

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
 Data File : BF121137.D
 Acq On : 30 Jul 2020 19:47
 Operator : JU/CG
 Sample : L3436-06 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 6

Quant Time: Jul 31 00:31:41 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	131283	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	494550	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	249680	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	447253	20.00	ng	0.00
76) Chrysene-d12	13.97	240	329288	20.00	ng	0.00
86) Perylene-d12	15.42	264	364396	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	140545	17.55	ng	-0.01
7) Phenol-d6	6.43	99	172255	16.65	ng	-0.02
23) Nitrobenzene-d5	7.36	82	100182	11.72	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	40070	14.66	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	213092	12.74	ng	0.00
79) Terphenyl-d14	12.91	244	190078	12.55	ng	0.00

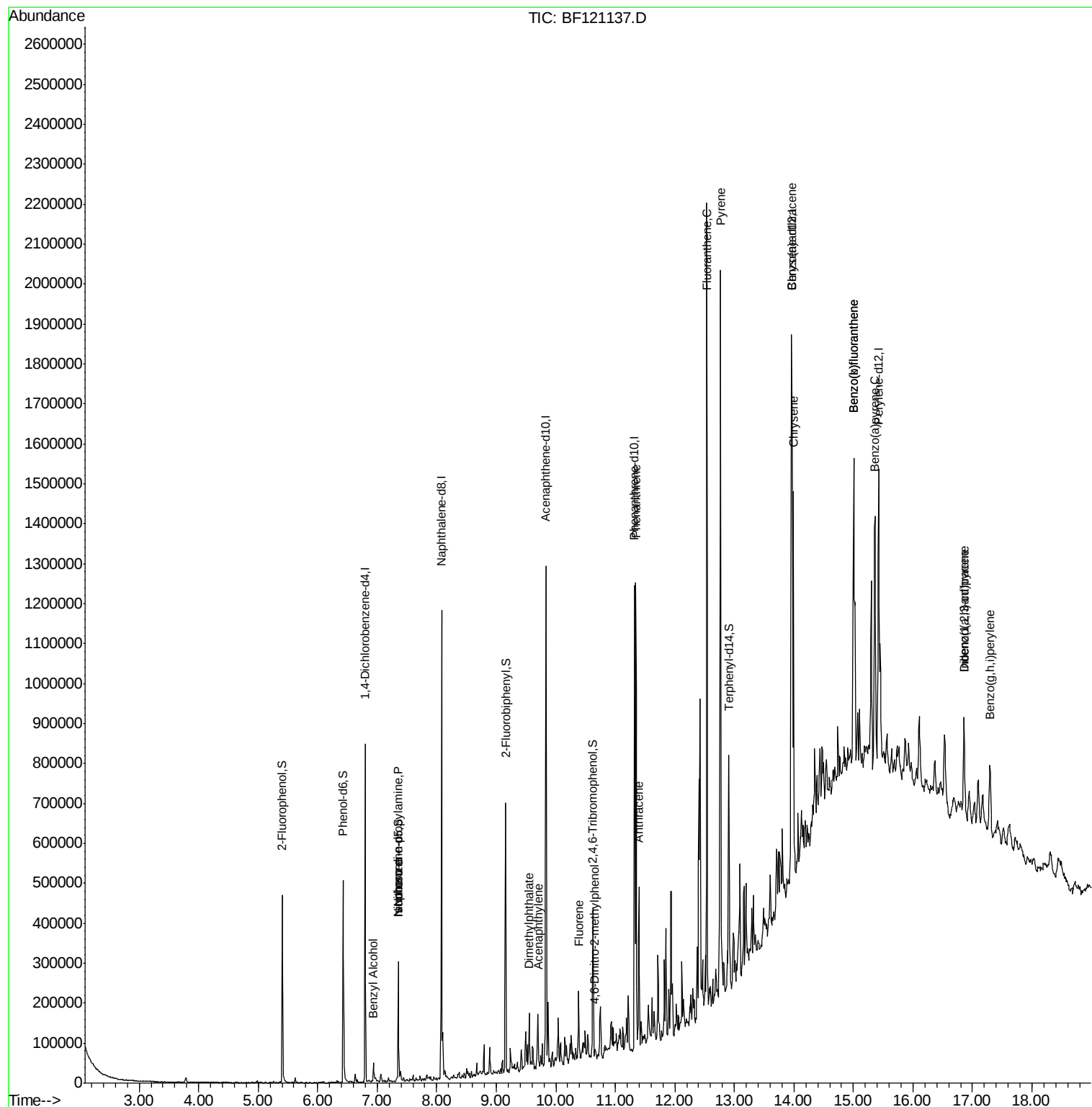
Target Compounds				Qvalue		
9) Benzaldehyde	6.35	77	331	Below Cal	#	3
15) Benzyl Alcohol	6.94	79	15161	2.072	ng	94
19) n-Nitroso-di-n-propylamine	7.35	70	13605	2.313	ng	# 83
25) Isophorone	7.36	82	96643	5.666	ng	# 63
49) Acenaphthylene	9.70	152	49098	2.035	ng	99
50) Dimethylphthalate	9.55	163	41099	2.282	ng	# 99
58) Fluorene	10.38	166	44739	2.705	ng	# 96
65) 4,6-Dinitro-2-methylphenol	10.66	198	119	3.885	ng	# 1
71) Phenanthrene	11.35	178	406694	17.681	ng	99
72) Anthracene	11.40	178	141230	6.114	ng	98
75) Fluoranthene	12.54	202	774002	30.357	ng	98
78) Pylene	12.77	202	750080	32.219	ng	99
81) Benzo(a)anthracene	13.96	228	385674	19.342	ng	96
83) Chrysene	13.99	228	359909	17.175	ng	96
87) Indeno(1,2,3-cd)pyrene	16.86	276	176140	6.950	ng	97
88) Benzo(b)fluoranthene	15.00	252	626271	28.433	ng	# 97
89) Benzo(k)fluoranthene	15.00	252	626271	31.176	ng	# 97
90) Benzo(a)pyrene	15.36	252	337291	16.784	ng	98
91) Dibenzo(a,h)anthracene	16.86	278	45504	2.198	ng	# 78
92) Benzo(a,h,i)perylene	17.29	276	160509	7.864	ng	100

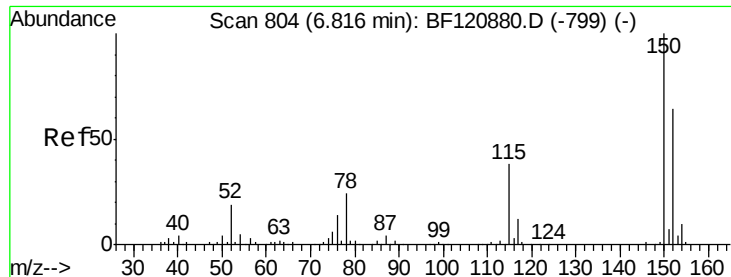
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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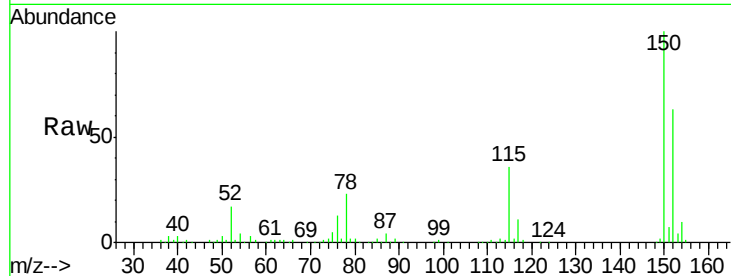


#1

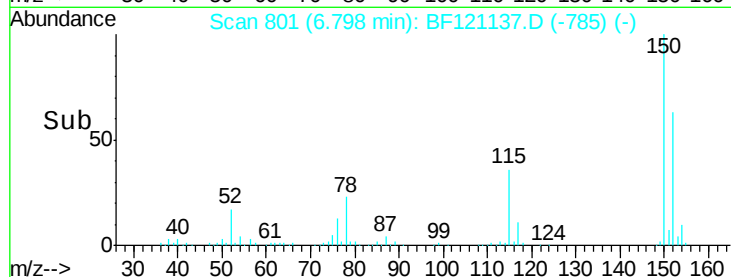
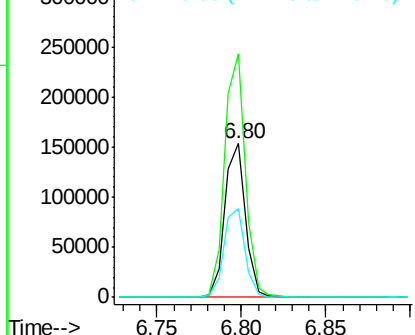
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF121137.D
Acq: 30 Jul 2020 19:47

Instrument :
BNA_F
ClientSampleId :
6

Tot Ion:152 Resp: 131283
Ion Ratio Lower Upper
152 100
150 158.2 125.6 188.4
115 57.3 46.2 69.2



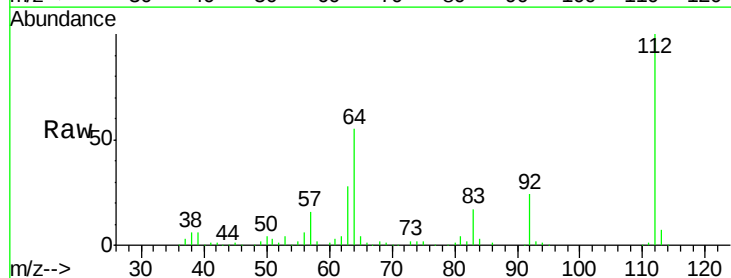
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



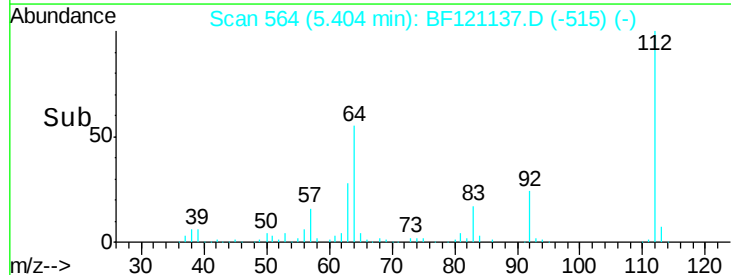
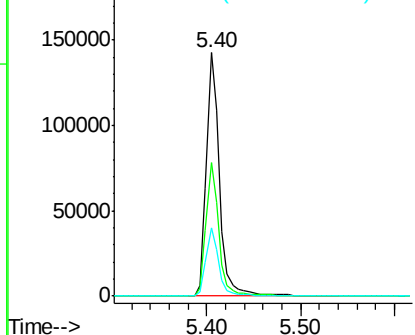
#5

2-Fluorophenol
Concen: 17.550 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.01 min
Lab File: BF121137.D
Acq: 30 Jul 2020 19:47

Tgt Ion:112 Resp: 140545
Ion Ratio Lower Upper
112 100
64 55.1 43.9 65.9
63 27.8 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: 16.652 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.02 min

Lab File: BF121137.D

Acq: 30 Jul 2020 19:47

Instrument :

BNA_F

ClientSampled :

6

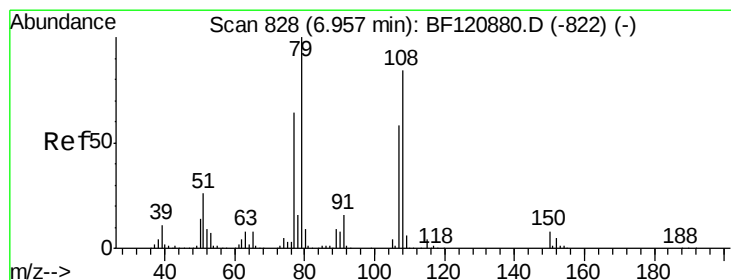
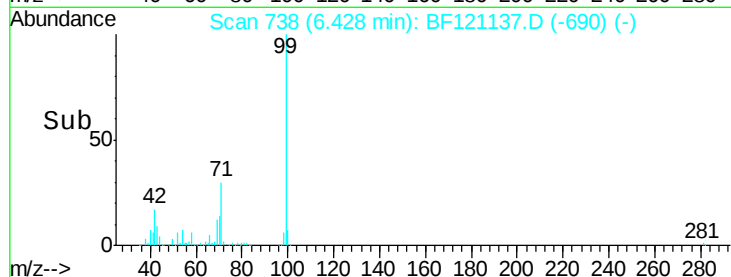
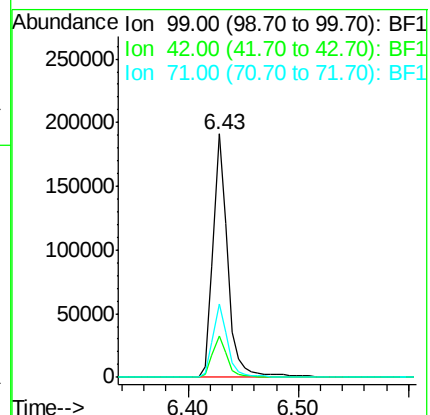
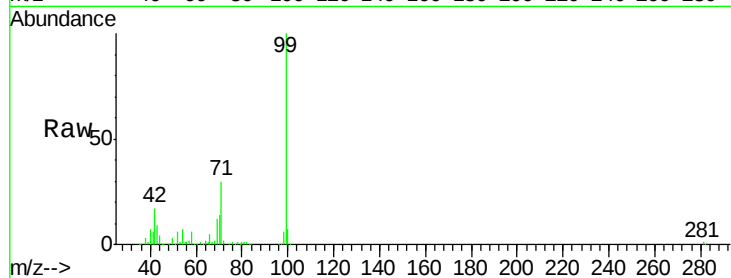
Tot Ion: 99 Resp: 172255

Ion Ratio Lower Upper

99 100

42 17.0 13.5 20.3

71 30.2 25.0 37.4



#15

Benzyl Alcohol

Concen: 2.072 ng

RT: 6.94 min Scan# 825

Delta R.T. -0.01 min

Lab File: BF121137.D

Acq: 30 Jul 2020 19:47

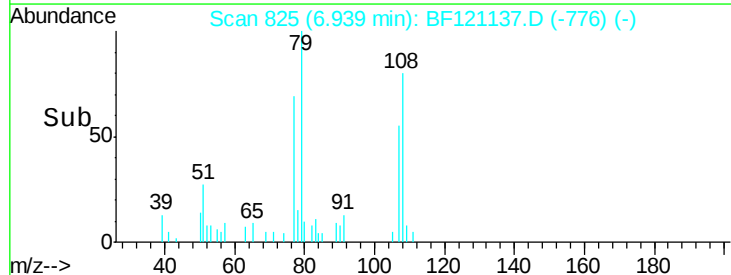
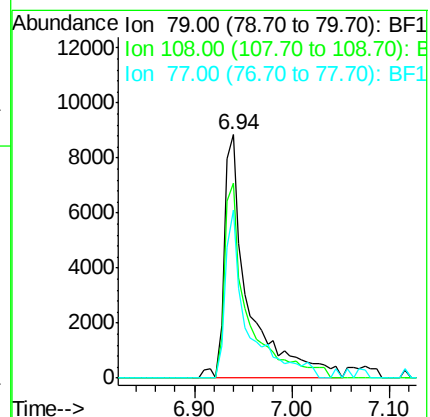
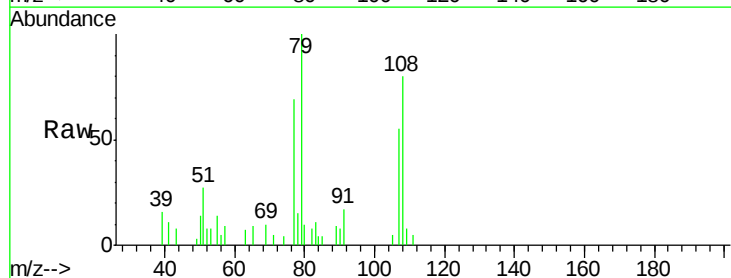
Tgt Ion: 79 Resp: 15161

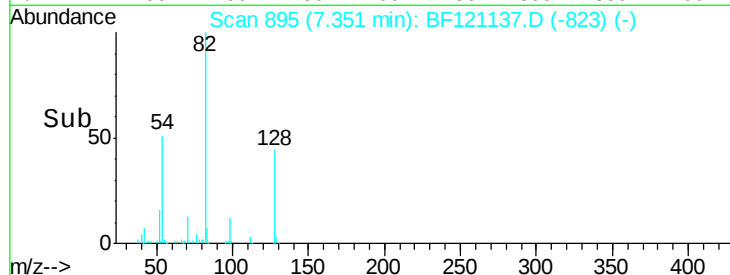
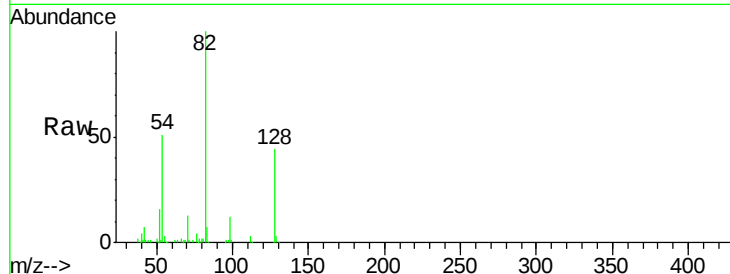
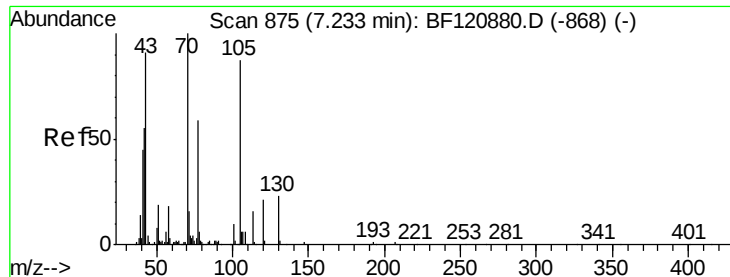
Ion Ratio Lower Upper

79 100

108 80.2 68.6 103.0

77 69.2 51.4 77.2

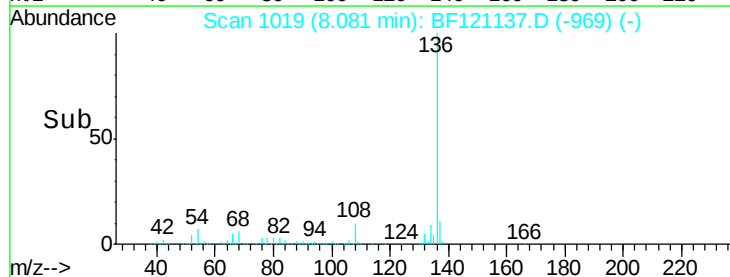
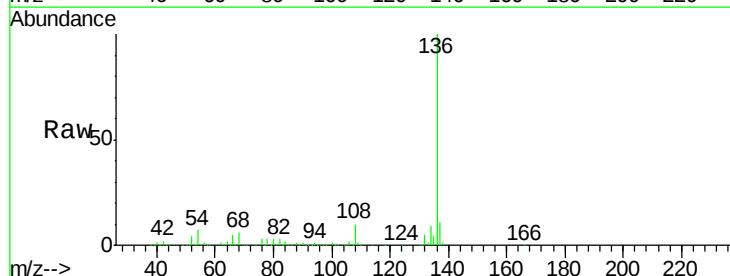
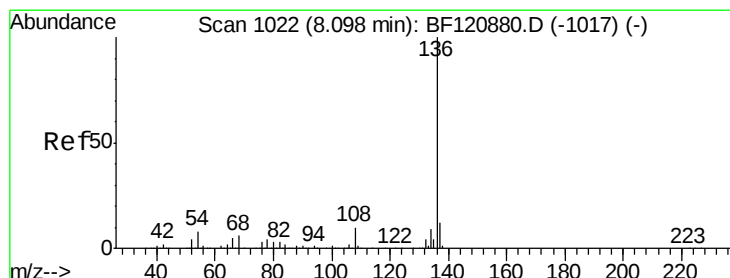
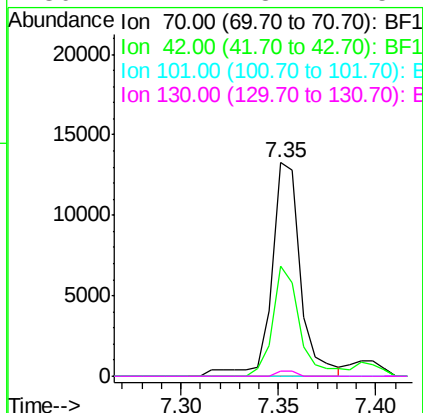




#19
n-Nitroso-di-n-propylamine
Concen: 2.313 ng
RT: 7.35 min Scan# 895
Delta R.T. 0.12 min
Lab File: BF121137.D
Acq: 30 Jul 2020 19:47

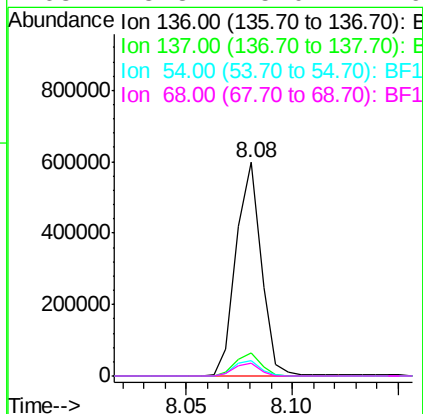
Instrument :
BNA_F
ClientSampleId :
6

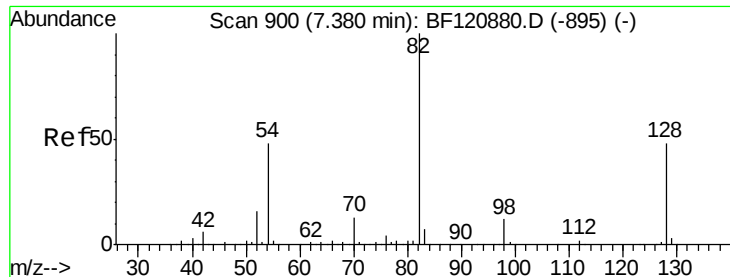
Tot Ion:	70	Resp:	13605
Ion Ratio	Lower	Upper	
70	100		
42	51.3	43.3	64.9
101	0.0	8.4	12.6#
130	2.4	18.7	28.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF121137.D
Acq: 30 Jul 2020 19:47

Tgt Ion:	136	Resp:	494550
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.0	13.4
54	7.1	6.1	9.1
68	5.8	5.0	7.6





#23

Nitrobenzene-d5

Concen: 11.721 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.02 min

Lab File: BF121137.D

Acq: 30 Jul 2020 19:47

Instrument :

BNA_F

ClientSampleId :

6

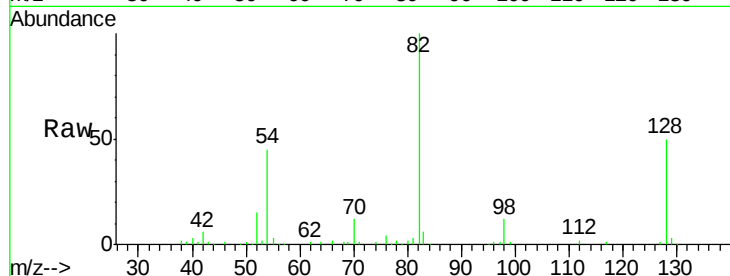
Tot Ion: 82 Resp: 100182

Ion Ratio Lower Upper

82 100

128 49.7 39.2 58.8

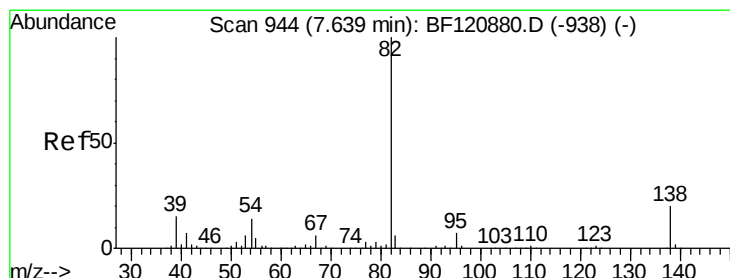
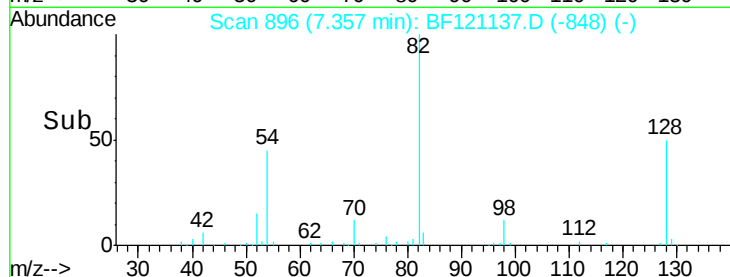
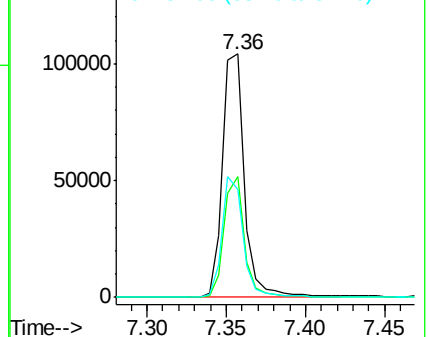
54 44.6 37.8 56.8



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: 5.666 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.28 min

Lab File: BF121137.D

Acq: 30 Jul 2020 19:47

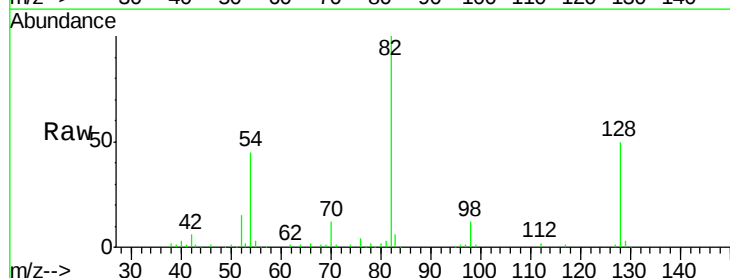
Tgt Ion: 82 Resp: 96643

Ion Ratio Lower Upper

82 100

95 0.4 5.5 8.3#

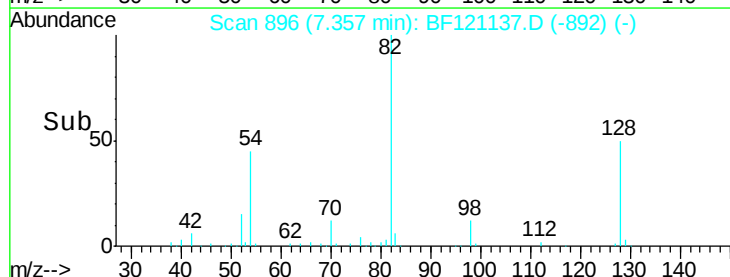
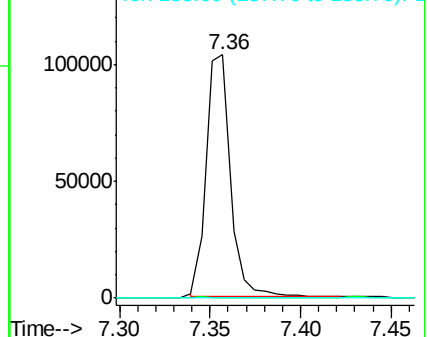
138 0.0 16.2 24.2#

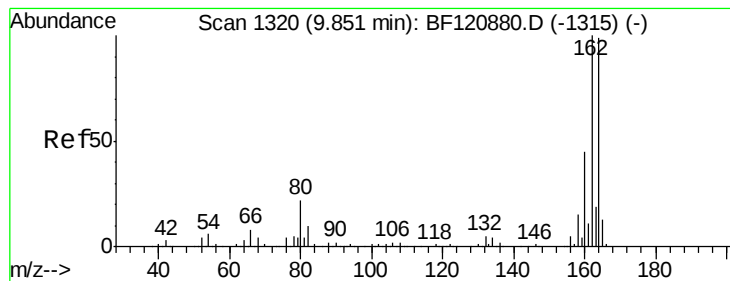


Abundance Ion 82.00 (81.70 to 82.70): BF1

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: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF121137.D

Acq: 30 Jul 2020 19:47

Instrument :

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ClientSampleId :

6

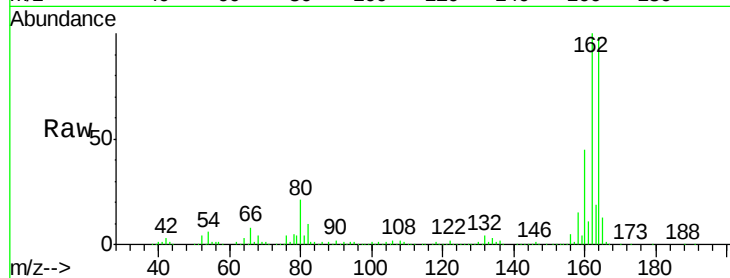
Tot Ion:164 Resp: 249680

Ion Ratio Lower Upper

164 100

162 102.3 82.2 123.2

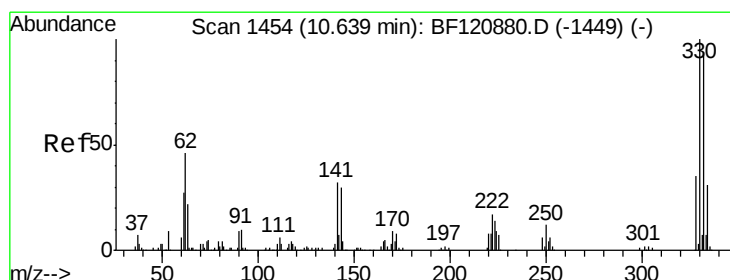
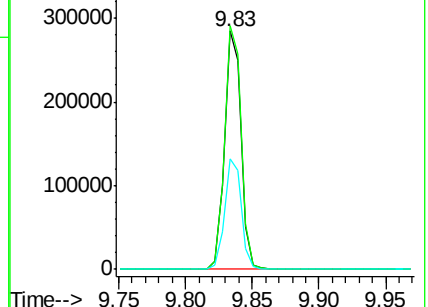
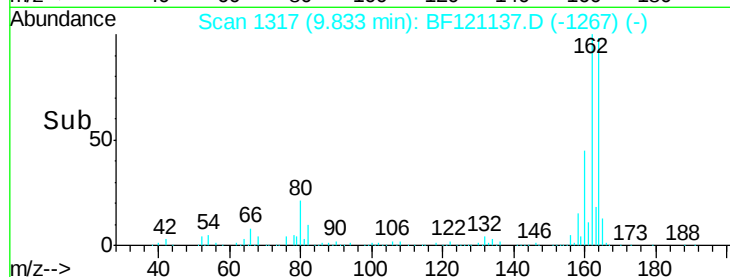
160 46.4 37.2 55.8



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: 14.662 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BF121137.D

Acq: 30 Jul 2020 19:47

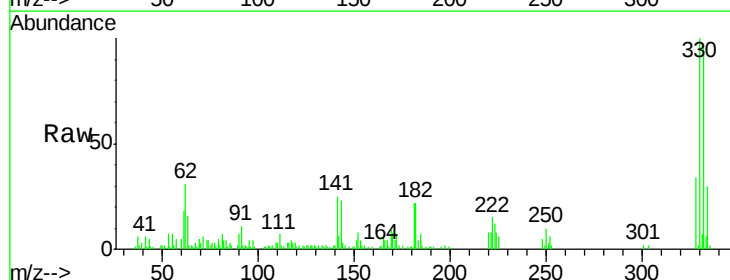
Tgt Ion:330 Resp: 40070

Ion Ratio Lower Upper

330 100

332 97.6 76.1 114.1

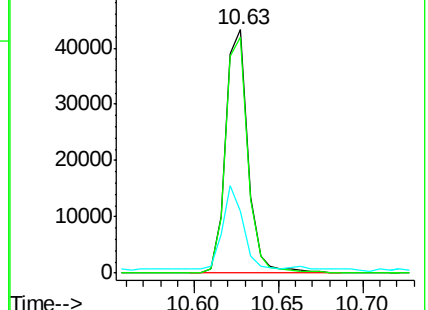
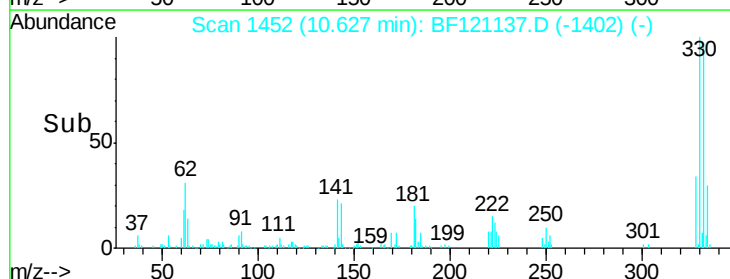
141 31.1 24.1 36.1

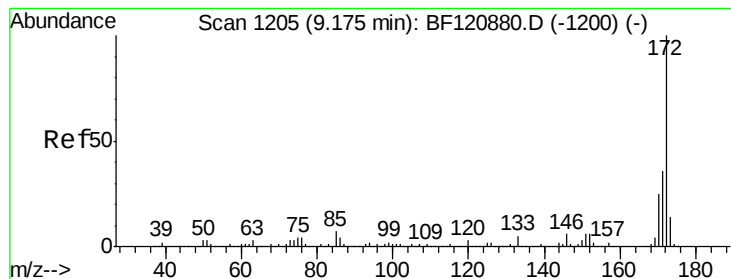


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 12.743 ng

RT: 9.16 min Scan# 1202

Delta R.T. -0.01 min

Lab File: BF121137.D

Acq: 30 Jul 2020 19:47

Instrument :

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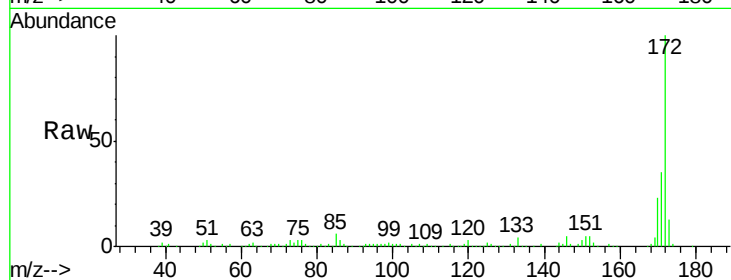
Tot Ion:172 Resp: 213092

Ion Ratio Lower Upper

172 100

171 35.1 29.0 43.4

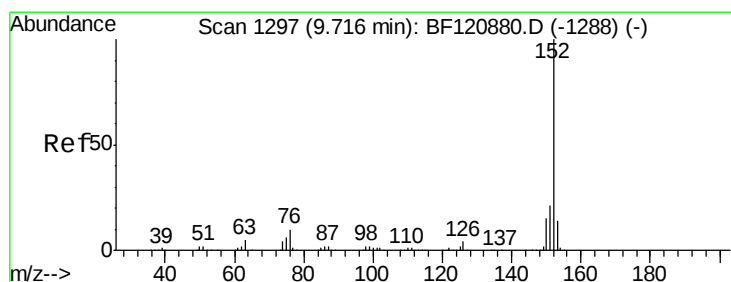
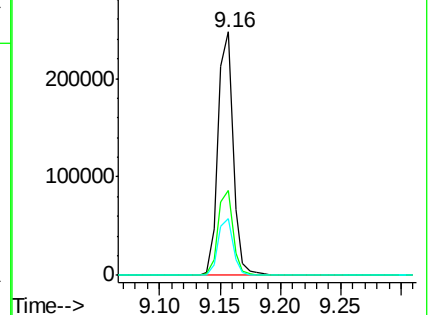
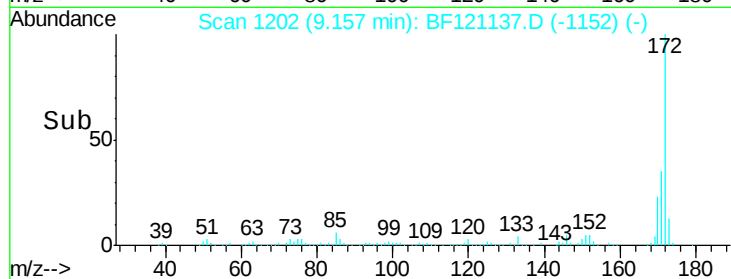
170 23.5 19.6 29.4



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: 2.035 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.01 min

Lab File: BF121137.D

Acq: 30 Jul 2020 19:47

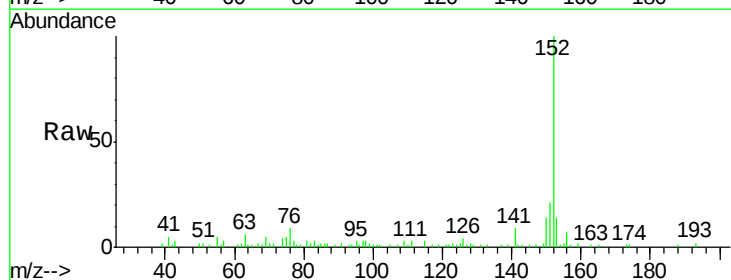
Tgt Ion:152 Resp: 49098

Ion Ratio Lower Upper

152 100

151 20.5 16.6 25.0

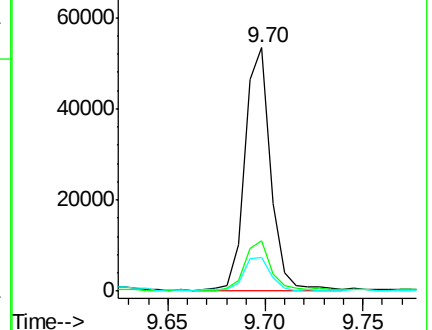
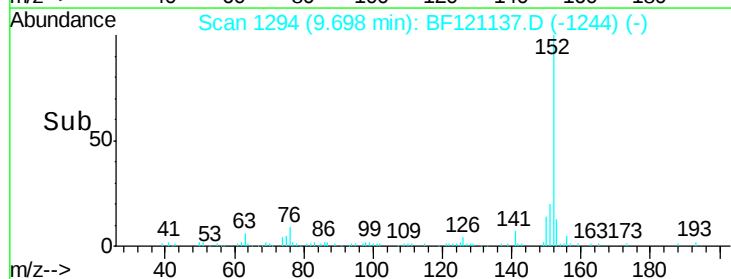
153 13.9 11.0 16.4

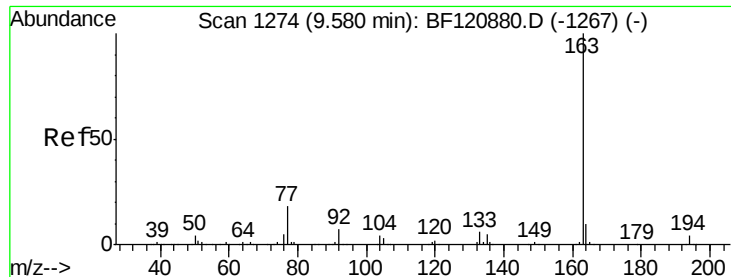


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#50

Dimethylphthalate

Concen: 2.282 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.02 min

Lab File: BF121137.D

Acq: 30 Jul 2020 19:47

Instrument :

BNA_F

ClientSampleId :

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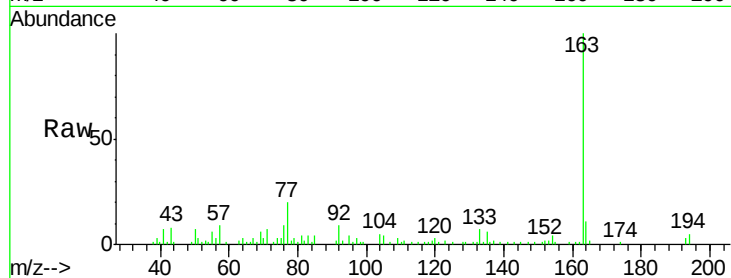
Tot Ion:163 Resp: 41099

Ion Ratio Lower Upper

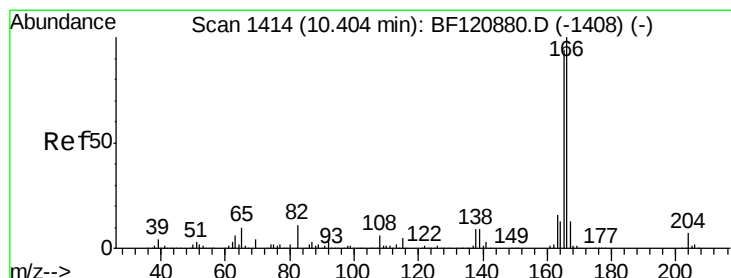
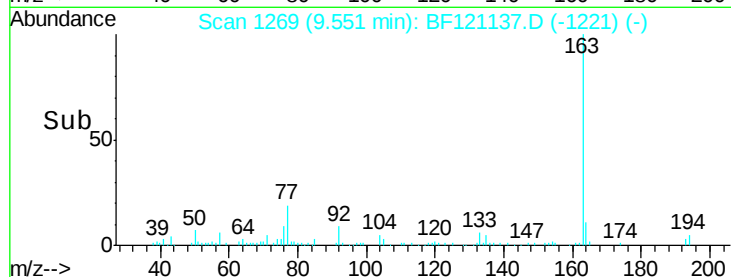
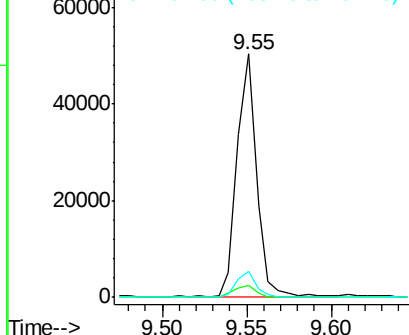
163 100

194 4.7 3.0 4.4#

164 10.6 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



#58

Fluorene

Concen: 2.705 ng

RT: 10.38 min Scan# 1410

Delta R.T. -0.01 min

Lab File: BF121137.D

Acq: 30 Jul 2020 19:47

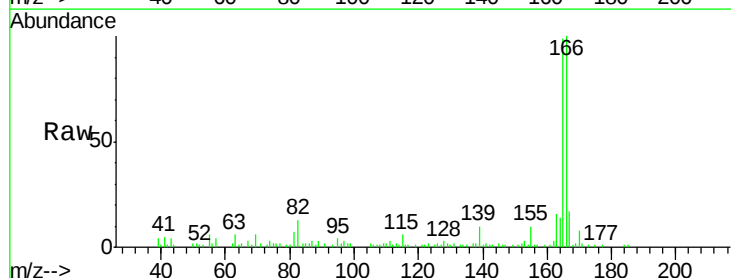
Tgt Ion:166 Resp: 44739

Ion Ratio Lower Upper

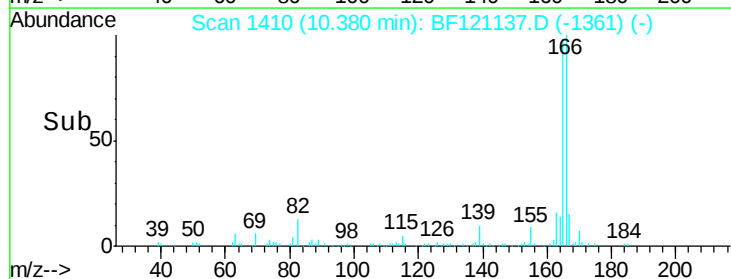
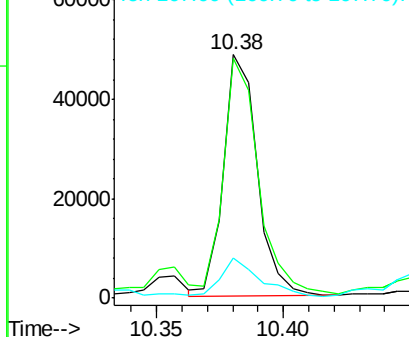
166 100

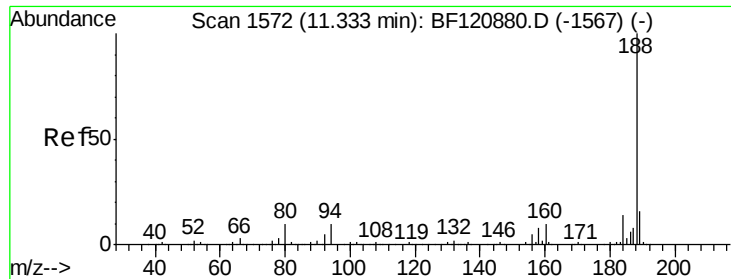
165 98.7 76.4 114.6

167 16.6 10.7 16.1#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.00 min

Lab File: BF121137.D

Acq: 30 Jul 2020 19:47

Instrument :

BNA_F

ClientSampleId :

6

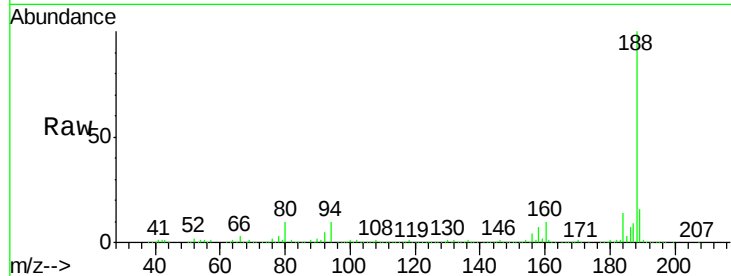
Tot Ion:188 Resp: 447253

Ion Ratio Lower Upper

188 100

94 9.6 8.0 12.0

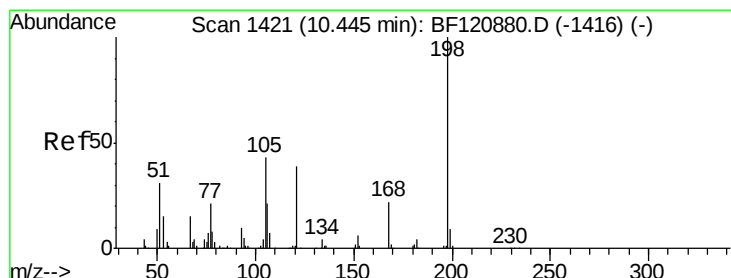
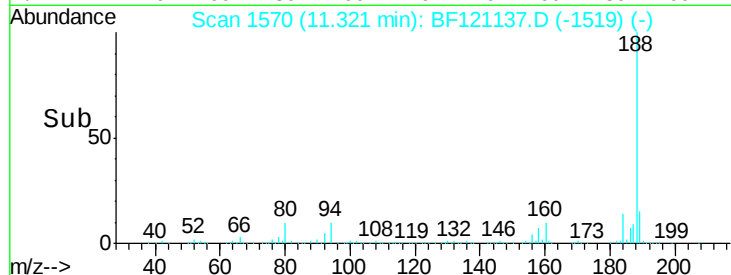
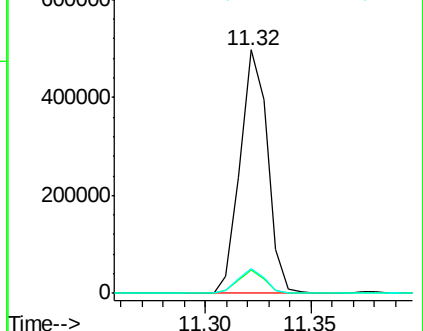
80 10.0 8.3 12.5



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



#65

4,6-Dinitro-2-methylphenol

Concen: 3.885 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.22 min

Lab File: BF121137.D

Acq: 30 Jul 2020 19:47

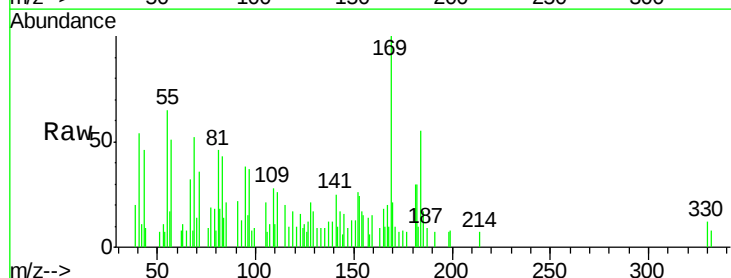
Tgt Ion:198 Resp: 119

Ion Ratio Lower Upper

198 100

51 103.9 23.4 63.4#

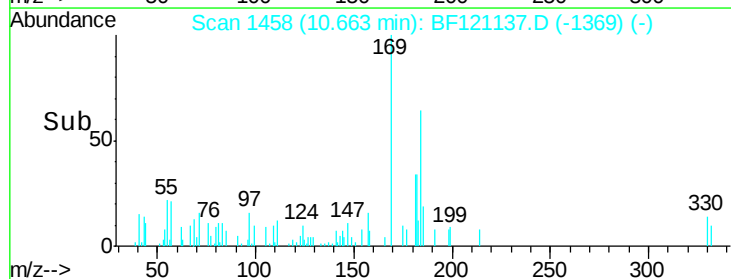
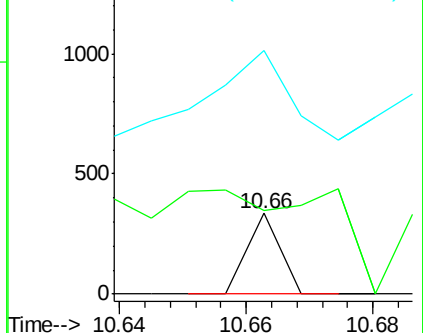
105 300.6 23.7 63.7#

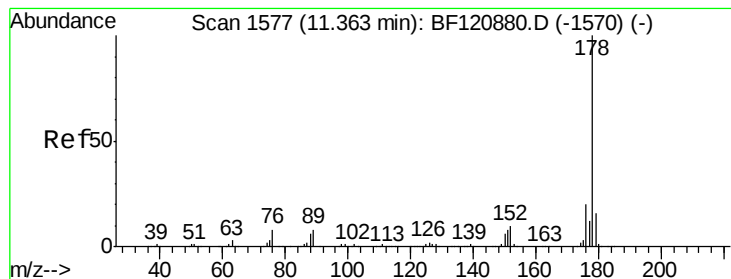


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#71

Phenanthrene

Concen: 17.681 ng

RT: 11.35 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BF121137.D

Acq: 30 Jul 2020 19:47

Instrument :

BNA_F

ClientSampleId :

6

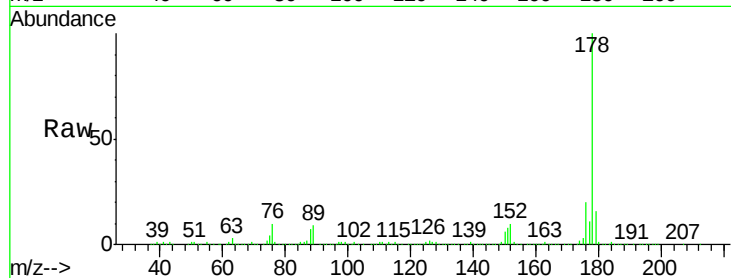
Tot Ion:178 Resp: 406694

Ion Ratio Lower Upper

178 100

176 19.8 16.2 24.2

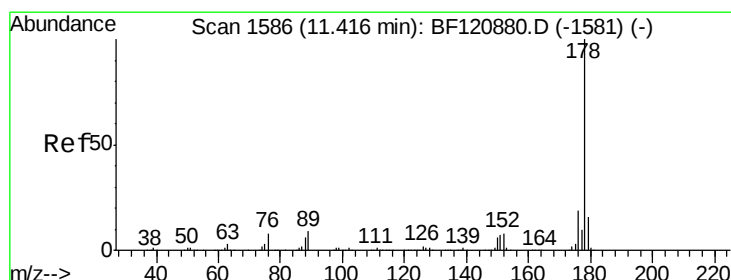
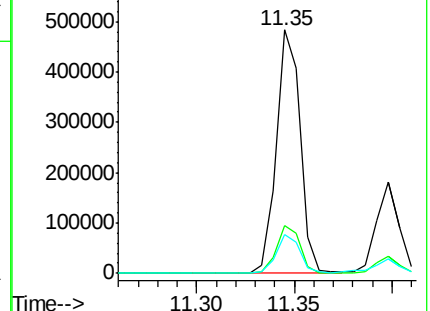
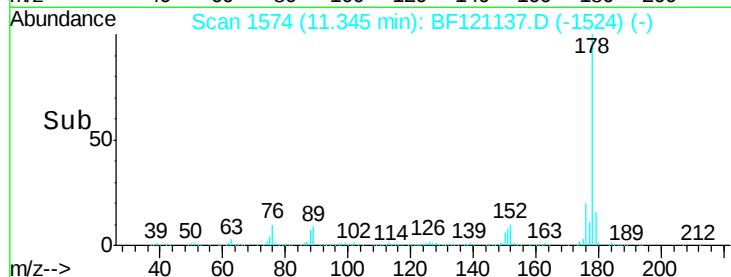
179 15.7 12.6 19.0



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: 6.114 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF121137.D

Acq: 30 Jul 2020 19:47

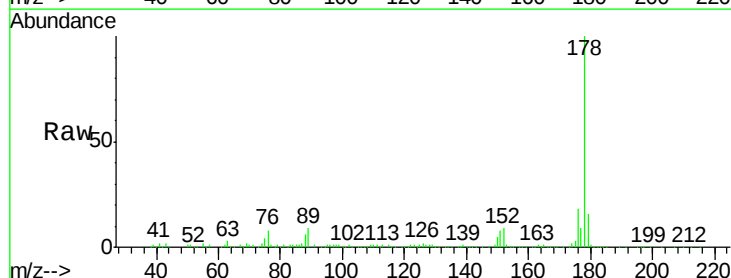
Tgt Ion:178 Resp: 141230

Ion Ratio Lower Upper

178 100

176 18.0 15.8 23.8

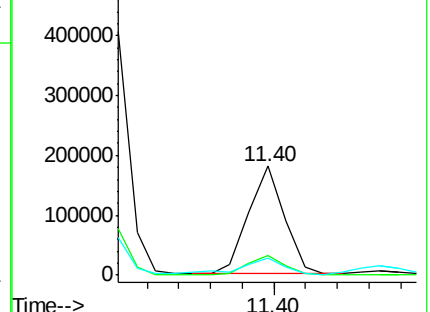
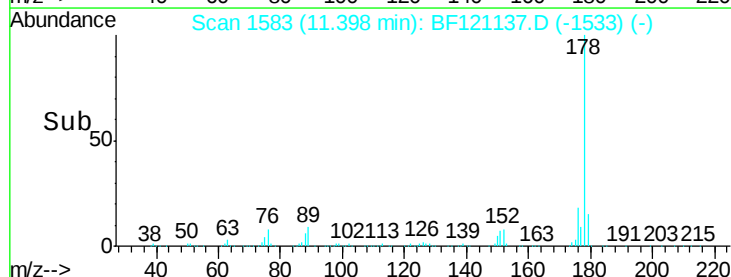
179 15.8 12.6 19.0

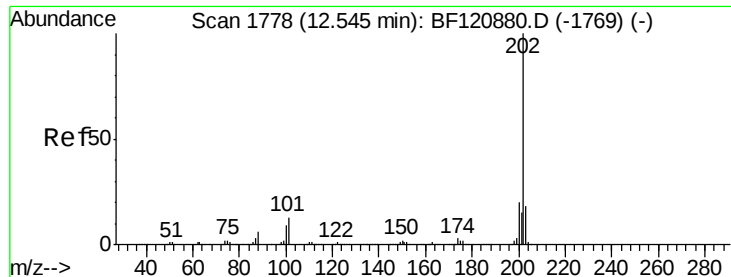


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 30.357 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.00 min

Lab File: BF121137.D

Acq: 30 Jul 2020 19:47

Instrument :

BNA_F

ClientSampleId :

6

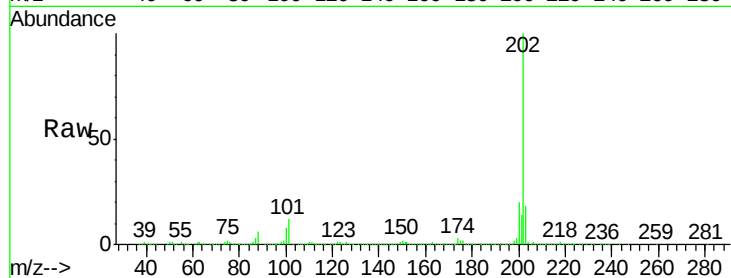
Tot Ion:202 Resp: 774002

Ion Ratio Lower Upper

202 100

101 11.8 0.0 30.5

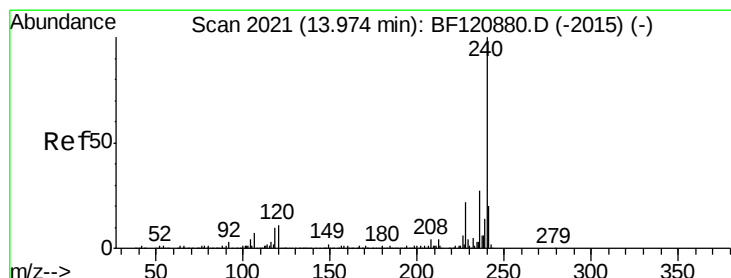
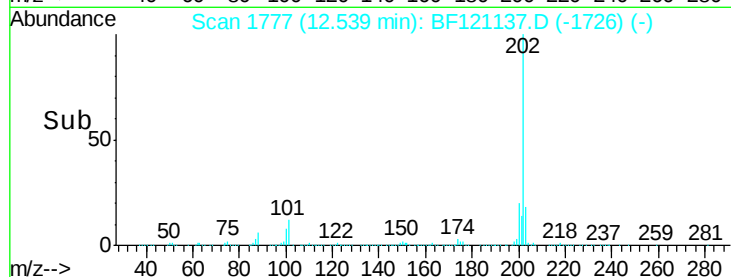
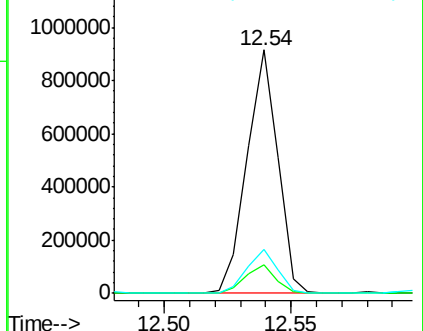
203 17.8 0.0 37.7



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: 13.97 min Scan# 2020

Delta R.T. 0.01 min

Lab File: BF121137.D

Acq: 30 Jul 2020 19:47

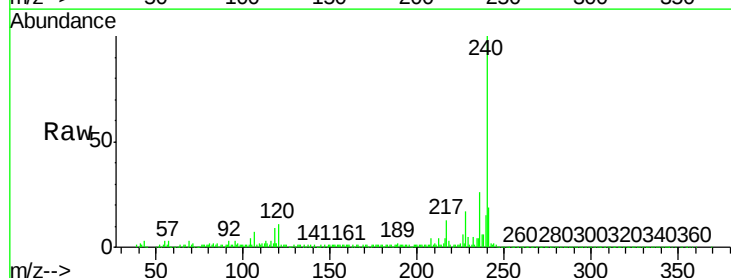
Tgt Ion:240 Resp: 329288

Ion Ratio Lower Upper

240 100

120 10.7 9.3 13.9

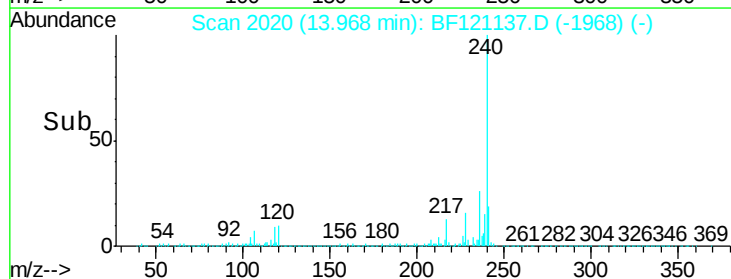
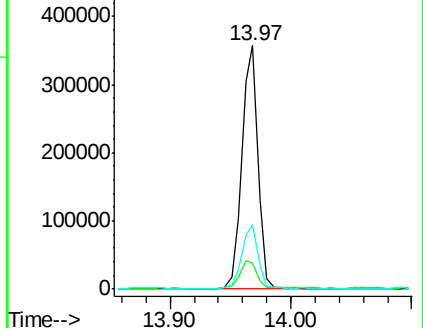
236 26.5 21.1 31.7

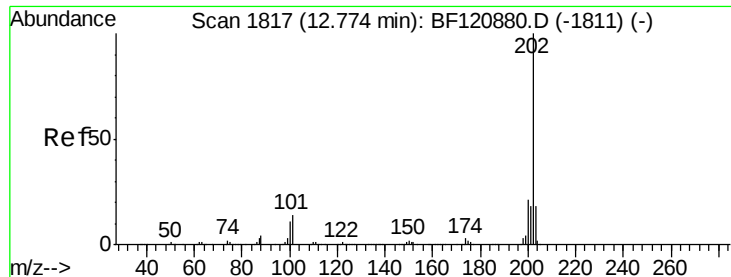


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

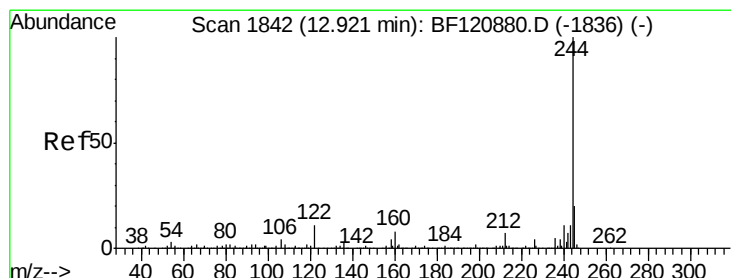
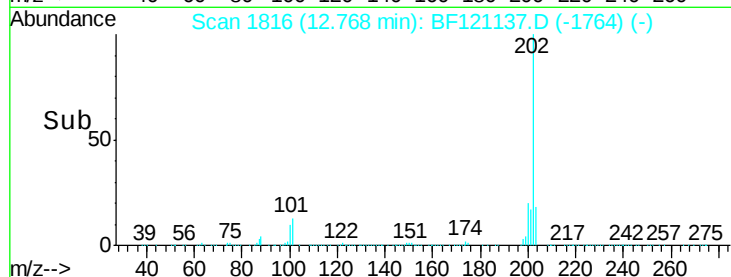
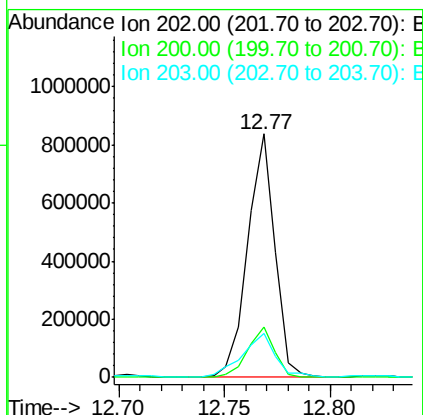
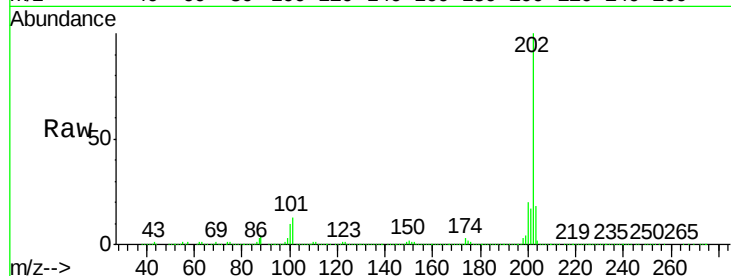




#78
Pvrene
Concen: 32.219 ng
RT: 12.77 min Scan# 1816
Delta R.T. 0.01 min
Lab File: BF121137.D
Acq: 30 Jul 2020 19:47

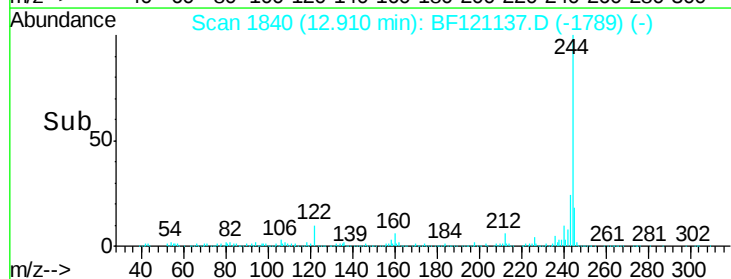
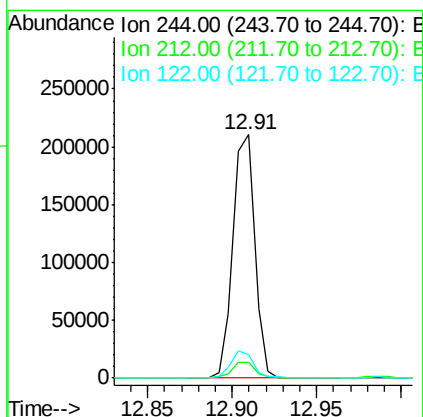
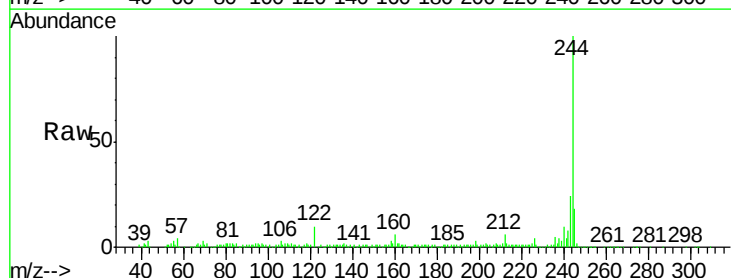
Instrument :
BNA_F
ClientSampleId :
6

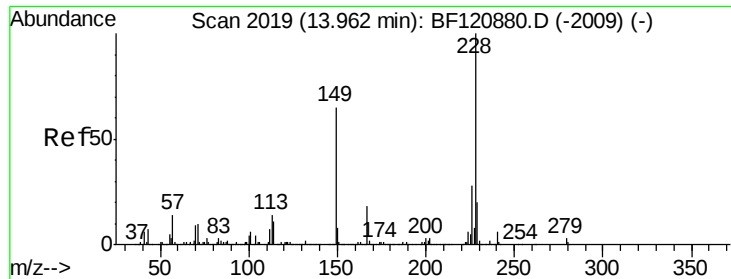
Tot Ion:202 Resp: 750080
Ion Ratio Lower Upper
202 100
200 20.4 17.0 25.6
203 18.0 14.6 21.8



#79
Terphenyl-d14
Concen: 12.548 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.00 min
Lab File: BF121137.D
Acq: 30 Jul 2020 19:47

Tgt Ion:244 Resp: 190078
Ion Ratio Lower Upper
244 100
212 6.5 5.7 8.5
122 9.8 8.3 12.5

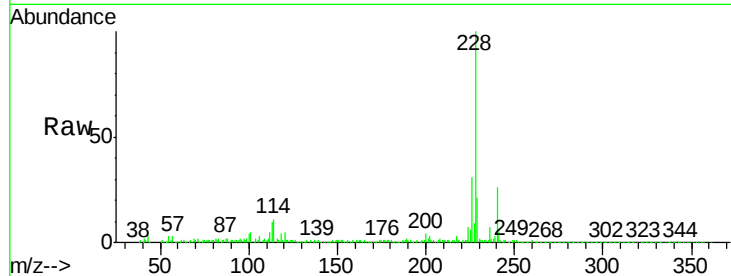




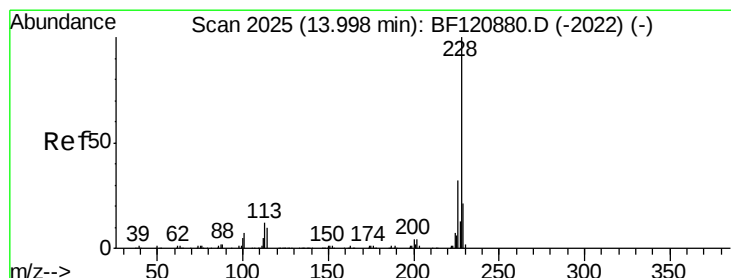
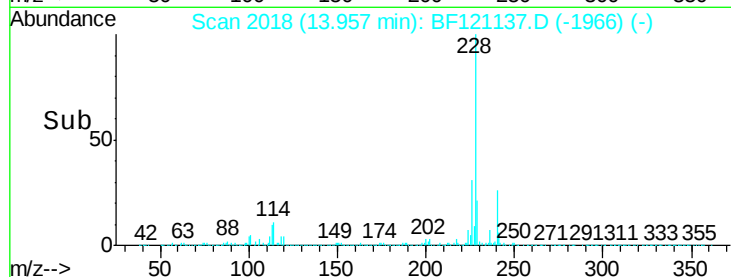
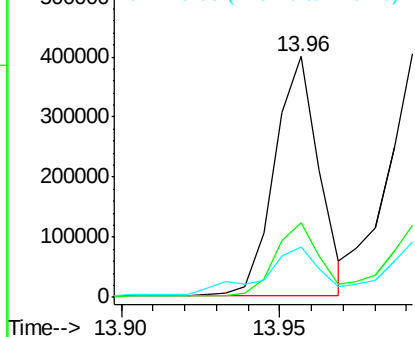
#81
Benzo(a)anthracene
Concen: 19.342 ng
RT: 13.96 min Scan# 2018
Delta R.T. 0.01 min
Lab File: BF121137.D
Acq: 30 Jul 2020 19:47

Instrument :
BNA_F
ClientSampled :
6

Tot Ion:228 Resp: 385674
Ion Ratio Lower Upper
228 100
226 31.1 22.6 34.0
229 21.0 16.1 24.1

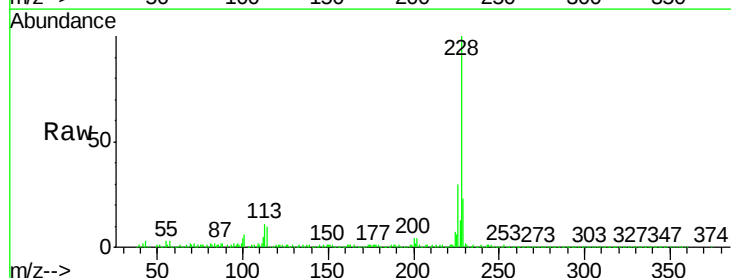


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

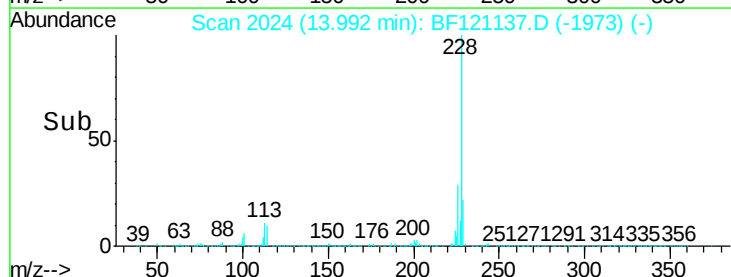
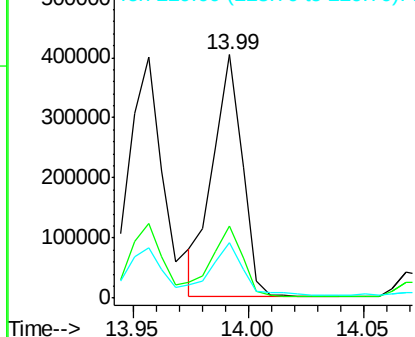


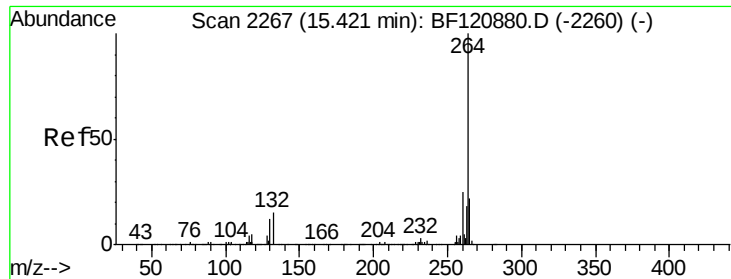
#83
Chrysene
Concen: 17.175 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.00 min
Lab File: BF121137.D
Acq: 30 Jul 2020 19:47

Tgt Ion:228 Resp: 359909
Ion Ratio Lower Upper
228 100
226 29.8 25.4 38.0
229 22.9 16.2 24.4



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

Pervlene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2267

Delta R.T. 0.02 min

Lab File: BF121137.D

Acq: 30 Jul 2020 19:47

Instrument :

BNA_F

ClientSampleId :

6

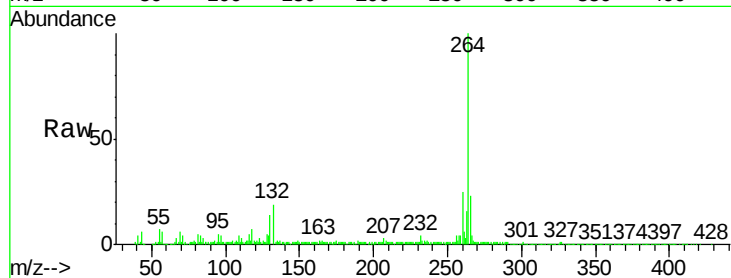
Tot Ion:264 Resp: 364396

Ion Ratio Lower Upper

264 100

260 25.3 19.9 29.9

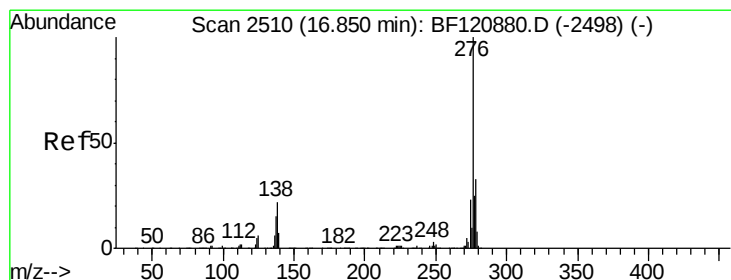
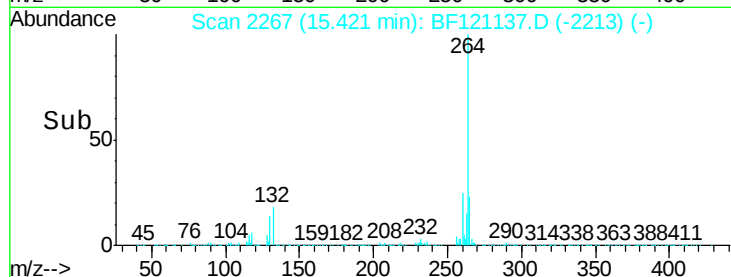
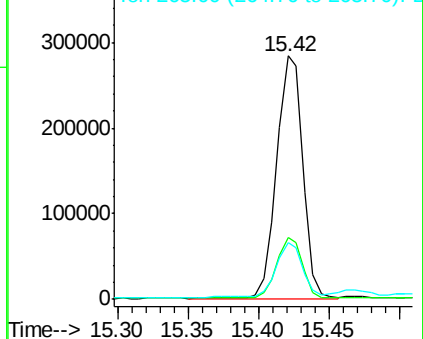
265 23.4 17.8 26.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.950 ng

RT: 16.86 min Scan# 2511

Delta R.T. 0.02 min

Lab File: BF121137.D

Acq: 30 Jul 2020 19:47

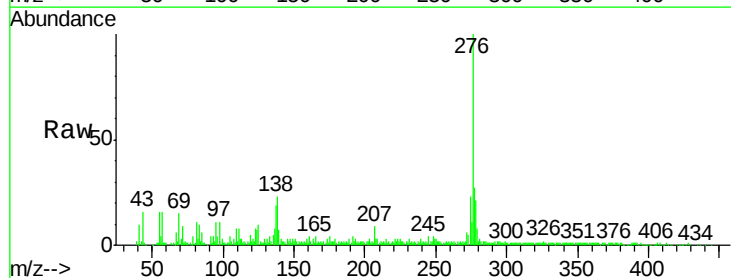
Tgt Ion:276 Resp: 176140

Ion Ratio Lower Upper

276 100

138 21.2 19.3 28.9

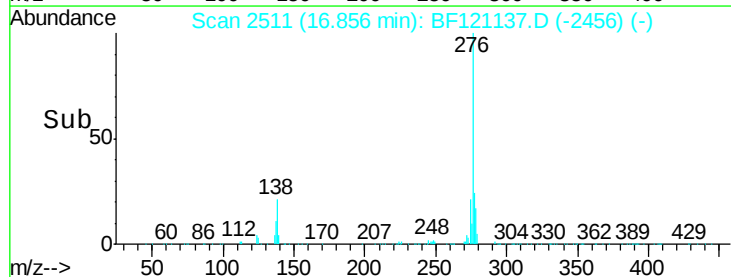
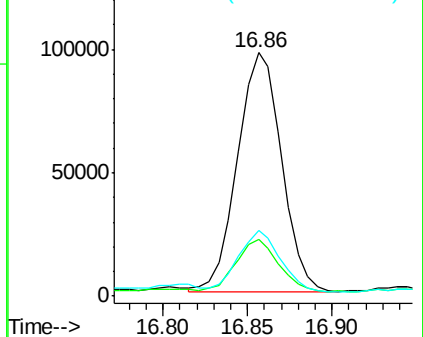
277 24.7 20.1 30.1

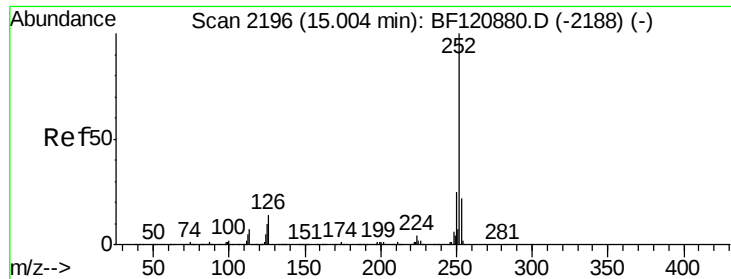


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#88

Benzo(b)fluoranthene

Concen: 28.433 ng

RT: 15.00 min Scan# 2196

Delta R.T. 0.01 min

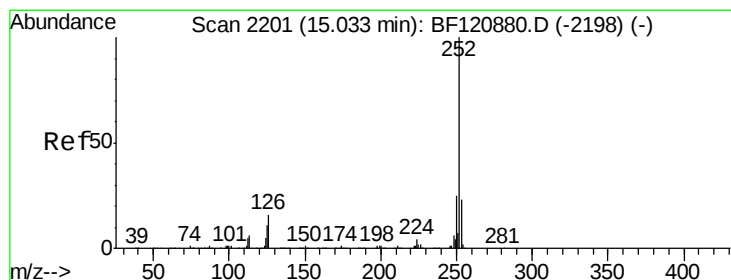
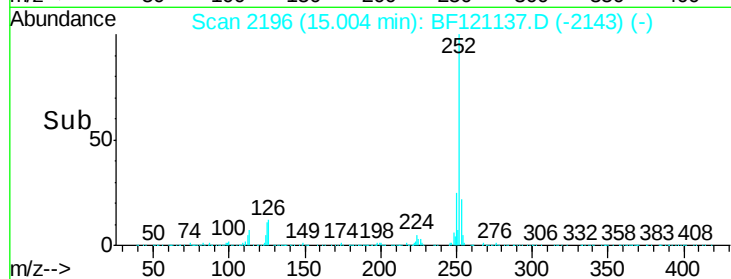
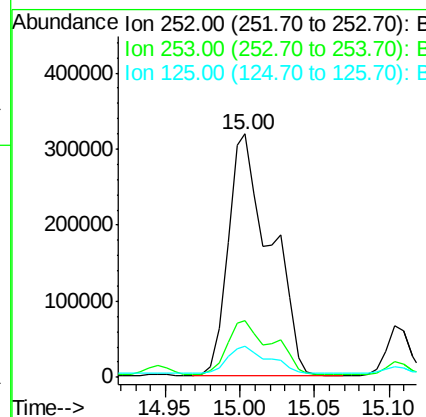
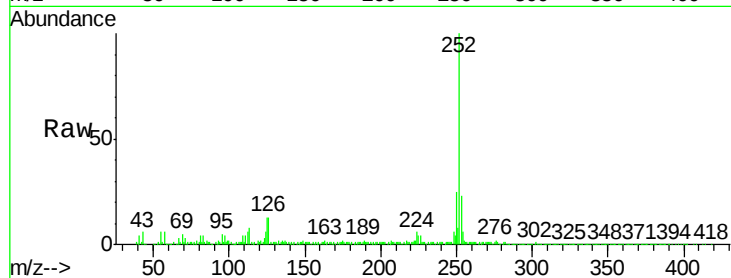
Lab File: BF121137.D

Acq: 30 Jul 2020 19:47

Instrument :
BNA_F
ClientSampleId :
6

Tot Ion:252 Resp: 626271

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	12.5	8.1	12.1#



#89

Benzo(k)fluoranthene

Concen: 31.176 ng

RT: 15.00 min Scan# 2196

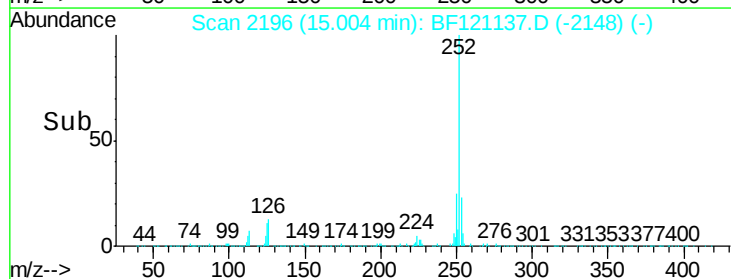
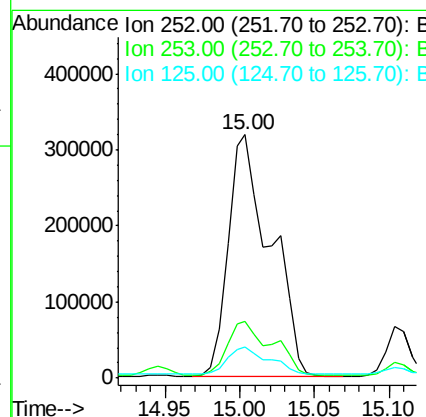
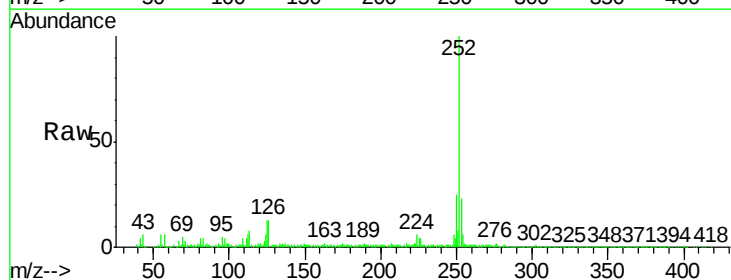
Delta R.T. -0.02 min

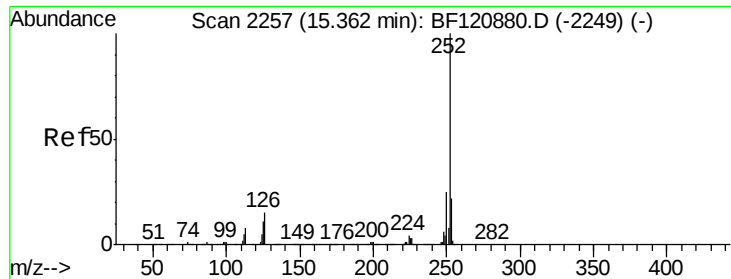
Lab File: BF121137.D

Acq: 30 Jul 2020 19:47

Tgt Ion:252 Resp: 626271

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.1	27.1
125	12.5	8.0	12.0#





#90

Benzo(a)pyrene

Concen: 16.784 ng

RT: 15.36 min Scan# 2257

Delta R.T. 0.02 min

Lab File: BF121137.D

Acq: 30 Jul 2020 19:47

Instrument :

BNA_F

ClientSampleId :

6

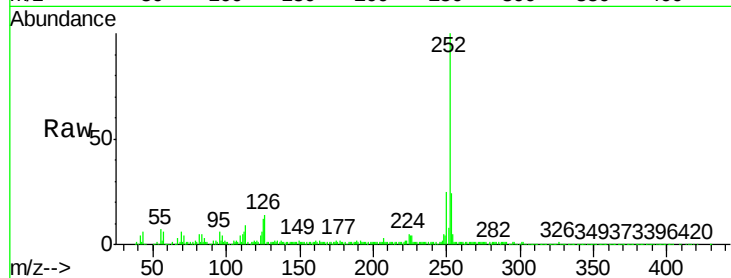
Tot Ion:252 Resp: 337291

Ion Ratio Lower Upper

252 100

253 23.5 18.0 27.0

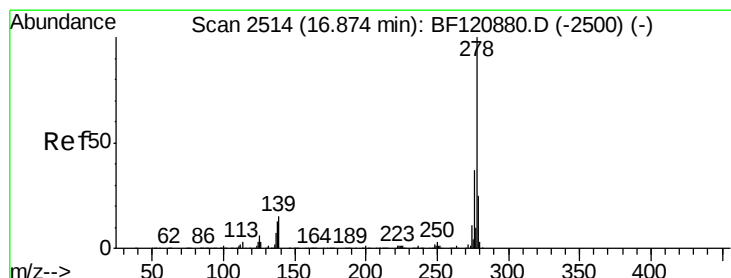
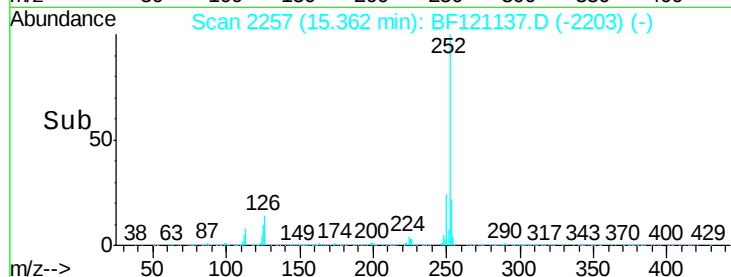
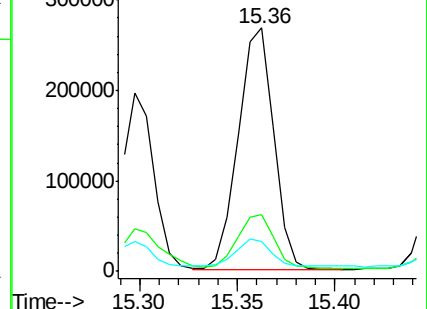
125 12.3 9.5 14.3



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: 2.198 ng

RT: 16.86 min Scan# 2512

Delta R.T. 0.01 min

Lab File: BF121137.D

Acq: 30 Jul 2020 19:47

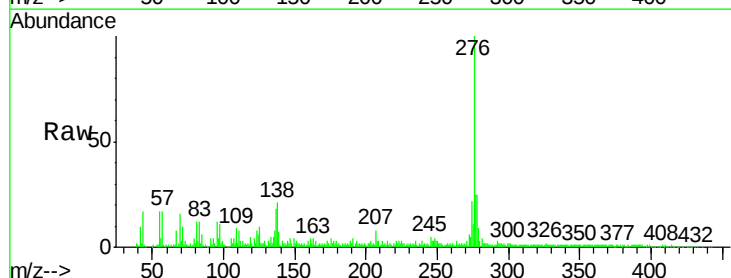
Tgt Ion:278 Resp: 45504

Ion Ratio Lower Upper

278 100

139 26.2 12.6 18.8#

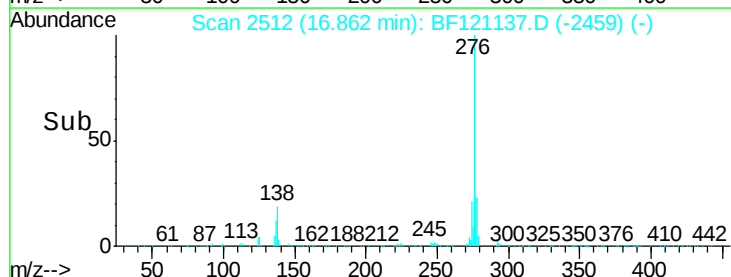
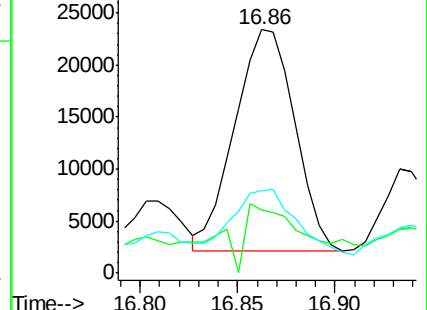
279 34.1 19.5 29.3#

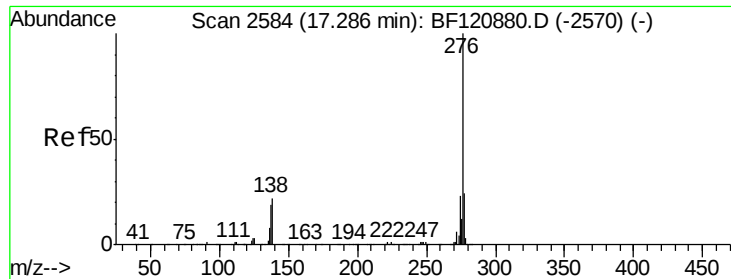


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 7.864 ng

RT: 17.29 min Scan# 2585

Delta R.T. 0.03 min

Lab File: BF121137.D

Acq: 30 Jul 2020 19:47

Instrument :

BNA_F

ClientSampleId :

6

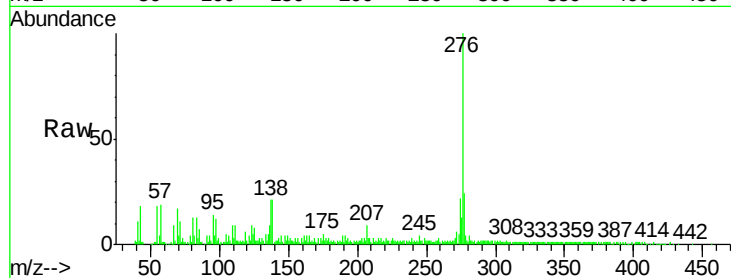
Tot Ion:276 Resp: 160509

Ion Ratio Lower Upper

276 100

277 24.1 19.4 29.0

138 21.3 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

