

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092019\
 Data File : BF117203.D
 Acq On : 20 Sep 2019 23:09
 Operator : HP/JU
 Sample : K4964-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 21 00:39:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	39102	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	153786	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	69746	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	84462	20.00	ng	0.00
76) Chrysene-d12	13.98	240	53167	20.00	ng	0.00
87) Perylene-d12	15.44	264	46676	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	235731	94.12	ng	0.01
7) Phenol-d6	6.47	99	312869	96.66	ng	0.01
23) Nitrobenzene-d5	7.38	82	206270	70.47	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	48086	82.49	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	367319	82.35	ng	0.00
79) Terphenyl-d14	12.92	244	209934	73.81	ng	0.00

Target Compounds

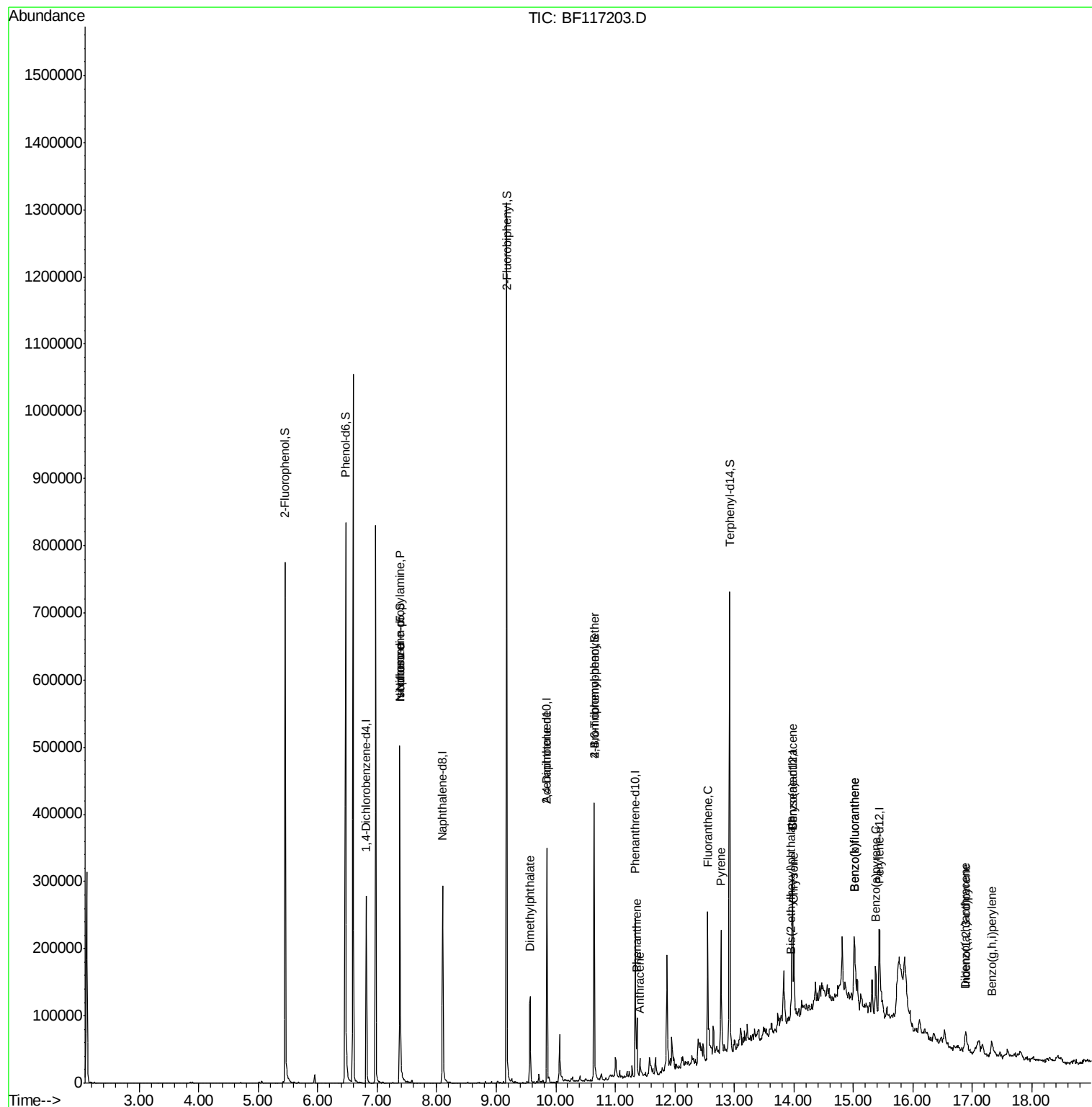
						Qvalue
9) Benzaldehyde	6.46	77	571	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.38	70	28248	14.332 ng	#	82
25) Isophorone	7.38	82	206268	39.802 ng	#	66
50) Dimethylphthalate	9.57	163	52525	10.636 ng		98
57) 2,4-Dinitrotoluene	9.85	165	8799	6.740 ng	#	18
67) 4-Bromophenyl-phenylether	10.65	248	3038	3.522 ng	#	1
71) Phenanthrene	11.36	178	32377	6.749 ng		99
72) Anthracene	11.42	178	13693	2.796 ng		97
75) Fluoranthene	12.55	202	77073	15.636 ng		97
78) Pyrene	12.78	202	73187	16.406 ng		99
81) Benzo(a)anthracene	13.97	228	41809	11.770 ng		99
83) Chrysene	14.00	228	36695	10.592 ng		95
84) Bis(2-ethylhexyl)phthalate	13.95	149	7127	2.622 ng	#	96
86) Indeno(1,2,3-cd)pyrene	16.89	276	19417	7.682 ng		99
88) Benzo(b)fluoranthene	15.02	252	62321	22.042 ng	#	89
89) Benzo(k)fluoranthene	15.02	252	62321	23.269 ng	#	89
90) Benzo(a)pyrene	15.37	252	31091	12.531 ng	#	92
91) Dibenzo(a,h)anthracene	16.87	278	6107	3.090 ng	#	91
92) Benzo(a,h,i)perylene	17.32	276	18459	9.372 ng		97

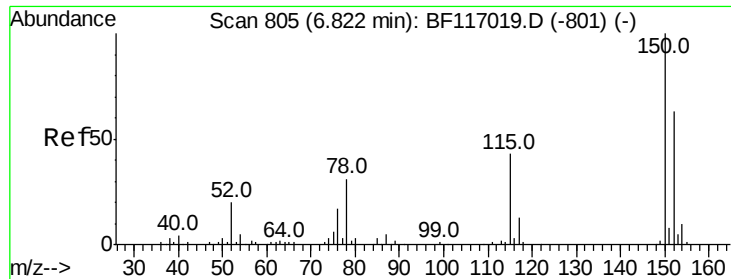
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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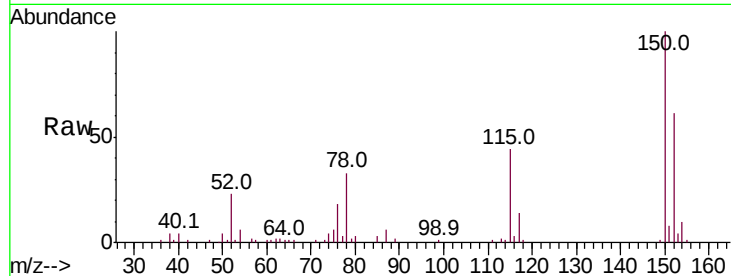


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.01 min
Lab File: BF117203.D
Acq: 20 Sep 2019 23:09

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	164.6	127.5	191.3
115	71.9	55.0	82.4

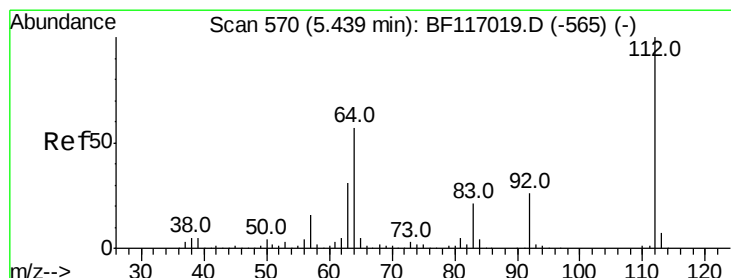
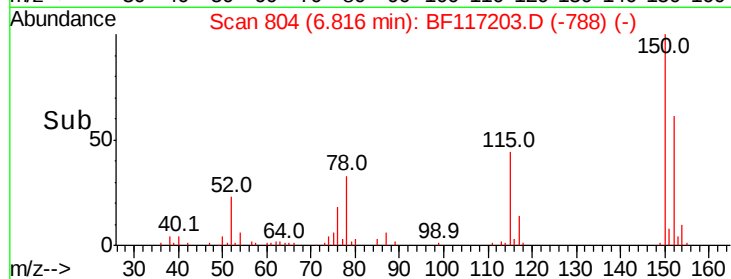
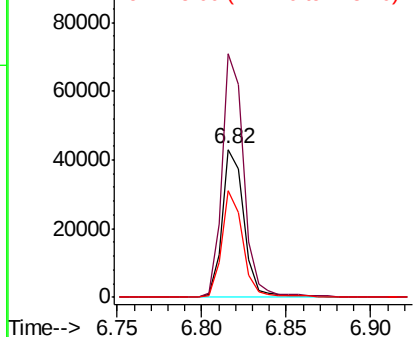


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

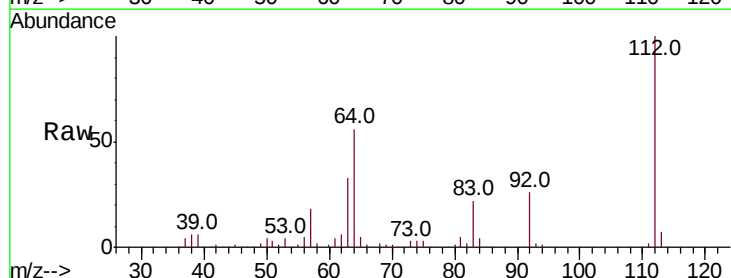
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 94.122 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.01 min
Lab File: BF117203.D
Acq: 20 Sep 2019 23:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.4	45.7	68.5
63	32.7	24.9	37.3

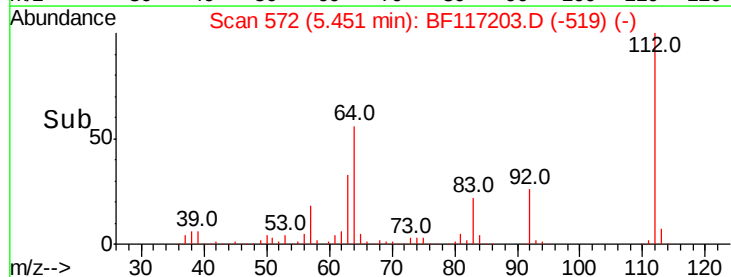
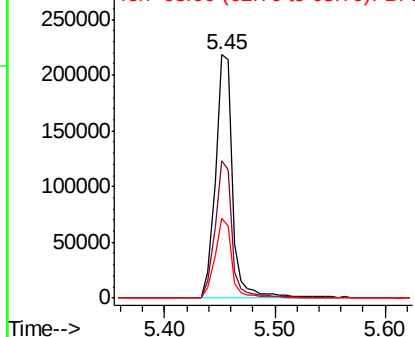


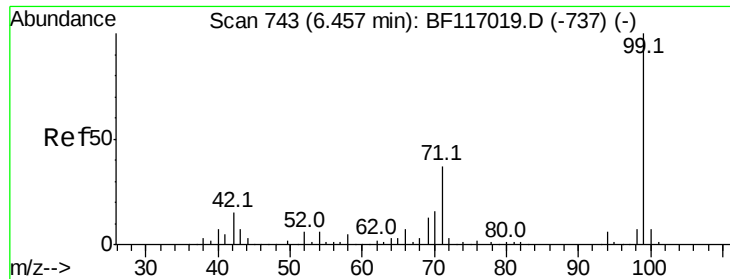
Abundance

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: 96.661 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF117203.D

Acq: 20 Sep 2019 23:09

Instrument :

BNA_F

ClientSampleId :

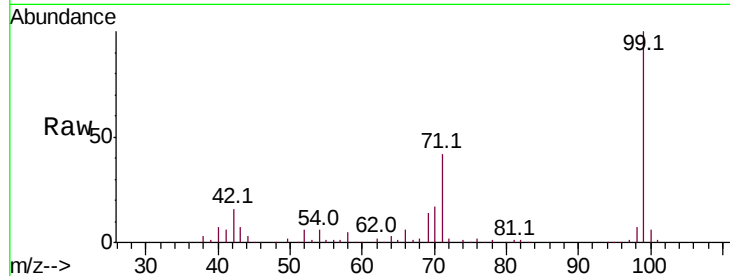
Tot Ion: 99 Resp: 312869

Ion Ratio Lower Upper

99 100

42 16.2 12.2 18.2

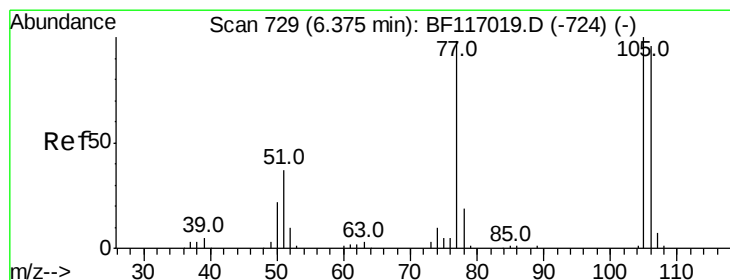
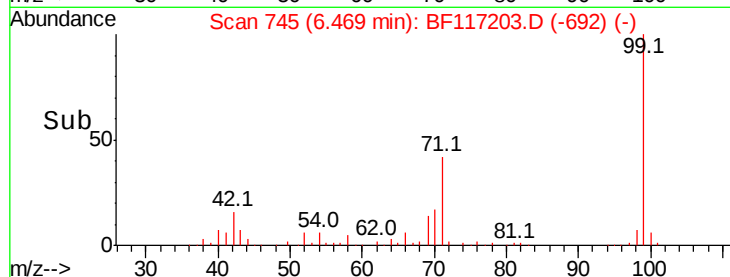
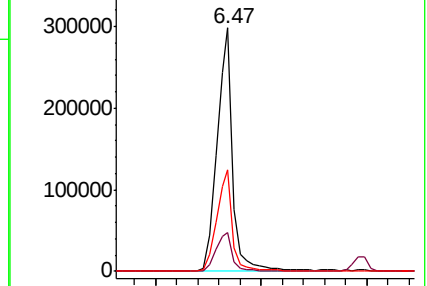
71 41.7 29.8 44.8



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: 6.46 min Scan# 744

Delta R.T. 0.09 min

Lab File: BF117203.D

Acq: 20 Sep 2019 23:09

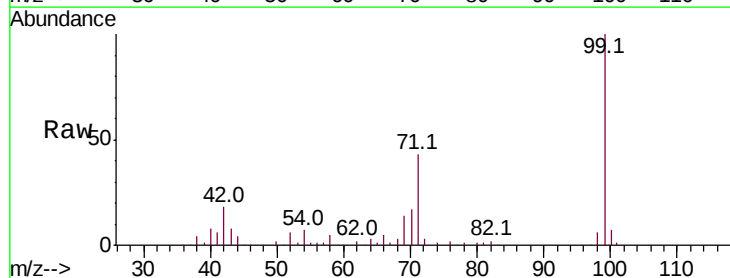
Tgt Ion: 77 Resp: 571

Ion Ratio Lower Upper

77 100

105 0.0 81.8 121.8#

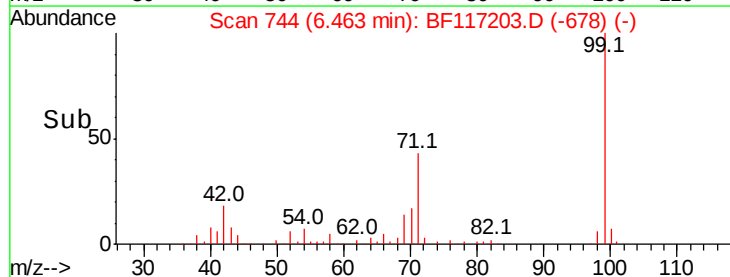
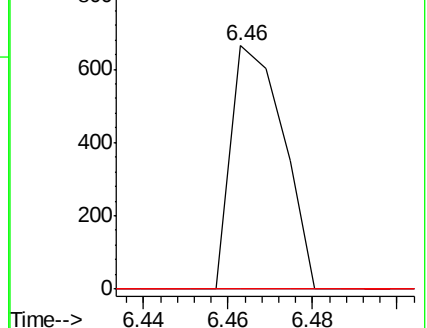
106 0.0 77.3 117.3#

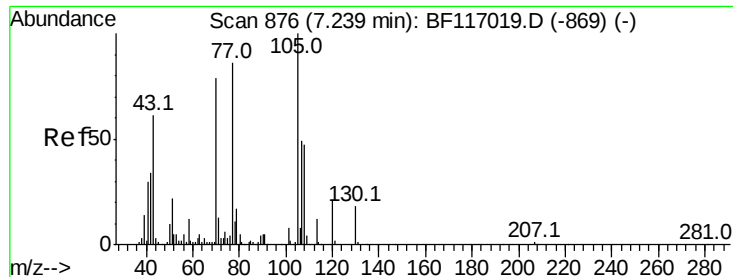


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

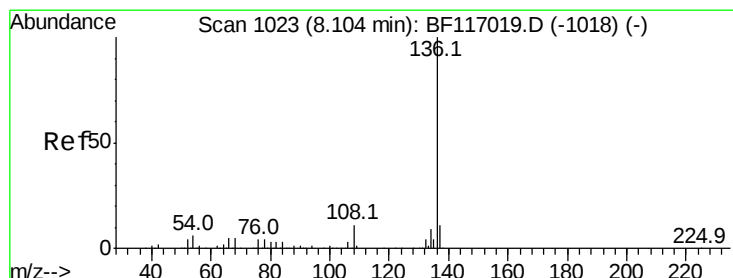
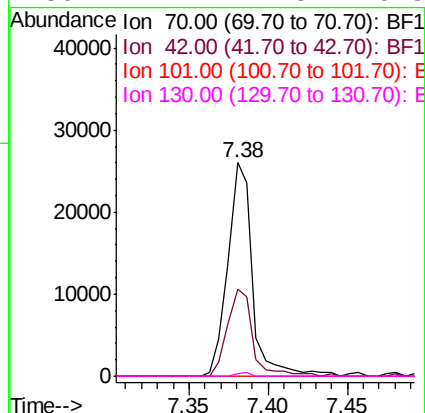
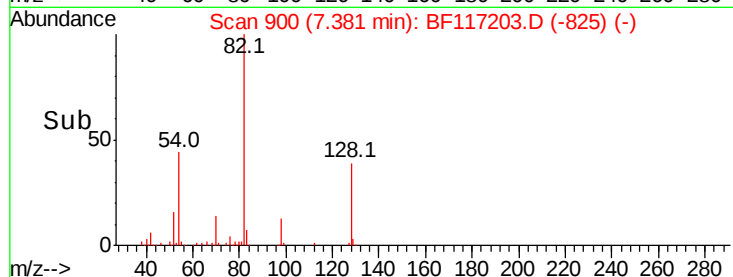
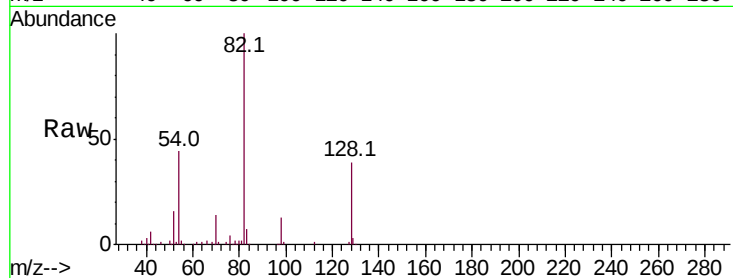




#19
n-Nitroso-di-n-propylamine
Concen: 14.332 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.14 min
Lab File: BF117203.D
Acq: 20 Sep 2019 23:09

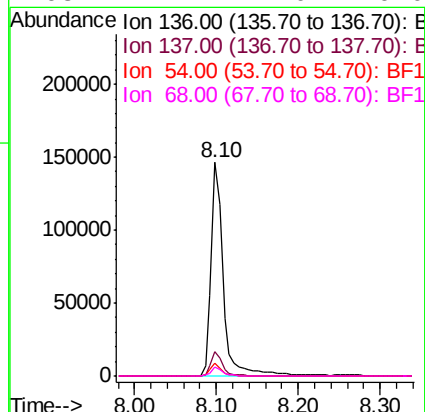
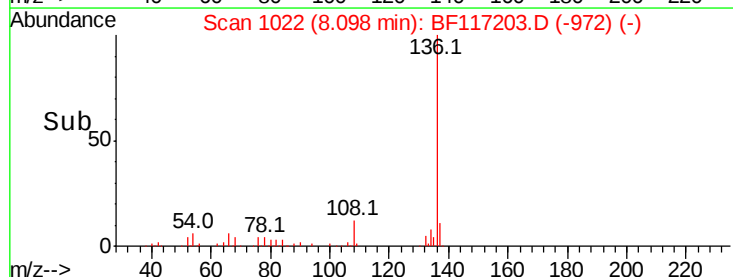
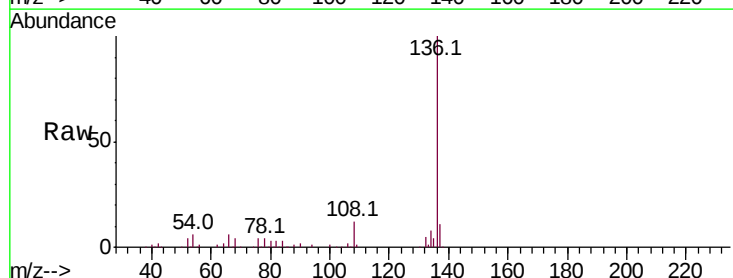
Instrument :
BNA_F
ClientSampleId :

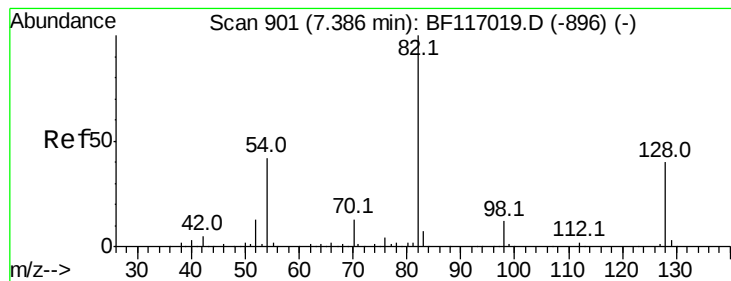
Tot Ion: 70 Resp: 28248
Ion Ratio Lower Upper
70 100
42 40.7 34.0 51.0
101 0.0 7.8 11.6#
130 1.4 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF117203.D
Acq: 20 Sep 2019 23:09

Tgt Ion: 136 Resp: 153786
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.4
54 5.7 4.5 6.7
68 4.4 4.0 6.0





#23

Nitrobenzene-d5

Concen: 70.474 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.01 min

Lab File: BF117203.D

Acq: 20 Sep 2019 23:09

Instrument :
BNA_F
ClientSampled :

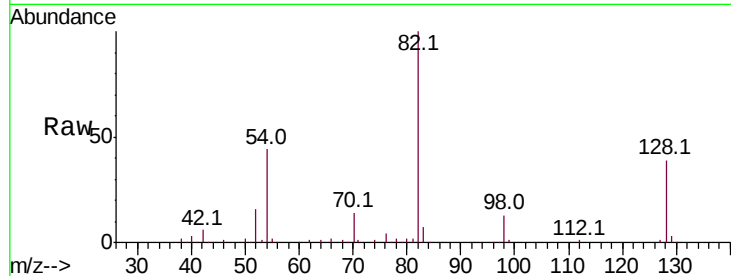
Tot Ion: 82 Resp: 206270

Ion Ratio Lower Upper

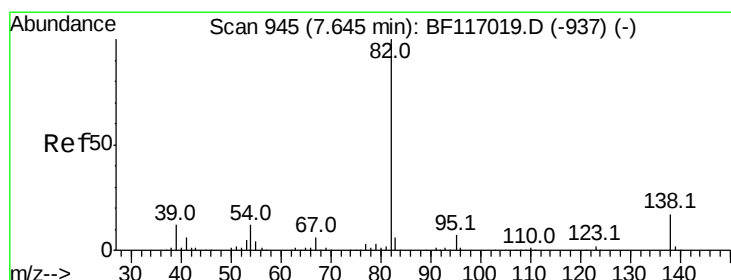
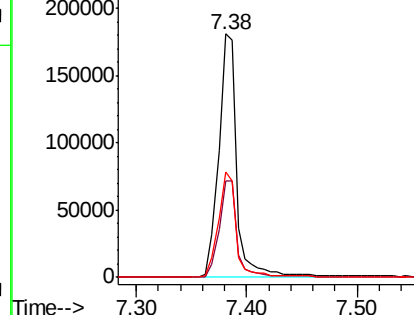
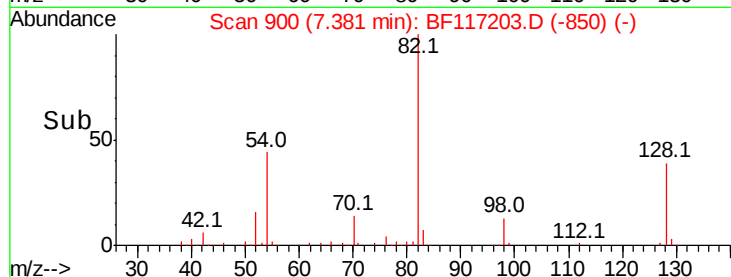
82 100

128 39.4 32.3 48.5

54 43.5 33.3 49.9



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 39.802 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.26 min

Lab File: BF117203.D

Acq: 20 Sep 2019 23:09

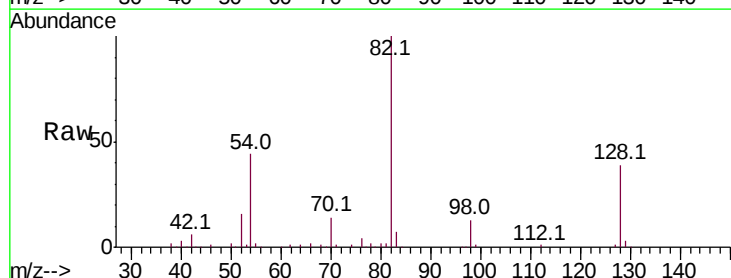
Tgt Ion: 82 Resp: 206268

Ion Ratio Lower Upper

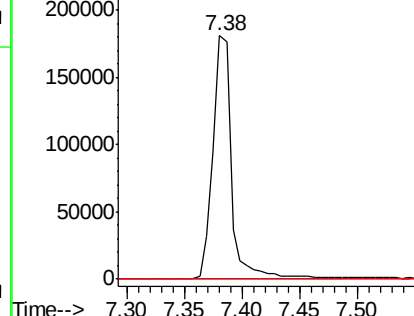
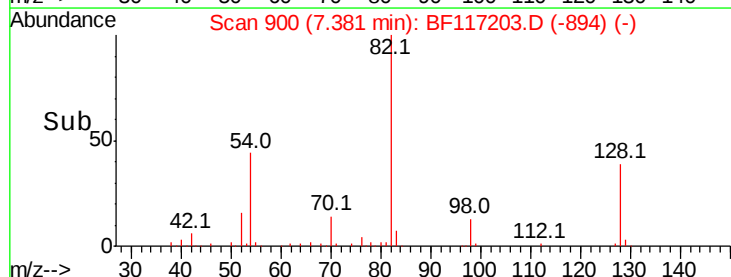
82 100

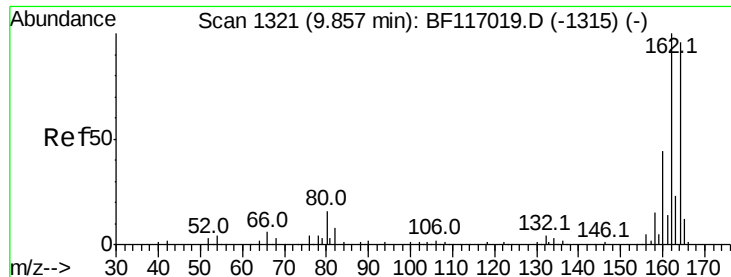
95 0.0 5.8 8.6#

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

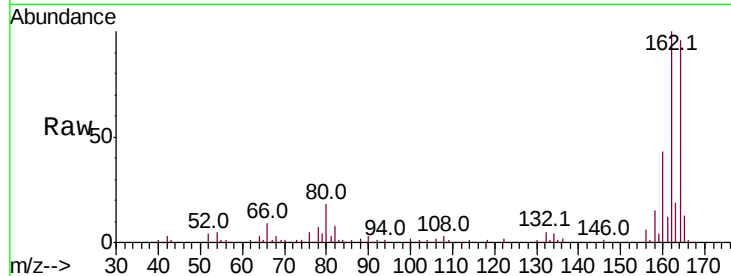




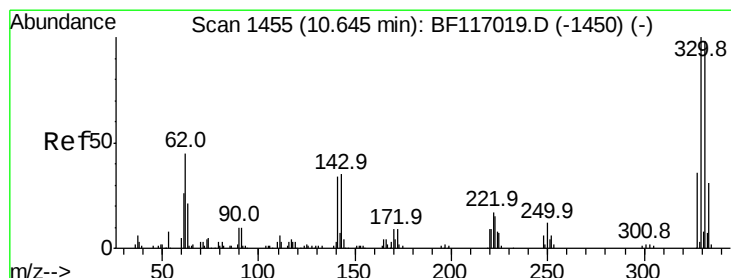
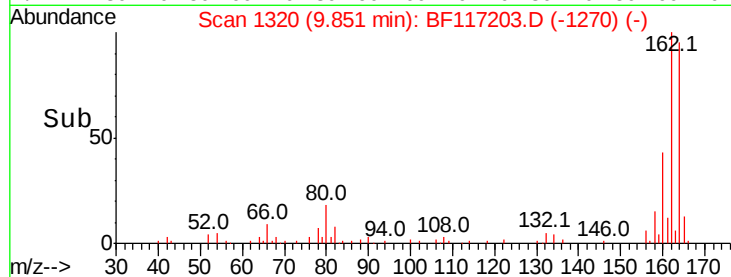
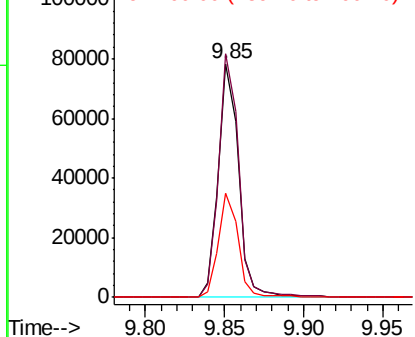
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF117203.D
Acq: 20 Sep 2019 23:09

Instrument :
BNA_F
ClientSampled :

Tot Ion:164 Resp: 69746
Ion Ratio Lower Upper
164 100
162 104.3 83.4 125.2
160 44.4 36.4 54.6

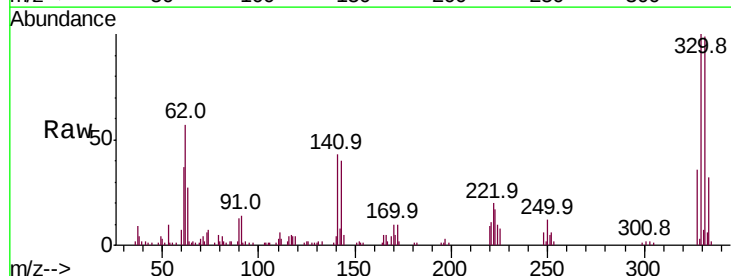


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

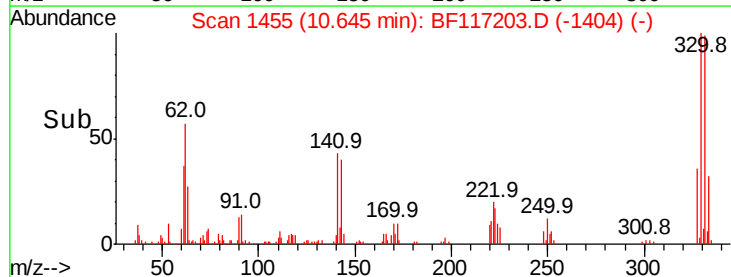
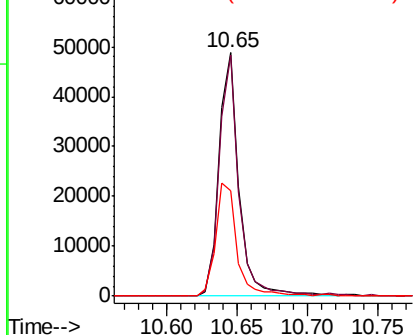


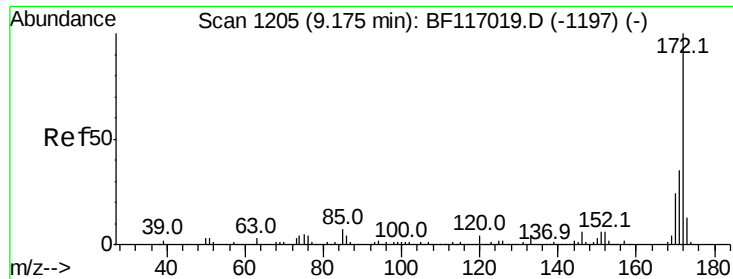
#42
2,4,6-Tribromophenol
Concen: 82.492 ng
RT: 10.65 min Scan# 1455
Delta R.T. -0.00 min
Lab File: BF117203.D
Acq: 20 Sep 2019 23:09

Tgt Ion:330 Resp: 48086
Ion Ratio Lower Upper
330 100
332 97.2 78.0 117.0
141 49.2 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

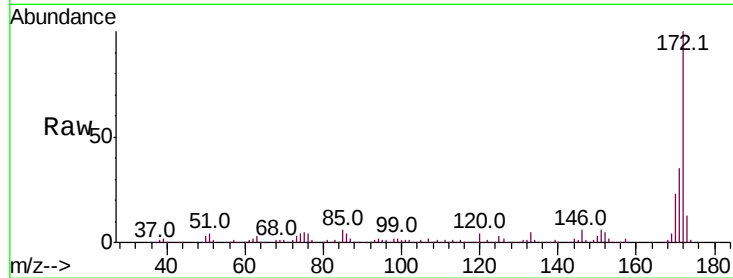




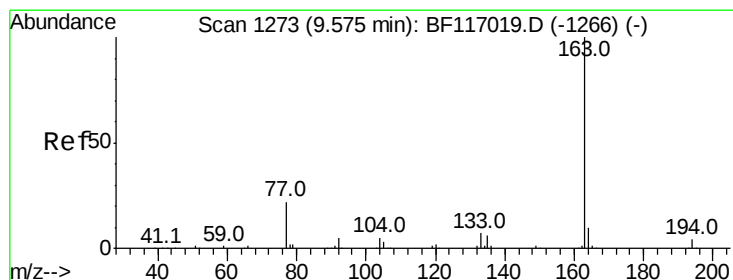
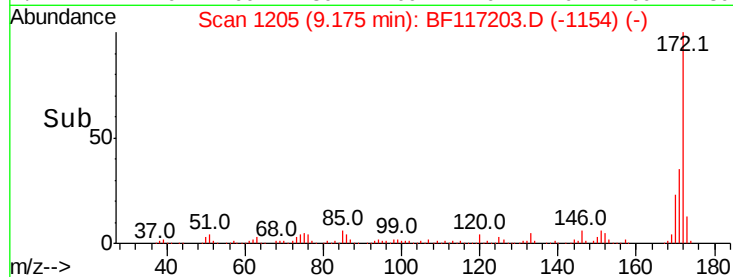
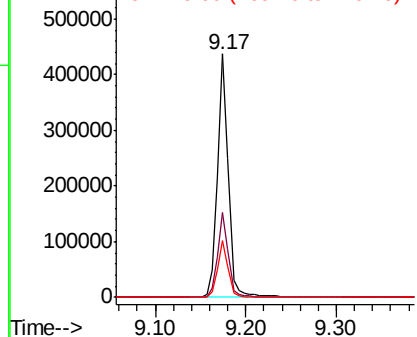
#45
 2-Fluorobiphenyl
 Concen: 82.346 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: BF117203.D
 Acq: 20 Sep 2019 23:09

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.2	42.2
170	23.4	18.9	28.3

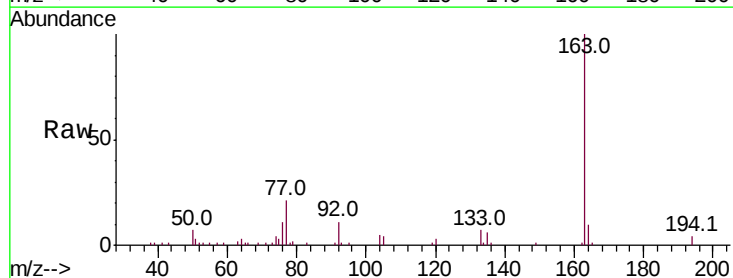


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

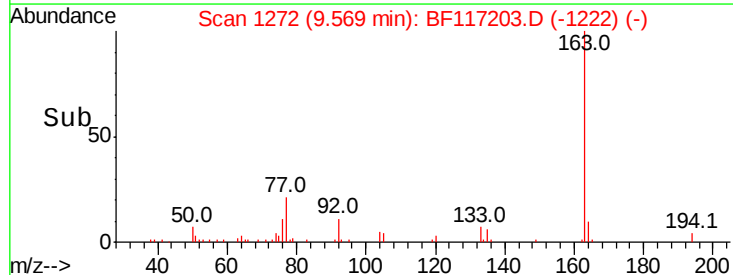
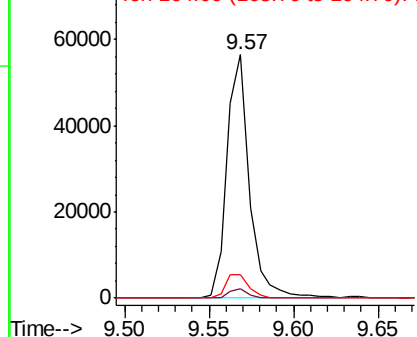


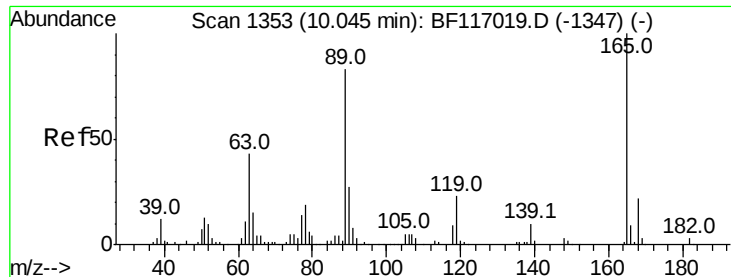
#50
 Dimethylphthalate
 Concen: 10.636 ng
 RT: 9.57 min Scan# 1272
 Delta R.T. -0.01 min
 Lab File: BF117203.D
 Acq: 20 Sep 2019 23:09

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	2.9	4.3
164	9.6	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

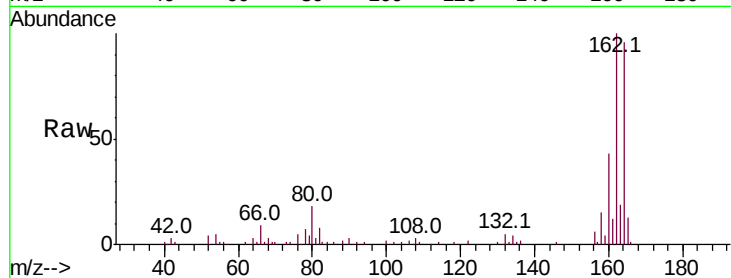




#57
 2,4-Dinitrotoluene
 Concen: 6.740 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF117203.D
 Acq: 20 Sep 2019 23:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	35.0	52.4#
89	0.0	66.1	99.1#
182	0.0	2.0	3.0#



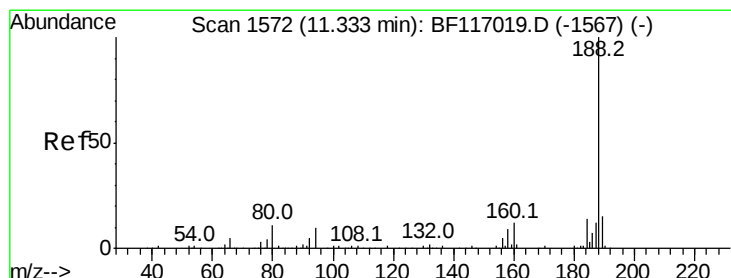
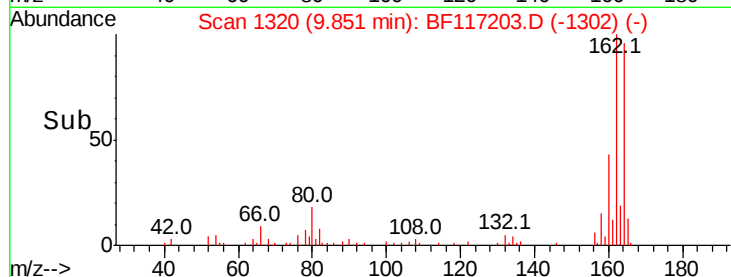
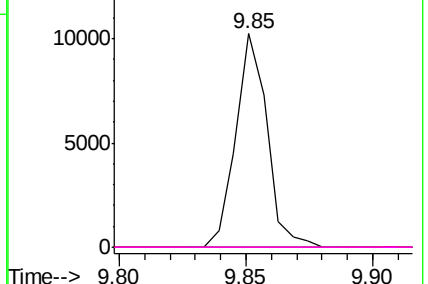
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

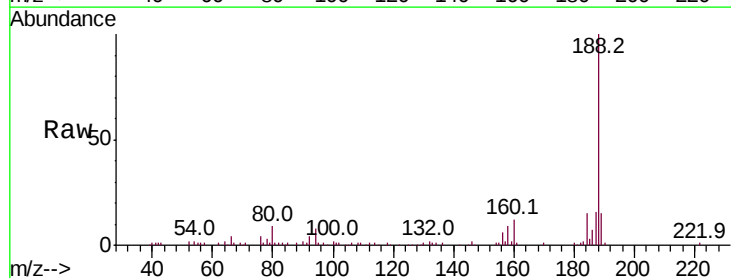
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: BF117203.D
 Acq: 20 Sep 2019 23:09

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.8	8.2	12.2#
80	9.0	9.0	13.6#

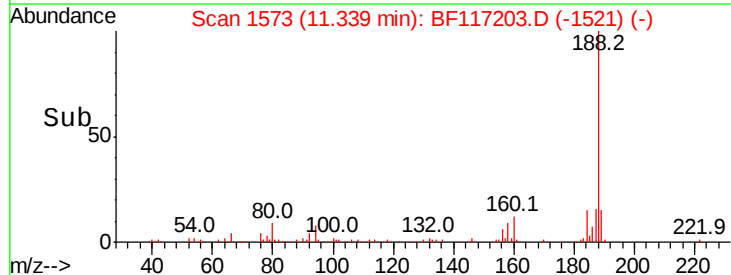
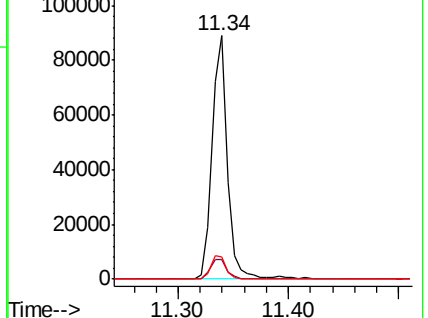


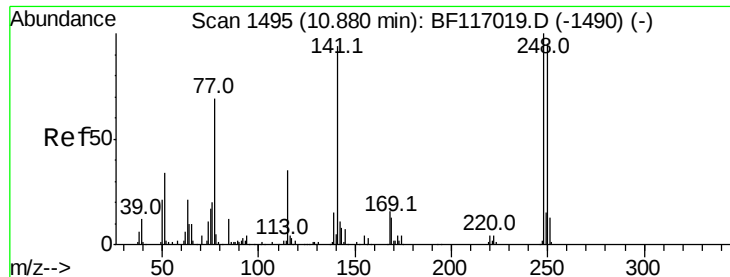
Abundance

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

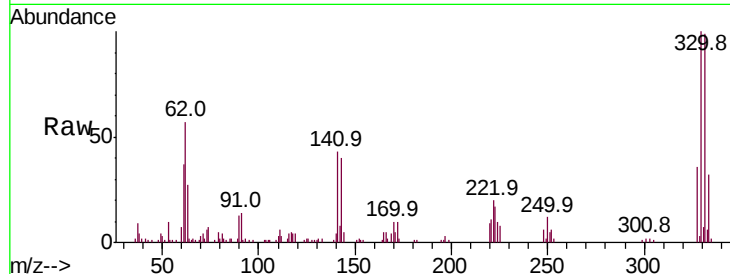




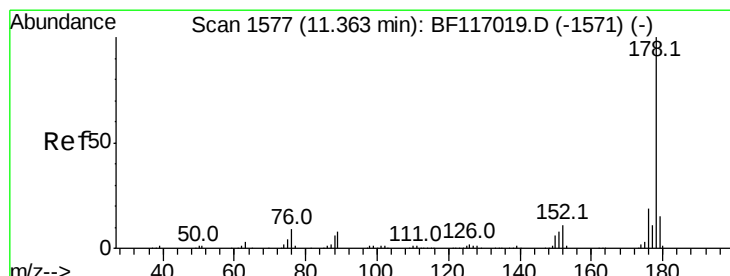
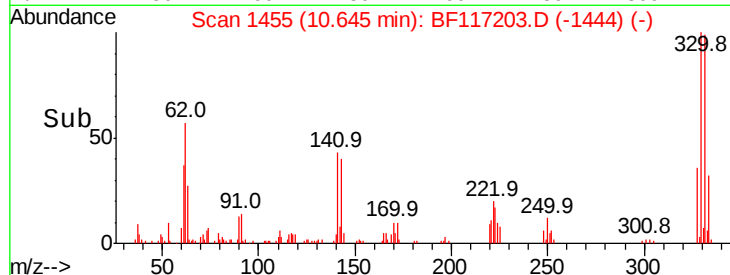
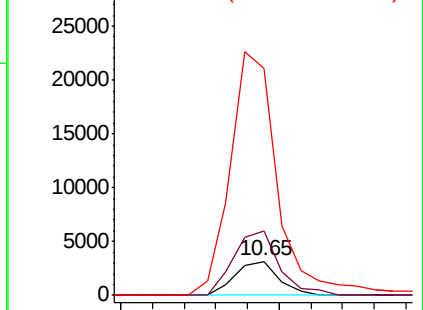
#67
 4-Bromophenyl-phenylether
 Concen: 3.522 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.24 min
 Lab File: BF117203.D
 Acq: 20 Sep 2019 23:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 3038
 Ion Ratio Lower Upper
 248 100
 250 187.9 76.2 114.4#
 141 667.1 75.0 112.4#

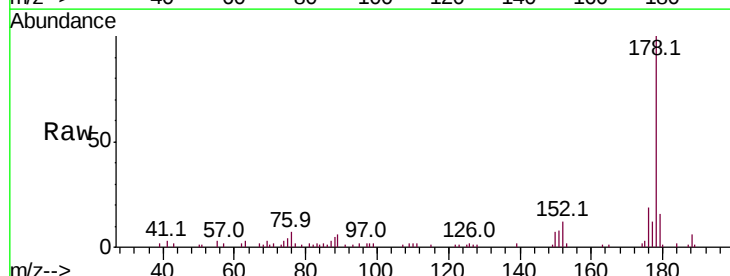


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

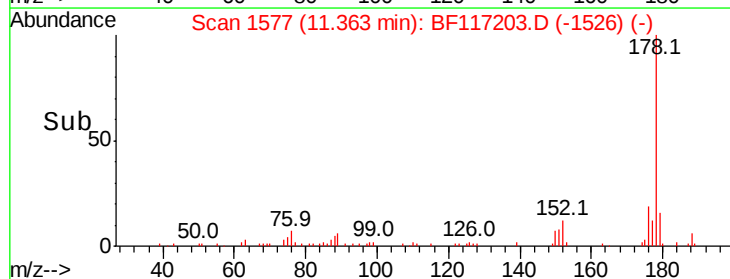
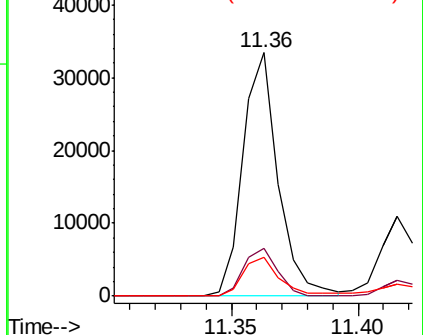


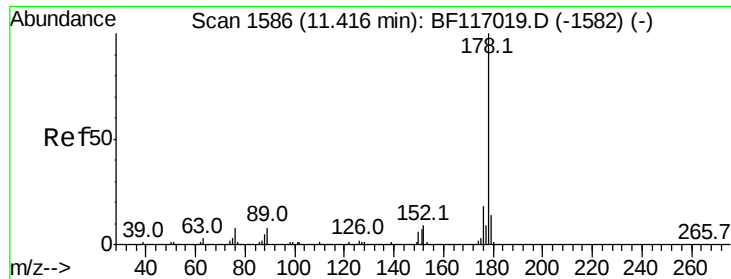
#71
 Phenanthrene
 Concen: 6.749 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.00 min
 Lab File: BF117203.D
 Acq: 20 Sep 2019 23:09

Tgt Ion:178 Resp: 32377
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.4 23.2
 179 16.1 12.4 18.6



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: 2.796 ng

RT: 11.42 min Scan# 1586

Delta R.T. -0.00 min

Lab File: BF117203.D

Acq: 20 Sep 2019 23:09

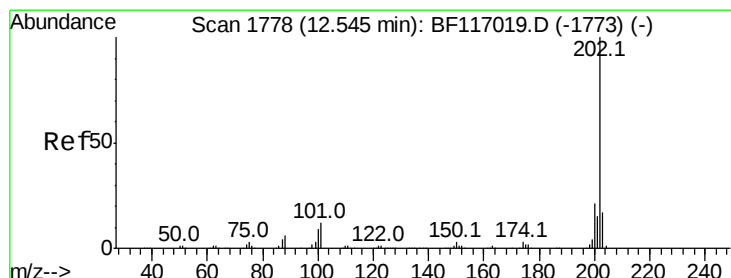
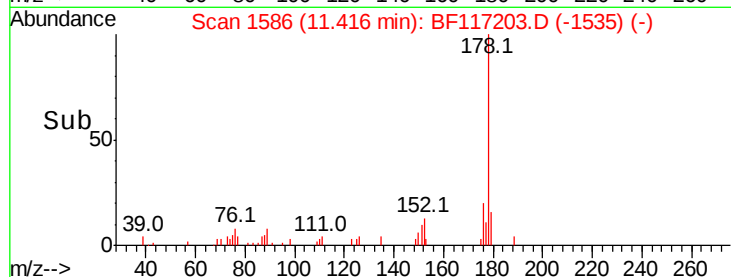
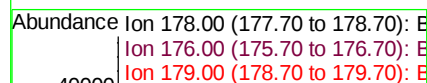
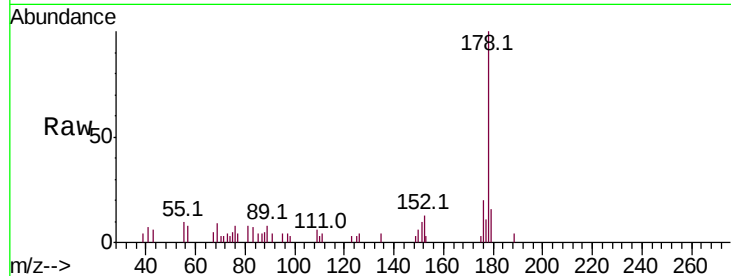
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 13693

Ion	Ratio	Lower	Upper
178	100		
176	19.7	14.6	21.8
179	15.7	11.6	17.4



#75

Fluoranthene

Concen: 15.636 ng

RT: 12.55 min Scan# 1779

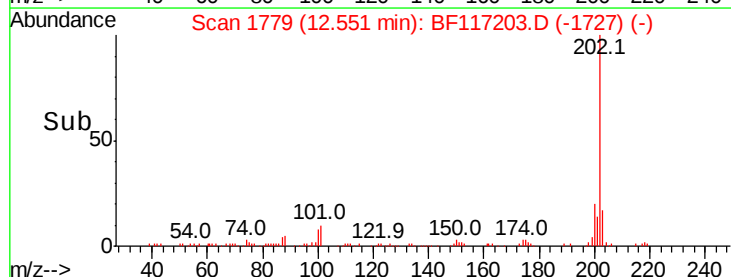
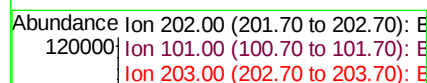
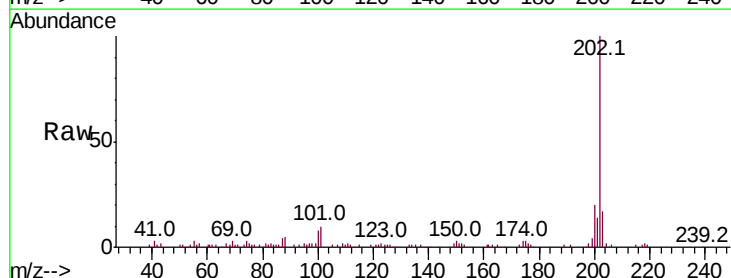
Delta R.T. 0.01 min

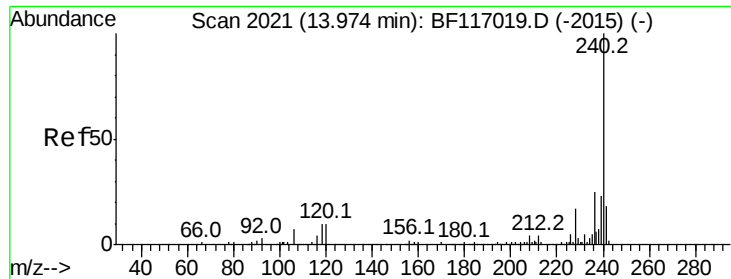
Lab File: BF117203.D

Acq: 20 Sep 2019 23:09

Tgt Ion:202 Resp: 77073

Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	32.3
203	17.4	0.0	37.1

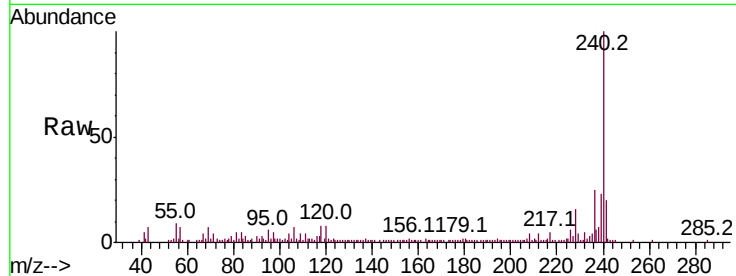




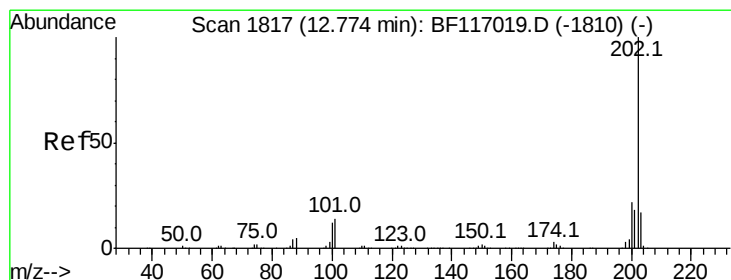
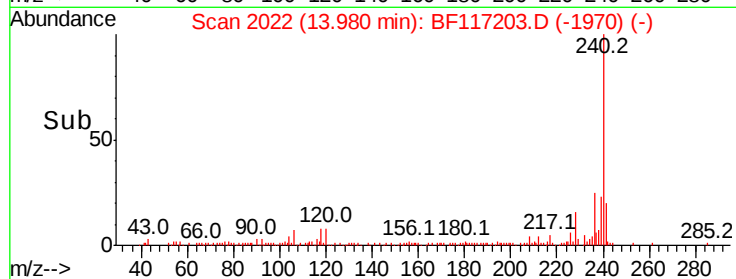
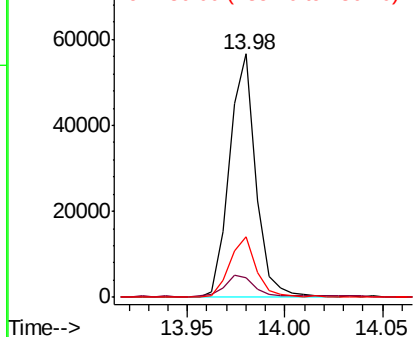
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. 0.01 min
 Lab File: BF117203.D
 Acq: 20 Sep 2019 23:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:240 Resp: 53167
 Ion Ratio Lower Upper
 240 100
 120 8.0 8.3 12.5#
 236 24.7 20.3 30.5

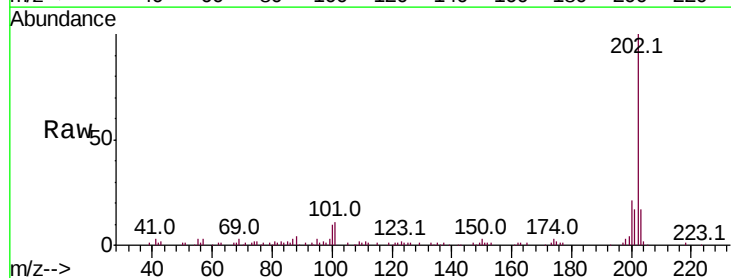


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

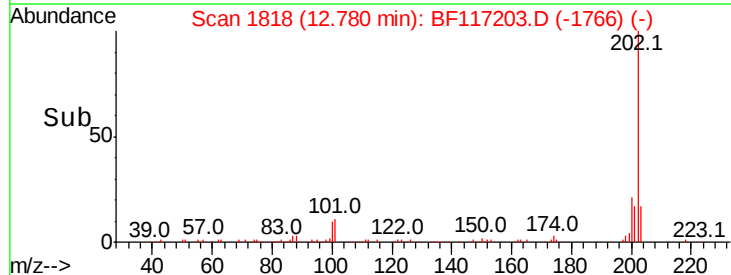
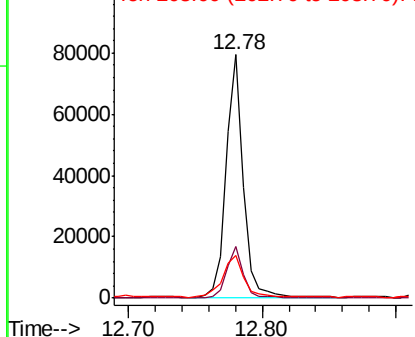


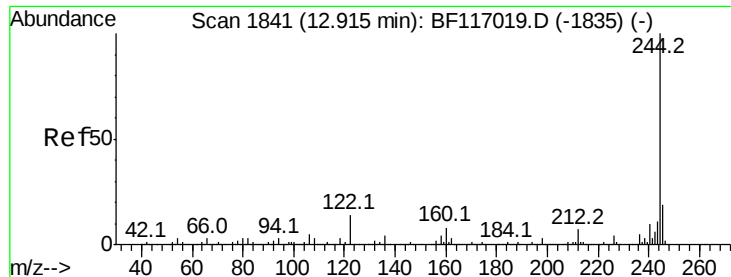
#78
 Pyrene
 Concen: 16.406 ng
 RT: 12.78 min Scan# 1818
 Delta R.T. 0.01 min
 Lab File: BF117203.D
 Acq: 20 Sep 2019 23:09

Tgt Ion:202 Resp: 73187
 Ion Ratio Lower Upper
 202 100
 200 21.2 17.2 25.8
 203 17.3 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

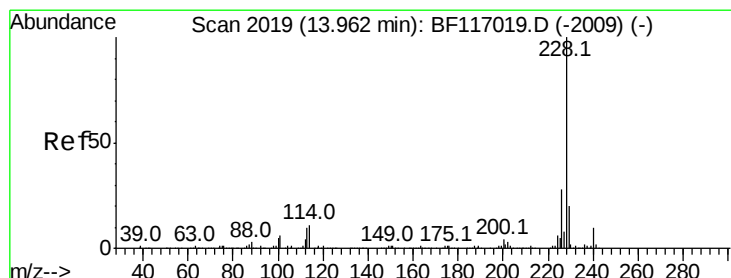
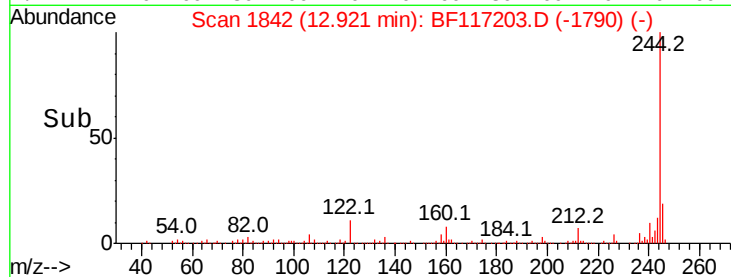
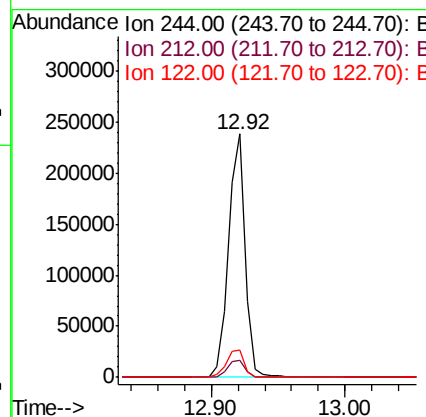
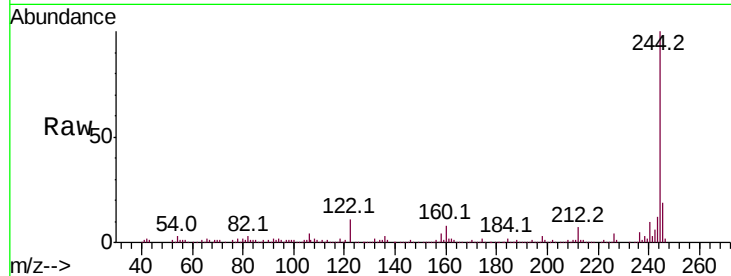




#79
 Terphenyl-d14
 Concen: 73.808 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. 0.01 min
 Lab File: BF117203.D
 Acq: 20 Sep 2019 23:09

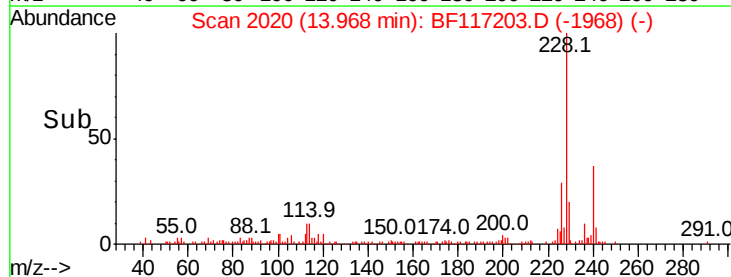
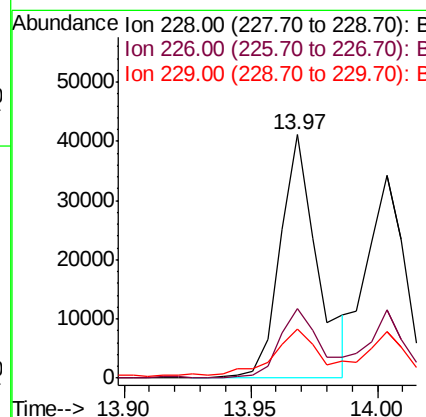
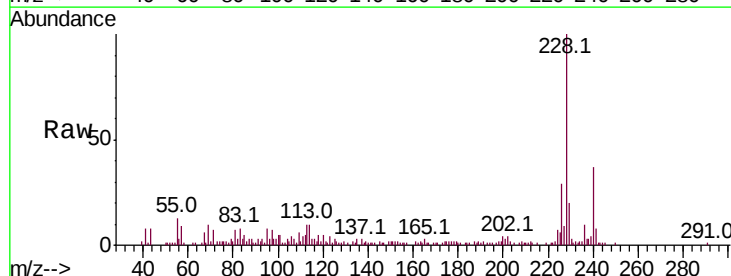
Instrument :
 BNA_F
 ClientSampleId :

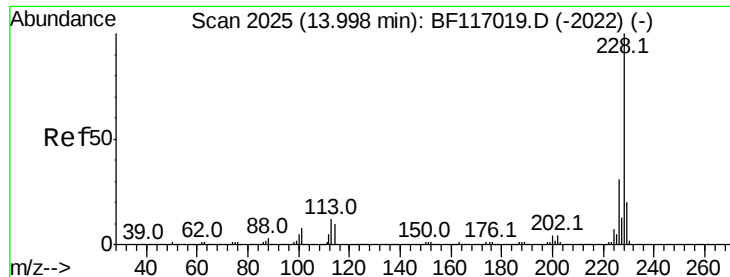
Tot Ion:244 Resp: 209934
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.8
 122 11.0 11.3 16.9#



#81
 Benzo(a)anthracene
 Concen: 11.770 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. 0.01 min
 Lab File: BF117203.D
 Acq: 20 Sep 2019 23:09

Tgt Ion:228 Resp: 41809
 Ion Ratio Lower Upper
 228 100
 226 28.7 22.3 33.5
 229 20.1 15.9 23.9

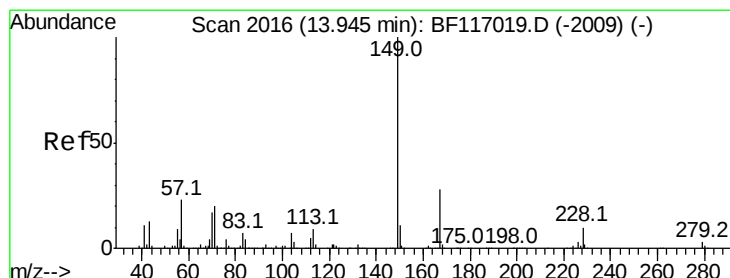
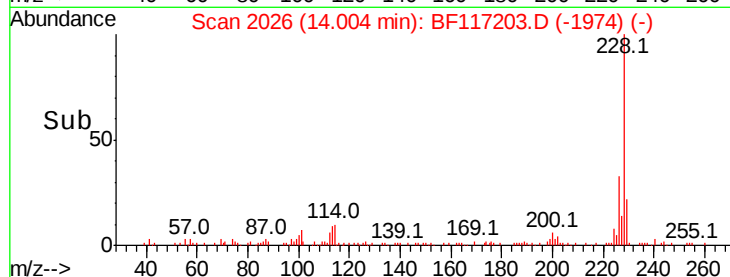
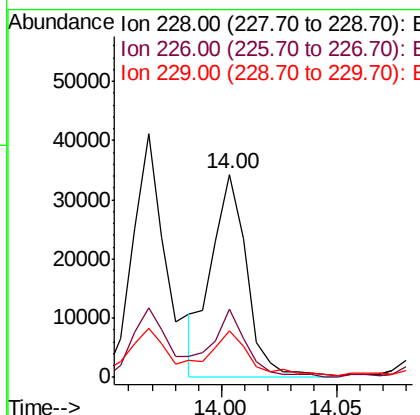
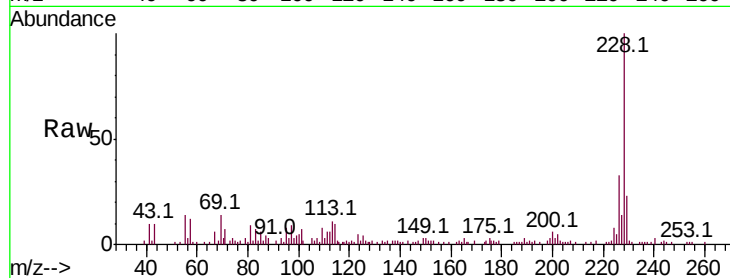




#83
 Chrysene
 Concen: 10.592 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. 0.01 min
 Lab File: BF117203.D
 Acq: 20 Sep 2019 23:09

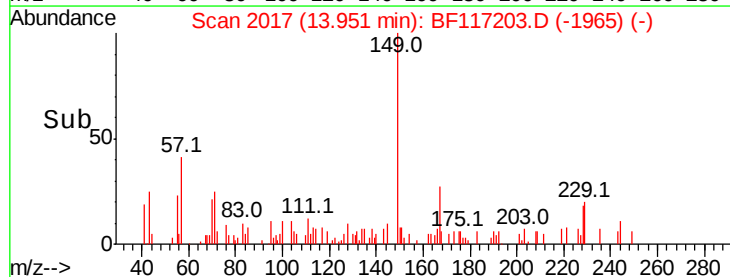
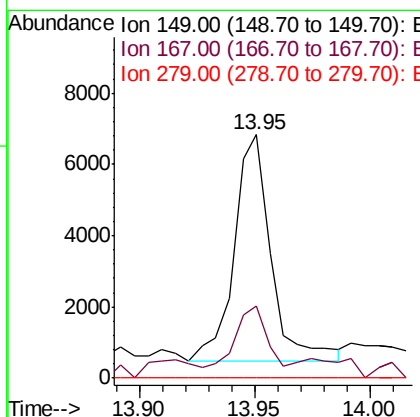
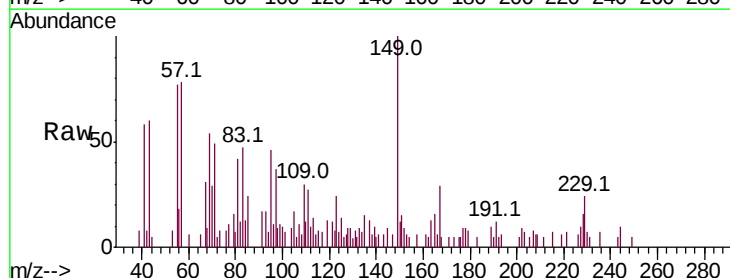
Instrument :
 BNA_F
 ClientSampleID :

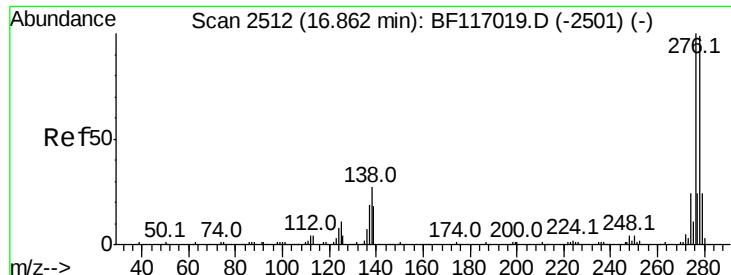
Tot Ion	Ratio	Lower	Upper
228	100		
226	33.5	24.8	37.2
229	22.8	15.8	23.8



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.622 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. 0.01 min
 Lab File: BF117203.D
 Acq: 20 Sep 2019 23:09

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.4	22.2	33.2
279	0.0	2.8	4.2#

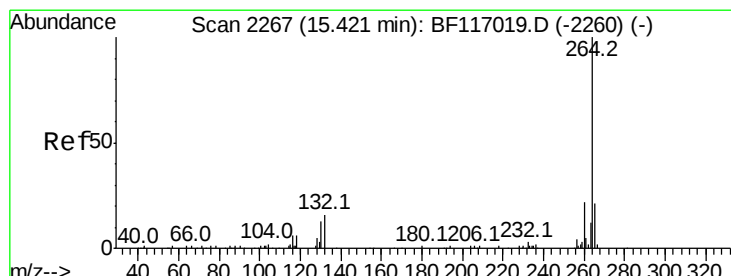
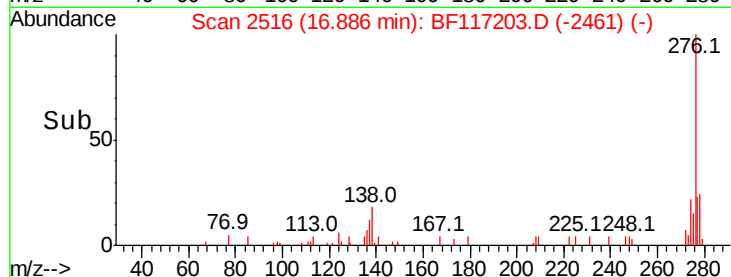
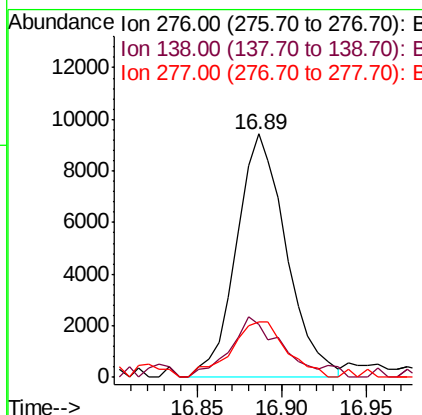
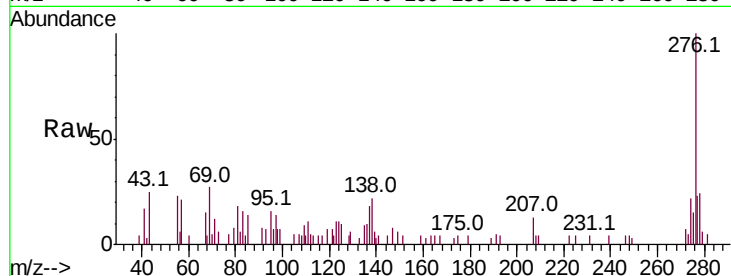




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 7.682 ng
 RT: 16.89 min Scan# 2516
 Delta R.T. 0.02 min
 Lab File: BF117203.D
 Acq: 20 Sep 2019 23:09

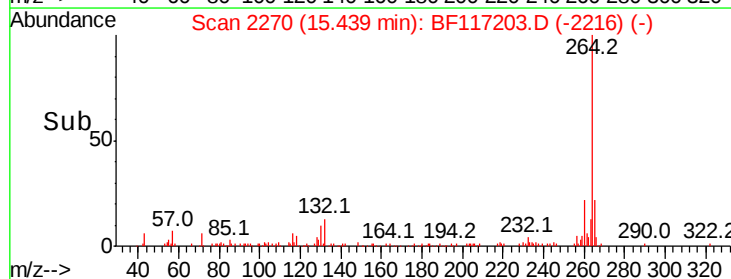
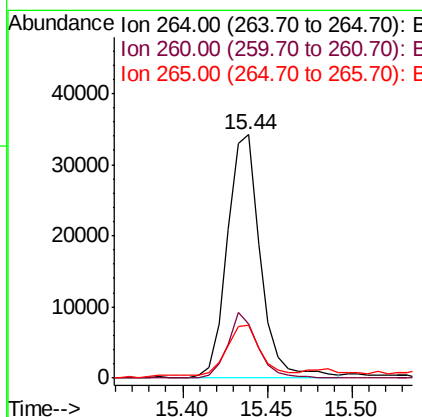
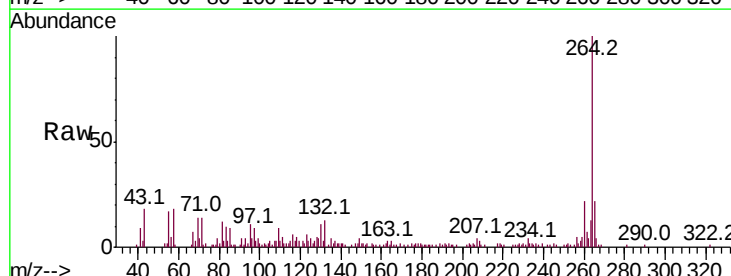
Instrument :
 BNA_F
 ClientSampleId :

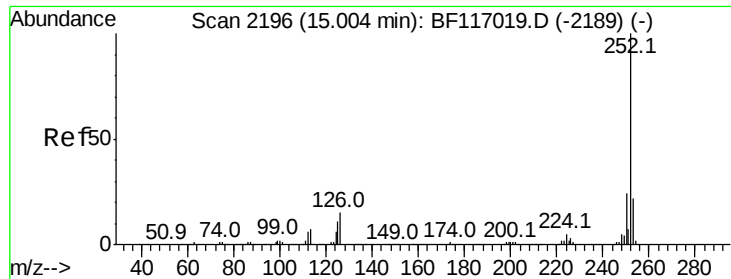
Tot Ion	Ratio	Lower	Upper
276	100		
138	26.5	20.7	31.1
277	25.2	19.8	29.8



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2270
 Delta R.T. 0.02 min
 Lab File: BF117203.D
 Acq: 20 Sep 2019 23:09

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.1	17.6	26.4
265	21.9	16.6	24.8





#88

Benzo(b)fluoranthene

Concen: 22.042 ng

RT: 15.02 min Scan# 2198

Delta R.T. 0.01 min

Lab File: BF117203.D

Acq: 20 Sep 2019 23:09

Instrument :

BNA_F

ClientSampleId :

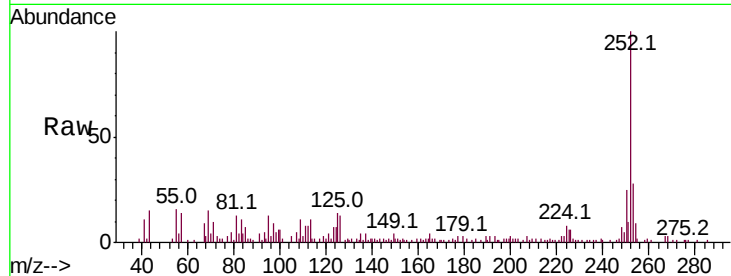
Tot Ion:252 Resp: 62321

Ion Ratio Lower Upper

252 100

253 27.9 17.6 26.4#

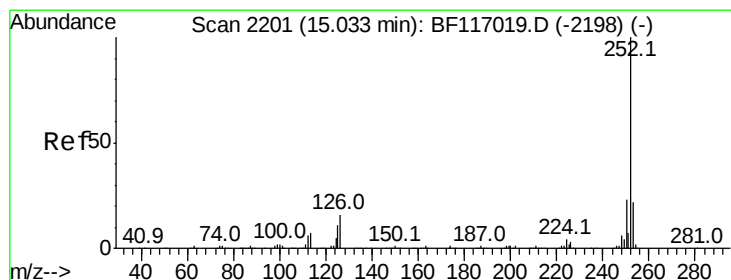
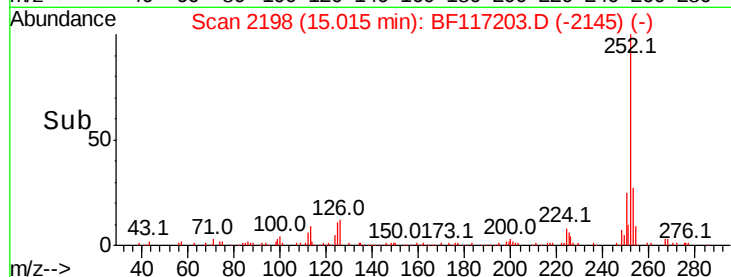
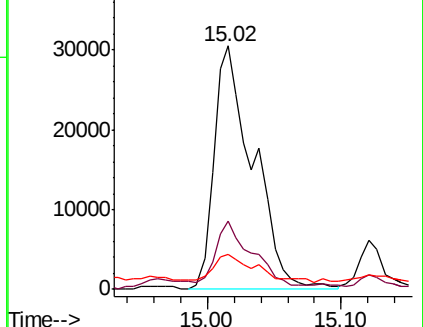
125 14.2 8.6 12.8#



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



#89

Benzo(k)fluoranthene

Concen: 23.269 ng

RT: 15.02 min Scan# 2198

Delta R.T. -0.02 min

Lab File: BF117203.D

Acq: 20 Sep 2019 23:09

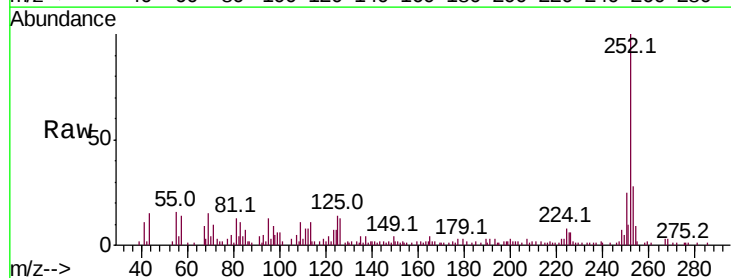
Tgt Ion:252 Resp: 62321

Ion Ratio Lower Upper

252 100

253 27.9 17.4 26.2#

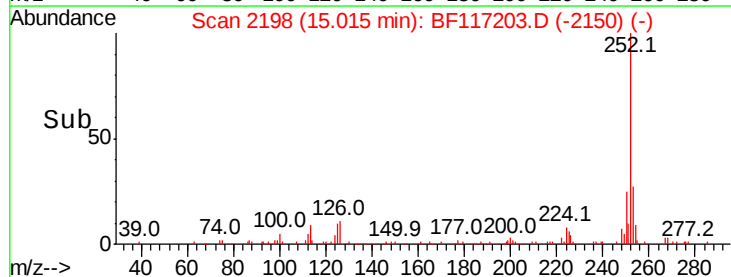
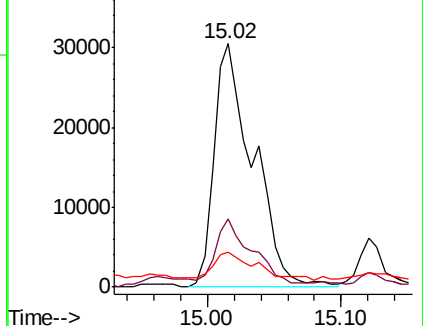
125 14.2 8.8 13.2#

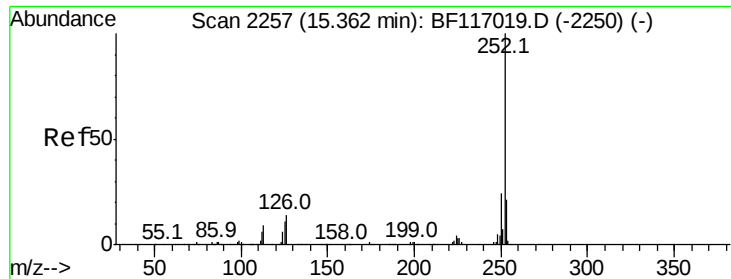


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 12.531 ng

RT: 15.37 min Scan# 2259

Delta R.T. 0.01 min

Lab File: BF117203.D

Acq: 20 Sep 2019 23:09

Instrument :

BNA_F

ClientSampleId :

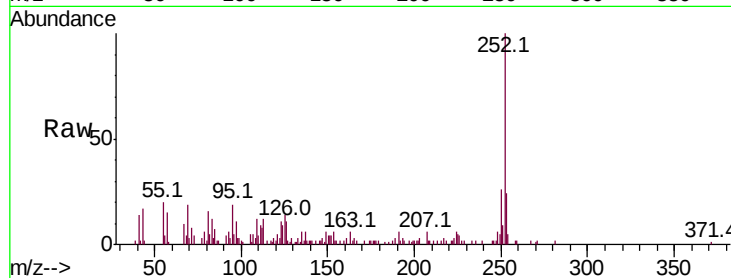
Tot Ion:252 Resp: 31091

Ion Ratio Lower Upper

252 100

253 24.2 16.6 25.0

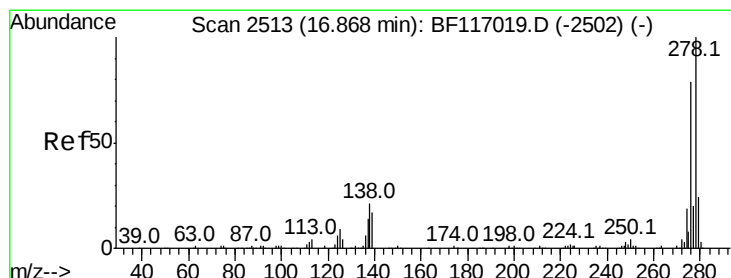
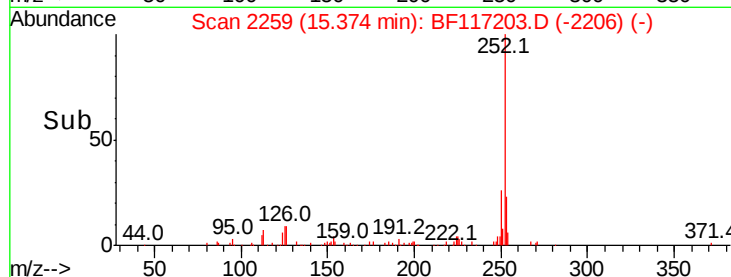
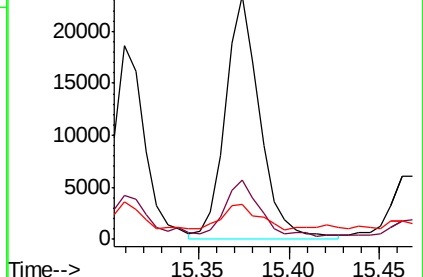
125 14.4 8.9 13.3#



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: 3.090 ng

RT: 16.87 min Scan# 2514

Delta R.T. 0.01 min

Lab File: BF117203.D

Acq: 20 Sep 2019 23:09

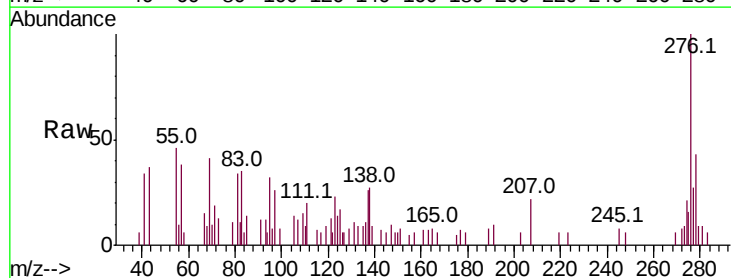
Tgt Ion:278 Resp: 6107

Ion Ratio Lower Upper

278 100

139 21.7 13.5 20.3#

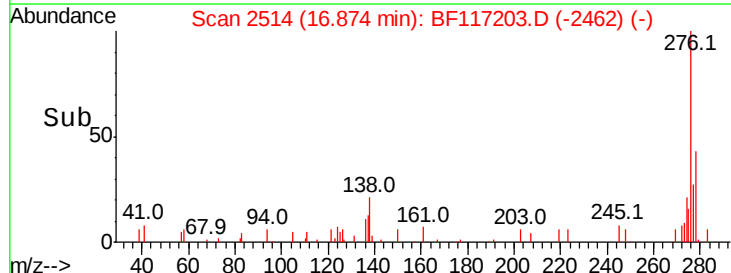
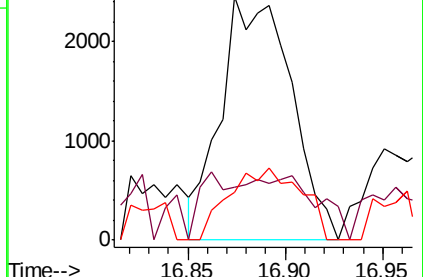
279 19.9 18.8 28.2

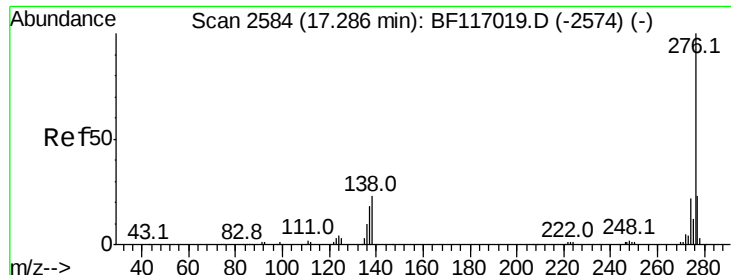


Abundance Ion 278.00 (277.70 to 278.70): E

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: 9.372 ng

RT: 17.32 min Scan# 2590

Delta R.T. 0.04 min

Lab File: BF117203.D

Acq: 20 Sep 2019 23:09

Instrument :

BNA_F

ClientSampleId :

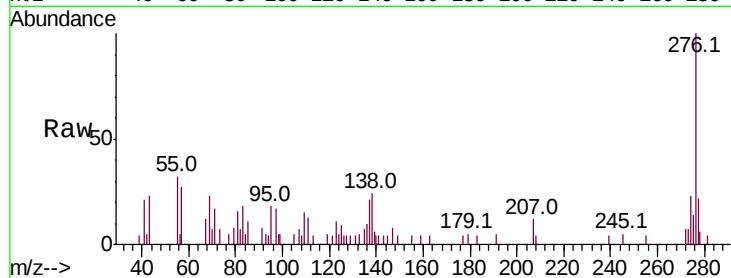
Tot Ion:276 Resp: 18459

Ion Ratio Lower Upper

276 100

277 22.1 18.6 27.8

138 24.1 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

