

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
 Data File : BF121127.D
 Acq On : 30 Jul 2020 14:36
 Operator : JU/CG
 Sample : L3183-22
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

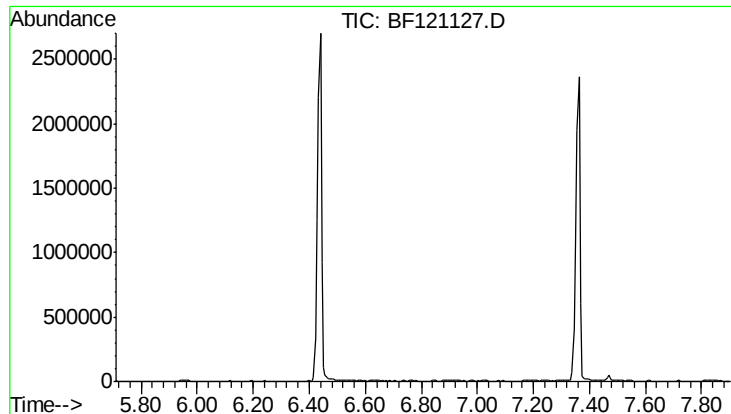
Instrument :
 BNA_F
 ClientSampleId :
 OK-02-072820

Quant Time: Jul 30 15:45:51 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	0.00	152	0	0.00	ng	-6.80
21) Naphthalene-d8	0.00	136	0	0.00	ng	-8.09
39) Acenaphthene-d10	0.00	164	0	0.00	ng	-9.84
64) Phenanthrene-d10	11.31	188	520	20.00	ng	-0.01
76) Chrysene-d12	13.96	240	117	20.00	ng	0.00
86) Perylene-d12	15.41	264	1259	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	934619	0.00	ng	0.01
7) Phenol-d6	6.44	99	1019179	0.00	ng	0.00
23) Nitrobenzene-d5	7.36	82	796878	0.00	ng	-0.01
42) 2,4,6-Tribromophenol	10.63	330	407648	0.00	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1344389	0.00	ng	0.00
79) Terphenyl-d14	12.92	244	1615715	300189.18	ng	0.00
Target Compounds						
65) 4,6-Dinitro-2-methylphenol	10.63	198	720	223.929	ng	# 1
66) n-Nitrosodiphenylamine	10.63	169	11566	707.047	ng	# 48
67) 4-Bromophenyl-phenylether	10.63	248	23604	4071.345	ng	# 1
70) Pentachlorophenol	11.13	266	451	125.528	ng	# 19
71) Phenanthrene	11.34	178	1671	62.482	ng	# 97
72) Anthracene	11.34	178	1671	62.224	ng	# 98
73) Carbazole	11.55	167	1281	48.066	ng	# 82
74) Di-n-butylphthalate	11.89	149	7526	244.709	ng	# 90
75) Fluoranthene	12.53	202	1538	51.883	ng	# 35
77) Benzidine	12.66	184	4673	1519.112	ng	# 1
78) Pyrene	12.76	202	1623	196.205	ng	# 82
80) Butylbenzylphthalate	13.38	149	636	172.474	ng	# 41
81) Benzo(a)anthracene	13.95	228	1455	205.366	ng	# 87
82) 3,3'-Dichlorobenzidine	13.92	252	927	346.808	ng	# 82
83) Chrysene	13.99	228	1621	217.715	ng	# 90
84) Bis(2-ethylhexyl)phthalate	13.94	149	3708	815.459	ng	# 92
85) Di-n-octyl phthalate	14.55	149	2329	257.445	ng	# 77
87) Indeno(1,2,3-cd)pyrene	16.84	276	7498	85.634	ng	# 84
88) Benzo(b)fluoranthene	14.99	252	3742	49.171	ng	# 73
89) Benzo(k)fluoranthene	15.02	252	3035	43.729	ng	# 52
90) Benzo(a)pyrene	15.34	252	3192	45.973	ng	# 58
91) Dibenzo(a,h)anthracene	16.86	278	5503	76.941	ng	# 93
92) Benzo(g,h,i)perylene	17.26	276	7430	105.359	ng	# 92

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

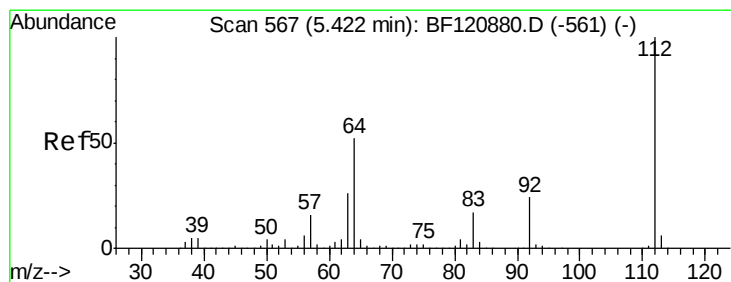
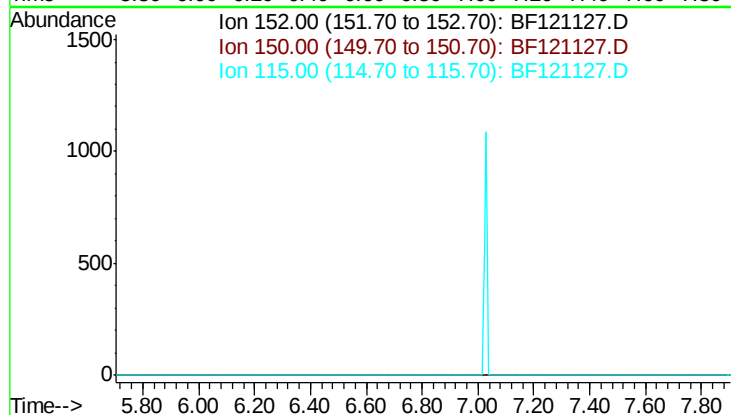
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
Data File : BF121127.D
Acq On : 30 Jul 2020 14:36
Operator : JU/CG
Sample : L3183-22
Misc :
ALS Vial : 3 Sample Multiplier: 1



#1
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ng
 Expected RT: 6.80 min
 Lab File: BF121127.D
 Acq: 30 Jul 2020 14:36

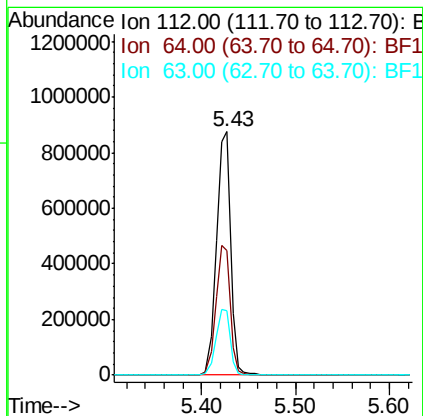
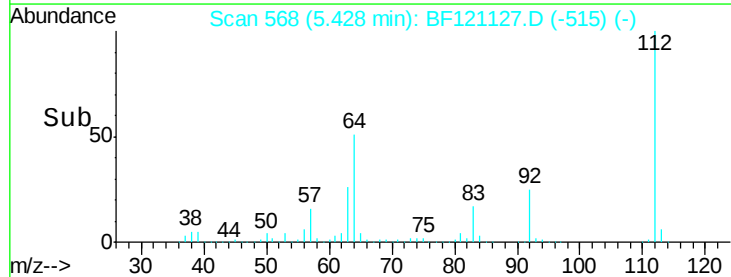
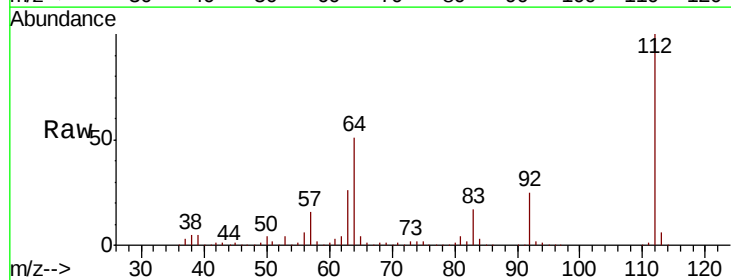
Instrument :
 BNA_F
 ClientSampleId :
 OK-02-072820

Tot Ion: 152
 Sig Exp Ratio
 152 100
 150 157.0
 115 57.7



#5
 2-Fluorophenol
 Concen: 0.000 ng
 RT: 5.43 min Scan# 568
 Delta R.T. 0.01 min
 Lab File: BF121127.D
 Acq: 30 Jul 2020 14:36

Tgt Ion: 112 Resp: 934619
 Ion Ratio Lower Upper
 112 100
 64 51.4 43.9 65.9
 63 26.4 22.7 34.1





#7

Phenol-d6

Concen: 0.000 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF121127.D

Acq: 30 Jul 2020 14:36

Instrument :

BNA_F

ClientSampleId :

OK-02-072820

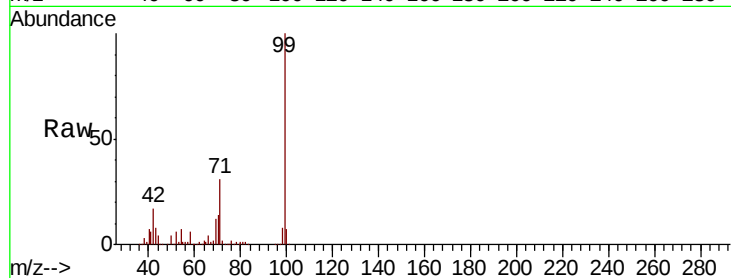
Tot Ion: 99 Resp: 1019179

Ion Ratio Lower Upper

99 100

42 16.5 13.5 20.3

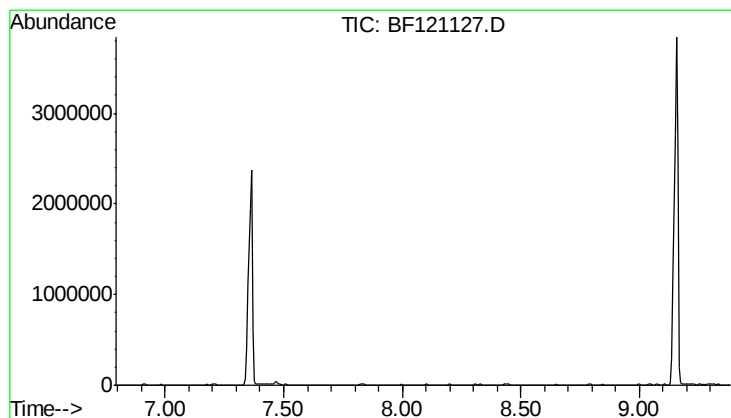
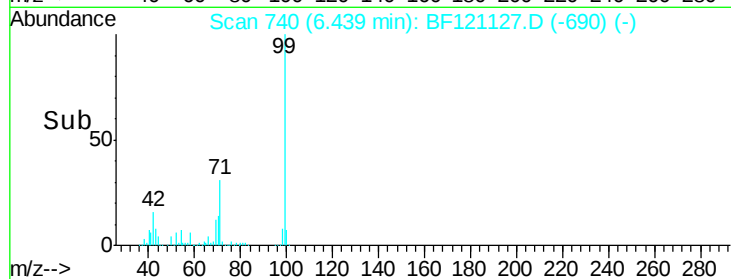
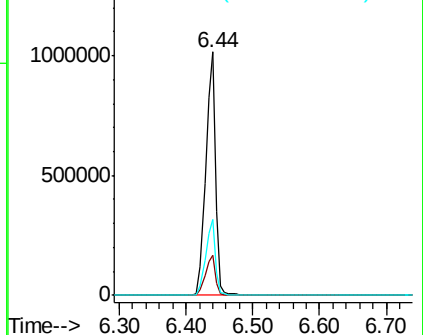
71 31.0 25.0 37.4



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 0.000 ng

Expected RT: 8.09 min

Lab File: BF121127.D

Acq: 30 Jul 2020 14:36

Tgt Ion: 136

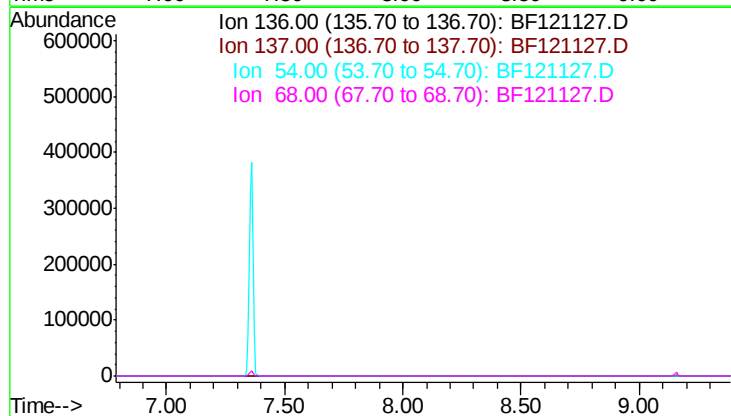
Sig Exp Ratio

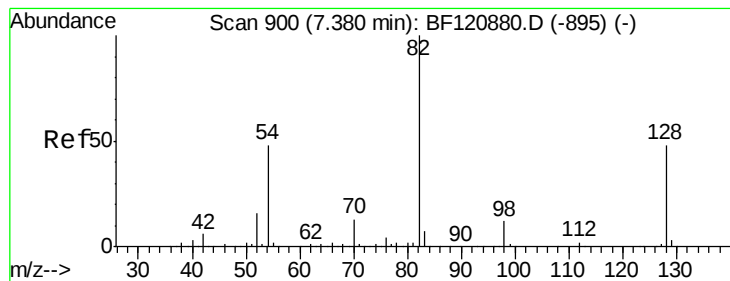
136 100

137 11.2

54 7.6

68 6.3





#23

Nitrobenzene-d5

Concen: 0.000 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.01 min

Lab File: BF121127.D

Acq: 30 Jul 2020 14:36

Instrument :

BNA_F

ClientSampleId :

OK-02-072820

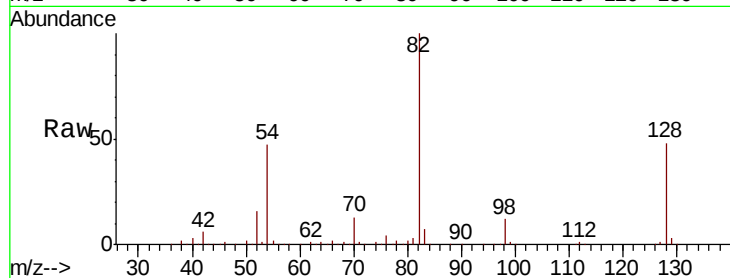
Tot Ion: 82 Resp: 796878

Ion Ratio Lower Upper

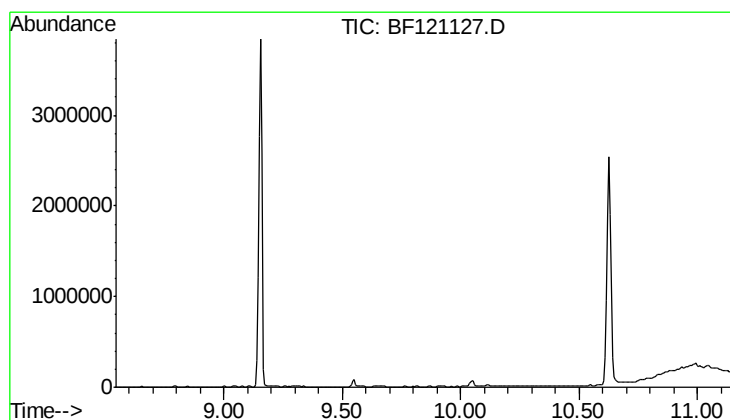
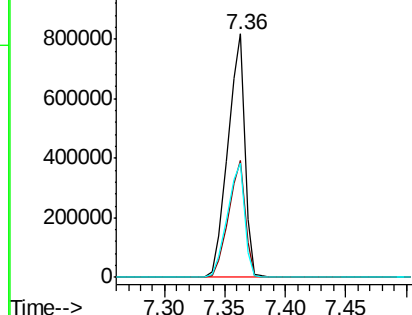
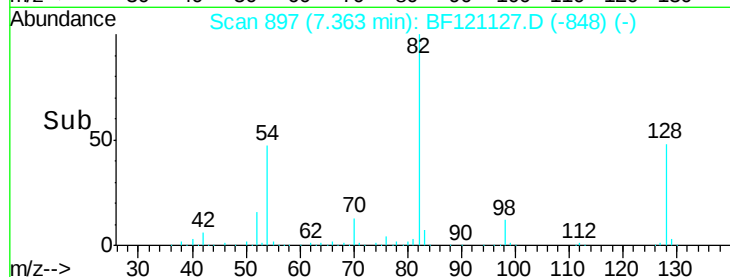
82 100

128 48.3 39.2 58.8

54 46.7 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



#39

Acenaphthene-d10

Concen: 0.000 ng

Expected RT: 9.84 min

Lab File: BF121127.D

Acq: 30 Jul 2020 14:36

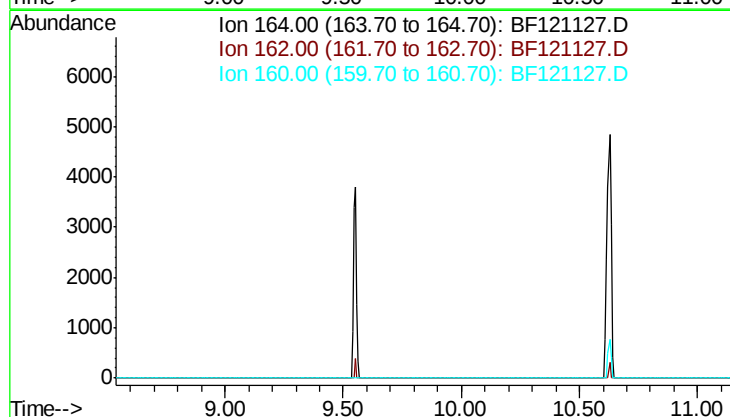
Tgt Ion: 164

Sig Exp Ratio

164 100

162 102.7

160 46.5

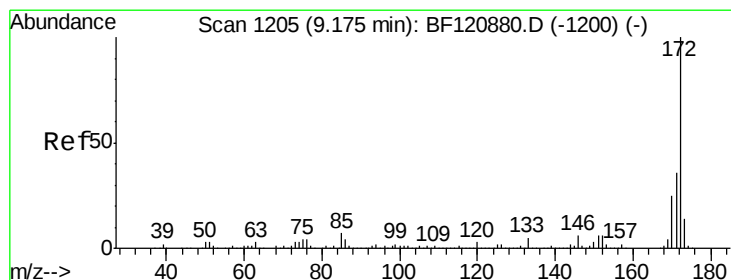
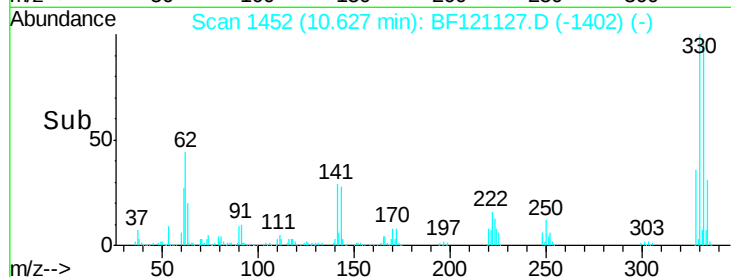
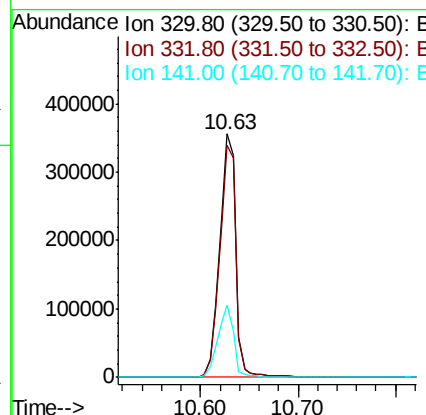
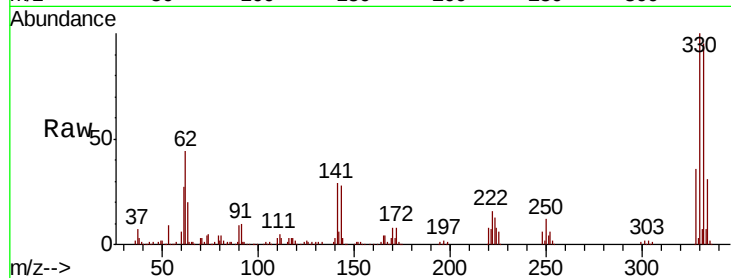




#42
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF121127.D
 Acq: 30 Jul 2020 14:36

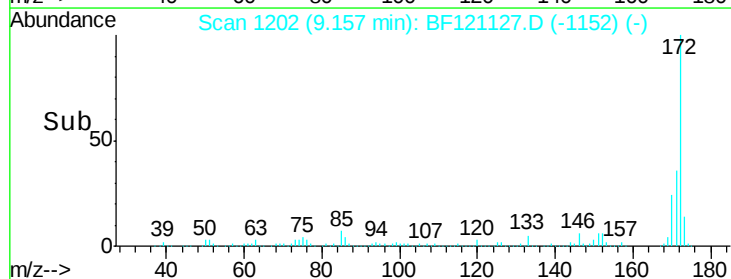
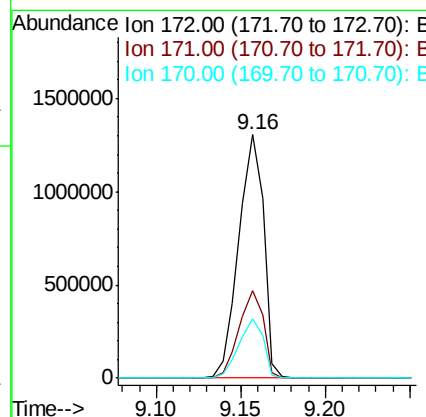
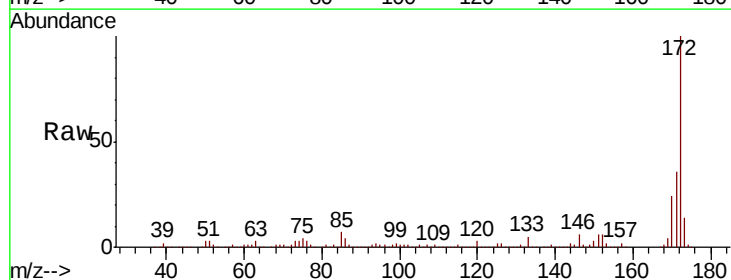
Instrument :
 BNA_F
 ClientSampleId :
 OK-02-072820

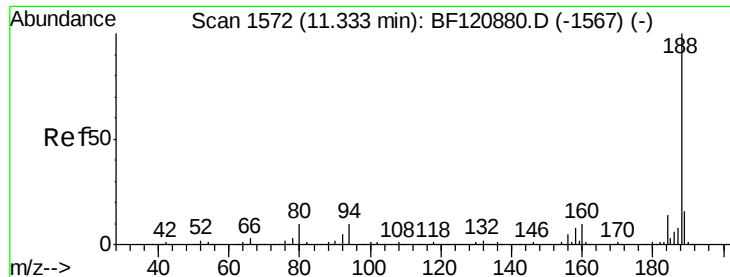
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.1	114.1
141	29.7	24.1	36.1



#45
 2-Fluorobiphenyl
 Concen: 0.000 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF121127.D
 Acq: 30 Jul 2020 14:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.0	43.4
170	24.5	19.6	29.4

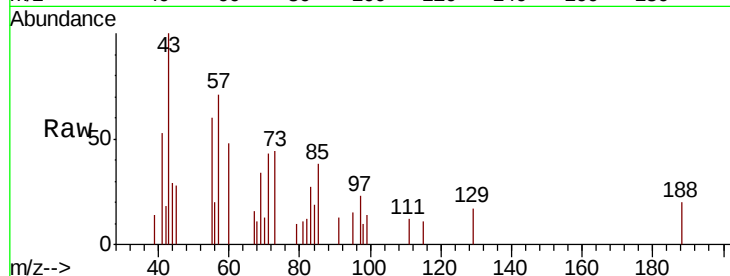




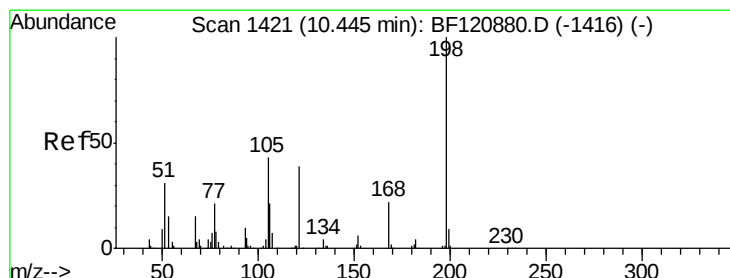
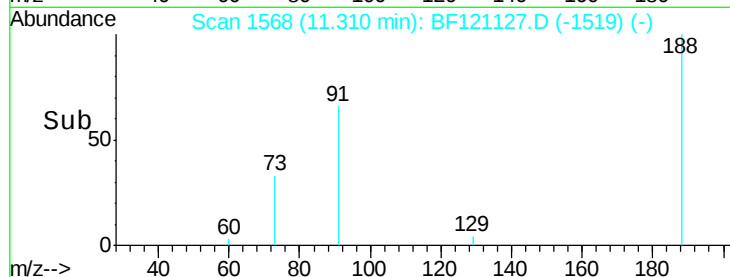
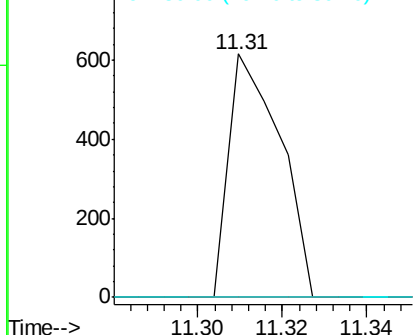
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF121127.D
Acq: 30 Jul 2020 14:36

Instrument :
BNA_F
ClientSampleId :
OK-02-072820

Tot Ion:188 Resp: 520
Ion Ratio Lower Upper
188 100
94 0.0 8.0 12.0#
80 0.0 8.3 12.5#

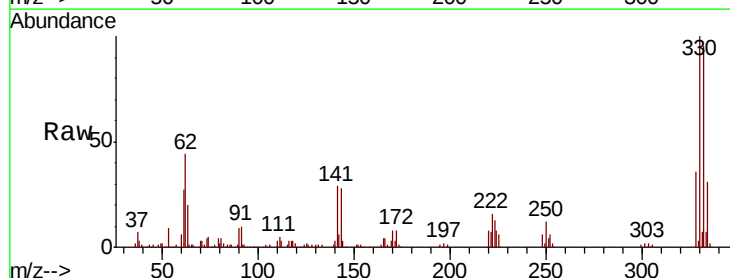


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

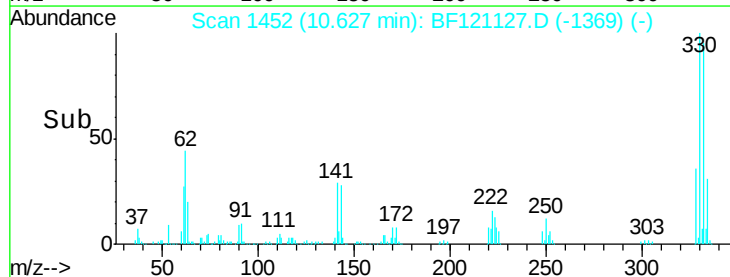
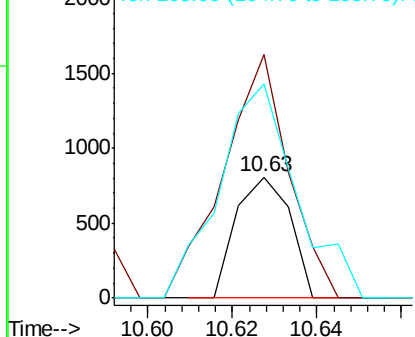


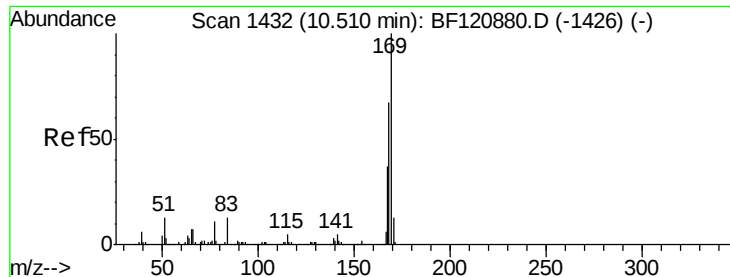
#65
4,6-Dinitro-2-methylphenol
Concen: 223.929 ng
RT: 10.63 min Scan# 1452
Delta R.T. 0.19 min
Lab File: BF121127.D
Acq: 30 Jul 2020 14:36

Tgt Ion:198 Resp: 720
Ion Ratio Lower Upper
198 100
51 200.9 23.4 63.4#
105 176.3 23.7 63.7#



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





#66

n-Nitrosodiphenylamine

Concen: 707.047 ng

RT: 10.63 min Scan# 1452

Delta R.T. 0.12 min

Lab File: BF121127.D

Acq: 30 Jul 2020 14:36

Instrument :

BNA_F

ClientSampleId :

OK-02-072820

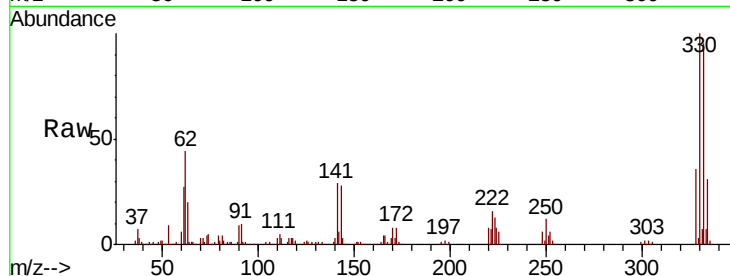
Tot Ion:169 Resp: 11566

Ion Ratio Lower Upper

169 100

168 8.8 53.7 80.5#

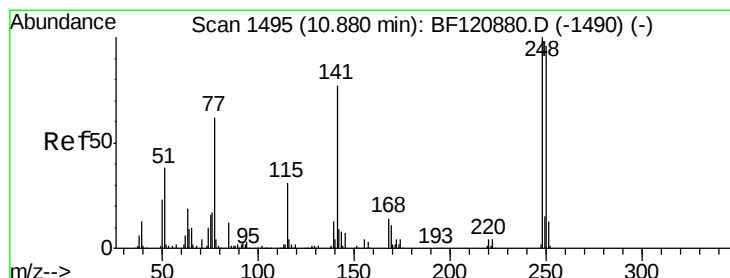
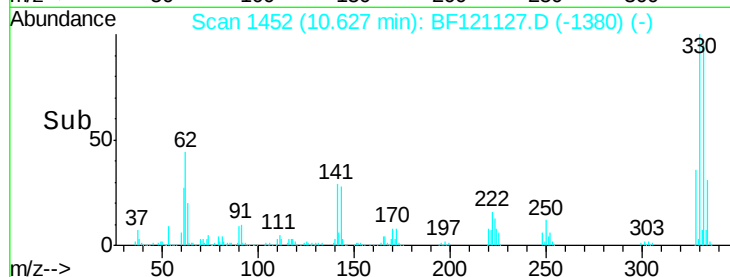
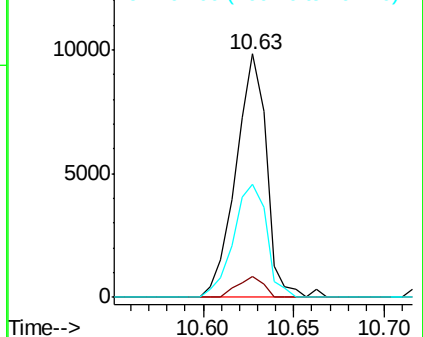
167 46.6 30.0 45.0#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#67

4-Bromophenyl-phenylether

Concen: 4071.345 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.24 min

Lab File: BF121127.D

Acq: 30 Jul 2020 14:36

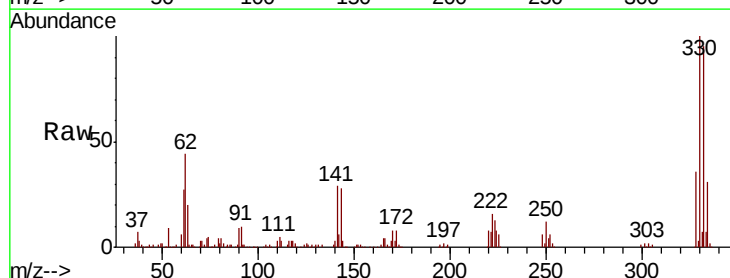
Tgt Ion:248 Resp: 23604

Ion Ratio Lower Upper

248 100

250 194.7 77.0 115.6#

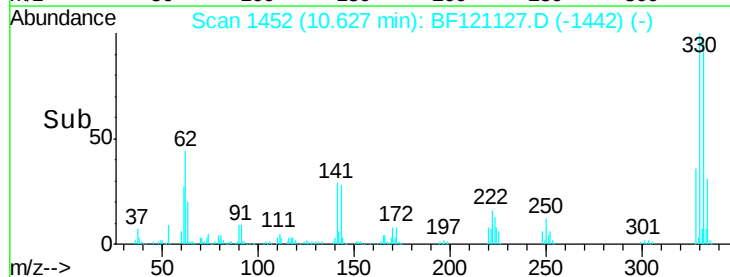
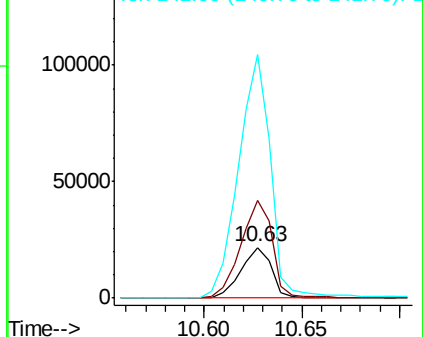
141 483.2 56.6 85.0#

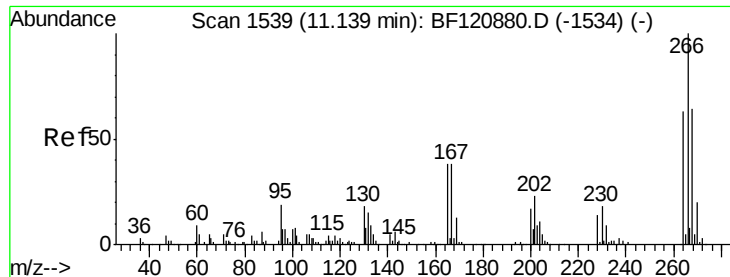


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

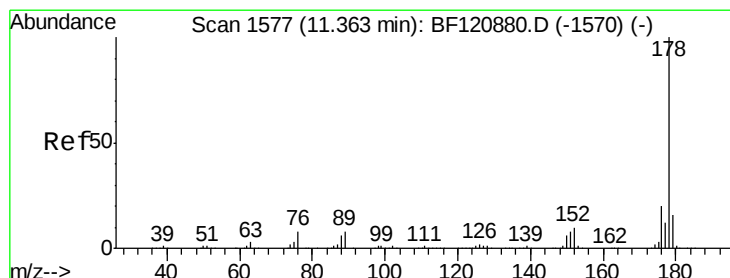
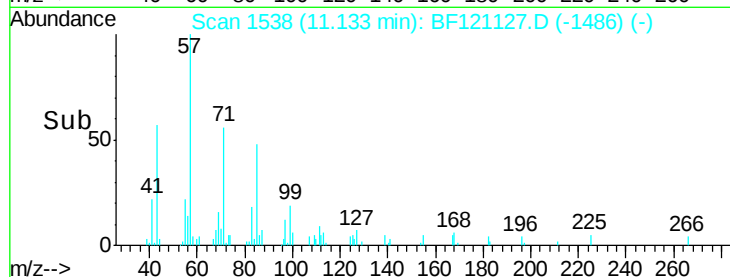
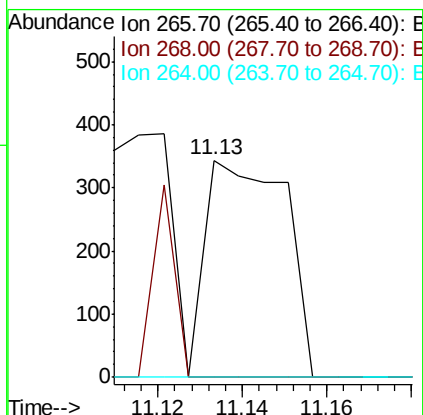
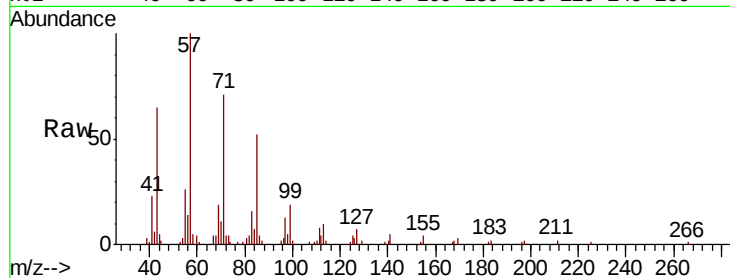




#70
 Pentachlorophenol
 Concen: 125.528 ng
 RT: 11.13 min Scan# 1538
 Delta R.T. 0.01 min
 Lab File: BF121127.D
 Acq: 30 Jul 2020 14:36

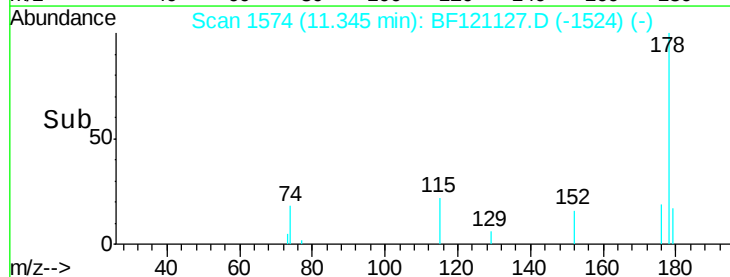
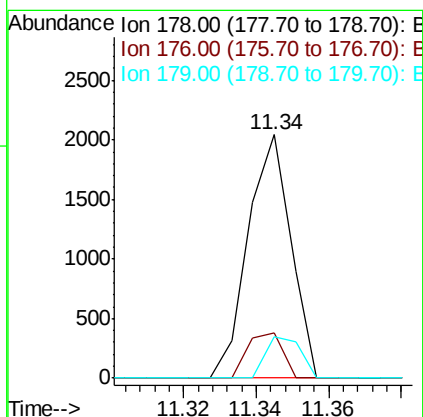
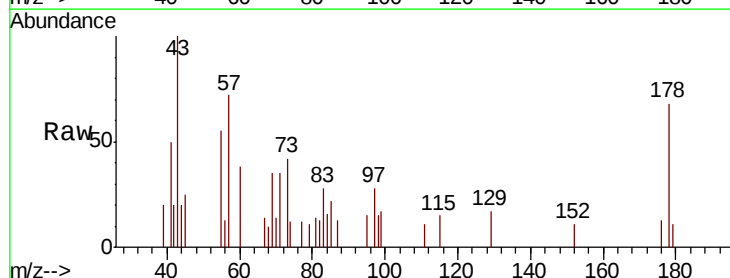
Instrument :
 BNA_F
 ClientSampleId :
 OK-02-072820

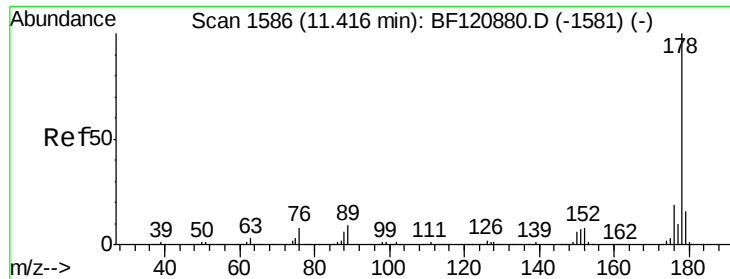
Tot Ion:266 Resp: 451
 Ion Ratio Lower Upper
 266 100
 268 0.0 49.7 74.5#
 264 0.0 50.4 75.6#



#71
 Phenanthrene
 Concen: 62.482 ng
 RT: 11.34 min Scan# 1574
 Delta R.T. -0.01 min
 Lab File: BF121127.D
 Acq: 30 Jul 2020 14:36

Tgt Ion:178 Resp: 1671
 Ion Ratio Lower Upper
 178 100
 176 18.7 16.2 24.2
 179 16.8 12.6 19.0

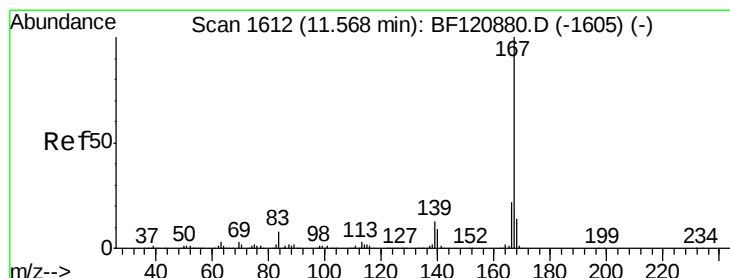
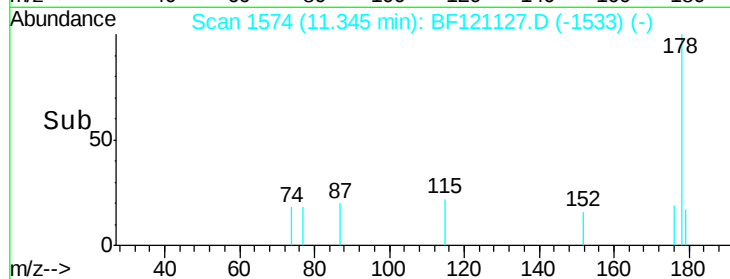
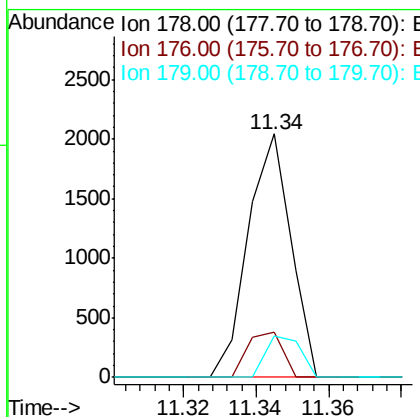
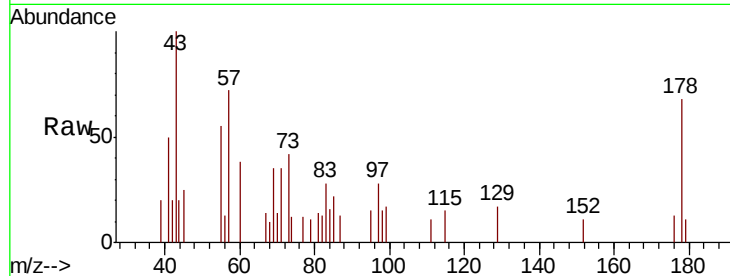




#72
 Anthracene
 Concen: 62.224 ng
 RT: 11.34 min Scan# 1574
 Delta R.T. -0.06 min
 Lab File: BF121127.D
 Acq: 30 Jul 2020 14:36

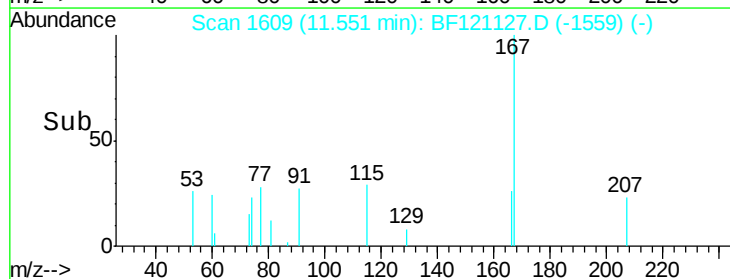
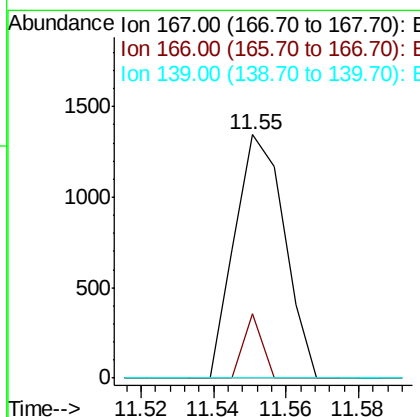
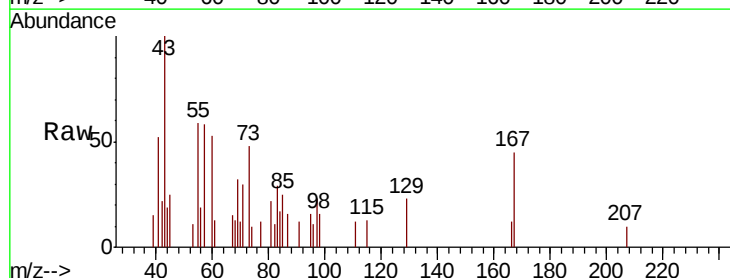
Instrument :
 BNA_F
 ClientSampleId :
 OK-02-072820

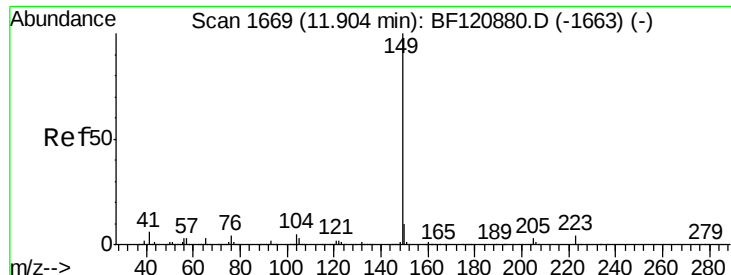
Tot Ion:178 Resp: 1671
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.8 23.8
 179 16.8 12.6 19.0



#73
 Carbazole
 Concen: 48.066 ng
 RT: 11.55 min Scan# 1609
 Delta R.T. -0.01 min
 Lab File: BF121127.D
 Acq: 30 Jul 2020 14:36

Tgt Ion:167 Resp: 1281
 Ion Ratio Lower Upper
 167 100
 166 26.2 17.5 26.3
 139 0.0 10.5 15.7#





#74

Di-n-butylphthalate

Concen: 244.709 ng

RT: 11.89 min Scan# 1666

Delta R.T. -0.00 min

Lab File: BF121127.D

Acq: 30 Jul 2020 14:36

Instrument :

BNA_F

ClientSampleId :

OK-02-072820

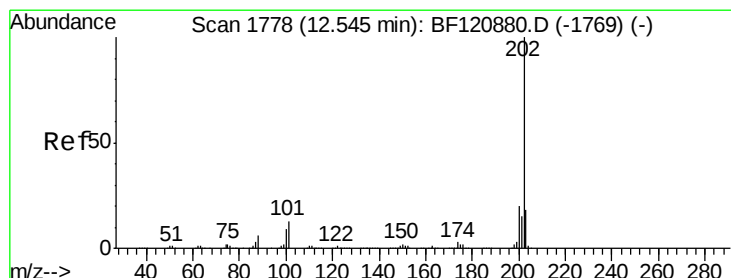
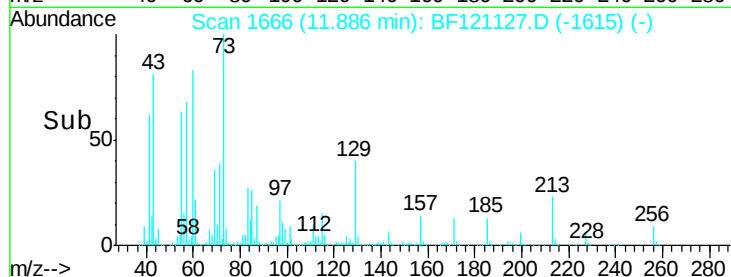
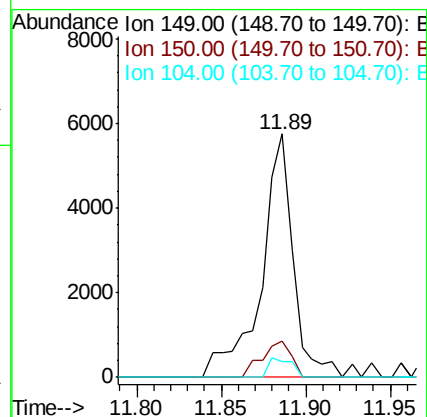
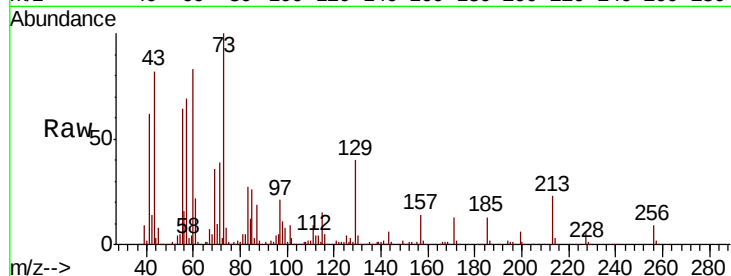
Tot Ion:149 Resp: 7526

Ion Ratio Lower Upper

149 100

150 14.7 7.8 11.8#

104 6.5 3.9 5.9#



#75

Fluoranthene

Concen: 51.883 ng

RT: 12.53 min Scan# 1776

Delta R.T. -0.01 min

Lab File: BF121127.D

Acq: 30 Jul 2020 14:36

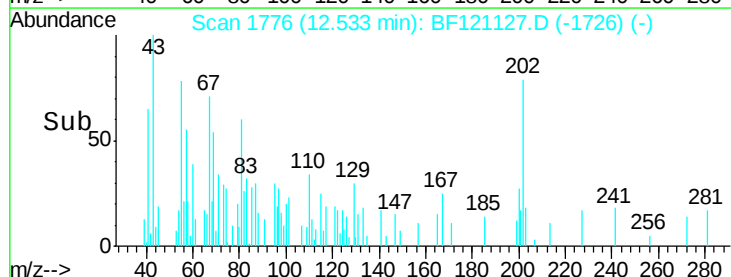
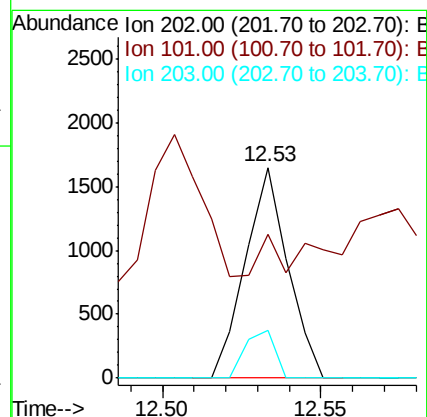
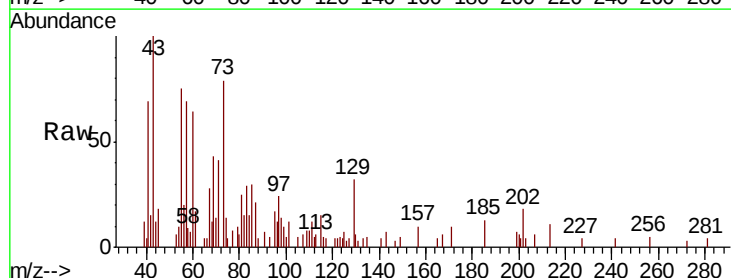
Tgt Ion:202 Resp: 1538

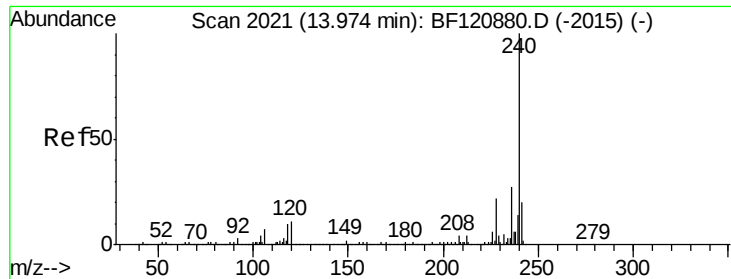
Ion Ratio Lower Upper

202 100

101 68.2 0.0 30.5#

203 22.8 0.0 37.7

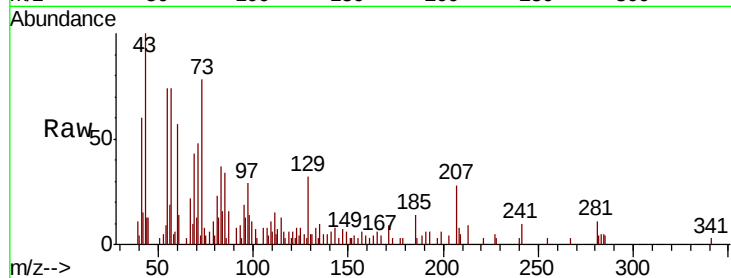




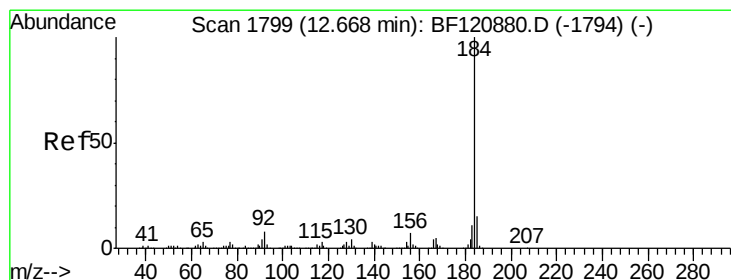
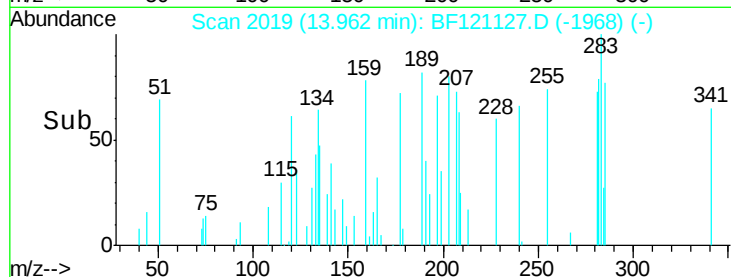
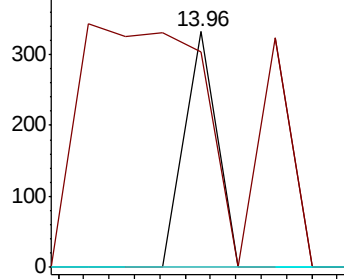
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.00 min
Lab File: BF121127.D
Acq: 30 Jul 2020 14:36

Instrument :
BNA_F
ClientSampleId :
OK-02-072820

Tot Ion:240 Resp: 117
Ion Ratio Lower Upper
240 100
120 91.3 9.3 13.9#
236 0.0 21.1 31.7#

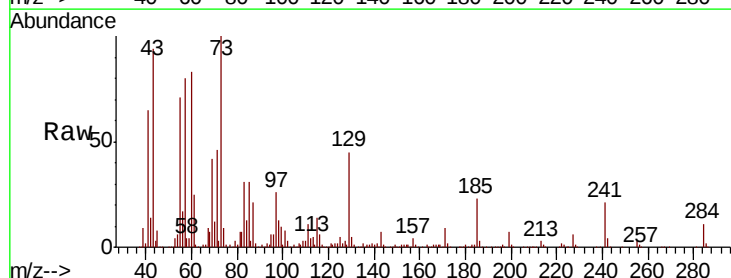


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

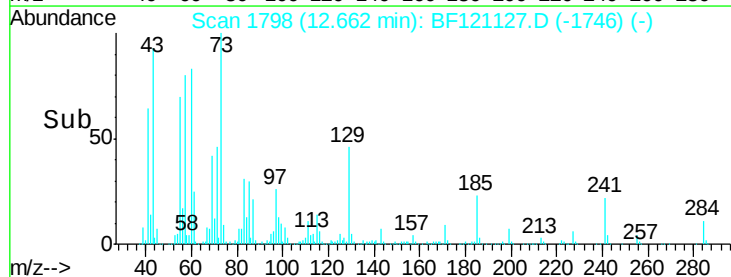
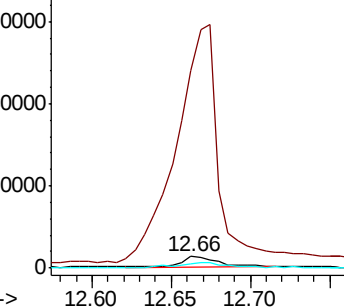


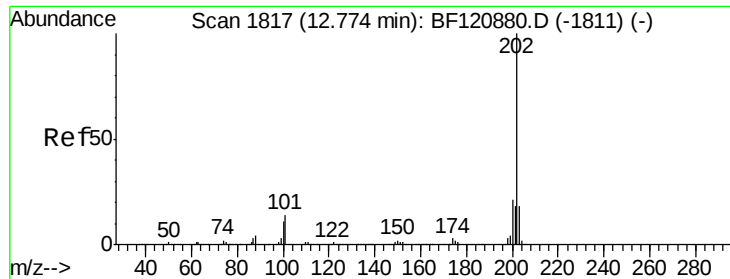
#77
Benzidine
Concen: 1519.112 ng
RT: 12.66 min Scan# 1798
Delta R.T. 0.01 min
Lab File: BF121127.D
Acq: 30 Jul 2020 14:36

Tgt Ion:184 Resp: 4673
Ion Ratio Lower Upper
184 100
185 1688.0 12.1 18.1#
183 40.2 9.0 13.4#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

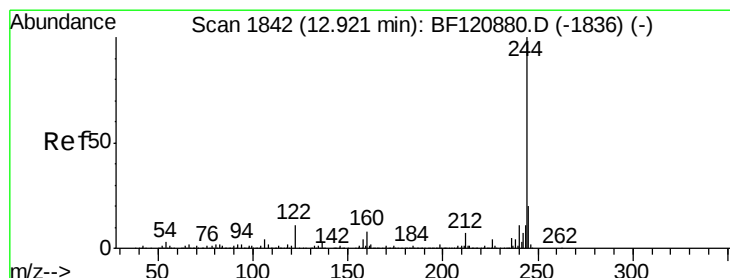
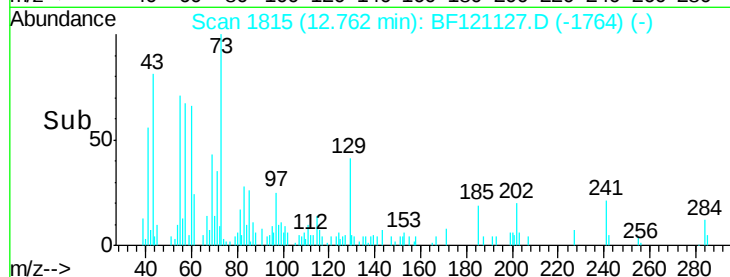
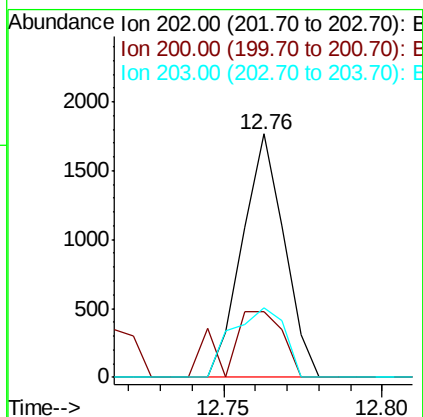
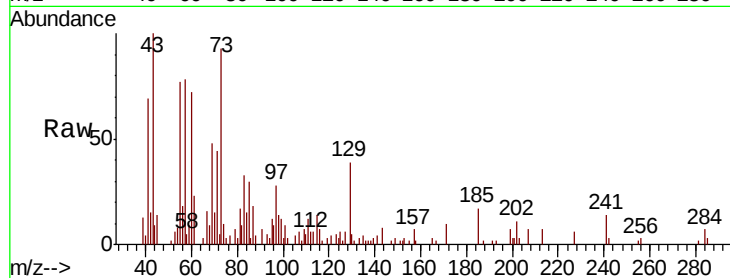




#78
Pvrene
Concen: 196.205 ng
RT: 12.76 min Scan# 1815
Delta R.T. -0.00 min
Lab File: BF121127.D
Acq: 30 Jul 2020 14:36

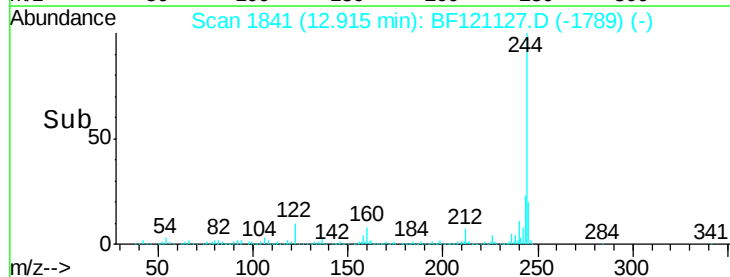
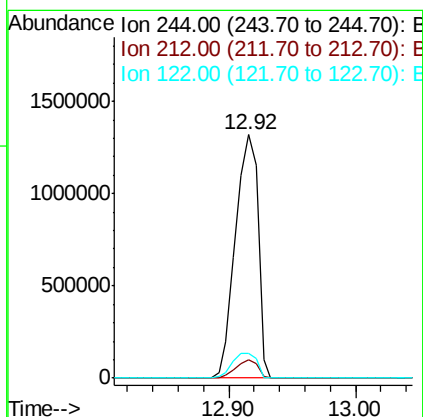
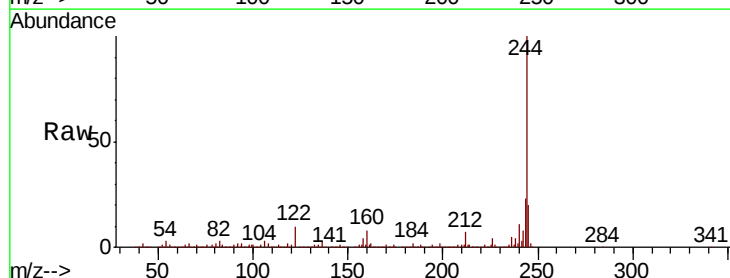
Instrument :
BNA_F
ClientSampleId :
OK-02-072820

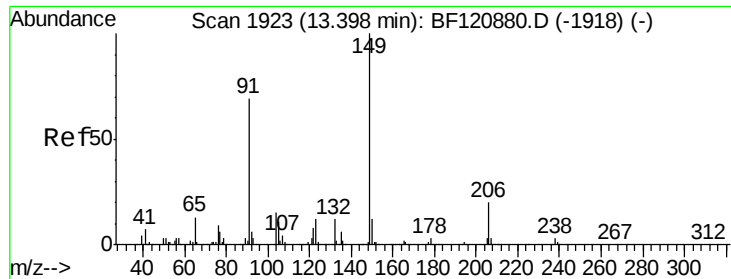
Tot Ion:202 Resp: 1623
Ion Ratio Lower Upper
202 100
200 27.1 17.0 25.6#
203 28.7 14.6 21.8#



#79
Terphenyl-d14
Concen: 300189.182 ng
RT: 12.92 min Scan# 1841
Delta R.T. 0.01 min
Lab File: BF121127.D
Acq: 30 Jul 2020 14:36

Tgt Ion:244 Resp: 1615715
Ion Ratio Lower Upper
244 100
212 7.3 5.7 8.5
122 10.4 8.3 12.5

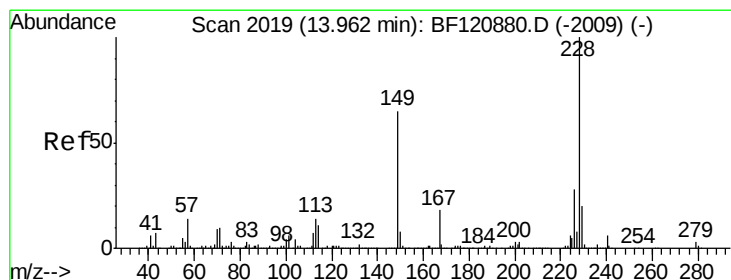
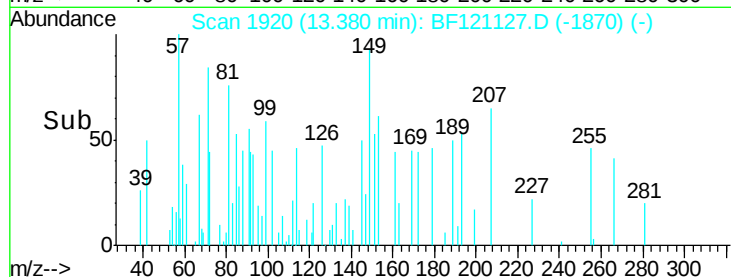
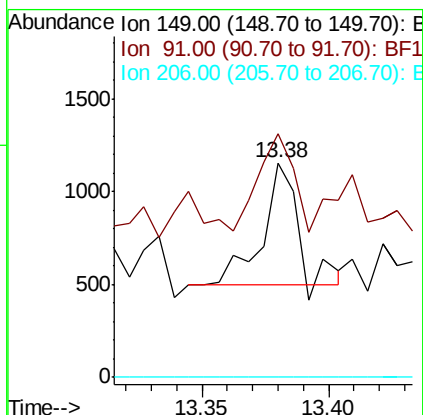
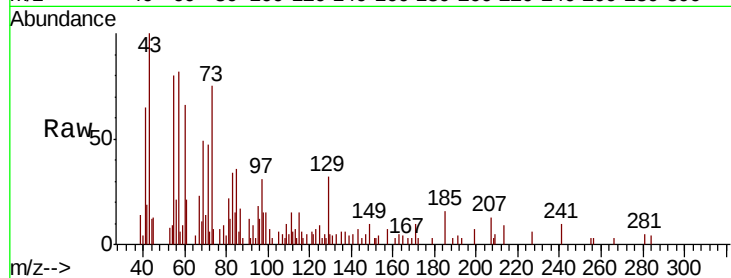




#80
Butylbenzylphthalate
Concen: 172.474 ng
RT: 13.38 min Scan# 1920
Delta R.T. -0.01 min
Lab File: BF121127.D
Acq: 30 Jul 2020 14:36

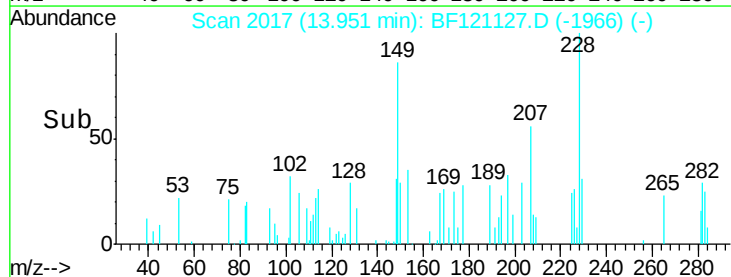
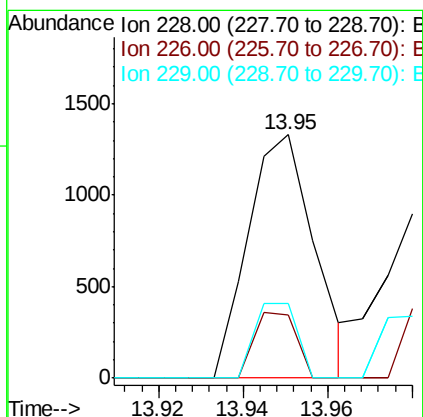
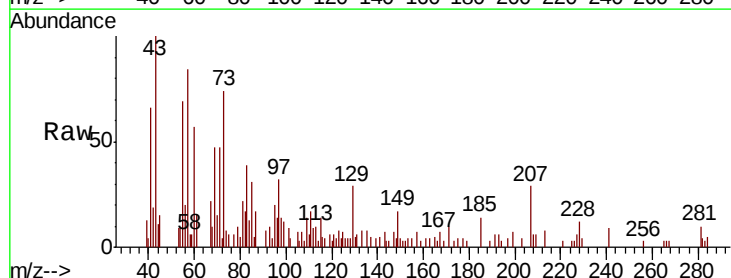
Instrument :
BNA_F
ClientSampleId :
OK-02-072820

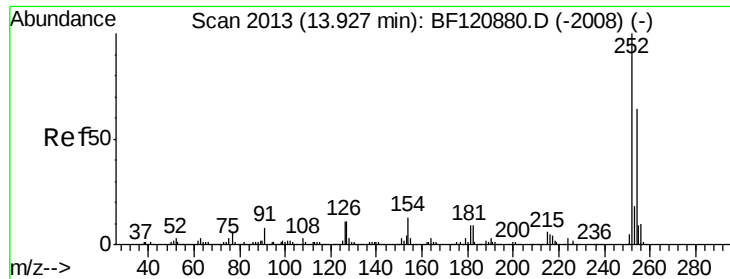
Tot Ion:149 Resp: 636
Ion Ratio Lower Upper
149 100
91 113.5 51.4 77.0#
206 0.0 17.9 26.9#



#81
Benzo(a)anthracene
Concen: 205.366 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.00 min
Lab File: BF121127.D
Acq: 30 Jul 2020 14:36

Tgt Ion:228 Resp: 1455
Ion Ratio Lower Upper
228 100
226 25.8 22.6 34.0
229 30.9 16.1 24.1#

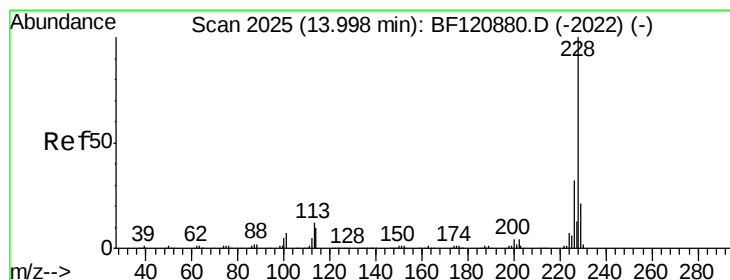
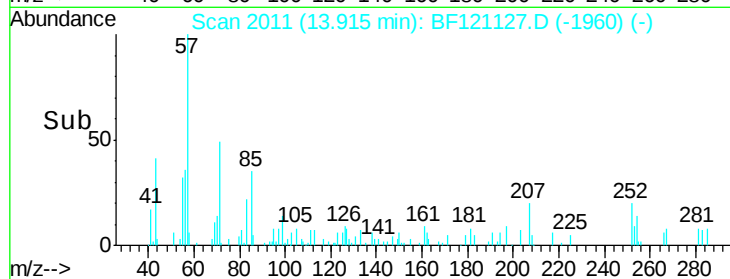
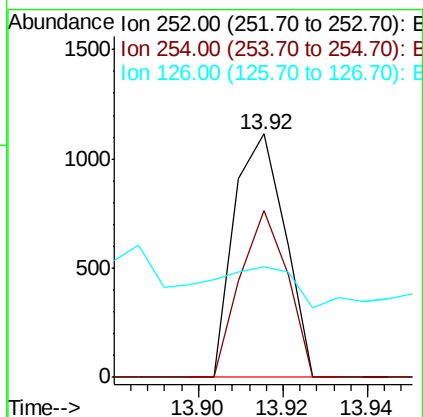
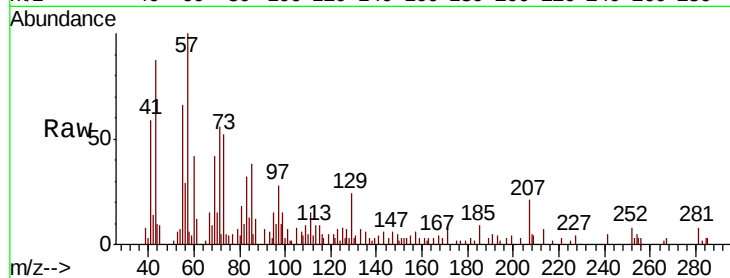




#82
 3,3'-Dichlorobenzidine
 Concen: 346.808 ng
 RT: 13.92 min Scan# 2011
 Delta R.T. -0.00 min
 Lab File: BF121127.D
 Acq: 30 Jul 2020 14:36

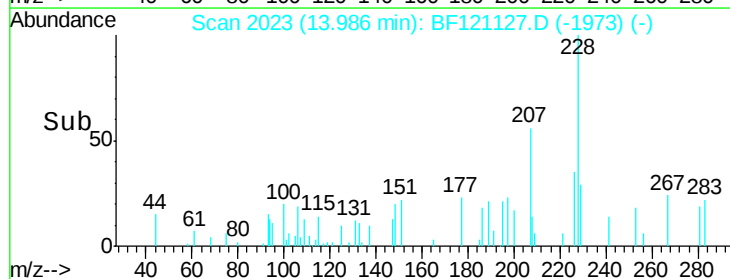
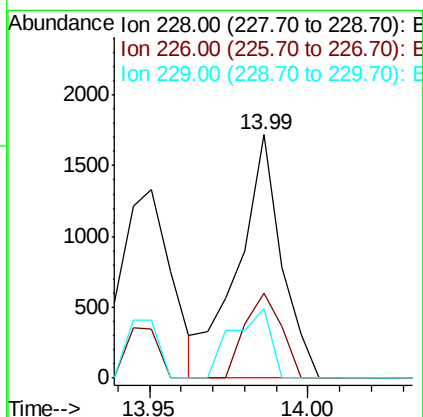
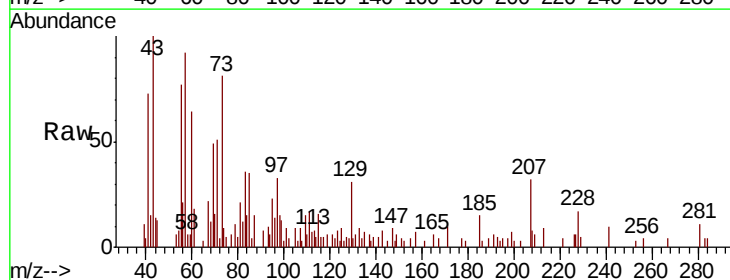
Instrument :
 BNA_F
 ClientSampleID :
 OK-02-072820

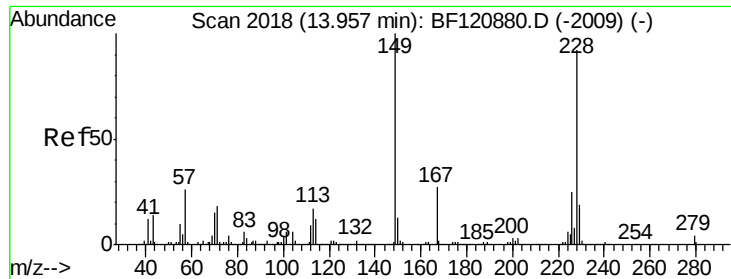
Tot Ion:252 Resp: 927
 Ion Ratio Lower Upper
 252 100
 254 68.4 51.3 76.9
 126 45.5 9.2 13.8#



#83
 Chrysene
 Concen: 217.715 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF121127.D
 Acq: 30 Jul 2020 14:36

Tgt Ion:228 Resp: 1621
 Ion Ratio Lower Upper
 228 100
 226 34.7 25.4 38.0
 229 28.7 16.2 24.4#

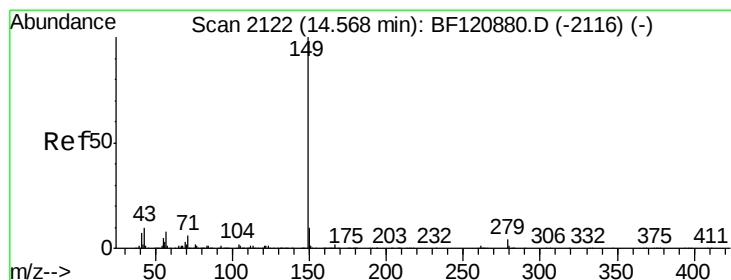
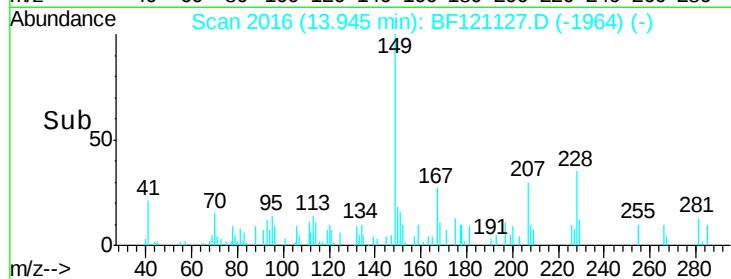
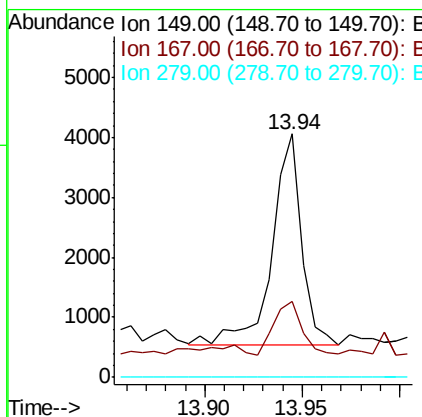
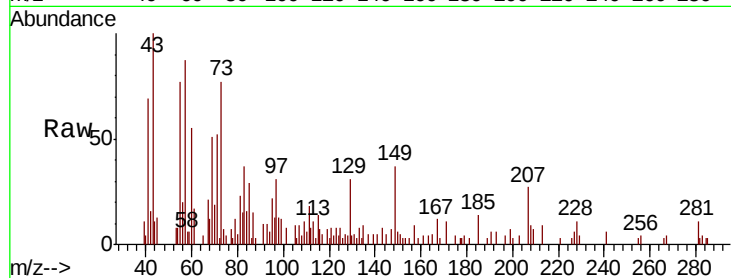




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 815.459 ng
 RT: 13.94 min Scan# 2016
 Delta R.T. 0.01 min
 Lab File: BF121127.D
 Acq: 30 Jul 2020 14:36

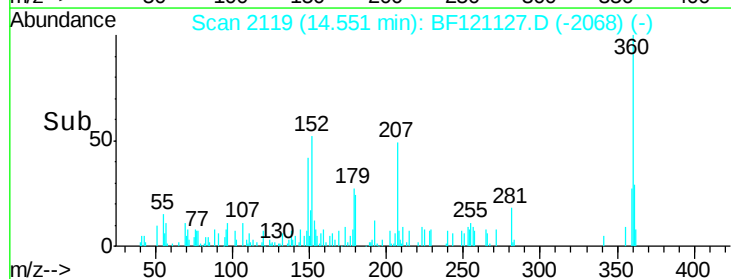
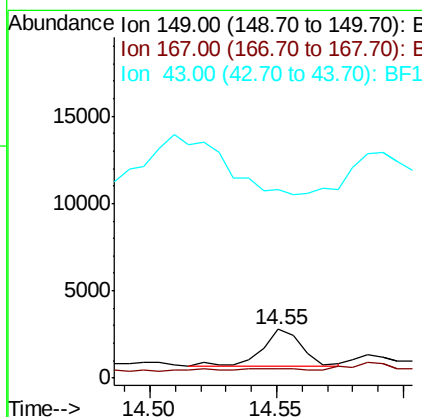
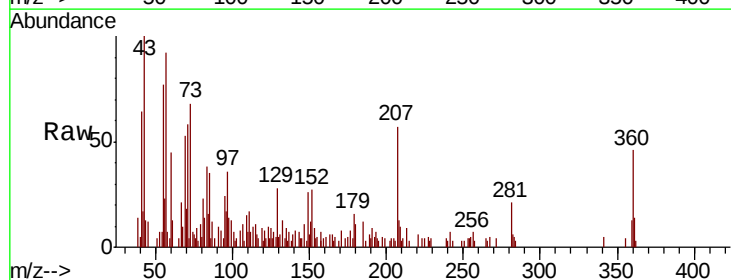
Instrument :
 BNA_F
 ClientSampleId :
 OK-02-072820

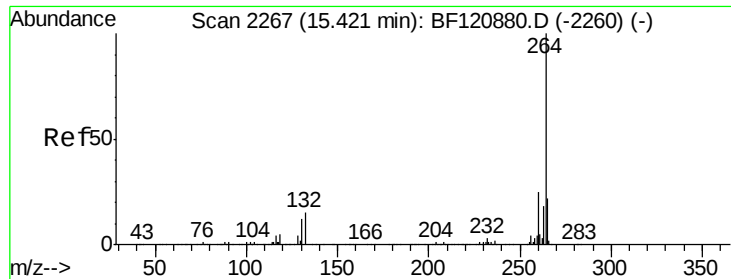
Tot Ion:149 Resp: 3708
 Ion Ratio Lower Upper
 149 100
 167 31.4 21.8 32.6
 279 0.0 2.9 4.3#



#85
 Di-n-octyl phthalate
 Concen: 257.445 ng
 RT: 14.55 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: BF121127.D
 Acq: 30 Jul 2020 14:36

Tgt Ion:149 Resp: 2329
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.3 1.9#
 43 0.0 7.5 11.3#

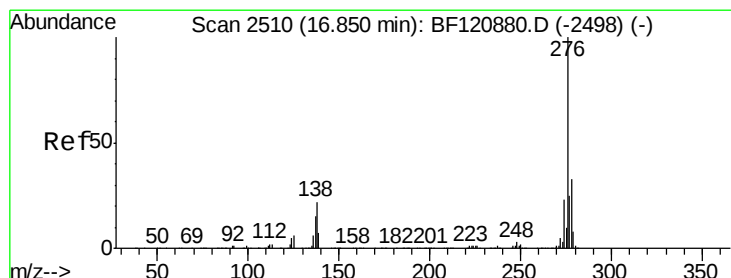
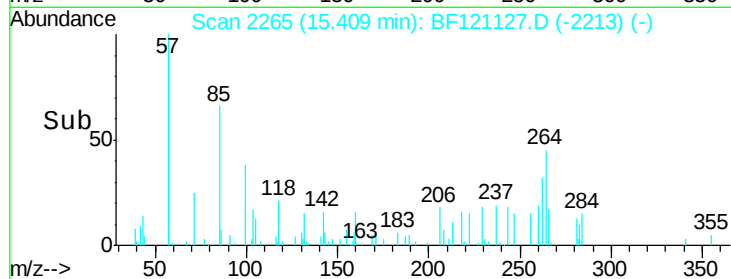
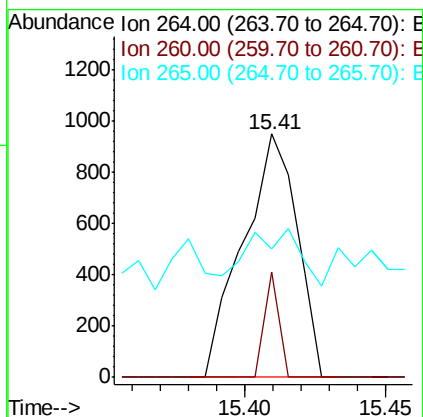
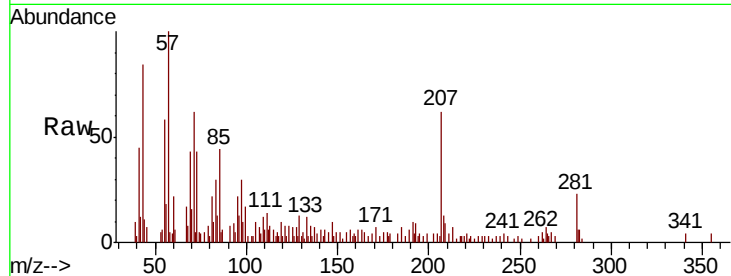




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.41 min Scan# 2265
Delta R.T. 0.01 min
Lab File: BF121127.D
Acq: 30 Jul 2020 14:36

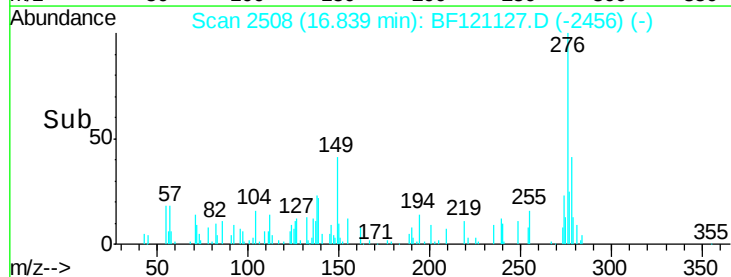
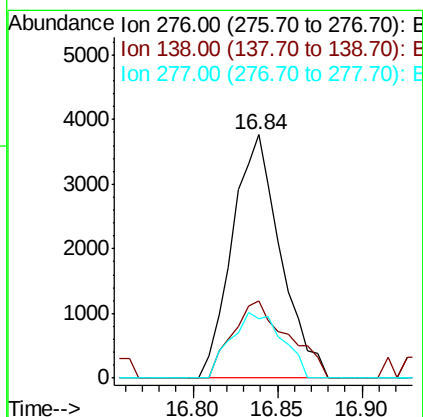
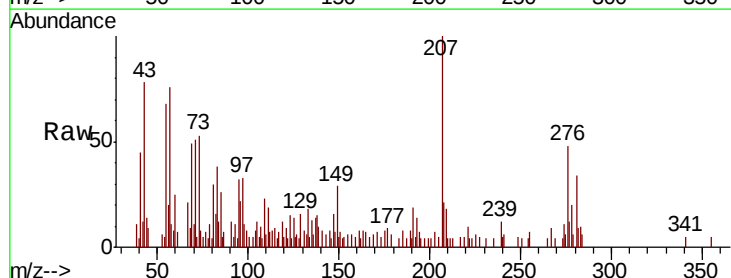
Instrument :
BNA_F
ClientSampleId :
OK-02-072820

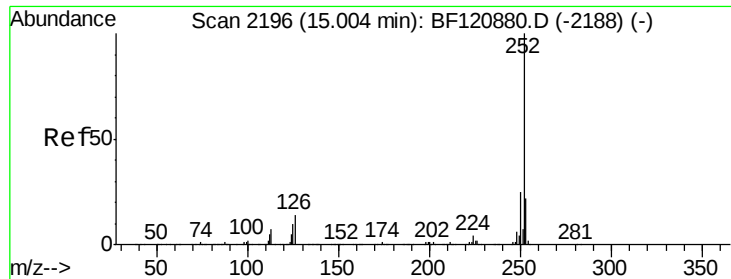
Tot Ion:264 Resp: 1259
Ion Ratio Lower Upper
264 100
260 43.1 19.9 29.9#
265 52.7 17.8 26.8#



#87
Indeno(1,2,3-cd)pyrene
Concen: 85.634 ng
RT: 16.84 min Scan# 2508
Delta R.T. 0.01 min
Lab File: BF121127.D
Acq: 30 Jul 2020 14:36

Tgt Ion:276 Resp: 7498
Ion Ratio Lower Upper
276 100
138 36.2 19.3 28.9#
277 28.7 20.1 30.1

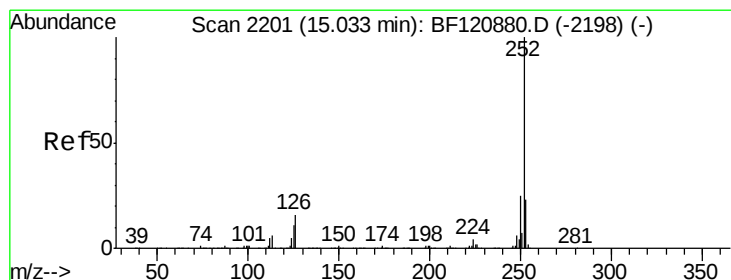
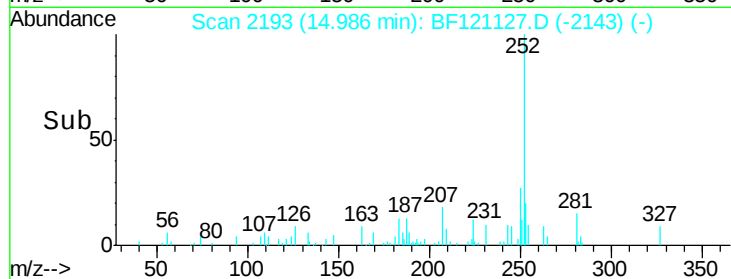
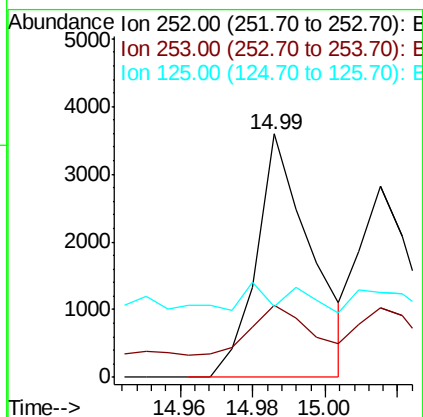
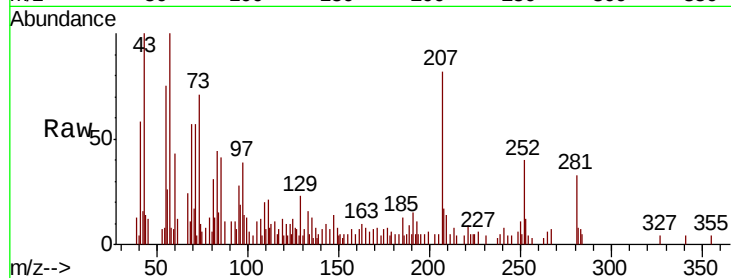




#88
Benzo(b)fluoranthene
Concen: 49.171 ng
RT: 14.99 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BF121127.D
Acq: 30 Jul 2020 14:36

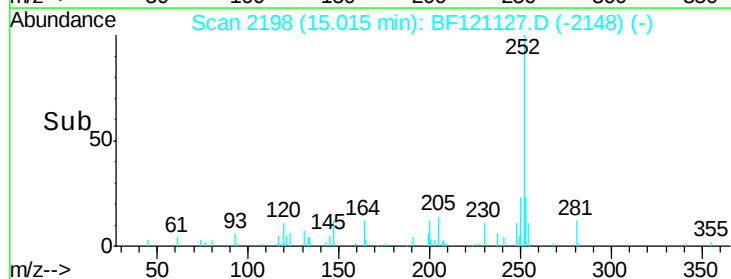
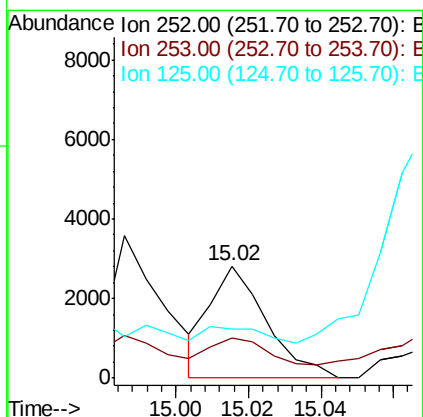
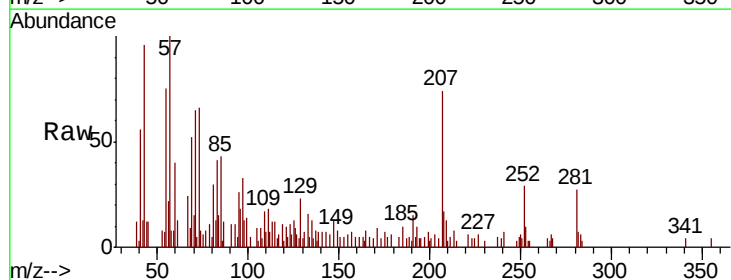
Instrument :
BNA_F
ClientSampleId :
OK-02-072820

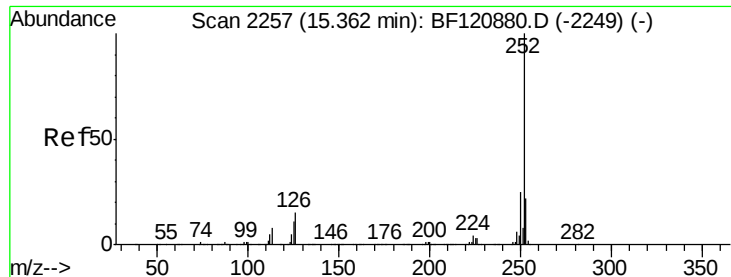
Tot Ion:252 Resp: 3742
Ion Ratio Lower Upper
252 100
253 29.7 17.9 26.9#
125 29.3 8.1 12.1#



#89
Benzo(k)fluoranthene
Concen: 43.729 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BF121127.D
Acq: 30 Jul 2020 14:36

Tgt Ion:252 Resp: 3035
Ion Ratio Lower Upper
252 100
253 36.1 18.1 27.1#
125 44.2 8.0 12.0#





#90

Benzo(a)pyrene

Concen: 45.973 ng

RT: 15.34 min Scan# 2254

Delta R.T. -0.00 min

Lab File: BF121127.D

Acq: 30 Jul 2020 14:36

Instrument :

BNA_F

ClientSampleId :

OK-02-072820

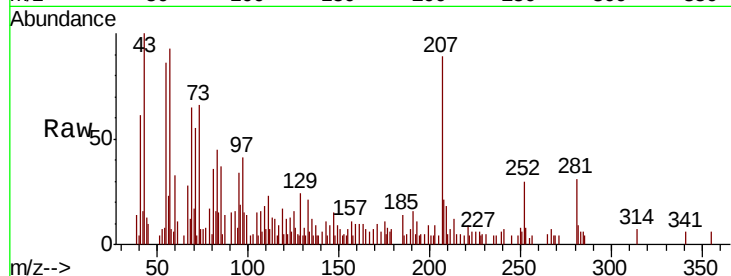
Tot Ion:252 Resp: 3192

Ion Ratio Lower Upper

252 100

253 26.7 18.0 27.0

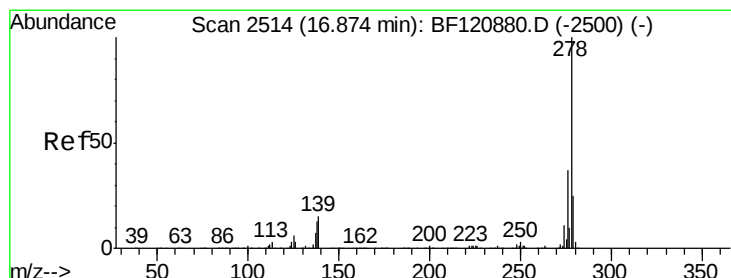
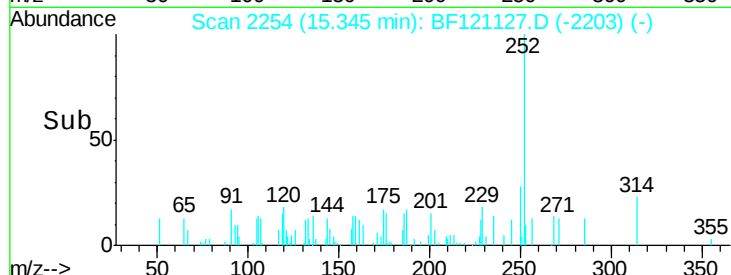
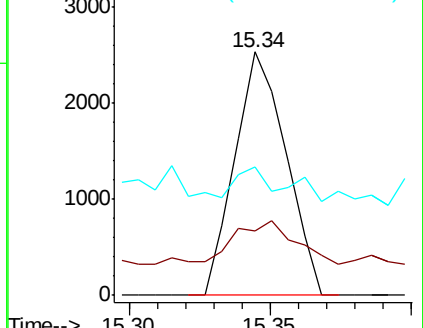
125 52.7 9.5 14.3#



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: 76.941 ng

RT: 16.86 min Scan# 2511

Delta R.T. 0.01 min

Lab File: BF121127.D

Acq: 30 Jul 2020 14:36

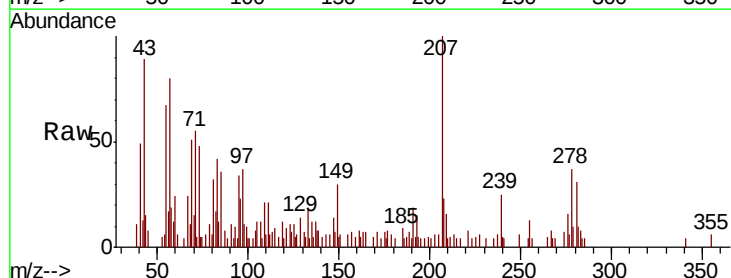
Tgt Ion:278 Resp: 5503

Ion Ratio Lower Upper

278 100

139 20.7 12.6 18.8#

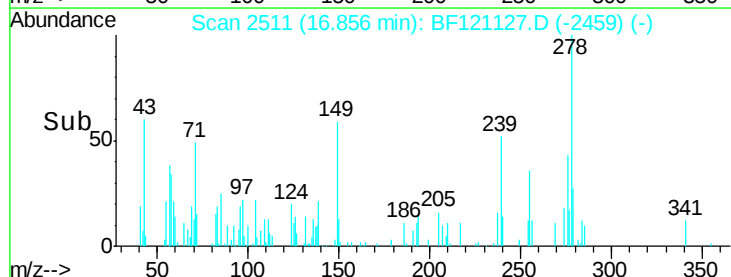
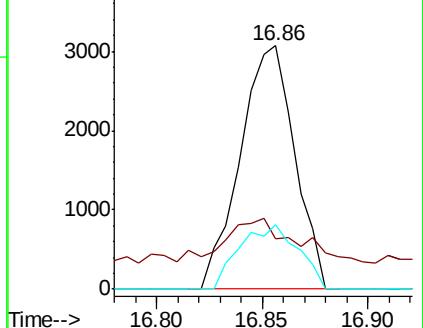
279 26.5 19.5 29.3

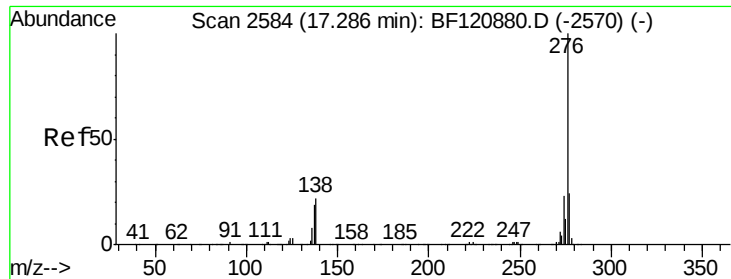


Abundance Ion 278.00 (277.70 to 278.70): E

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: 105.359 ng
 RT: 17.26 min Scan# 2580
 Delta R.T. -0.00 min
 Lab File: BF121127.D
 Acq: 30 Jul 2020 14:36

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-072820

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	24.9	19.4	29.0	
138	28.6	17.2	25.8	

