

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
 Data File : BF121109.D
 Acq On : 29 Jul 2020 18:57
 Operator : JU/CG
 Sample : L3436-13 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 13

Quant Time: Jul 30 00:54:40 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 29 14:55:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	147780	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	538219	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	270040	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	444917	20.00	ng	0.00
76) Chrysene-d12	13.96	240	360495	20.00	ng	0.00
86) Perylene-d12	15.41	264	388190	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	156313	17.34	ng	0.00
7) Phenol-d6	6.43	99	188239	16.17	ng	-0.01
23) Nitrobenzene-d5	7.36	82	109728	11.80	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	45060	15.24	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	238378	13.18	ng	0.00
79) Terphenyl-d14	12.90	244	197538	11.91	ng	0.00

Target Compounds

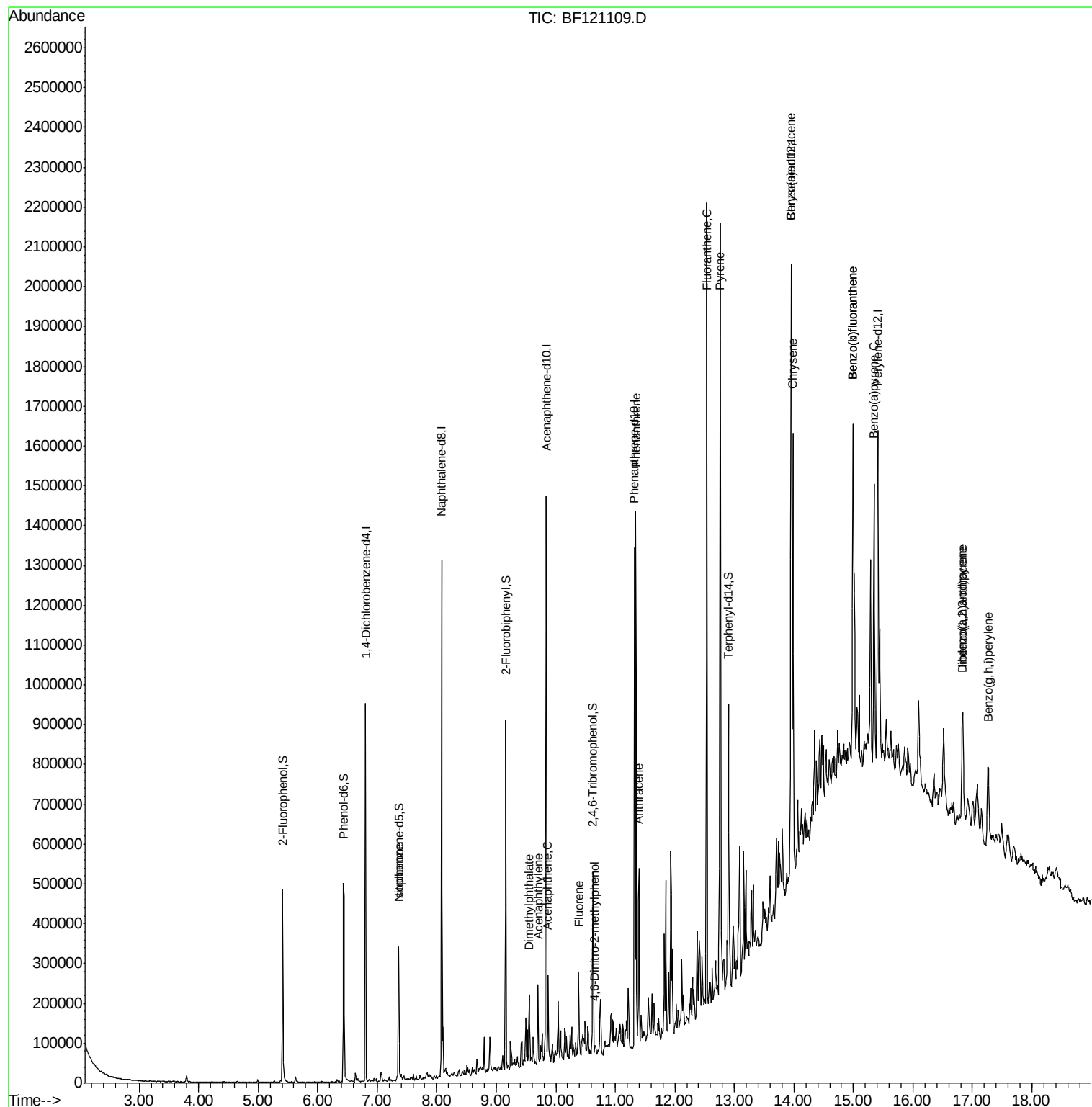
					Qvalue	
9) Benzaldehyde	6.35	77	274	Below Cal	#	1
25) Isophorone	7.36	82	105410	5.678 ng	#	63
49) Acenaphthylene	9.70	152	65621	2.515 ng		98
50) Dimethylphthalate	9.55	163	45468	2.334 ng	#	98
52) Acenaphthene	9.87	154	37275	2.247 ng		99
58) Fluorene	10.39	166	56428	3.154 ng		94
65) 4,6-Dinitro-2-methylphenol	10.66	198	237	3.927 ng	#	1
71) Phenanthrene	11.35	178	461230	20.157 ng		99
72) Anthracene	11.40	178	165087	7.185 ng		99
75) Fluoranthene	12.53	202	831852	32.798 ng		97
78) Pyrene	12.76	202	826717	32.437 ng		99
81) Benzo(a)anthracene	13.95	228	460918	21.114 ng		96
83) Chrysene	13.99	228	398863	17.387 ng		97
87) Indeno(1,2,3-cd)pyrene	16.83	276	188218	6.972 ng		95
88) Benzo(b)fluoranthene	14.99	252	654817	27.906 ng	#	96
89) Benzo(k)fluoranthene	14.99	252	654817	30.599 ng	#	96
90) Benzo(a)pyrene	15.35	252	363236	16.967 ng		99
91) Dibenzo(a,h)anthracene	16.84	278	48296	2.190 ng	#	79
92) Benzo(a,h,i)perylene	17.26	276	173491	7.979 ng		98

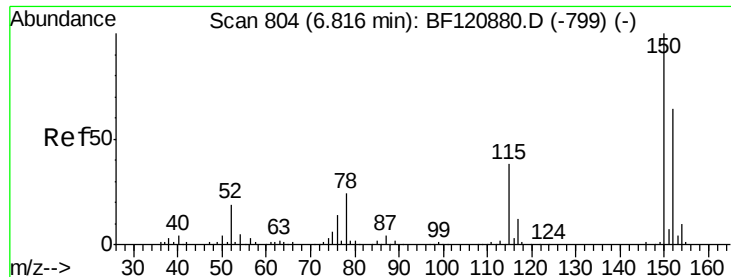
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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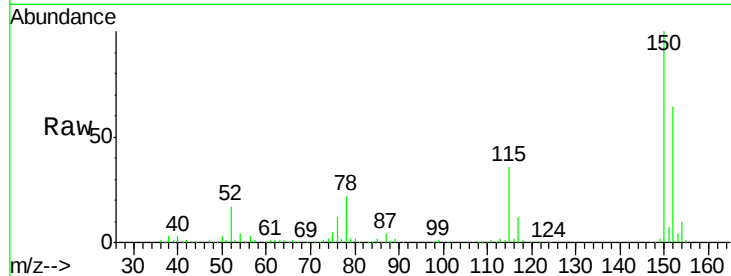


#1

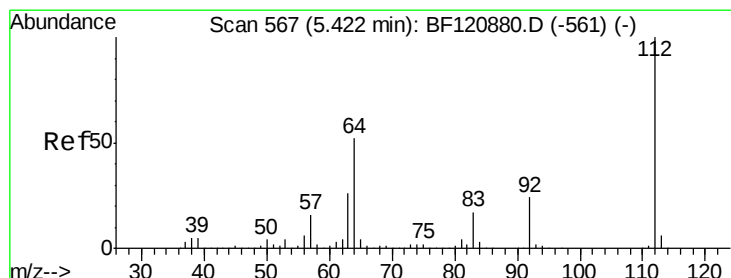
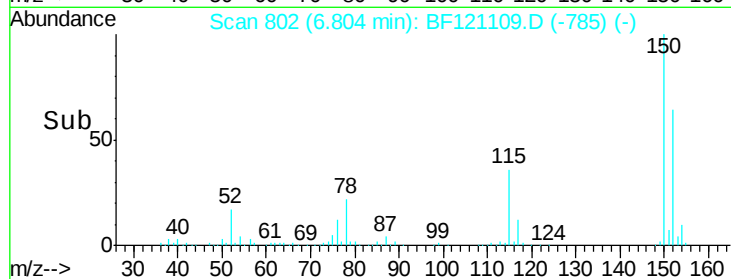
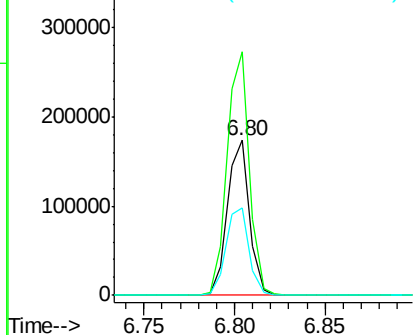
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF121109.D
Acq: 29 Jul 2020 18:57

Instrument :
BNA_F
ClientSampleId :
13

Tot Ion:152 Resp: 147780
Ion Ratio Lower Upper
152 100
150 157.0 125.6 188.4
115 56.4 46.2 69.2



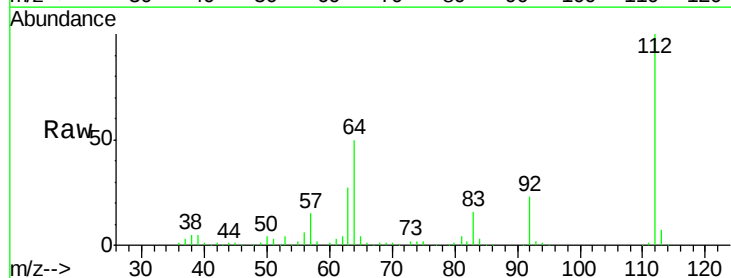
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



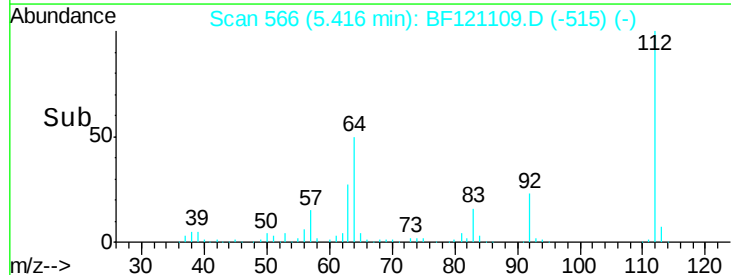
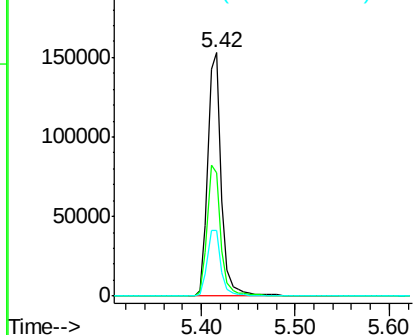
#5

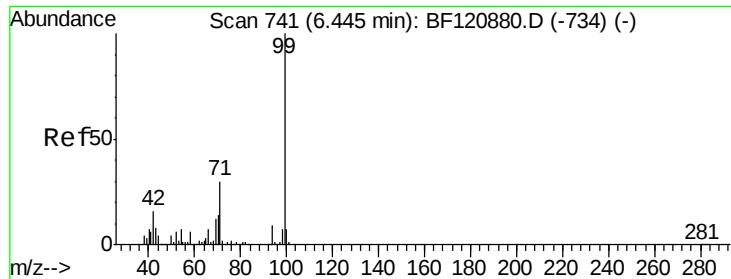
2-Fluorophenol
Concen: 17.340 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF121109.D
Acq: 29 Jul 2020 18:57

Tgt Ion:112 Resp: 156313
Ion Ratio Lower Upper
112 100
64 50.5 43.9 65.9
63 27.0 22.7 34.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 16.166 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF121109.D

Acq: 29 Jul 2020 18:57

Instrument :

BNA_F

ClientSampled :

13

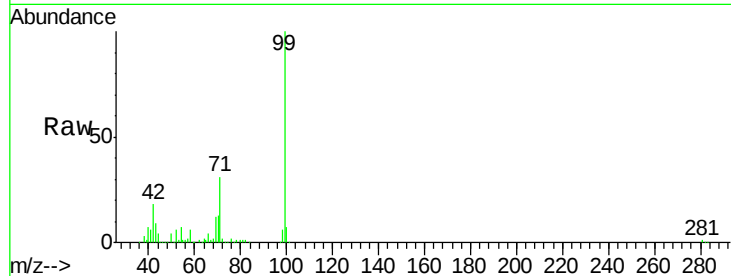
Tot Ion: 99 Resp: 188239

Ion Ratio Lower Upper

99 100

42 17.7 13.5 20.3

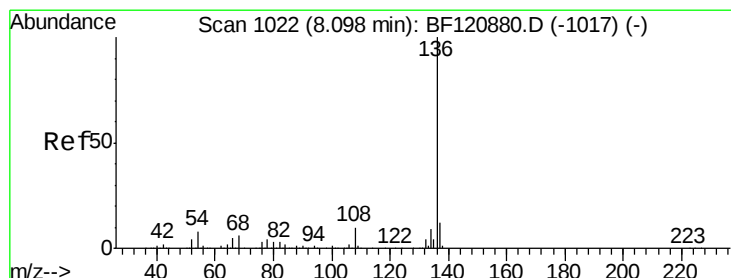
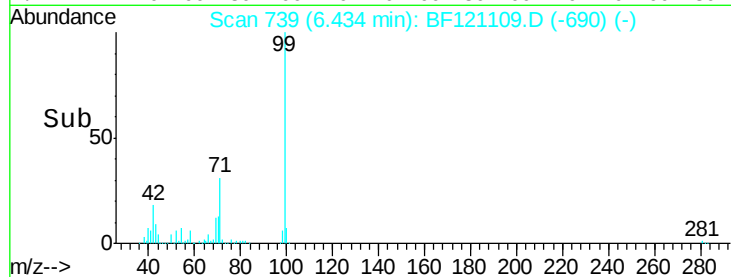
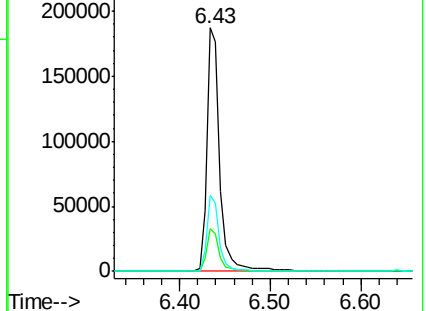
71 31.1 25.0 37.4



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.00 min

Lab File: BF121109.D

Acq: 29 Jul 2020 18:57

Tgt Ion: 136 Resp: 538219

Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.4

54 7.0 6.1 9.1

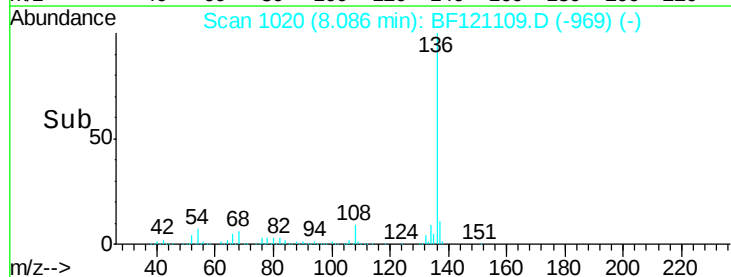
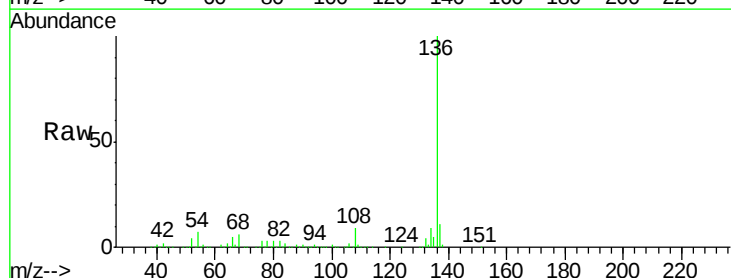
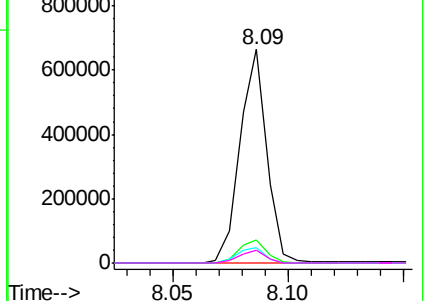
68 5.8 5.0 7.6

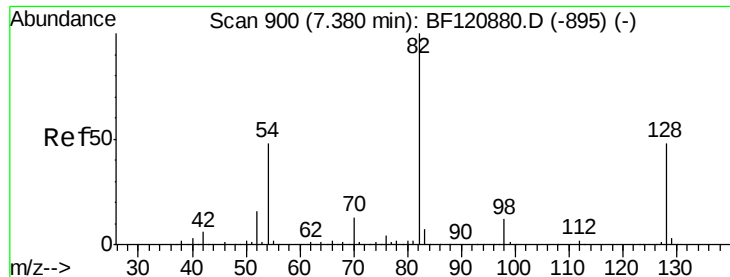
Abundance Ion 136.00 (135.70 to 136.70): E

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

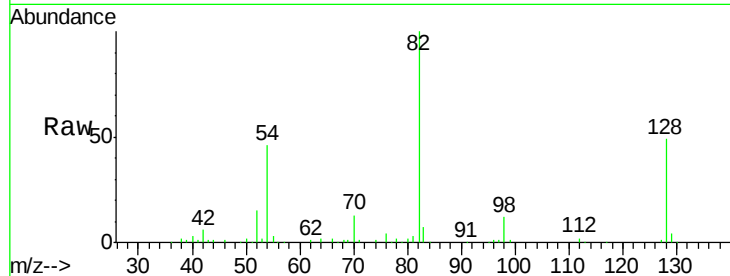




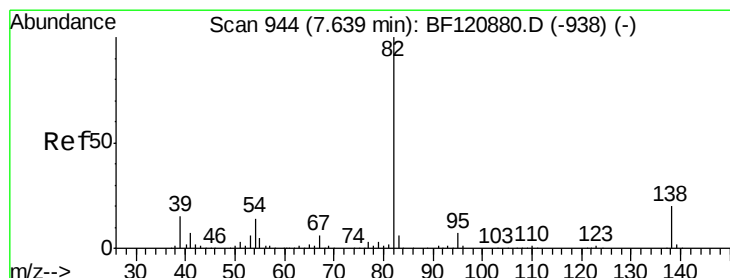
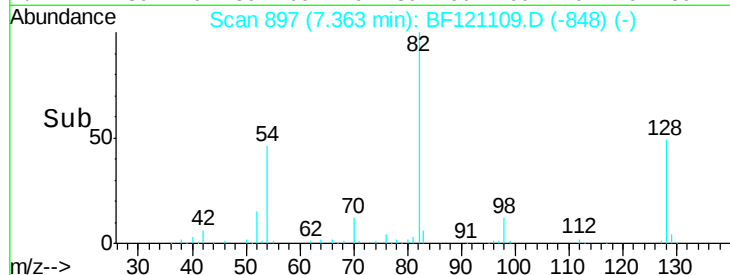
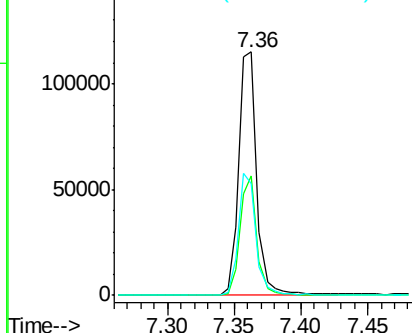
#23
Nitrobenzene-d5
Concen: 11.797 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF121109.D
Acq: 29 Jul 2020 18:57

Instrument :
BNA_F
ClientSampleId :
13

Tot Ion	82	Resp	109728
Ion Ratio	Lower	Upper	
82	100		
128	49.2	39.2	58.8
54	46.1	37.8	56.8

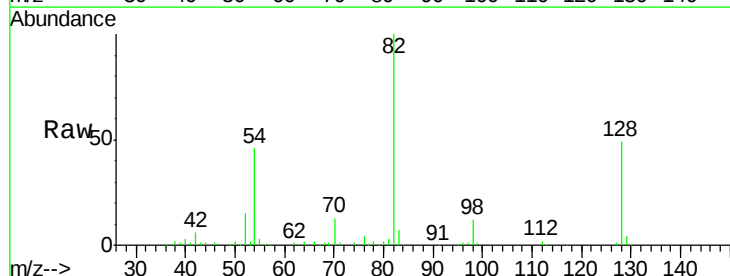


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

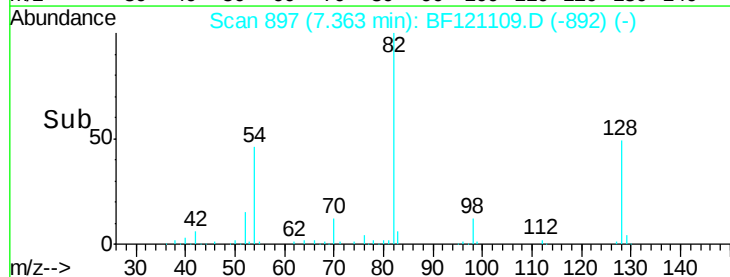
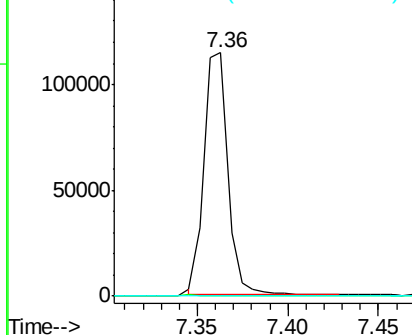


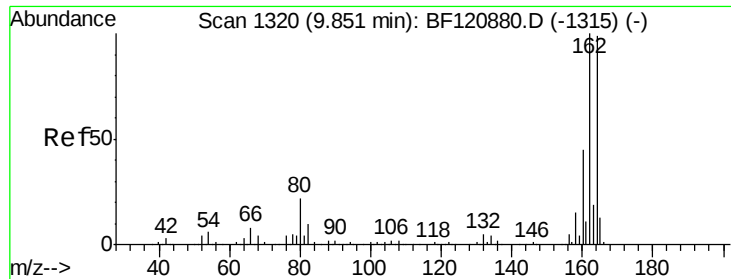
#25
Isophorone
Concen: 5.678 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.27 min
Lab File: BF121109.D
Acq: 29 Jul 2020 18:57

Tgt Ion	82	Resp	105410
Ion Ratio	Lower	Upper	
82	100		
95	0.4	5.5	8.3#
138	0.0	16.2	24.2#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

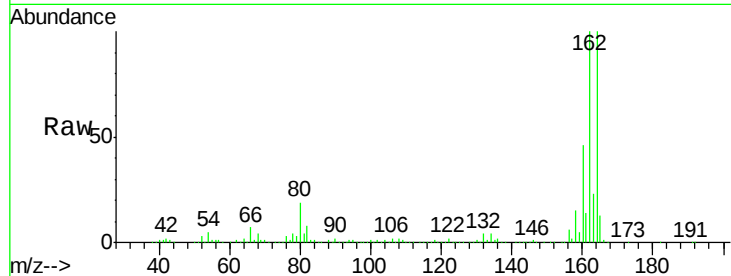




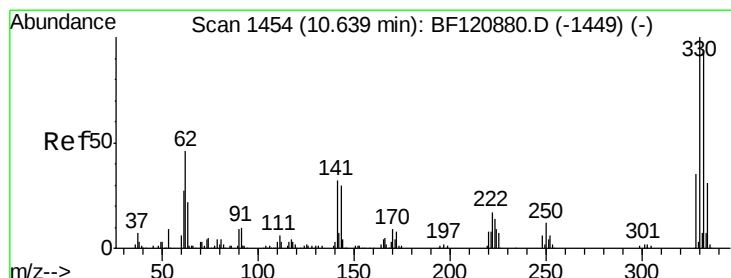
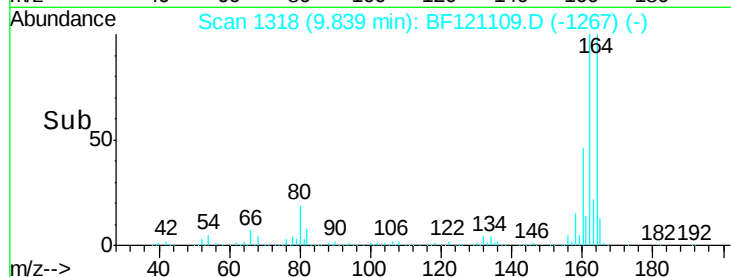
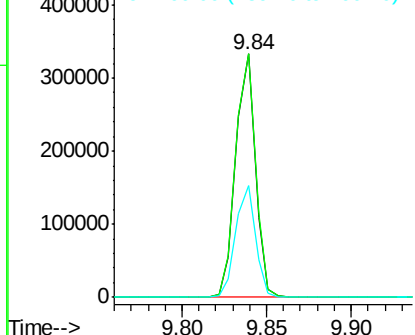
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BF121109.D
Acq: 29 Jul 2020 18:57

Instrument :
BNA_F
ClientSampleId :
13

Tot Ion:164 Resp: 270040
Ion Ratio Lower Upper
164 100
162 100.0 82.2 123.2
160 45.9 37.2 55.8

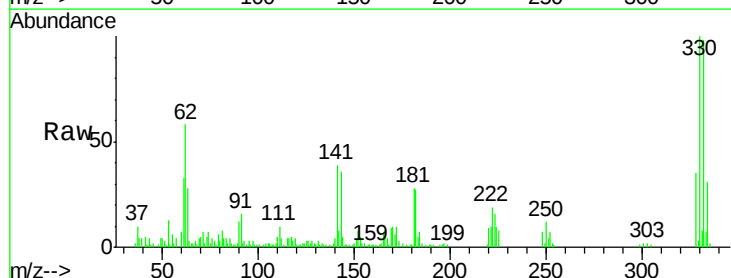


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

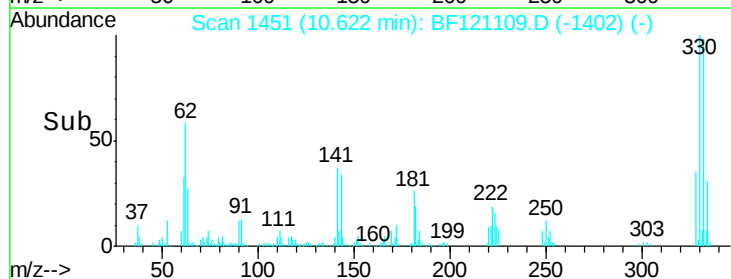
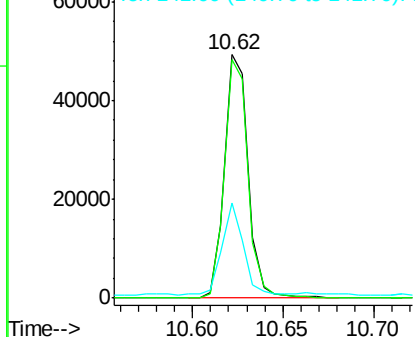


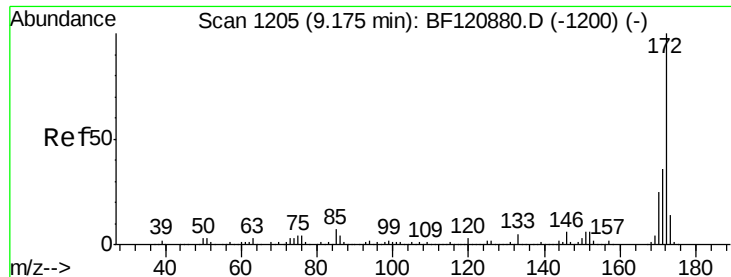
#42
2,4,6-Tribromophenol
Concen: 15.244 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BF121109.D
Acq: 29 Jul 2020 18:57

Tgt Ion:330 Resp: 45060
Ion Ratio Lower Upper
330 100
332 97.6 76.1 114.1
141 34.8 24.1 36.1



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

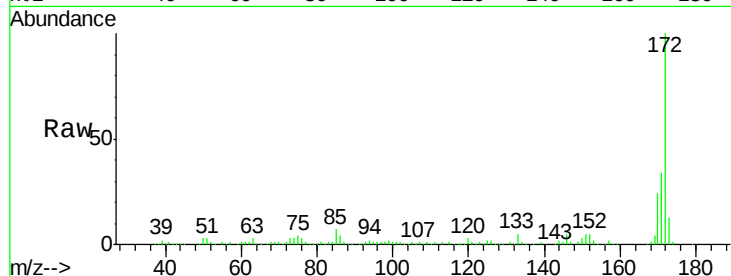




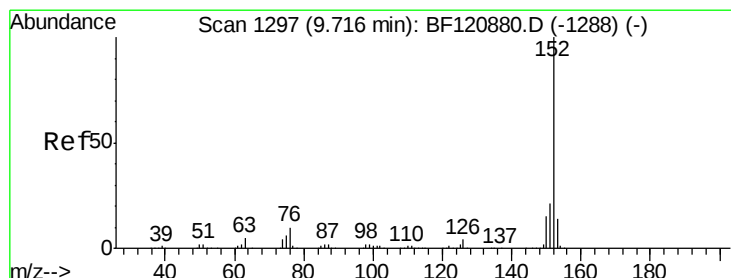
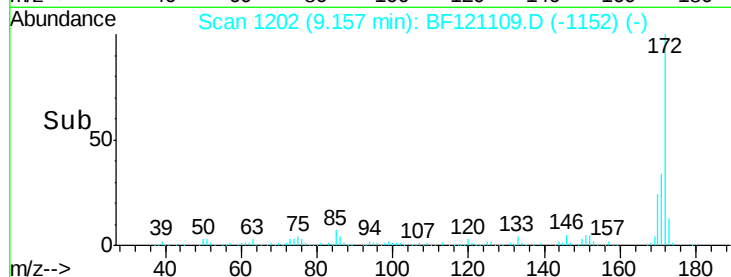
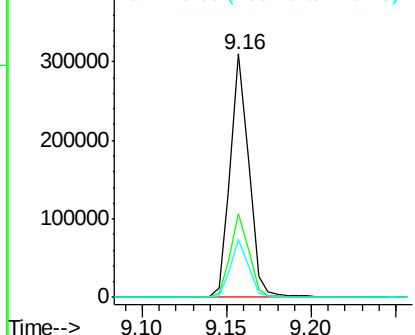
#45
2-Fluorobiphenyl
Concen: 13.180 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.01 min
Lab File: BF121109.D
Acq: 29 Jul 2020 18:57

Instrument :
BNA_F
ClientSampleId :
13

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.1	29.0	43.4
170	23.6	19.6	29.4

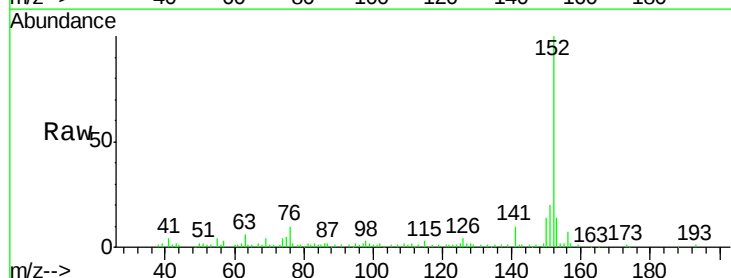


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

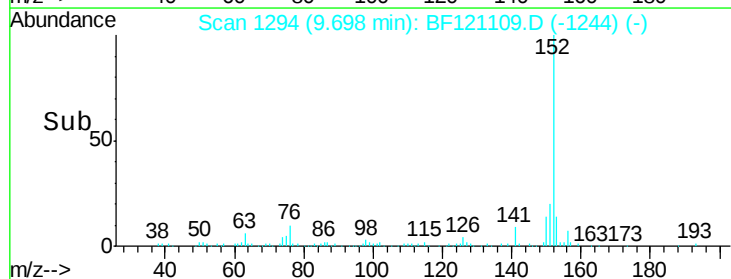
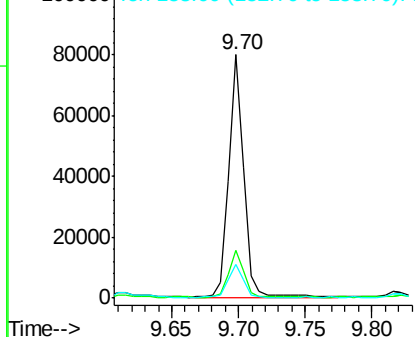


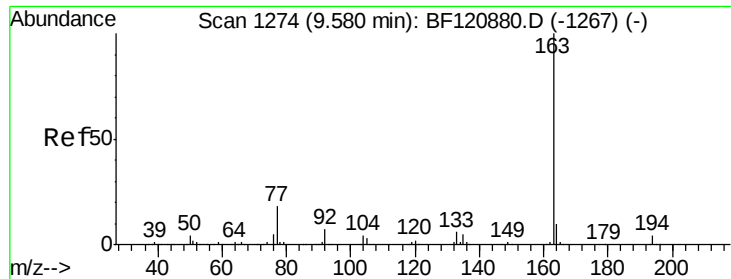
#49
Acenaphthylene
Concen: 2.515 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BF121109.D
Acq: 29 Jul 2020 18:57

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.6	25.0
153	14.0	11.0	16.4



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

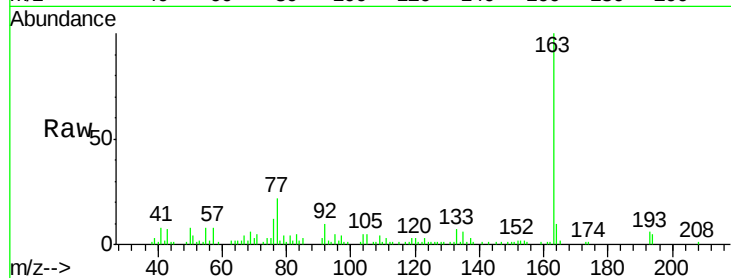




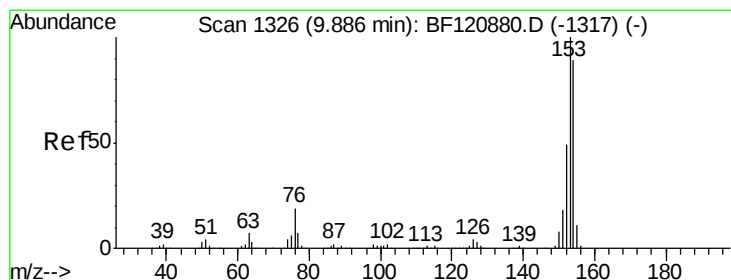
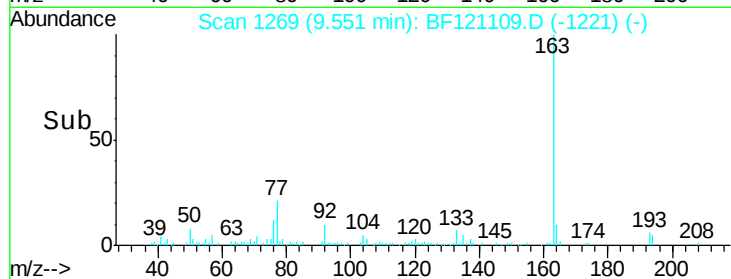
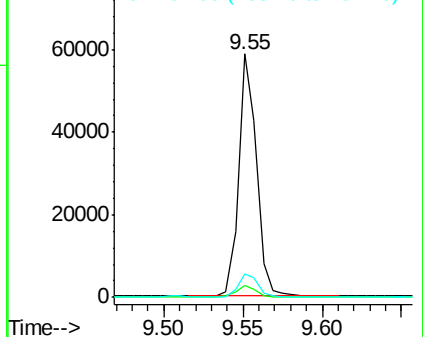
#50
Dimethylphthalate
Concen: 2.334 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BF121109.D
Acq: 29 Jul 2020 18:57

Instrument :
BNA_F
ClientSampleId :
13

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.9	3.0	4.4#
164	9.7	8.4	12.6

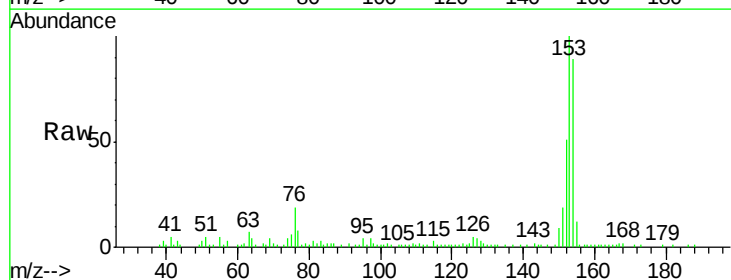


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

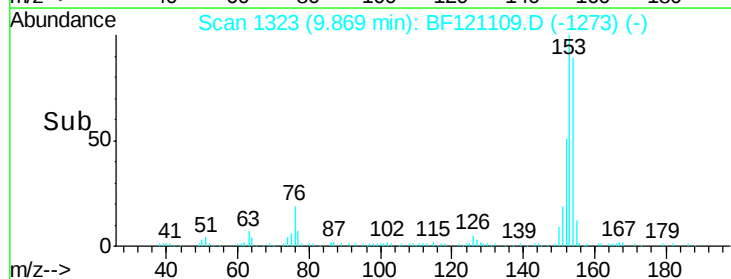
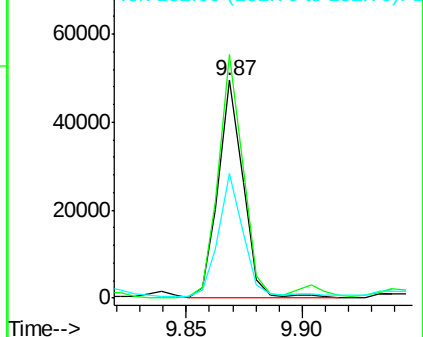


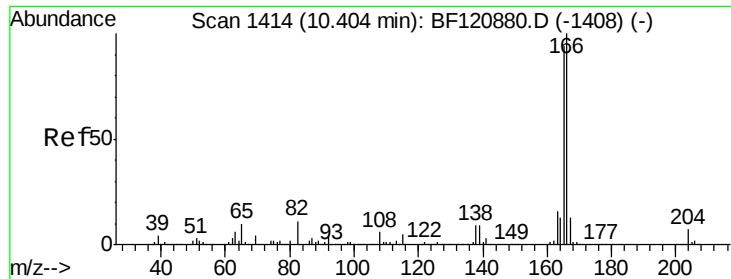
#52
Acenaphthene
Concen: 2.247 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF121109.D
Acq: 29 Jul 2020 18:57

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.9	89.6	134.4
152	57.3	43.8	65.6



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

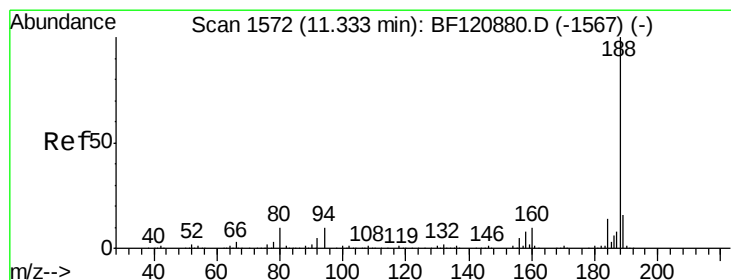
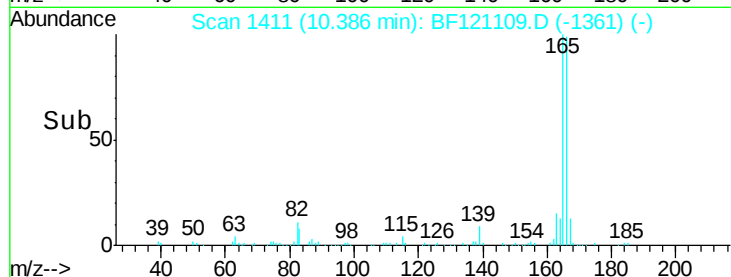
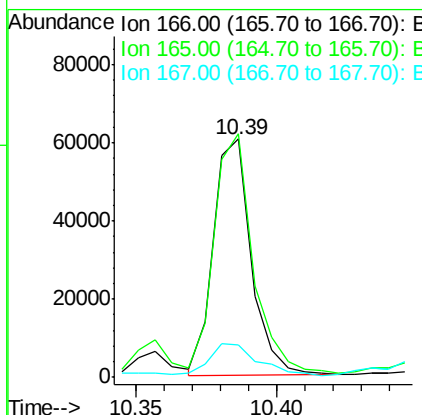
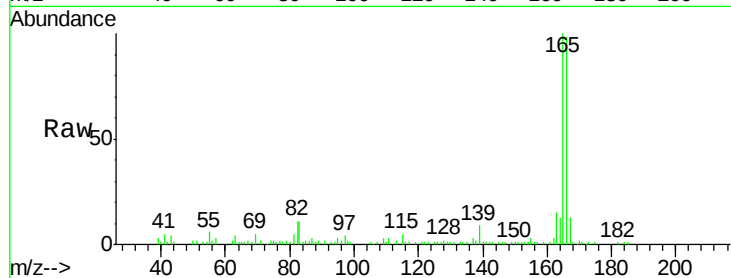




#58
 Fluorene
 Concen: 3.154 ng
 RT: 10.39 min Scan# 1411
 Delta R.T. -0.01 min
 Lab File: BF121109.D
 Acq: 29 Jul 2020 18:57

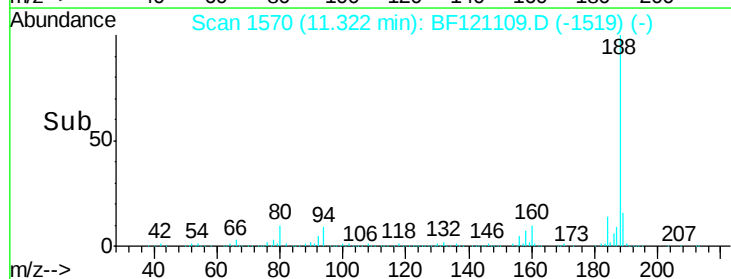
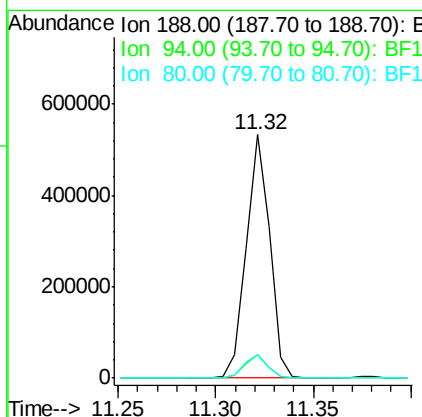
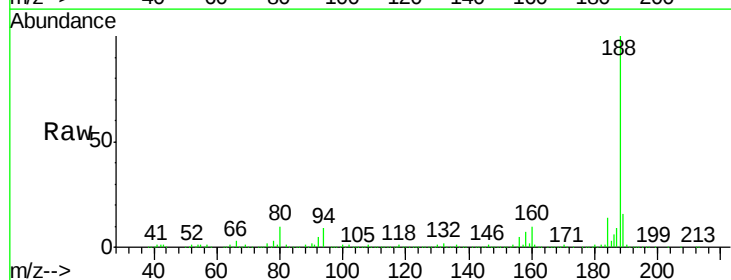
Instrument :
 BNA_F
 ClientSampleId :
 13

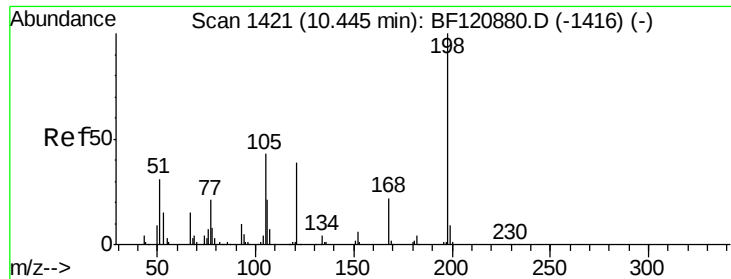
Tot Ion:166 Resp: 56428
 Ion Ratio Lower Upper
 166 100
 165 102.2 76.4 114.6
 167 13.7 10.7 16.1



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: BF121109.D
 Acq: 29 Jul 2020 18:57

Tgt Ion:188 Resp: 444917
 Ion Ratio Lower Upper
 188 100
 94 9.4 8.0 12.0
 80 9.6 8.3 12.5

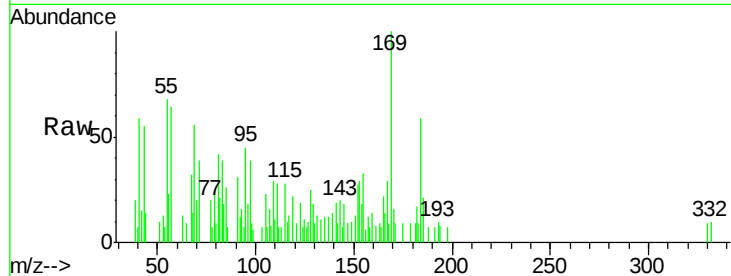




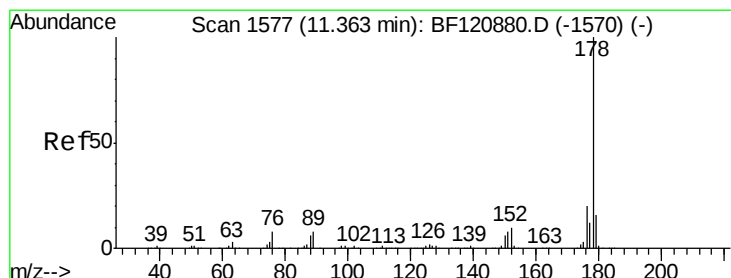
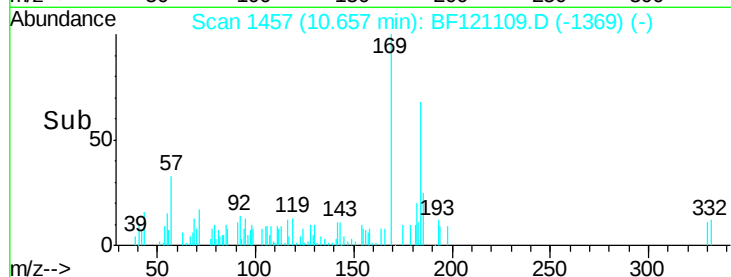
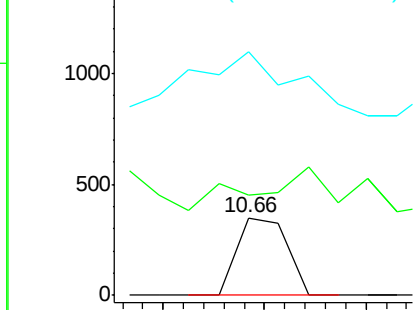
#65
 4,6-Dinitro-2-methylphenol
 Concen: 3.927 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. 0.22 min
 Lab File: BF121109.D
 Acq: 29 Jul 2020 18:57

Instrument :
 BNA_F
 ClientSampled :
 13

Tot Ion:198 Resp: 237
 Ion Ratio Lower Upper
 198 100
 51 129.5 23.4 63.4#
 105 314.3 23.7 63.7#

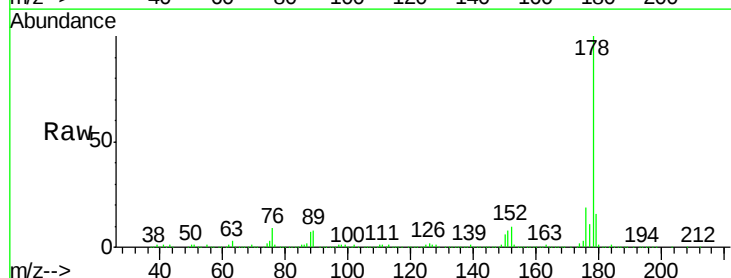


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

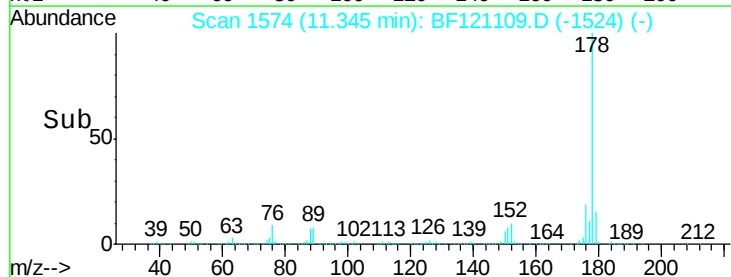
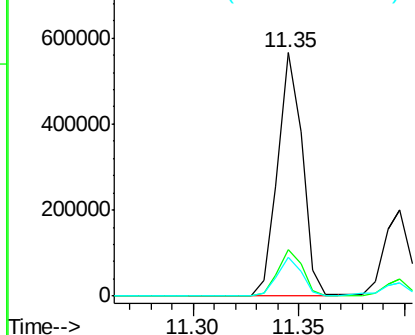


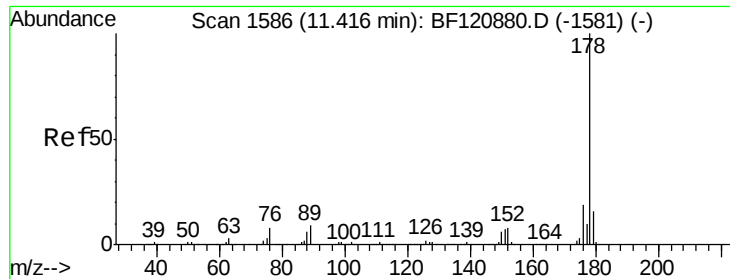
#71
 Phenanthrene
 Concen: 20.157 ng
 RT: 11.35 min Scan# 1574
 Delta R.T. -0.01 min
 Lab File: BF121109.D
 Acq: 29 Jul 2020 18:57

Tgt Ion:178 Resp: 461230
 Ion Ratio Lower Upper
 178 100
 176 19.3 16.2 24.2
 179 15.7 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

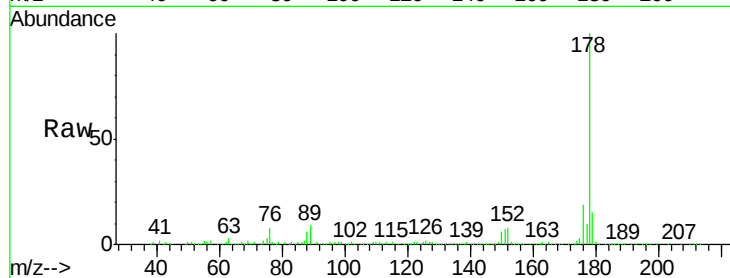




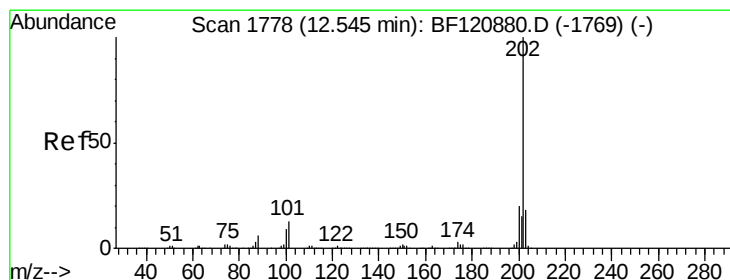
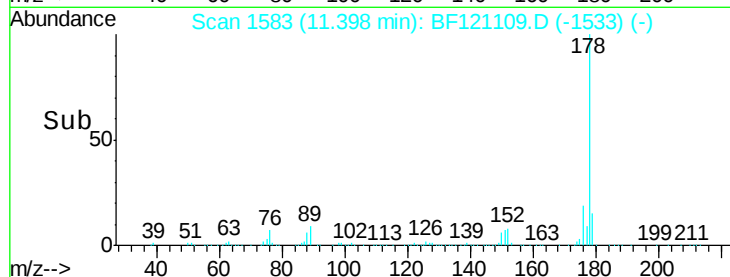
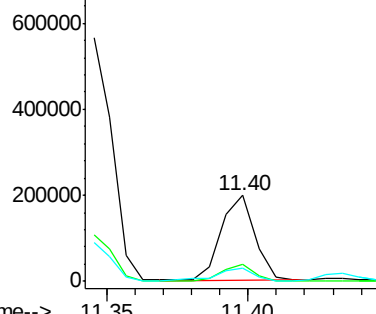
#72
 Anthracene
 Concen: 7.185 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF121109.D
 Acq: 29 Jul 2020 18:57

Instrument :
 BNA_F
 ClientSampleId :
 13

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	15.3	12.6	19.0

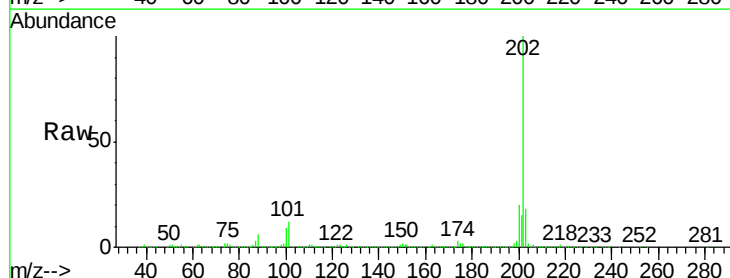


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

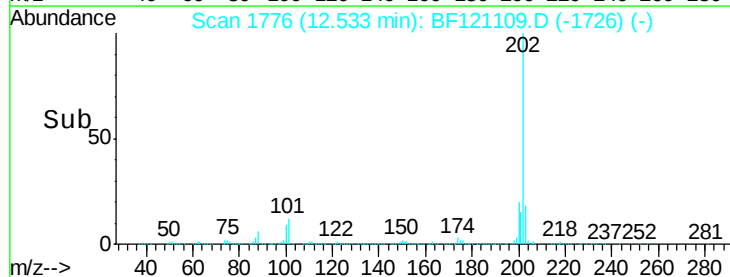
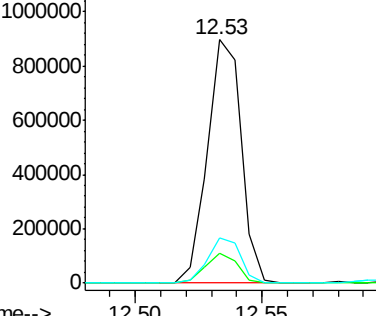


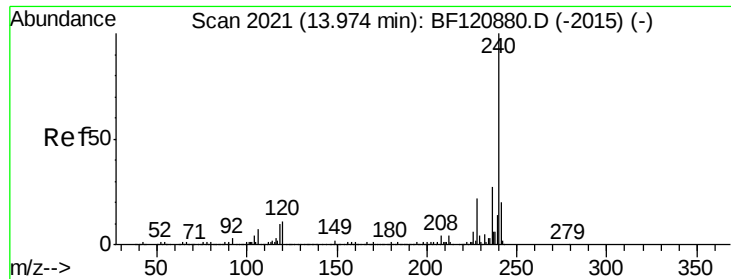
#75
 Fluoranthene
 Concen: 32.798 ng
 RT: 12.53 min Scan# 1776
 Delta R.T. -0.01 min
 Lab File: BF121109.D
 Acq: 29 Jul 2020 18:57

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	30.5
203	18.5	0.0	37.7



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

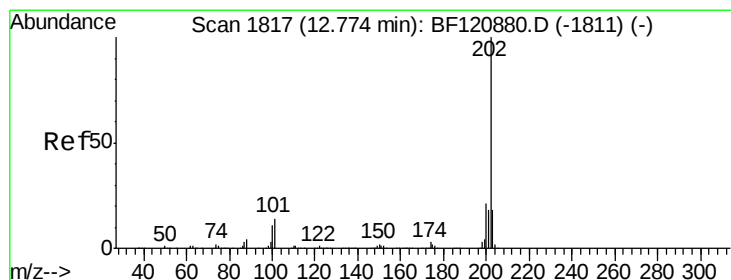
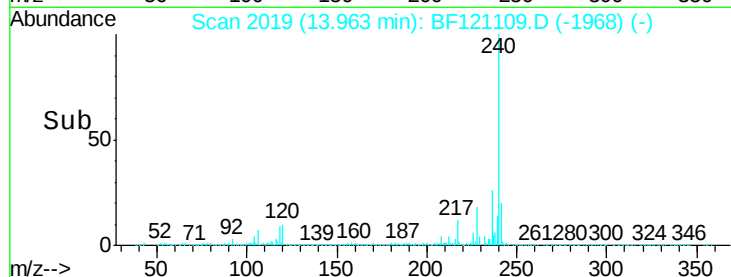
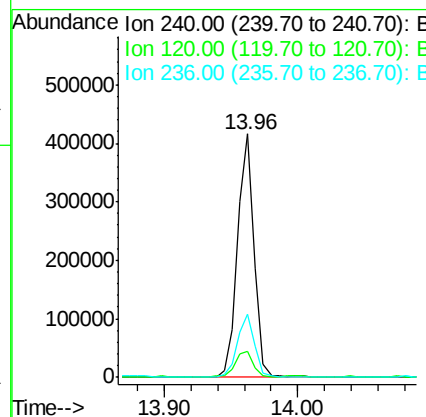
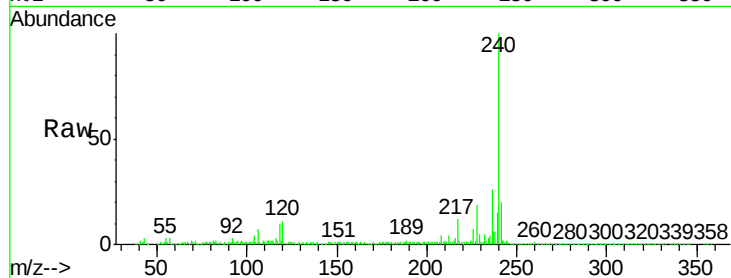




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.00 min
Lab File: BF121109.D
Acq: 29 Jul 2020 18:57

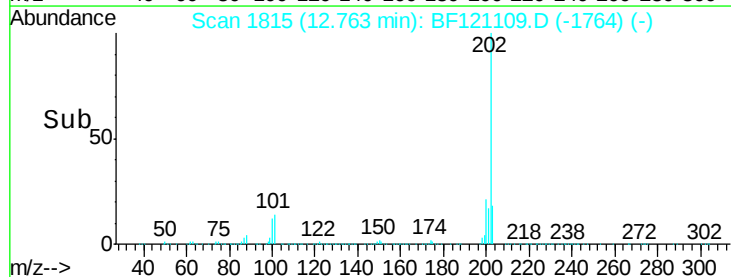
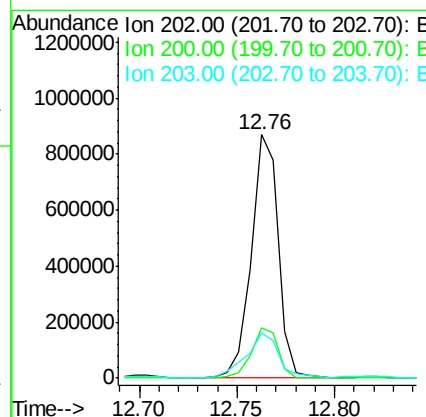
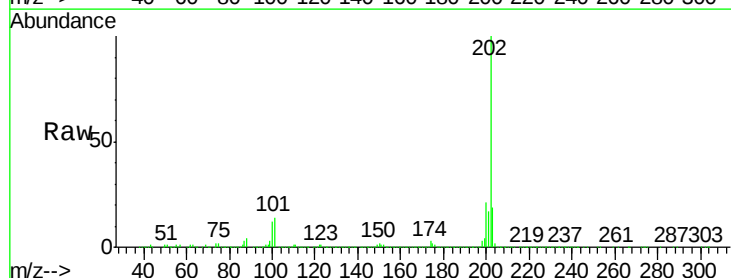
Instrument :
BNA_F
ClientSampled :
13

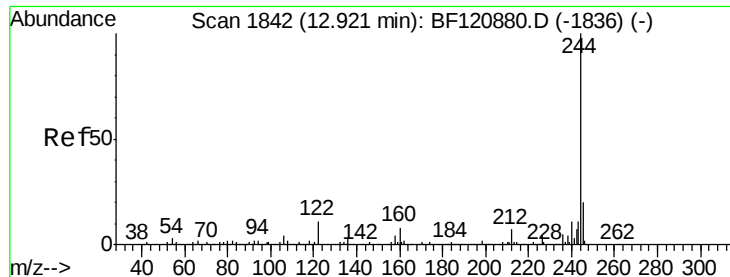
Tot Ion:240 Resp: 360495
Ion Ratio Lower Upper
240 100
120 10.8 9.3 13.9
236 26.1 21.1 31.7



#78
Pyrene
Concen: 32.437 ng
RT: 12.76 min Scan# 1815
Delta R.T. -0.00 min
Lab File: BF121109.D
Acq: 29 Jul 2020 18:57

Tgt Ion:202 Resp: 826717
Ion Ratio Lower Upper
202 100
200 20.7 17.0 25.6
203 18.5 14.6 21.8





#79

Terphenyl-d14

Concen: 11.912 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF121109.D

Acq: 29 Jul 2020 18:57

Instrument :

BNA_F

ClientSampleId :

13

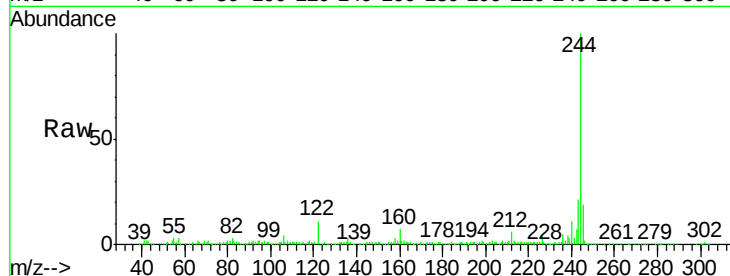
Tot Ion:244 Resp: 197538

Ion Ratio Lower Upper

244 100

212 6.5 5.7 8.5

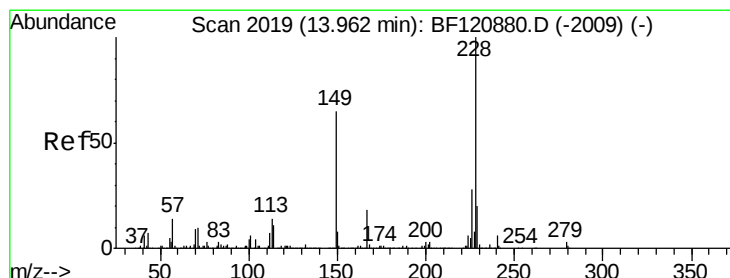
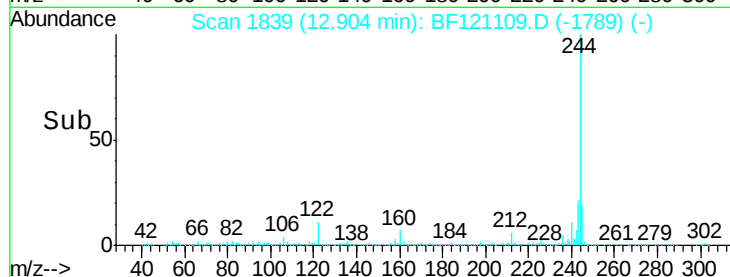
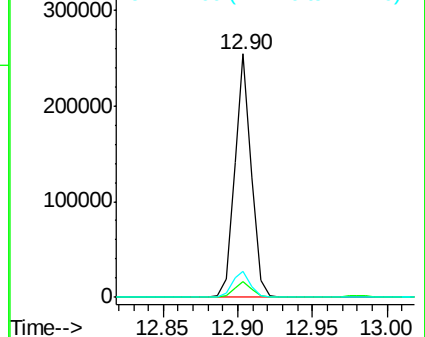
122 10.7 8.3 12.5



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



#81

Benzo(a)anthracene

Concen: 21.114 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.00 min

Lab File: BF121109.D

Acq: 29 Jul 2020 18:57

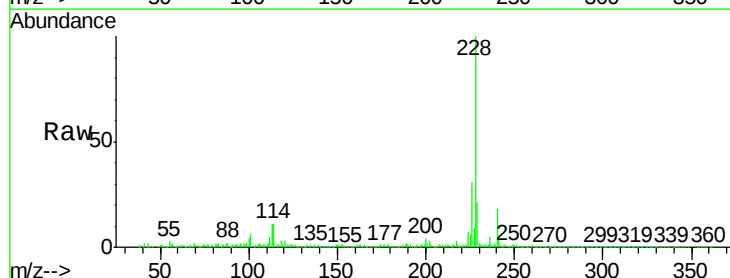
Tgt Ion:228 Resp: 460918

Ion Ratio Lower Upper

228 100

226 31.0 22.6 34.0

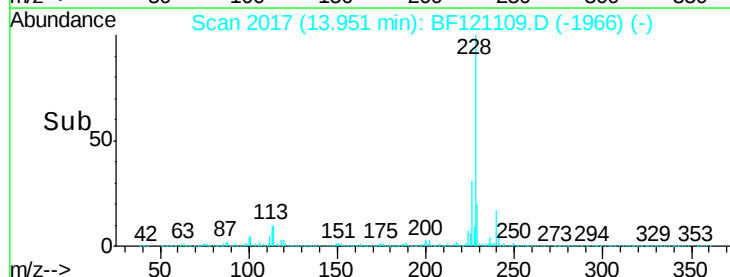
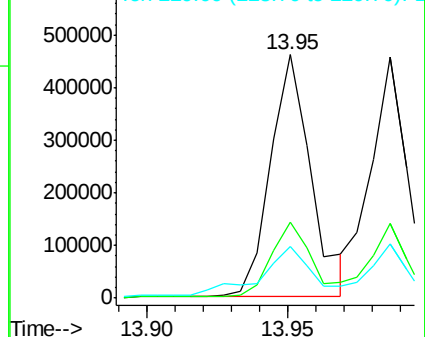
229 21.1 16.1 24.1

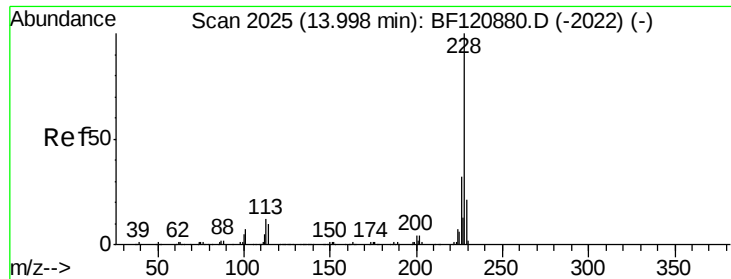


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

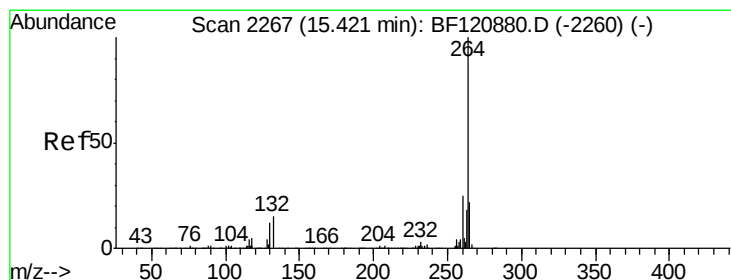
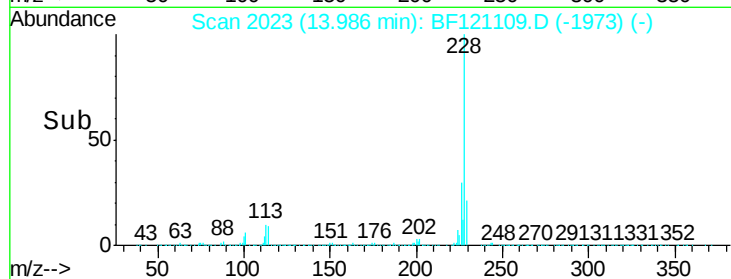
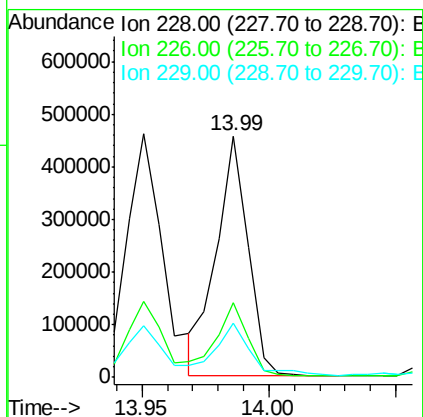
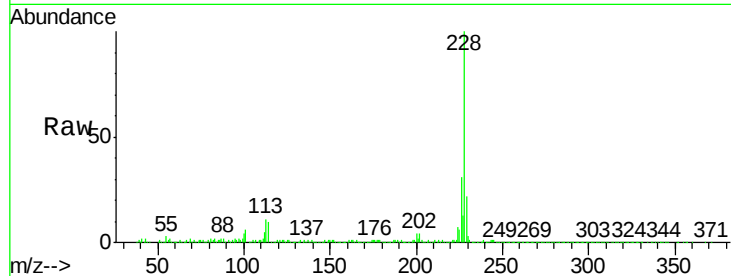




#83
Chrysene
Concen: 17.387 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF121109.D
Acq: 29 Jul 2020 18:57

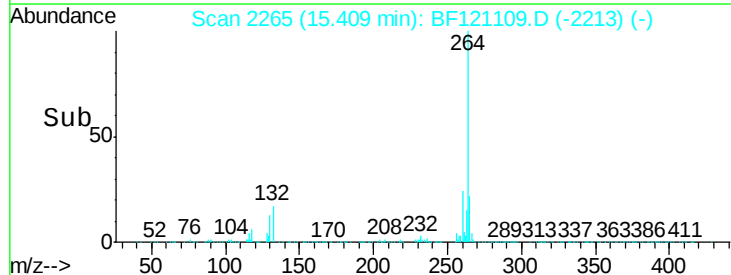
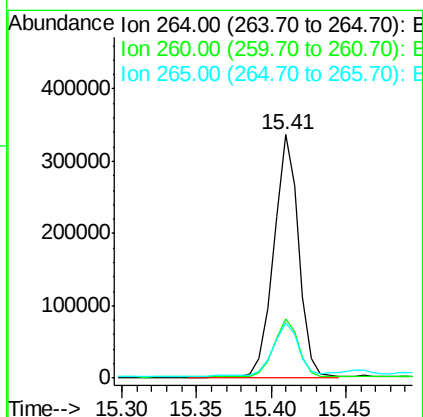
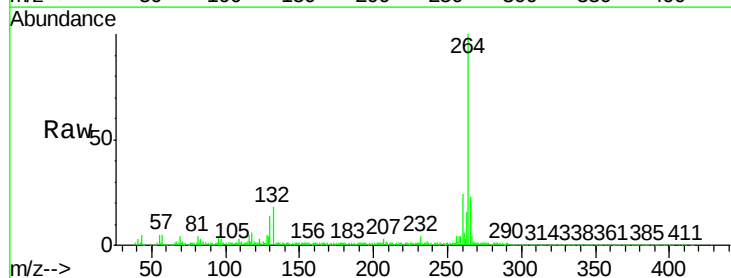
Instrument :
BNA_F
ClientSampled :
13

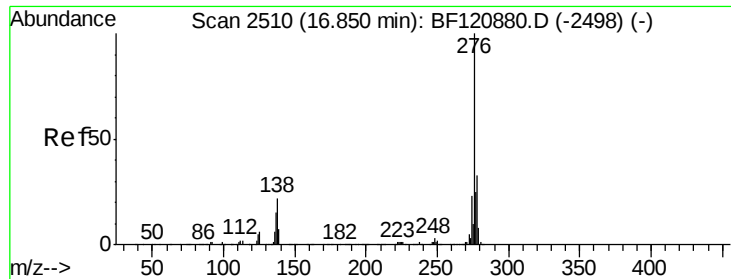
Tot Ion:228 Resp: 398863
Ion Ratio Lower Upper
228 100
226 30.9 25.4 38.0
229 22.5 16.2 24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.41 min Scan# 2265
Delta R.T. 0.01 min
Lab File: BF121109.D
Acq: 29 Jul 2020 18:57

Tgt Ion:264 Resp: 388190
Ion Ratio Lower Upper
264 100
260 24.2 19.9 29.9
265 22.7 17.8 26.8

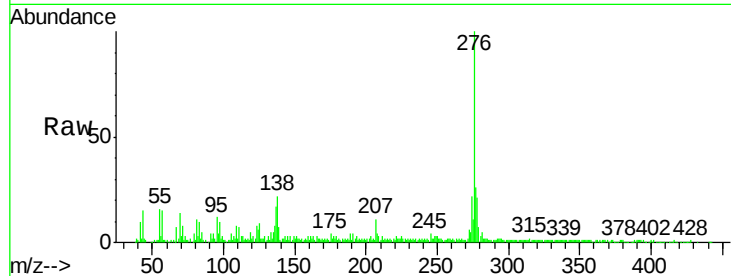




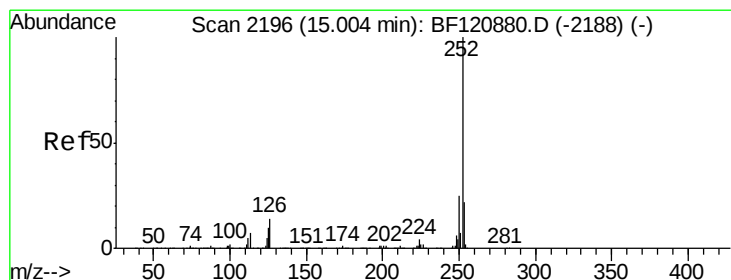
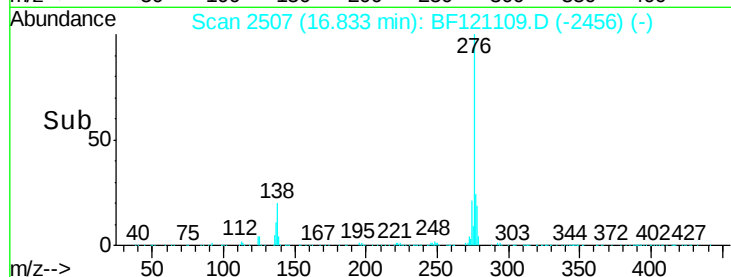
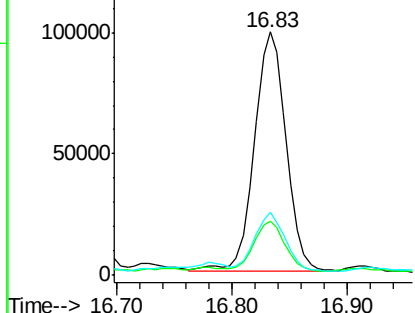
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.972 ng
 RT: 16.83 min Scan# 2507
 Delta R.T. -0.00 min
 Lab File: BF121109.D
 Acq: 29 Jul 2020 18:57

Instrument :
 BNA_F
 ClientSampled :
 13

Tot Ion:276 Resp: 188218
 Ion Ratio Lower Upper
 276 100
 138 20.7 19.3 28.9
 277 23.7 20.1 30.1

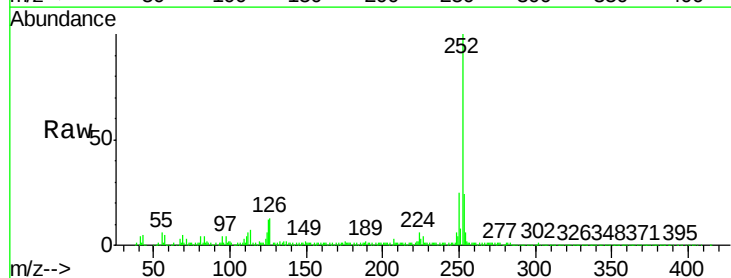


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

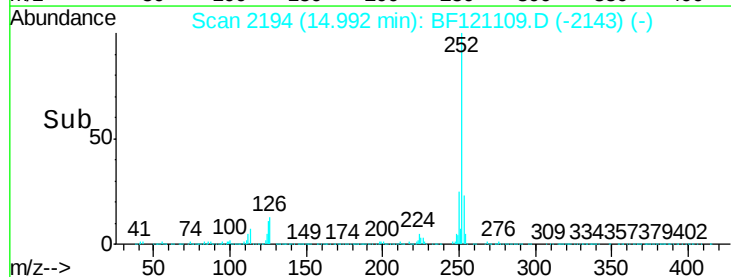
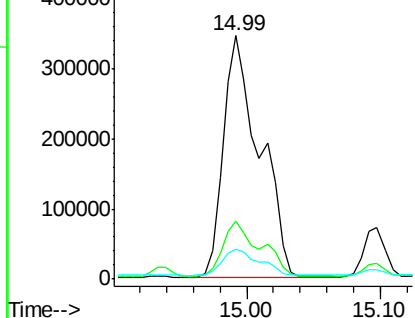


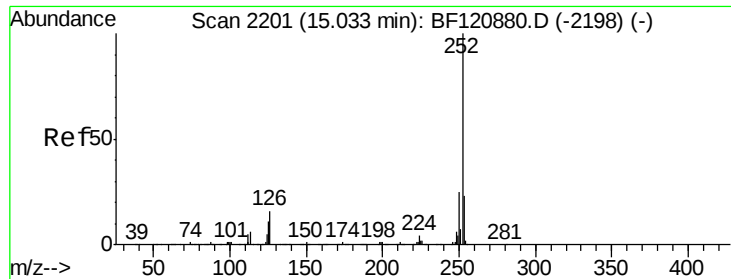
#88
 Benzo(b)fluoranthene
 Concen: 27.906 ng
 RT: 14.99 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: BF121109.D
 Acq: 29 Jul 2020 18:57

Tgt Ion:252 Resp: 654817
 Ion Ratio Lower Upper
 252 100
 253 23.7 17.9 26.9
 125 12.4 8.1 12.1#



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

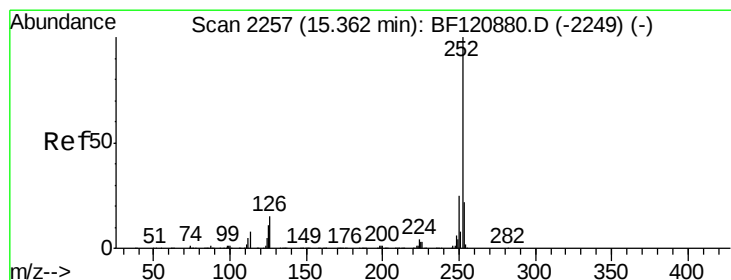
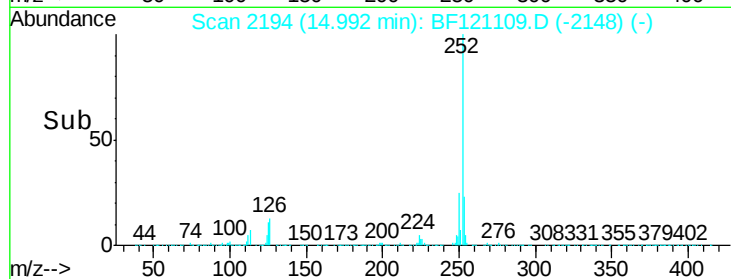
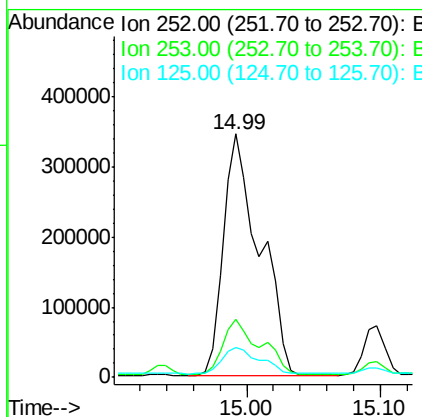
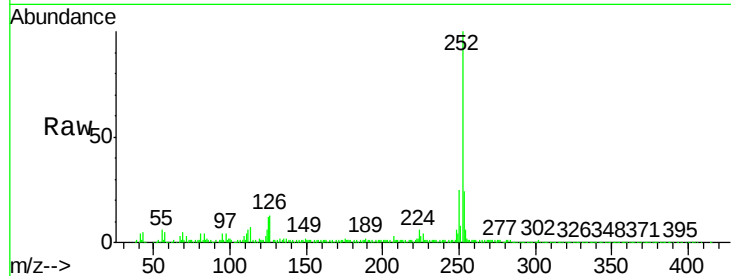




#89
Benzo(k)fluoranthene
Concen: 30.599 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.03 min
Lab File: BF121109.D
Acq: 29 Jul 2020 18:57

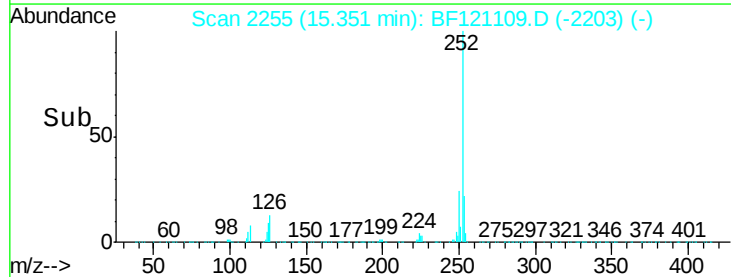
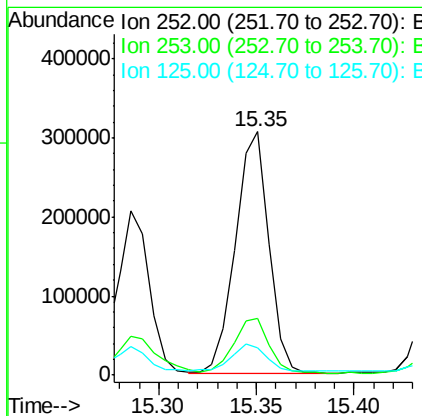
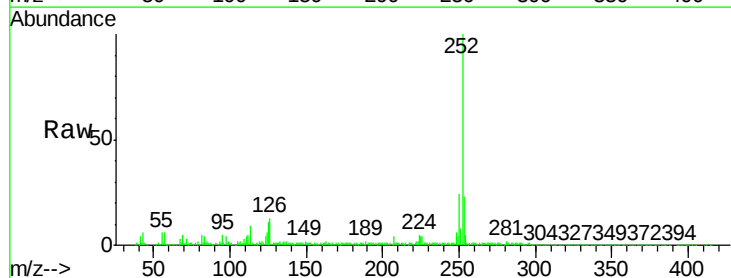
Instrument :
BNA_F
ClientSampleId :
13

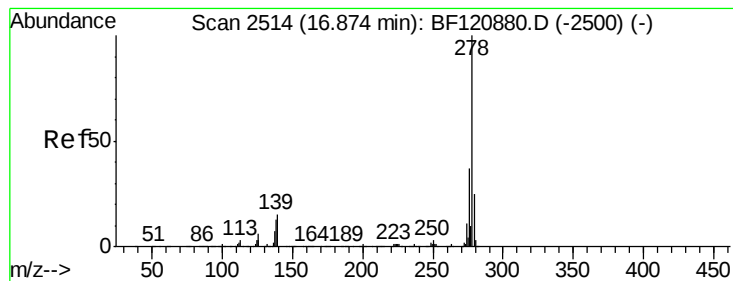
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.1	27.1
125	12.4	8.0	12.0



#90
Benzo(a)pyrene
Concen: 16.967 ng
RT: 15.35 min Scan# 2255
Delta R.T. 0.01 min
Lab File: BF121109.D
Acq: 29 Jul 2020 18:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	11.2	9.5	14.3





#91

Dibenzo(a,h)anthracene

Concen: 2.190 ng

RT: 16.84 min Scan# 2509

Delta R.T. -0.01 min

Lab File: BF121109.D

Acq: 29 Jul 2020 18:57

Instrument :

BNA_F

ClientSampleId :

13

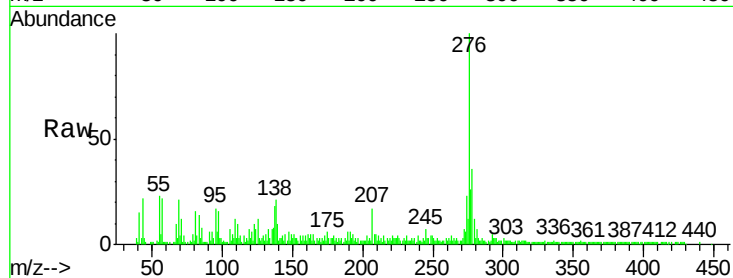
Tot Ion:278 Resp: 48296

Ion Ratio Lower Upper

278 100

139 27.2 12.6 18.8#

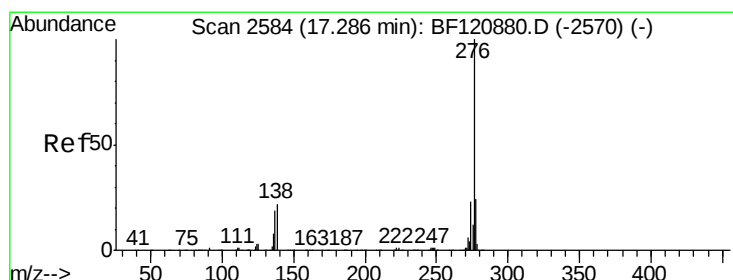
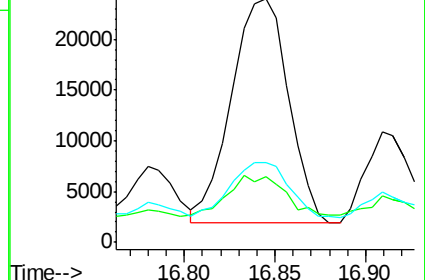
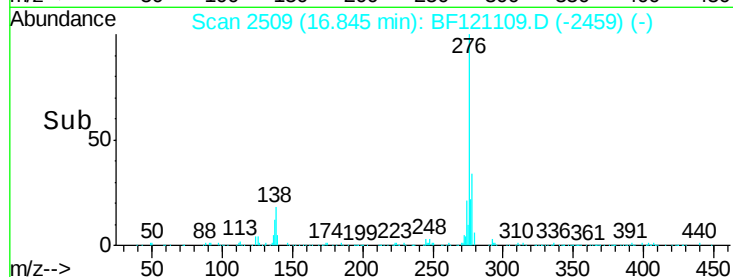
279 33.0 19.5 29.3#



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(g,h,i)perylene

Concen: 7.979 ng

RT: 17.26 min Scan# 2580

Delta R.T. -0.00 min

Lab File: BF121109.D

Acq: 29 Jul 2020 18:57

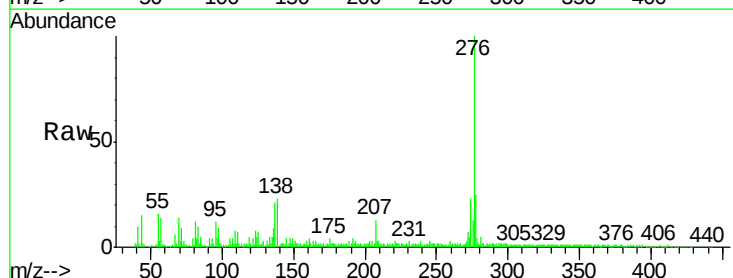
Tgt Ion:276 Resp: 173491

Ion Ratio Lower Upper

276 100

277 24.5 19.4 29.0

138 22.8 17.2 25.8



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

