

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032322\
 Data File : BF127490.D
 Acq On : 23 Mar 2022 19:47
 Operator : CG\JU
 Sample : N1958-15DL 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C-15-14-15DL

Quant Time: Mar 24 02:13:22 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF032122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 22 02:16:33 2022
 Response via : Initial Calibration

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

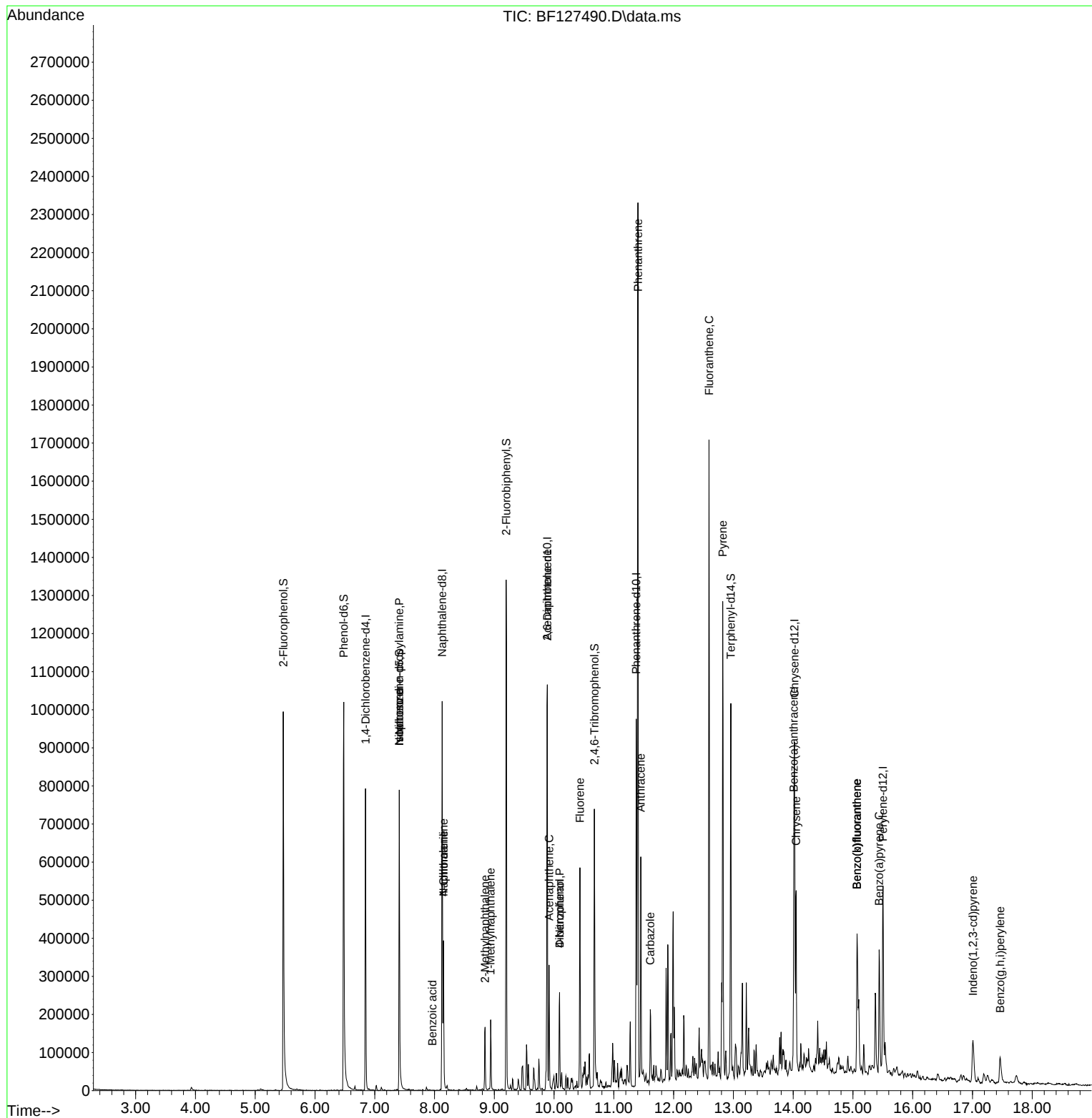
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	108102	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	390027	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	219246	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	343208	20.000	ng	0.00
76) Chrysene-d12	14.021	240	217118	20.000	ng	0.00
86) Perylene-d12	15.504	264	228448	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	268018	39.575	ng	0.00
7) Phenol-d6	6.481	99	364278	39.350	ng	0.00
23) Nitrobenzene-d5	7.410	82	230491	25.261	ng	-0.01
42) 2,4,6-Tribromophenol	10.675	330	71329	30.541	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	396743	26.424	ng	-0.01
79) Terphenyl-d14	12.957	244	301366	22.722	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.487	77	795	Below Cal	#	7
19) n-Nitroso-di-n-propyla...	7.410	70	30028	5.411	ng	# 80
25) Isophorone	7.410	82	230491	15.860	ng	# 70
31) Naphthalene	8.151	128	166599	8.045	ng	100
32) Benzoic acid	7.963	122	183	6.093	ng	# 24
33) 4-Chloroaniline	8.151	127	21432	2.671	ng	# 30
37) 2-Methylnaphthalene	8.845	142	45431	3.412	ng	95
38) 1-Methylnaphthalene	8.939	142	45368	3.446	ng	98
51) 2,6-Dinitrotoluene	9.886	165	30330	9.473	ng	# 17
52) Acenaphthene	9.916	154	56988	4.955	ng	98
55) Dibenzofuran	10.092	168	90147	2.288	ng	98
56) 4-Nitrophenol	10.092	139	34465	19.281	ng	# 1
58) Fluorene	10.433	166	143587	8.822	ng	98
71) Phenanthrene	11.404	178	806159	45.055	ng	100
72) Anthracene	11.451	178	197925	11.147	ng	99
73) Carbazole	11.610	167	69749	4.108	ng	99
75) Fluoranthene	12.592	202	603225	30.651	ng	98
78) Pyrene	12.821	202	504765	27.089	ng	100
81) Benzo(a)anthracene	14.010	228	225076	15.501	ng	98
83) Chrysene	14.051	228	197599	14.372	ng	98
87) Indeno(1,2,3-cd)pyrene	17.009	276	69701	4.509	ng	99
88) Benzo(b)fluoranthene	15.068	252	280105	19.446	ng	99
89) Benzo(k)fluoranthene	15.068	252	280239	18.767	ng	99
90) Benzo(a)pyrene	15.439	252	163450	13.827	ng	# 97
92) Benzo(g,h,i)perylene	17.462	276	59052	4.477	ng	96

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

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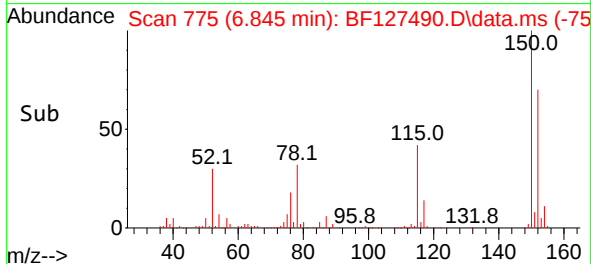
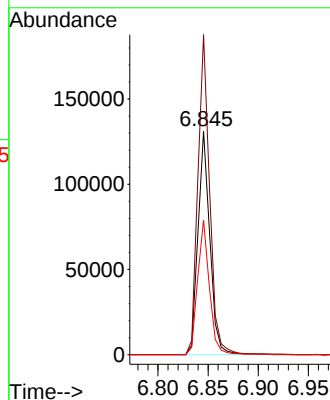
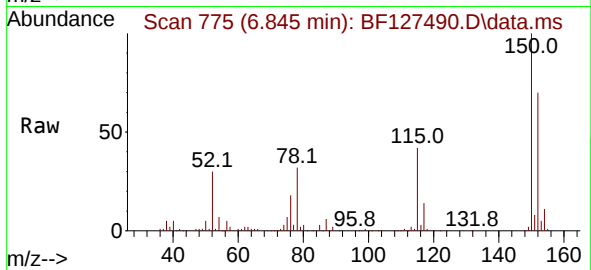




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127490.D
Acq: 23 Mar 2022 19:47

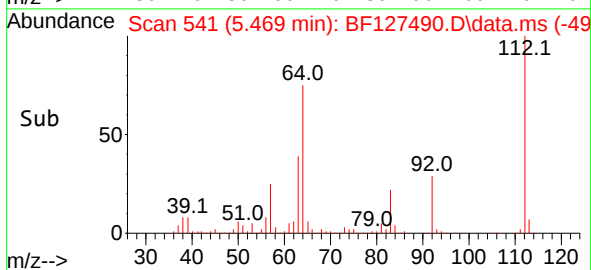
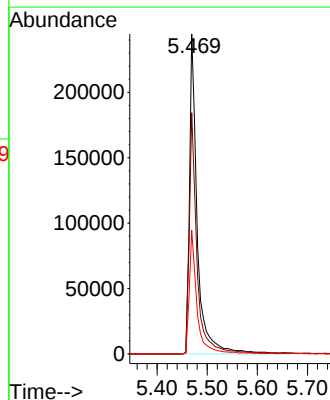
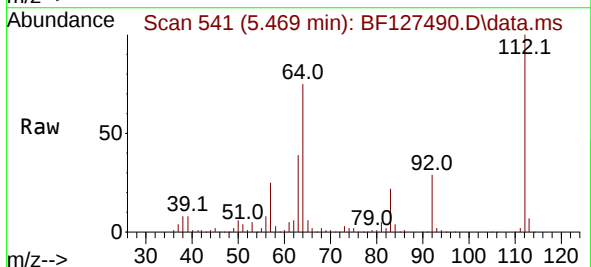
Instrument :
BNA_F
ClientSampleId :
C-15-14-15DL

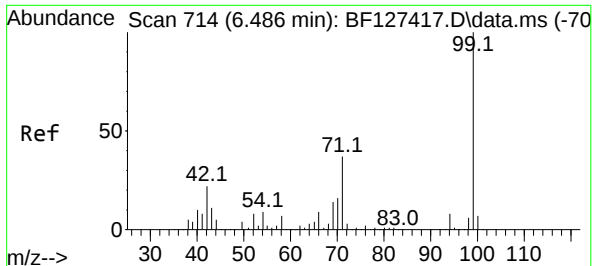
Tgt Ion:152 Resp: 108102
Ion Ratio Lower Upper
152 100
150 143.2 117.2 175.8
115 60.3 49.8 74.6



#5
2-Fluorophenol
Concen: 39.575 ng
RT: 5.469 min Scan# 541
Delta R.T. 0.000 min
Lab File: BF127490.D
Acq: 23 Mar 2022 19:47

Tgt Ion:112 Resp: 268018
Ion Ratio Lower Upper
112 100
64 75.4 58.4 87.6
63 38.6 30.1 45.1

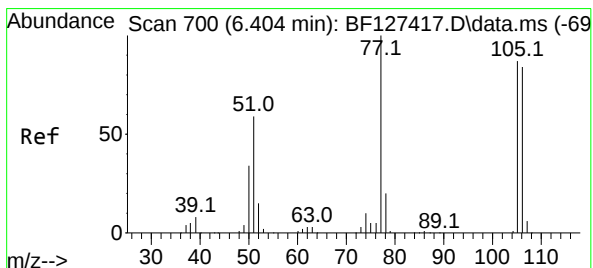
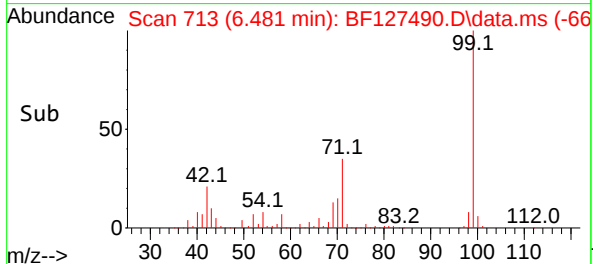
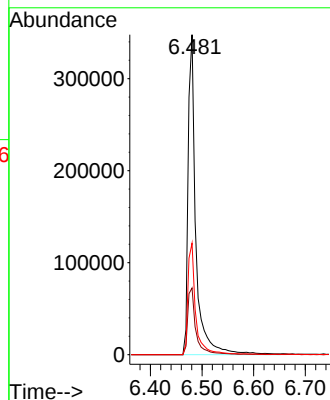
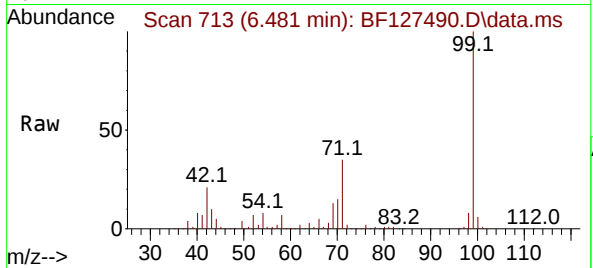




#7
Phenol-d6
Concen: 39.350 ng
RT: 6.481 min Scan# 714
Delta R.T. -0.006 min
Lab File: BF127490.D
Acq: 23 Mar 2022 19:47

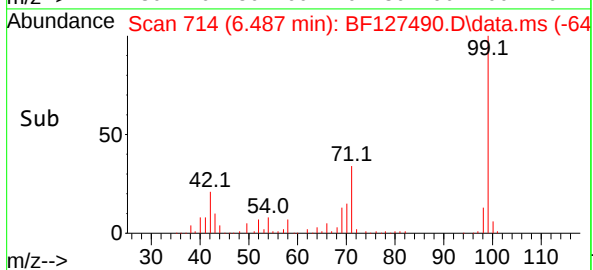
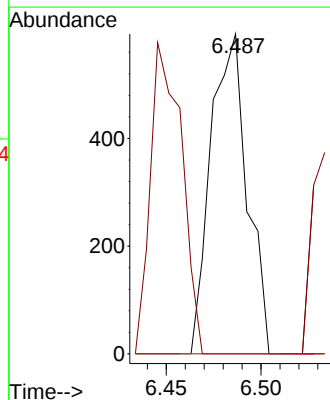
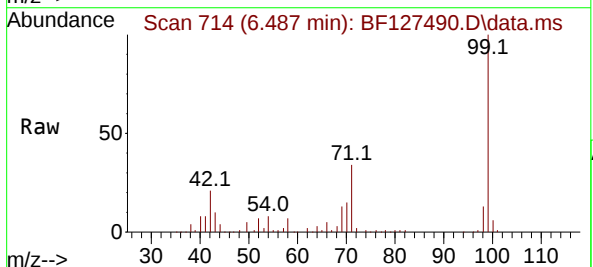
Instrument :
BNA_F
ClientSampleId :
C-15-14-15DL

Tgt Ion: 99 Resp: 364278
Ion Ratio Lower Upper
99 100
42 20.9 17.8 26.6
71 34.9 29.6 44.4



#9
Benzaldehyde
Concen: Below Cal
RT: 6.487 min Scan# 714
Delta R.T. 0.083 min
Lab File: BF127490.D
Acq: 23 Mar 2022 19:47

Tgt Ion: 77 Resp: 795
Ion Ratio Lower Upper
77 100
105 0.0 66.8 106.8#
106 0.0 64.3 104.3#





#19

n-Nitroso-di-n-propylamine

Concen: 5.411 ng

RT: 7.410 min Scan# 81

Delta R.T. 0.147 min

Lab File: BF127490.D

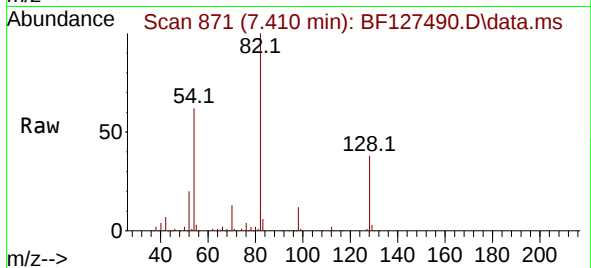
Acq: 23 Mar 2022 19:47

Instrument :

BNA_F

ClientSampleId :

C-15-14-15DL



Tgt Ion: 70 Resp: 30028

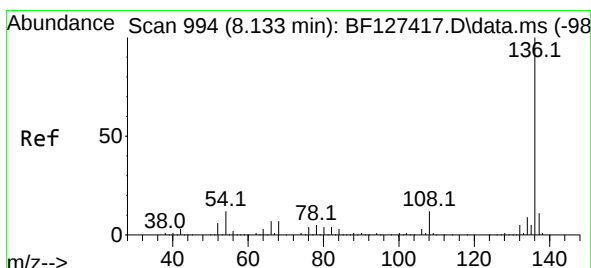
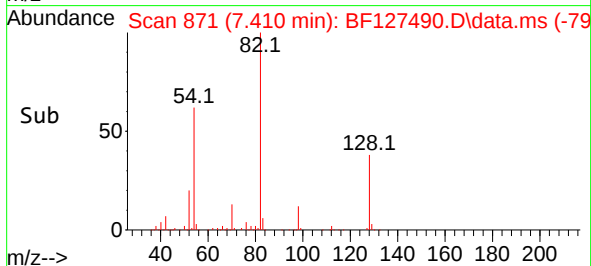
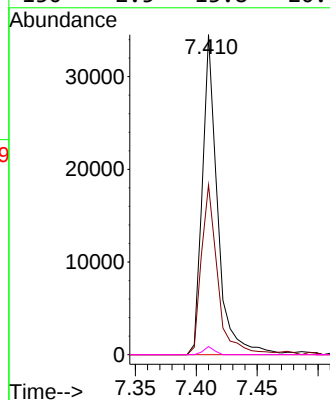
Ion Ratio Lower Upper

70 100

42 53.1 53.0 79.6

101 0.0 6.8 10.2#

130 2.5 13.8 20.6#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.128 min Scan# 993

Delta R.T. -0.006 min

Lab File: BF127490.D

Acq: 23 Mar 2022 19:47

Tgt Ion: 136 Resp: 390027

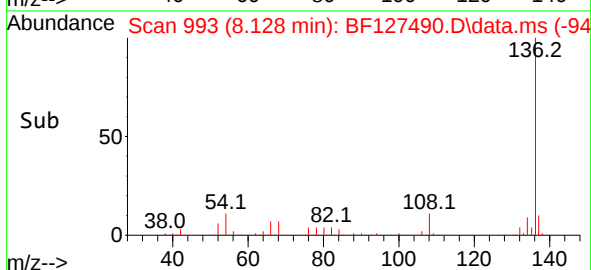
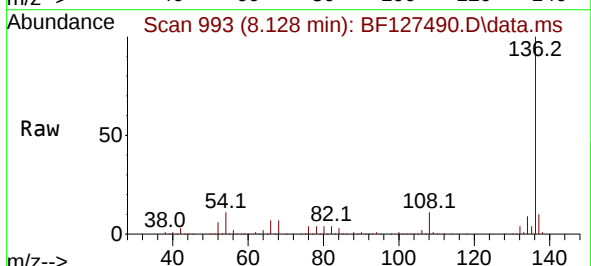
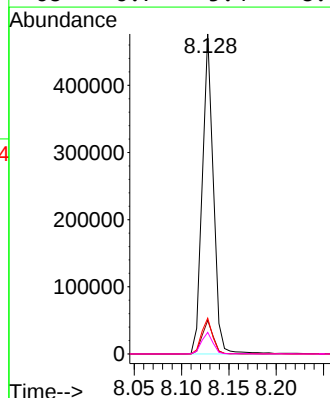
Ion Ratio Lower Upper

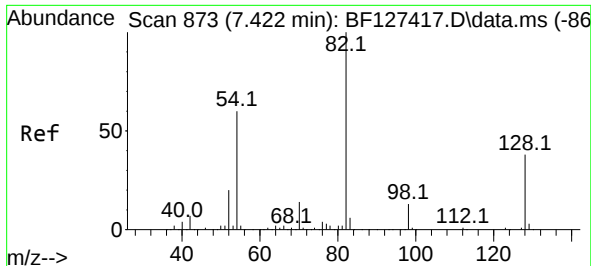
136 100

137 10.5 8.6 13.0

54 11.2 9.2 13.8

68 6.7 5.4 8.0





#23

Nitrobenzene-d5

Concen: 25.261 ng

RT: 7.410 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF127490.D

Acq: 23 Mar 2022 19:47

Instrument :

BNA_F

ClientSampleId :

C-15-14-15DL

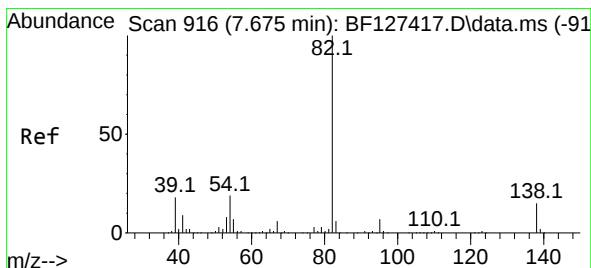
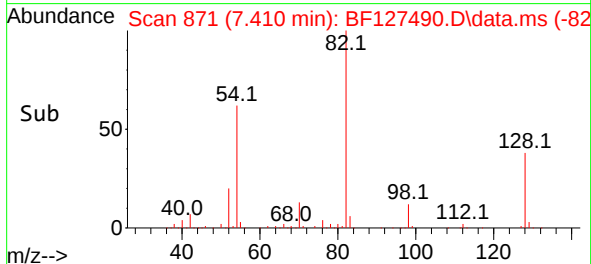
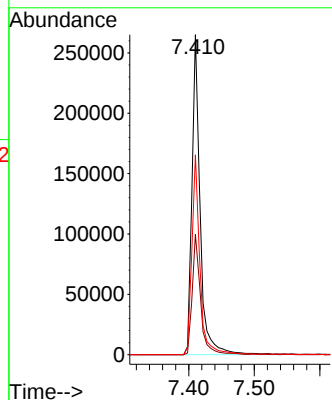
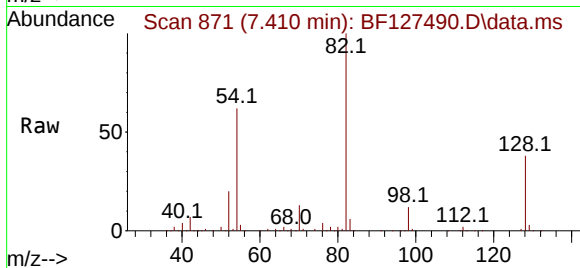
Tgt Ion: 82 Resp: 230491

Ion Ratio Lower Upper

82 100

128 37.7 30.6 45.8

54 62.4 48.2 72.2



#25

Isophorone

Concen: 15.860 ng

RT: 7.410 min Scan# 871

Delta R.T. -0.265 min

Lab File: BF127490.D

Acq: 23 Mar 2022 19:47

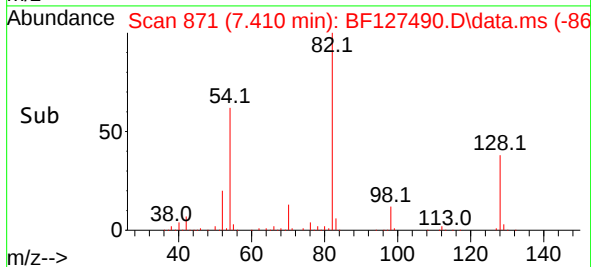
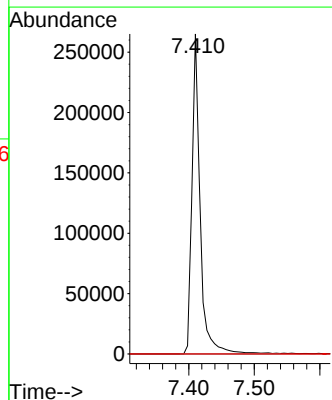
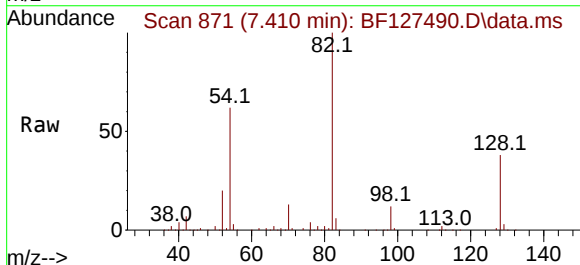
Tgt Ion: 82 Resp: 230491

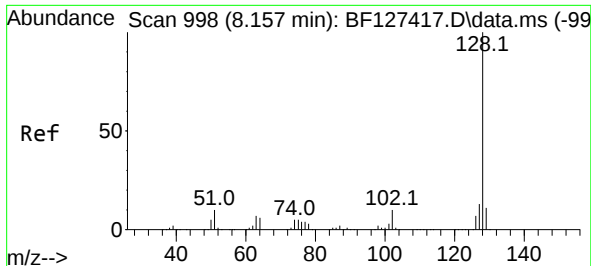
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

138 0.0 11.6 17.4#

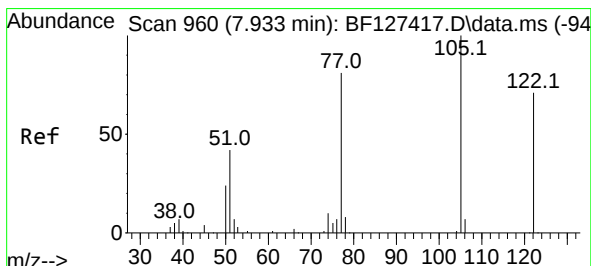
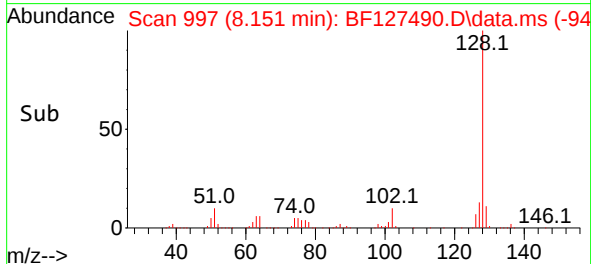
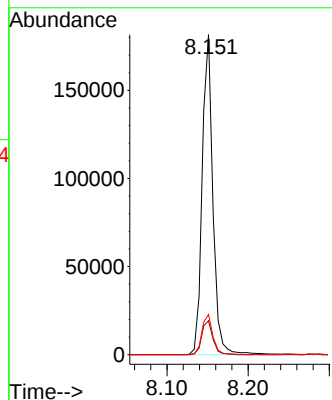
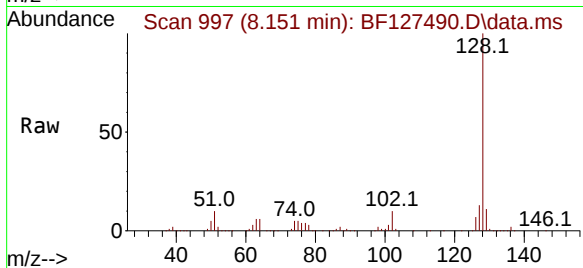




#31
Naphthalene
Concen: 8.045 ng
RT: 8.151 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF127490.D
Acq: 23 Mar 2022 19:47

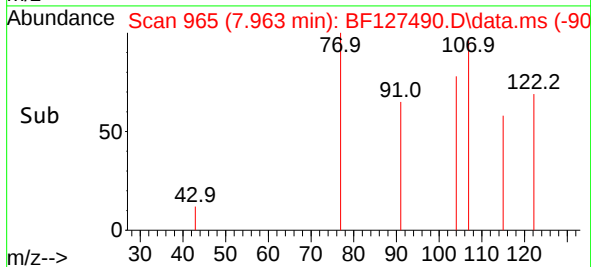
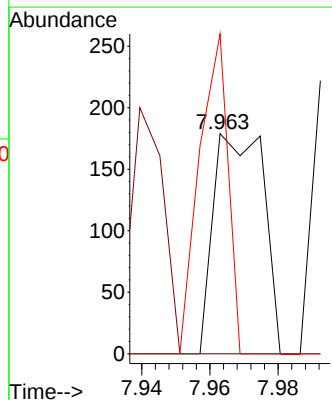
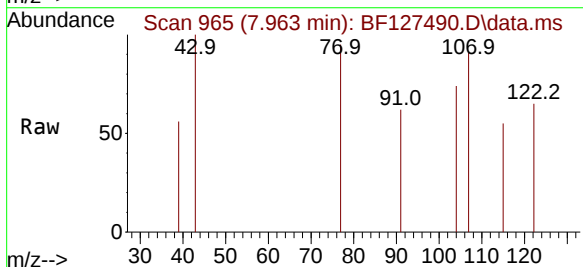
Instrument :
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C-15-14-15DL

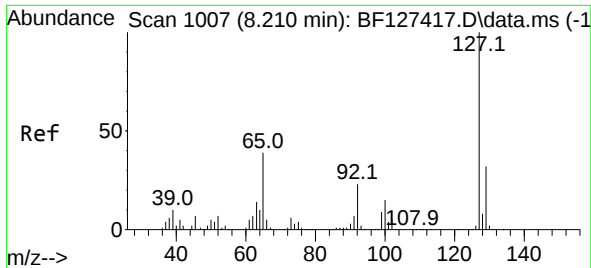
Tgt Ion:128 Resp: 166599
Ion Ratio Lower Upper
128 100
129 10.6 8.4 12.6
127 12.6 10.2 15.2



#32
Benzoic acid
Concen: 6.093 ng
RT: 7.963 min Scan# 965
Delta R.T. 0.030 min
Lab File: BF127490.D
Acq: 23 Mar 2022 19:47

Tgt Ion:122 Resp: 183
Ion Ratio Lower Upper
122 100
105 0.0 117.1 157.1#
77 145.3 93.0 133.0#

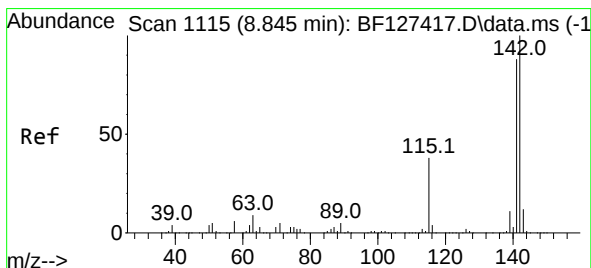
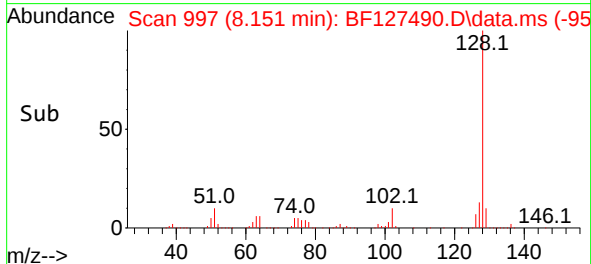
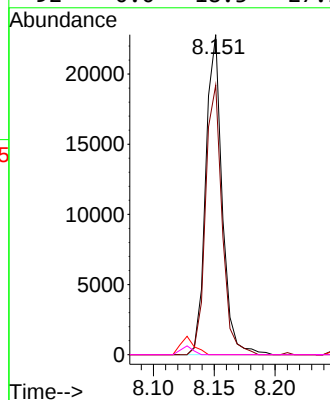
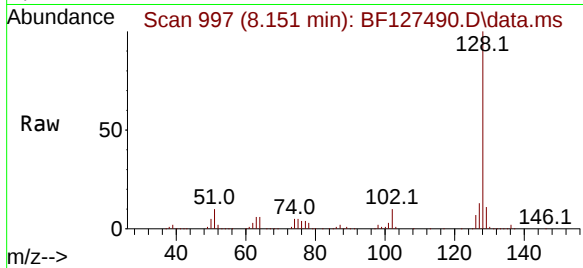




#33
4-Chloroaniline
Concen: 2.671 ng
RT: 8.151 min Scan# 997
Delta R.T. -0.059 min
Lab File: BF127490.D
Acq: 23 Mar 2022 19:47

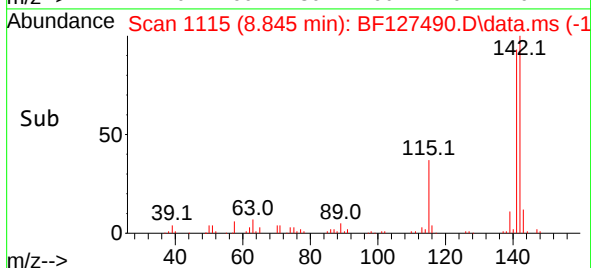
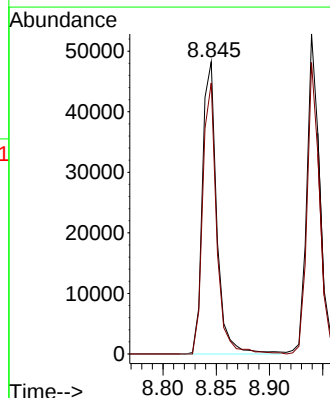
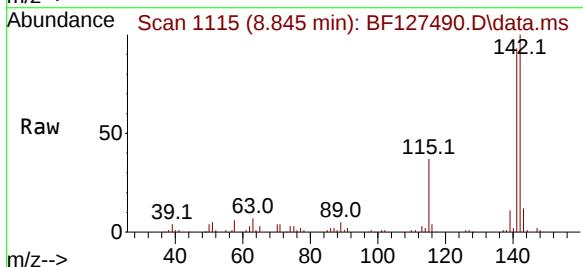
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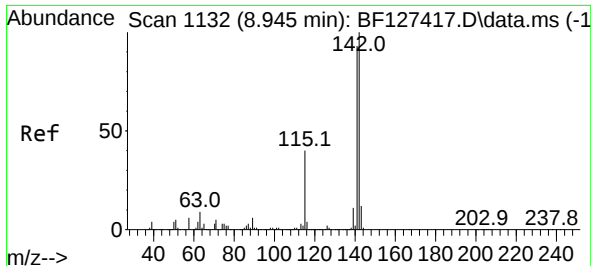
Tgt Ion:127	Resp:	21432
Ion Ratio	Lower	Upper
127	100	
129	84.3	25.9 38.9#
65	0.0	31.4 47.0#
92	0.0	18.3 27.5#



#37
2-Methylnaphthalene
Concen: 3.412 ng
RT: 8.845 min Scan# 1115
Delta R.T. 0.000 min
Lab File: BF127490.D
Acq: 23 Mar 2022 19:47

Tgt Ion:142	Resp:	45431
Ion Ratio	Lower	Upper
142	100	
141	92.8	70.6 106.0

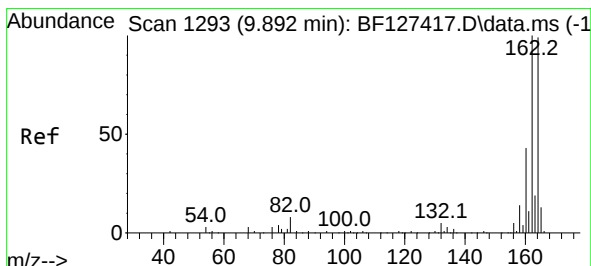
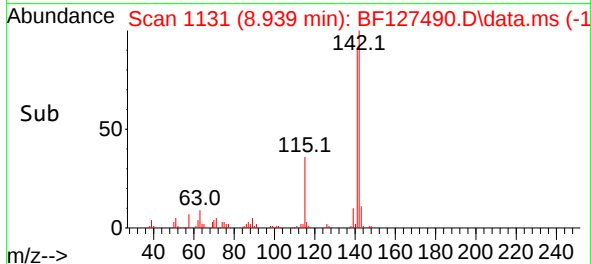
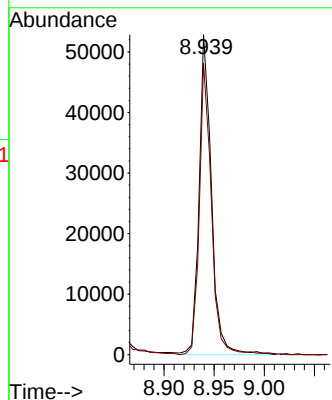
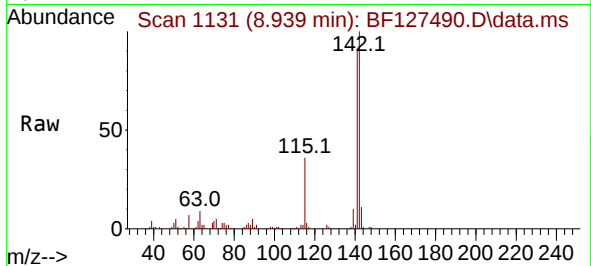




#38
1-Methylnaphthalene
Concen: 3.446 ng
RT: 8.939 min Scan# 1131
Delta R.T. -0.006 min
Lab File: BF127490.D
Acq: 23 Mar 2022 19:47

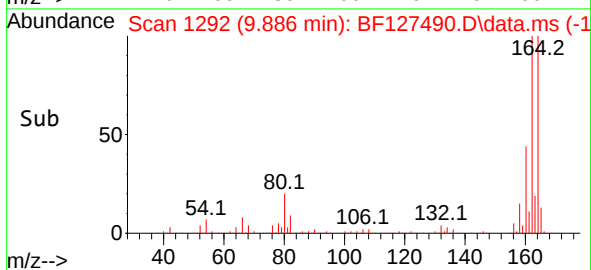
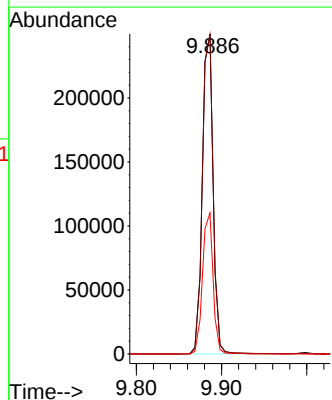
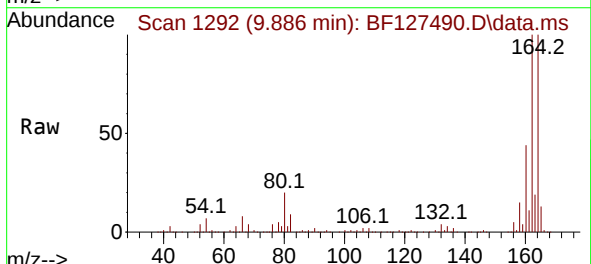
Instrument :
BNA_F
ClientSampleId :
C-15-14-15DL

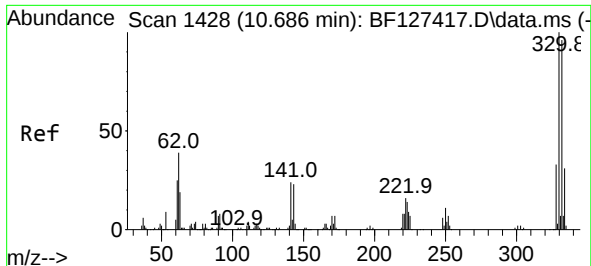
Tgt Ion:142 Resp: 45368
Ion Ratio Lower Upper
142 100
141 91.1 74.2 111.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1292
Delta R.T. -0.006 min
Lab File: BF127490.D
Acq: 23 Mar 2022 19:47

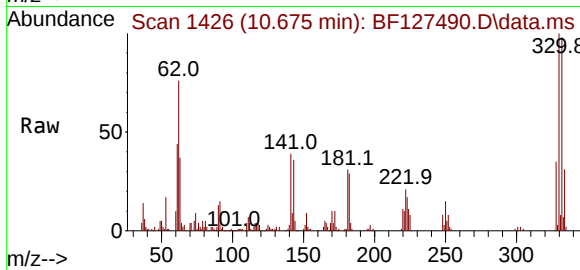
Tgt Ion:164 Resp: 219246
Ion Ratio Lower Upper
164 100
162 99.7 81.2 121.8
160 44.1 34.6 52.0



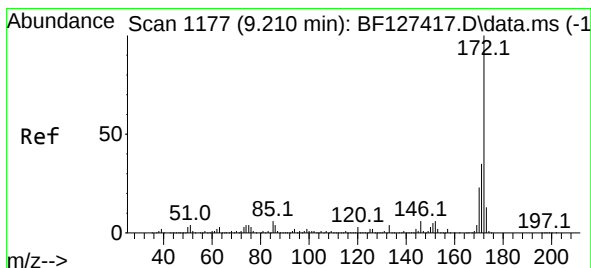
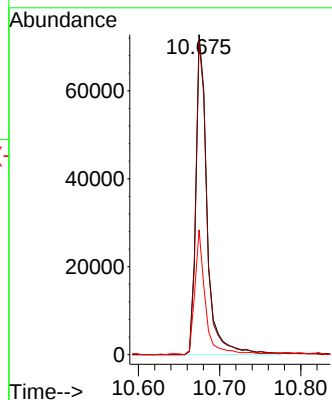
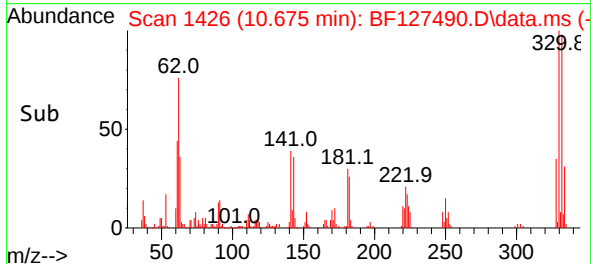


#42
2,4,6-Tribromophenol
Concen: 30.541 ng
RT: 10.675 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF127490.D
Acq: 23 Mar 2022 19:47

Instrument :
BNA_F
ClientSampleId :
C-15-14-15DL

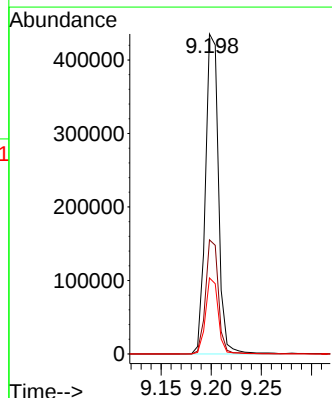
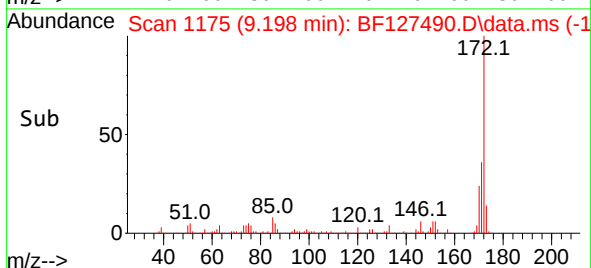
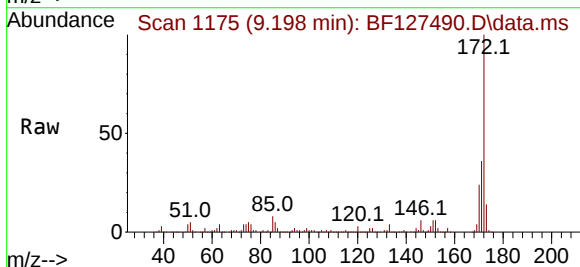


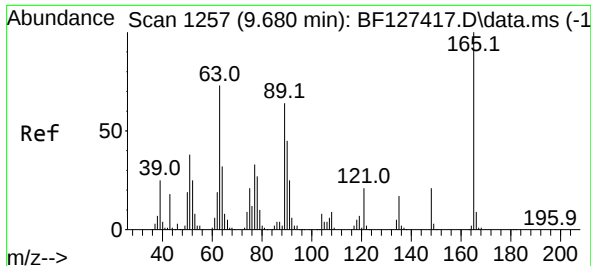
Tgt Ion: 330 Resp: 71329
Ion Ratio Lower Upper
330 100
332 97.9 79.1 118.7
141 36.5 26.2 39.4



#45
2-Fluorobiphenyl
Concen: 26.424 ng
RT: 9.198 min Scan# 1175
Delta R.T. -0.012 min
Lab File: BF127490.D
Acq: 23 Mar 2022 19:47

Tgt Ion: 172 Resp: 396743
Ion Ratio Lower Upper
172 100
171 35.7 28.4 42.6
170 23.8 18.6 27.8





#51

2,6-Dinitrotoluene

Concen: 9.473 ng

RT: 9.886 min Scan# 1292

Delta R.T. 0.206 min

Lab File: BF127490.D

Acq: 23 Mar 2022 19:47

Instrument :

BNA_F

ClientSampleId :

C-15-14-15DL

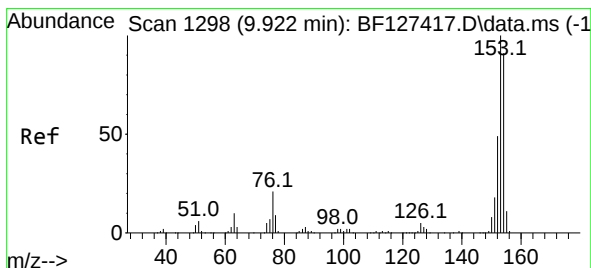
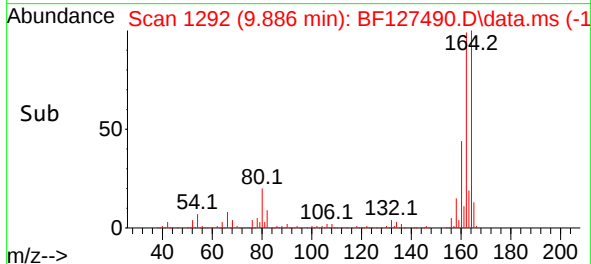
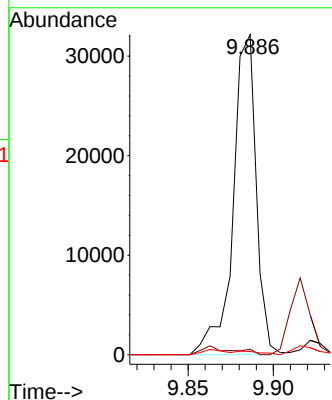
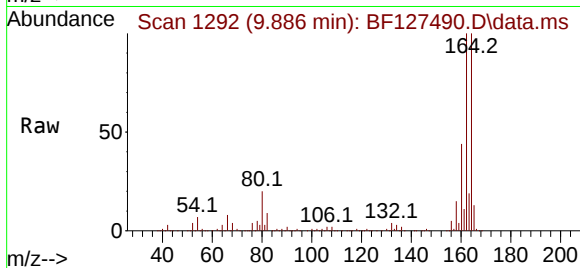
Tgt Ion:165 Resp: 30330

Ion Ratio Lower Upper

165 100

63 1.7 58.3 87.5#

89 1.0 51.5 77.3#



#52

Acenaphthene

Concen: 4.955 ng

RT: 9.916 min Scan# 1297

Delta R.T. -0.006 min

Lab File: BF127490.D

Acq: 23 Mar 2022 19:47

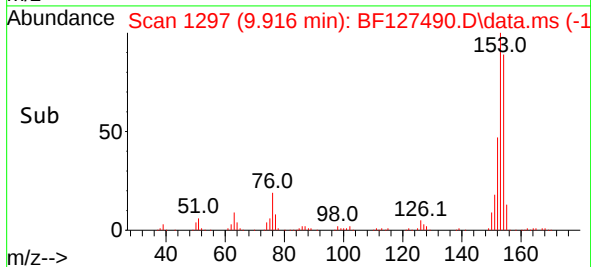
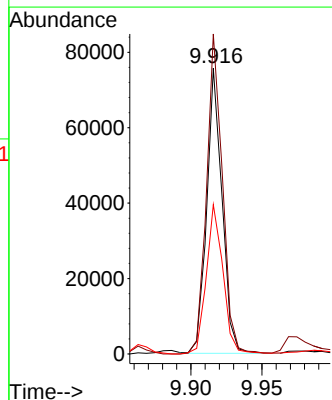
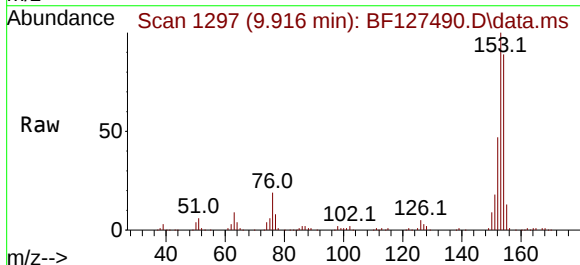
Tgt Ion:154 Resp: 56988

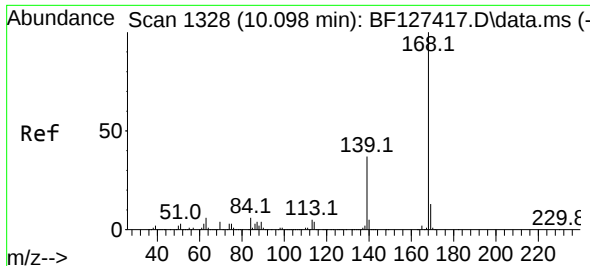
Ion Ratio Lower Upper

154 100

153 112.0 87.6 131.4

152 52.3 42.9 64.3

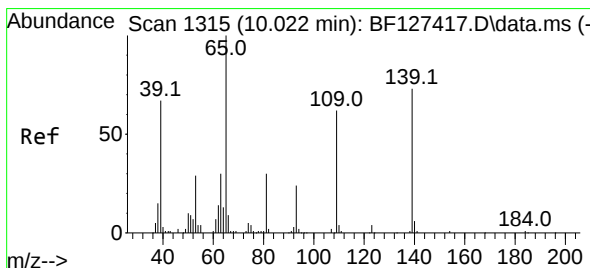
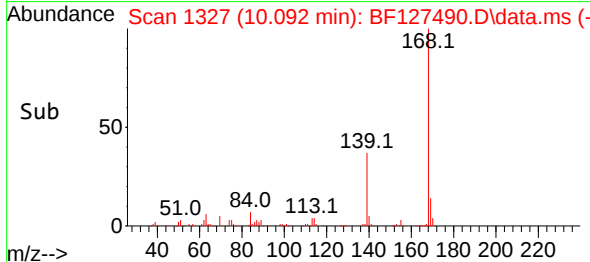
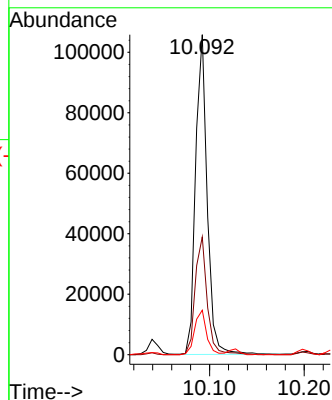
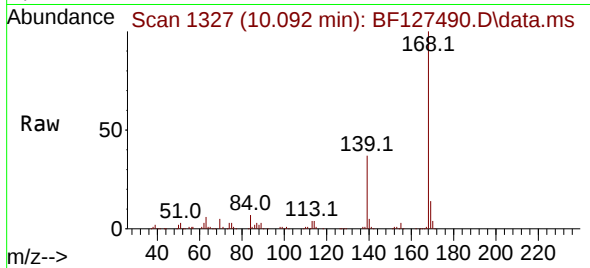




#55
Dibenzenofuran
Concen: 2.288 ng
RT: 10.092 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF127490.D
Acq: 23 Mar 2022 19:47

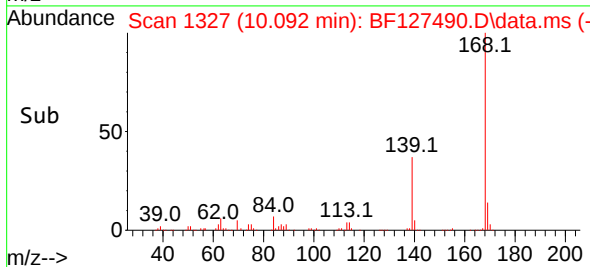
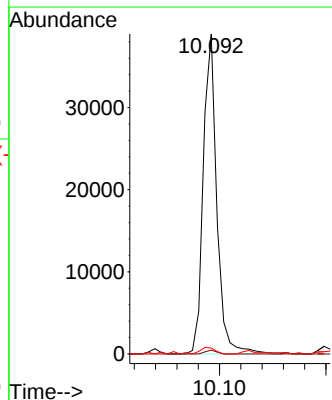
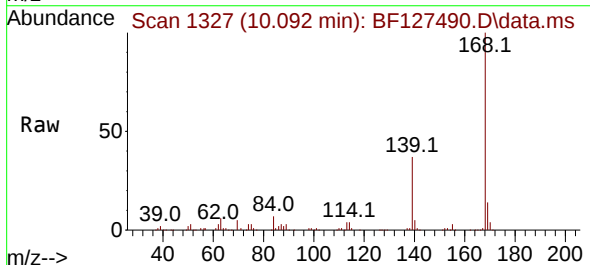
Instrument :
BNA_F
ClientSampleId :
C-15-14-15DL

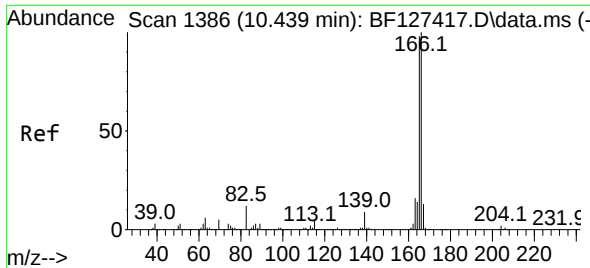
Tgt Ion:168 Resp: 90147
Ion Ratio Lower Upper
168 100
139 36.8 30.3 45.5
169 13.9 10.8 16.2



#56
4-Nitrophenol
Concen: 19.281 ng
RT: 10.092 min Scan# 1327
Delta R.T. 0.070 min
Lab File: BF127490.D
Acq: 23 Mar 2022 19:47

Tgt Ion:139 Resp: 34465
Ion Ratio Lower Upper
139 100
109 1.2 64.3 104.3#
65 1.9 117.5 157.5#

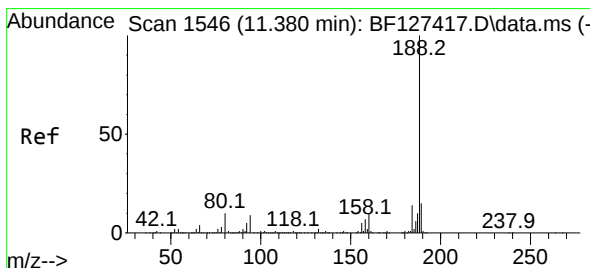
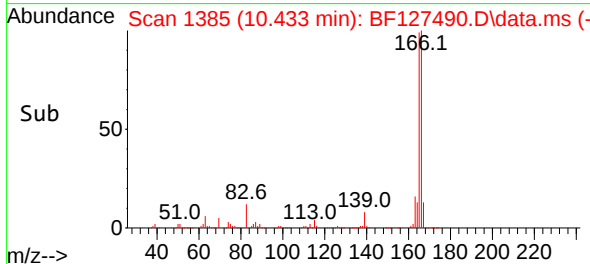
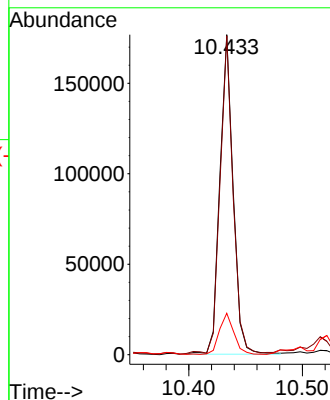
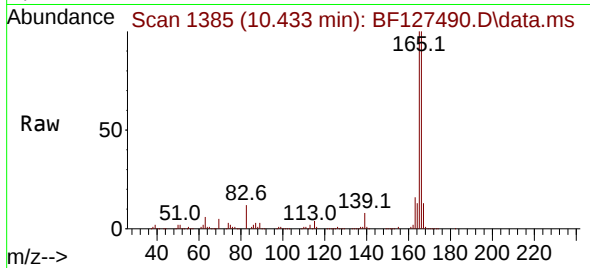




#58
 Fluorene
 Concen: 8.822 ng
 RT: 10.433 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF127490.D
 Acq: 23 Mar 2022 19:47

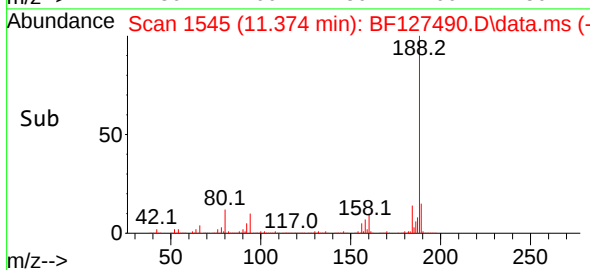
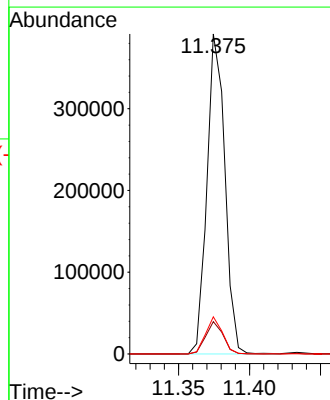
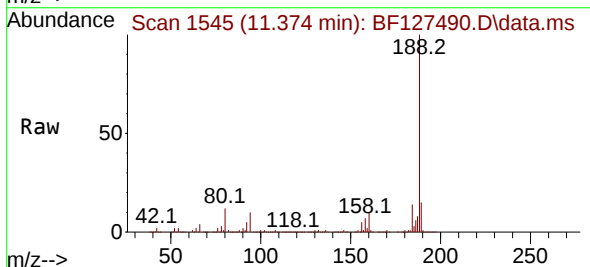
Instrument :
 BNA_F
 ClientSampleId :
 C-15-14-15DL

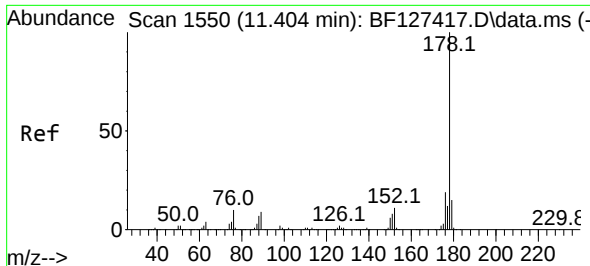
Tgt Ion:166 Resp: 143587
 Ion Ratio Lower Upper
 166 100
 165 99.6 78.1 117.1
 167 13.0 10.5 15.7



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.374 min Scan# 1545
 Delta R.T. -0.006 min
 Lab File: BF127490.D
 Acq: 23 Mar 2022 19:47

Tgt Ion:188 Resp: 343208
 Ion Ratio Lower Upper
 188 100
 94 10.1 7.4 11.0
 80 11.6 8.0 12.0

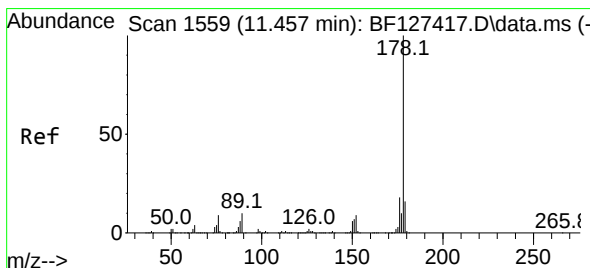
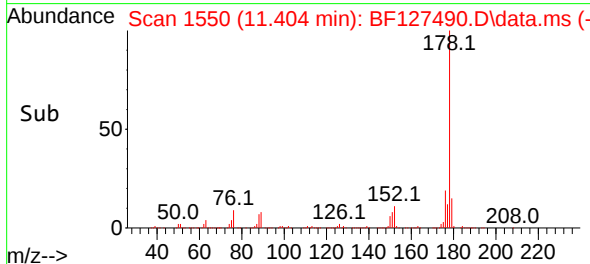
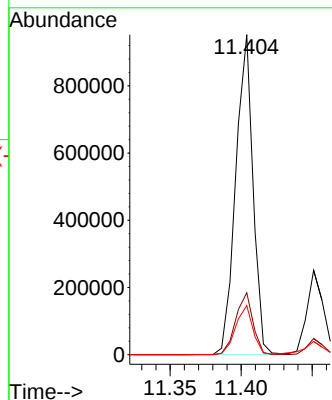
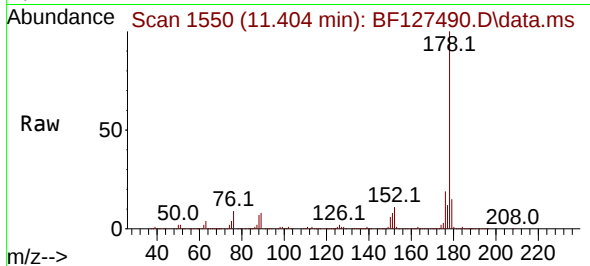




#71
Phenanthrene
Concen: 45.055 ng
RT: 11.404 min Scan# 1550
Delta R.T. 0.000 min
Lab File: BF127490.D
Acq: 23 Mar 2022 19:47

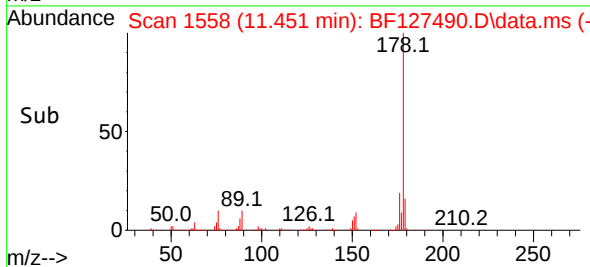
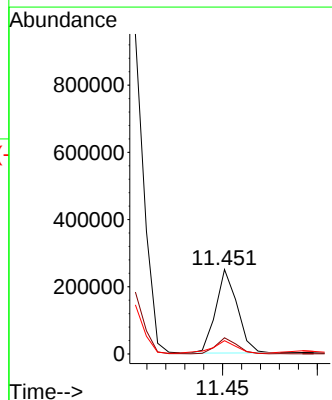
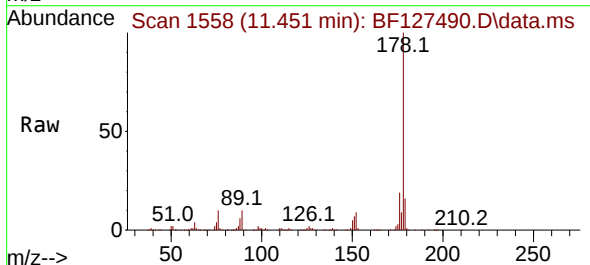
Instrument :
BNA_F
ClientSampleId :
C-15-14-15DL

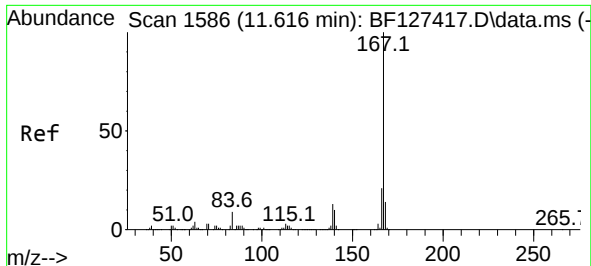
Tgt Ion:178 Resp: 806159
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 15.3 12.4 18.6



#72
Anthracene
Concen: 11.147 ng
RT: 11.451 min Scan# 1558
Delta R.T. -0.006 min
Lab File: BF127490.D
Acq: 23 Mar 2022 19:47

Tgt Ion:178 Resp: 197925
Ion Ratio Lower Upper
178 100
176 19.1 14.6 22.0
179 15.8 12.4 18.6

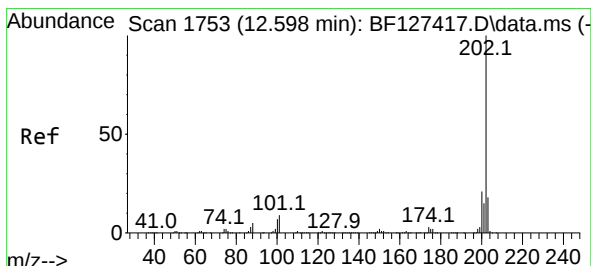
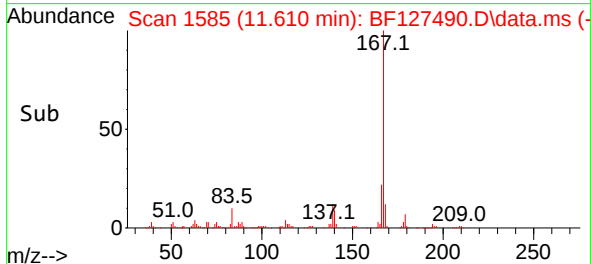
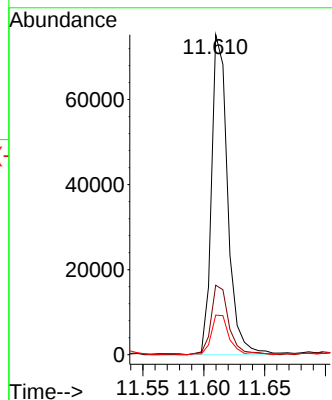
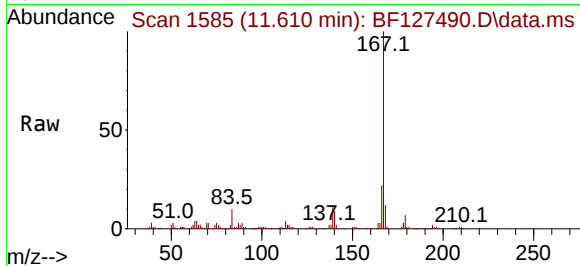




#73
 Carbazole
 Concen: 4.108 ng
 RT: 11.610 min Scan# 1585
 Delta R.T. -0.006 min
 Lab File: BF127490.D
 Acq: 23 Mar 2022 19:47

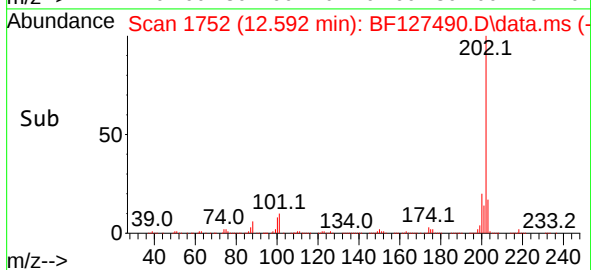
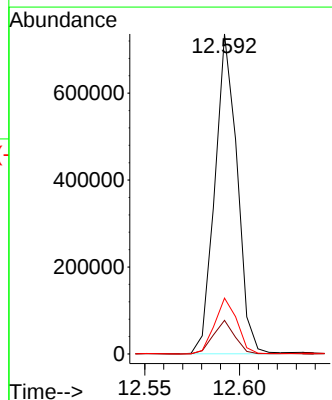
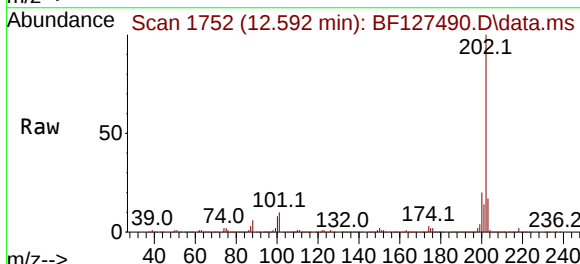
Instrument :
 BNA_F
 ClientSampleId :
 C-15-14-15DL

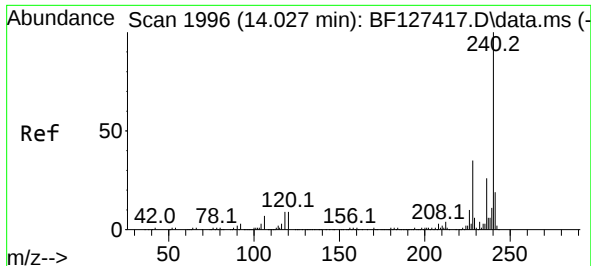
Tgt Ion:167 Resp: 69749
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.0 25.4
 139 12.3 10.5 15.7



#75
 Fluoranthene
 Concen: 30.651 ng
 RT: 12.592 min Scan# 1752
 Delta R.T. -0.006 min
 Lab File: BF127490.D
 Acq: 23 Mar 2022 19:47

Tgt Ion:202 Resp: 603225
 Ion Ratio Lower Upper
 202 100
 101 10.5 0.0 29.0
 203 17.4 0.0 37.7

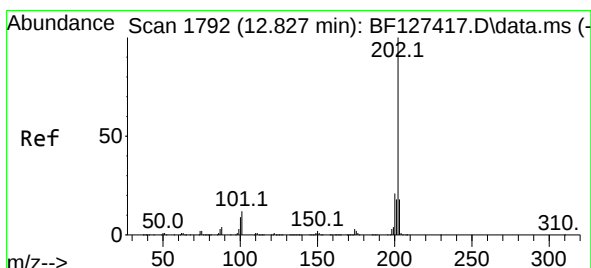
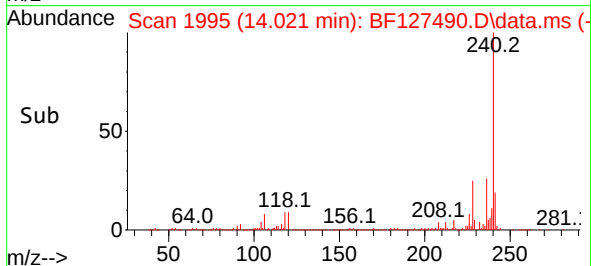
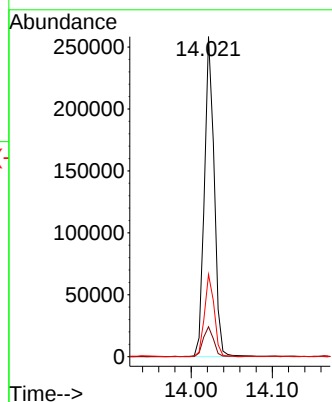
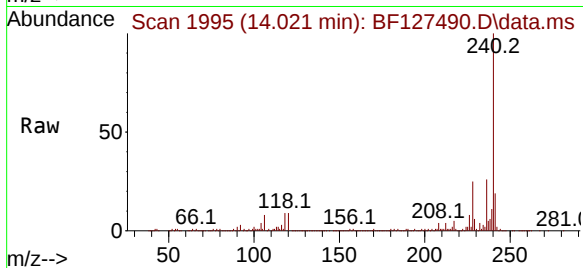




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BF127490.D
Acq: 23 Mar 2022 19:47

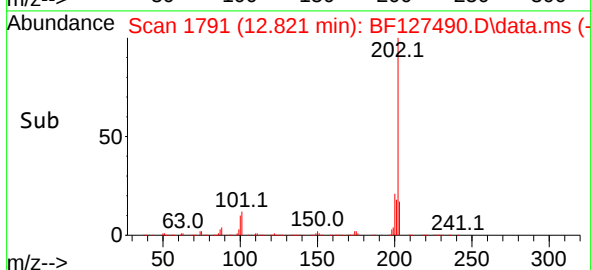
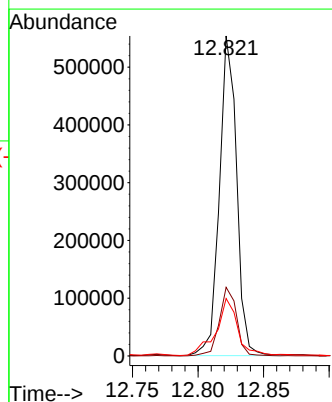
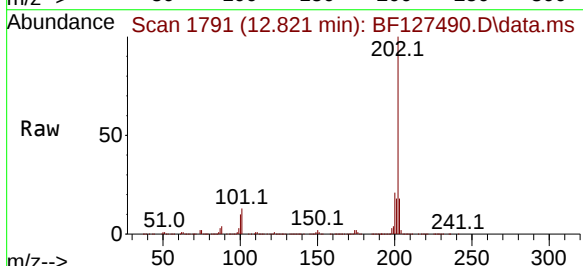
Instrument :
BNA_F
ClientSampleId :
C-15-14-15DL

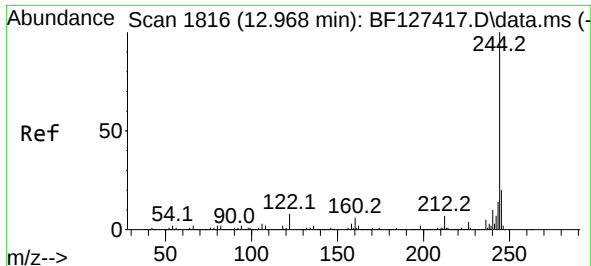
Tgt Ion:240 Resp: 217118
Ion Ratio Lower Upper
240 100
120 9.4 7.1 10.7
236 25.7 20.7 31.1



#78
Pyrene
Concen: 27.089 ng
RT: 12.821 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BF127490.D
Acq: 23 Mar 2022 19:47

Tgt Ion:202 Resp: 504765
Ion Ratio Lower Upper
202 100
200 21.5 17.1 25.7
203 18.0 14.3 21.5

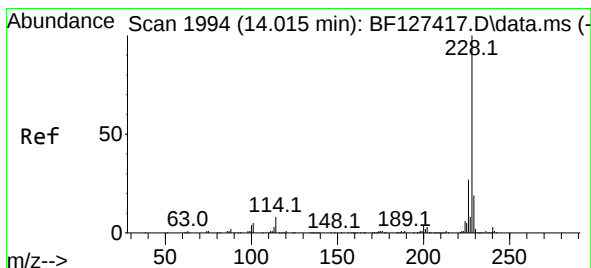
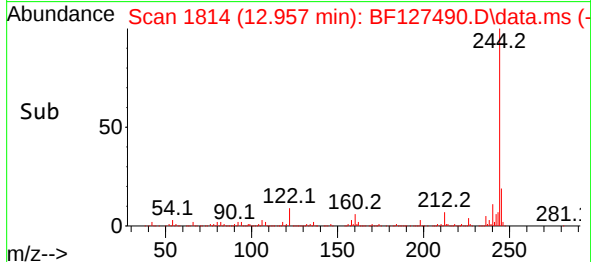
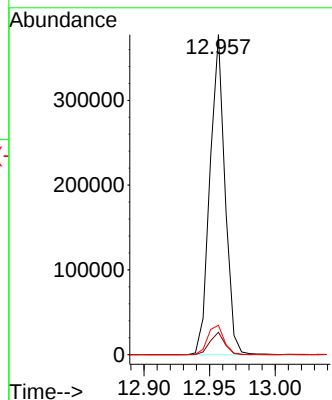
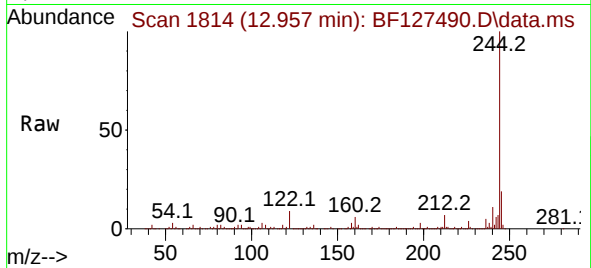




#79
 Terphenyl-d14
 Concen: 22.722 ng
 RT: 12.957 min Scan# 1814
 Delta R.T. -0.012 min
 Lab File: BF127490.D
 Acq: 23 Mar 2022 19:47

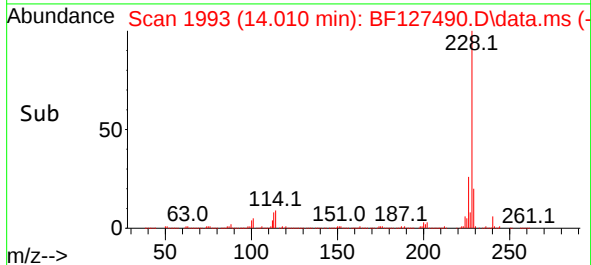
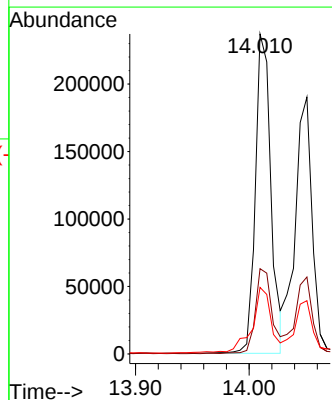
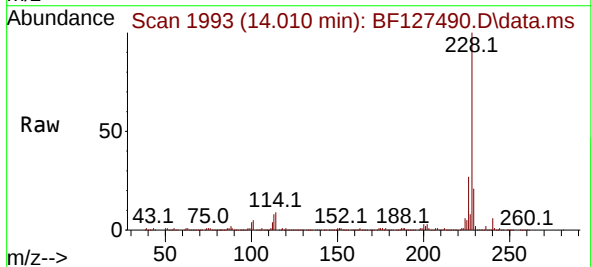
Instrument :
 BNA_F
 ClientSampleId :
 C-15-14-15DL

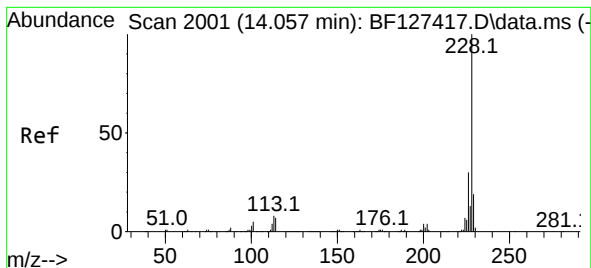
Tgt Ion:244 Resp: 301366
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.7 8.5
 122 9.2 6.2 9.2



#81
 Benzo(a)anthracene
 Concen: 15.501 ng
 RT: 14.010 min Scan# 1993
 Delta R.T. -0.006 min
 Lab File: BF127490.D
 Acq: 23 Mar 2022 19:47

Tgt Ion:228 Resp: 225076
 Ion Ratio Lower Upper
 228 100
 226 26.6 21.6 32.4
 229 20.8 15.4 23.2





#83

Chrysene

Concen: 14.372 ng

RT: 14.051 min Scan# 2000

Delta R.T. -0.006 min

Lab File: BF127490.D

Acq: 23 Mar 2022 19:47

Instrument :

BNA_F

ClientSampleId :

C-15-14-15DL

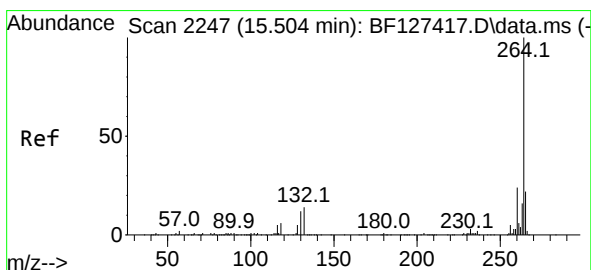
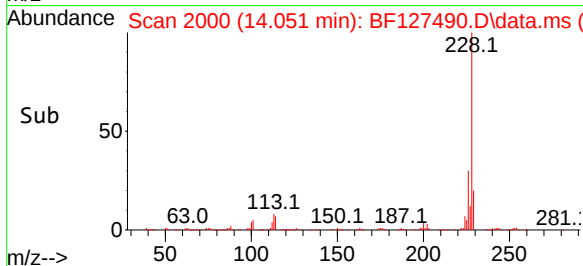
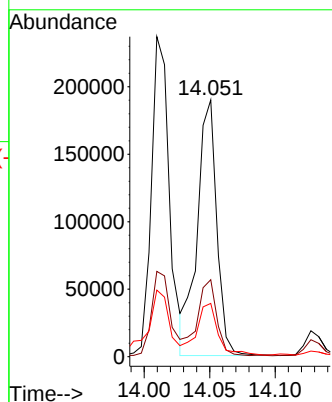
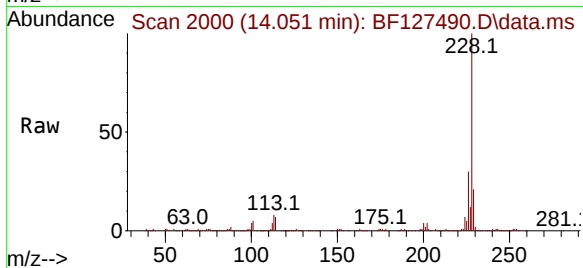
Tgt Ion:228 Resp: 197599

Ion Ratio Lower Upper

228 100

226 30.0 24.2 36.4

229 20.8 15.4 23.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 2247

Delta R.T. 0.000 min

Lab File: BF127490.D

Acq: 23 Mar 2022 19:47

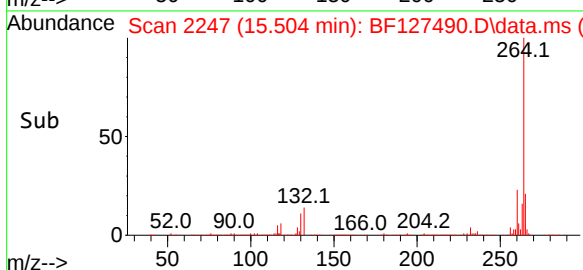
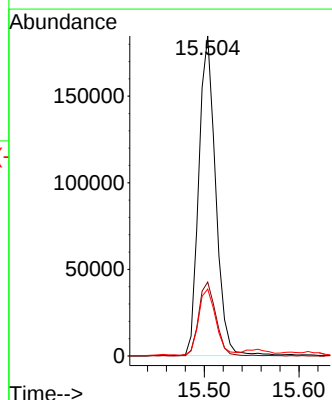
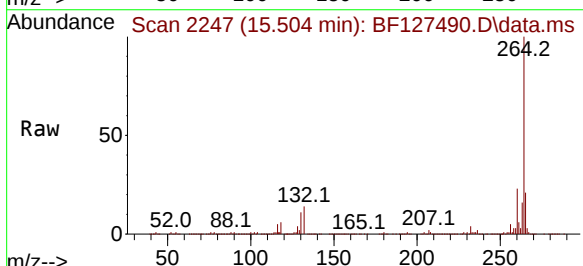
Tgt Ion:264 Resp: 228448

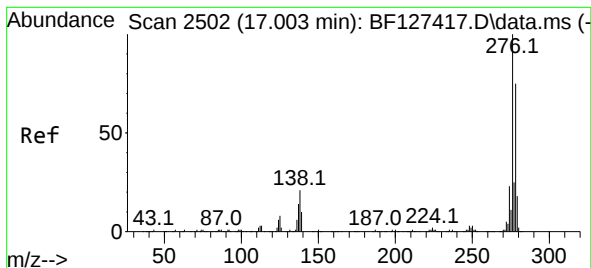
Ion Ratio Lower Upper

264 100

260 23.1 19.1 28.7

265 20.9 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.509 ng

RT: 17.009 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF127490.D

Acq: 23 Mar 2022 19:47

Instrument :

BNA_F

ClientSampleId :

C-15-14-15DL

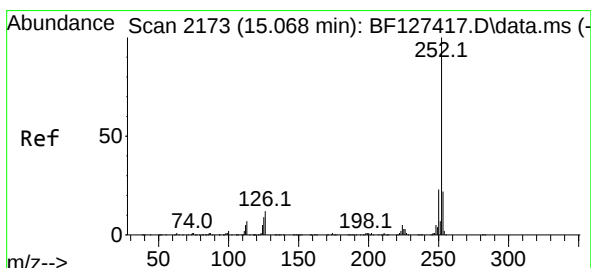
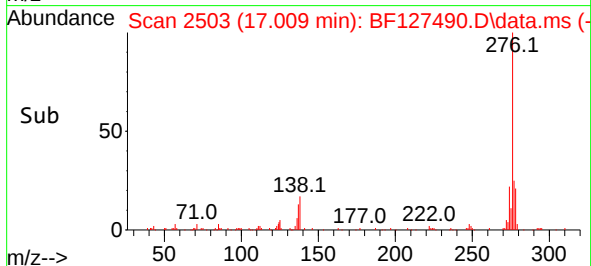
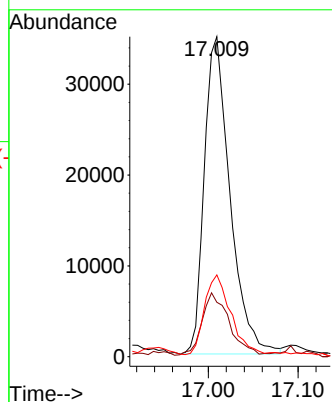
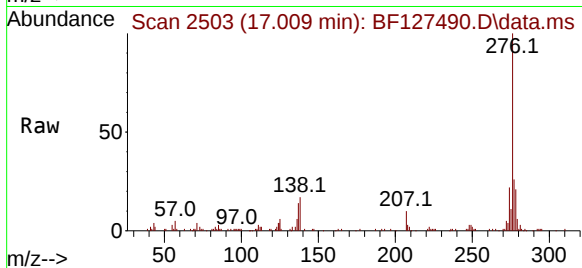
Tgt Ion:276 Resp: 69701

Ion Ratio Lower Upper

276 100

138 20.8 17.1 25.7

277 25.5 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 19.446 ng

RT: 15.068 min Scan# 2173

Delta R.T. 0.000 min

Lab File: BF127490.D

Acq: 23 Mar 2022 19:47

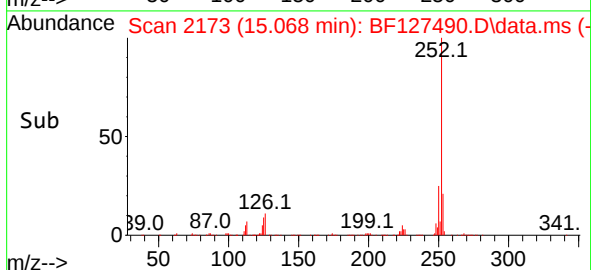
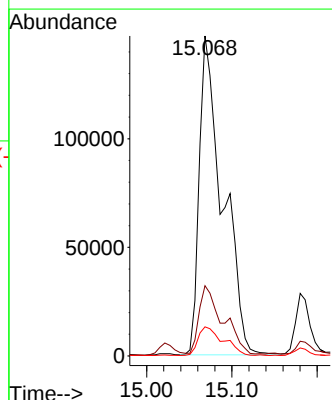
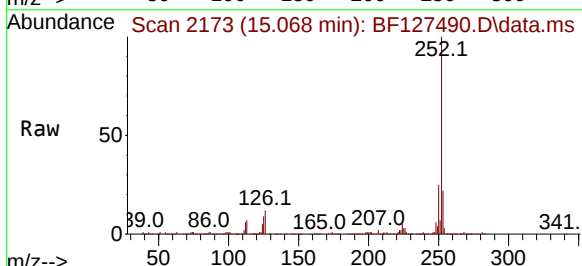
Tgt Ion:252 Resp: 280105

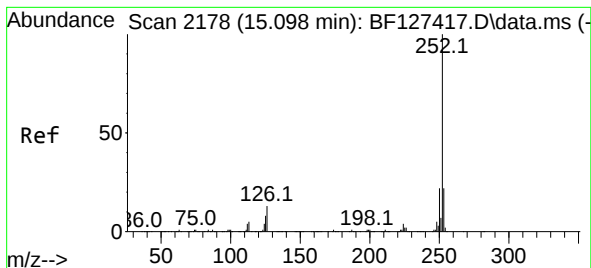
Ion Ratio Lower Upper

252 100

253 22.0 17.9 26.9

125 9.1 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 18.767 ng

RT: 15.068 min Scan# 2173

Delta R.T. -0.030 min

Lab File: BF127490.D

Acq: 23 Mar 2022 19:47

Instrument :

BNA_F

ClientSampleId :

C-15-14-15DL

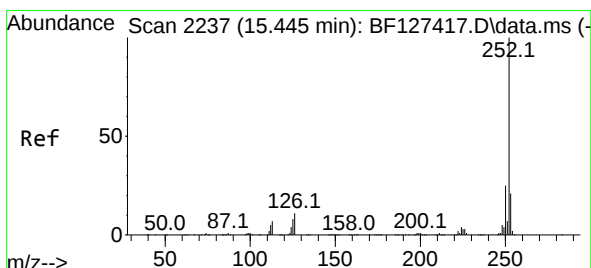
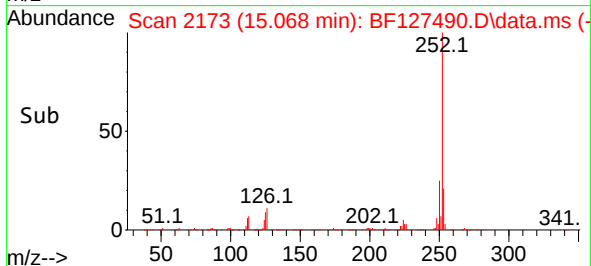
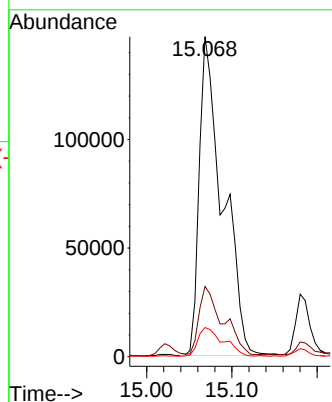
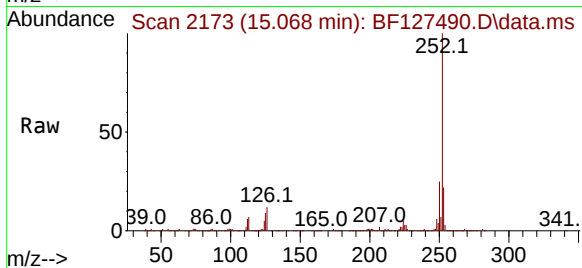
Tgt Ion:252 Resp: 280239

Ion Ratio Lower Upper

252 100

253 22.0 17.3 25.9

125 9.1 6.9 10.3



#90

Benzo(a)pyrene

Concen: 13.827 ng

RT: 15.439 min Scan# 2236

Delta R.T. -0.006 min

Lab File: BF127490.D

Acq: 23 Mar 2022 19:47

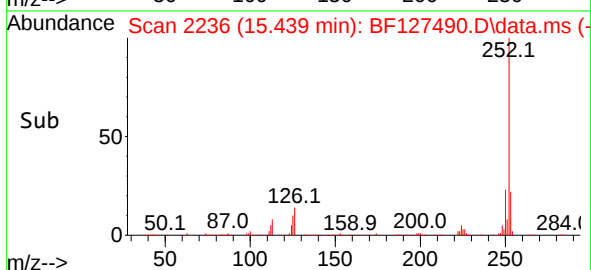
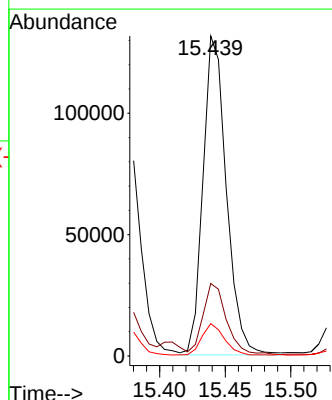
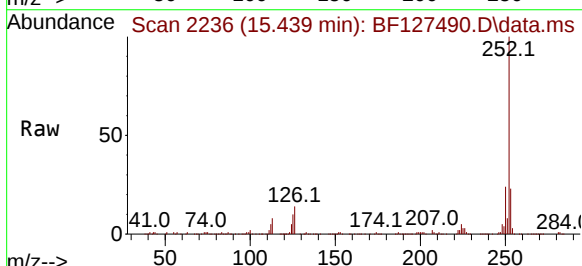
Tgt Ion:252 Resp: 163450

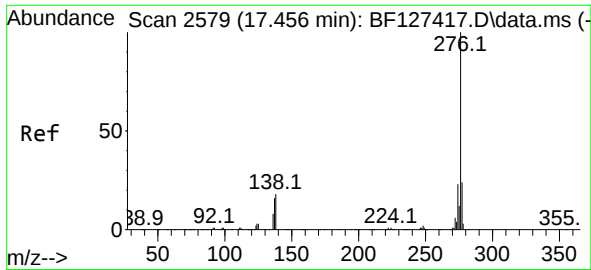
Ion Ratio Lower Upper

252 100

253 22.6 17.0 25.6

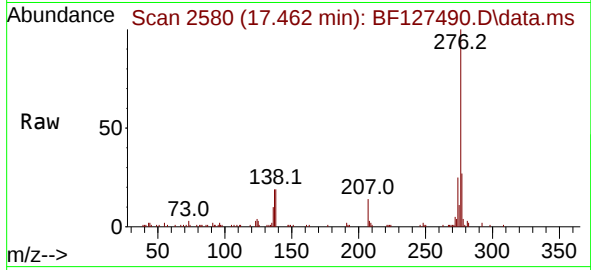
125 10.1 6.7 10.1#





#92
 Benzo(g,h,i)perylene
 Concen: 4.477 ng
 RT: 17.462 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF127490.D
 Acq: 23 Mar 2022 19:47

Instrument :
 BNA_F
 ClientSampleId :
 C-15-14-15DL



Tgt Ion:	276	Resp:	59052
Ion Ratio	Lower	Upper	
276	100		
277	27.1	19.0	28.4
138	18.6	14.6	22.0

