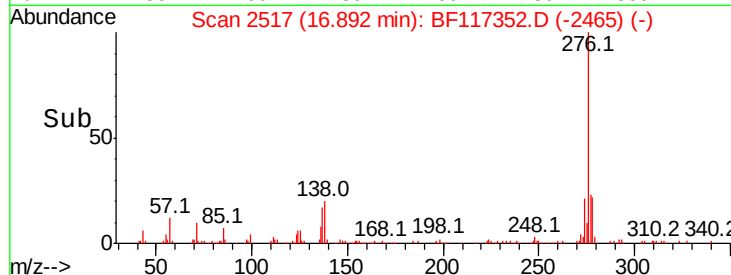
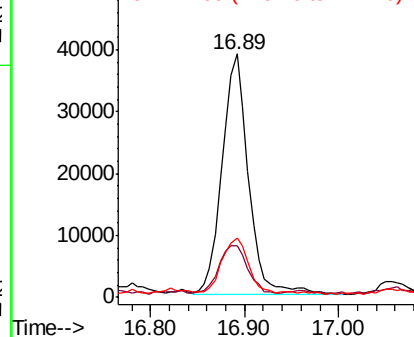


Abundance

Ion 276.00 (275.70 to 276.70): E

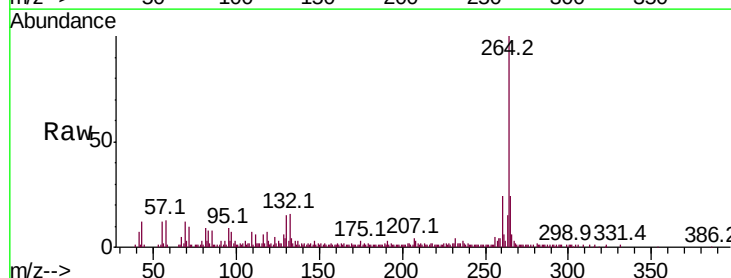
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.01 min
Lab File: BF117352.D
Acq: 8 Oct 2019 20:30

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	17.6	26.4
265	23.6	16.6	24.8

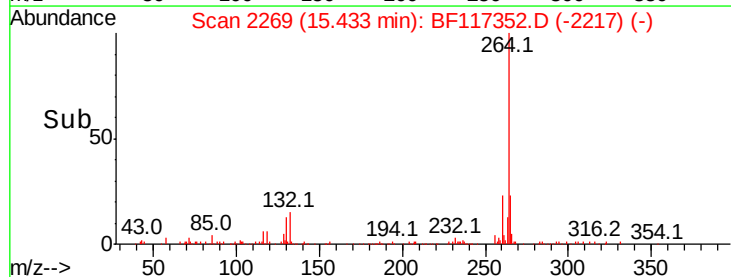
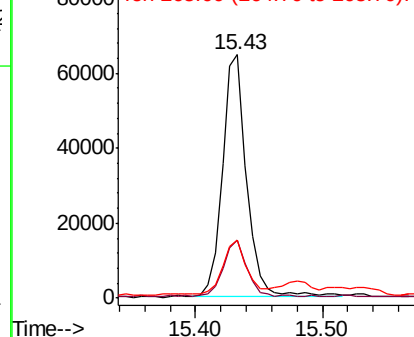


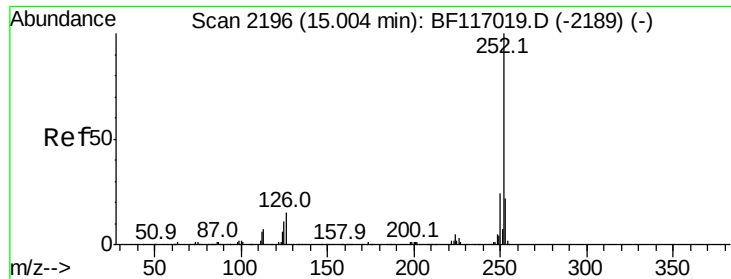
Abundance

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: 49.399 ng

RT: 15.01 min Scan# 2197

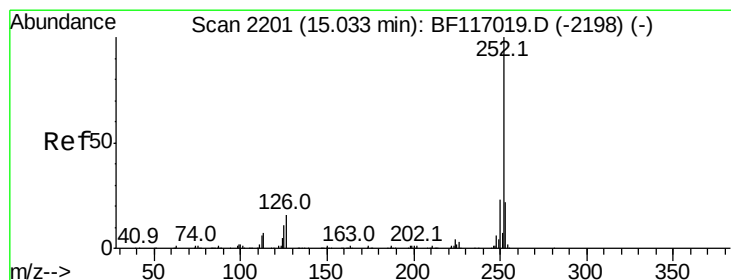
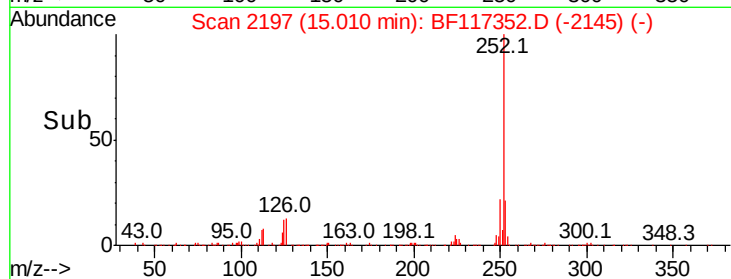
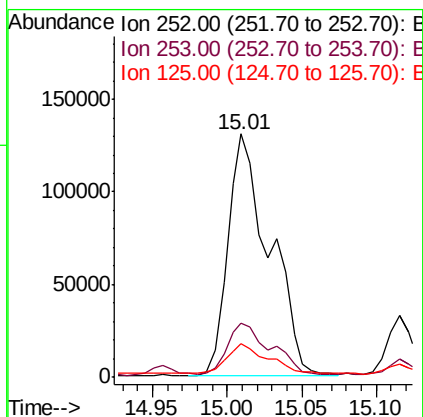
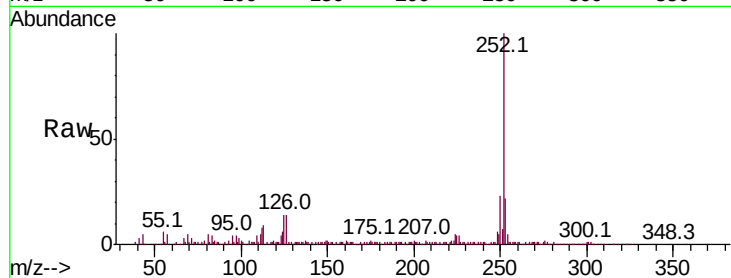
Delta R.T. 0.01 min

Lab File: BF117352.D

Acq: 8 Oct 2019 20:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.6	26.4
125	13.7	8.6	12.8#



#89

Benzo(k)fluoranthene

Concen: 52.149 ng

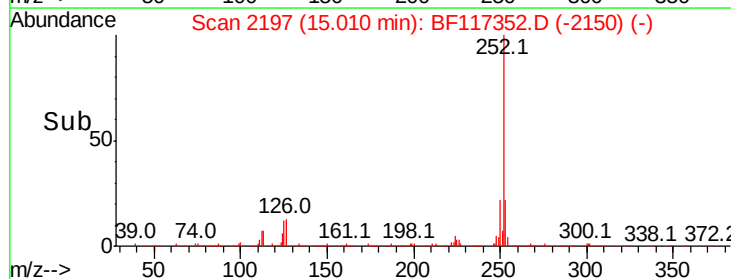
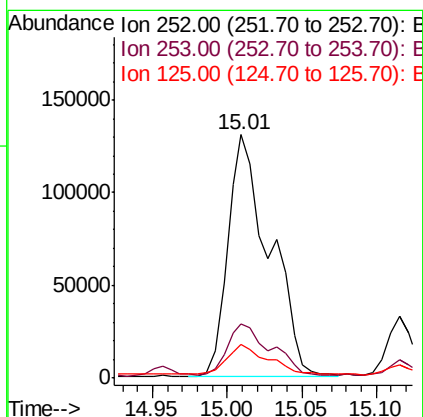
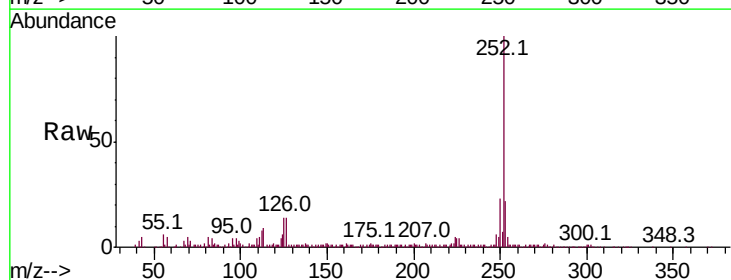
RT: 15.01 min Scan# 2197

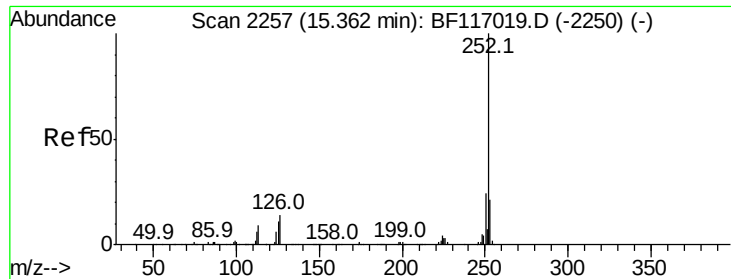
Delta R.T. -0.02 min

Lab File: BF117352.D

Acq: 8 Oct 2019 20:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.2
125	13.7	8.8	13.2#





#90

Benzo(a)pyrene

Concen: 29.009 ng

RT: 15.37 min Scan# 2259

Delta R.T. 0.01 min

Lab File: BF117352.D

Acq: 8 Oct 2019 20:30

Instrument :

BNA_F

ClientSampleId :

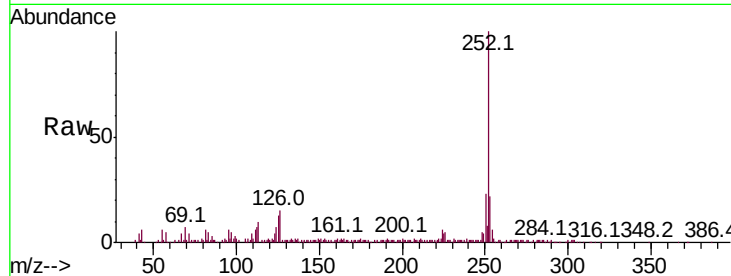
Tot Ion:252 Resp: 131644

Ion Ratio Lower Upper

252 100

253 21.9 16.6 25.0

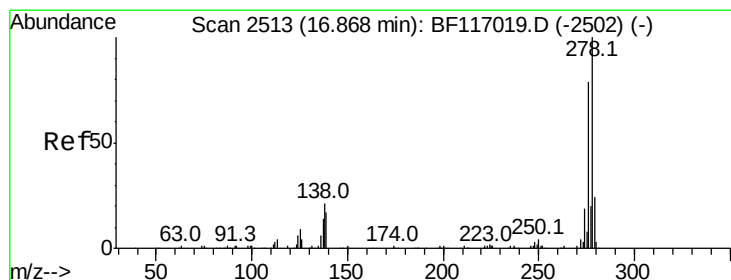
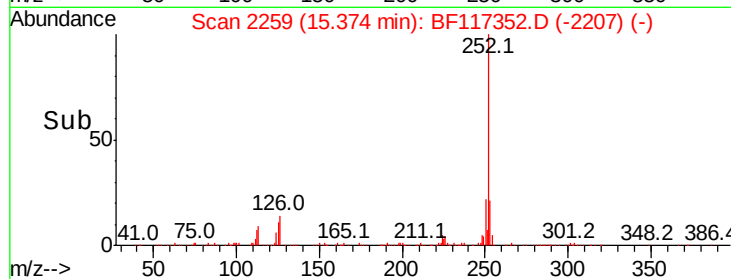
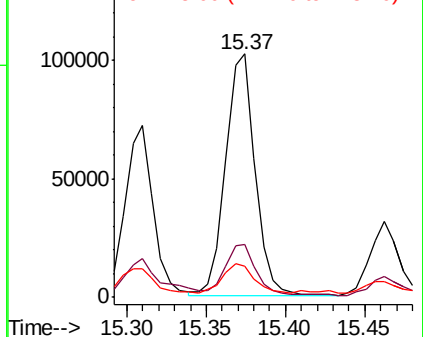
125 12.8 8.9 13.3



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



#91

Dibenzo(a,h)anthracene

Concen: 5.091 ng

RT: 16.89 min Scan# 2517

Delta R.T. 0.01 min

Lab File: BF117352.D

Acq: 8 Oct 2019 20:30

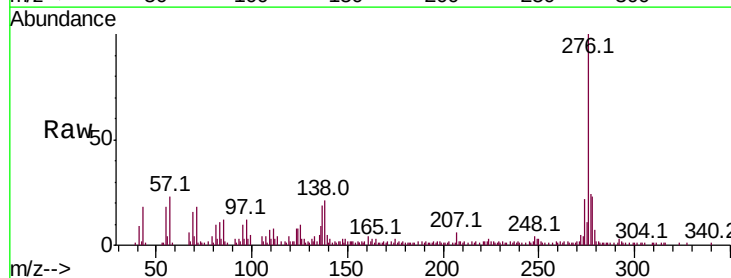
Tgt Ion:278 Resp: 18404

Ion Ratio Lower Upper

278 100

139 20.3 13.5 20.3#

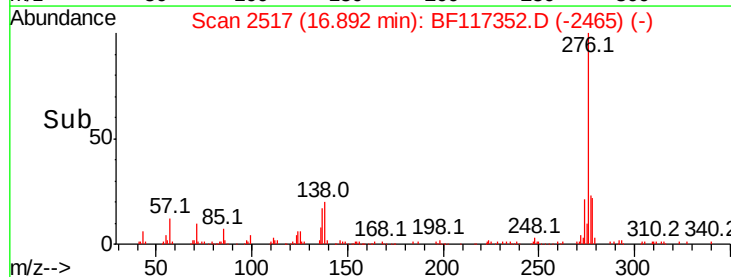
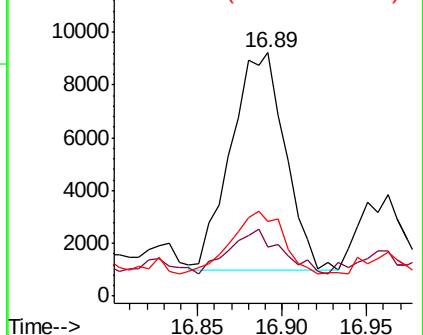
279 30.7 18.8 28.2#

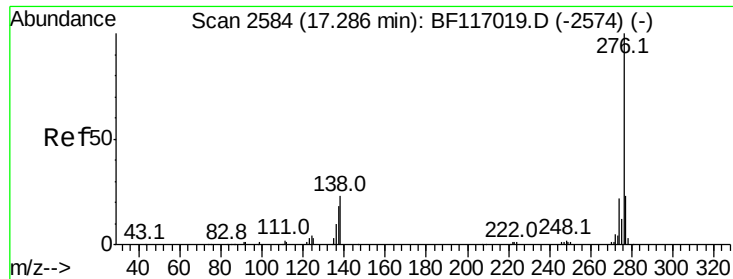


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 18.203 ng

RT: 17.33 min Scan# 2592

Delta R.T. 0.01 min

Lab File: BF117352.D

Acq: 8 Oct 2019 20:30

Instrument :

BNA_F

ClientSampleId :

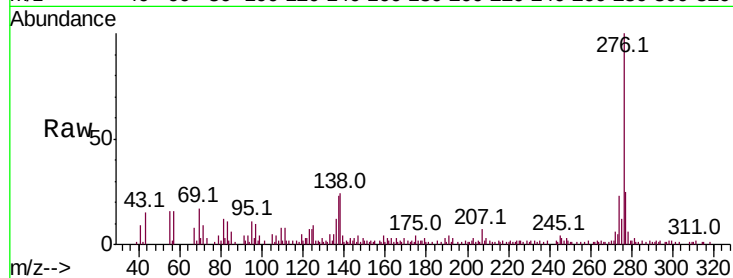
Tot Ion:276 Resp: 65576

Ion Ratio Lower Upper

276 100

277 24.6 18.6 27.8

138 23.6 18.0 27.0



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

