

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
 Data File : BF121714.D
 Acq On : 28 Sep 2020 16:09
 Operator : JU/CG
 Sample : L4154-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-4(12-14)

Quant Time: Sep 28 18:21:27 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 28 11:40:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	151852	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	587072	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	299410	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	520947	20.00	ng	0.00
76) Chrysene-d12	13.96	240	314743	20.00	ng	0.00
86) Perylene-d12	15.40	264	362844	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	385561	37.73	ng	0.00
7) Phenol-d6	6.43	99	686578	51.22	ng	-0.01
23) Nitrobenzene-d5	7.36	82	543302	49.69	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	76626	20.59	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	934112	47.25	ng	0.00
79) Terphenyl-d14	12.90	244	778367	50.10	ng	0.00

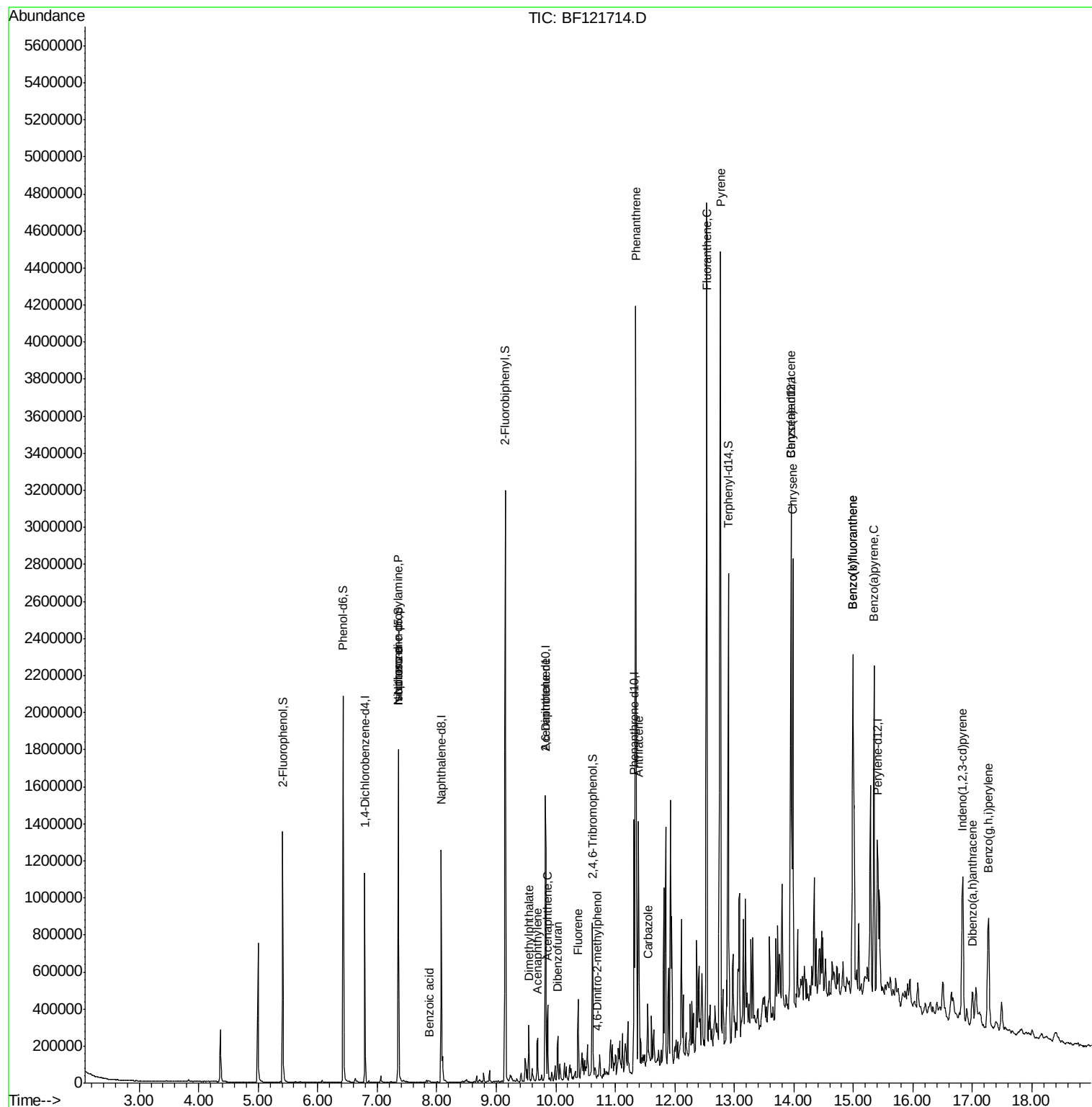
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.36	70	72114	9.334	ng	# 82
25) Isophorone	7.36	82	527457	23.964	ng	# 65
32) Benzoic acid	7.87	122	516	6.996	ng	# 30
49) Acenaphthylene	9.69	152	88846	3.061	ng	99
50) Dimethylphthalate	9.55	163	104289	4.806	ng	99
51) 2,6-Dinitrotoluene	9.83	165	40665	8.799	ng	# 22
52) Acenaphthene	9.86	154	75337	4.110	ng	98
55) Dibenzofuran	10.03	168	61251	2.373	ng	94
58) Fluorene	10.37	166	104118	5.274	ng	99
65) 4,6-Dinitro-2-methylphenol	10.70	198	946	7.106	ng	76
71) Phenanthrene	11.35	178	1526675	53.788	ng	100
72) Anthracene	11.39	178	466718	15.934	ng	98
73) Carbazole	11.55	167	106905	4.045	ng	99
75) Fluoranthene	12.54	202	2127600	70.220	ng	97
78) Pyrene	12.77	202	2082871	90.575	ng	99
81) Benzo(a)anthracene	13.94	228	1070939	53.783	ng	97
83) Chrysene	13.99	228	918643	45.559	ng	98
87) Indeno(1,2,3-cd)pyrene	16.83	276	552886	23.398	ng	95
88) Benzo(b)fluoranthene	14.99	252	1408920	58.084	ng	98
89) Benzo(k)fluoranthene	14.99	252	1408920	63.429	ng	# 96
90) Benzo(a)pyrene	15.35	252	880215	42.690	ng	97
91) Dibenz(a,h)anthracene	17.00	278	126484	6.430	ng	99
92) Benzo(g,h,i)perylene	17.27	276	509903	26.372	ng	97

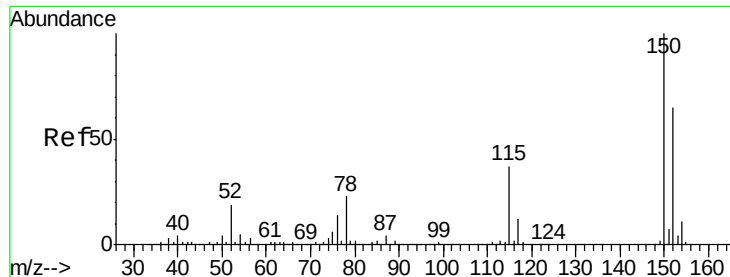
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 800

Delta R.T. -0.01 min

Lab File: BF121714.D

Acq: 28 Sep 2020 16:09

Instrument :

BNA_F

ClientSampleId :

B-4(12-14)

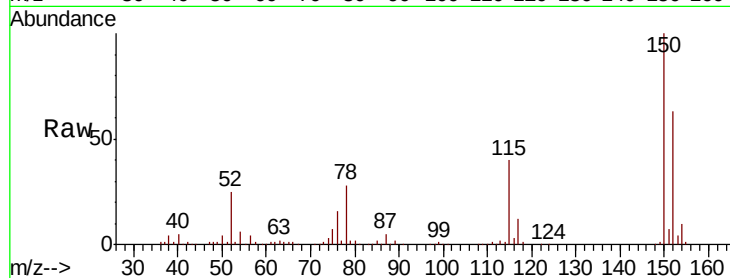
Tot Ion:152 Resp: 151852

Ion Ratio Lower Upper

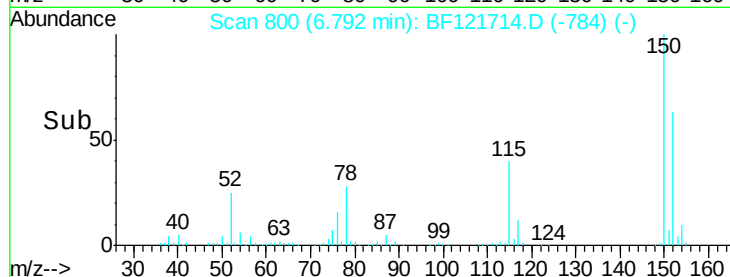
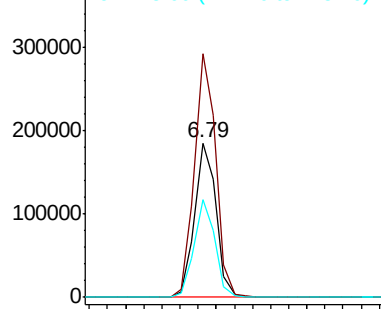
152 100

150 158.1 122.6 184.0

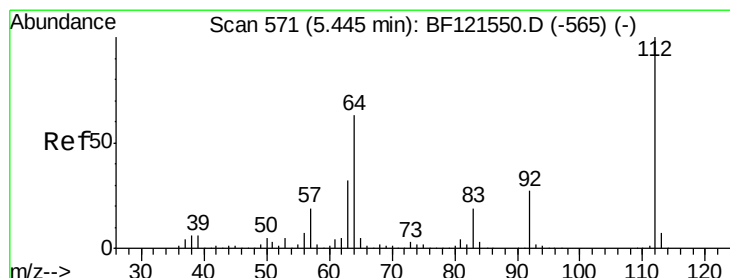
115 63.5 47.1 70.7



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



Time-->



#5

2-Fluorophenol

Concen: 37.734 ng

RT: 5.42 min Scan# 566

Delta R.T. 0.00 min

Lab File: BF121714.D

Acq: 28 Sep 2020 16:09

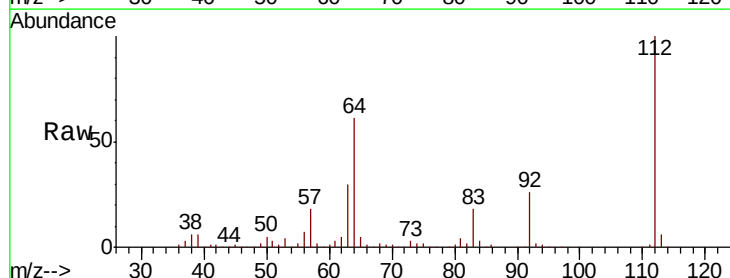
Tgt Ion:112 Resp: 385561

Ion Ratio Lower Upper

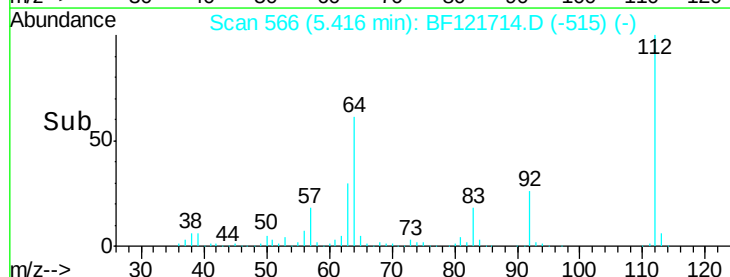
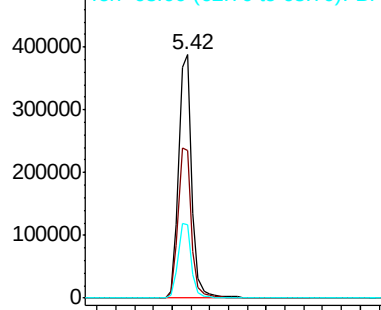
112 100

64 60.7 49.5 74.3

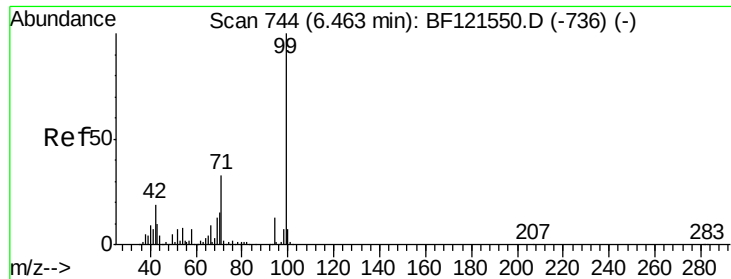
63 30.2 25.4 38.0



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



Time-->



#7

Phenol-d6

Concen: 51.217 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF121714.D

Acq: 28 Sep 2020 16:09

Instrument :

BNA_F

ClientSampleId :

B-4(12-14)

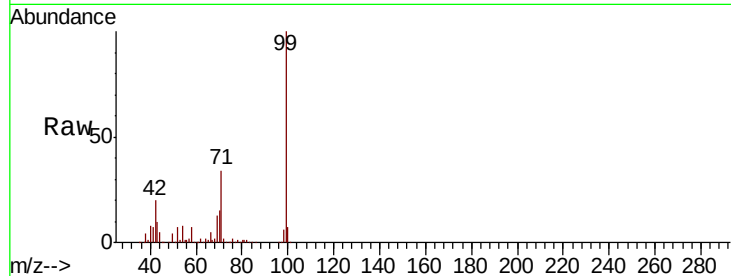
Tot Ion: 99 Resp: 686578

Ion Ratio Lower Upper

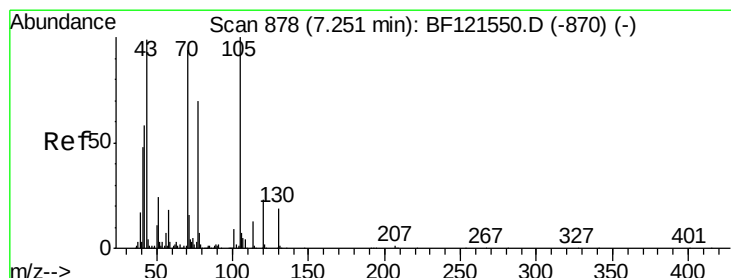
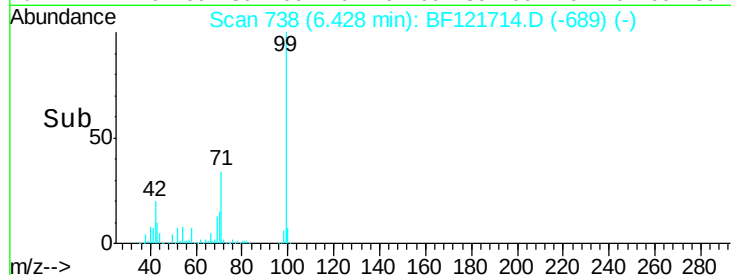
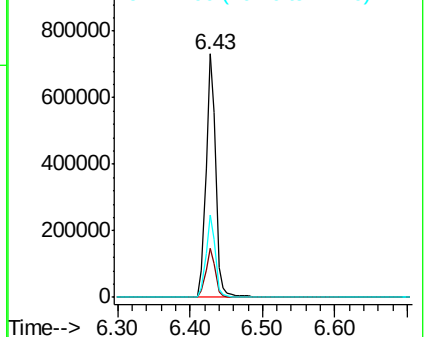
99 100

42 20.3 16.1 24.1

71 34.0 27.6 41.4



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



#19

n-Nitroso-di-n-propylamine

Concen: 9.334 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.14 min

Lab File: BF121714.D

Acq: 28 Sep 2020 16:09

Tgt Ion: 70 Resp: 72114

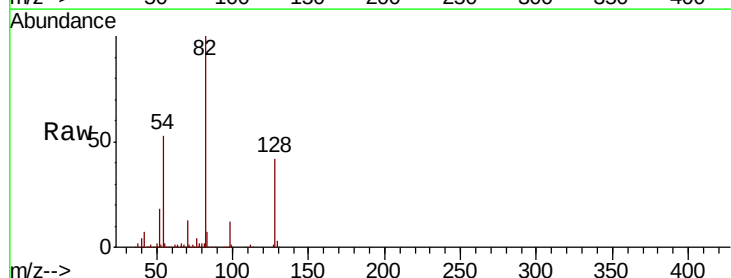
Ion Ratio Lower Upper

70 100

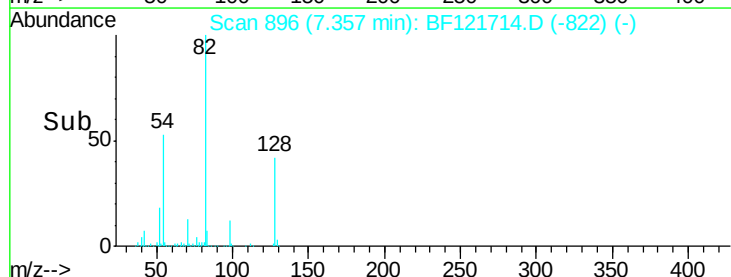
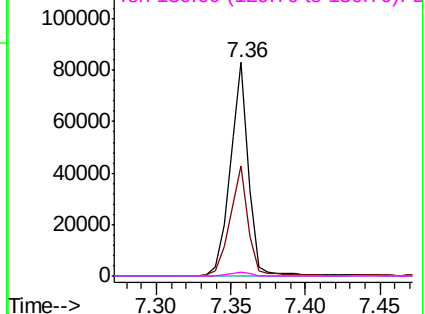
42 51.6 45.8 68.6

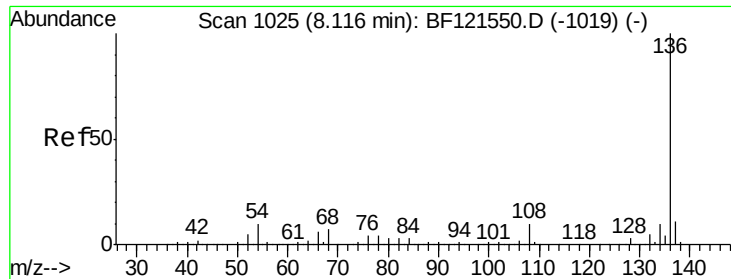
101 0.0 7.6 11.4#

130 1.9 17.8 26.8#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

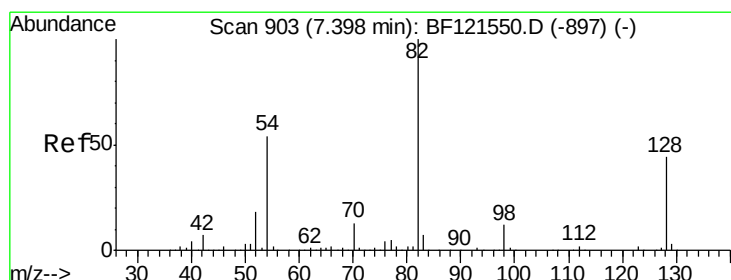
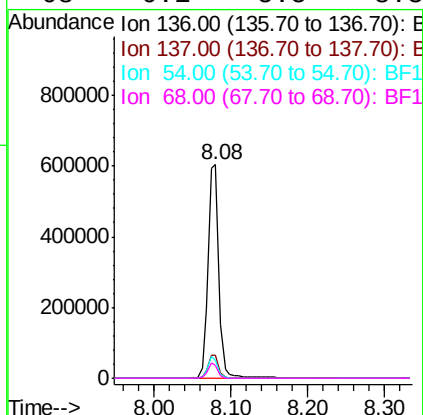
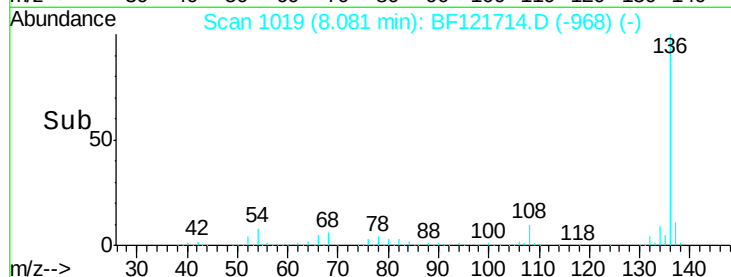
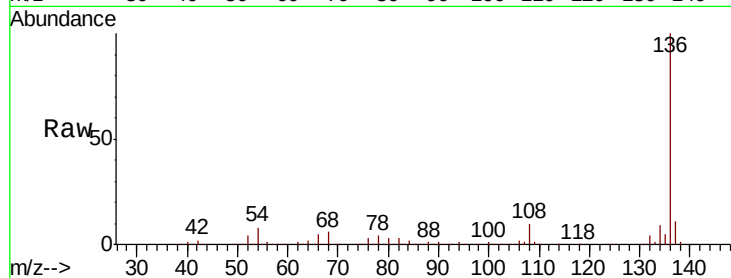




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BF121714.D
Acq: 28 Sep 2020 16:09

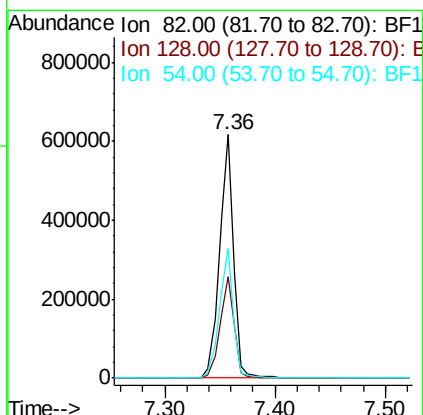
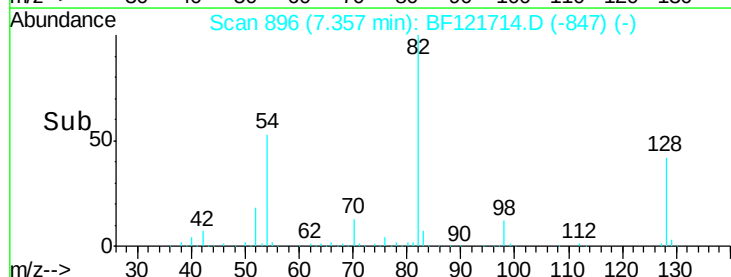
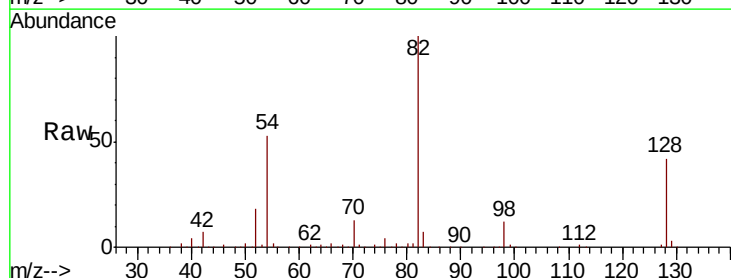
Instrument :
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B-4(12-14)

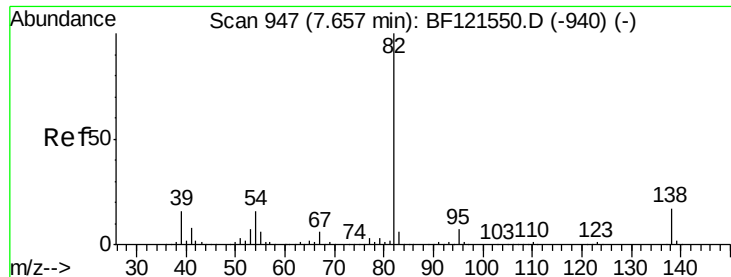
Tot Ion:136	Resp:	587072
Ion	Ratio	Lower Upper
136	100	
137	10.7	8.8 13.2
54	8.1	7.5 11.3
68	6.1	5.5 8.3



#23
Nitrobenzene-d5
Concen: 49.689 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF121714.D
Acq: 28 Sep 2020 16:09

Tgt Ion: 82	Resp:	543302
Ion	Ratio	Lower Upper
82	100	
128	41.9	35.8 53.6
54	53.0	42.6 63.8





#25

Isophorone

Concen: 23.964 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.27 min

Lab File: BF121714.D

Acq: 28 Sep 2020 16:09

Instrument :

BNA_F

ClientSampleId :

B-4(12-14)

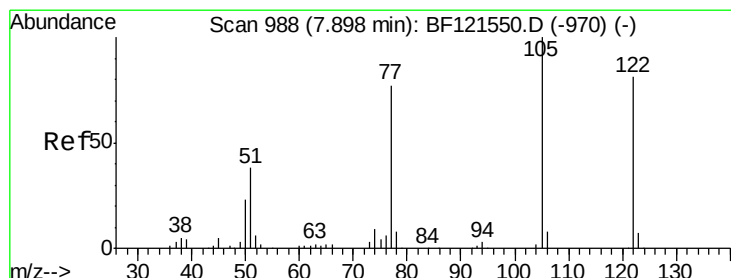
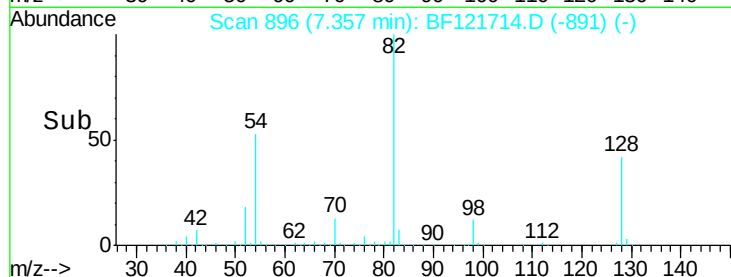
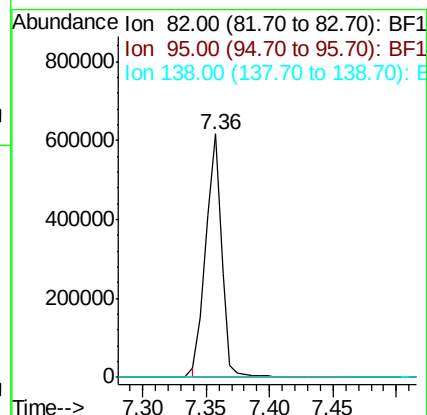
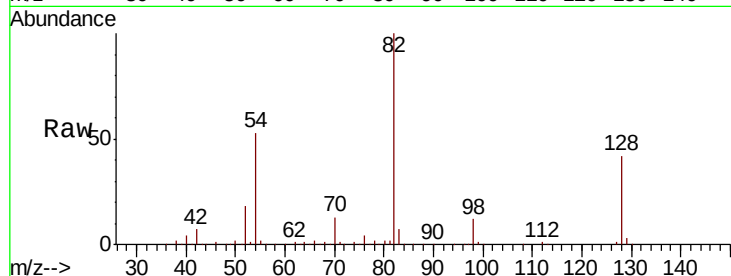
Tot Ion: 82 Resp: 527457

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#



#32

Benzoic acid

Concen: 6.996 ng

RT: 7.87 min Scan# 984

Delta R.T. -0.01 min

Lab File: BF121714.D

Acq: 28 Sep 2020 16:09

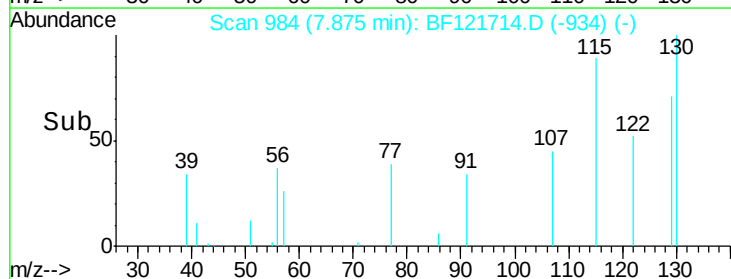
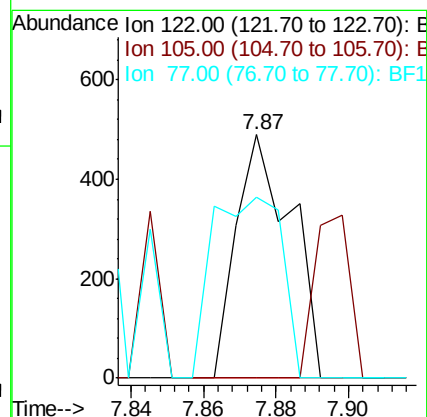
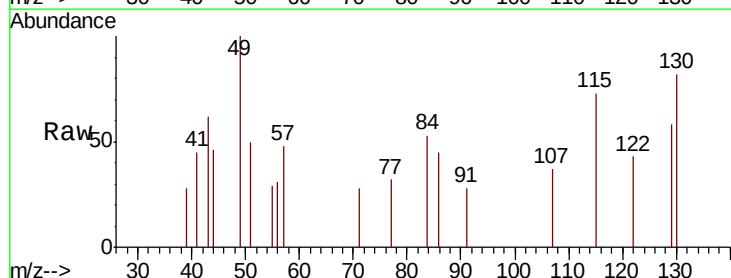
Tgt Ion: 122 Resp: 516

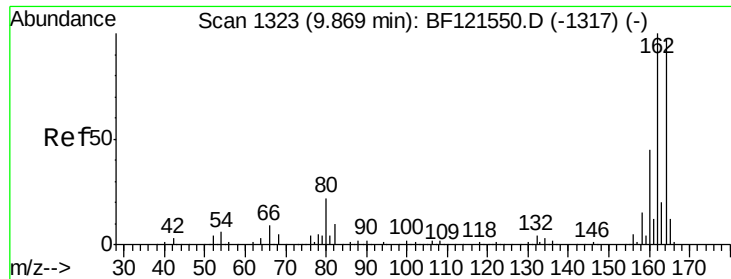
Ion Ratio Lower Upper

122 100

105 0.0 101.7 141.7#

77 74.5 72.8 112.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF121714.D

Acq: 28 Sep 2020 16:09

Instrument :

BNA_F

ClientSampleId :

B-4(12-14)

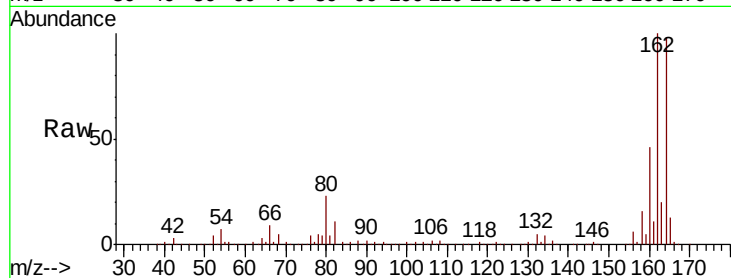
Tot Ion:164 Resp: 299410

Ion Ratio Lower Upper

164 100

162 102.1 82.1 123.1

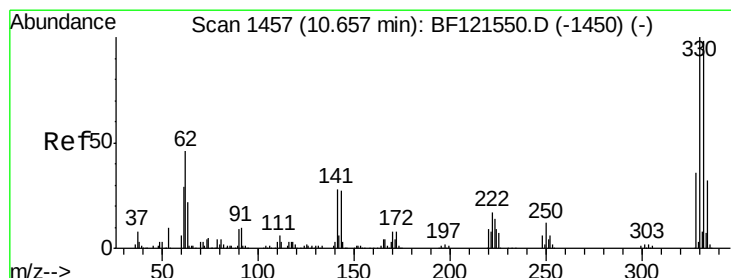
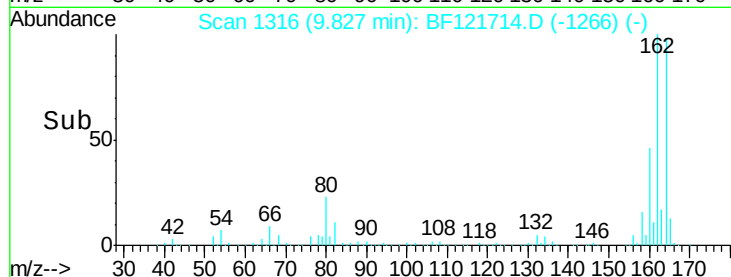
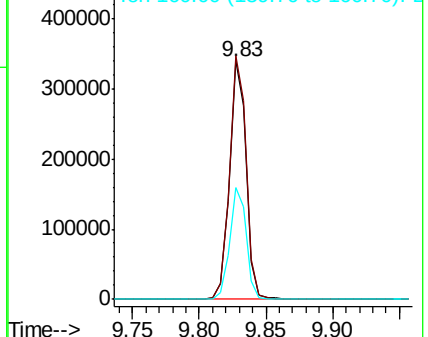
160 47.0 36.8 55.2



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: 20.591 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF121714.D

Acq: 28 Sep 2020 16:09

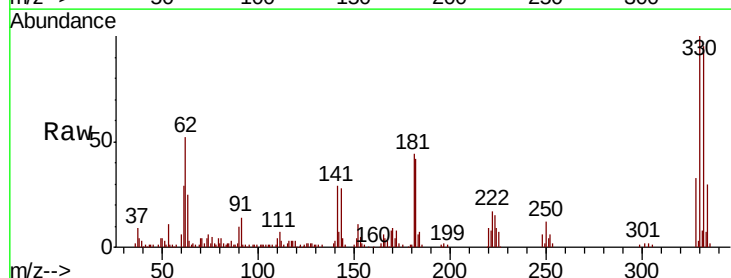
Tgt Ion:330 Resp: 76626

Ion Ratio Lower Upper

330 100

332 95.5 76.0 114.0

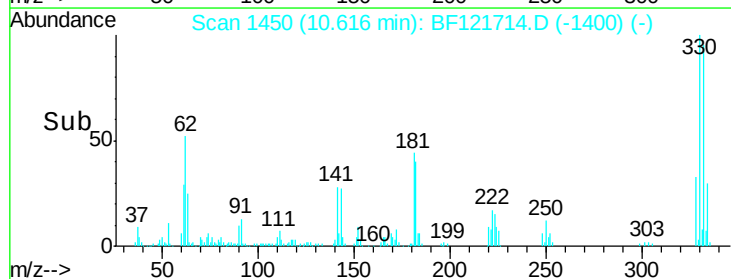
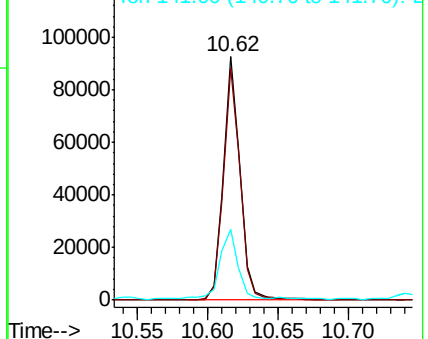
141 31.0 22.2 33.4

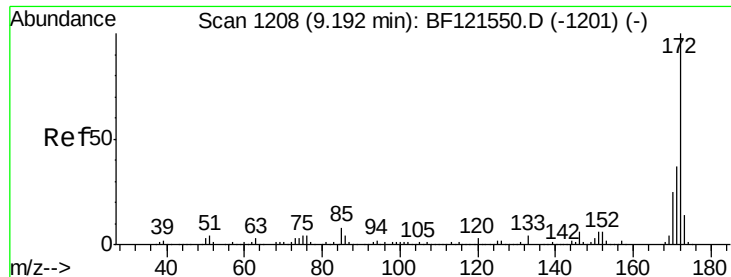


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

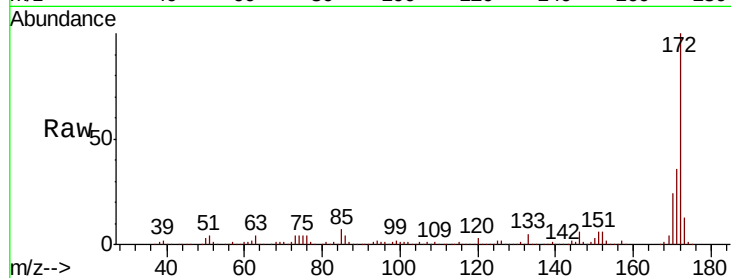




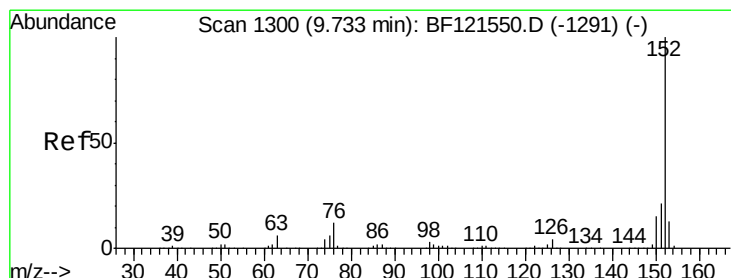
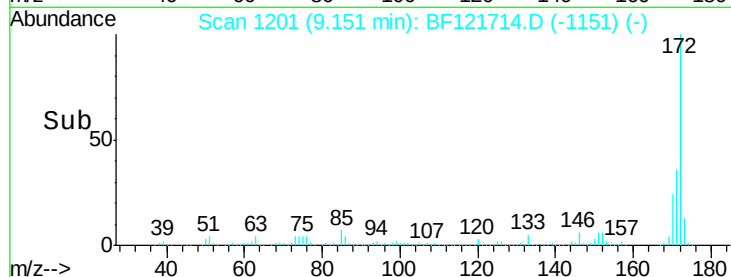
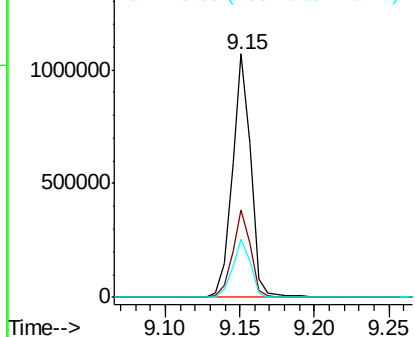
#45
2-Fluorobiphenyl
Concen: 47.251 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF121714.D
Acq: 28 Sep 2020 16:09

Instrument :
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B-4(12-14)

Tot Ion:172 Resp: 934112
Ion Ratio Lower Upper
172 100
171 35.9 29.0 43.6
170 23.9 19.5 29.3

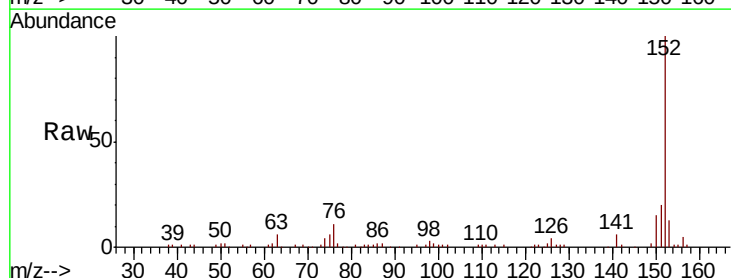


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

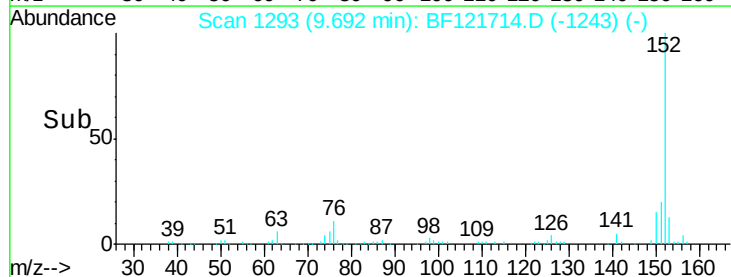
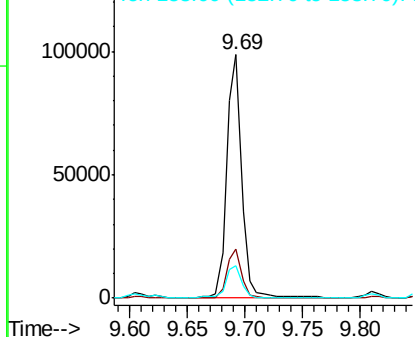


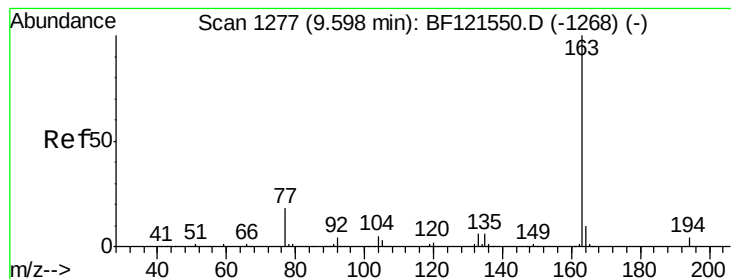
#49
Acenaphthylene
Concen: 3.061 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF121714.D
Acq: 28 Sep 2020 16:09

Tgt Ion:152 Resp: 88846
Ion Ratio Lower Upper
152 100
151 20.2 16.5 24.7
153 13.1 10.6 16.0



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: 4.806 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.02 min

Lab File: BF121714.D

Acq: 28 Sep 2020 16:09

Instrument :

BNA_F

ClientSampleId :

B-4(12-14)

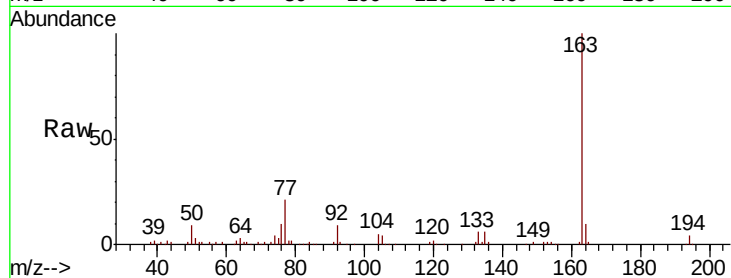
Tot Ion:163 Resp: 104289

Ion Ratio Lower Upper

163 100

194 3.8 3.4 5.0

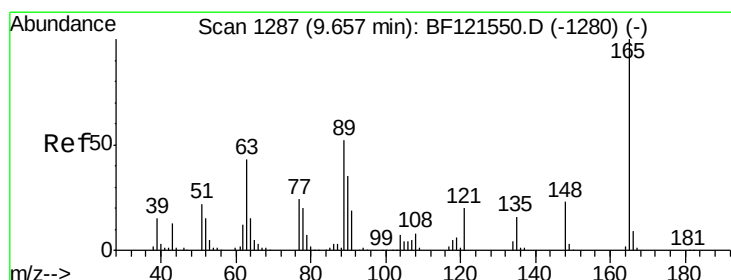
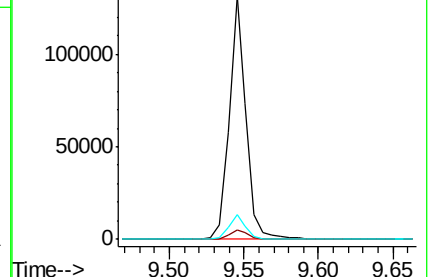
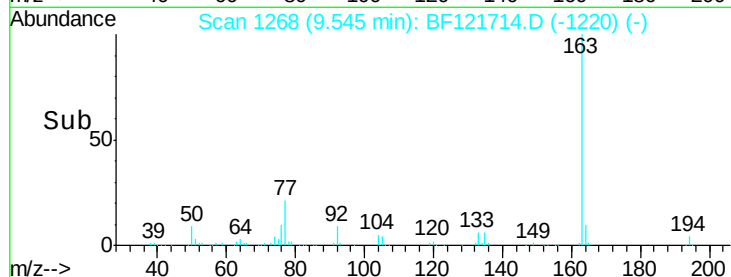
164 10.0 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 8.799 ng

RT: 9.83 min Scan# 1316

Delta R.T. 0.21 min

Lab File: BF121714.D

Acq: 28 Sep 2020 16:09

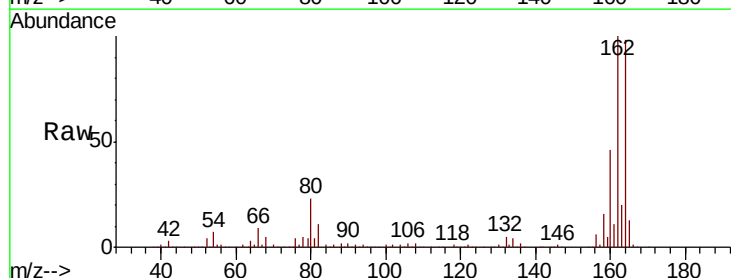
Tgt Ion:165 Resp: 40665

Ion Ratio Lower Upper

165 100

63 1.1 49.8 74.6#

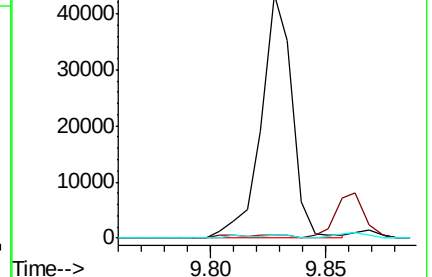
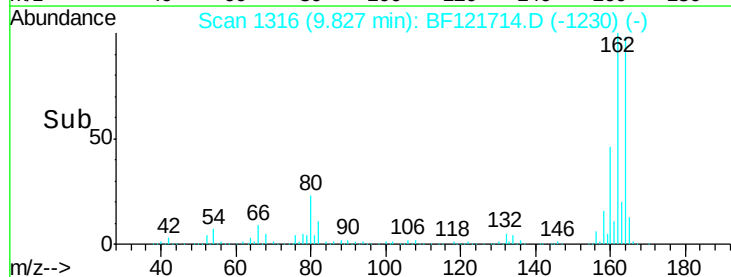
89 1.4 48.2 72.2#

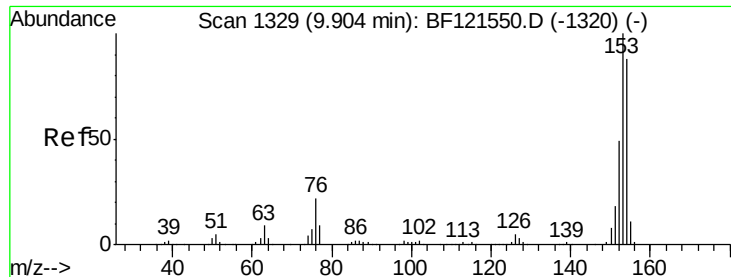


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#52

Acenaphthene

Concen: 4.110 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF121714.D

Acq: 28 Sep 2020 16:09

Instrument :

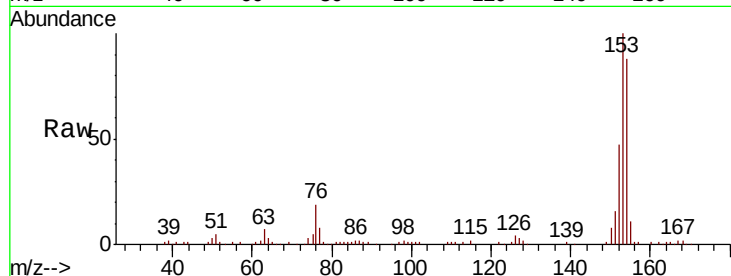
BNA_F

ClientSampleId :

B-4(12-14)

Tot Ion:154 Resp: 75337

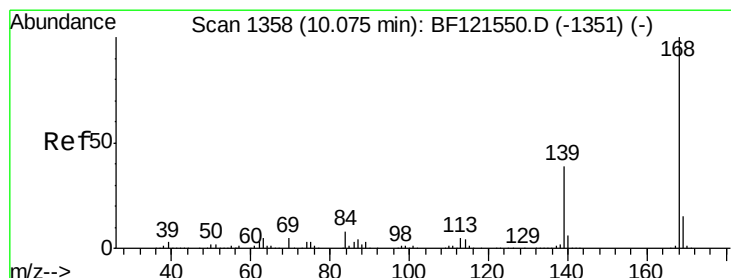
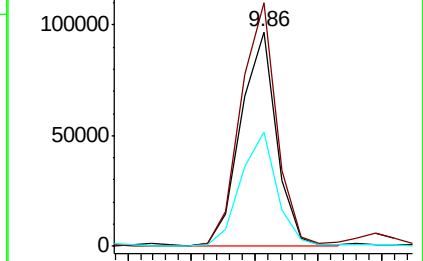
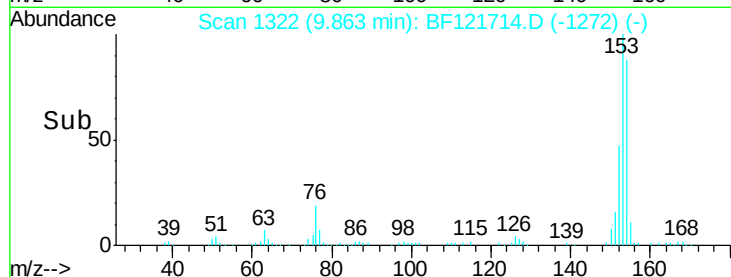
Ion	Ratio	Lower	Upper
154	100		
153	113.4	91.7	137.5
152	53.0	44.0	66.0



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



#55

Dibenzofuran

Concen: 2.373 ng

RT: 10.03 min Scan# 1351

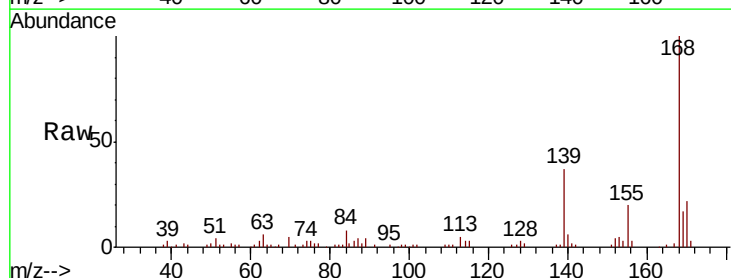
Delta R.T. -0.01 min

Lab File: BF121714.D

Acq: 28 Sep 2020 16:09

Tgt Ion:168 Resp: 61251

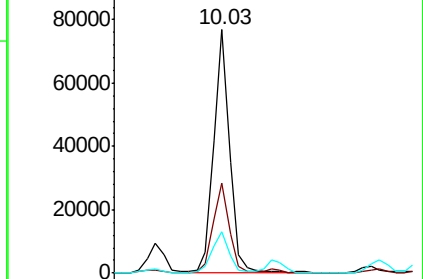
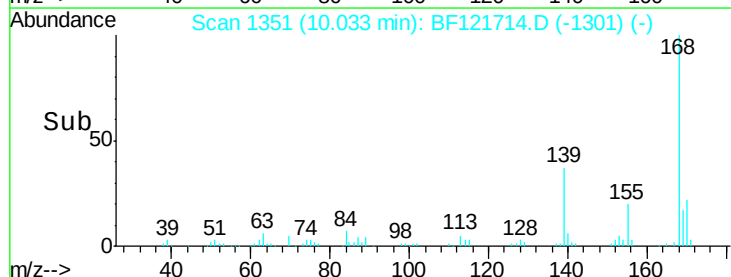
Ion	Ratio	Lower	Upper
168	100		
139	37.2	32.6	49.0
169	17.1	11.7	17.5

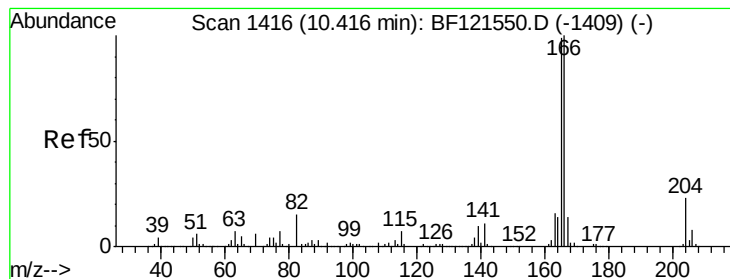


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#58

Fluorene

Concen: 5.274 ng

RT: 10.37 min Scan# 1409

Delta R.T. -0.01 min

Lab File: BF121714.D

Acq: 28 Sep 2020 16:09

Instrument :

BNA_F

ClientSampleId :

B-4(12-14)

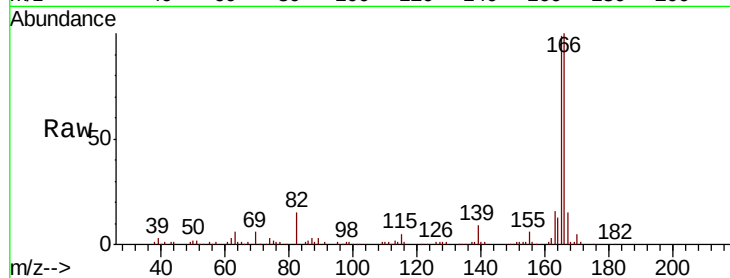
Tot Ion:166 Resp: 104118

Ion Ratio Lower Upper

166 100

165 99.2 78.8 118.2

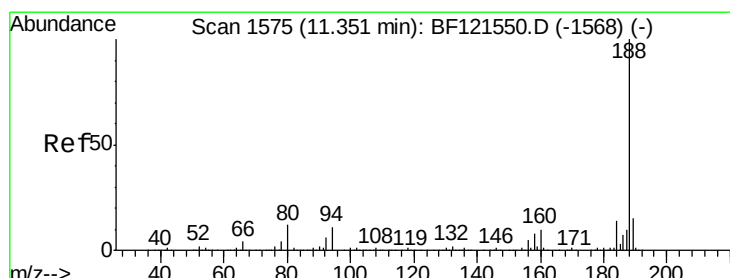
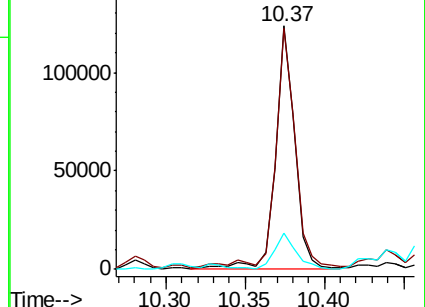
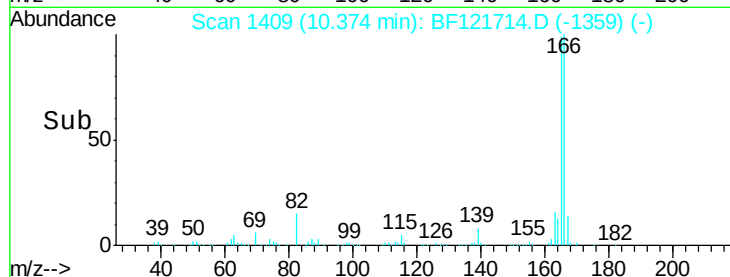
167 15.1 11.0 16.4



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# 1569

Delta R.T. 0.00 min

Lab File: BF121714.D

Acq: 28 Sep 2020 16:09

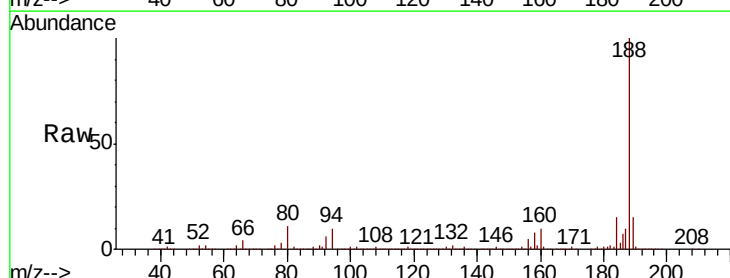
Tgt Ion:188 Resp: 520947

Ion Ratio Lower Upper

188 100

94 10.4 8.4 12.6

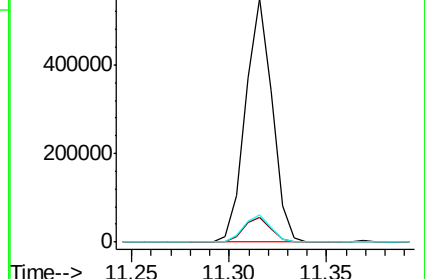
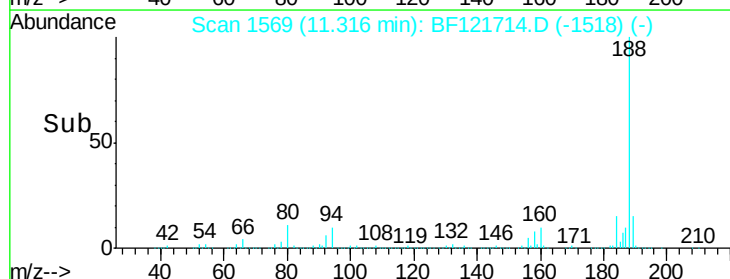
80 11.1 9.3 13.9

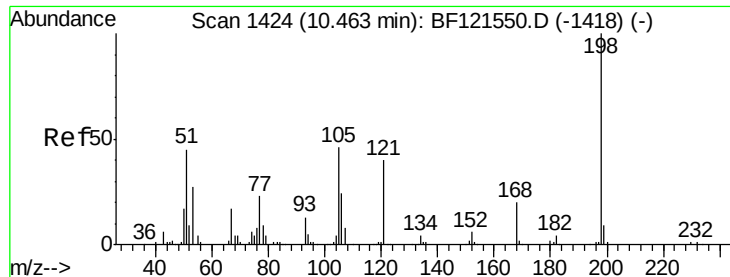


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.106 ng

RT: 10.70 min Scan# 1464

Delta R.T. 0.26 min

Lab File: BF121714.D

Acq: 28 Sep 2020 16:09

Instrument :

BNA_F

ClientSampled :

B-4(12-14)

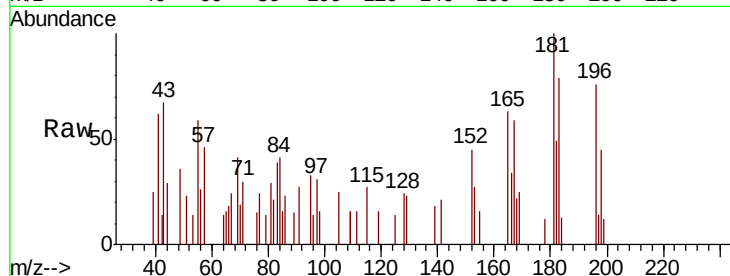
Tot Ion:198 Resp: 946

Ion Ratio Lower Upper

198 100

51 51.6 18.8 58.8

105 54.8 18.5 58.5



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

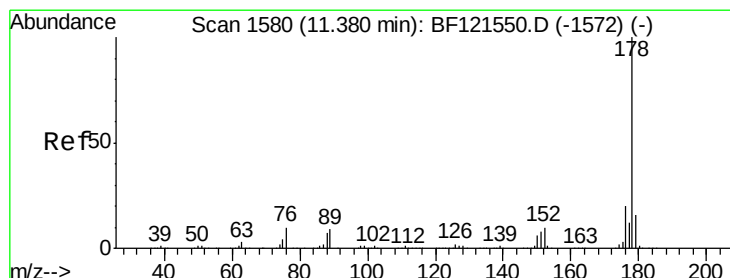
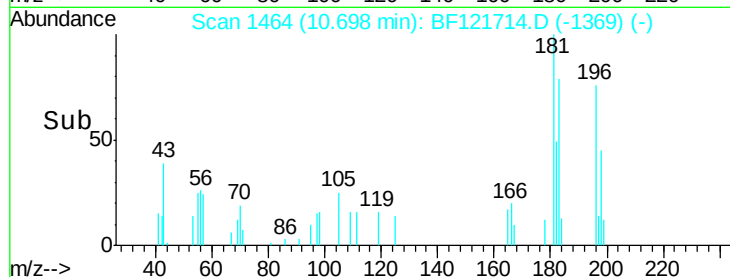
10.70

1000

500

0

Time--> 10.66 10.68 10.70 10.72



#71

Phenanthrene

Concen: 53.788 ng

RT: 11.35 min Scan# 1574

Delta R.T. 0.00 min

Lab File: BF121714.D

Acq: 28 Sep 2020 16:09

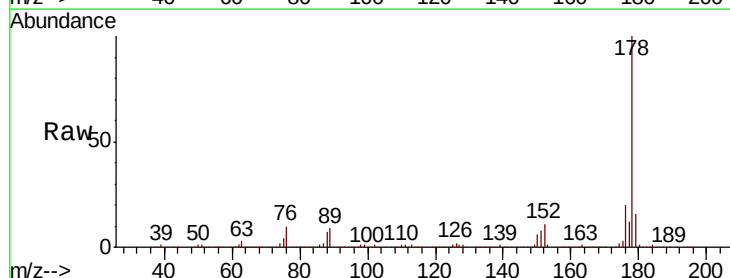
Tgt Ion:178 Resp: 1526675

Ion Ratio Lower Upper

178 100

176 20.2 16.2 24.4

179 15.7 12.5 18.7



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

11.35

2000000

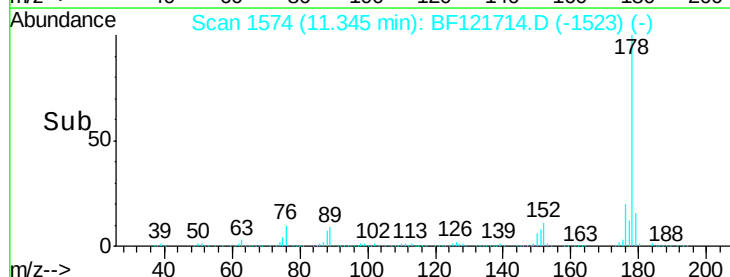
1500000

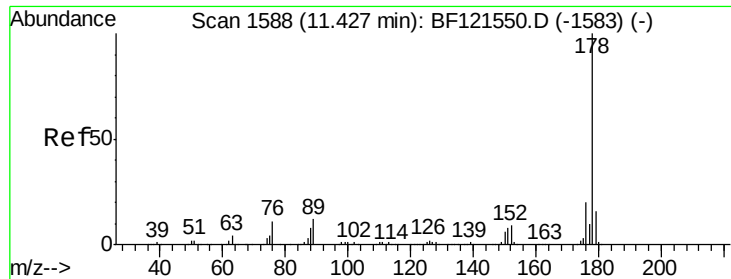
1000000

500000

0

Time--> 11.25 11.30 11.35





#72

Anthracene

Concen: 15.934 ng

RT: 11.39 min Scan# 1582

Delta R.T. 0.00 min

Lab File: BF121714.D

Acq: 28 Sep 2020 16:09

Instrument :

BNA_F

ClientSampleId :

B-4(12-14)

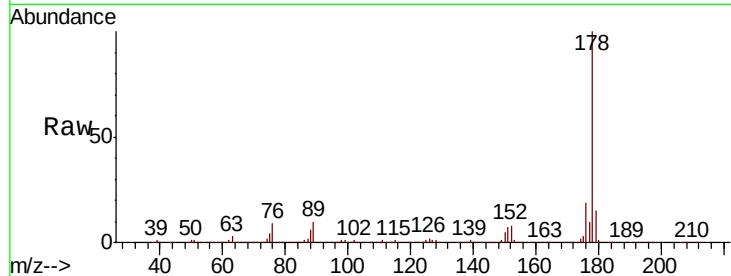
Tot Ion:178 Resp: 466718

Ion Ratio Lower Upper

178 100

176 18.7 15.6 23.4

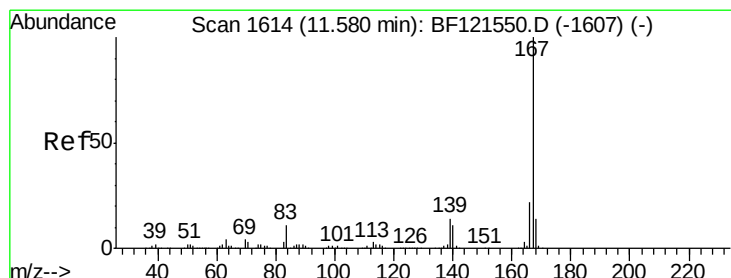
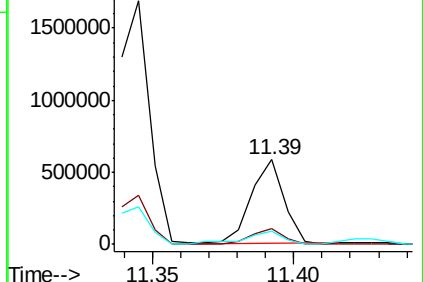
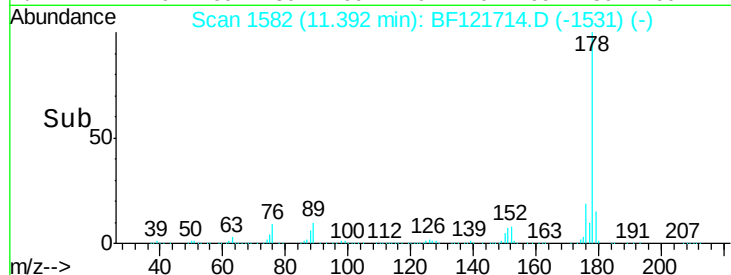
179 15.3 12.7 19.1



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



#73

Carbazole

Concen: 4.045 ng

RT: 11.55 min Scan# 1608

Delta R.T. -0.01 min

Lab File: BF121714.D

Acq: 28 Sep 2020 16:09

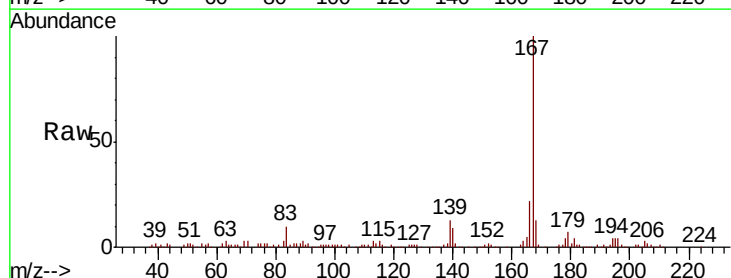
Tgt Ion:167 Resp: 106905

Ion Ratio Lower Upper

167 100

166 21.6 17.6 26.4

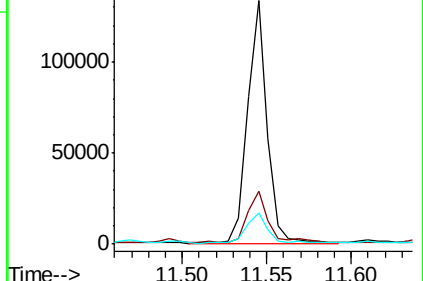
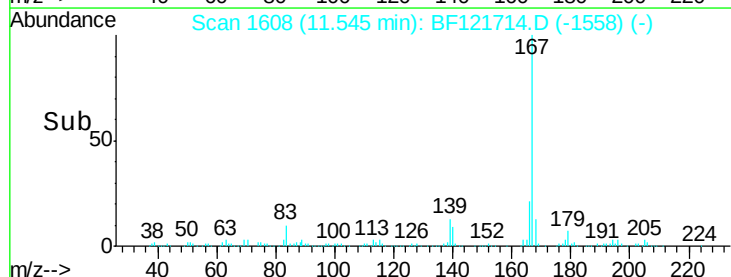
139 12.9 10.7 16.1

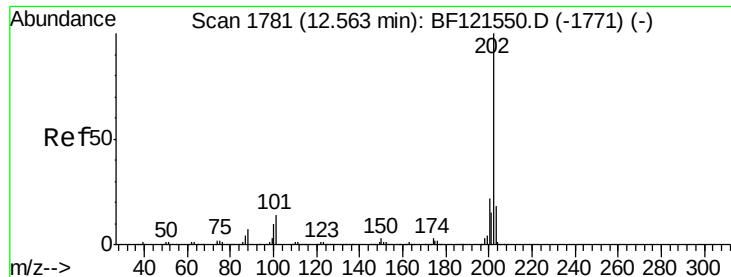


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 70.220 ng

RT: 12.54 min Scan# 1777

Delta R.T. 0.01 min

Lab File: BF121714.D

Acq: 28 Sep 2020 16:09

Instrument :

BNA_F

ClientSampleId :

B-4(12-14)

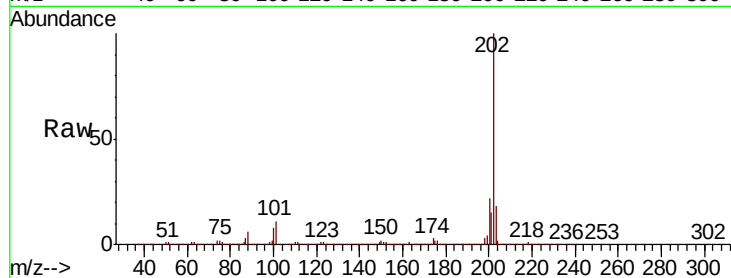
Tot Ion:202 Resp: 2127600

Ion Ratio Lower Upper

202 100

101 11.3 0.0 33.7

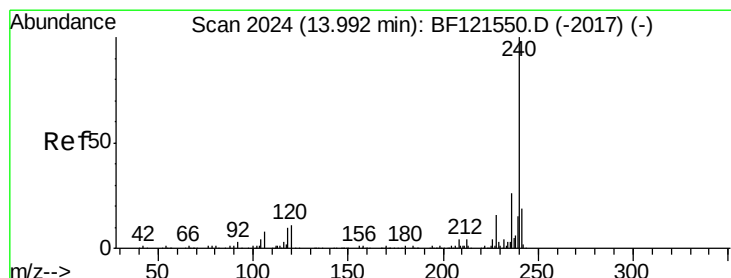
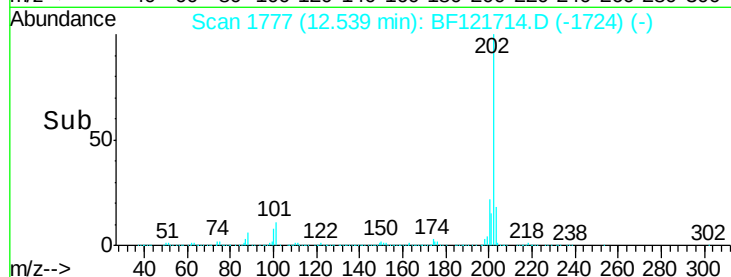
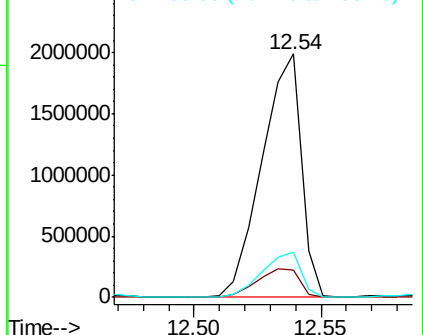
203 18.3 0.0 38.5



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# 2018

Delta R.T. 0.00 min

Lab File: BF121714.D

Acq: 28 Sep 2020 16:09

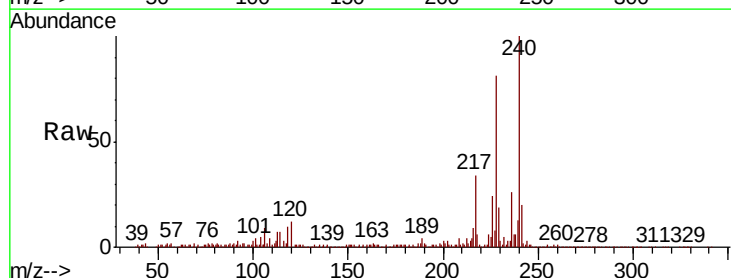
Tgt Ion:240 Resp: 314743

Ion Ratio Lower Upper

240 100

120 11.9 9.1 13.7

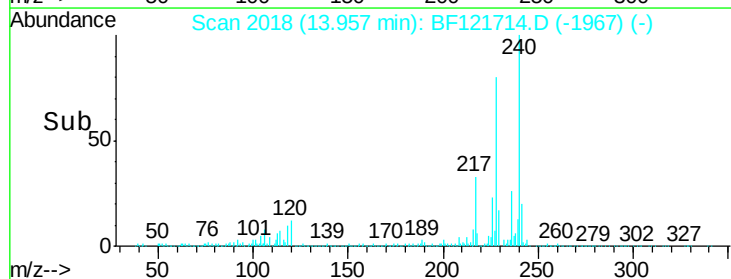
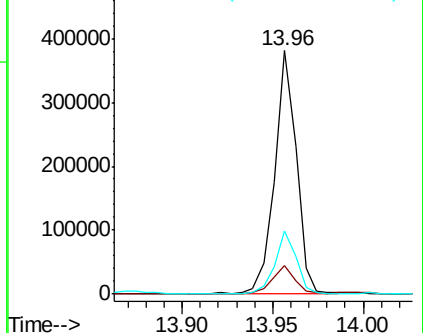
236 26.1 20.6 30.8

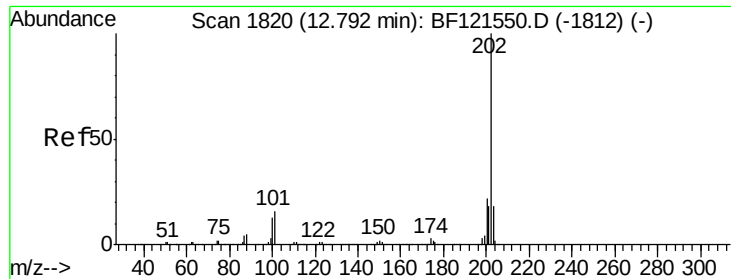


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 90.575 ng

RT: 12.77 min Scan# 1816

Delta R.T. 0.01 min

Lab File: BF121714.D

Acq: 28 Sep 2020 16:09

Instrument :

BNA_F

ClientSampleId :

B-4(12-14)

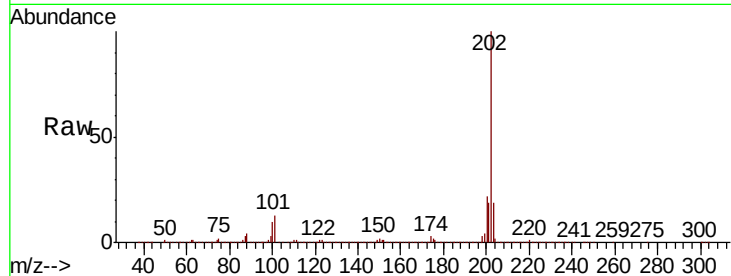
Tot Ion:202 Resp: 2082871

Ion Ratio Lower Upper

202 100

200 22.4 17.8 26.8

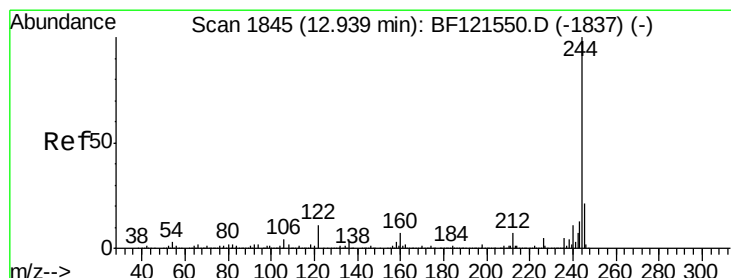
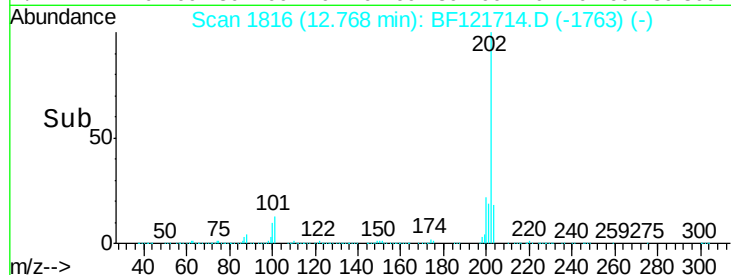
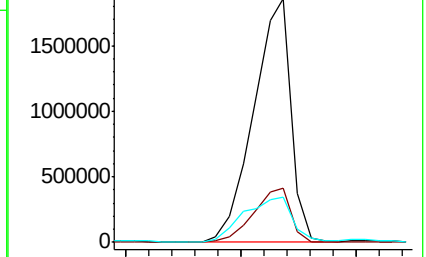
203 18.8 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

2500000 Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 50.101 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.01 min

Lab File: BF121714.D

Acq: 28 Sep 2020 16:09

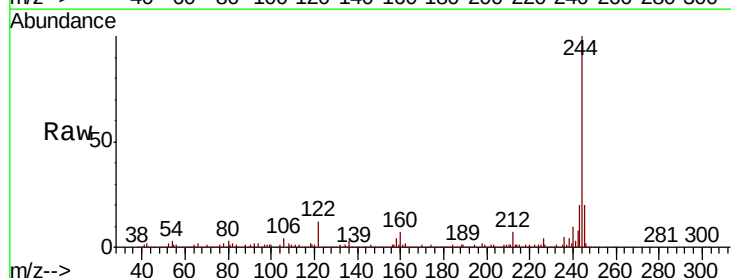
Tgt Ion:244 Resp: 778367

Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

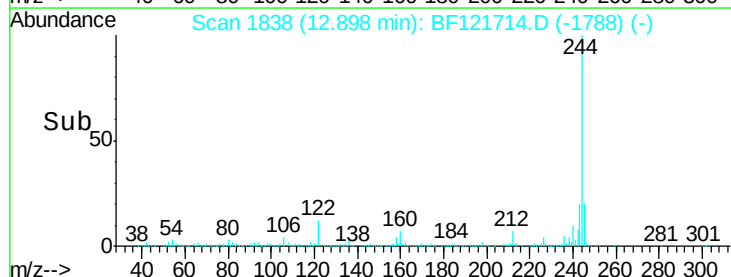
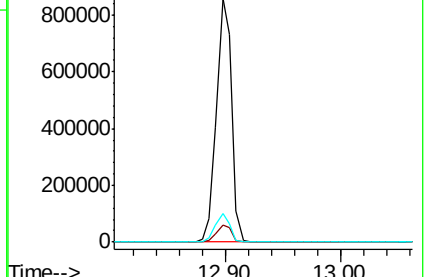
122 12.0 8.0 12.0

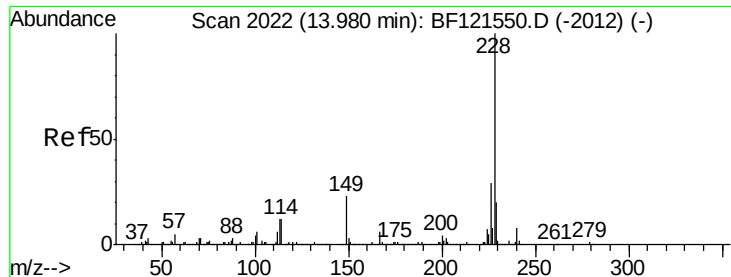


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

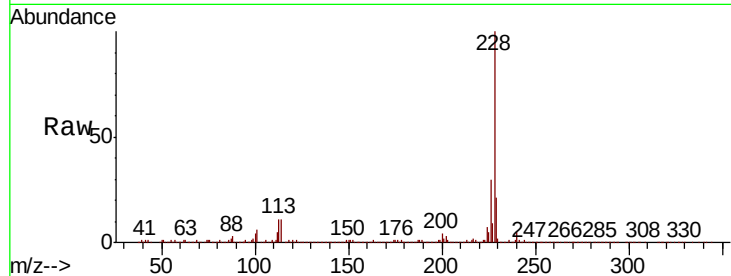




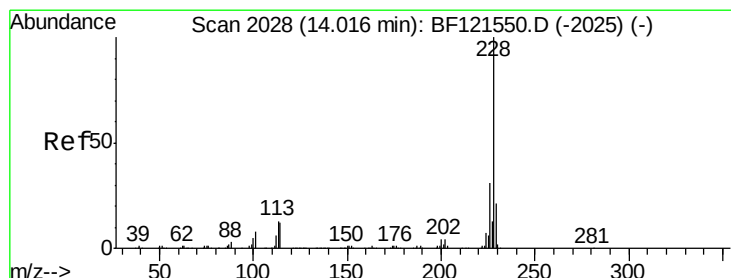
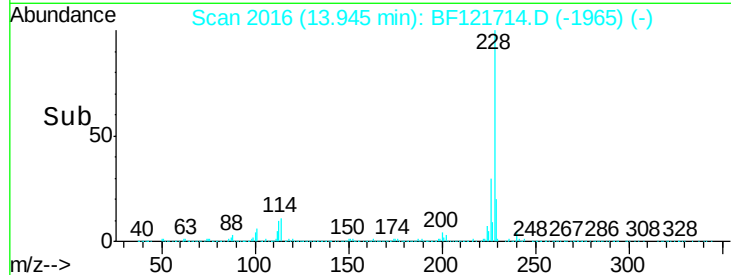
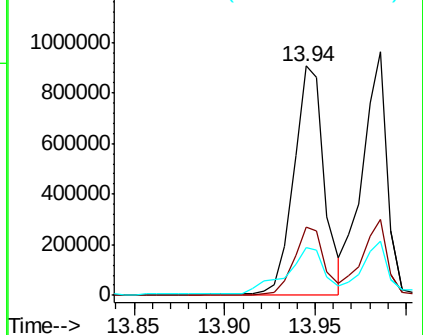
#81
Benzo(a)anthracene
Concen: 53.783 ng
RT: 13.94 min Scan# 2016
Delta R.T. 0.00 min
Lab File: BF121714.D
Acq: 28 Sep 2020 16:09

Instrument :
BNA_F
ClientSampleId :
B-4(12-14)

Tot Ion:228 Resp: 1070939
Ion Ratio Lower Upper
228 100
226 30.0 22.5 33.7
229 20.9 16.2 24.4

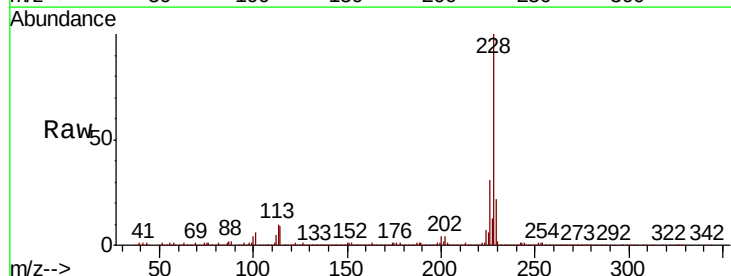


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

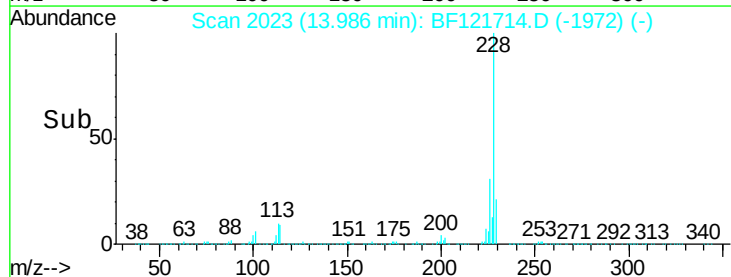
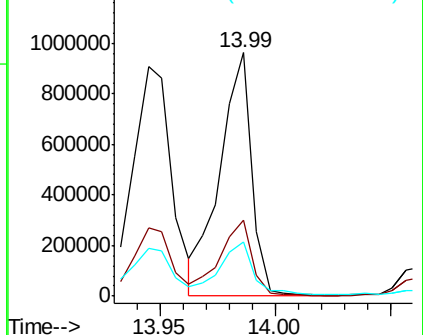


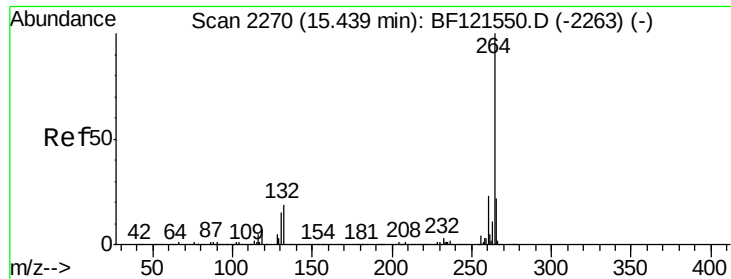
#83
Chrysene
Concen: 45.559 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.00 min
Lab File: BF121714.D
Acq: 28 Sep 2020 16:09

Tgt Ion:228 Resp: 918643
Ion Ratio Lower Upper
228 100
226 31.4 25.0 37.4
229 22.2 16.0 24.0



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: 15.40 min Scan# 2264

Delta R.T. 0.01 min

Lab File: BF121714.D

Acq: 28 Sep 2020 16:09

Instrument :

BNA_F

ClientSampleId :

B-4(12-14)

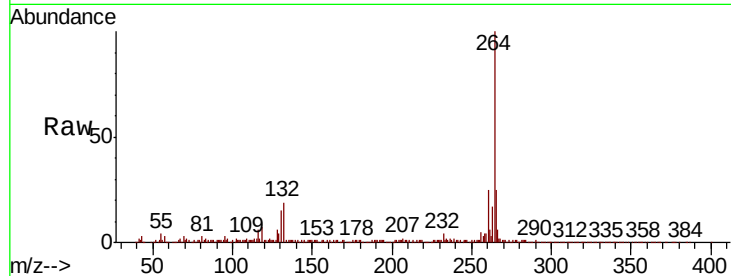
Tot Ion:264 Resp: 362844

Ion Ratio Lower Upper

264 100

260 24.6 18.4 27.6

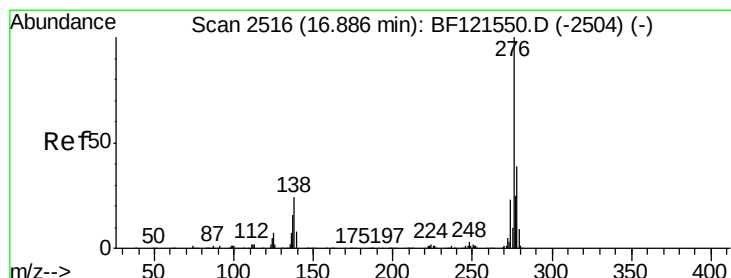
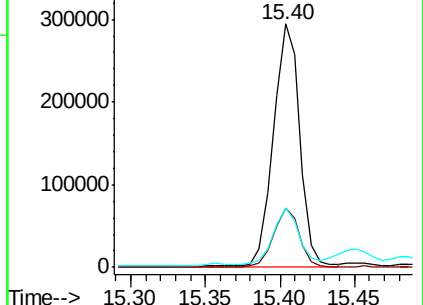
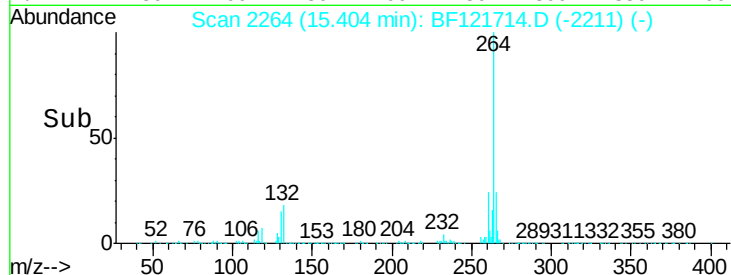
265 24.5 17.2 25.8



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: 23.398 ng

RT: 16.83 min Scan# 2507

Delta R.T. 0.01 min

Lab File: BF121714.D

Acq: 28 Sep 2020 16:09

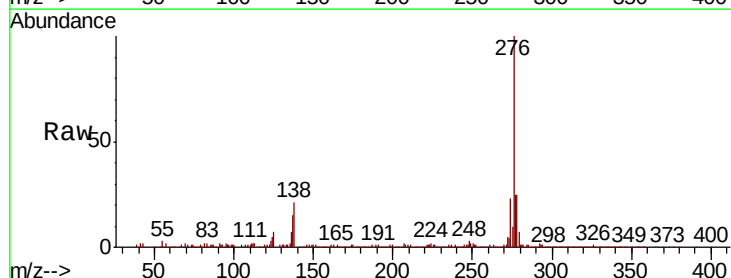
Tgt Ion:276 Resp: 552886

Ion Ratio Lower Upper

276 100

138 20.1 19.5 29.3

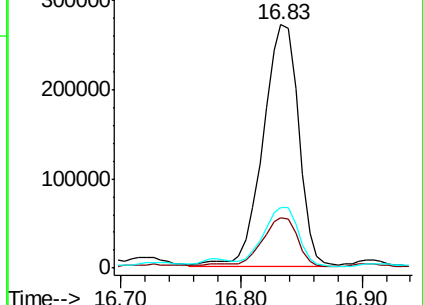
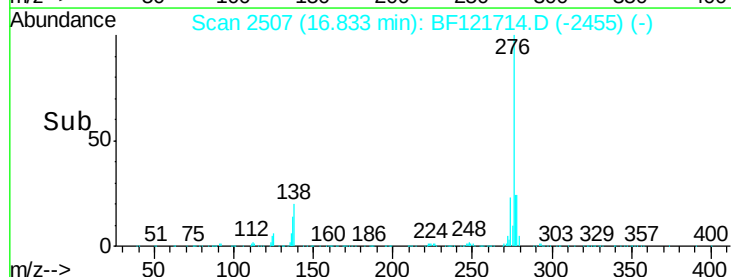
277 24.2 20.2 30.4

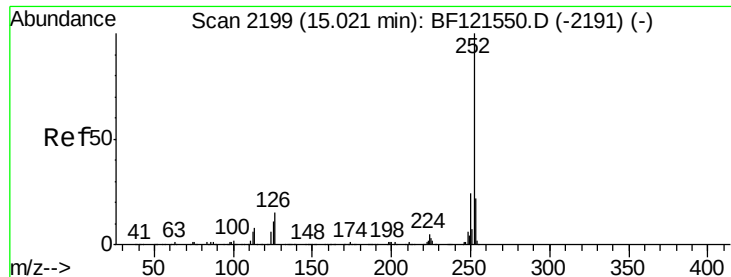


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

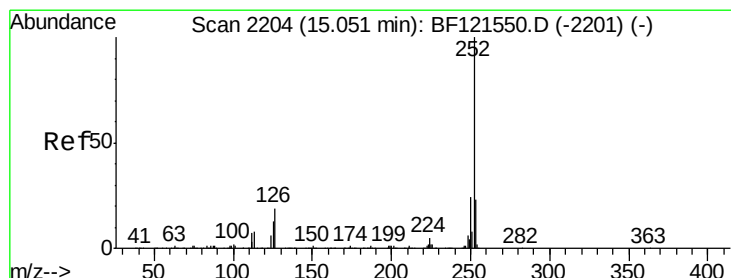
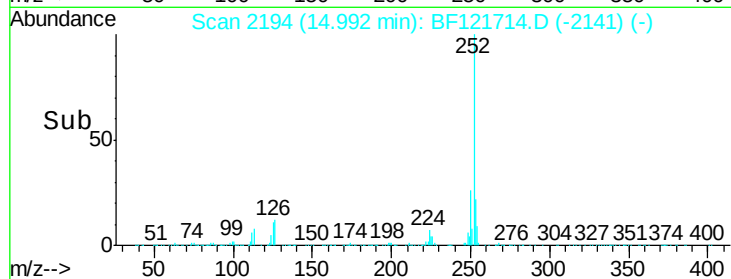
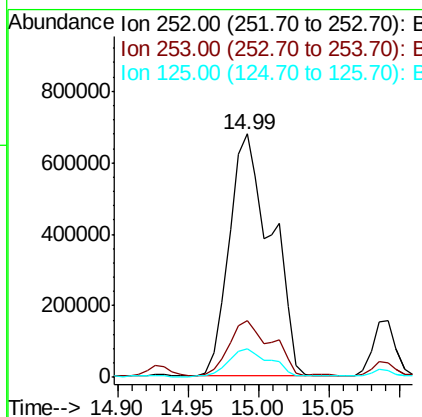
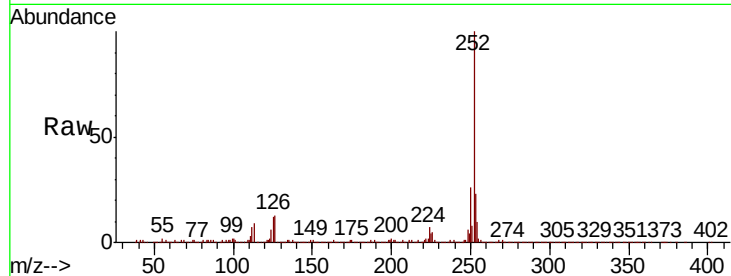




#88
Benzo(b)fluoranthene
Concen: 58.084 ng
RT: 14.99 min Scan# 2194
Delta R.T. 0.01 min
Lab File: BF121714.D
Acq: 28 Sep 2020 16:09

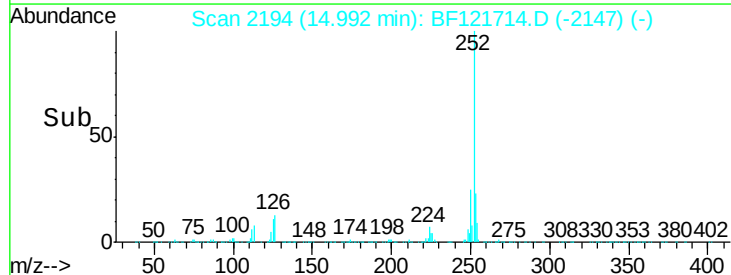
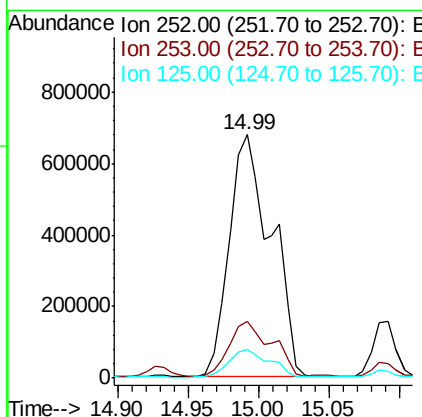
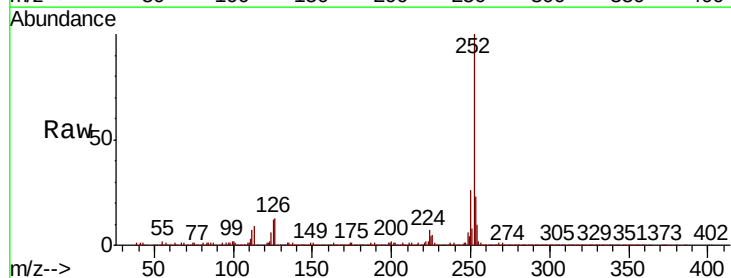
Instrument :
BNA_F
ClientSampleId :
B-4(12-14)

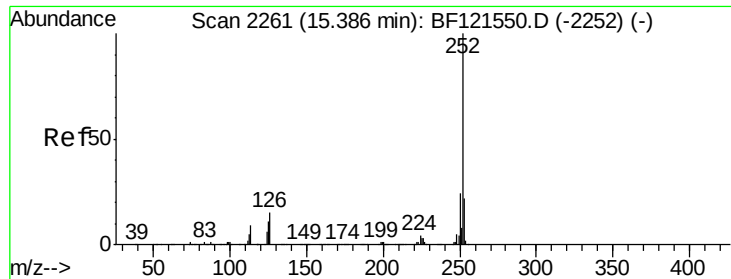
Tot Ion:252 Resp: 1408920
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.6
125 11.7 8.6 13.0



#89
Benzo(k)fluoranthene
Concen: 63.429 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.02 min
Lab File: BF121714.D
Acq: 28 Sep 2020 16:09

Tgt Ion:252 Resp: 1408920
Ion Ratio Lower Upper
252 100
253 23.1 17.6 26.4
125 11.7 7.1 10.7#





#90

Benzo(a)pyrene

Concen: 42.690 ng

RT: 15.35 min Scan# 2255

Delta R.T. 0.01 min

Lab File: BF121714.D

Acq: 28 Sep 2020 16:09

Instrument :

BNA_F

ClientSampleId :

B-4(12-14)

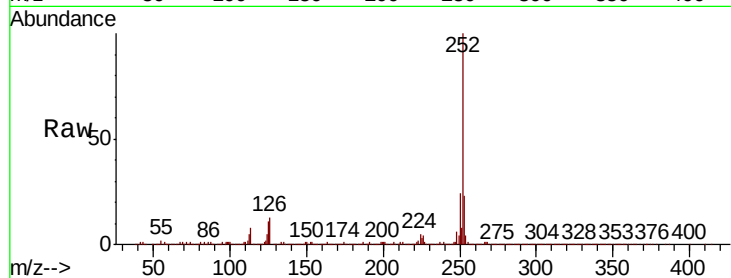
Tot Ion:252 Resp: 880215

Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.2

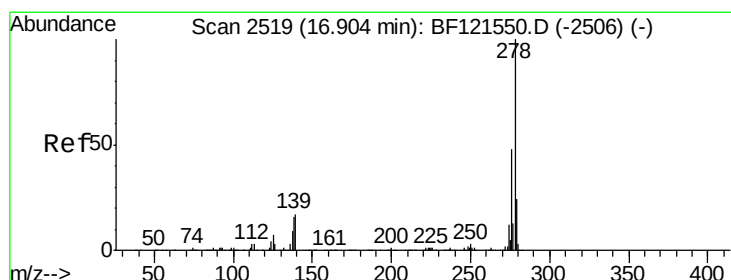
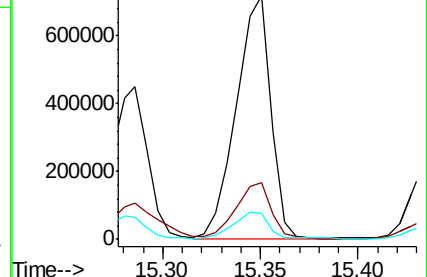
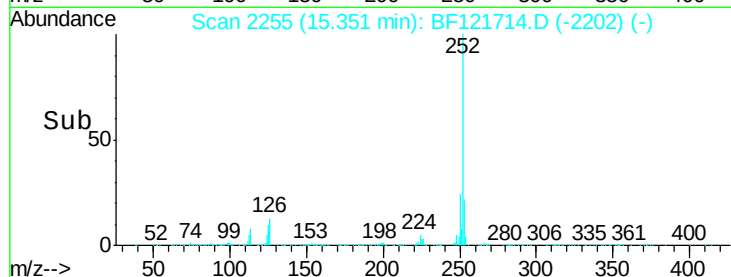
125 10.5 9.2 13.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Dibenzo(a,h)anthracene

Concen: 6.430 ng

RT: 17.00 min Scan# 2535

Delta R.T. 0.16 min

Lab File: BF121714.D

Acq: 28 Sep 2020 16:09

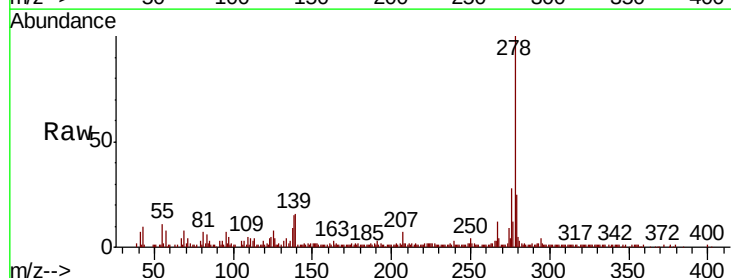
Tgt Ion:278 Resp: 126484

Ion Ratio Lower Upper

278 100

139 16.2 13.0 19.4

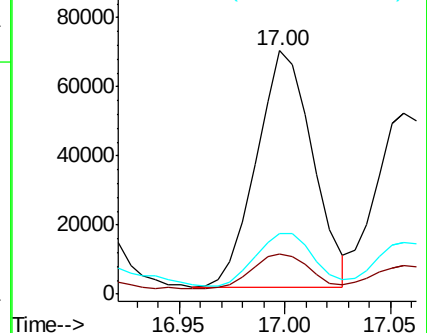
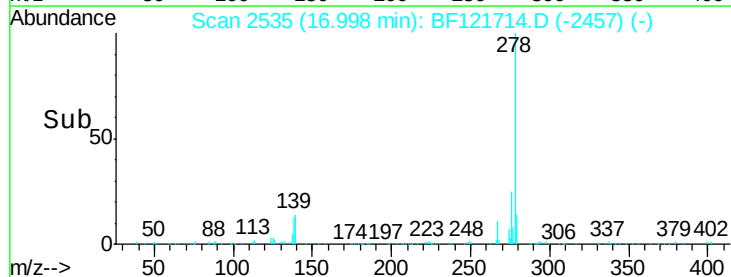
279 25.0 19.3 28.9

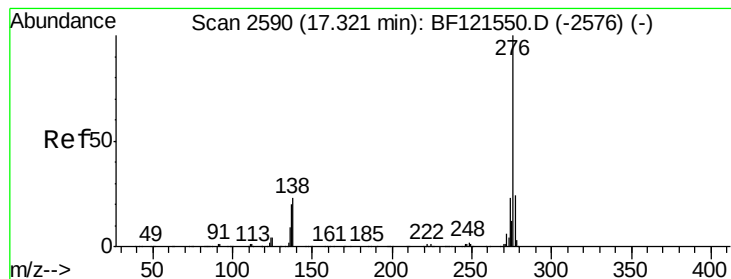


Abundance Ion 278.00 (277.70 to 278.70): E

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: 26.372 ng

RT: 17.27 min Scan# 2581

Delta R.T. 0.01 min

Lab File: BF121714.D

Acq: 28 Sep 2020 16:09

Instrument :

BNA_F

ClientSampleId :

B-4(12-14)

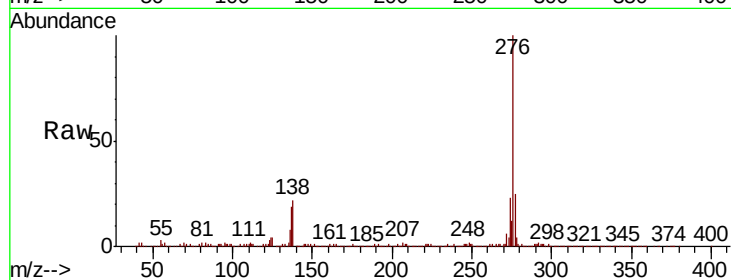
Tot Ion: 276 Resp: 509903

Ion Ratio Lower Upper

276 100

277 24.9 18.8 28.2

138 22.1 16.6 25.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

