

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041222\
 Data File : BF127772.D
 Acq On : 12 Apr 2022 21:59
 Operator : CG\JU
 Sample : N2367-01 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AU-05-041122

Quant Time: Apr 13 07:26:02 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF040622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 13 07:19:18 2022
 Response via : Initial Calibration

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

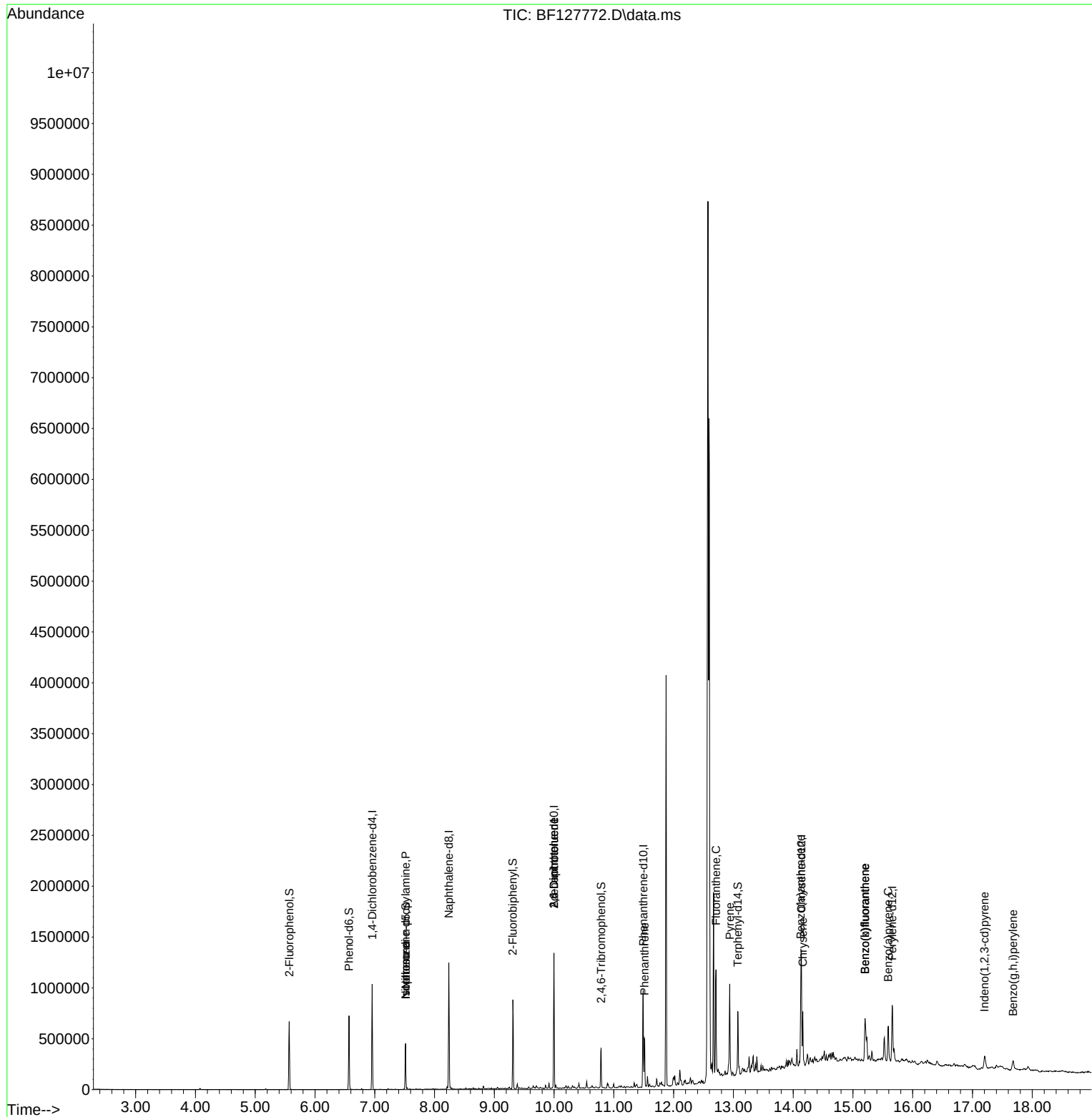
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.957	152	136125	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	464866	20.000	ng	# 0.00
39) Acenaphthene-d10	9.998	164	241945	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	356605	20.000	ng	0.00
76) Chrysene-d12	14.139	240	336182	20.000	ng	0.00
86) Perylene-d12	15.656	264	280695	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	155564	18.569	ng	-0.01
7) Phenol-d6	6.569	99	192018	17.521	ng	-0.01
23) Nitrobenzene-d5	7.516	82	128180	12.293	ng	-0.01
42) 2,4,6-Tribromophenol	10.786	330	44995	17.476	ng	0.00
45) 2-Fluorobiphenyl	9.310	172	240765	14.078	ng	-0.01
79) Terphenyl-d14	13.074	244	203130	9.973	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.569	77	463	Below Cal	#	7
19) n-Nitroso-di-n-propyla...	7.516	70	17636	2.488	ng	# 71
25) Isophorone	7.516	82	128179	7.045	ng	# 70
51) 2,6-Dinitrotoluene	9.998	165	31216	9.443	ng	# 17
57) 2,4-Dinitrotoluene	9.998	165	31216	7.617	ng	# 13
71) Phenanthrene	11.516	178	180067	9.530	ng	99
75) Fluoranthene	12.710	202	397428	19.276	ng	99
78) Pyrene	12.939	202	339276	11.951	ng	99
81) Benzo(a)anthracene	14.127	228	210577	9.378	ng	95
83) Chrysene	14.162	228	190676	8.847	ng	98
87) Indeno(1,2,3-cd)pyrene	17.203	276	89212	5.087	ng	97
88) Benzo(b)fluoranthene	15.204	252	360553	19.967	ng	97
89) Benzo(k)fluoranthene	15.204	252	360553	20.132	ng	96
90) Benzo(a)pyrene	15.592	252	178181	12.140	ng	96
92) Benzo(g,h,i)perylene	17.680	276	79700	5.471	ng	98

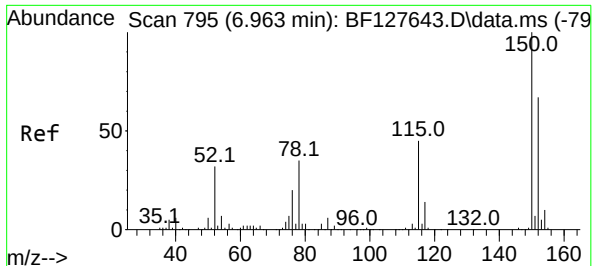
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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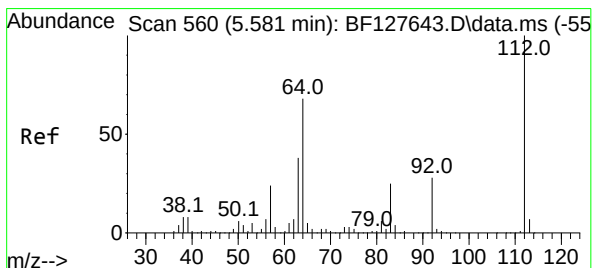
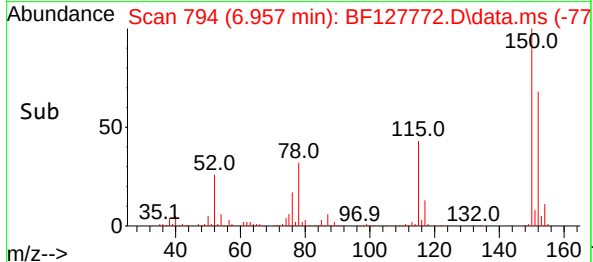
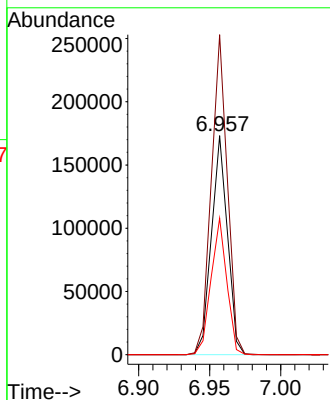
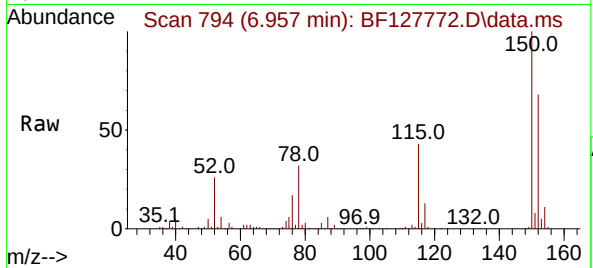




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.957 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF127772.D
Acq: 12 Apr 2022 21:59

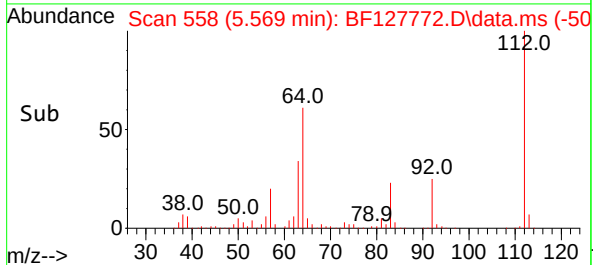
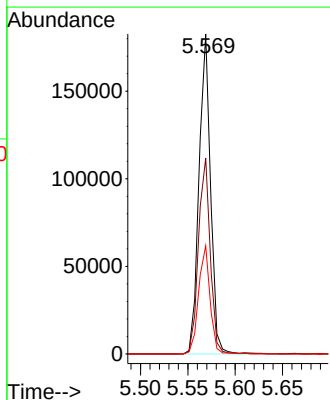
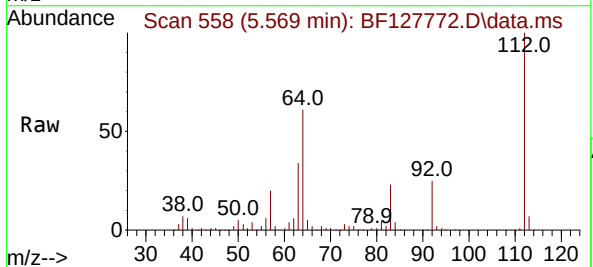
Instrument :
BNA_F
ClientSampleId :
AU-05-041122

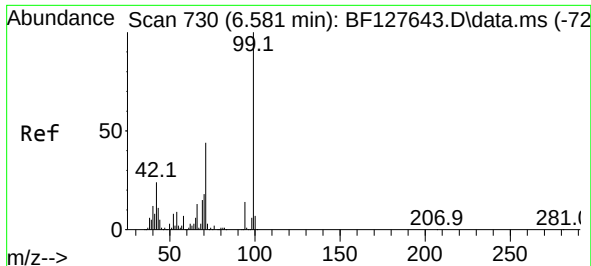
Tgt Ion:152 Resp: 136125
Ion Ratio Lower Upper
152 100
150 146.1 117.2 175.8
115 62.3 49.8 74.6



#5
2-Fluorophenol
Concen: 18.569 ng
RT: 5.569 min Scan# 558
Delta R.T. -0.012 min
Lab File: BF127772.D
Acq: 12 Apr 2022 21:59

Tgt Ion:112 Resp: 155564
Ion Ratio Lower Upper
112 100
64 61.3 58.4 87.6
63 33.8 30.1 45.1

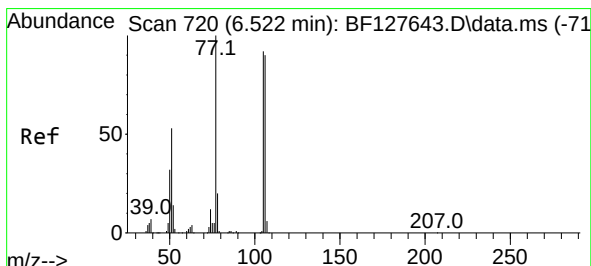
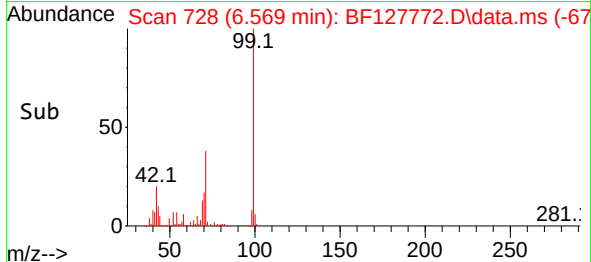
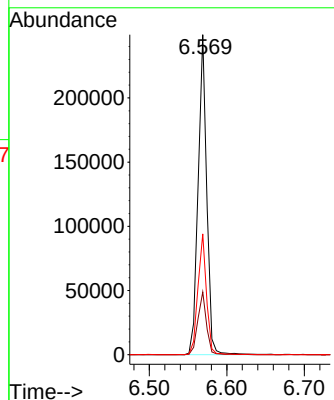
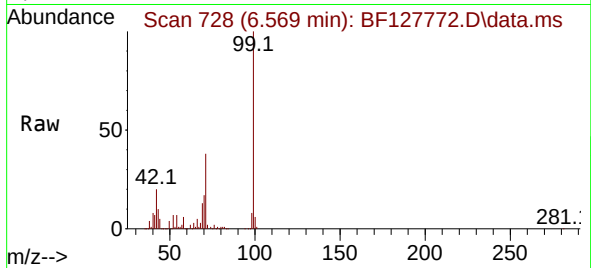




#7
Phenol-d6
Concen: 17.521 ng
RT: 6.569 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF127772.D
Acq: 12 Apr 2022 21:59

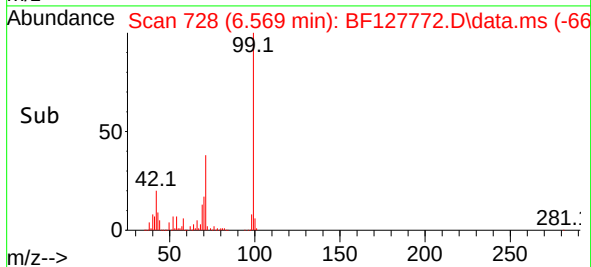
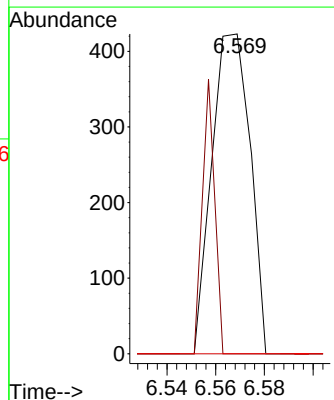
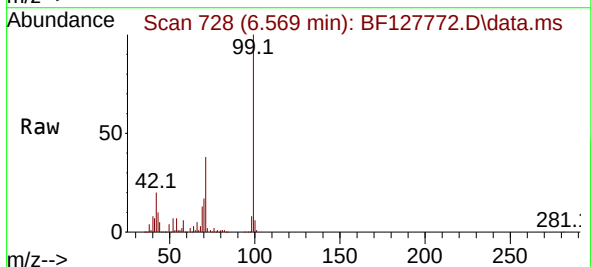
Instrument :
BNA_F
ClientSampleId :
AU-05-041122

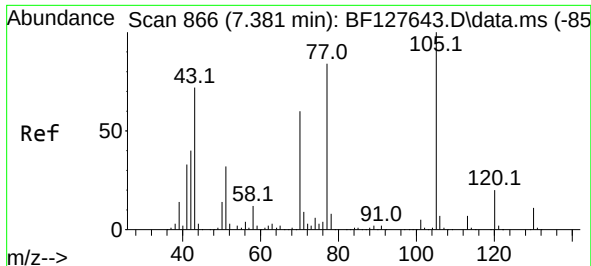
Tgt Ion: 99 Resp: 192018
Ion Ratio Lower Upper
99 100
42 19.6 17.8 26.6
71 37.7 29.6 44.4



#9
Benzaldehyde
Concen: Below Cal
RT: 6.569 min Scan# 728
Delta R.T. 0.053 min
Lab File: BF127772.D
Acq: 12 Apr 2022 21:59

Tgt Ion: 77 Resp: 463
Ion Ratio Lower Upper
77 100
105 0.0 66.8 106.8#
106 0.0 64.3 104.3#

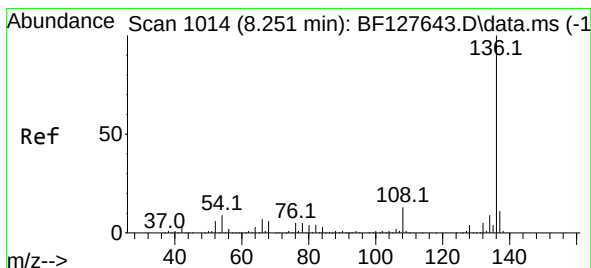
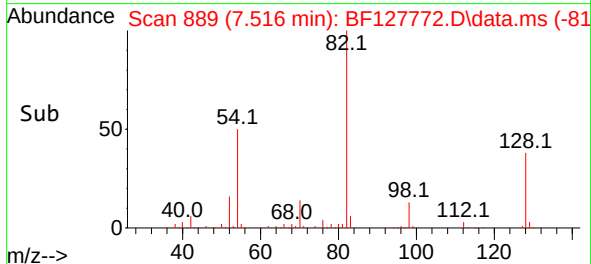
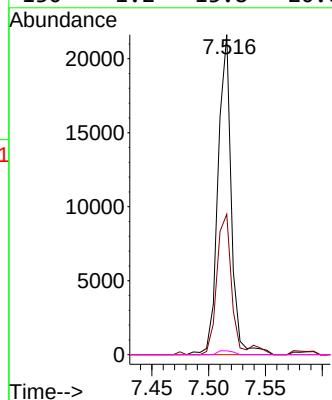
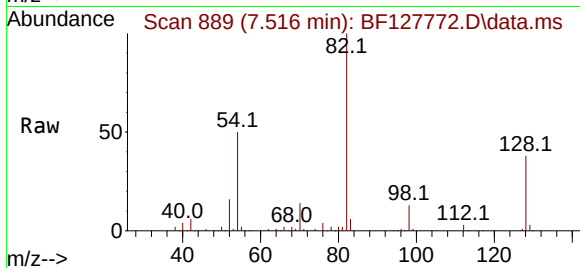




#19
n-Nitroso-di-n-propylamine
Concen: 2.488 ng
RT: 7.516 min Scan# 81
Delta R.T. 0.147 min
Lab File: BF127772.D
Acq: 12 Apr 2022 21:59

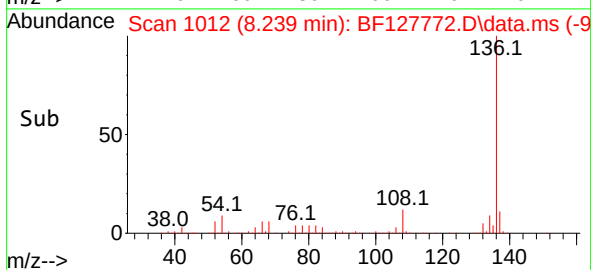
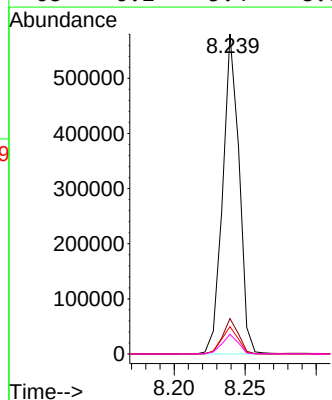
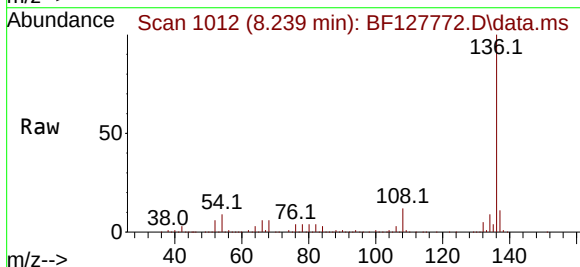
Instrument :
BNA_F
ClientSampleId :
AU-05-041122

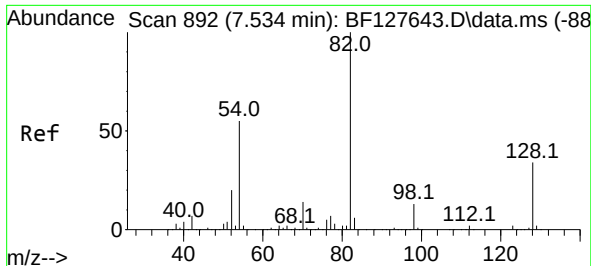
Tgt Ion: 70 Resp: 17636
Ion Ratio Lower Upper
70 100
42 43.9 53.0 79.6#
101 0.0 6.8 10.2#
130 1.2 13.8 20.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF127772.D
Acq: 12 Apr 2022 21:59

Tgt Ion:136 Resp: 464866
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.6 9.2 13.8#
68 6.2 5.4 8.0





#23

Nitrobenzene-d5

Concen: 12.293 ng

RT: 7.516 min Scan# 889

Delta R.T. -0.012 min

Lab File: BF127772.D

Acq: 12 Apr 2022 21:59

Instrument :

BNA_F

ClientSampleId :

AU-05-041122

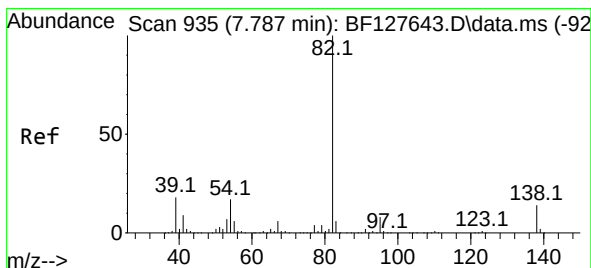
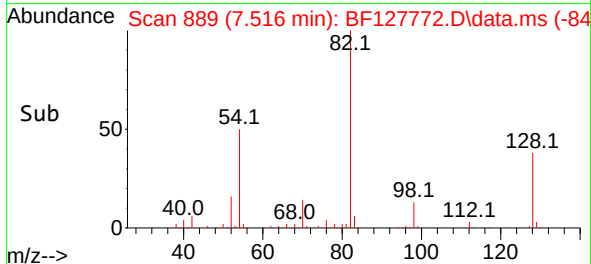
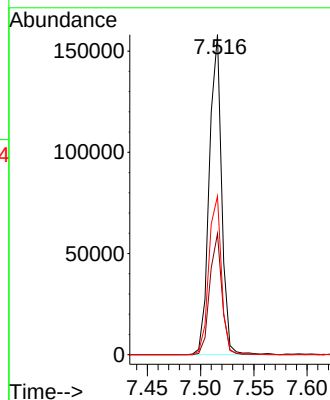
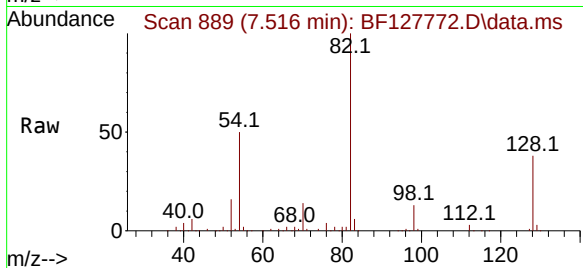
Tgt Ion: 82 Resp: 128180

Ion Ratio Lower Upper

82 100

128 37.8 30.6 45.8

54 49.6 48.2 72.2



#25

Isophorone

Concen: 7.045 ng

RT: 7.516 min Scan# 889

Delta R.T. -0.265 min

Lab File: BF127772.D

Acq: 12 Apr 2022 21:59

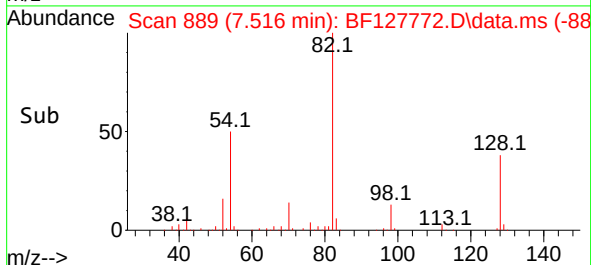
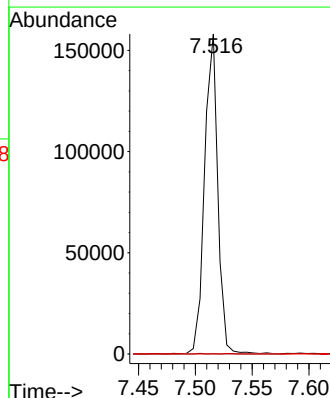
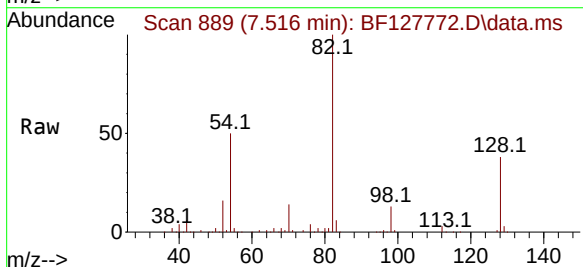
Tgt Ion: 82 Resp: 128179

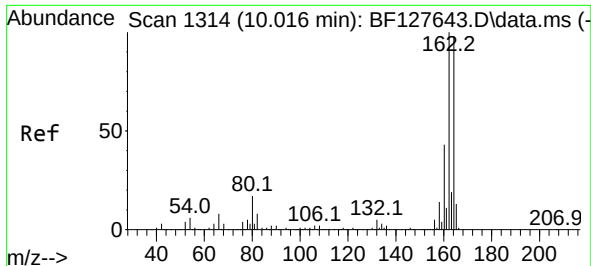
Ion Ratio Lower Upper

82 100

95 0.1 5.8 8.8#

138 0.0 11.6 17.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF127772.D

Acq: 12 Apr 2022 21:59

Instrument :

BNA_F

ClientSampleId :

AU-05-041122

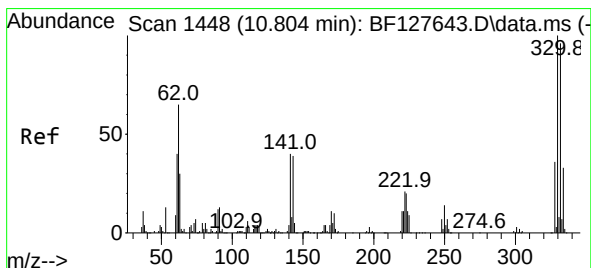
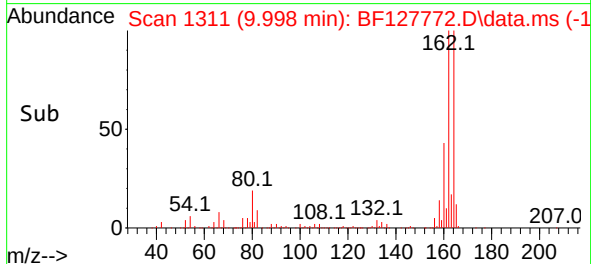
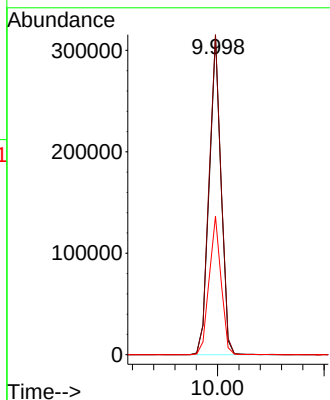
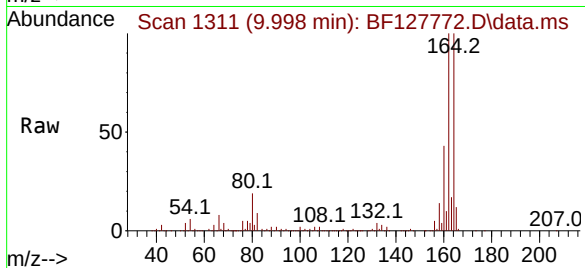
Tgt Ion:164 Resp: 241945

Ion Ratio Lower Upper

164 100

162 100.2 81.2 121.8

160 43.4 34.6 52.0



#42

2,4,6-Tribromophenol

Concen: 17.476 ng

RT: 10.786 min Scan# 1445

Delta R.T. -0.006 min

Lab File: BF127772.D

Acq: 12 Apr 2022 21:59

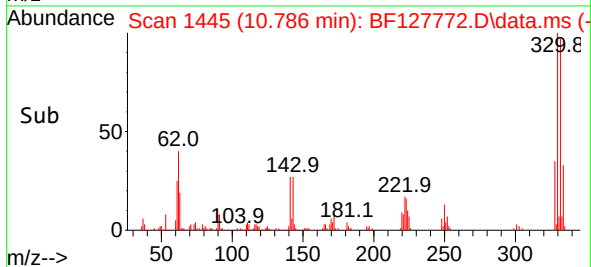
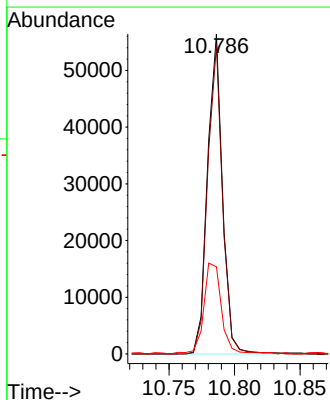
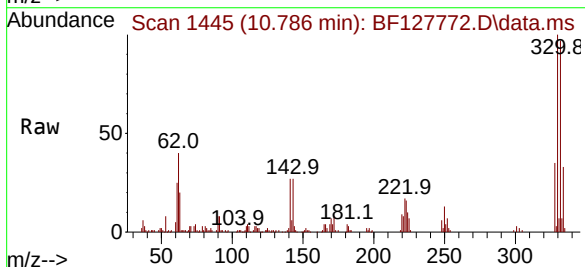
Tgt Ion:330 Resp: 44995

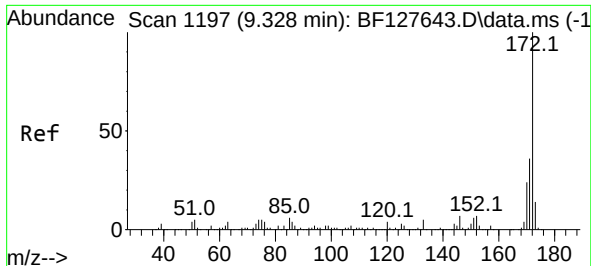
Ion Ratio Lower Upper

330 100

332 95.9 79.1 118.7

141 34.0 26.2 39.4





#45

2-Fluorobiphenyl

Concen: 14.078 ng

RT: 9.310 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF127772.D

Acq: 12 Apr 2022 21:59

Instrument :

BNA_F

ClientSampleId :

AU-05-041122

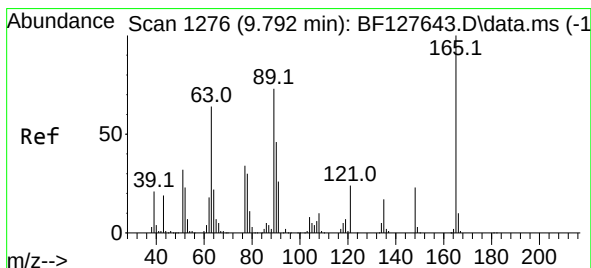
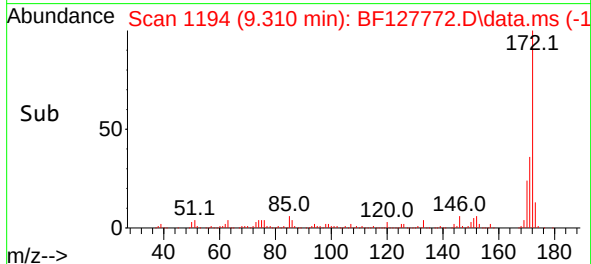
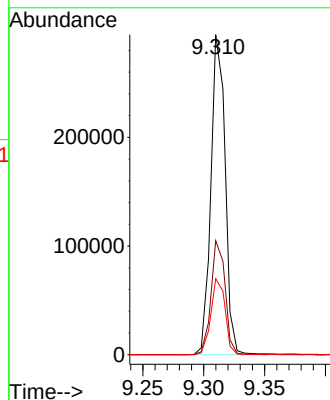
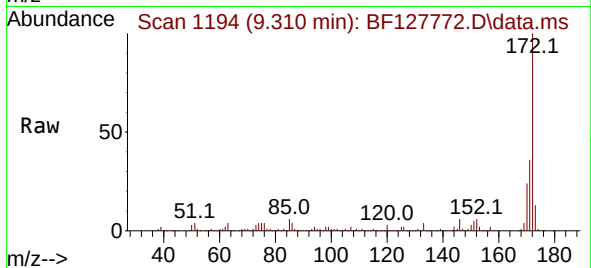
Tgt Ion:172 Resp: 240765

Ion Ratio Lower Upper

172 100

171 35.6 28.4 42.6

170 23.7 18.6 27.8



#51

2,6-Dinitrotoluene

Concen: 9.443 ng

RT: 9.998 min Scan# 1311

Delta R.T. 0.218 min

Lab File: BF127772.D

Acq: 12 Apr 2022 21:59

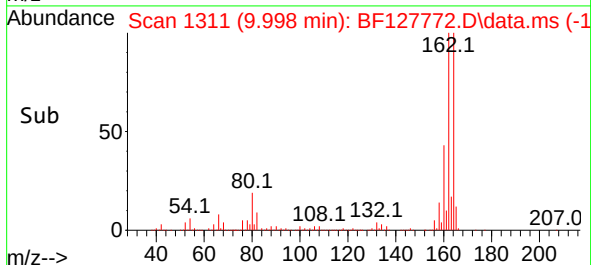
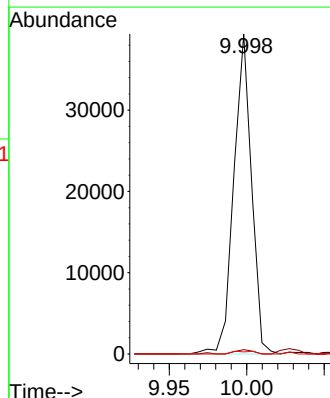
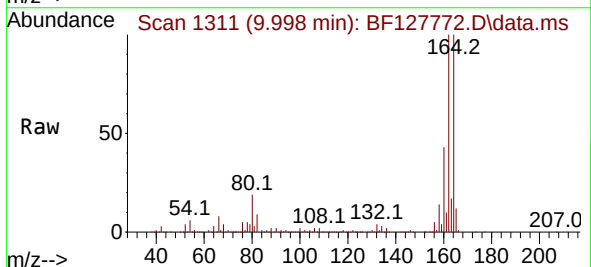
Tgt Ion:165 Resp: 31216

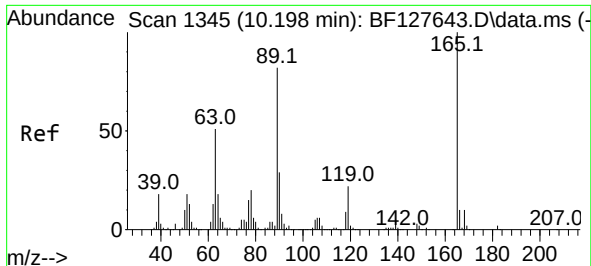
Ion Ratio Lower Upper

165 100

63 1.4 58.3 87.5#

89 0.7 51.5 77.3#

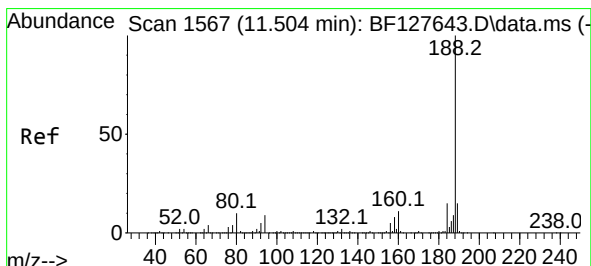
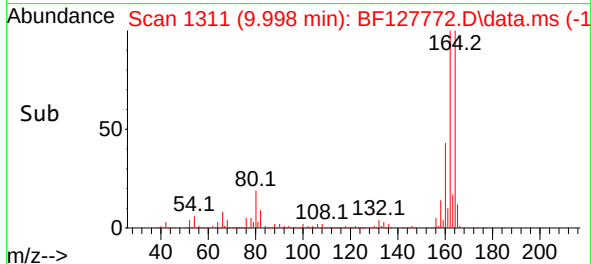
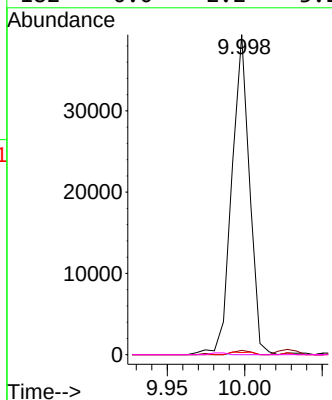
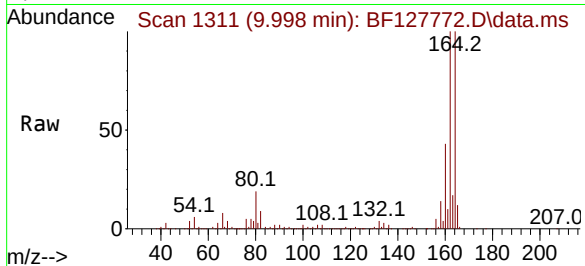




#57
2,4-Dinitrotoluene
Concen: 7.617 ng
RT: 9.998 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF127772.D
Acq: 12 Apr 2022 21:59

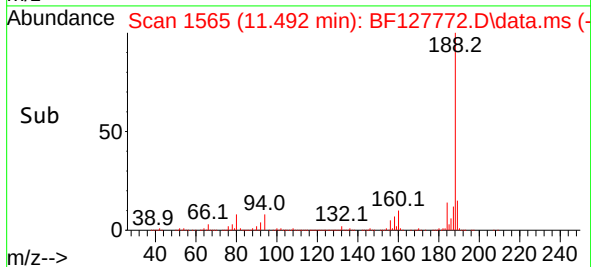
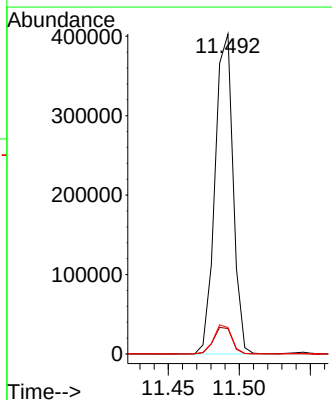
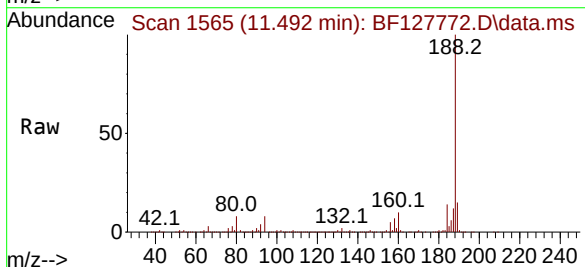
Instrument :
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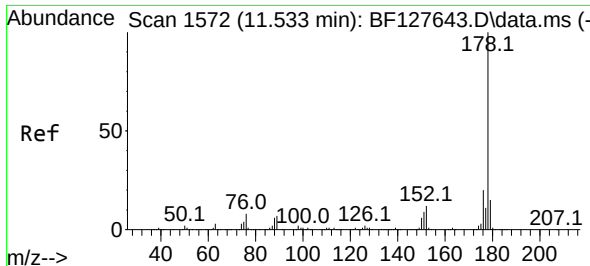
Tgt Ion:165 Resp: 31216
Ion Ratio Lower Upper
165 100
63 1.4 53.1 79.7#
89 0.7 69.2 103.8#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1565
Delta R.T. -0.000 min
Lab File: BF127772.D
Acq: 12 Apr 2022 21:59

Tgt Ion:188 Resp: 356605
Ion Ratio Lower Upper
188 100
94 7.9 7.4 11.0
80 8.3 8.0 12.0

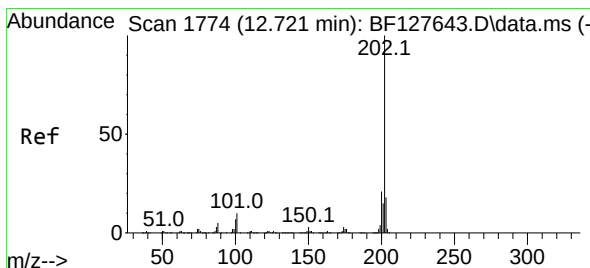
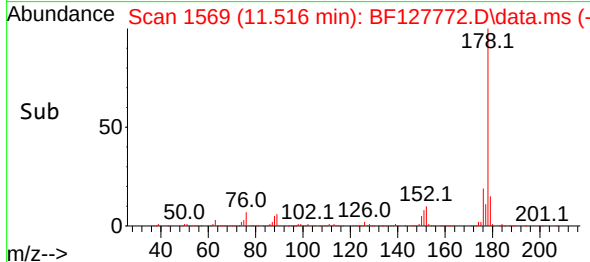
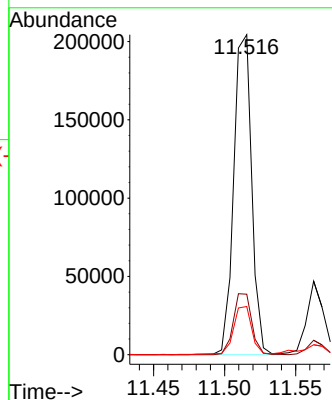
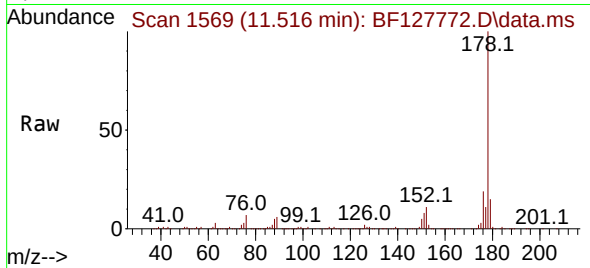




#71
Phenanthrene
Concen: 9.530 ng
RT: 11.516 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF127772.D
Acq: 12 Apr 2022 21:59

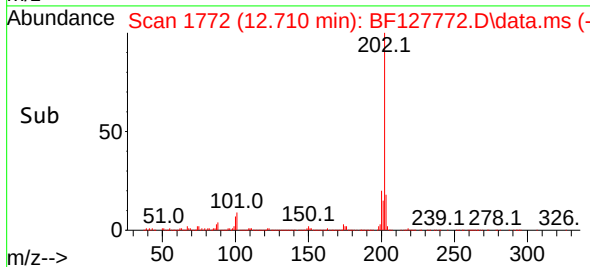
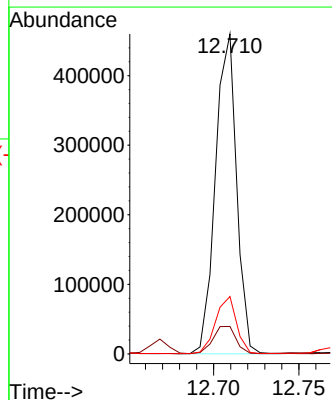
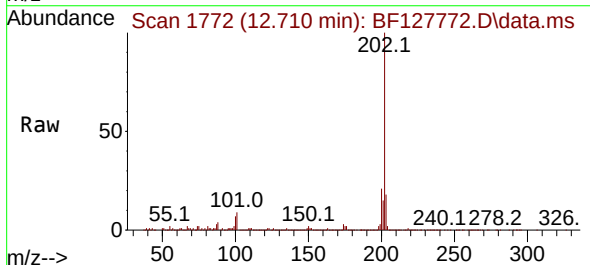
Instrument :
BNA_F
ClientSampleId :
AU-05-041122

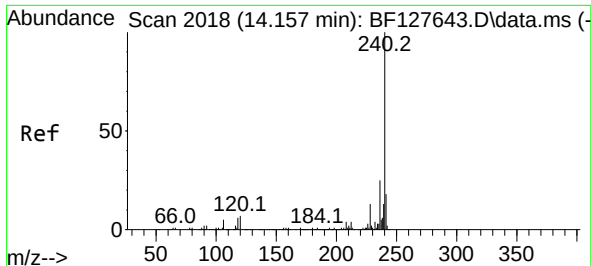
Tgt Ion:178 Resp: 180067
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.2
179 15.1 12.4 18.6



#75
Fluoranthene
Concen: 19.276 ng
RT: 12.710 min Scan# 1772
Delta R.T. -0.000 min
Lab File: BF127772.D
Acq: 12 Apr 2022 21:59

Tgt Ion:202 Resp: 397428
Ion Ratio Lower Upper
202 100
101 8.6 0.0 29.0
203 18.0 0.0 37.7

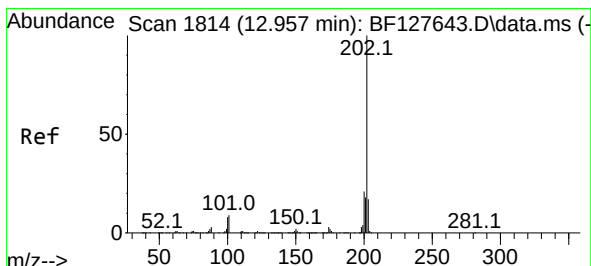
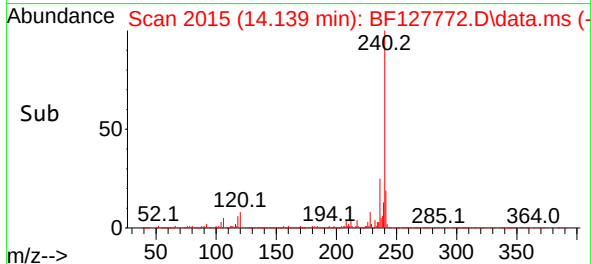
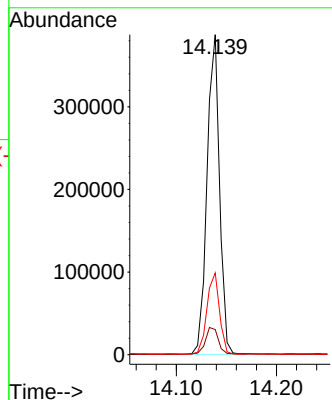
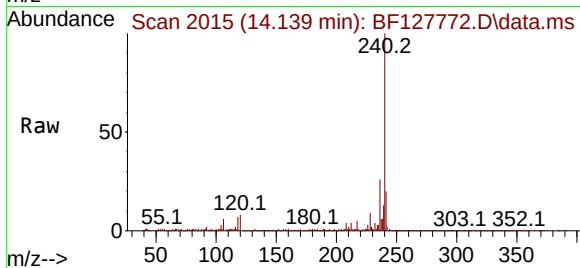




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.139 min Scan# 2018
Delta R.T. -0.000 min
Lab File: BF127772.D
Acq: 12 Apr 2022 21:59

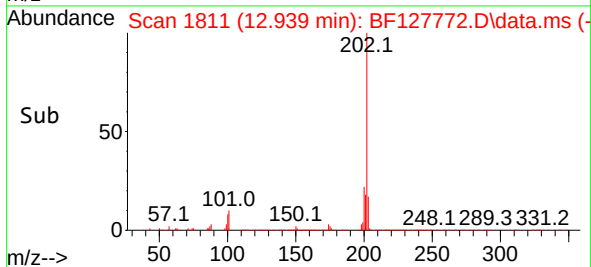
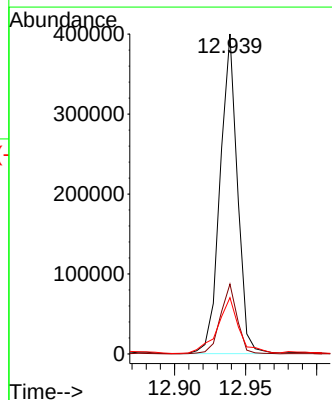
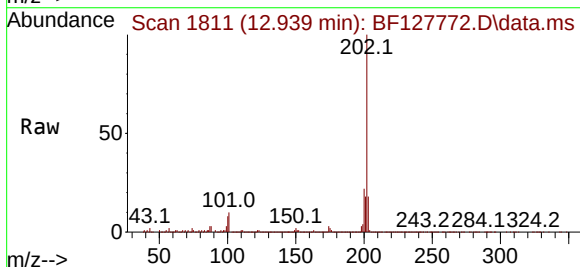
Instrument :
BNA_F
ClientSampleId :
AU-05-041122

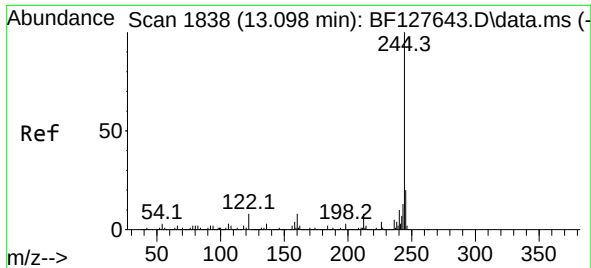
Tgt Ion:240 Resp: 336182
Ion Ratio Lower Upper
240 100
120 7.9 7.1 10.7
236 25.6 20.7 31.1



#78
Pyrene
Concen: 11.951 ng
RT: 12.939 min Scan# 1811
Delta R.T. -0.000 min
Lab File: BF127772.D
Acq: 12 Apr 2022 21:59

Tgt Ion:202 Resp: 339276
Ion Ratio Lower Upper
202 100
200 21.9 17.1 25.7
203 17.6 14.3 21.5

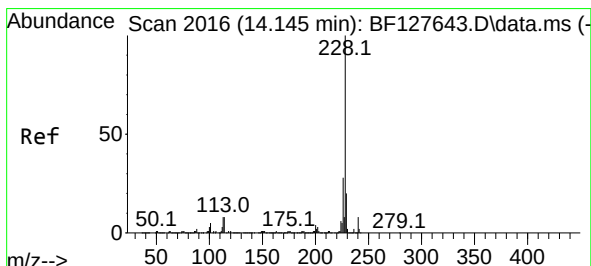
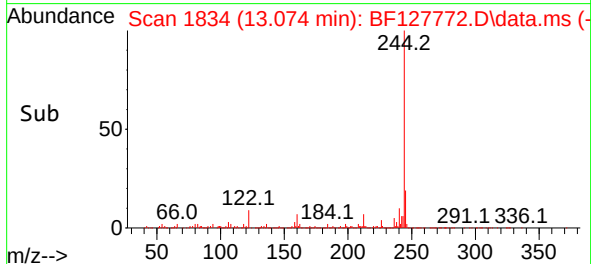
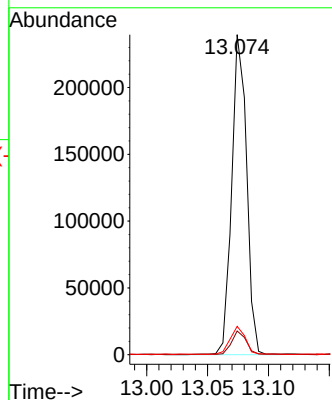
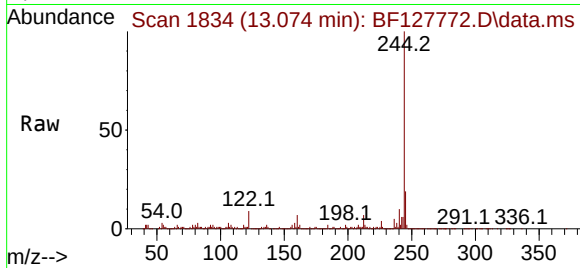




#79
 Terphenyl-d14
 Concen: 9.973 ng
 RT: 13.074 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: BF127772.D
 Acq: 12 Apr 2022 21:59

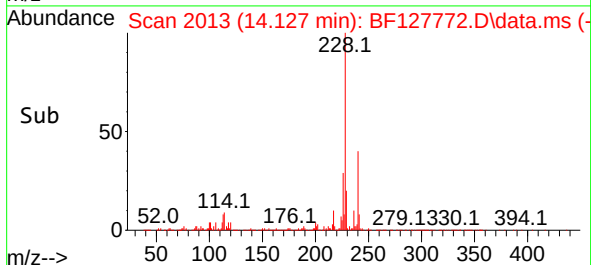
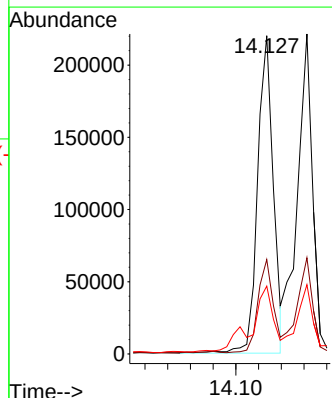
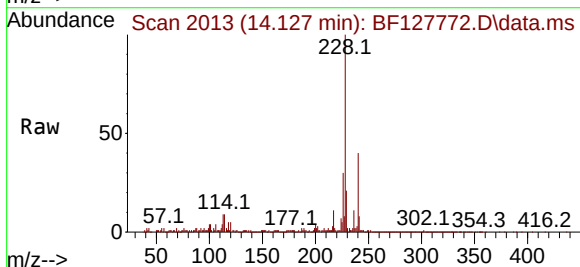
Instrument :
 BNA_F
 ClientSampleId :
 AU-05-041122

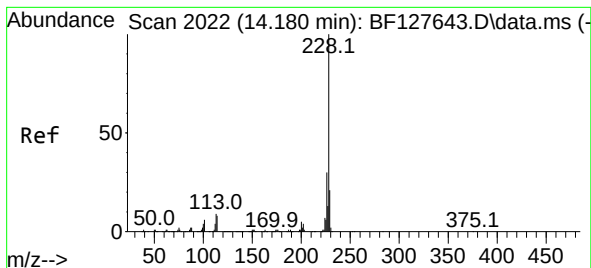
Tgt Ion:244 Resp: 203130
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.7 8.5
 122 8.8 6.2 9.2



#81
 Benzo(a)anthracene
 Concen: 9.378 ng
 RT: 14.127 min Scan# 2013
 Delta R.T. -0.000 min
 Lab File: BF127772.D
 Acq: 12 Apr 2022 21:59

Tgt Ion:228 Resp: 210577
 Ion Ratio Lower Upper
 228 100
 226 29.7 21.6 32.4
 229 21.3 15.4 23.2





#83

Chrysene

Concen: 8.847 ng

RT: 14.162 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF127772.D

Acq: 12 Apr 2022 21:59

Instrument :

BNA_F

ClientSampleId :

AU-05-041122

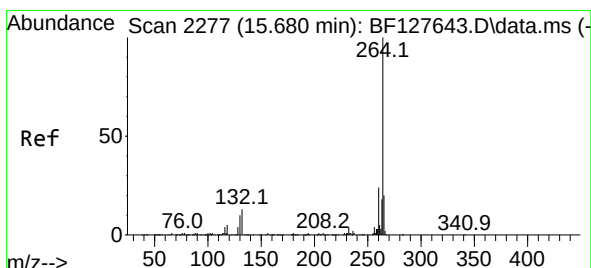
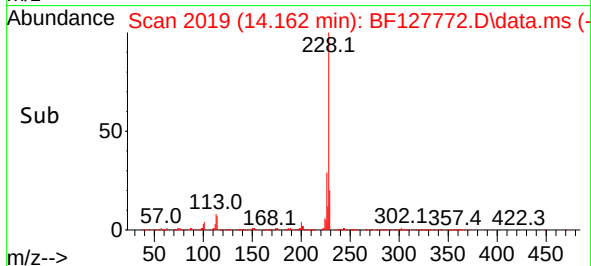
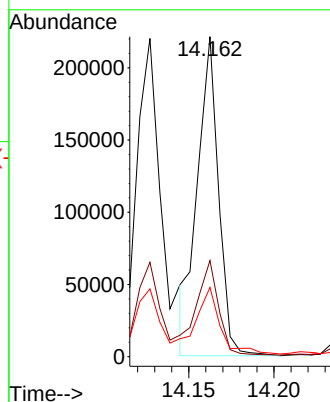
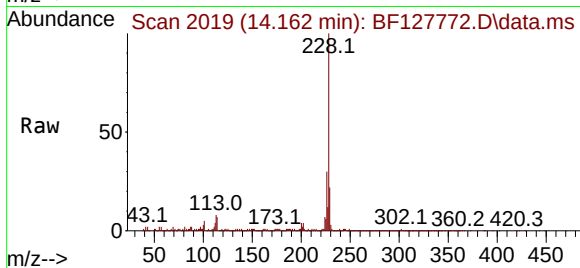
Tgt Ion:228 Resp: 190676

Ion Ratio Lower Upper

228 100

226 30.0 24.2 36.4

229 21.7 15.4 23.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.656 min Scan# 2273

Delta R.T. -0.000 min

Lab File: BF127772.D

Acq: 12 Apr 2022 21:59

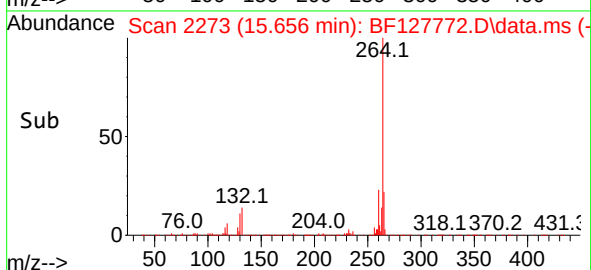
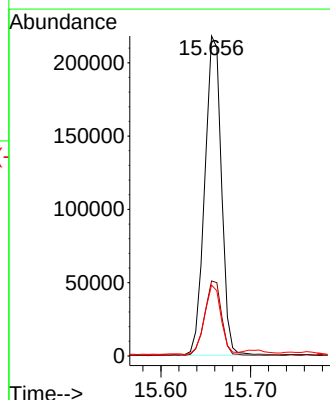
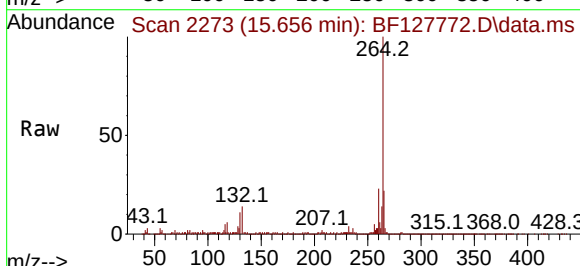
Tgt Ion:264 Resp: 280695

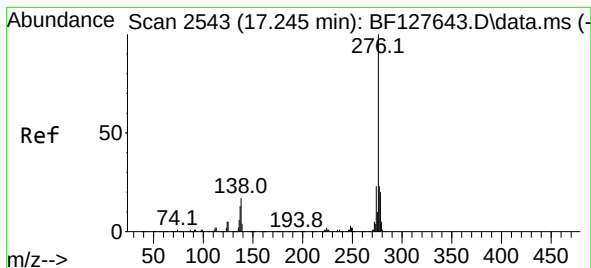
Ion Ratio Lower Upper

264 100

260 23.4 19.1 28.7

265 22.1 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.087 ng

RT: 17.203 min Scan# 2196

Delta R.T. -0.012 min

Lab File: BF127772.D

Acq: 12 Apr 2022 21:59

Instrument :

BNA_F

ClientSampleId :

AU-05-041122

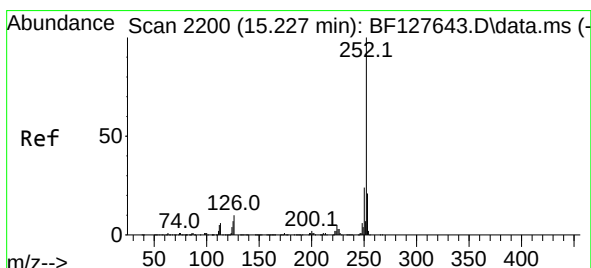
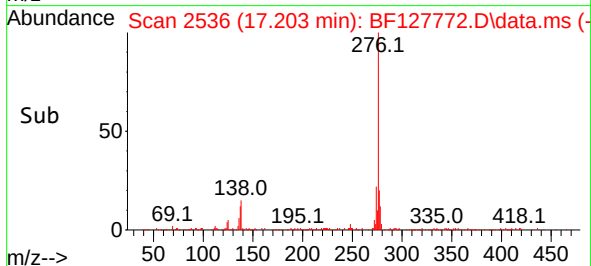
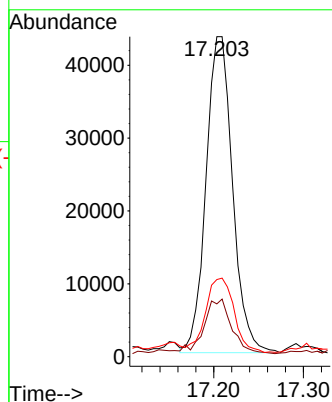
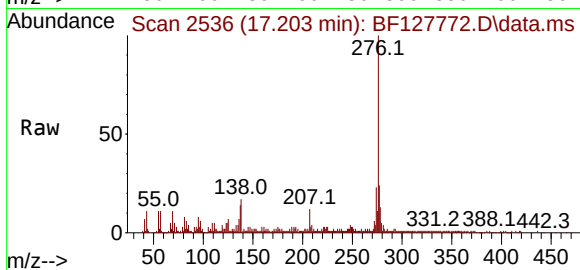
Tgt Ion:276 Resp: 89212

Ion Ratio Lower Upper

276 100

138 18.2 17.1 25.7

277 25.1 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 19.967 ng

RT: 15.204 min Scan# 2196

Delta R.T. -0.000 min

Lab File: BF127772.D

Acq: 12 Apr 2022 21:59

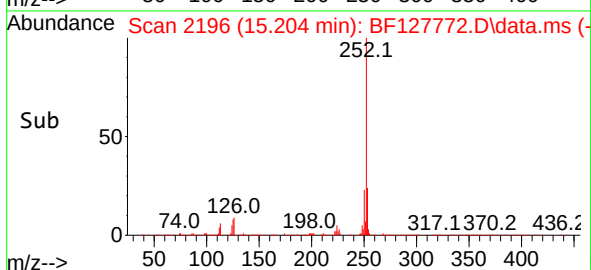
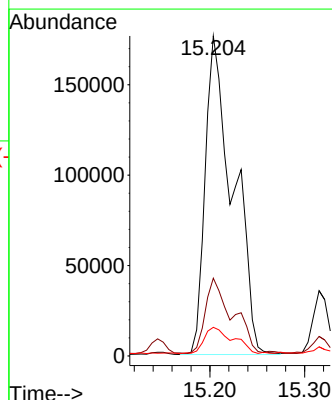
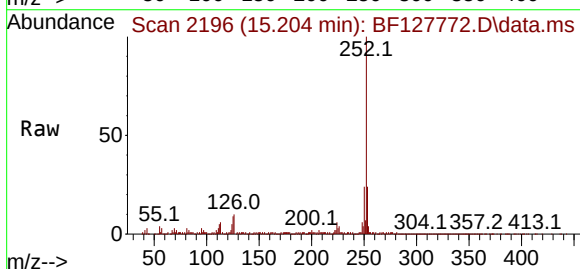
Tgt Ion:252 Resp: 360553

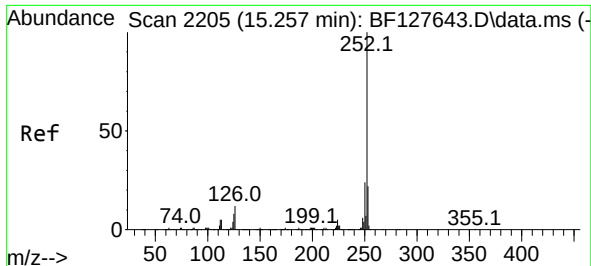
Ion Ratio Lower Upper

252 100

253 24.3 17.9 26.9

125 8.9 7.0 10.4

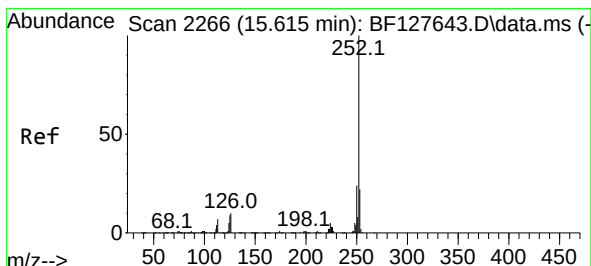
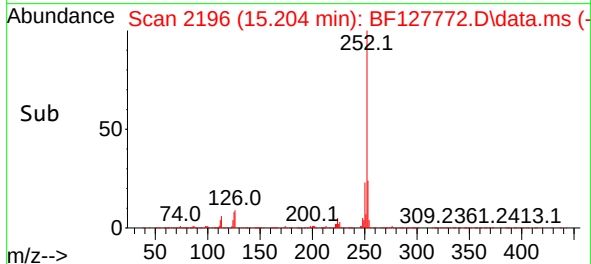
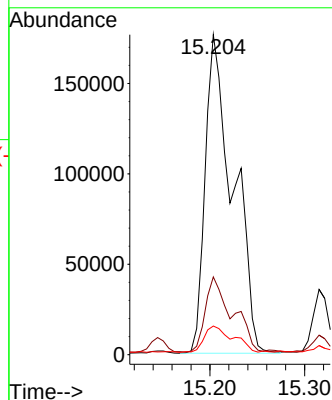
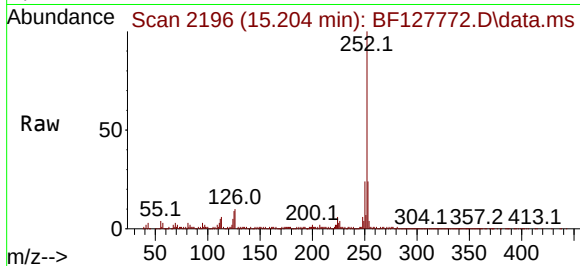




#89
Benzo(k)fluoranthene
Concen: 20.132 ng
RT: 15.204 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF127772.D
Acq: 12 Apr 2022 21:59

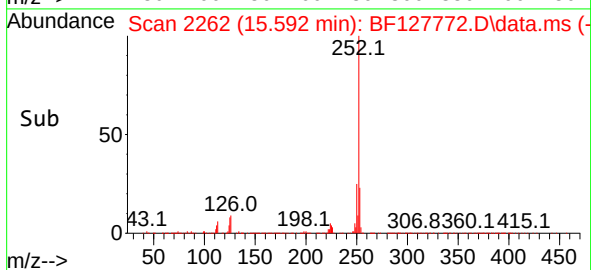
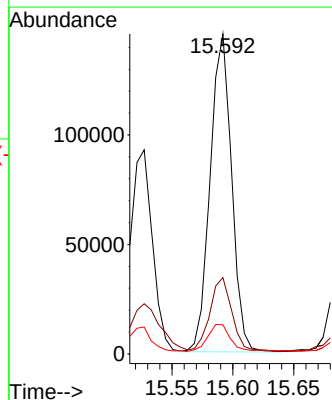
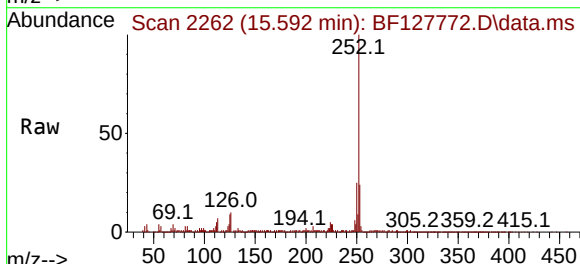
Instrument :
BNA_F
ClientSampleId :
AU-05-041122

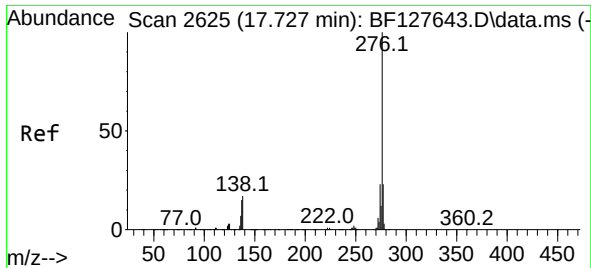
Tgt Ion:252 Resp: 360553
Ion Ratio Lower Upper
252 100
253 24.3 17.3 25.9
125 8.9 6.9 10.3



#90
Benzo(a)pyrene
Concen: 12.140 ng
RT: 15.592 min Scan# 2262
Delta R.T. -0.000 min
Lab File: BF127772.D
Acq: 12 Apr 2022 21:59

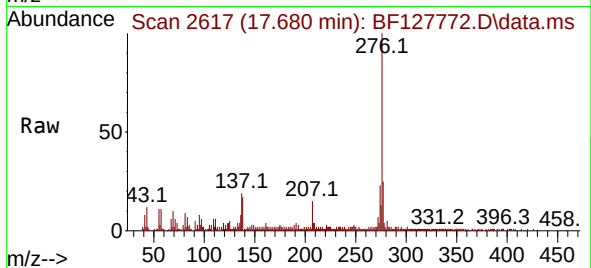
Tgt Ion:252 Resp: 178181
Ion Ratio Lower Upper
252 100
253 23.9 17.0 25.6
125 9.1 6.7 10.1





#92
 Benzo(g,h,i)perylene
 Concen: 5.471 ng
 RT: 17.680 min Scan# 20
 Delta R.T. -0.012 min
 Lab File: BF127772.D
 Acq: 12 Apr 2022 21:59

Instrument :
 BNA_F
 ClientSampleId :
 AU-05-041122



Tgt Ion:	276	Resp:	79700
Ion Ratio	Lower	Upper	
276	100		
277	24.6	19.0	28.4
138	17.4	14.6	22.0

