

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
 Data File : BF121124.D
 Acq On : 30 Jul 2020 2:34
 Operator : JU/CG
 Sample : L3436-03 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 3

Quant Time: Jul 30 03:12:05 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	6.81	152	180356	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	672828	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	327229	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	558422	20.00	ng	0.01
76) Chrysene-d12	13.97	240	445451	20.00	ng	0.01
86) Perylene-d12	15.43	264	366063	20.00	ng	0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	185966	16.90	ng	0.00
7) Phenol-d6	6.45	99	220074	15.49	ng	0.00
23) Nitrobenzene-d5	7.37	82	117794	10.13	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	49226	13.74	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	265266	12.10	ng	0.00
79) Terphenyl-d14	12.92	244	243223	11.87	ng	0.00

Target Compounds

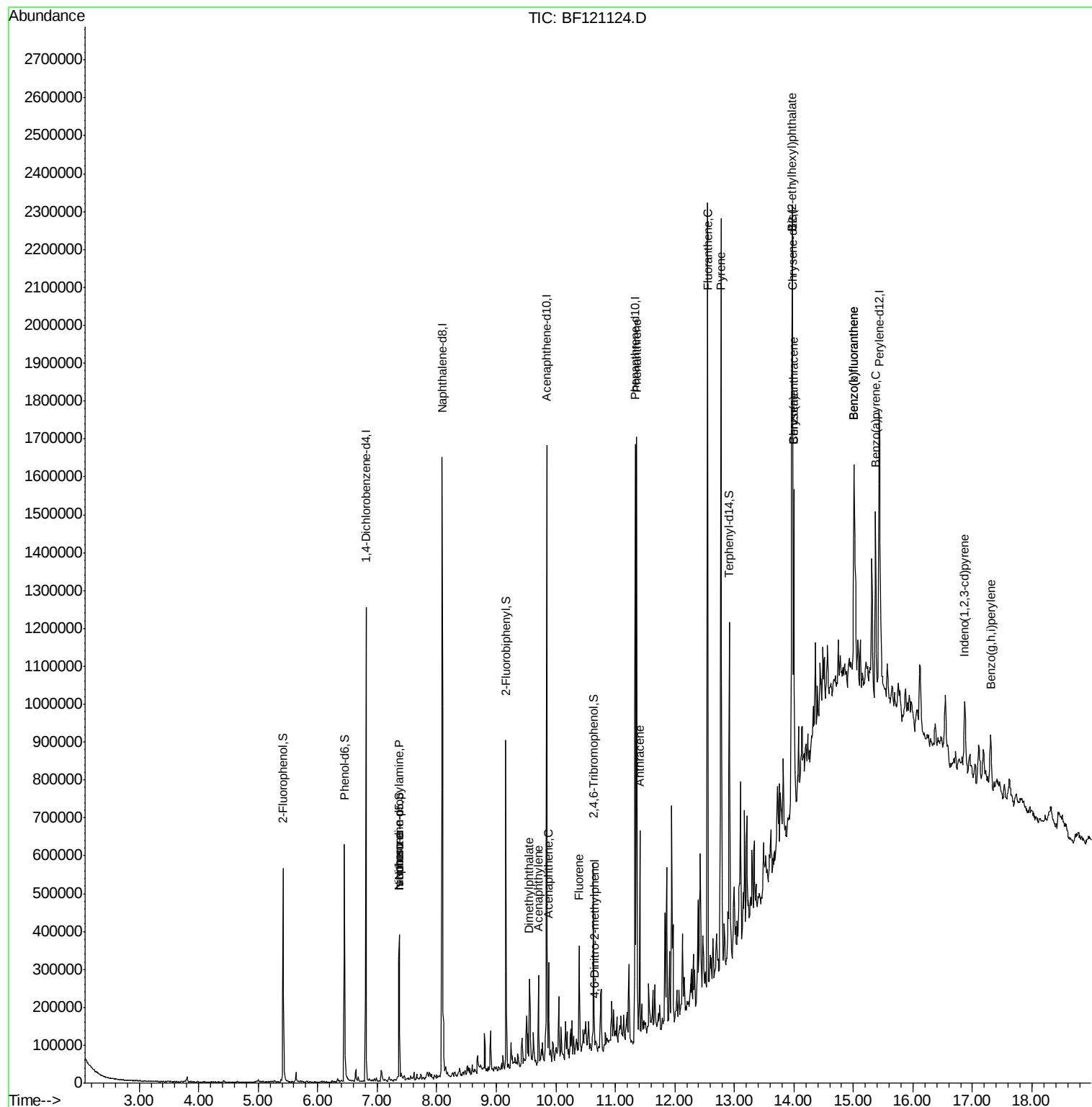
						Qvalue
9) Benzaldehyde	6.36	77	480	Below Cal	#	17
19) n-Nitroso-di-n-propylamine	7.37	70	16486	2.040 ng	#	78
25) Isophorone	7.37	82	114094	4.916 ng	#	62
49) Acenaphthylene	9.71	152	83496	2.641 ng		98
50) Dimethylphthalate	9.56	163	68603	2.906 ng	#	98
52) Acenaphthene	9.88	154	44121	2.195 ng		98
58) Fluorene	10.39	166	73537	3.392 ng		96
65) 4,6-Dinitro-2-methylphenol	10.66	198	579	4.007 ng	#	1
71) Phenanthrene	11.36	178	537903	18.729 ng		99
72) Anthracene	11.41	178	201161	6.975 ng		99
75) Fluoranthene	12.55	202	857335	26.932 ng		99
78) Pvrene	12.78	202	866142	27.502 ng		99
81) Benzo(a)anthracene	14.00	228	362043	13.422 ng		96
83) Chrysene	14.00	228	362043	12.772 ng		96
84) Bis(2-ethylhexyl)phthalate	13.96	149	35810	2.068 ng	#	69
87) Indeno(1,2,3-cd)pyrene	16.87	276	128424	5.044 ng		98
88) Benzo(b)fluoranthene	15.01	252	447421	20.220 ng	#	95
89) Benzo(k)fluoranthene	15.01	252	447421	22.172 ng	#	95
90) Benzo(a)pvrene	15.37	252	247331	12.251 ng	#	96
92) Benzo(a,h,i)perylene	17.31	276	123136	6.005 ng		98

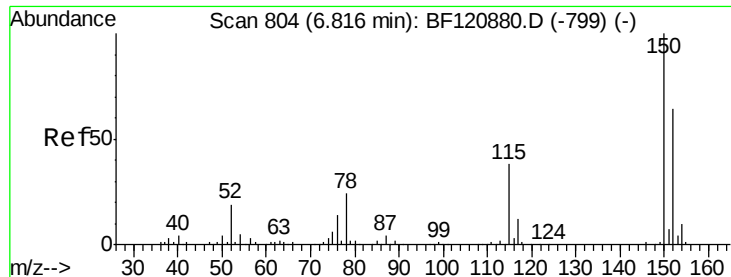
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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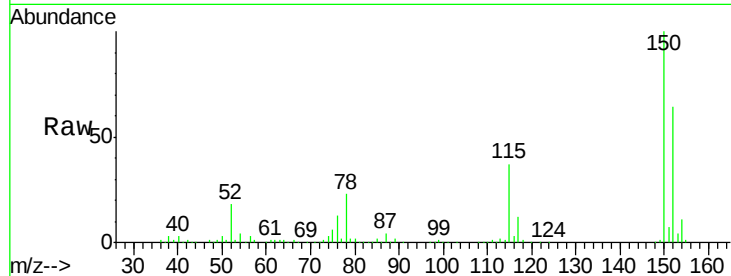


#1

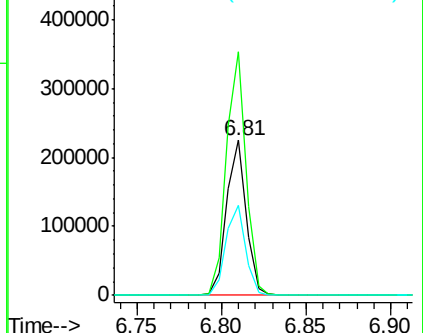
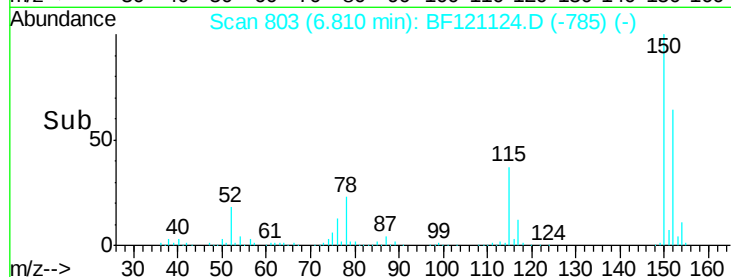
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BF121124.D
Acq: 30 Jul 2020 2:34

Instrument :
BNA_F
ClientSampled :
3

Tot Ion:152 Resp: 180356
Ion Ratio Lower Upper
152 100
150 157.3 125.6 188.4
115 57.9 46.2 69.2



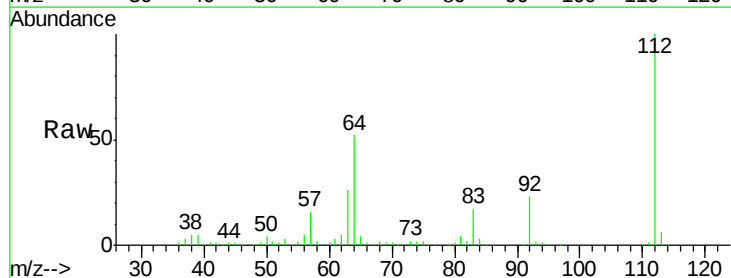
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



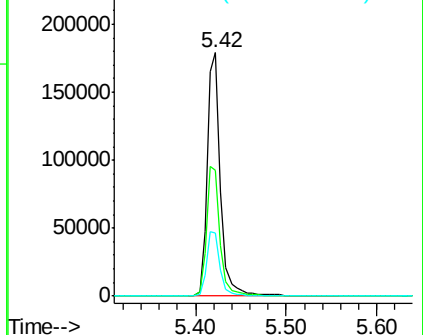
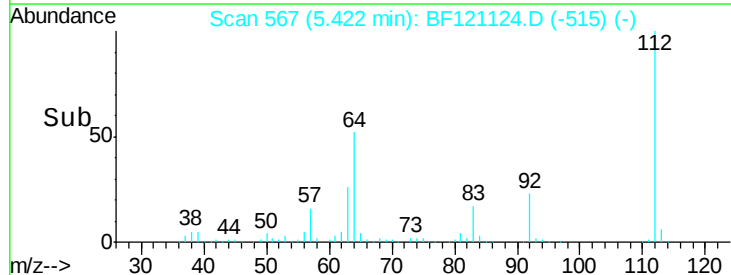
#5

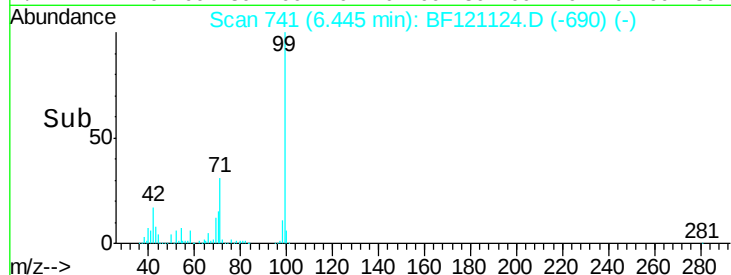
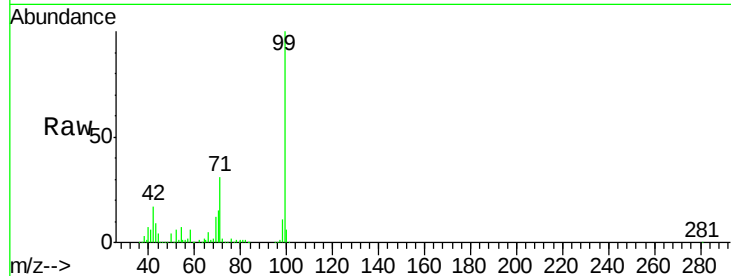
2-Fluorophenol
Concen: 16.903 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF121124.D
Acq: 30 Jul 2020 2:34

Tgt Ion:112 Resp: 185966
Ion Ratio Lower Upper
112 100
64 51.5 43.9 65.9
63 26.1 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: 15.486 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF121124.D

Acq: 30 Jul 2020 2:34

Instrument :

BNA_F

ClientSampleId :

3

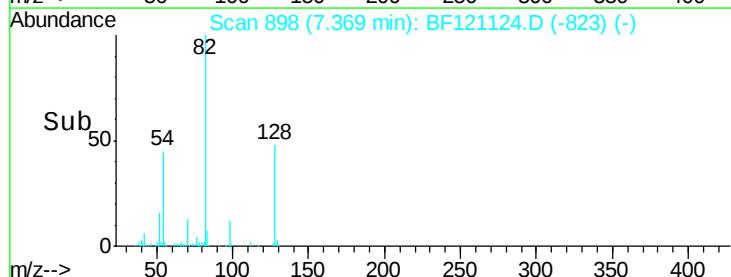
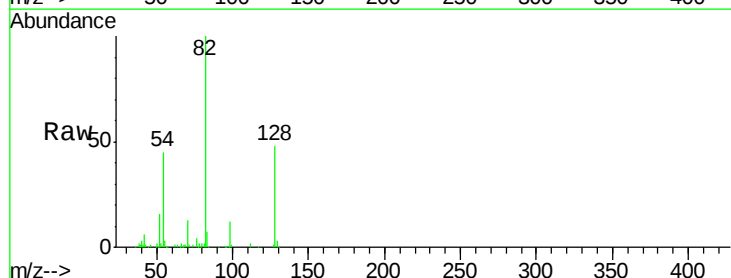
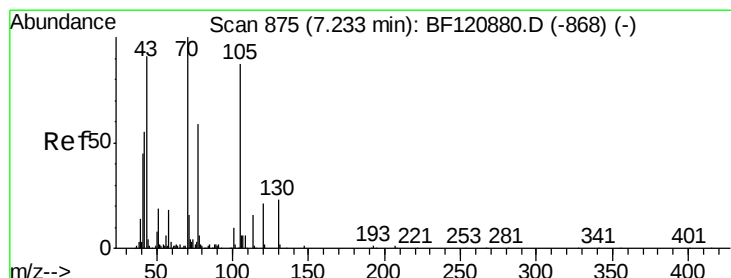
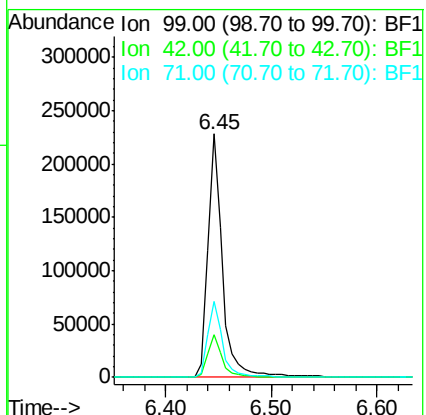
Tot Ion: 99 Resp: 220074

Ion Ratio Lower Upper

99 100

42 17.5 13.5 20.3

71 31.4 25.0 37.4



#19

n-Nitroso-di-n-propylamine

Concen: 2.040 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.14 min

Lab File: BF121124.D

Acq: 30 Jul 2020 2:34

Tgt Ion: 70 Resp: 16486

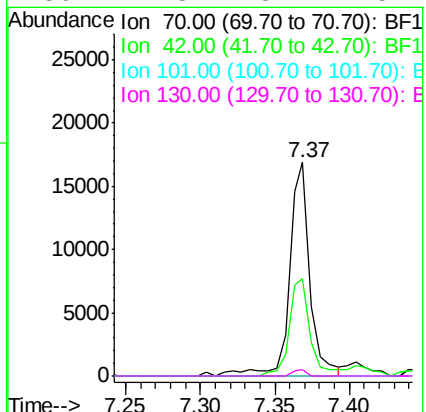
Ion Ratio Lower Upper

70 100

42 45.6 43.3 64.9

101 0.0 8.4 12.6#

130 2.8 18.7 28.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. 0.01 min

Lab File: BF121124.D

Acq: 30 Jul 2020 2:34

Instrument :

BNA_F

ClientSampleId :

3

Tot Ion:136 Resp: 672828

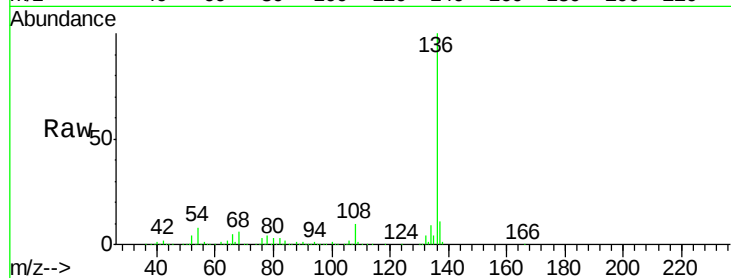
Ion Ratio Lower Upper

136 100

137 11.4 9.0 13.4

54 7.5 6.1 9.1

68 6.2 5.0 7.6

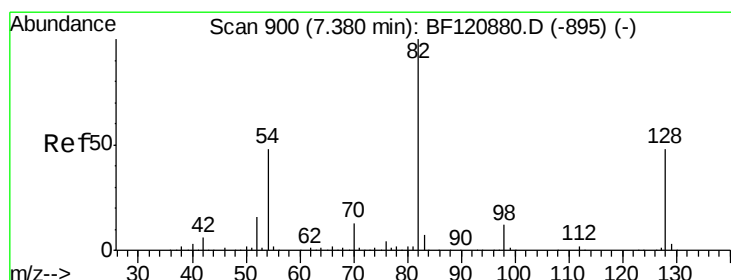
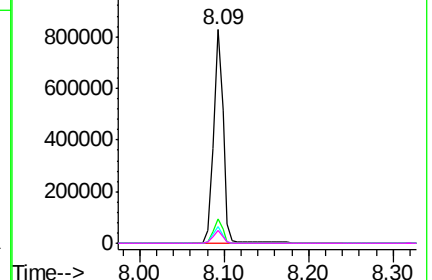
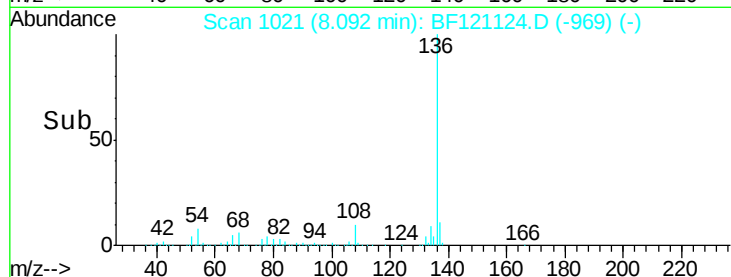


Abundance Ion 136.00 (135.70 to 136.70): E

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: 10.130 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF121124.D

Acq: 30 Jul 2020 2:34

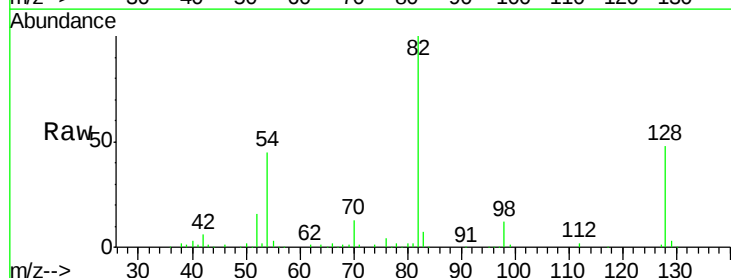
Tgt Ion: 82 Resp: 117794

Ion Ratio Lower Upper

82 100

128 47.5 39.2 58.8

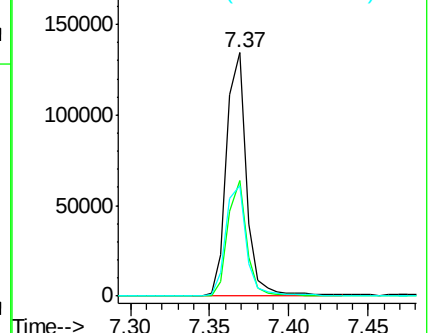
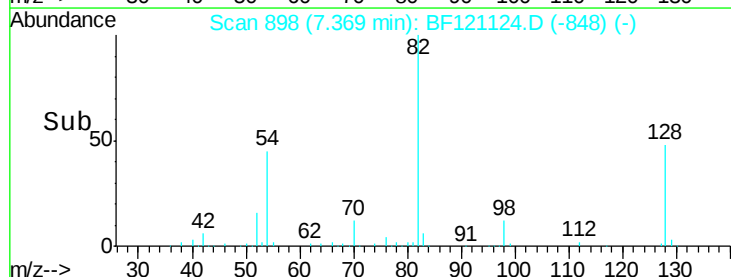
54 45.1 37.8 56.8

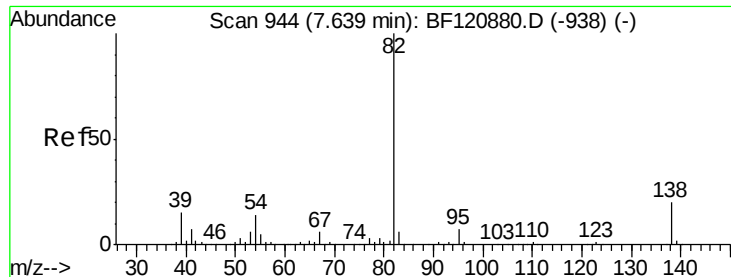


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

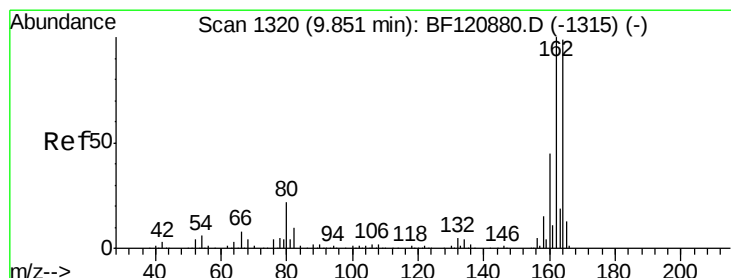
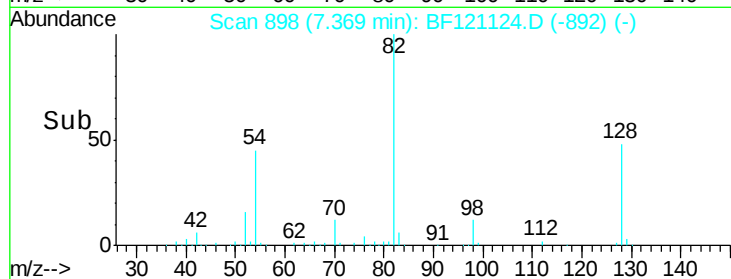
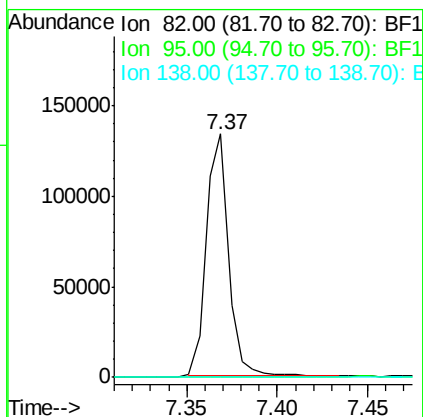
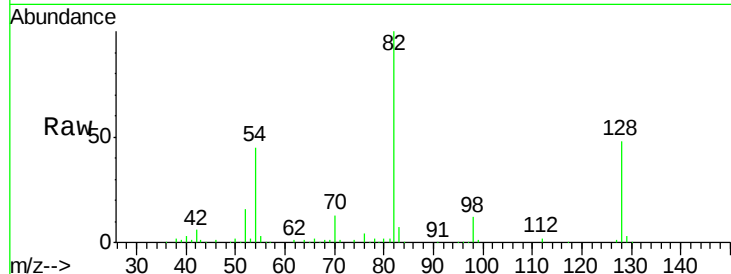




#25
Isophorone
Concen: 4.916 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.26 min
Lab File: BF121124.D
Acq: 30 Jul 2020 2:34

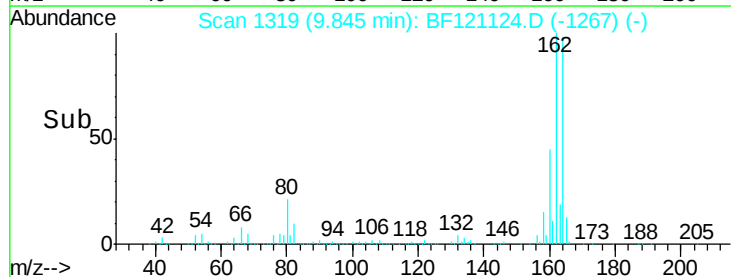
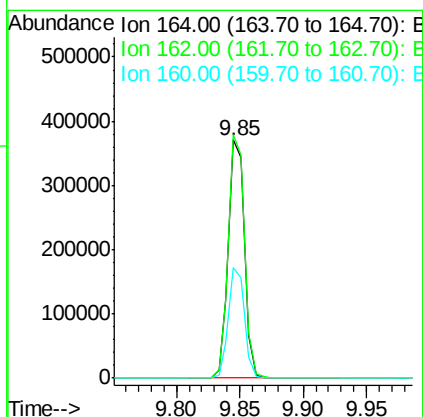
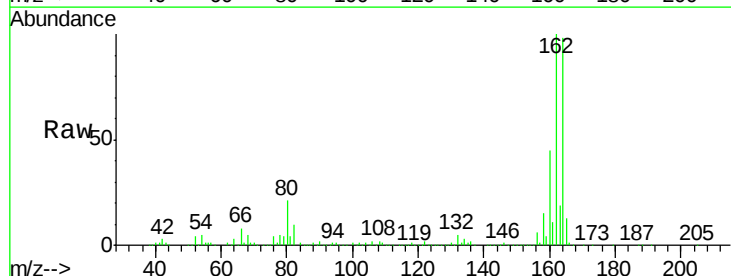
Instrument :
BNA_F
ClientSampleId :
3

Tot Ion: 82 Resp: 114094
Ion Ratio Lower Upper
82 100
95 0.3 5.5 8.3#
138 0.0 16.2 24.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.01 min
Lab File: BF121124.D
Acq: 30 Jul 2020 2:34

Tgt Ion:164 Resp: 327229
Ion Ratio Lower Upper
164 100
162 102.2 82.2 123.2
160 46.3 37.2 55.8

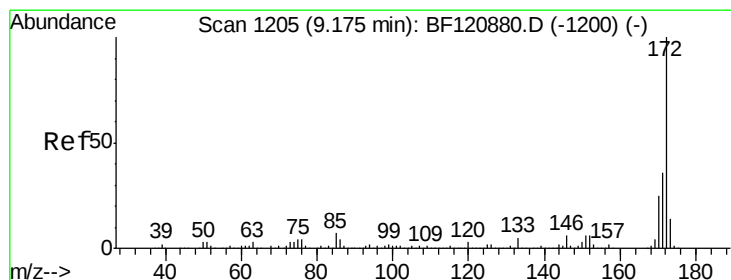
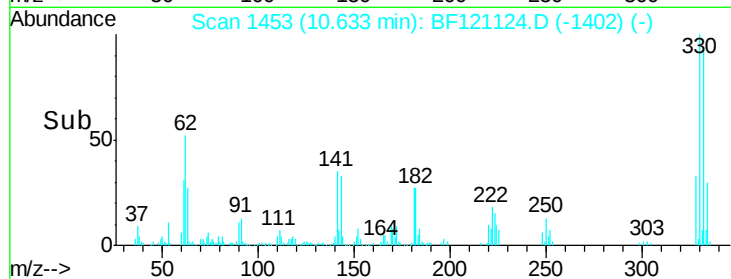
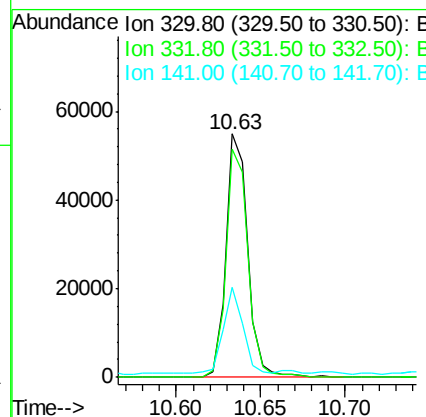
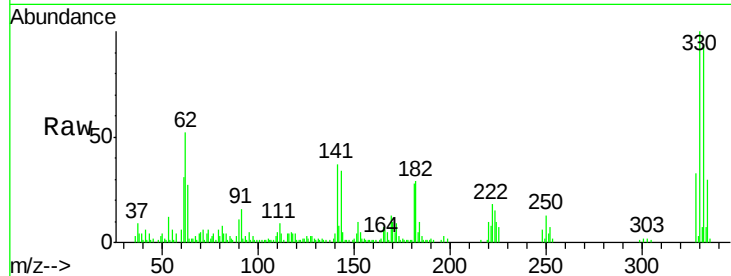




#42
 2,4,6-Tribromophenol
 Concen: 13.743 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.00 min
 Lab File: BF121124.D
 Acq: 30 Jul 2020 2:34

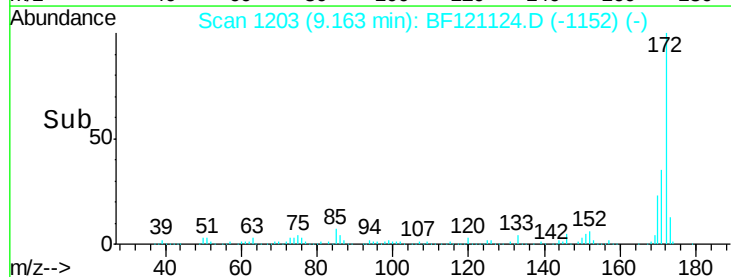
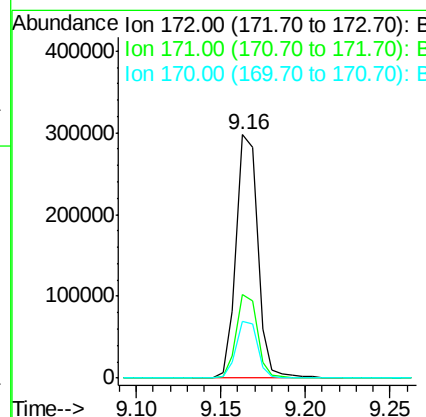
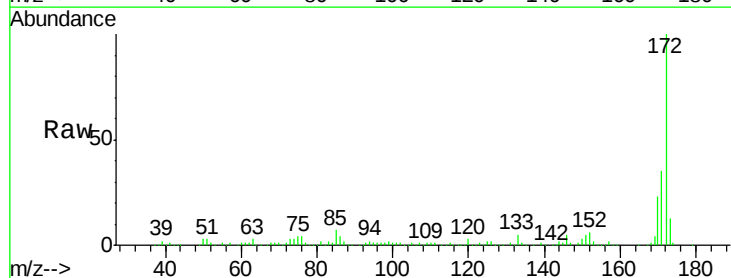
Instrument :
 BNA_F
 ClientSampleId :
 3

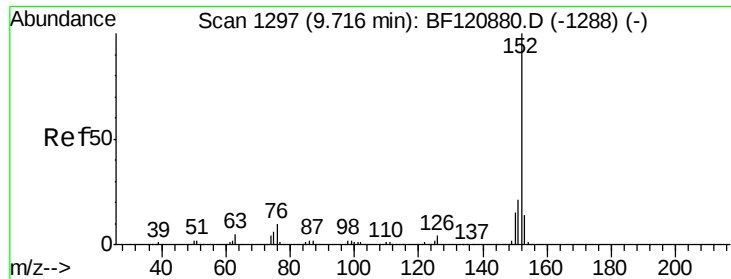
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.8	76.1	114.1
141	32.4	24.1	36.1



#45
 2-Fluorobiphenyl
 Concen: 12.103 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.00 min
 Lab File: BF121124.D
 Acq: 30 Jul 2020 2:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	29.0	43.4
170	23.4	19.6	29.4





#49

Acenaphthylene

Concen: 2.641 ng

RT: 9.71 min Scan# 1296

Delta R.T. 0.01 min

Lab File: BF121124.D

Acq: 30 Jul 2020 2:34

Instrument :

BNA_F

ClientSampleId :

3

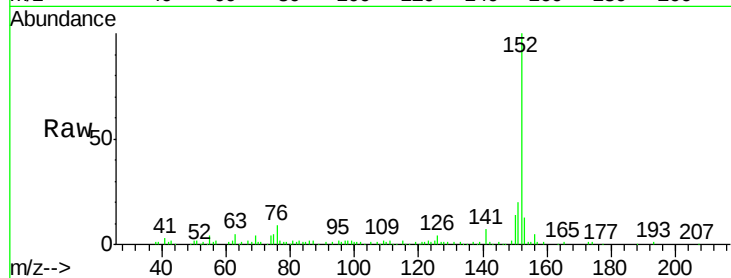
Tot Ion:152 Resp: 83496

Ion Ratio Lower Upper

152 100

151 19.6 16.6 25.0

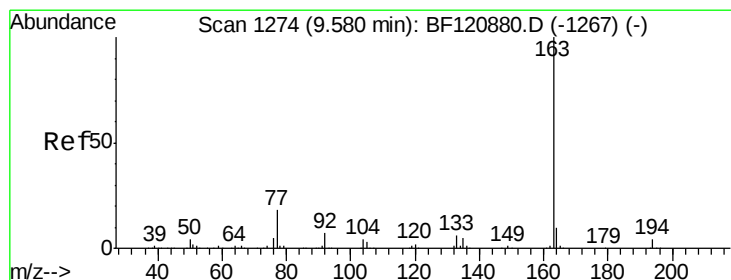
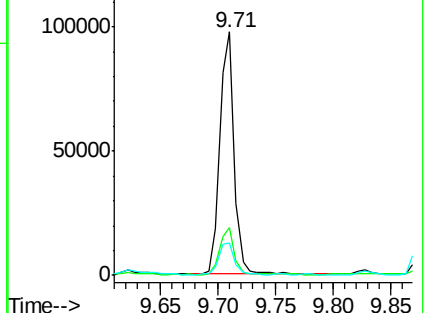
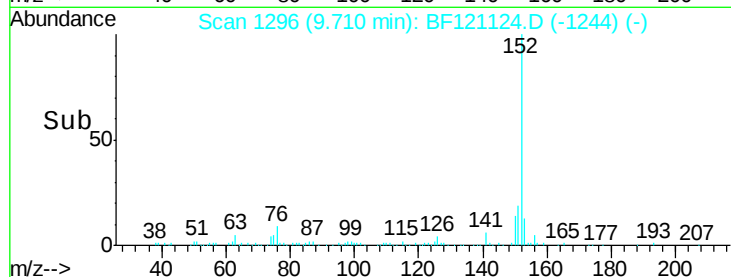
153 13.2 11.0 16.4



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: 2.906 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.01 min

Lab File: BF121124.D

Acq: 30 Jul 2020 2:34

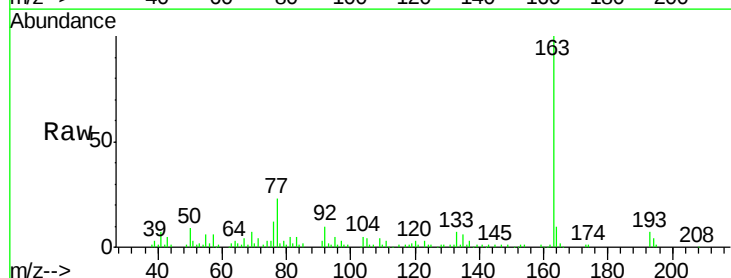
Tgt Ion:163 Resp: 68603

Ion Ratio Lower Upper

163 100

194 4.5 3.0 4.4#

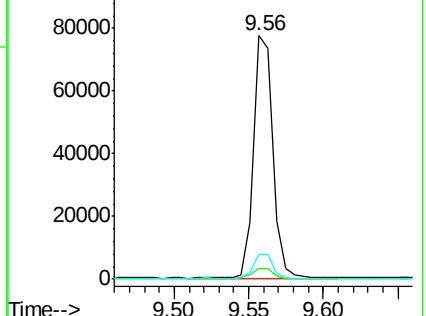
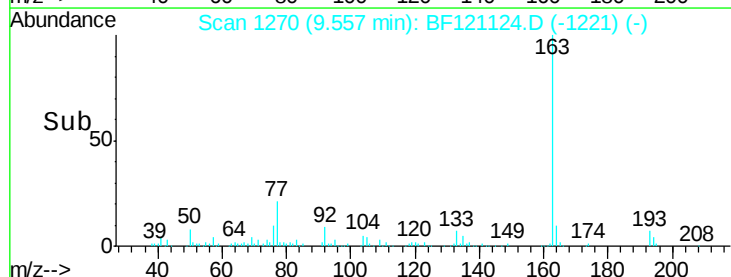
164 10.0 8.4 12.6

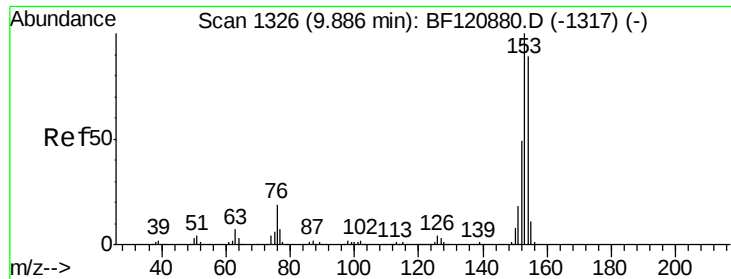


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#52

Acenaphthene

Concen: 2.195 ng

RT: 9.88 min Scan# 1325

Delta R.T. 0.01 min

Lab File: BF121124.D

Acq: 30 Jul 2020 2:34

Instrument :

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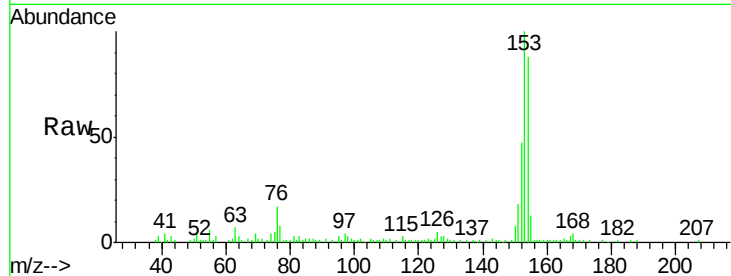
Tot Ion:154 Resp: 44121

Ion Ratio Lower Upper

154 100

153 114.1 89.6 134.4

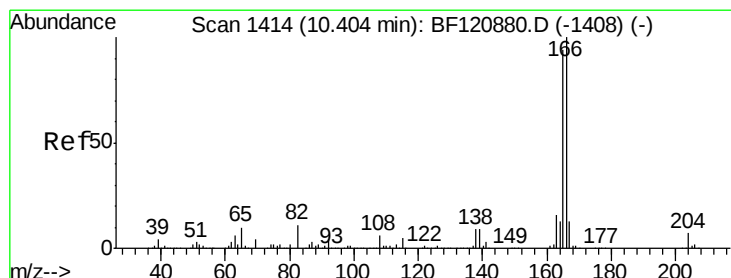
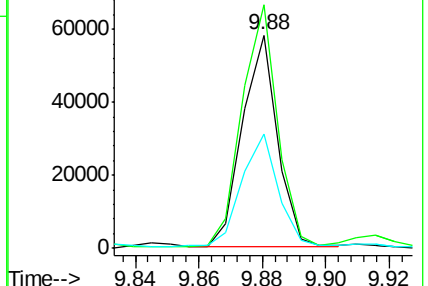
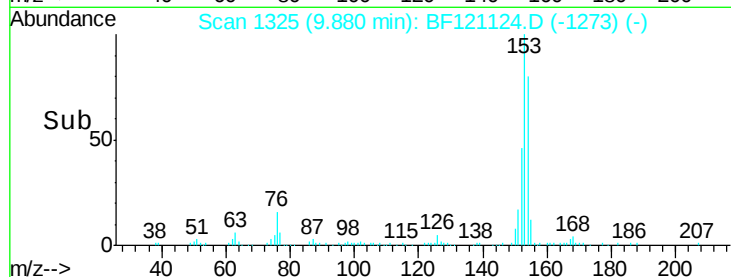
152 53.7 43.8 65.6



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: 3.392 ng

RT: 10.39 min Scan# 1412

Delta R.T. -0.00 min

Lab File: BF121124.D

Acq: 30 Jul 2020 2:34

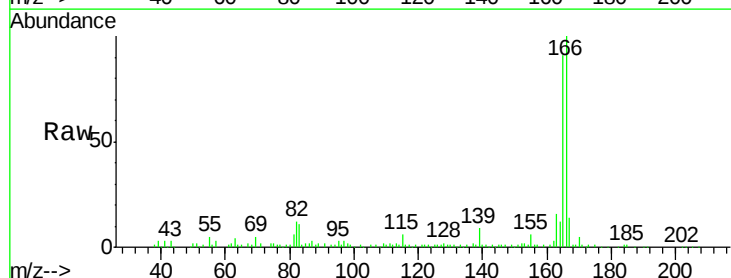
Tgt Ion:166 Resp: 73537

Ion Ratio Lower Upper

166 100

165 91.0 76.4 114.6

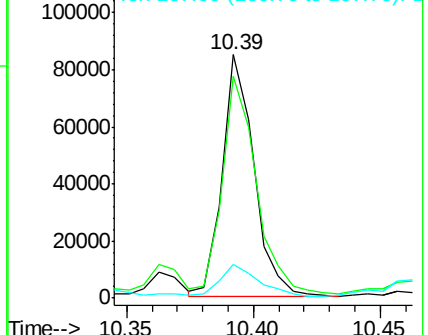
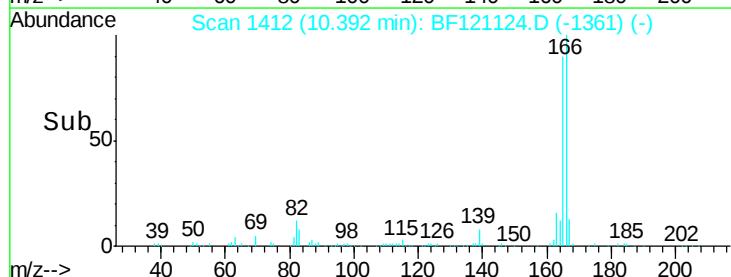
167 13.8 10.7 16.1

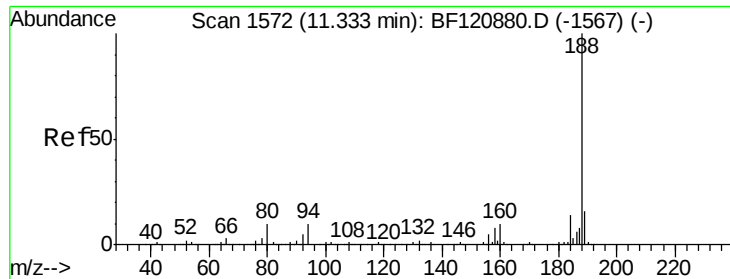


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

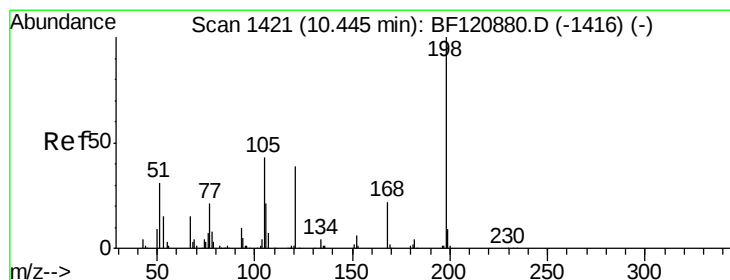
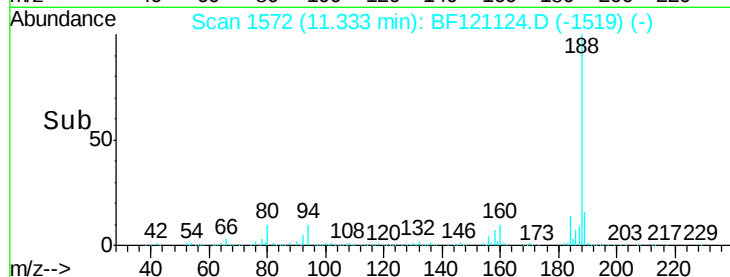
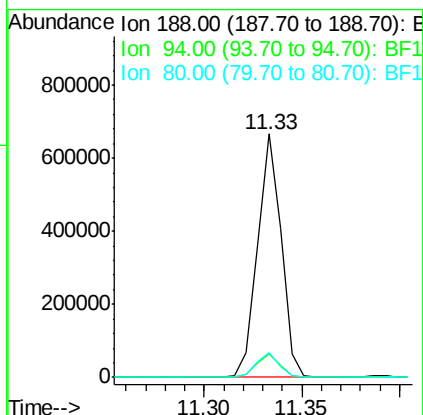
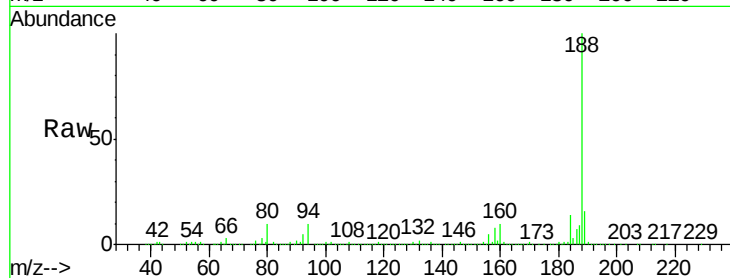




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.01 min
Lab File: BF121124.D
Acq: 30 Jul 2020 2:34

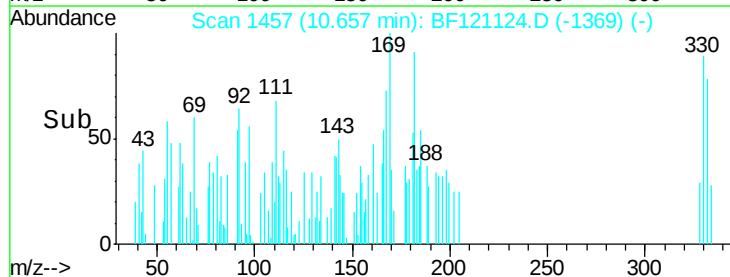
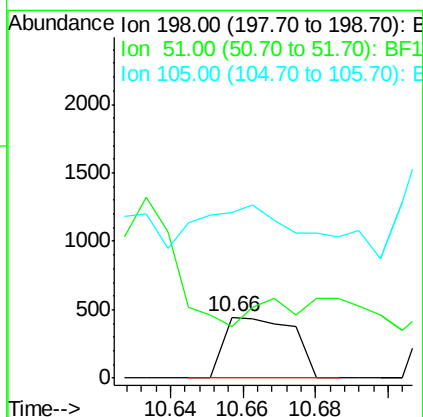
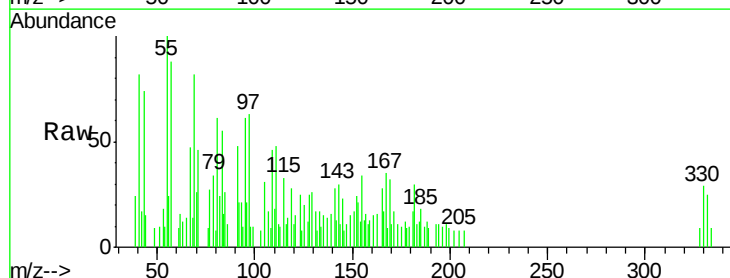
Instrument :
BNA_F
ClientSampled :
3

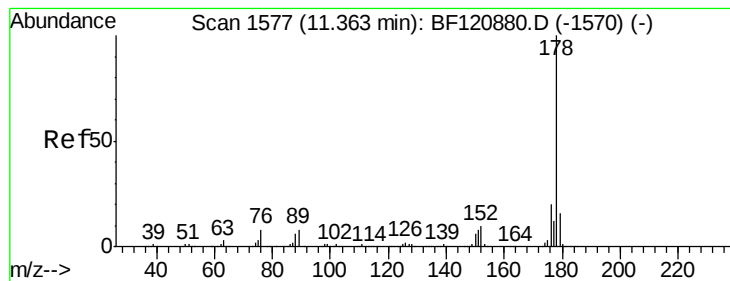
Tot Ion:188 Resp: 558422
Ion Ratio Lower Upper
188 100
94 9.8 8.0 12.0
80 10.1 8.3 12.5



#65
4,6-Dinitro-2-methylphenol
Concen: 4.007 ng
RT: 10.66 min Scan# 1457
Delta R.T. 0.22 min
Lab File: BF121124.D
Acq: 30 Jul 2020 2:34

Tgt Ion:198 Resp: 579
Ion Ratio Lower Upper
198 100
51 86.0 23.4 63.4#
105 273.1 23.7 63.7#





#71

Phenanthrene

Concen: 18.729 ng

RT: 11.36 min Scan# 1576

Delta R.T. 0.01 min

Lab File: BF121124.D

Acq: 30 Jul 2020 2:34

Instrument :

BNA_F

ClientSampleId :

3

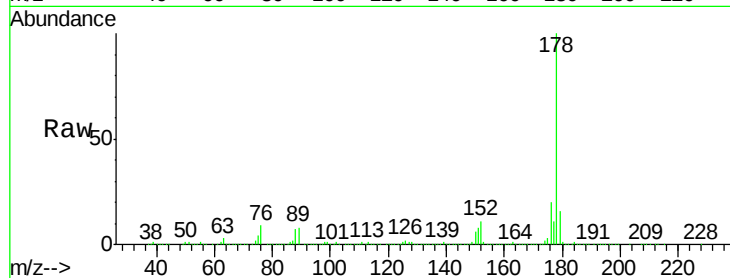
Tot Ion:178 Resp: 537903

Ion Ratio Lower Upper

178 100

176 19.6 16.2 24.2

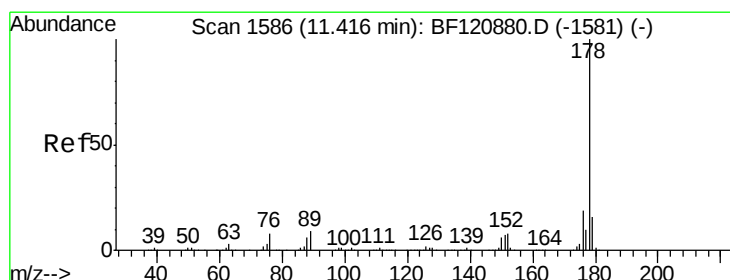
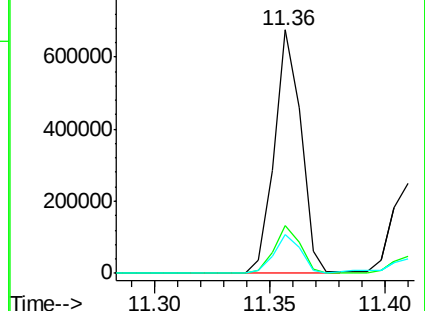
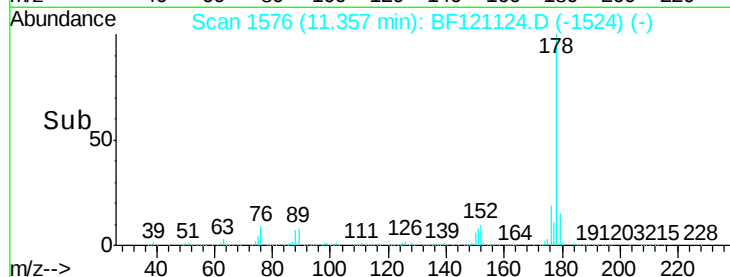
179 15.8 12.6 19.0



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



#72

Anthracene

Concen: 6.975 ng

RT: 11.41 min Scan# 1585

Delta R.T. 0.01 min

Lab File: BF121124.D

Acq: 30 Jul 2020 2:34

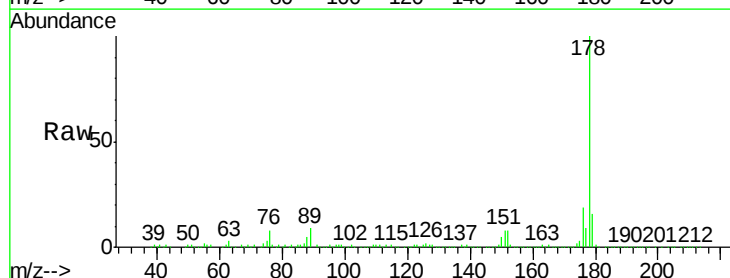
Tgt Ion:178 Resp: 201161

Ion Ratio Lower Upper

178 100

176 18.9 15.8 23.8

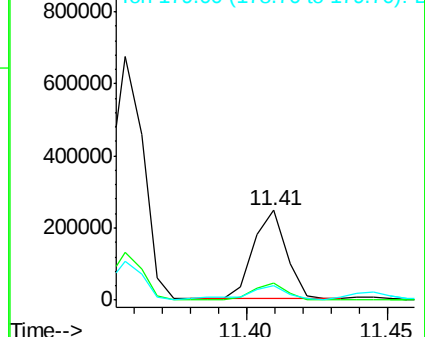
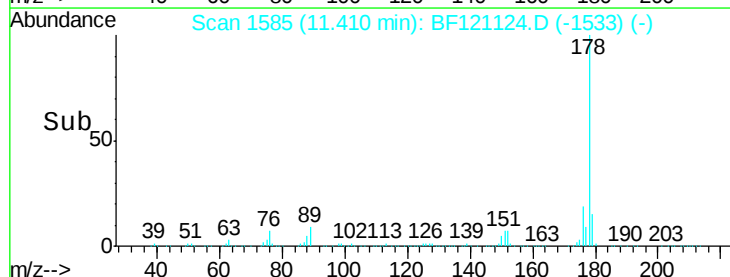
179 15.6 12.6 19.0

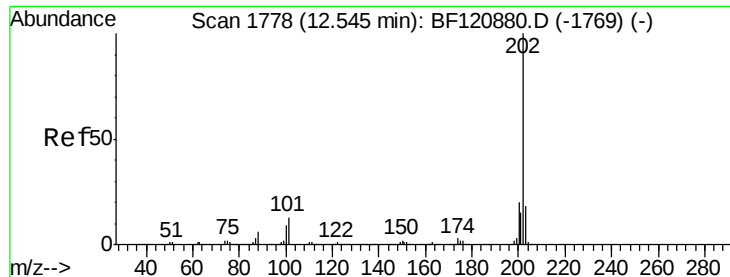


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 26.932 ng

RT: 12.55 min Scan# 1779

Delta R.T. 0.01 min

Lab File: BF121124.D

Acq: 30 Jul 2020 2:34

Instrument :

BNA_F

ClientSampleId :

3

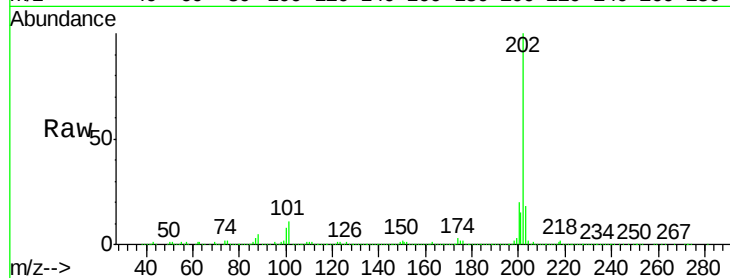
Tot Ion:202 Resp: 857335

Ion Ratio Lower Upper

202 100

101 10.9 0.0 30.5

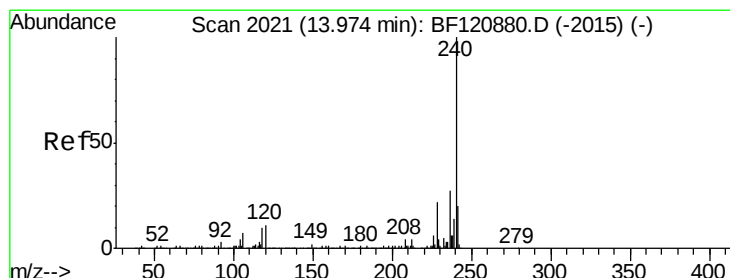
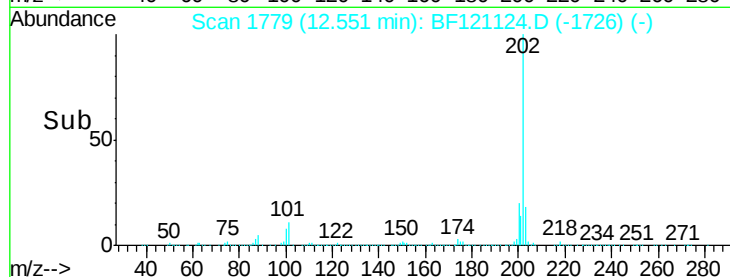
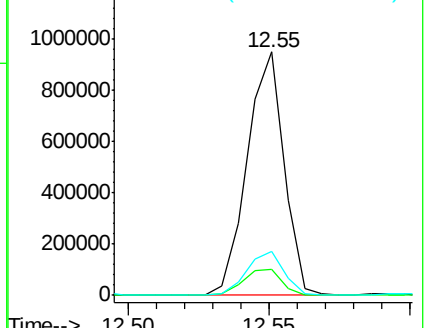
203 18.0 0.0 37.7



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# 2021

Delta R.T. 0.01 min

Lab File: BF121124.D

Acq: 30 Jul 2020 2:34

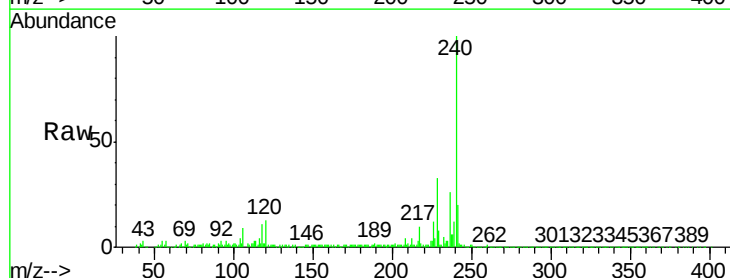
Tgt Ion:240 Resp: 445451

Ion Ratio Lower Upper

240 100

120 13.0 9.3 13.9

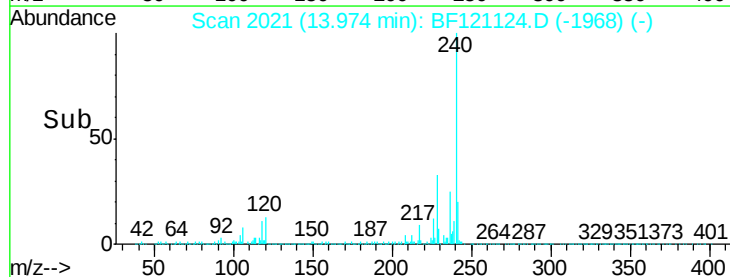
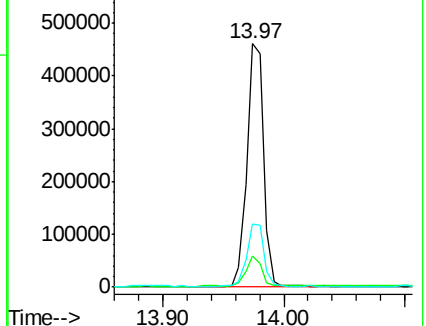
236 26.1 21.1 31.7

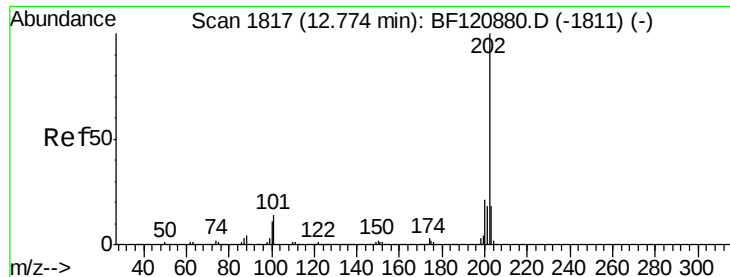


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

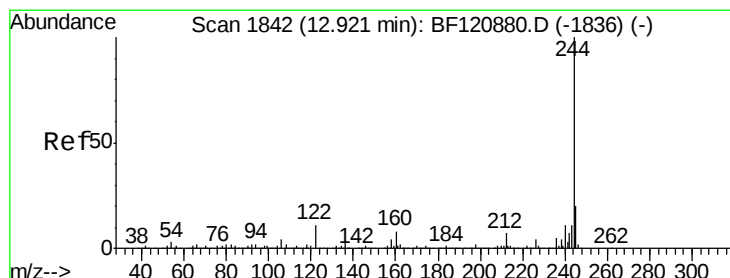
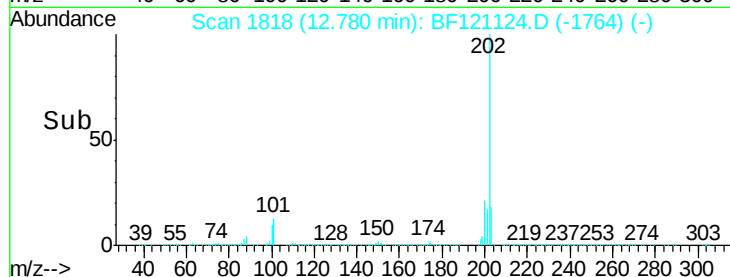
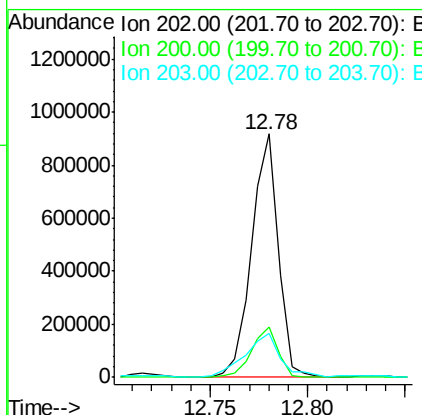
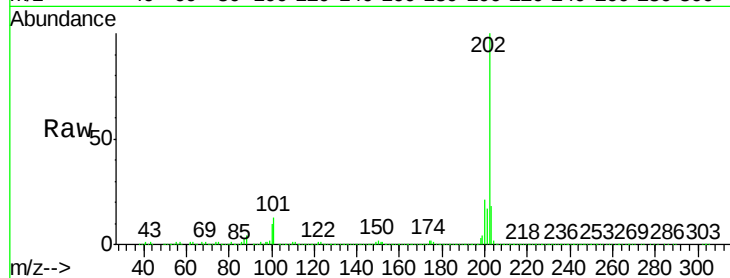




#78
Pvrene
Concen: 27.502 ng
RT: 12.78 min Scan# 1818
Delta R.T. 0.02 min
Lab File: BF121124.D
Acq: 30 Jul 2020 2:34

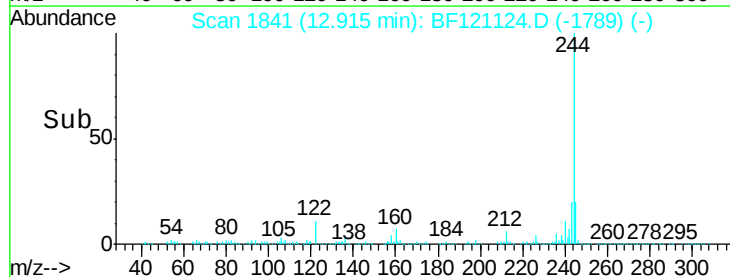
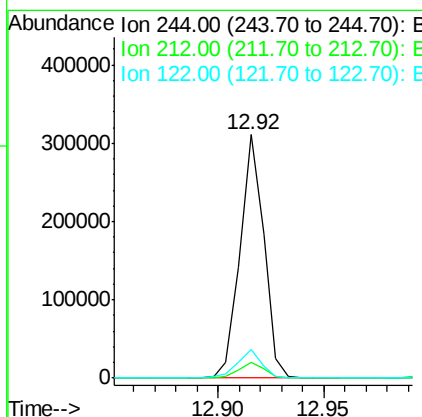
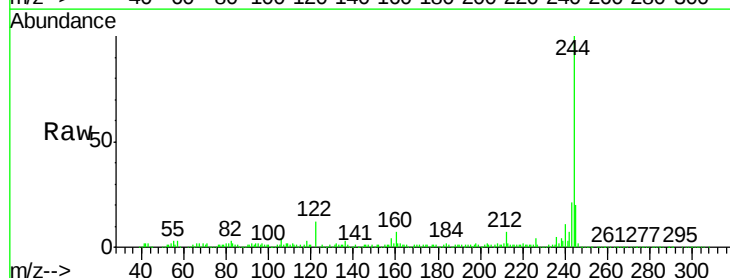
Instrument :
BNA_F
ClientSampleId :
3

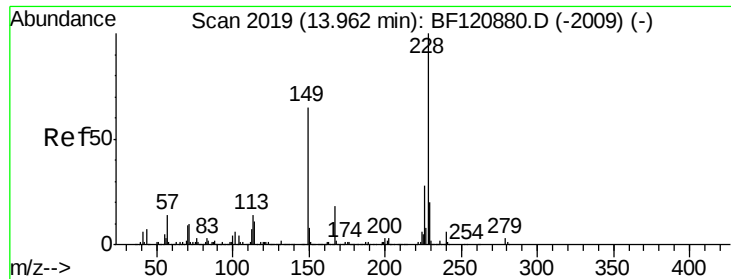
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.0	25.6
203	18.1	14.6	21.8



#79
Terphenyl-d14
Concen: 11.869 ng
RT: 12.92 min Scan# 1841
Delta R.T. 0.01 min
Lab File: BF121124.D
Acq: 30 Jul 2020 2:34

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.7	8.5
122	11.6	8.3	12.5

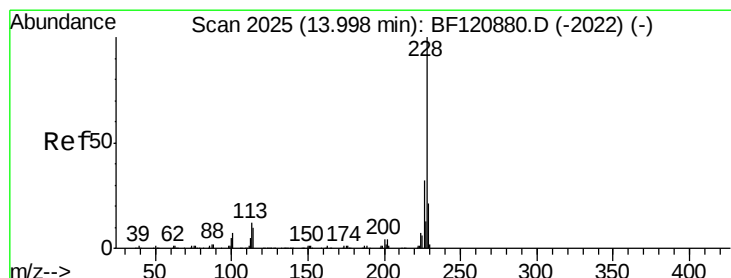
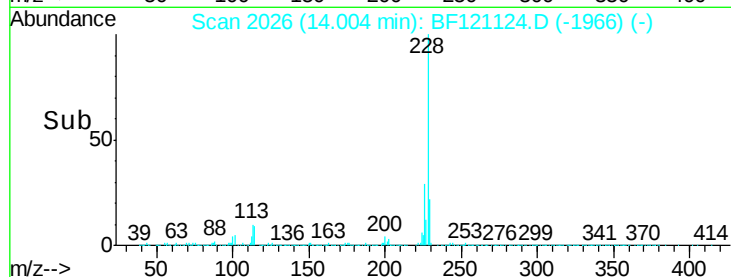
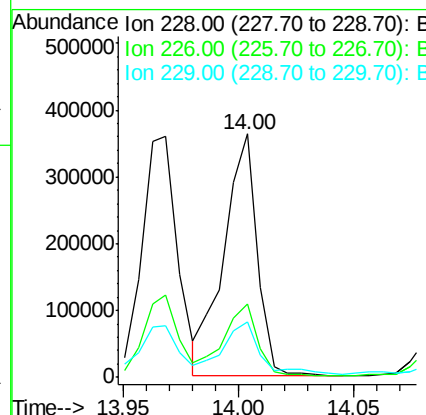
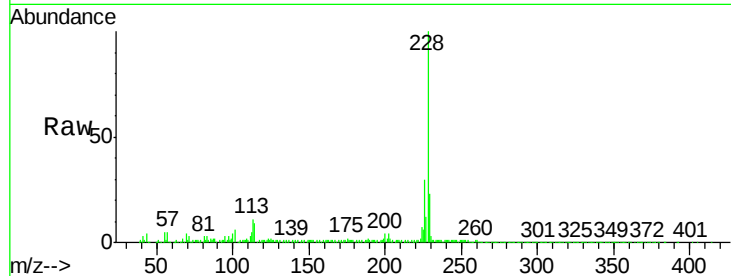




#81
Benzo(a)anthracene
Concen: 13.422 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.05 min
Lab File: BF121124.D
Acq: 30 Jul 2020 2:34

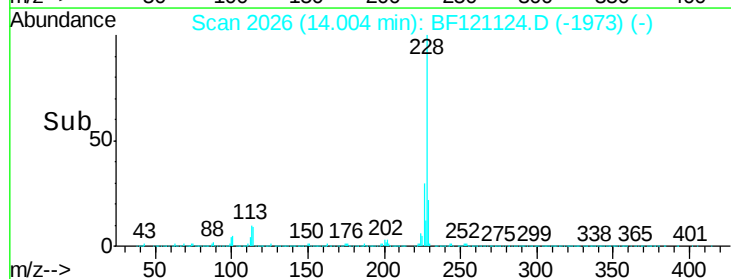
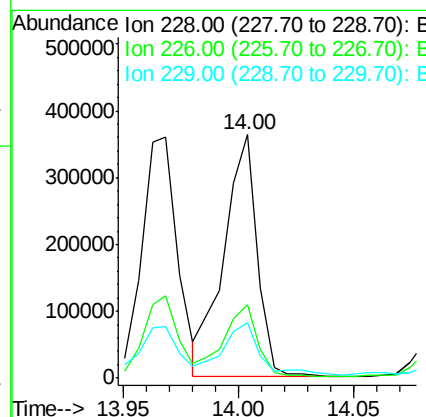
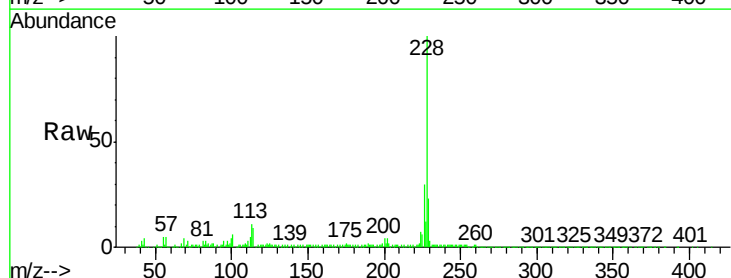
Instrument :
BNA_F
ClientSampled :
3

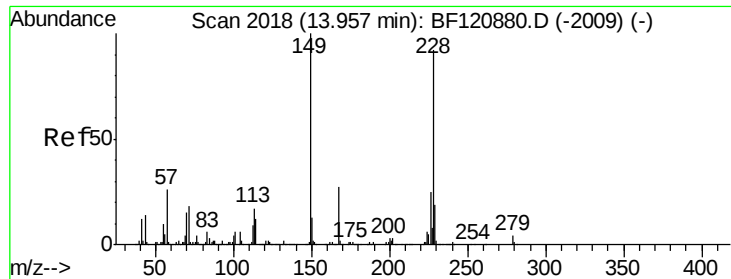
Tot Ion:228 Resp: 362043
Ion Ratio Lower Upper
228 100
226 30.1 22.6 34.0
229 22.7 16.1 24.1



#83
Chrysene
Concen: 12.772 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF121124.D
Acq: 30 Jul 2020 2:34

Tgt Ion:228 Resp: 362043
Ion Ratio Lower Upper
228 100
226 30.1 25.4 38.0
229 22.7 16.2 24.4





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.068 ng

RT: 13.96 min Scan# 2019

Delta R.T. 0.02 min

Lab File: BF121124.D

Acq: 30 Jul 2020 2:34

Instrument :

BNA_F

ClientSampleId :

3

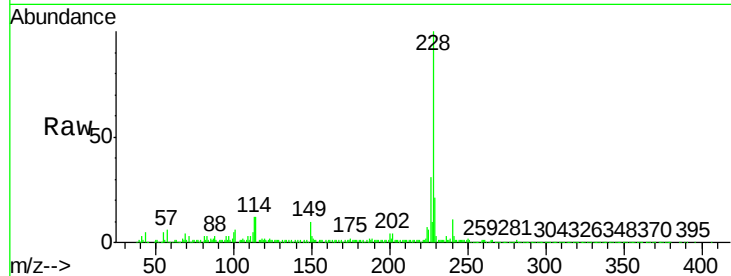
Tot Ion:149 Resp: 35810

Ion Ratio Lower Upper

149 100

167 9.1 21.8 32.6#

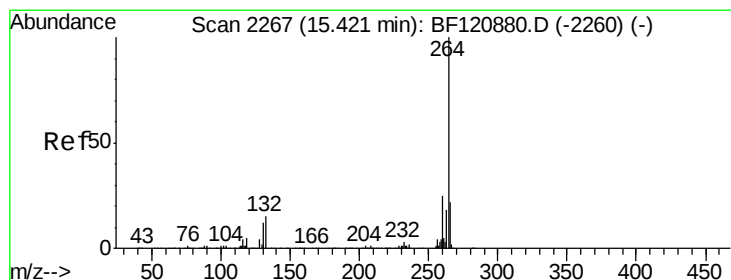
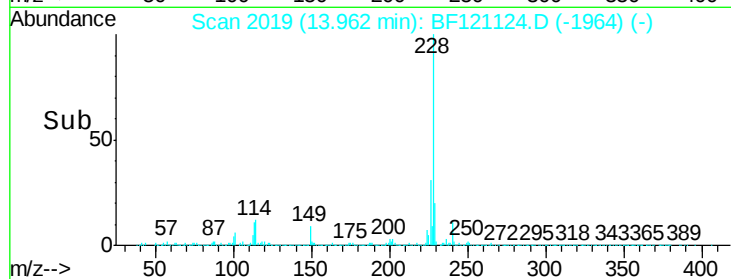
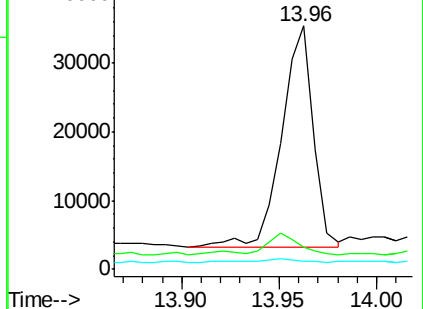
279 3.1 2.9 4.3



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.43 min Scan# 2269

Delta R.T. 0.03 min

Lab File: BF121124.D

Acq: 30 Jul 2020 2:34

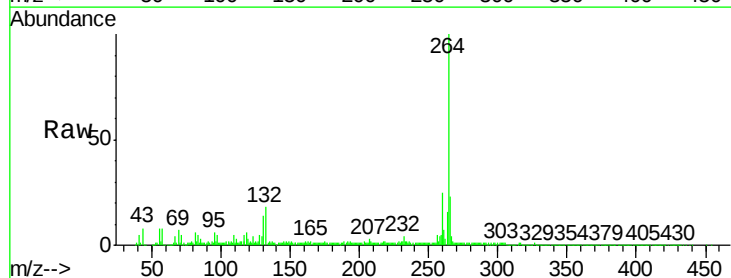
Tgt Ion:264 Resp: 366063

Ion Ratio Lower Upper

264 100

260 24.9 19.9 29.9

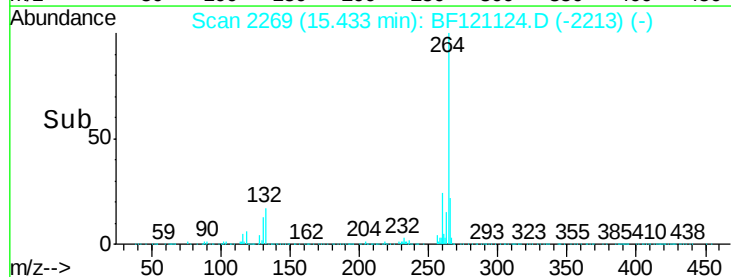
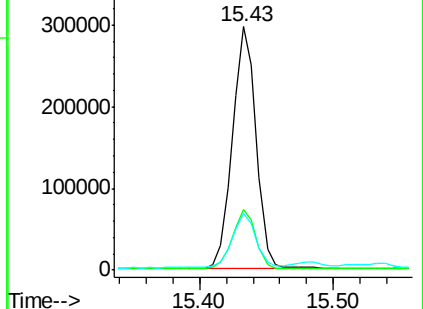
265 23.1 17.8 26.8

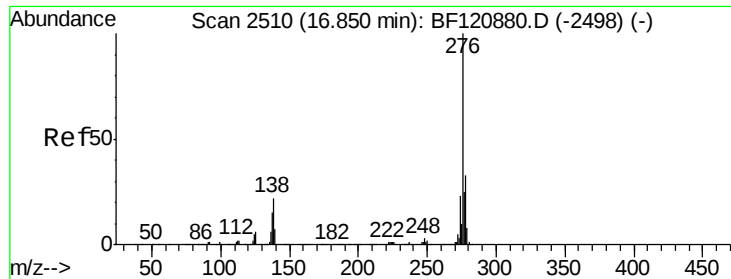


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

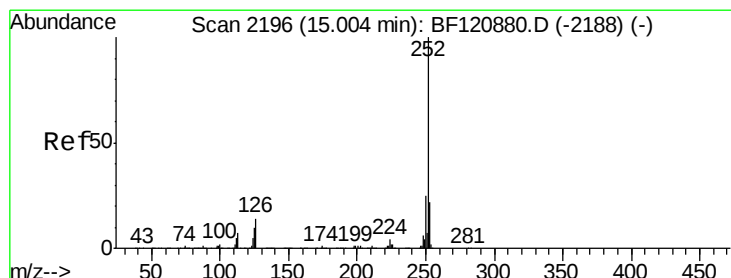
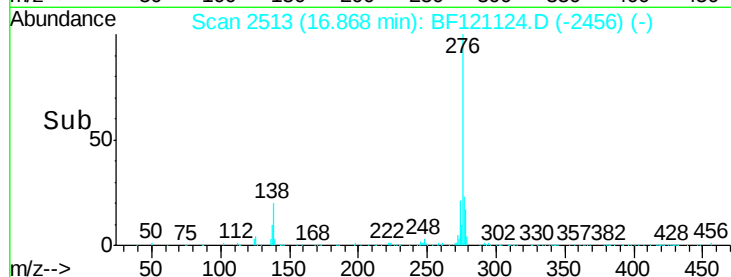
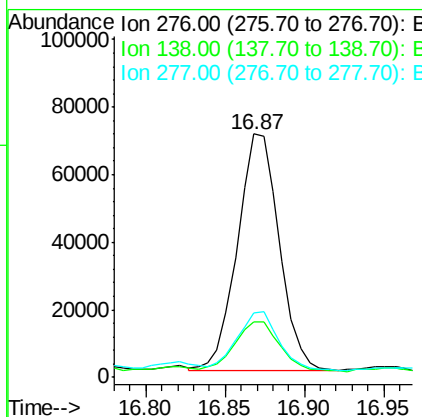
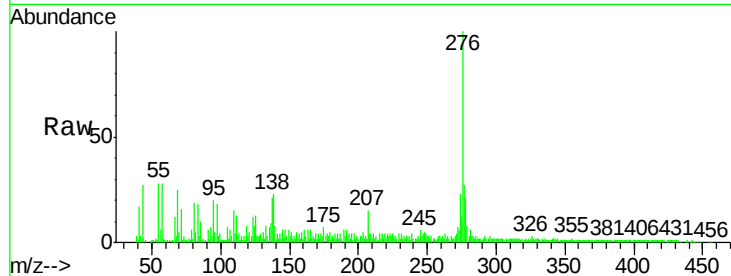




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.044 ng
 RT: 16.87 min Scan# 2513
 Delta R.T. 0.04 min
 Lab File: BF121124.D
 Acq: 30 Jul 2020 2:34

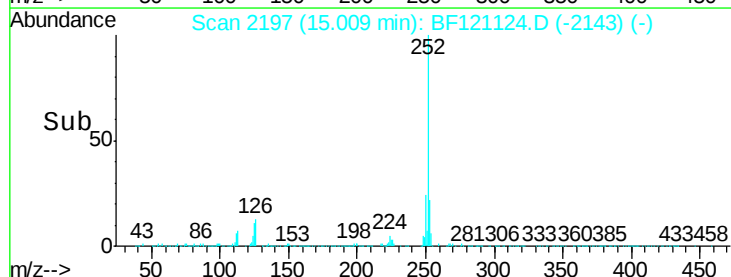
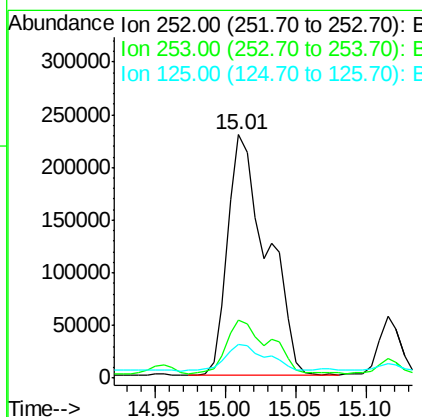
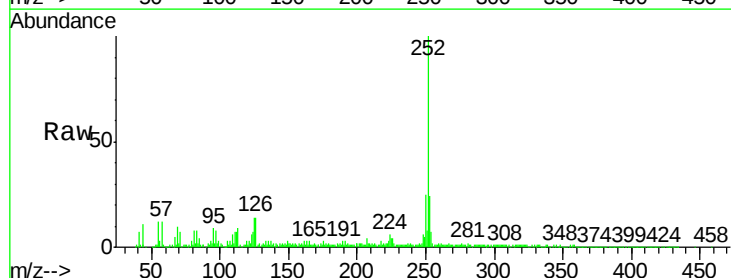
Instrument :
 BNA_F
 ClientSampleId :
 3

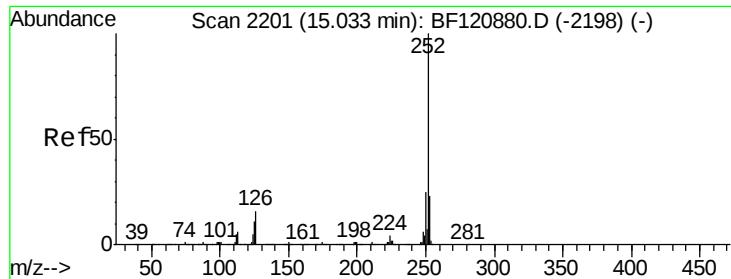
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.7	19.3	28.9
277	24.6	20.1	30.1



#88
 Benzo(b)fluoranthene
 Concen: 20.220 ng
 RT: 15.01 min Scan# 2197
 Delta R.T. 0.02 min
 Lab File: BF121124.D
 Acq: 30 Jul 2020 2:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	13.7	8.1	12.1

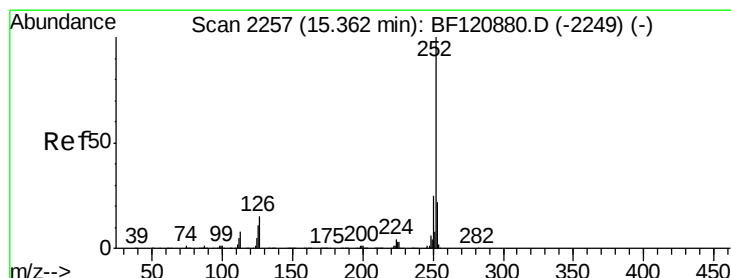
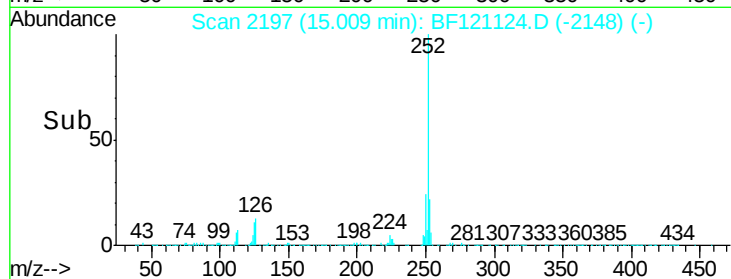
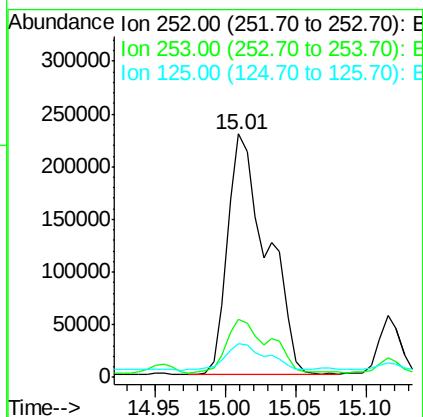
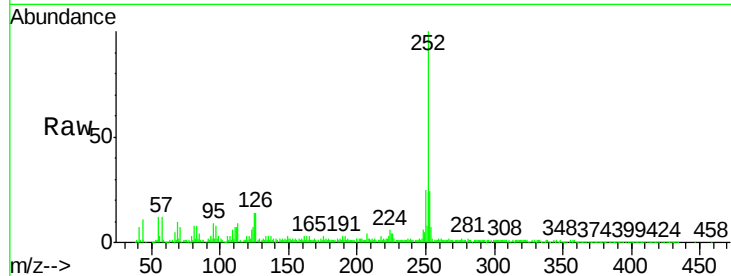




#89
Benzo(k)fluoranthene
Concen: 22.172 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BF121124.D
Acq: 30 Jul 2020 2:34

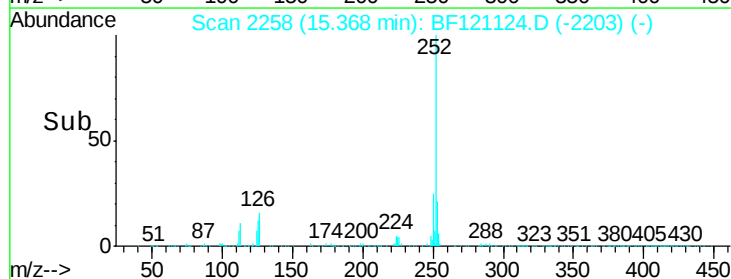
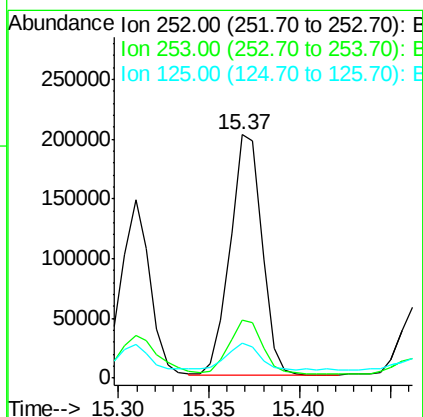
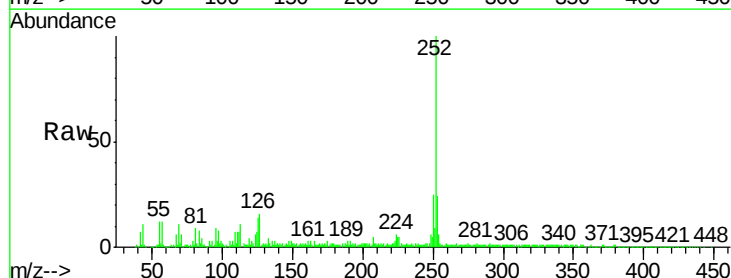
Instrument :
BNA_F
ClientSampleId :
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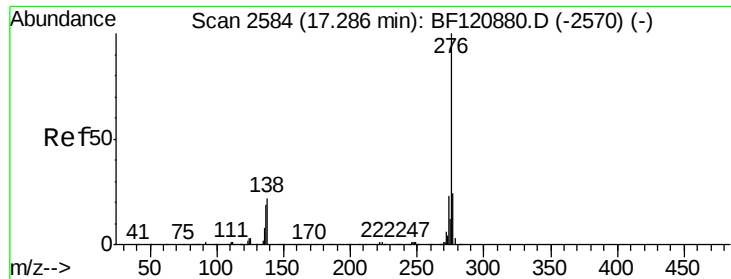
Tot Ion:252 Resp: 447421
Ion Ratio Lower Upper
252 100
253 23.8 18.1 27.1
125 13.7 8.0 12.0#



#90
Benzo(a)pyrene
Concen: 12.251 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.02 min
Lab File: BF121124.D
Acq: 30 Jul 2020 2:34

Tgt Ion:252 Resp: 247331
Ion Ratio Lower Upper
252 100
253 24.1 18.0 27.0
125 14.3 9.5 14.3#

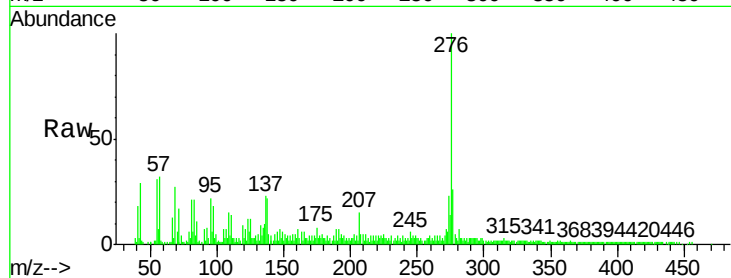




#92
 Benzo(a,h,i)perylene
 Concen: 6.005 ng
 RT: 17.31 min Scan# 2588
 Delta R.T. 0.05 min
 Lab File: BF121124.D
 Acq: 30 Jul 2020 2:34

Instrument :
 BNA_F
 ClientSampleId :
 3

Tot Ion:	276	Resp:	123136
Ion	Ratio	Lower	Upper
276	100		
277	26.2	19.4	29.0
138	21.7	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

