

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022620\
 Data File : BF119097.D
 Acq On : 26 Feb 2020 16:24
 Operator : CG/JU
 Sample : L1675-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 26 17:40:36 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 26 16:03:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	163249	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	612823	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	315961	20.00	ng	-0.01
64) Phenanthrene-d10	11.26	188	506233	20.00	ng	0.00
76) Chrysene-d12	13.90	240	318086	20.00	ng	0.00
87) Perylene-d12	15.32	264	389633	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.37	112	1008194	103.21	ng	0.00
7) Phenol-d6	6.39	99	1209913	101.84	ng	-0.01
23) Nitrobenzene-d5	7.31	82	800189	68.94	ng	-0.01
42) 2,4,6-Tribromophenol	10.57	330	373862	90.45	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1487910	69.37	ng	0.00
79) Terphenyl-d14	12.84	244	1265454	68.49	ng	-0.01

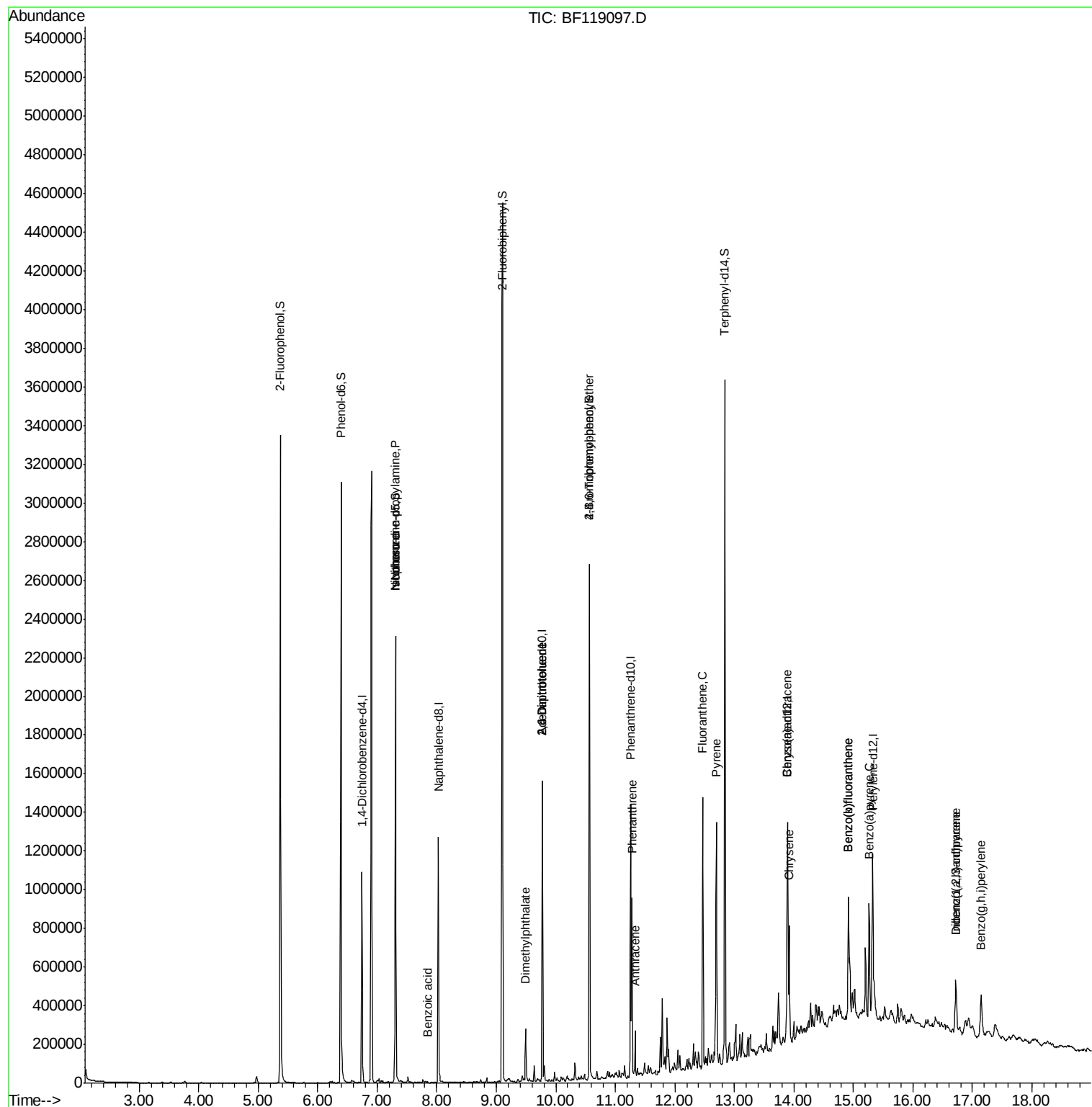
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.31	70	110661	15.985	ng	# 74
25) Isophorone	7.31	82	786827	39.035	ng	# 63
32) Benzoic acid	7.84	122	125	6.698	ng	# 39
50) Dimethylphthalate	9.49	163	105703	4.375	ng	99
51) 2,6-Dinitrotoluene	9.77	165	42902	7.992	ng	# 32
57) 2,4-Dinitrotoluene	9.77	165	42902	6.166	ng	# 20
67) 4-Bromophenyl-phenylether	10.57	248	25057	3.787	ng	# 1
71) Phenanthrene	11.28	178	329968	11.952	ng	97
72) Anthracene	11.33	178	83220	3.017	ng	97
75) Fluoranthene	12.47	202	562486	19.194	ng	99
78) Pyrene	12.70	202	499986	19.575	ng	98
81) Benzo(a)anthracene	13.89	228	240587	11.101	ng	98
83) Chrysene	13.92	228	211574	9.797	ng	97
86) Indeno(1,2,3-cd)pyrene	16.72	276	185613	8.877	ng	96
88) Benzo(b)fluoranthene	14.92	252	454954	17.715	ng	99
89) Benzo(k)fluoranthene	14.92	252	454954	19.115	ng	98
90) Benzo(a)pyrene	15.26	252	257787	11.122	ng	100
91) Dibenzo(a,h)anthracene	16.72	278	48411	2.374	ng	# 80
92) Benzo(a,h,i)perylene	17.14	276	178874	8.877	ng	98

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

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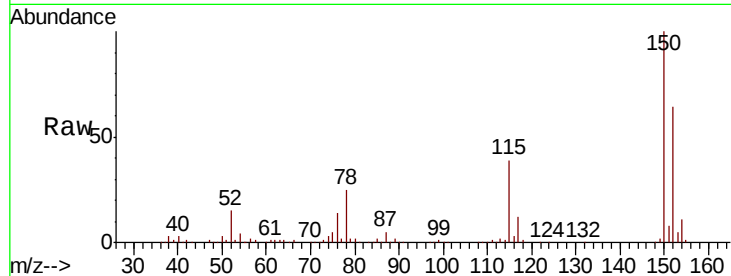


#1

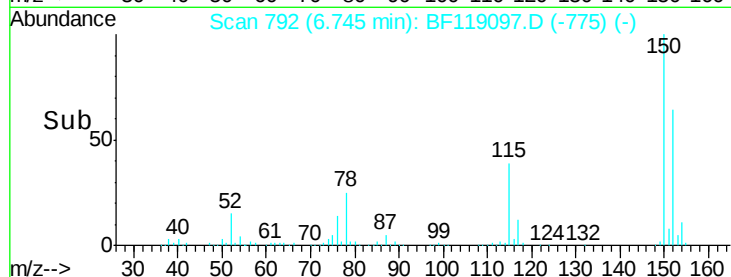
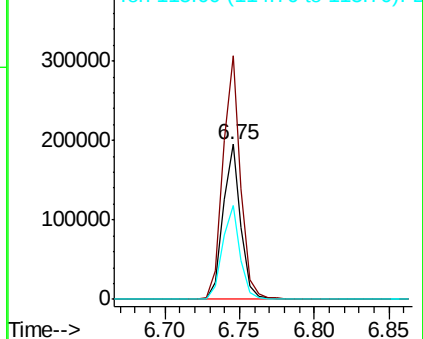
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.75 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: BF119097.D
 Acq: 26 Feb 2020 16:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 163249
 Ion Ratio Lower Upper
 152 100
 150 156.9 123.0 184.6
 115 60.7 49.5 74.3



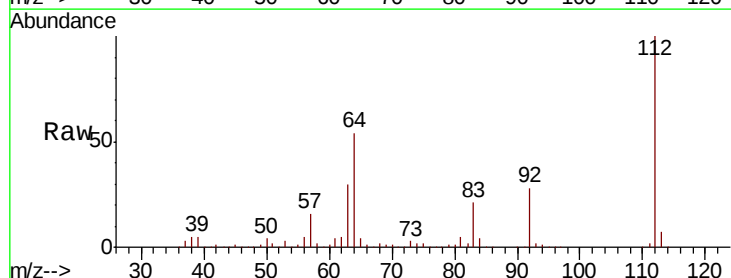
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



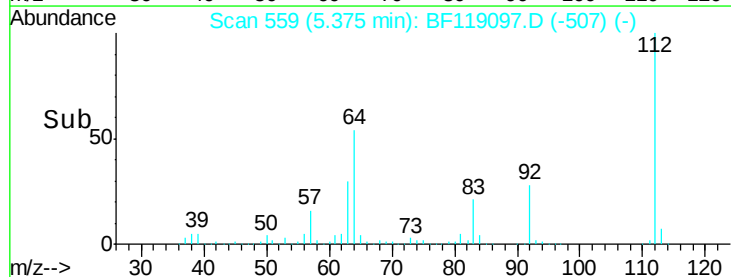
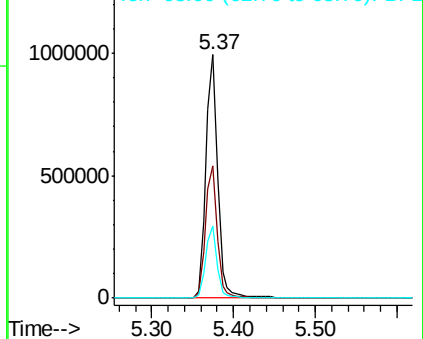
#5

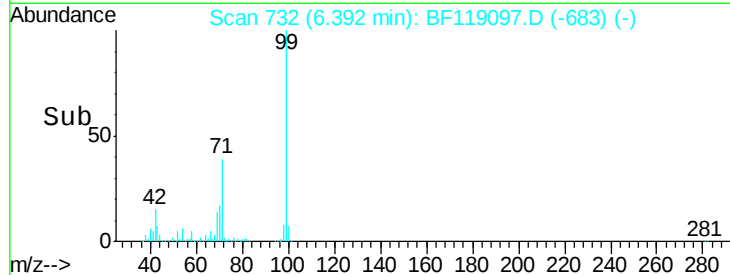
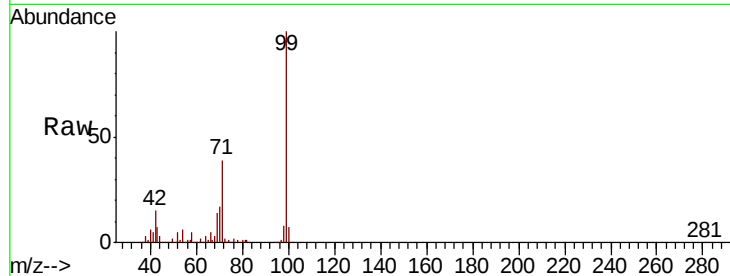
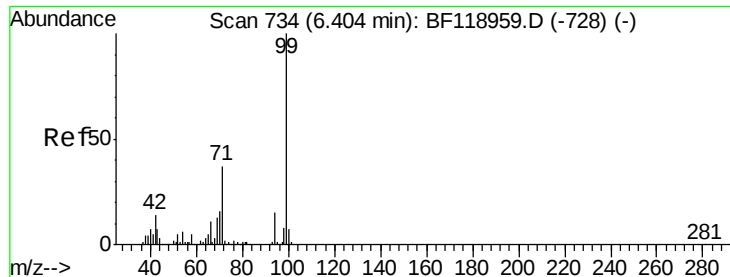
2-Fluorophenol
 Concen: 103.209 ng
 RT: 5.37 min Scan# 559
 Delta R.T. 0.01 min
 Lab File: BF119097.D
 Acq: 26 Feb 2020 16:24

Tgt Ion:112 Resp: 1008194
 Ion Ratio Lower Upper
 112 100
 64 54.2 45.0 67.4
 63 29.6 24.2 36.4



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

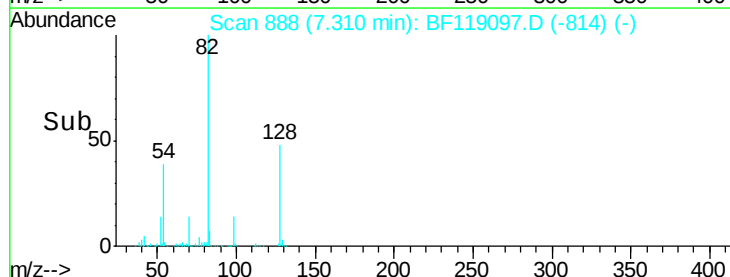
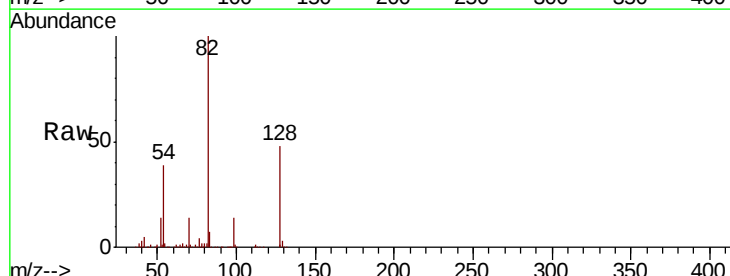
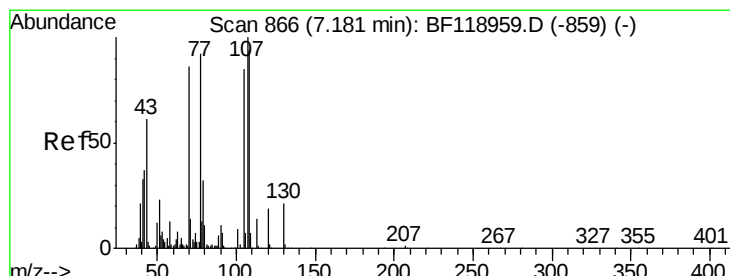
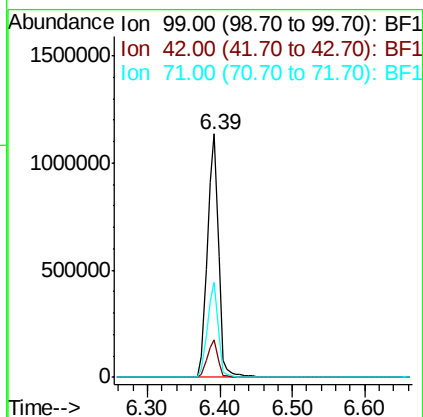




#7
Phenol-d6
Concen: 101.842 ng
RT: 6.39 min Scan# 732
Delta R.T. -0.01 min
Lab File: BF119097.D
Acq: 26 Feb 2020 16:24

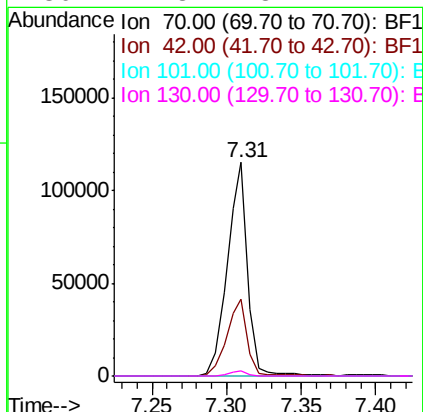
Instrument :
BNA_F
ClientSampled :

Tot Ion: 99 Resp: 1209913
Ion Ratio Lower Upper
99 100
42 15.4 12.6 18.8
71 39.0 31.0 46.4



#19
n-Nitroso-di-n-propylamine
Concen: 15.985 ng
RT: 7.31 min Scan# 888
Delta R.T. 0.14 min
Lab File: BF119097.D
Acq: 26 Feb 2020 16:24

Tgt Ion: 70 Resp: 110661
Ion Ratio Lower Upper
70 100
42 35.9 38.0 57.0#
101 0.0 8.2 12.4#
130 2.3 18.2 27.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.03 min Scan# 1010

Delta R.T. -0.01 min

Lab File: BF119097.D

Acq: 26 Feb 2020 16:24

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 612823

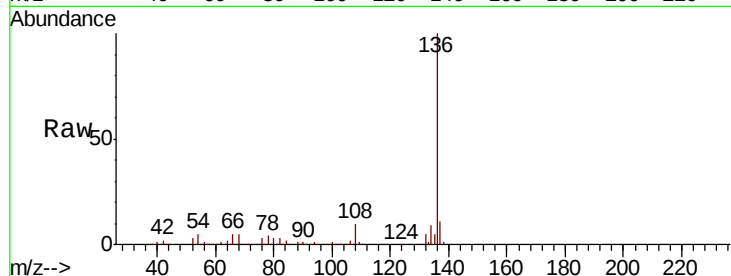
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 4.7 3.8 5.6

68 4.9 3.9 5.9

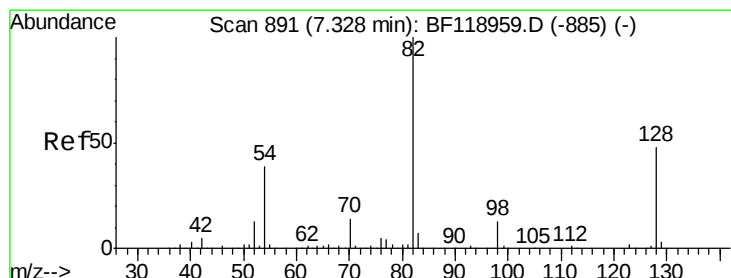
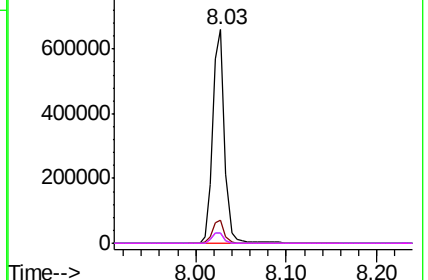
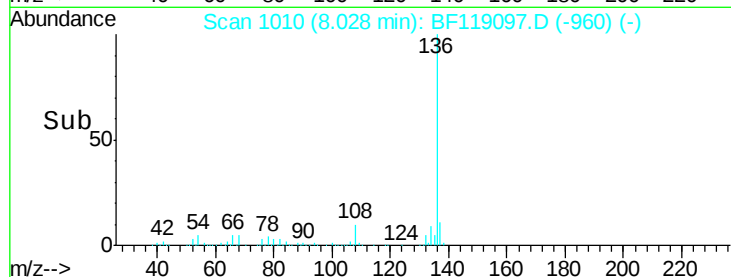


Abundance Ion 136.00 (135.70 to 136.70): E

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: 68.943 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.01 min

Lab File: BF119097.D

Acq: 26 Feb 2020 16:24

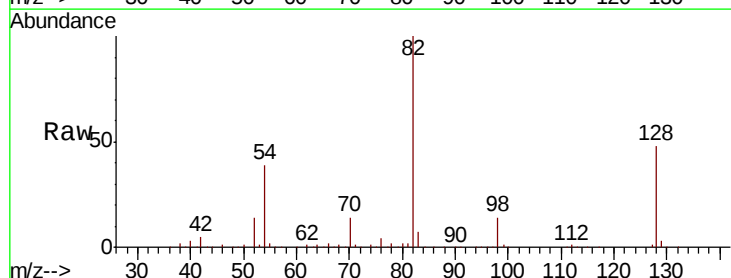
Tgt Ion: 82 Resp: 800189

Ion Ratio Lower Upper

82 100

128 47.6 37.9 56.9

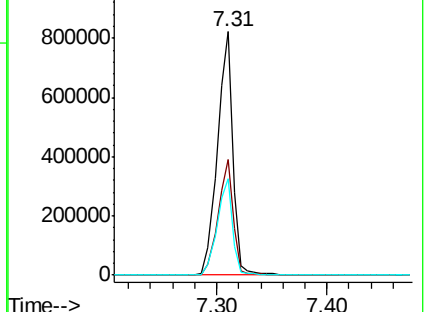
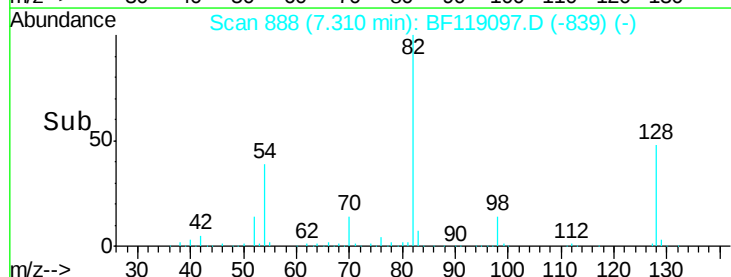
54 39.5 33.4 50.2



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: 39.035 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.27 min

Lab File: BF119097.D

Acq: 26 Feb 2020 16:24

Instrument :

BNA_F

ClientSampleId :

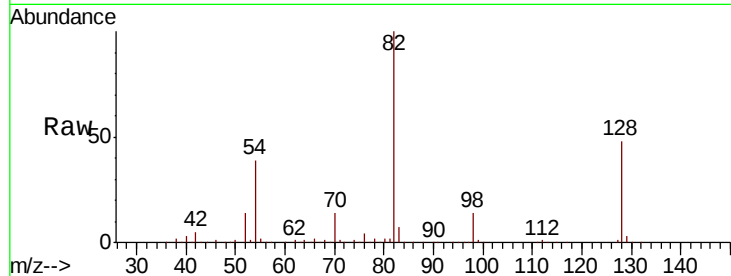
Tot Ion: 82 Resp: 786827

Ion Ratio Lower Upper

82 100

95 0.0 6.4 9.6#

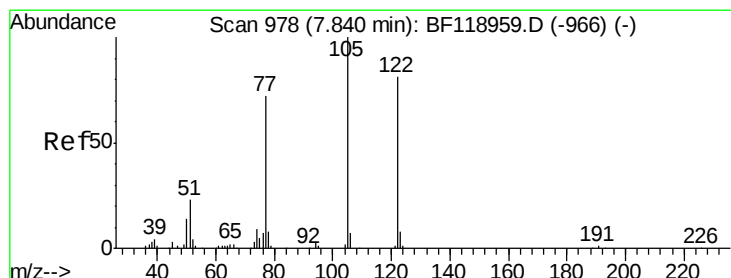
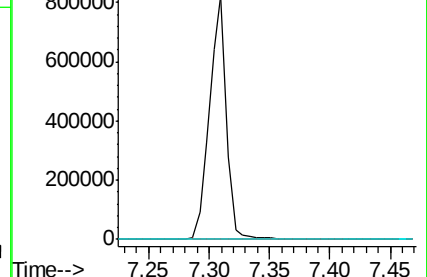
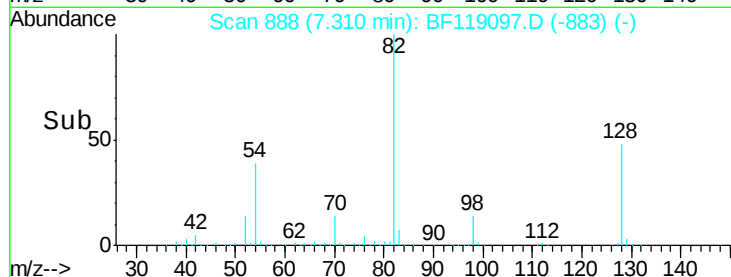
138 0.0 15.7 23.5#



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



#32

Benzoic acid

Concen: 6.698 ng

RT: 7.84 min Scan# 978

Delta R.T. -0.02 min

Lab File: BF119097.D

Acq: 26 Feb 2020 16:24

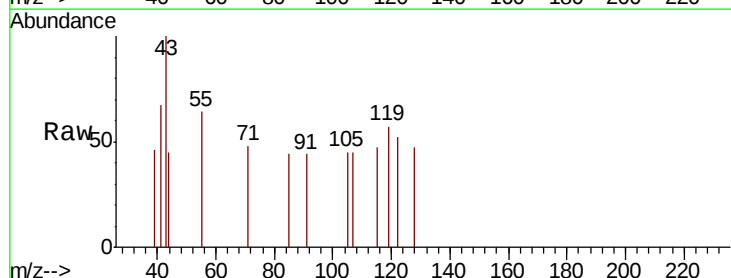
Tgt Ion: 122 Resp: 125

Ion Ratio Lower Upper

122 100

105 86.7 106.3 146.3#

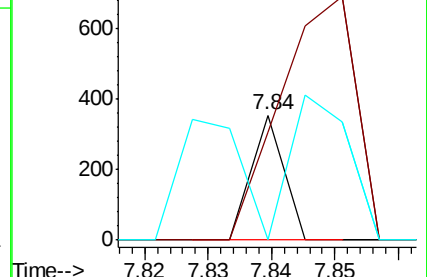
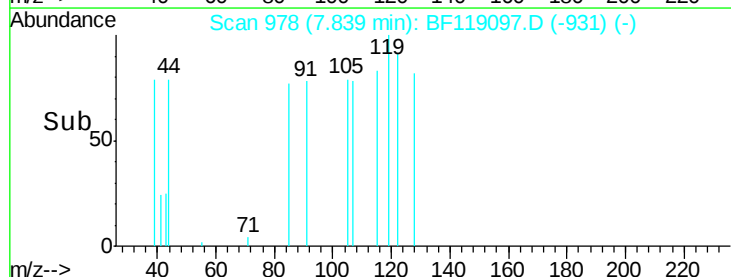
77 0.0 73.1 113.1#

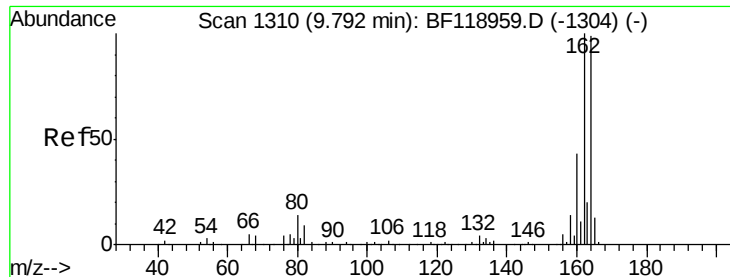


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

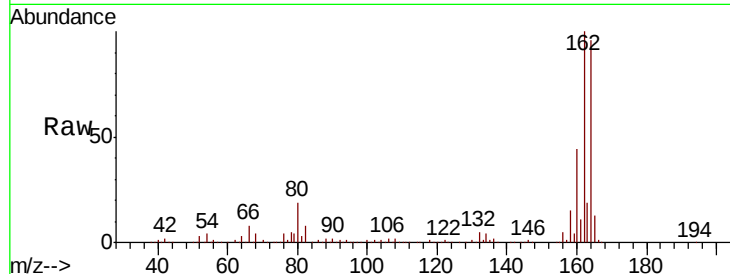




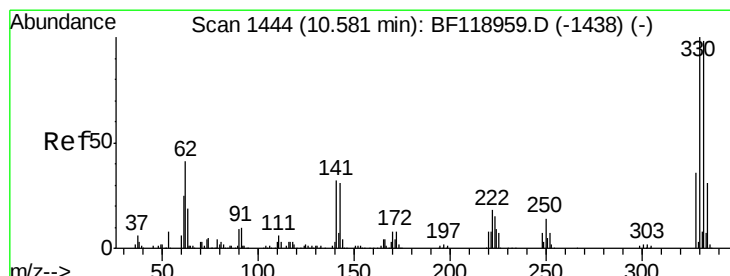
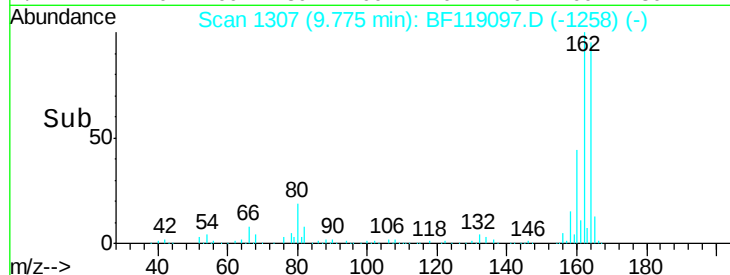
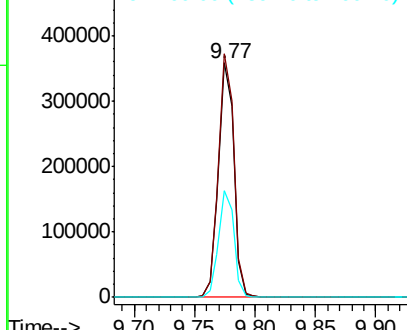
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BF119097.D
Acq: 26 Feb 2020 16:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.8	81.8	122.8
160	45.5	36.0	54.0

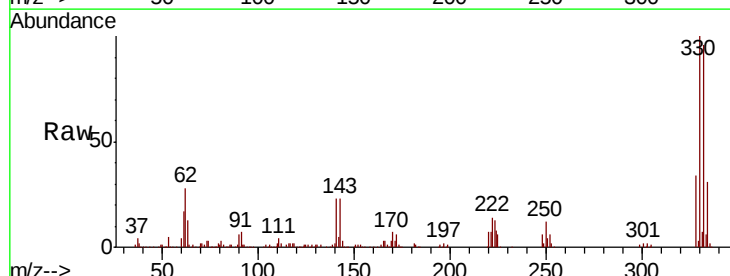


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

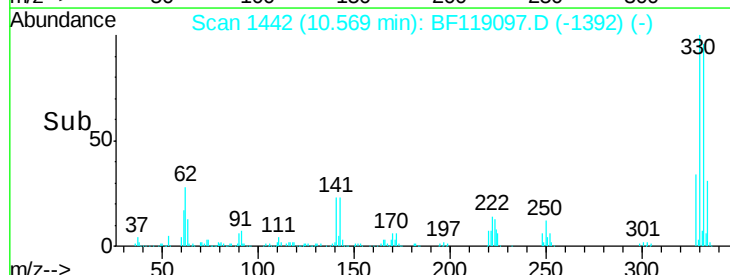
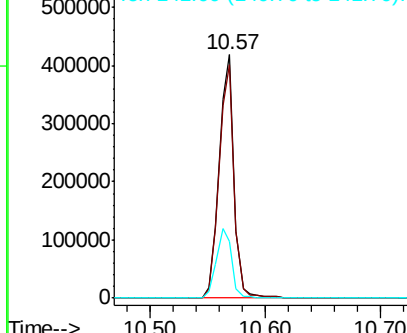


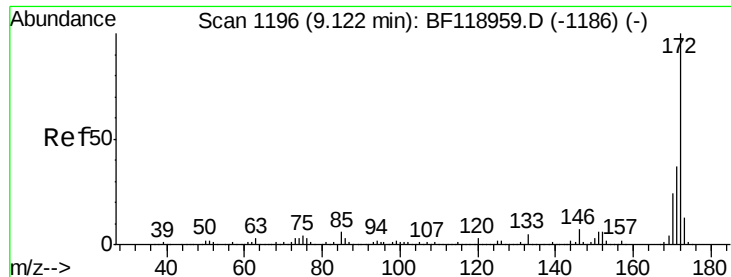
#42
2,4,6-Tribromophenol
Concen: 90.451 ng
RT: 10.57 min Scan# 1442
Delta R.T. -0.01 min
Lab File: BF119097.D
Acq: 26 Feb 2020 16:24

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.5	76.0	114.0
141	30.0	22.9	34.3



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

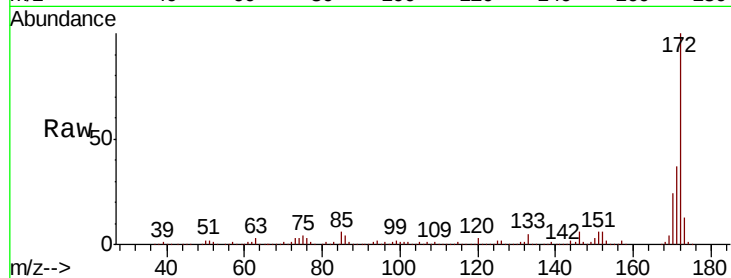




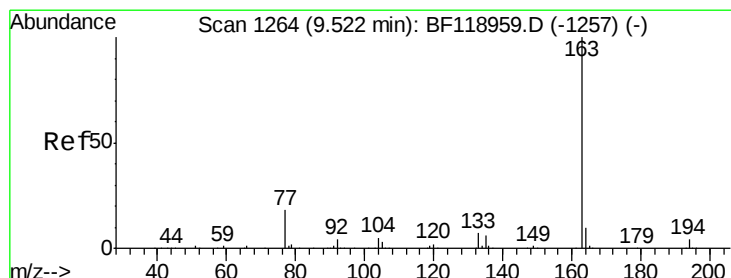
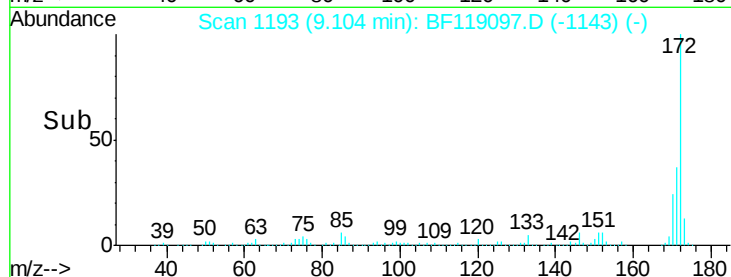
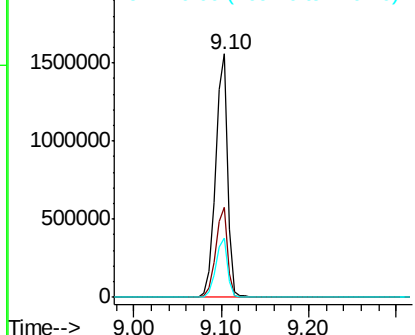
#45
2-Fluorobiphenyl
Concen: 69.374 ng
RT: 9.10 min Scan# 1193
Delta R.T. -0.01 min
Lab File: BF119097.D
Acq: 26 Feb 2020 16:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1487910
Ion Ratio Lower Upper
172 100
171 37.0 30.6 45.8
170 24.2 20.2 30.2

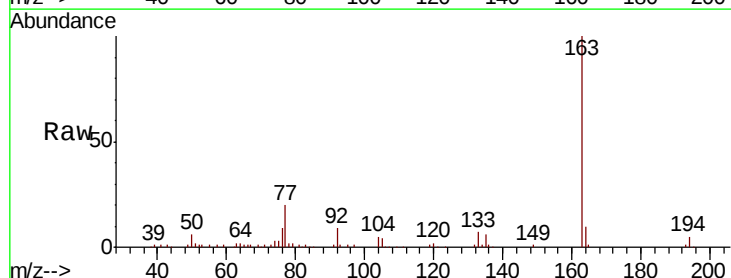


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

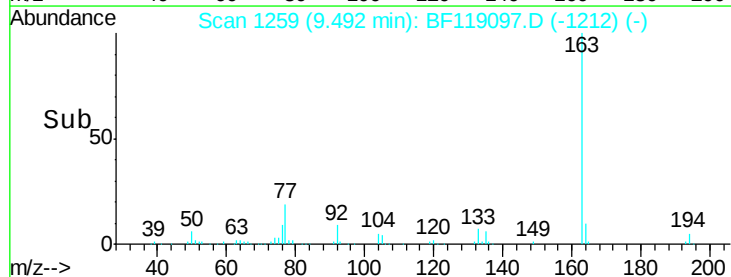
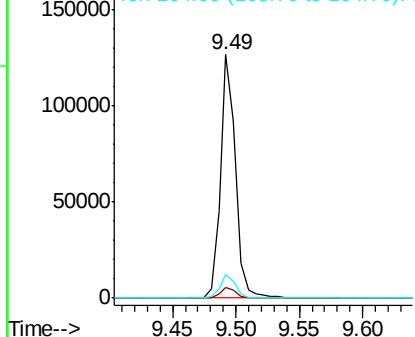


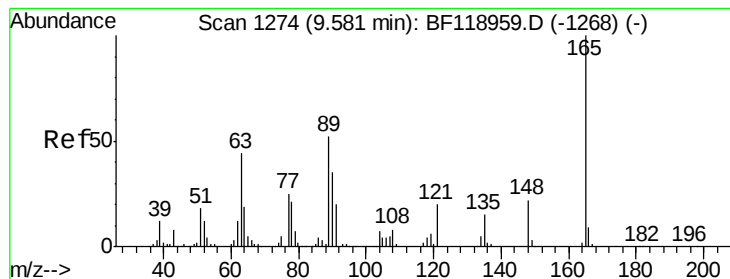
#50
Dimethylphthalate
Concen: 4.375 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.02 min
Lab File: BF119097.D
Acq: 26 Feb 2020 16:24

Tgt Ion:163 Resp: 105703
Ion Ratio Lower Upper
163 100
194 4.6 3.5 5.3
164 9.9 8.4 12.6



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: 7.992 ng

RT: 9.77 min Scan# 1307

Delta R.T. 0.19 min

Lab File: BF119097.D

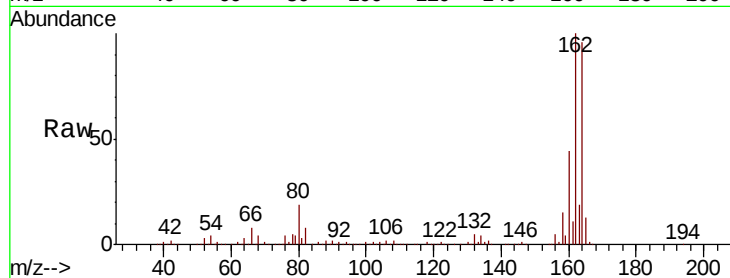
Acq: 26 Feb 2020 16:24

Instrument :

BNA_F

ClientSampleId :

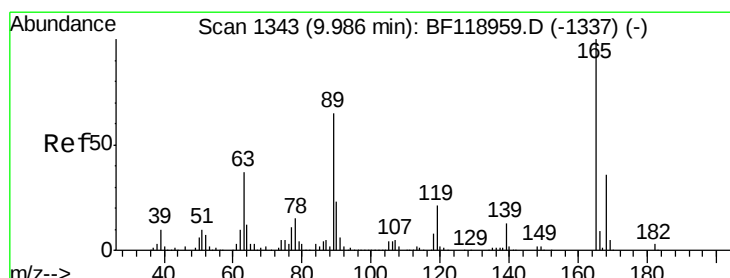
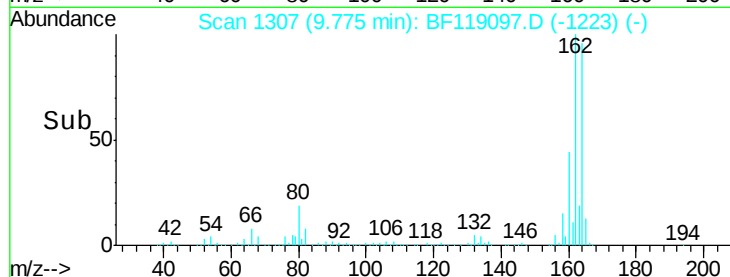
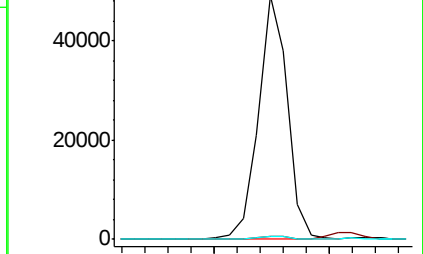
Tot Ion:165	Resp:	42902
Ion Ratio	Lower	Upper
165	100	
63	1.1	34.3 51.5#
89	1.0	38.3 57.5#



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



#57

2,4-Dinitrotoluene

Concen: 6.166 ng

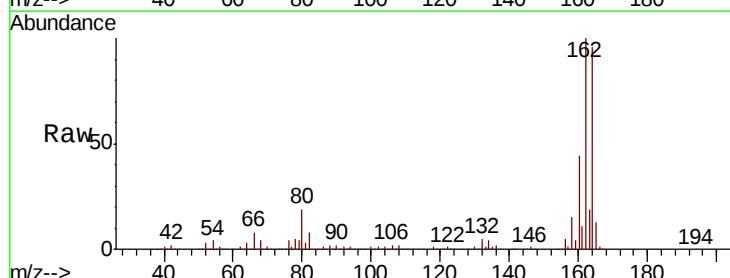
RT: 9.77 min Scan# 1307

Delta R.T. -0.21 min

Lab File: BF119097.D

Acq: 26 Feb 2020 16:24

Tgt Ion:165	Resp:	42902
Ion Ratio	Lower	Upper
165	100	
63	1.1	42.3 63.5#
89	1.0	60.2 90.4#
182	0.0	2.3 3.5#

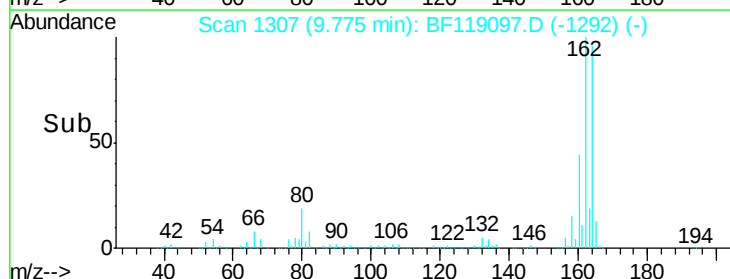
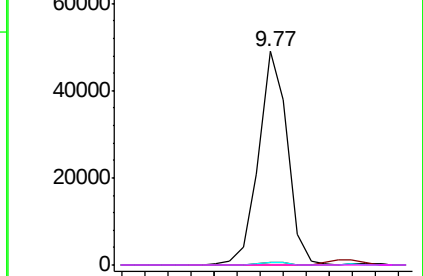


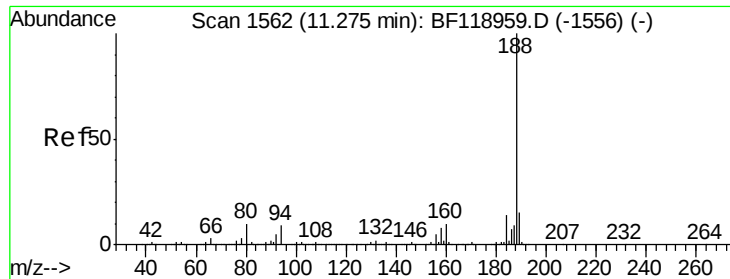
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

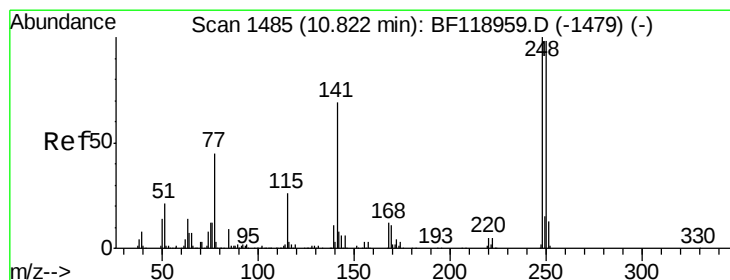
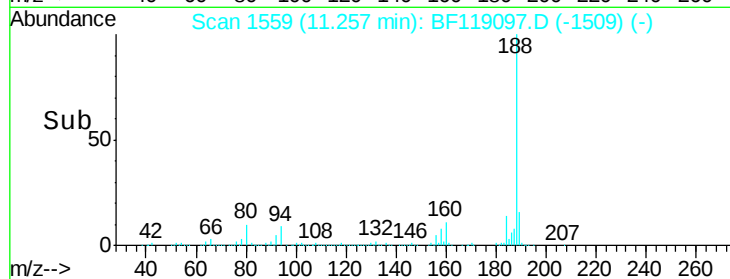
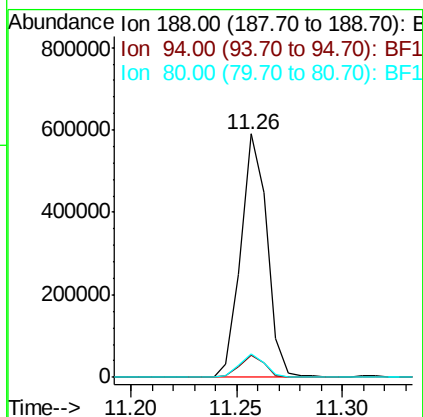
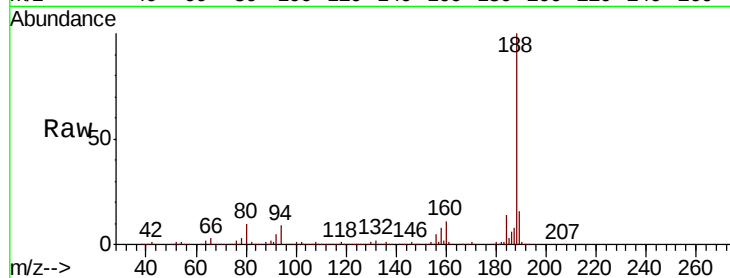




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF119097.D
Acq: 26 Feb 2020 16:24

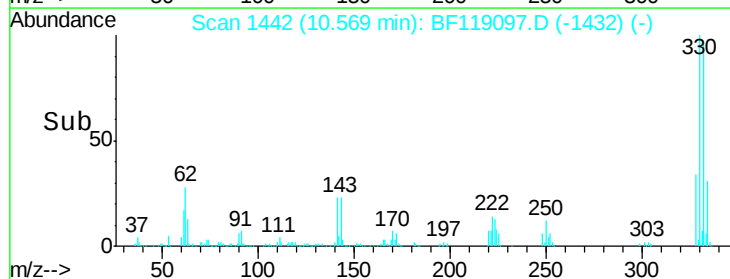
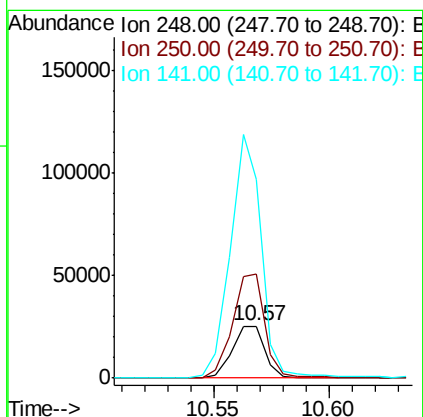
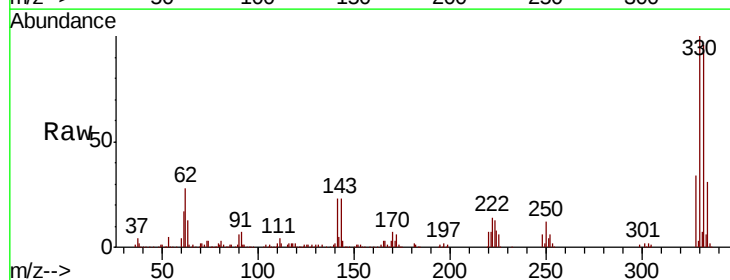
Instrument :
BNA_F
ClientSampleId :

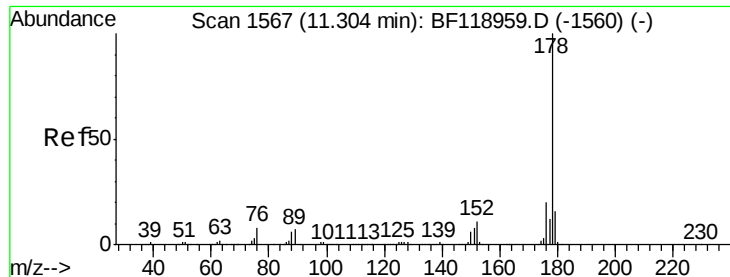
Tot Ion:188 Resp: 506233
Ion Ratio Lower Upper
188 100
94 8.9 7.1 10.7
80 9.7 7.8 11.8



#67
4-Bromophenyl-phenylether
Concen: 3.787 ng
RT: 10.57 min Scan# 1442
Delta R.T. -0.24 min
Lab File: BF119097.D
Acq: 26 Feb 2020 16:24

Tgt Ion:248 Resp: 25057
Ion Ratio Lower Upper
248 100
250 199.1 76.7 115.1#
141 381.6 60.7 91.1#

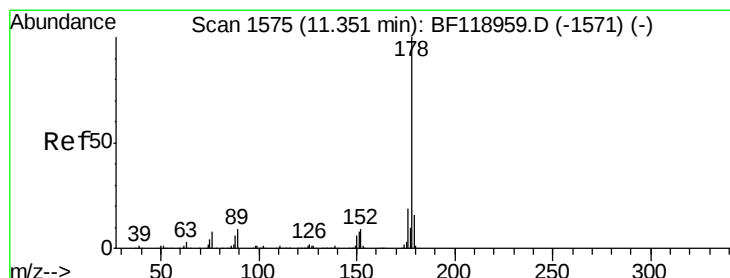
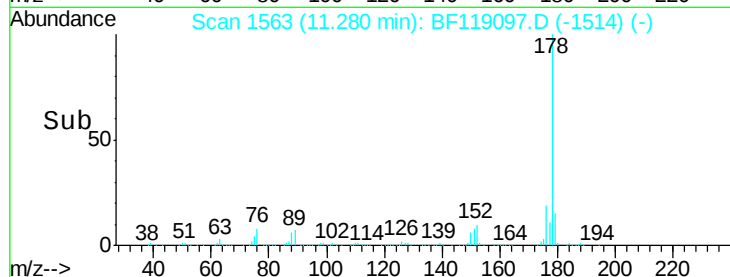
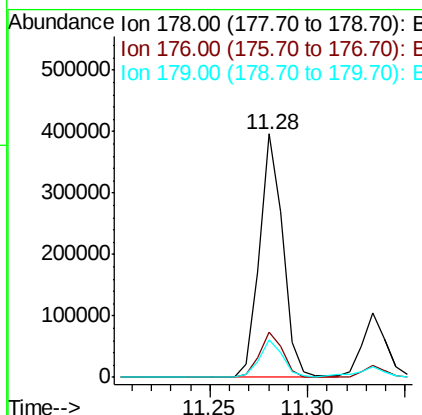
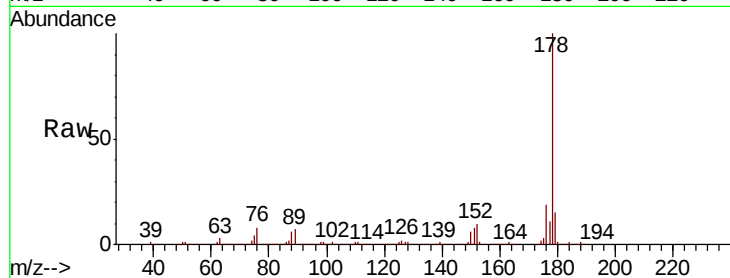




#71
Phenanthrene
Concen: 11.952 ng
RT: 11.28 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BF119097.D
Acq: 26 Feb 2020 16:24

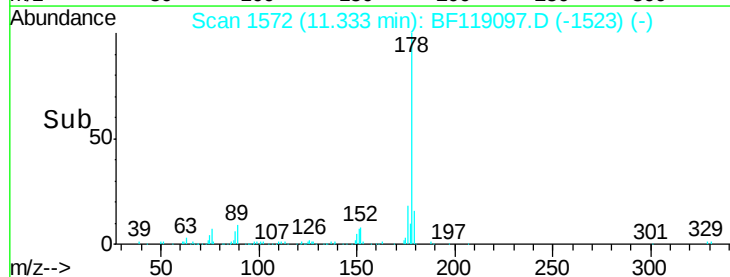
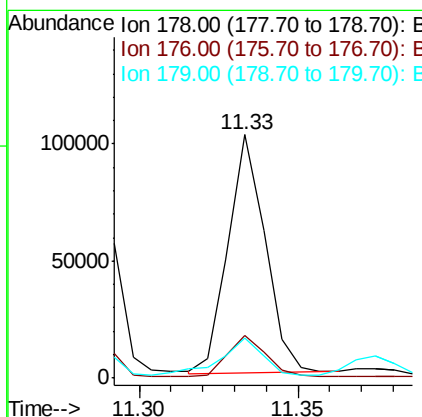
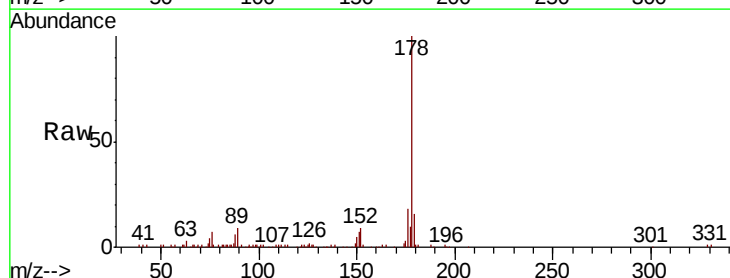
Instrument :
BNA_F
ClientSampled :

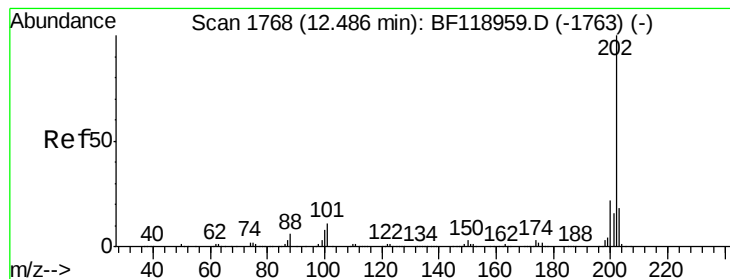
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.5	24.7
179	15.2	13.0	19.6



#72
Anthracene
Concen: 3.017 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF119097.D
Acq: 26 Feb 2020 16:24

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	16.0	24.0
179	16.4	13.1	19.7





#75

Fluoranthene

Concen: 19.194 ng

RT: 12.47 min Scan# 1765

Delta R.T. -0.01 min

Lab File: BF119097.D

Acq: 26 Feb 2020 16:24

Instrument :

BNA_F

ClientSampleId :

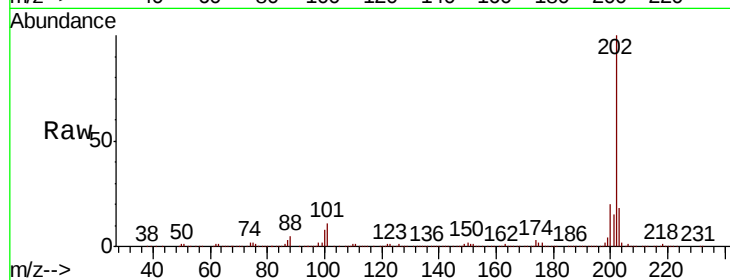
Tot Ion:202 Resp: 562486

Ion Ratio Lower Upper

202 100

101 10.9 0.0 30.3

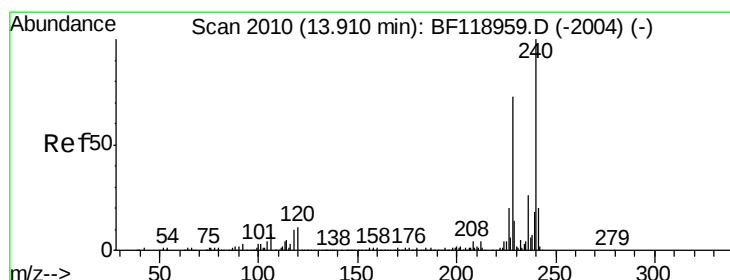
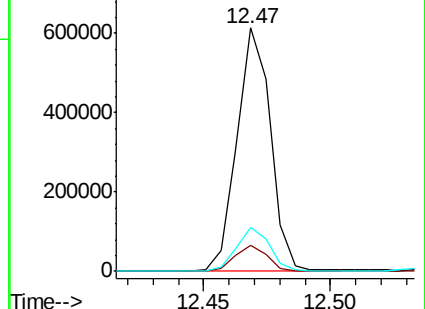
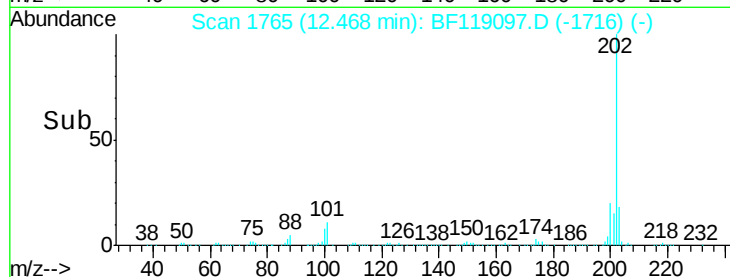
203 18.1 0.0 38.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF119097.D

Acq: 26 Feb 2020 16:24

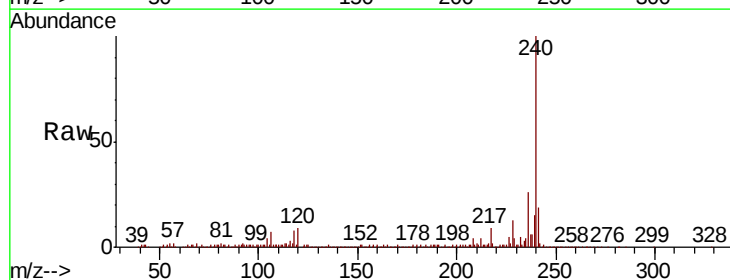
Tgt Ion:240 Resp: 318086

Ion Ratio Lower Upper

240 100

120 8.8 8.4 12.6

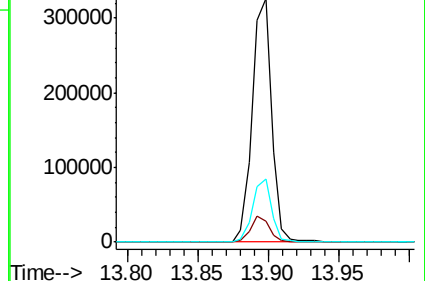
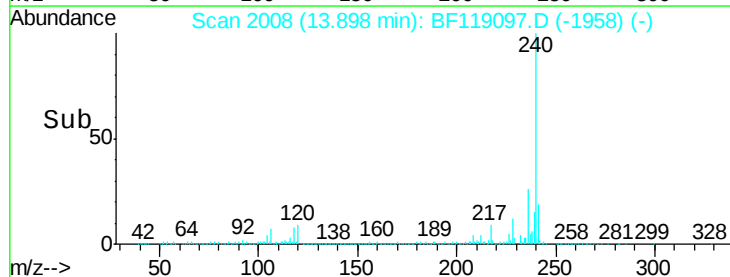
236 26.0 21.0 31.4

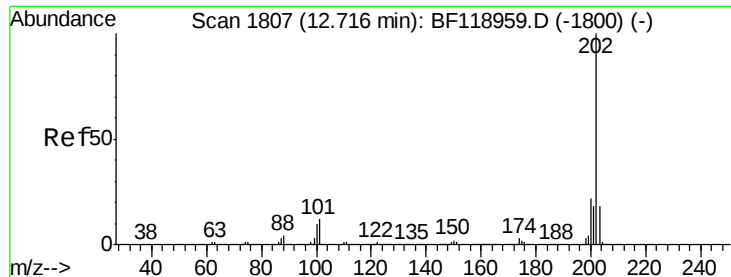


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 19.575 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF119097.D

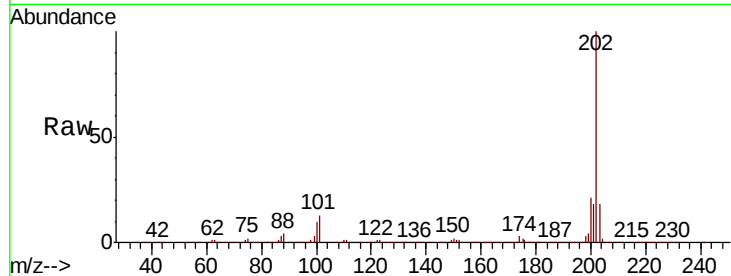
Acq: 26 Feb 2020 16:24

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	499986
Ion	Ratio	Lower	Upper
202	100		
200	21.5	18.0	27.0
203	17.6	14.6	22.0



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

12.70

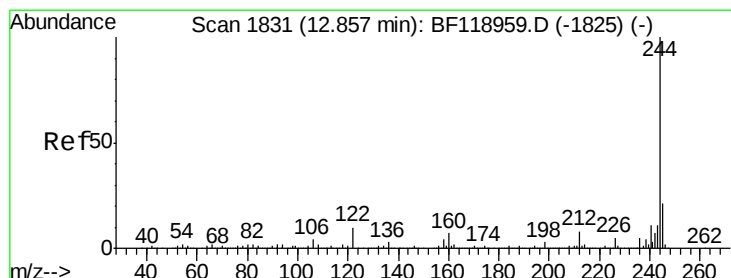
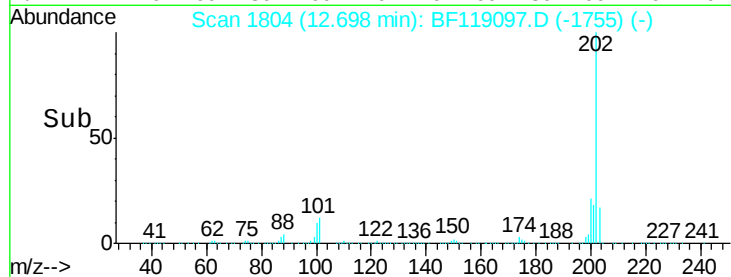
600000

400000

200000

0

Time-->



#79

Terphenyl-d14

Concen: 68.494 ng

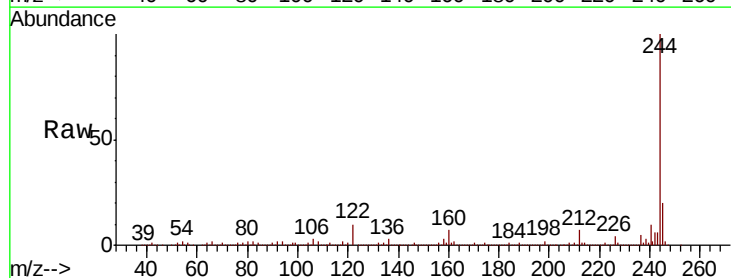
RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF119097.D

Acq: 26 Feb 2020 16:24

Tgt Ion:	244	Resp:	1265454
Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.6	10.0
122	10.3	8.2	12.2



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

12.84

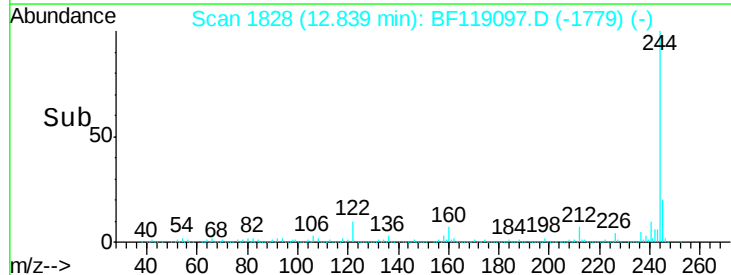
1500000

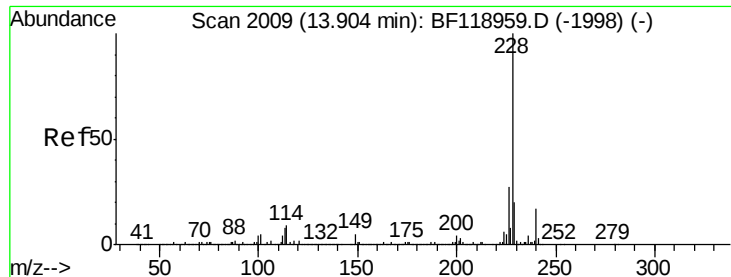
1000000

500000

0

Time-->





#81

Benzo(a)anthracene

Concen: 11.101 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF119097.D

Acq: 26 Feb 2020 16:24

Instrument :

BNA_F

ClientSampleId :

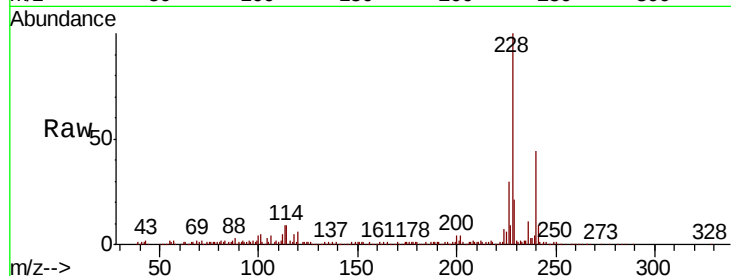
Tot Ion:228 Resp: 240587

Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.6	33.8
229	20.7	16.6	24.8

228 100

226 30.1 22.6 33.8

229 20.7 16.6 24.8

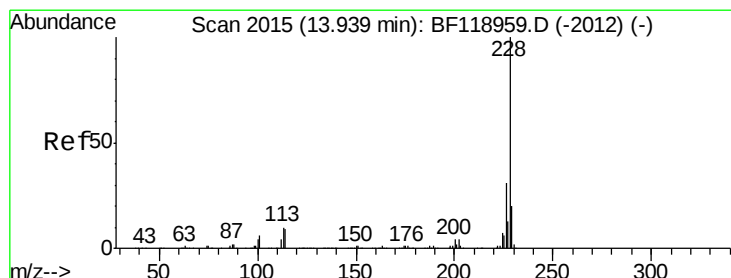
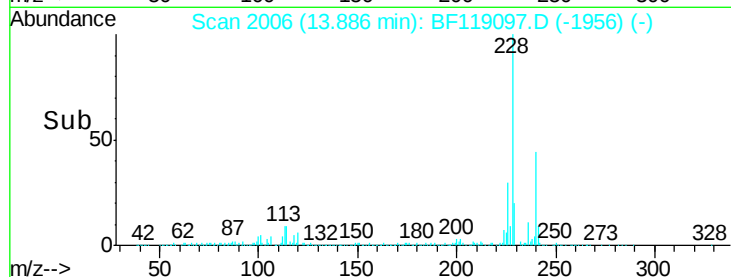
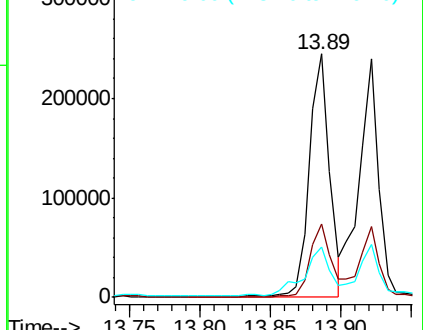


Abundance

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: 9.797 ng

RT: 13.92 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF119097.D

Acq: 26 Feb 2020 16:24

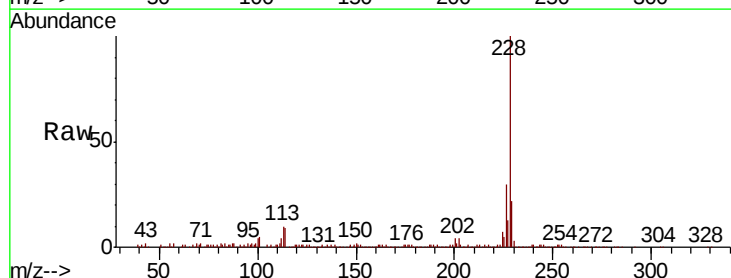
Tgt Ion:228 Resp: 211574

Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.1	37.7
229	22.2	16.3	24.5

228 100

226 29.9 25.1 37.7

229 22.2 16.3 24.5

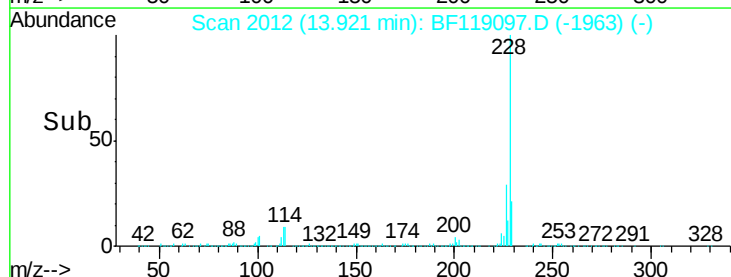
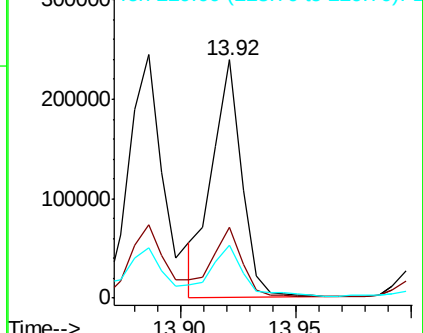


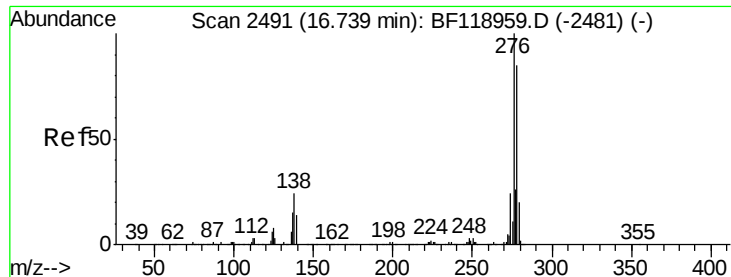
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

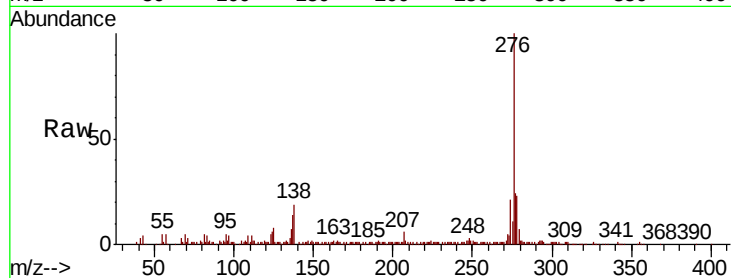




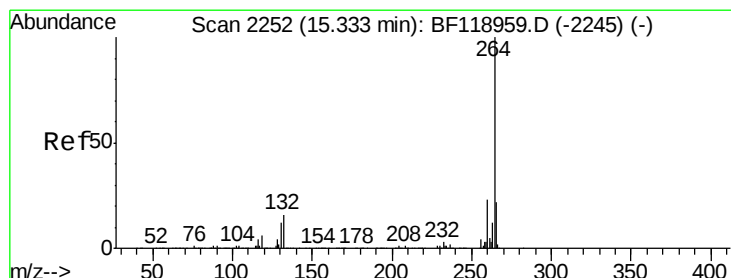
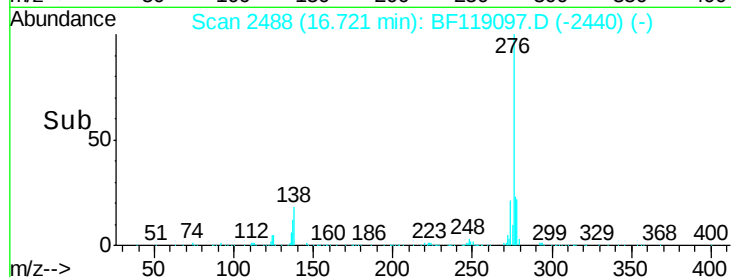
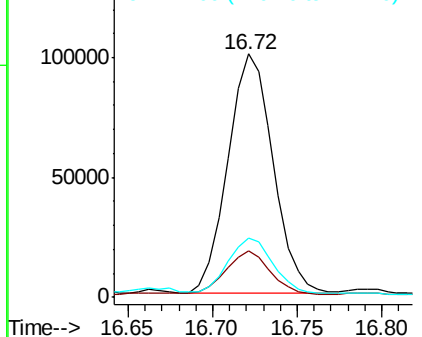
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 8.877 ng
 RT: 16.72 min Scan# 2488
 Delta R.T. -0.02 min
 Lab File: BF119097.D
 Acq: 26 Feb 2020 16:24

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:276 Resp: 185613
 Ion Ratio Lower Upper
 276 100
 138 18.5 17.4 26.0
 277 24.5 20.3 30.5

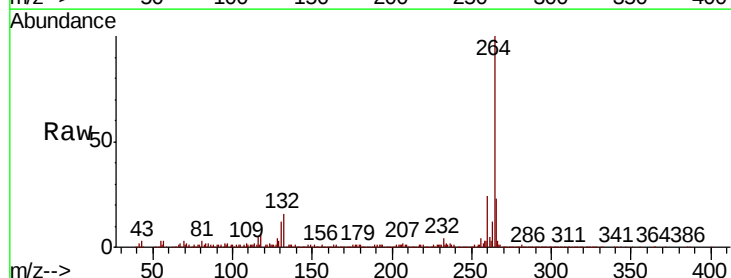


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

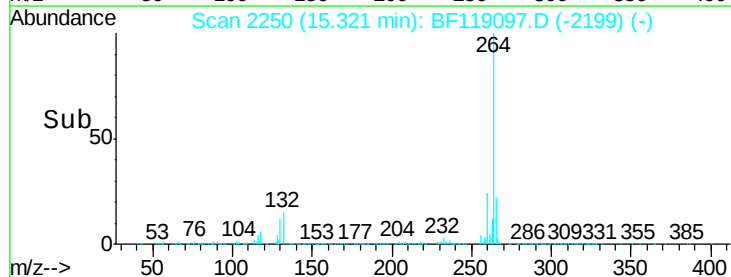
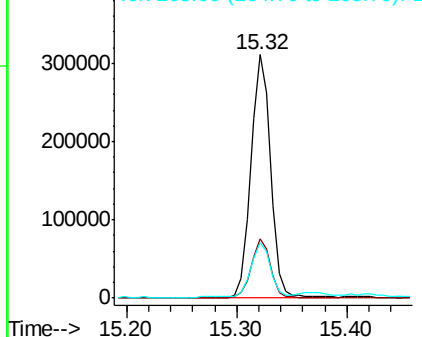


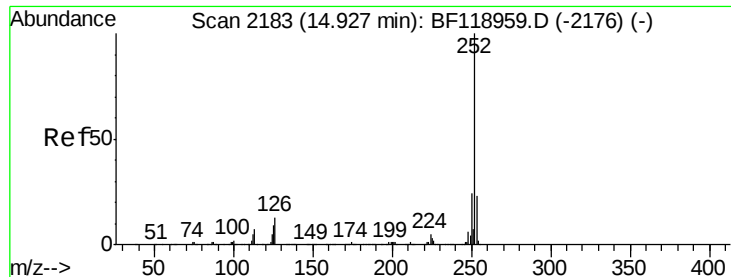
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.32 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: BF119097.D
 Acq: 26 Feb 2020 16:24

Tgt Ion:264 Resp: 389633
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.4 29.2
 265 22.5 17.7 26.5



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

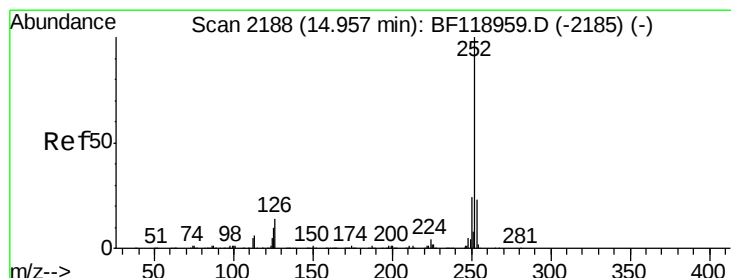
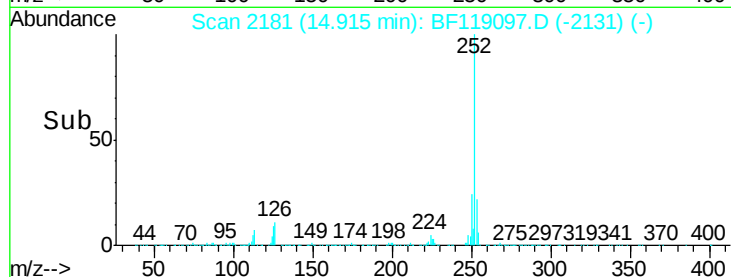
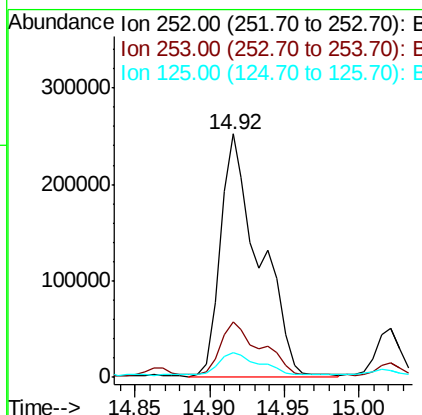
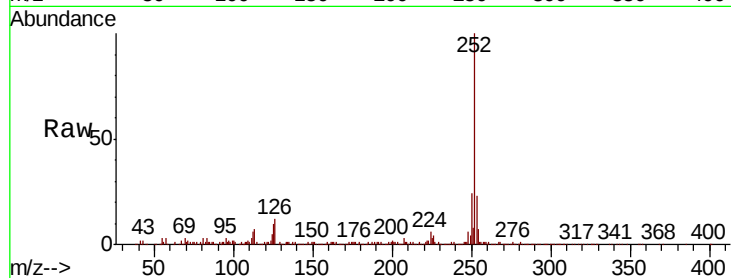




#88
Benzo(b)fluoranthene
Concen: 17.715 ng
RT: 14.92 min Scan# 2181
Delta R.T. -0.01 min
Lab File: BF119097.D
Acq: 26 Feb 2020 16:24

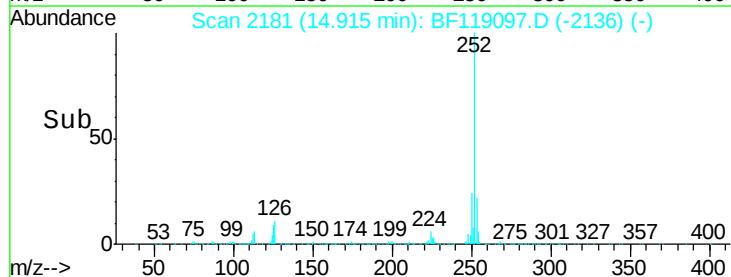
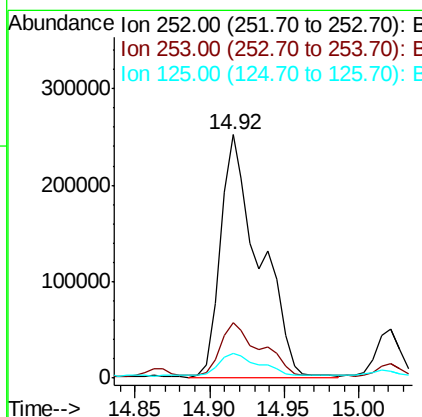
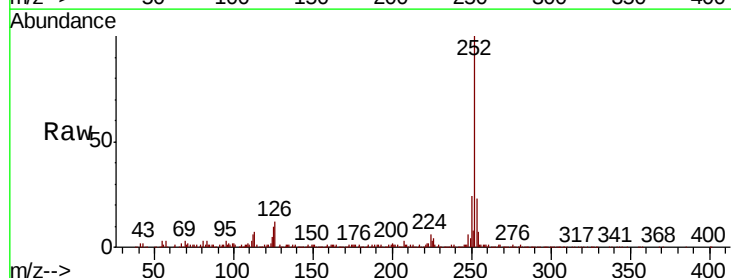
Instrument :
BNA_F
ClientSampleId :

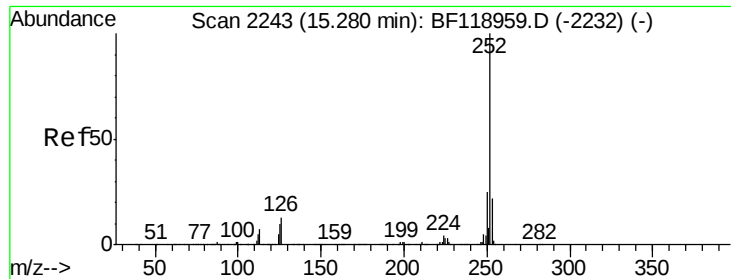
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	10.4	7.4	11.0



#89
Benzo(k)fluoranthene
Concen: 19.115 ng
RT: 14.92 min Scan# 2181
Delta R.T. -0.04 min
Lab File: BF119097.D
Acq: 26 Feb 2020 16:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.8
125	10.4	7.5	11.3

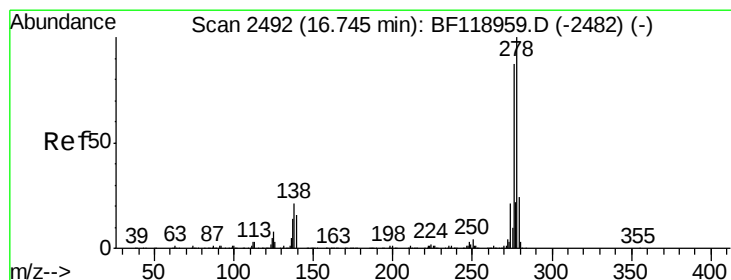
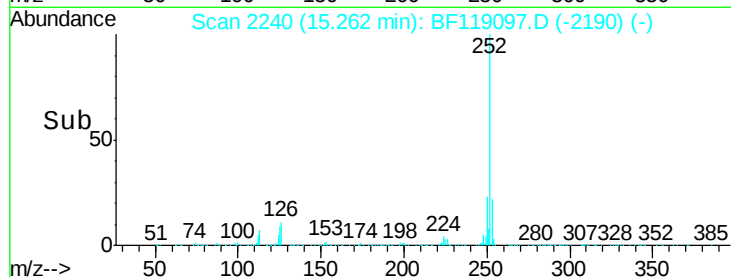
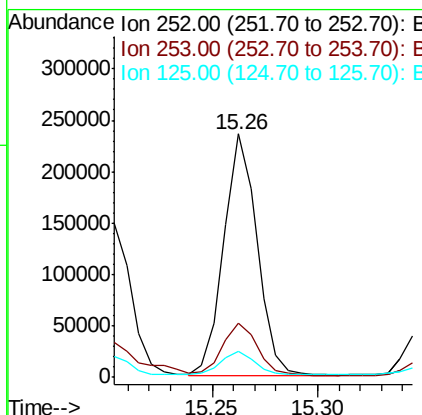
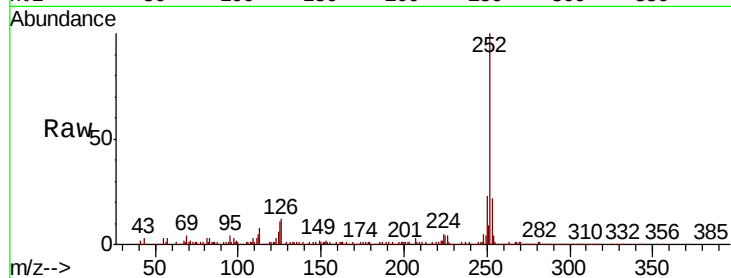




#90
Benzo(a)pyrene
Concen: 11.122 ng
RT: 15.26 min Scan# 2240
Delta R.T. -0.01 min
Lab File: BF119097.D
Acq: 26 Feb 2020 16:24

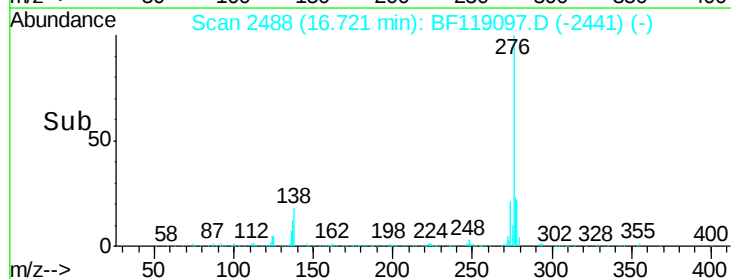
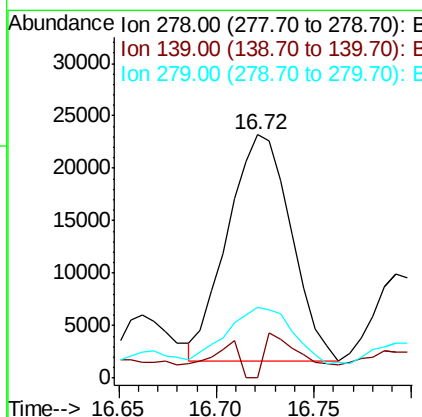
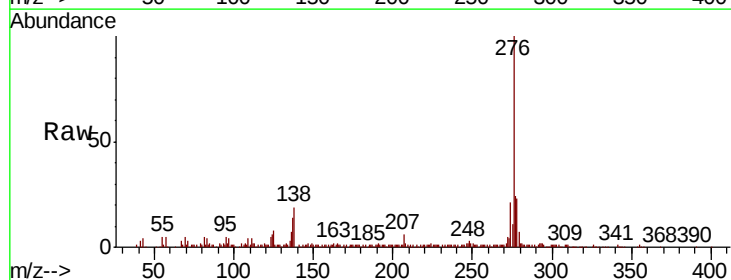
Instrument :
BNA_F
ClientSampleId :

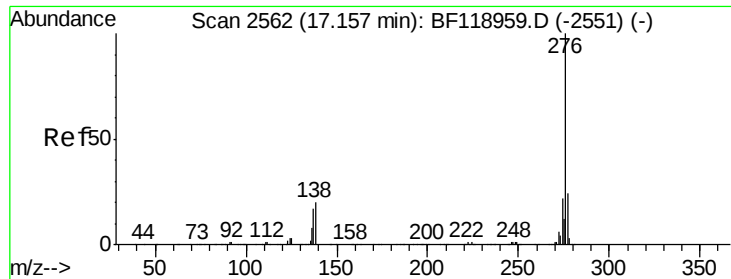
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.0	27.0
125	10.5	8.6	12.8



#91
Dibenzo(a,h)anthracene
Concen: 2.374 ng
RT: 16.72 min Scan# 2488
Delta R.T. -0.02 min
Lab File: BF119097.D
Acq: 26 Feb 2020 16:24

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	11.0	16.4#
279	29.3	18.6	28.0#

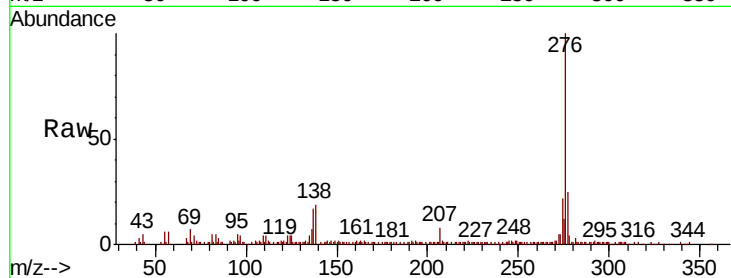




#92
 Benzo(a,h,i)perylene
 Concen: 8.877 ng
 RT: 17.14 min Scan# 2560
 Delta R.T. -0.01 min
 Lab File: BF119097.D
 Acq: 26 Feb 2020 16:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.7	28.1
138	18.7	14.3	21.5



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

