

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030222\
 Data File : BF127152.D
 Acq On : 02 Mar 2022 17:39
 Operator : CG\JU
 Sample : N1721-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUM-4

Quant Time: Mar 03 00:57:13 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 01 23:57:09 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

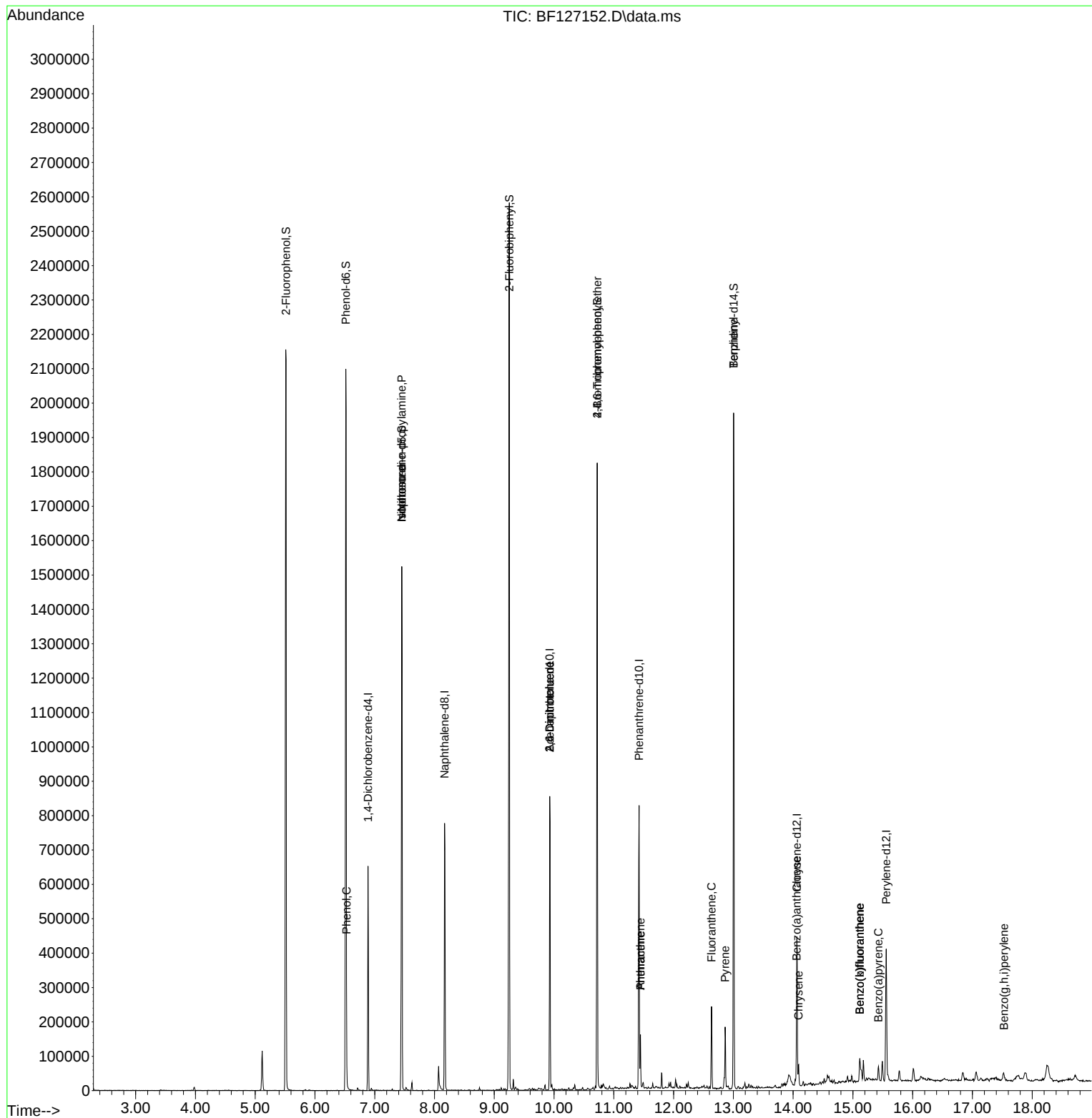
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	81674	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	332933	20.000	ng	# 0.00
39) Acenaphthene-d10	9.928	164	167204	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	272561	20.000	ng	# 0.00
76) Chrysene-d12	14.063	240	129837	20.000	ng	#-0.01
86) Perylene-d12	15.557	264	158303	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	573837	108.591	ng	0.00
7) Phenol-d6	6.516	99	737031	103.363	ng	0.00
23) Nitrobenzene-d5	7.451	82	514177	69.709	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	193291	100.404	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	787217	69.311	ng	0.00
79) Terphenyl-d14	13.004	244	614285	69.551	ng	-0.01
Target Compounds						
						Qvalue
10) Phenol	6.528	94	17198	2.387	ng	# 62
19) n-Nitroso-di-n-propyla...	7.451	70	69477	15.121	ng	# 80
25) Isophorone	7.451	82	514171	42.127	ng	# 69
51) 2,6-Dinitrotoluene	9.928	165	22032	9.061	ng	# 22
57) 2,4-Dinitrotoluene	9.928	165	22032	6.701	ng	# 16
67) 4-Bromophenyl-phenylether	10.722	248	11587	3.805	ng	# 1
71) Phenanthrene	11.445	178	51041	3.346	ng	98
72) Anthracene	11.445	178	51041	3.361	ng	97
75) Fluoranthene	12.633	202	85934	5.932	ng	95
77) Benzidine	13.004	184	9326	2.643	ng	# 94
78) Pyrene	12.863	202	68098	6.037	ng	99
81) Benzo(a)anthracene	14.057	228	21049	2.405	ng	98
83) Chrysene	14.092	228	23917	2.906	ng	96
88) Benzo(b)fluoranthene	15.116	252	48254	4.538	ng	# 95
89) Benzo(k)fluoranthene	15.116	252	48254	4.705	ng	# 95
90) Benzo(a)pyrene	15.427	252	18166	2.187	ng	96
92) Benzo(g,h,i)perylene	17.527	276	17281	2.042	ng	# 84

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

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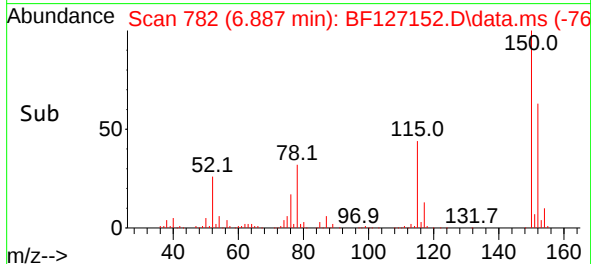
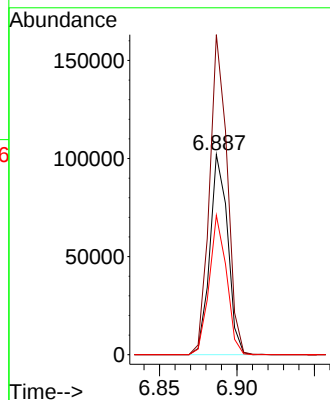
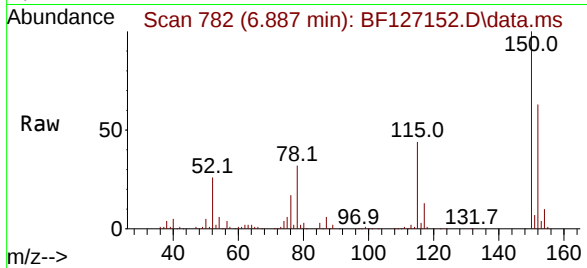




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127152.D
Acq: 02 Mar 2022 17:39

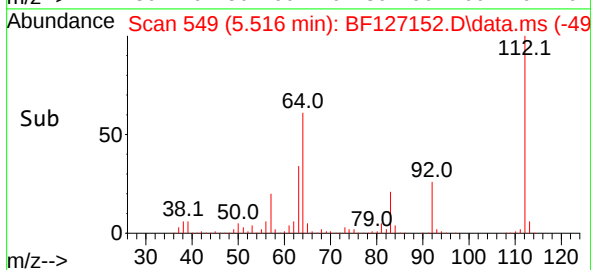
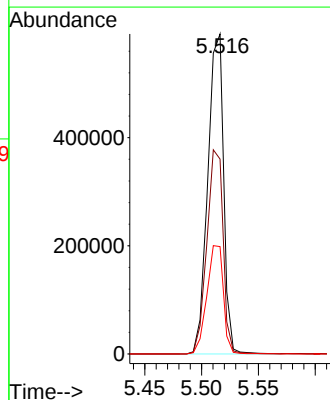
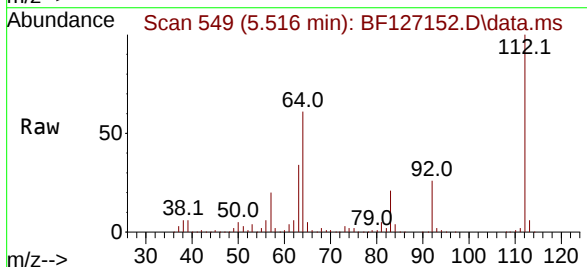
Instrument :
BNA_F
ClientSampleId :
DUM-4

Tgt Ion:152 Resp: 81674
Ion Ratio Lower Upper
152 100
150 159.9 128.1 192.1
115 69.6 56.7 85.1



#5
2-Fluorophenol
Concen: 108.591 ng
RT: 5.516 min Scan# 549
Delta R.T. 0.006 min
Lab File: BF127152.D
Acq: 02 Mar 2022 17:39

Tgt Ion:112 Resp: 573837
Ion Ratio Lower Upper
112 100
64 60.9 49.5 74.3
63 33.5 23.9 35.9

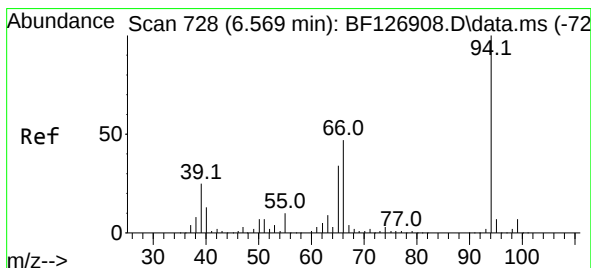
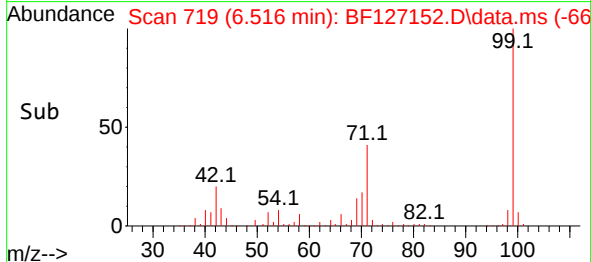
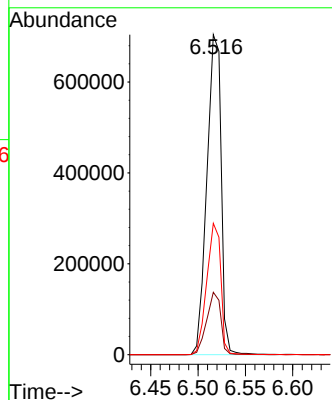
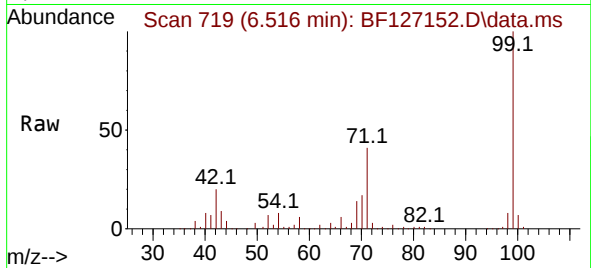




#7
Phenol-d6
Concen: 103.363 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127152.D
Acq: 02 Mar 2022 17:39

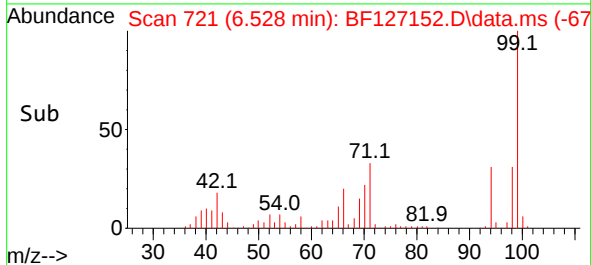
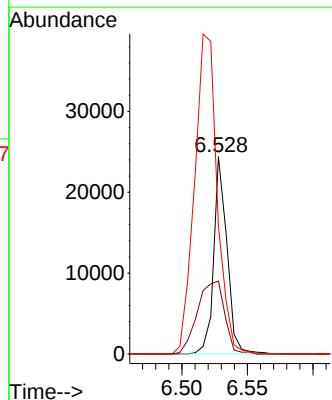
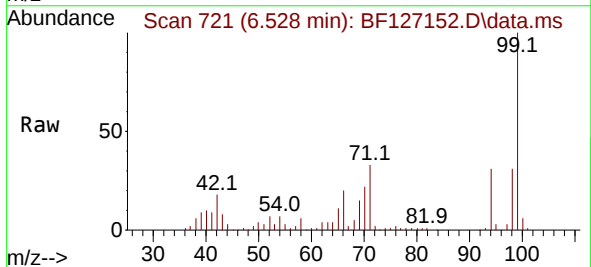
Instrument :
BNA_F
ClientSampleId :
DUM-4

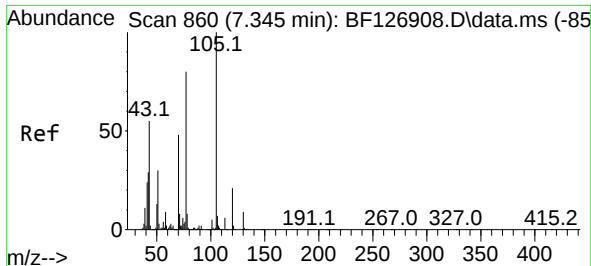
Tgt Ion: 99 Resp: 737031
Ion Ratio Lower Upper
99 100
42 19.5 14.2 21.4
71 41.1 24.3 36.5#



#10
Phenol
Concen: 2.387 ng
RT: 6.528 min Scan# 721
Delta R.T. -0.012 min
Lab File: BF127152.D
Acq: 02 Mar 2022 17:39

Tgt Ion: 94 Resp: 17198
Ion Ratio Lower Upper
94 100
65 37.0 7.2 47.2
66 64.8 14.5 54.5#



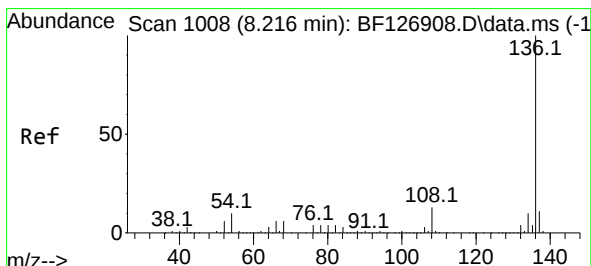
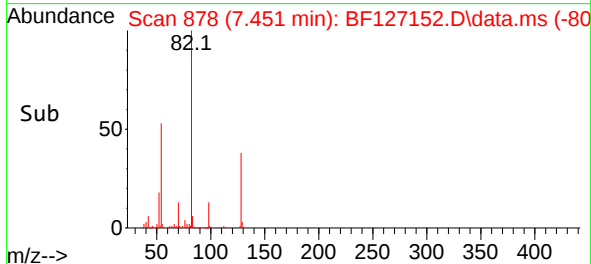
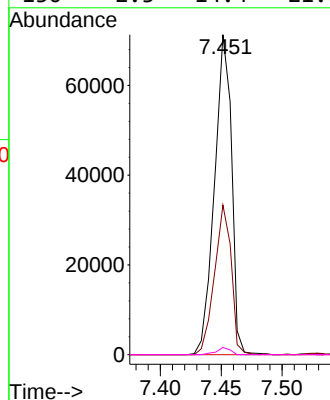
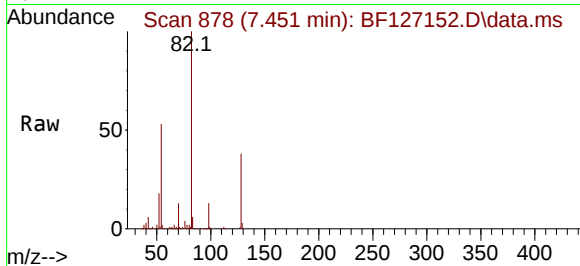


#19
n-Nitroso-di-n-propylamine
Concen: 15.121 ng
RT: 7.451 min Scan# 81
Delta R.T. 0.147 min
Lab File: BF127152.D
Acq: 02 Mar 2022 17:39

Instrument :
BNA_F
ClientSampleId :
DUM-4

Tgt Ion: 70 Resp: 69477

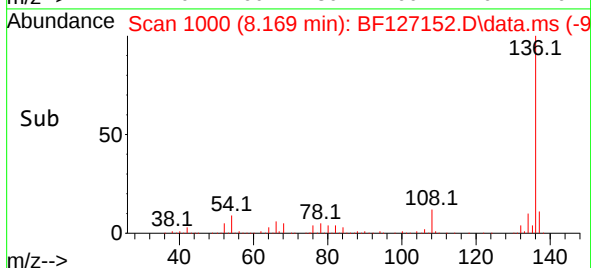
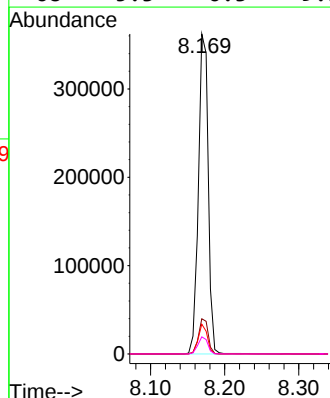
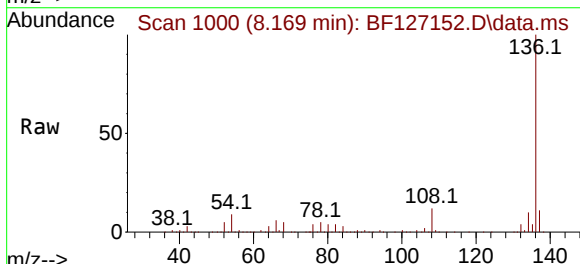
Ion	Ratio	Lower	Upper
70	100		
42	46.7	45.8	68.8
101	0.0	6.9	10.3#
130	2.3	14.4	21.6#

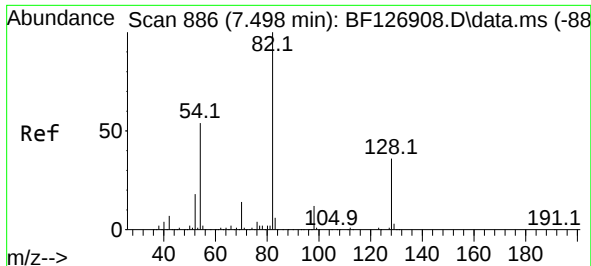


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1000
Delta R.T. -0.006 min
Lab File: BF127152.D
Acq: 02 Mar 2022 17:39

Tgt Ion: 136 Resp: 332933

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	9.3	7.8	11.6
68	5.3	6.3	9.5#





#23

Nitrobenzene-d5

Concen: 69.709 ng

RT: 7.451 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF127152.D

Acq: 02 Mar 2022 17:39

Instrument :

BNA_F

ClientSampleId :

DUM-4

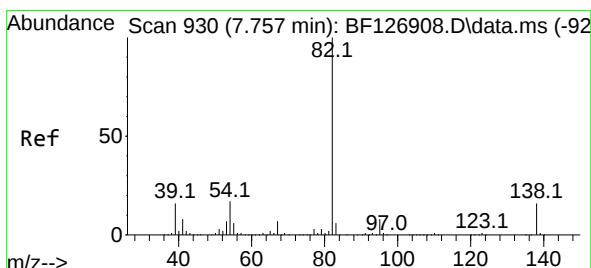
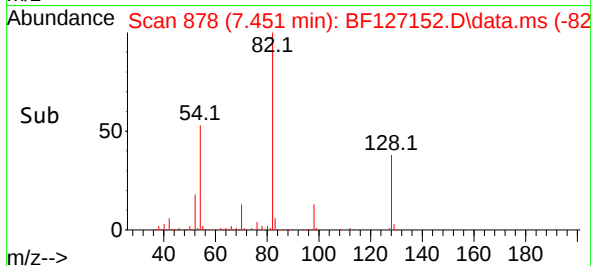
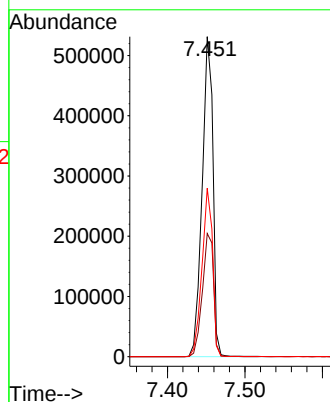
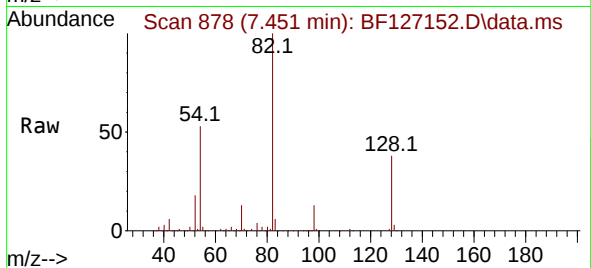
Tgt Ion: 82 Resp: 514177

Ion Ratio Lower Upper

82 100

128 38.5 32.7 49.1

54 52.6 41.7 62.5



#25

Isophorone

Concen: 42.127 ng

RT: 7.451 min Scan# 878

Delta R.T. -0.265 min

Lab File: BF127152.D

Acq: 02 Mar 2022 17:39

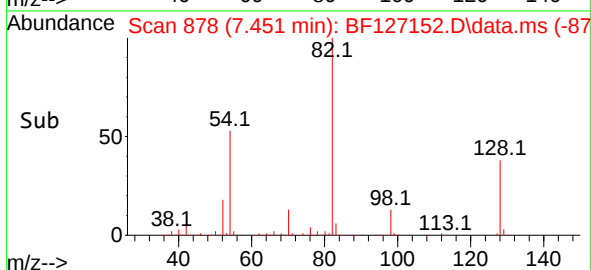
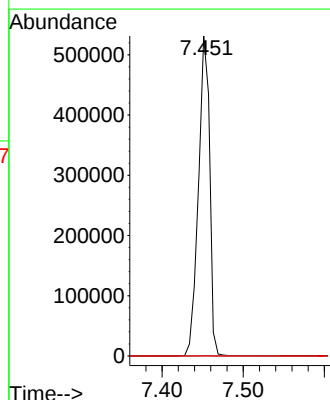
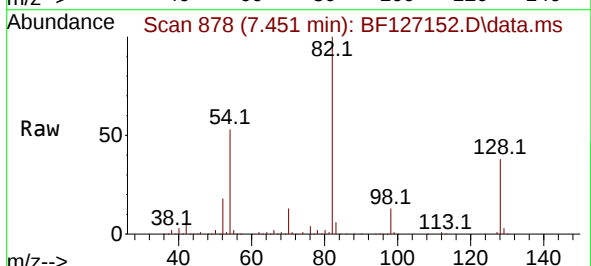
Tgt Ion: 82 Resp: 514171

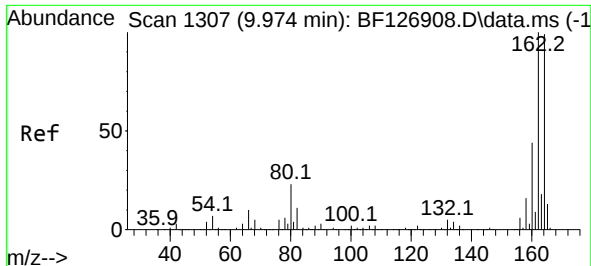
Ion Ratio Lower Upper

82 100

95 0.0 5.0 7.4#

138 0.0 12.3 18.5#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF127152.D

Acq: 02 Mar 2022 17:39

Instrument :

BNA_F

ClientSampleId :

DUM-4

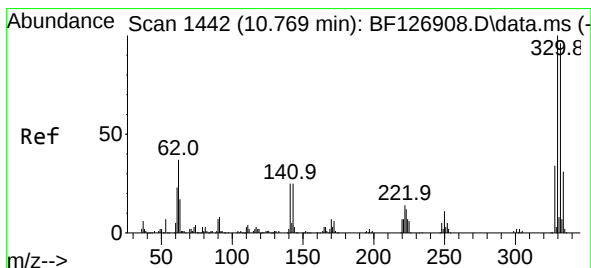
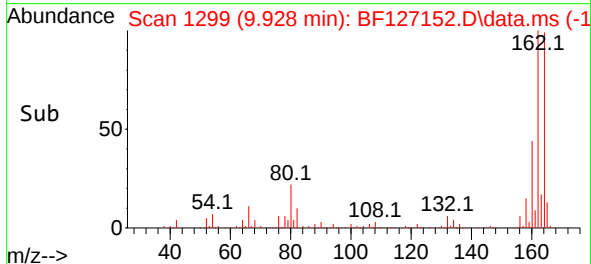
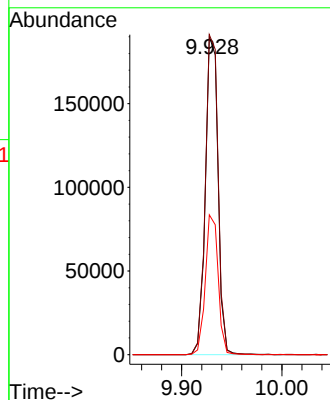
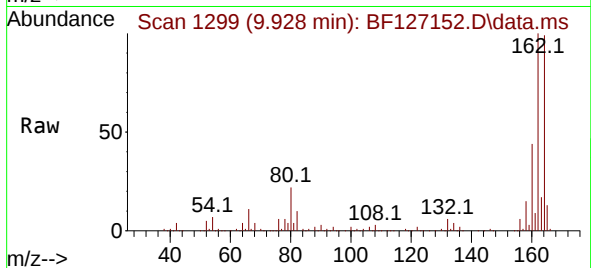
Tgt Ion:164 Resp: 167204

Ion Ratio Lower Upper

164 100

162 100.5 81.4 122.0

160 44.0 36.6 54.8



#42

2,4,6-Tribromophenol

Concen: 100.404 ng

RT: 10.722 min Scan# 1434

Delta R.T. -0.006 min

Lab File: BF127152.D

Acq: 02 Mar 2022 17:39

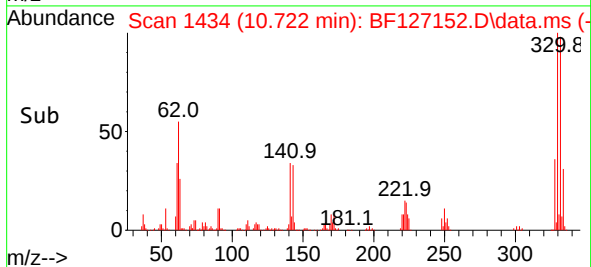
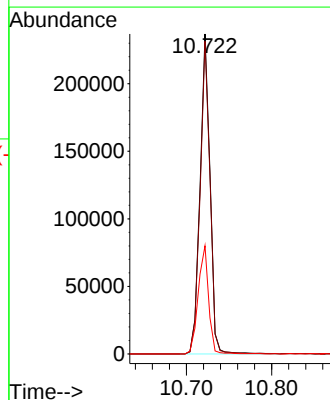
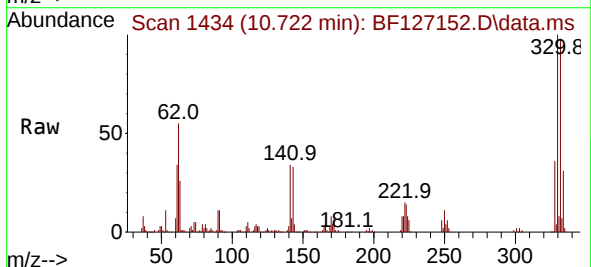
Tgt Ion:330 Resp: 193291

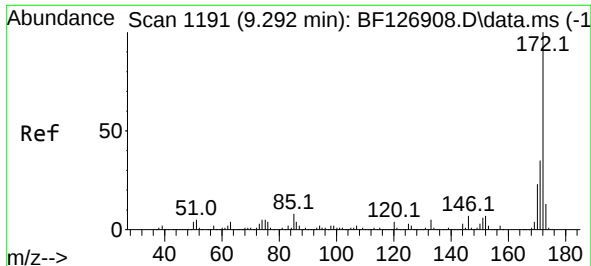
Ion Ratio Lower Upper

330 100

332 97.0 76.0 114.0

141 35.3 30.1 45.1

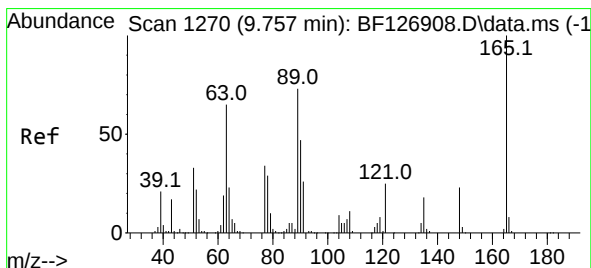
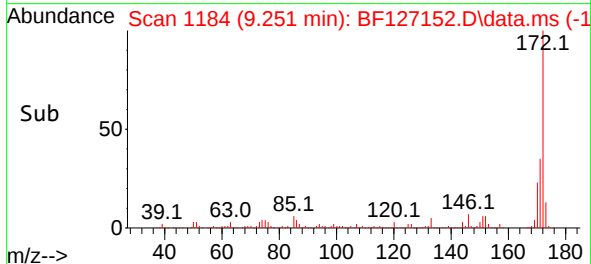
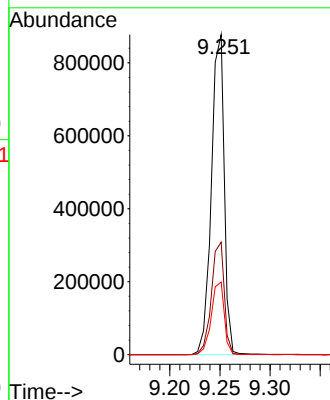
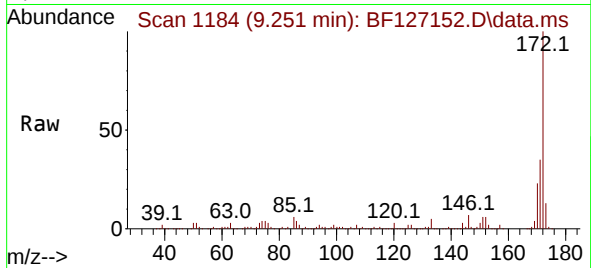




#45
2-Fluorobiphenyl
Concen: 69.311 ng
RT: 9.251 min Scan# 1191
Delta R.T. 0.000 min
Lab File: BF127152.D
Acq: 02 Mar 2022 17:39

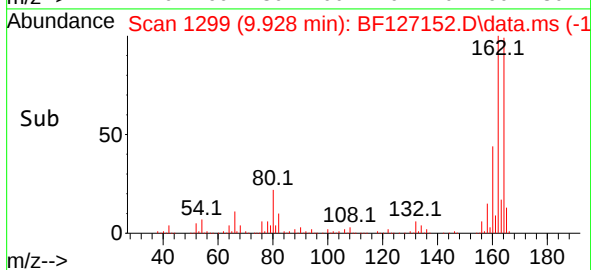
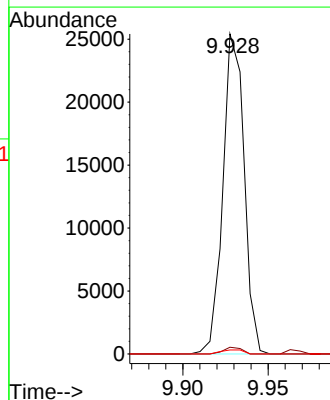
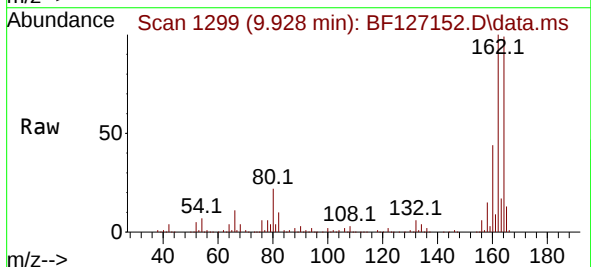
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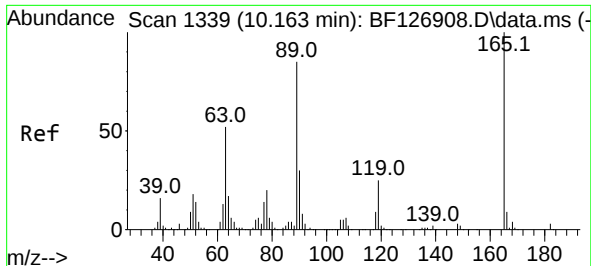
Tgt Ion:172 Resp: 787217
Ion Ratio Lower Upper
172 100
171 35.2 28.3 42.5
170 22.7 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 9.061 ng
RT: 9.928 min Scan# 1299
Delta R.T. 0.206 min
Lab File: BF127152.D
Acq: 02 Mar 2022 17:39

Tgt Ion:165 Resp: 22032
Ion Ratio Lower Upper
165 100
63 2.1 48.4 72.6#
89 1.2 50.5 75.7#

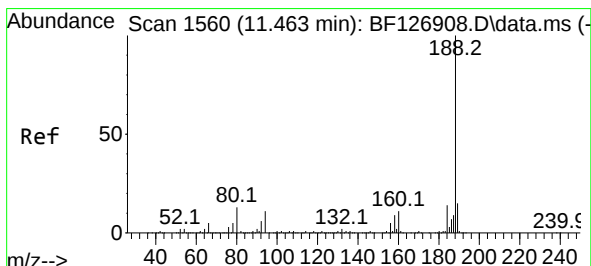
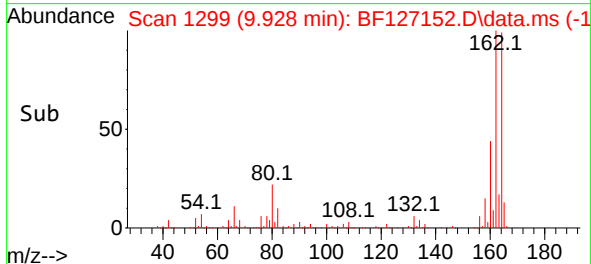
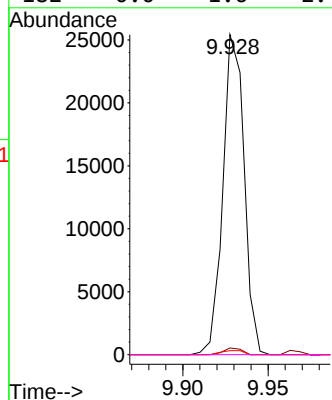
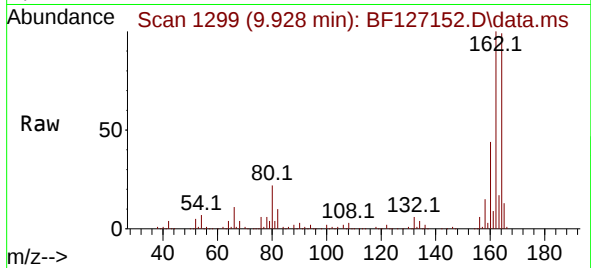




#57
2,4-Dinitrotoluene
Concen: 6.701 ng
RT: 9.928 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF127152.D
Acq: 02 Mar 2022 17:39

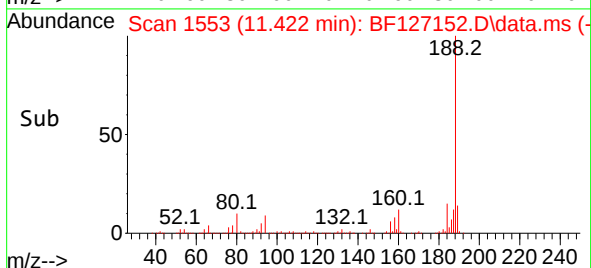
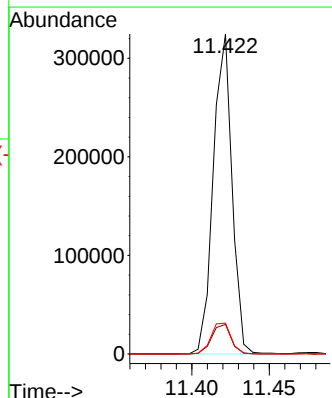
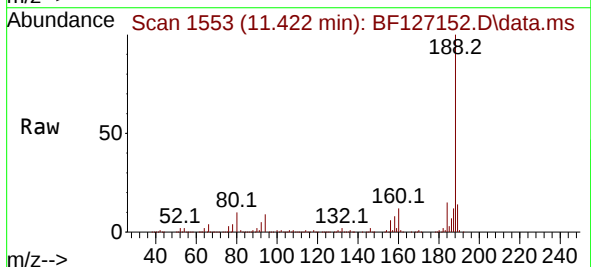
Instrument :
BNA_F
ClientSampleId :
DUM-4

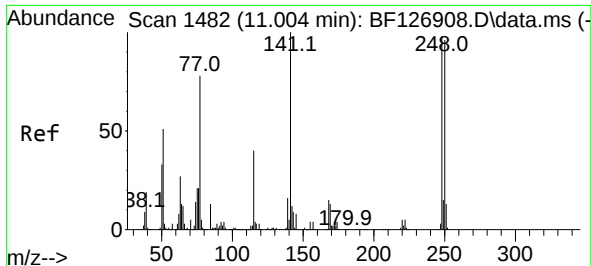
Tgt Ion:165 Resp: 22032
Ion Ratio Lower Upper
165 100
63 2.1 43.0 64.6#
89 1.2 71.0 106.4#
182 0.0 1.6 2.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1553
Delta R.T. -0.006 min
Lab File: BF127152.D
Acq: 02 Mar 2022 17:39

Tgt Ion:188 Resp: 272561
Ion Ratio Lower Upper
188 100
94 9.3 10.1 15.1#
80 9.7 11.8 17.6#

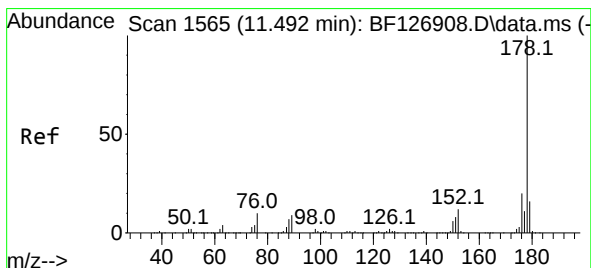
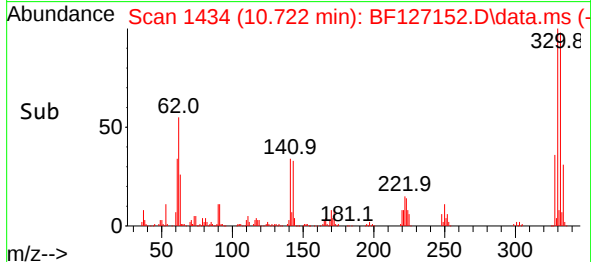
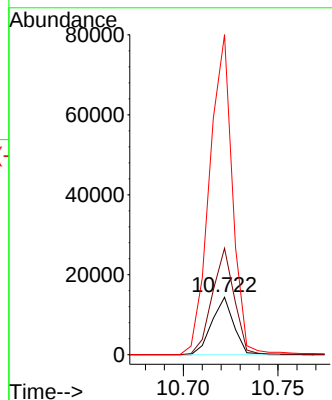
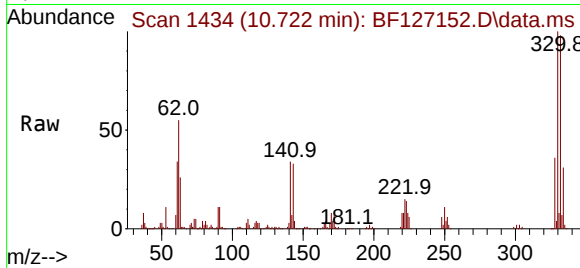




#67
4-Bromophenyl-phenylether
Concen: 3.805 ng
RT: 10.722 min Scan# 1482
Delta R.T. -0.247 min
Lab File: BF127152.D
Acq: 02 Mar 2022 17:39

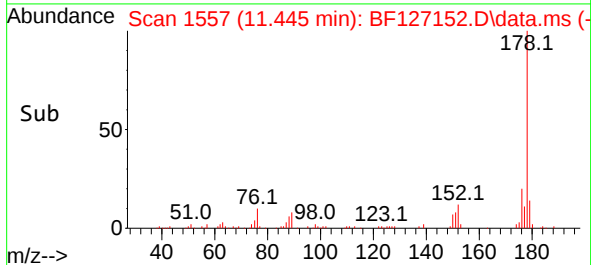
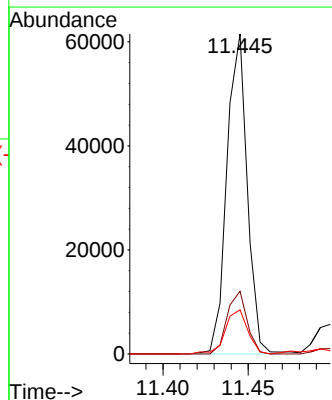
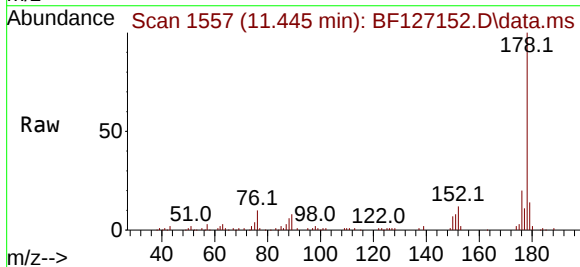
Instrument :
BNA_F
ClientSampleId :
DUM-4

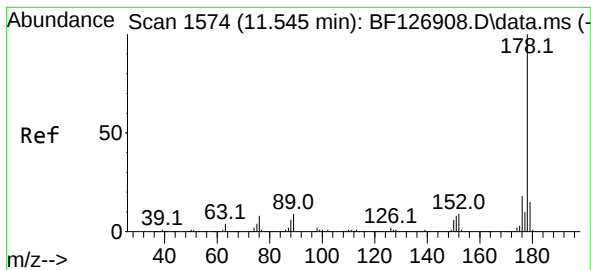
Tgt Ion:248 Resp: 11587
Ion Ratio Lower Upper
248 100
250 185.4 76.2 114.4#
141 557.7 66.2 99.4#



#71
Phenanthrene
Concen: 3.346 ng
RT: 11.445 min Scan# 1557
Delta R.T. -0.006 min
Lab File: BF127152.D
Acq: 02 Mar 2022 17:39

Tgt Ion:178 Resp: 51041
Ion Ratio Lower Upper
178 100
176 19.6 15.7 23.5
179 13.8 12.3 18.5





#72

Anthracene

Concen: 3.361 ng

RT: 11.445 min Scan# 11

Delta R.T. -0.059 min

Lab File: BF127152.D

Acq: 02 Mar 2022 17:39

Instrument :

BNA_F

ClientSampleId :

DUM-4

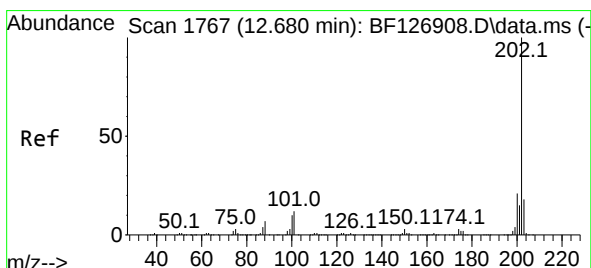
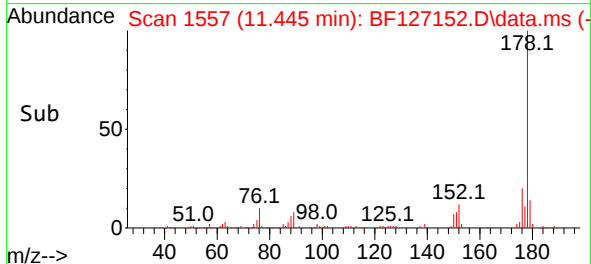
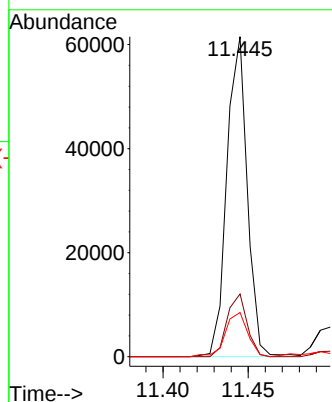
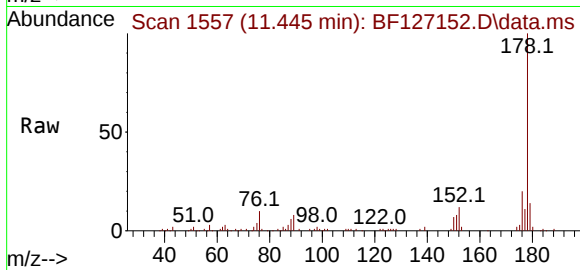
Tgt Ion:178 Resp: 51041

Ion Ratio Lower Upper

178 100

176 19.6 15.0 22.6

179 13.8 12.5 18.7



#75

Fluoranthene

Concen: 5.932 ng

RT: 12.633 min Scan# 1759

Delta R.T. -0.012 min

Lab File: BF127152.D

Acq: 02 Mar 2022 17:39

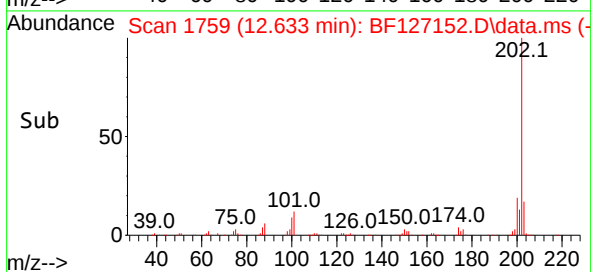
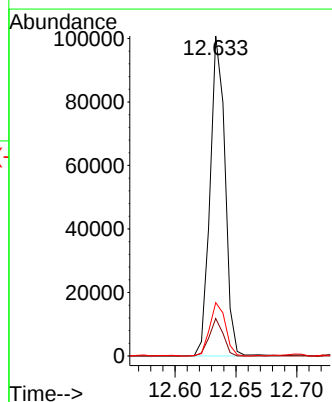
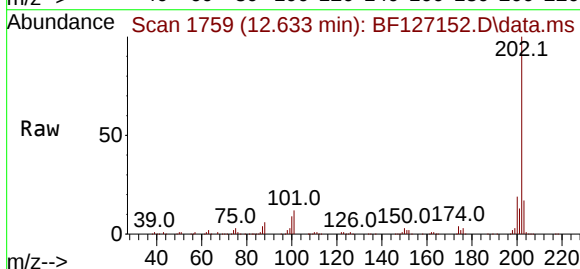
Tgt Ion:202 Resp: 85934

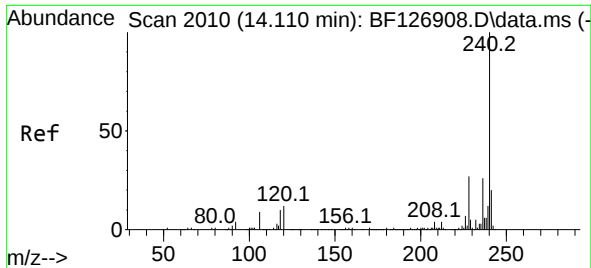
Ion Ratio Lower Upper

202 100

101 11.7 0.0 35.7

203 16.7 0.0 37.1

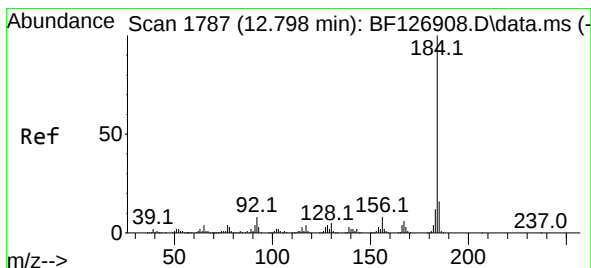
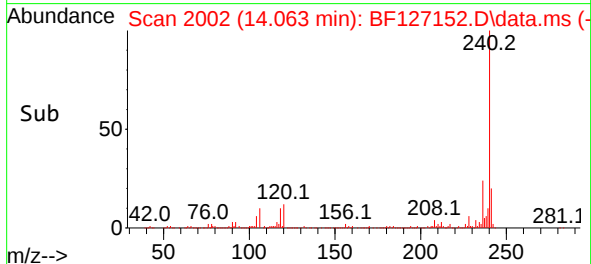
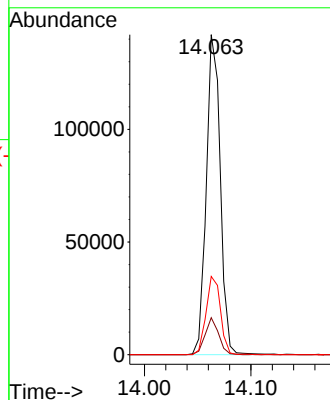
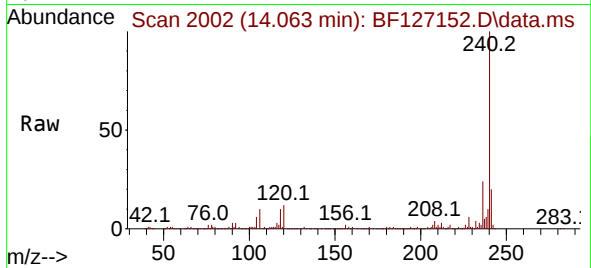




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF127152.D
Acq: 02 Mar 2022 17:39

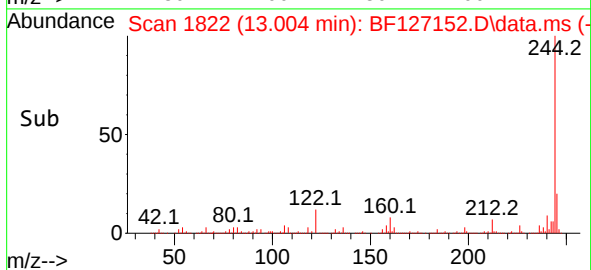
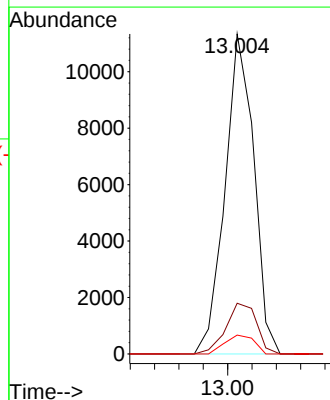
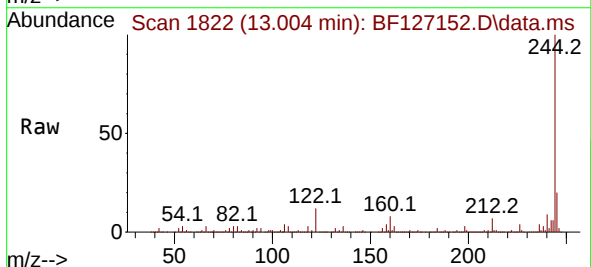
Instrument :
BNA_F
ClientSampleId :
DUM-4

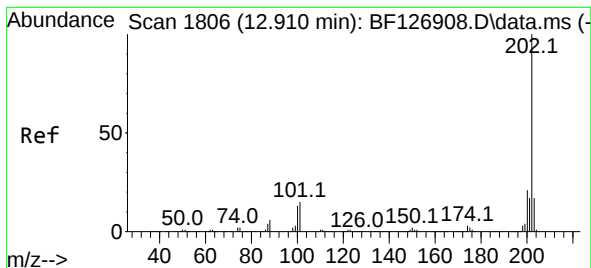
Tgt Ion:240 Resp: 129837
Ion Ratio Lower Upper
240 100
120 11.5 14.4 21.6#
236 24.5 20.5 30.7



#77
Benzidine
Concen: 2.643 ng
RT: 13.004 min Scan# 1822
Delta R.T. 0.241 min
Lab File: BF127152.D
Acq: 02 Mar 2022 17:39

Tgt Ion:184 Resp: 9326
Ion Ratio Lower Upper
184 100
185 15.9 11.8 17.8
183 5.9 8.2 12.2#





#78

Pyrene

Concen: 6.037 ng

RT: 12.863 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF127152.D

Acq: 02 Mar 2022 17:39

Instrument :

BNA_F

ClientSampleId :

DUM-4

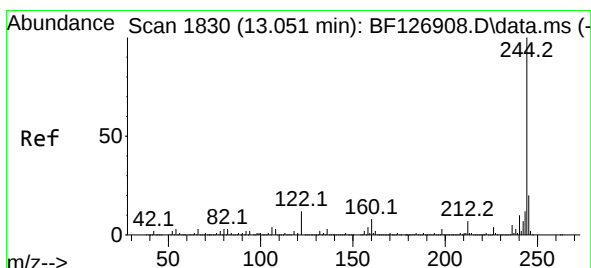
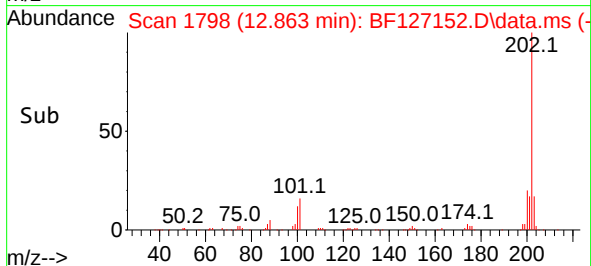
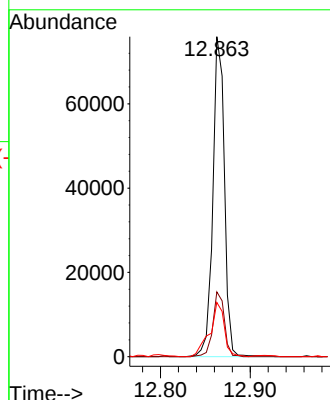
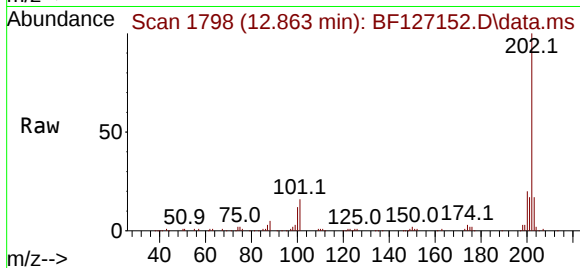
Tgt Ion:202 Resp: 68098

Ion Ratio Lower Upper

202 100

200 20.2 16.6 24.8

203 16.9 13.8 20.8



#79

Terphenyl-d14

Concen: 69.551 ng

RT: 13.004 min Scan# 1822

Delta R.T. -0.012 min

Lab File: BF127152.D

Acq: 02 Mar 2022 17:39

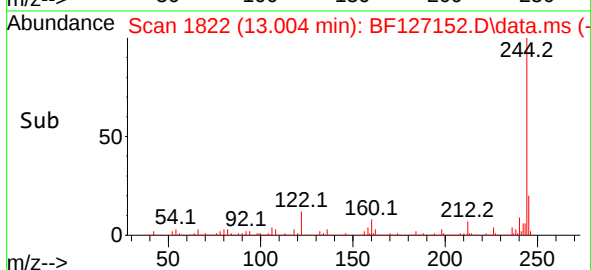
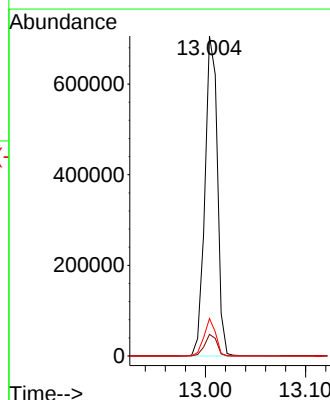
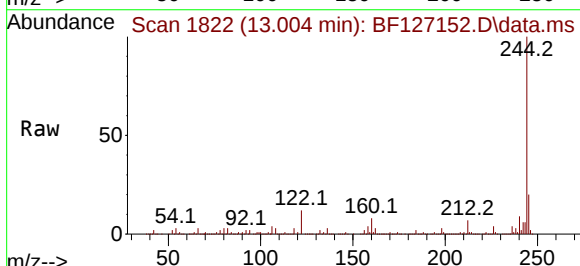
Tgt Ion:244 Resp: 614285

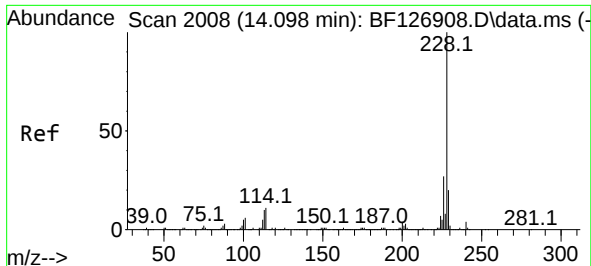
Ion Ratio Lower Upper

244 100

212 6.8 5.0 7.4

122 11.7 13.3 19.9#

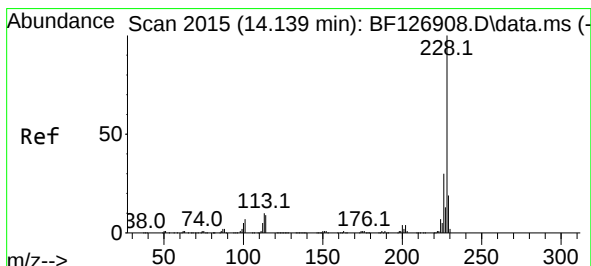
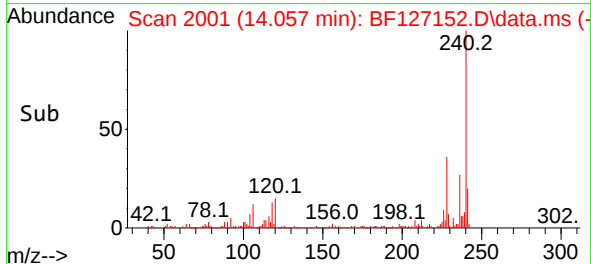
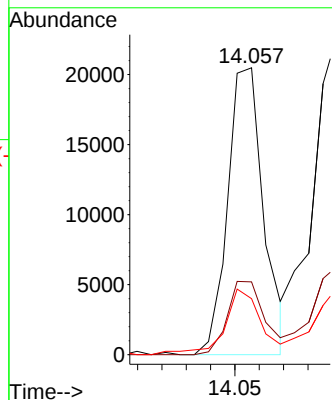
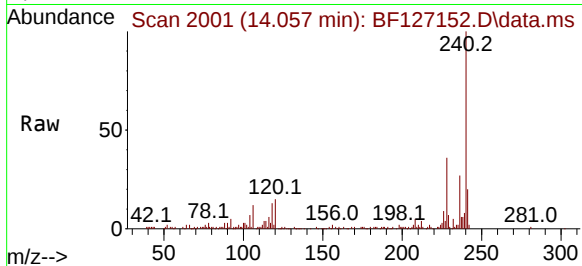




#81
Benzo(a)anthracene
Concen: 2.405 ng
RT: 14.057 min Scan# 2000
Delta R.T. -0.006 min
Lab File: BF127152.D
Acq: 02 Mar 2022 17:39

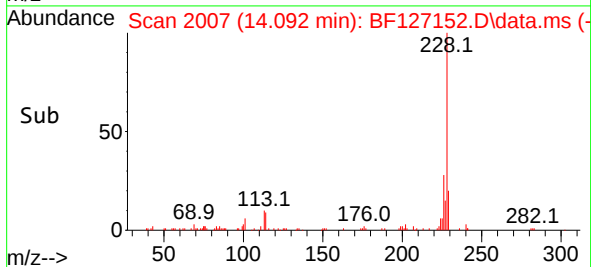
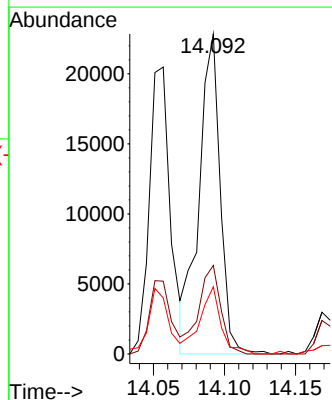
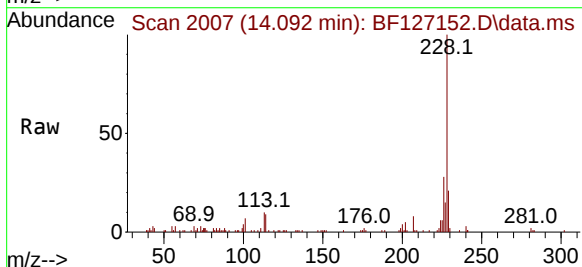
Instrument :
BNA_F
ClientSampleId :
DUM-4

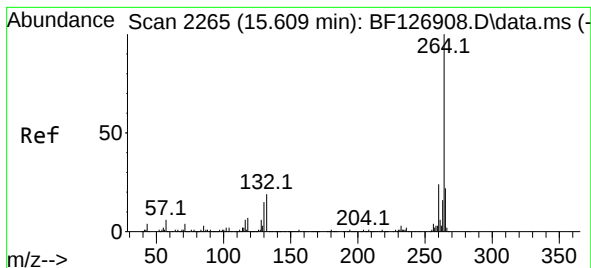
Tgt Ion:228 Resp: 21049
Ion Ratio Lower Upper
228 100
226 25.4 21.4 32.0
229 19.5 15.4 23.2



#83
Chrysene
Concen: 2.906 ng
RT: 14.092 min Scan# 2007
Delta R.T. -0.012 min
Lab File: BF127152.D
Acq: 02 Mar 2022 17:39

Tgt Ion:228 Resp: 23917
Ion Ratio Lower Upper
228 100
226 27.7 23.7 35.5
229 21.0 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF127152.D

Acq: 02 Mar 2022 17:39

Instrument :

BNA_F

ClientSampleId :

DUM-4

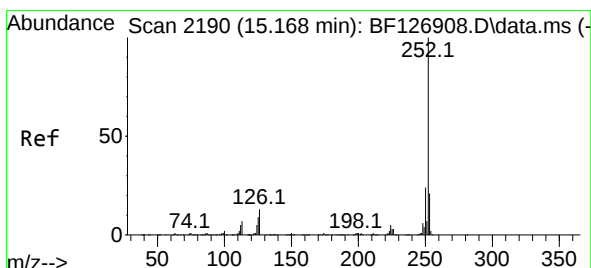
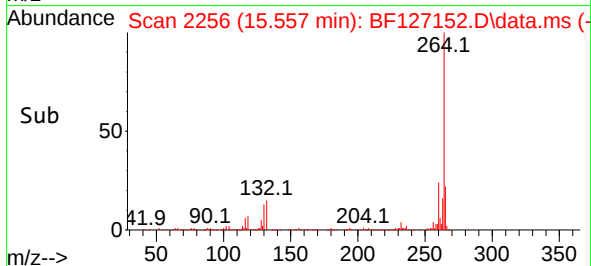
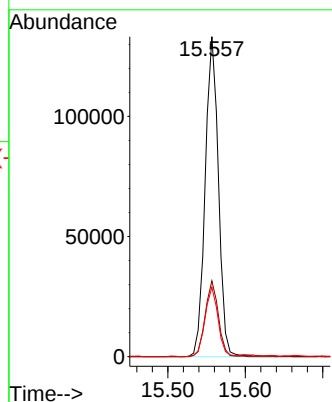
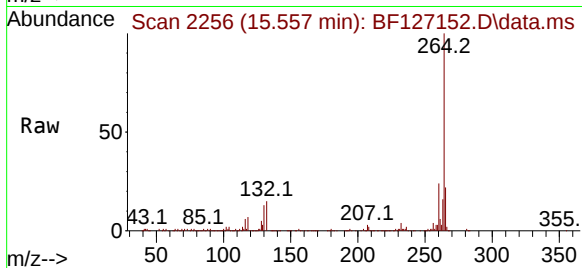
Tgt Ion:264 Resp: 158303

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 21.7 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 4.538 ng

RT: 15.116 min Scan# 2181

Delta R.T. -0.012 min

Lab File: BF127152.D

Acq: 02 Mar 2022 17:39

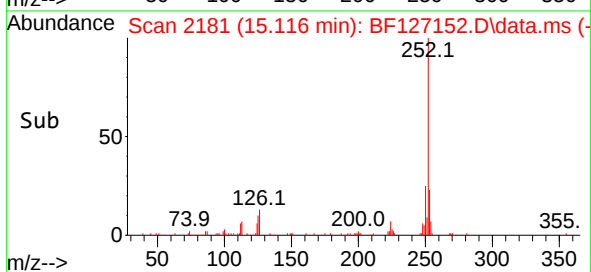
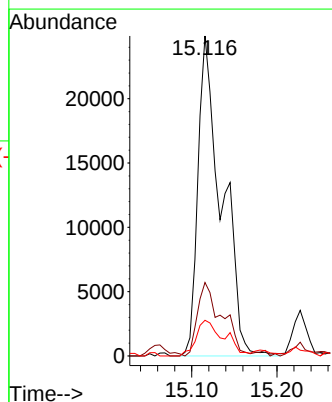
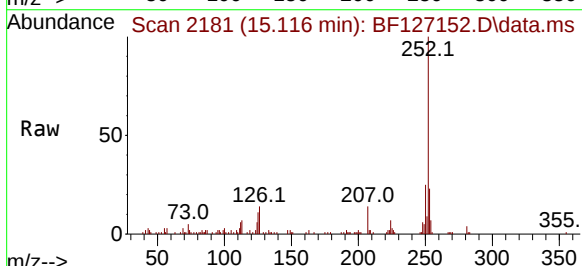
Tgt Ion:252 Resp: 48254

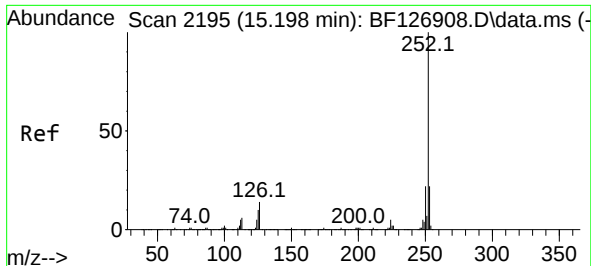
Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.8

125 11.1 12.4 18.6#





#89

Benzo(k)fluoranthene

Concen: 4.705 ng

RT: 15.116 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF127152.D

Acq: 02 Mar 2022 17:39

Instrument :

BNA_F

ClientSampleId :

DUM-4

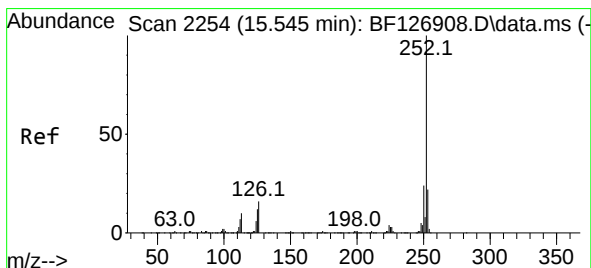
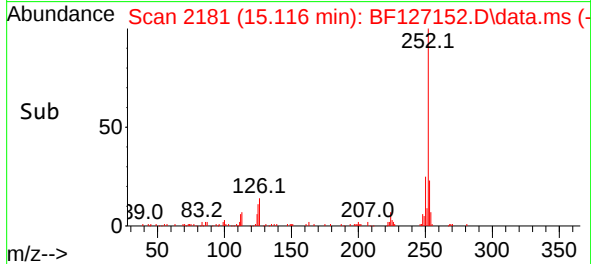
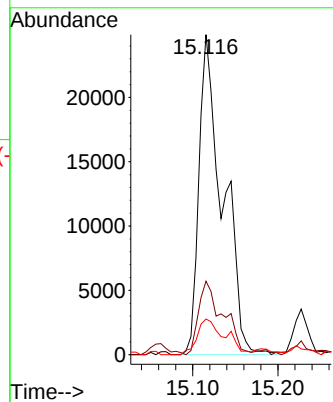
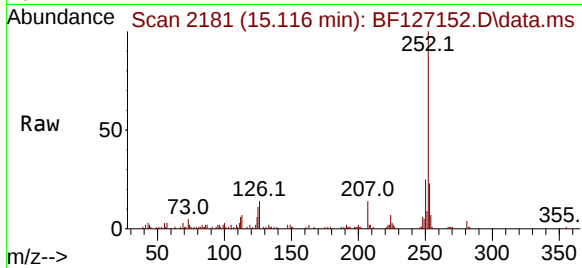
Tgt Ion:252 Resp: 48254

Ion Ratio Lower Upper

252 100

253 23.0 17.5 26.3

125 11.1 11.8 17.6#



#90

Benzo(a)pyrene

Concen: 2.187 ng

RT: 15.427 min Scan# 2234

Delta R.T. -0.076 min

Lab File: BF127152.D

Acq: 02 Mar 2022 17:39

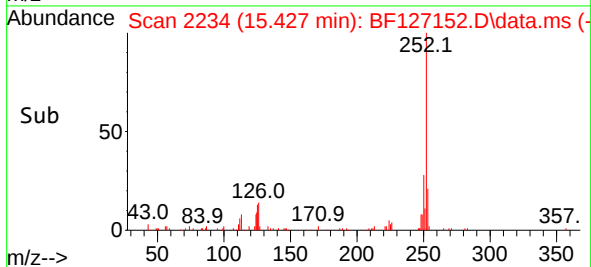
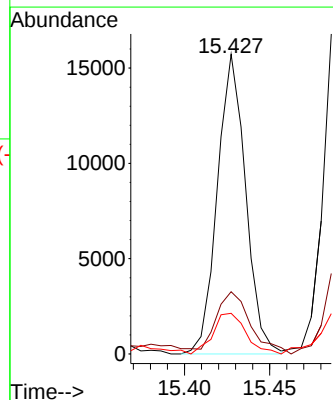
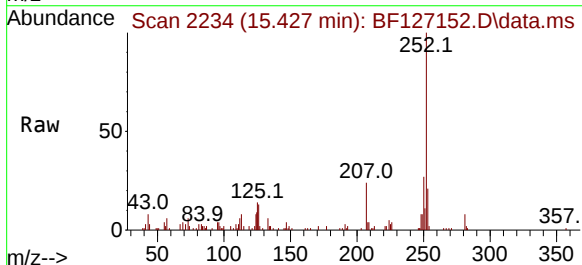
Tgt Ion:252 Resp: 18166

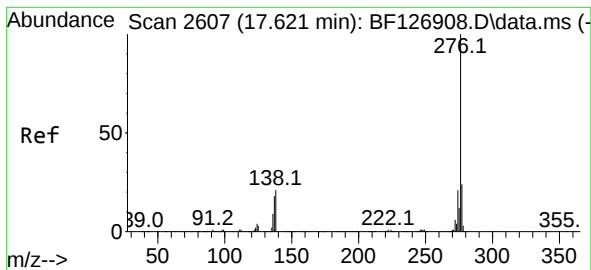
Ion Ratio Lower Upper

252 100

253 20.7 17.1 25.7

125 13.6 13.0 19.6





#92

Benzo(g,h,i)perylene

Concen: 2.042 ng

RT: 17.527 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF127152.D

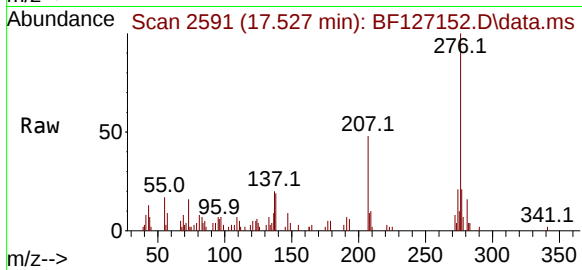
Acq: 02 Mar 2022 17:39

Instrument :

BNA_F

ClientSampleId :

DUM-4



Tgt Ion:276 Resp: 17281

Ion Ratio Lower Upper

276 100

277 20.7 18.5 27.7

138 19.2 25.9 38.9#

