

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030722\
 Data File : BF127242.D
 Acq On : 08 Mar 2022 01:49
 Operator : CG\JU
 Sample : N1806-11
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUM-27

Quant Time: Mar 08 02:12:38 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 05 02:16:58 2022
 Response via : Initial Calibration

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

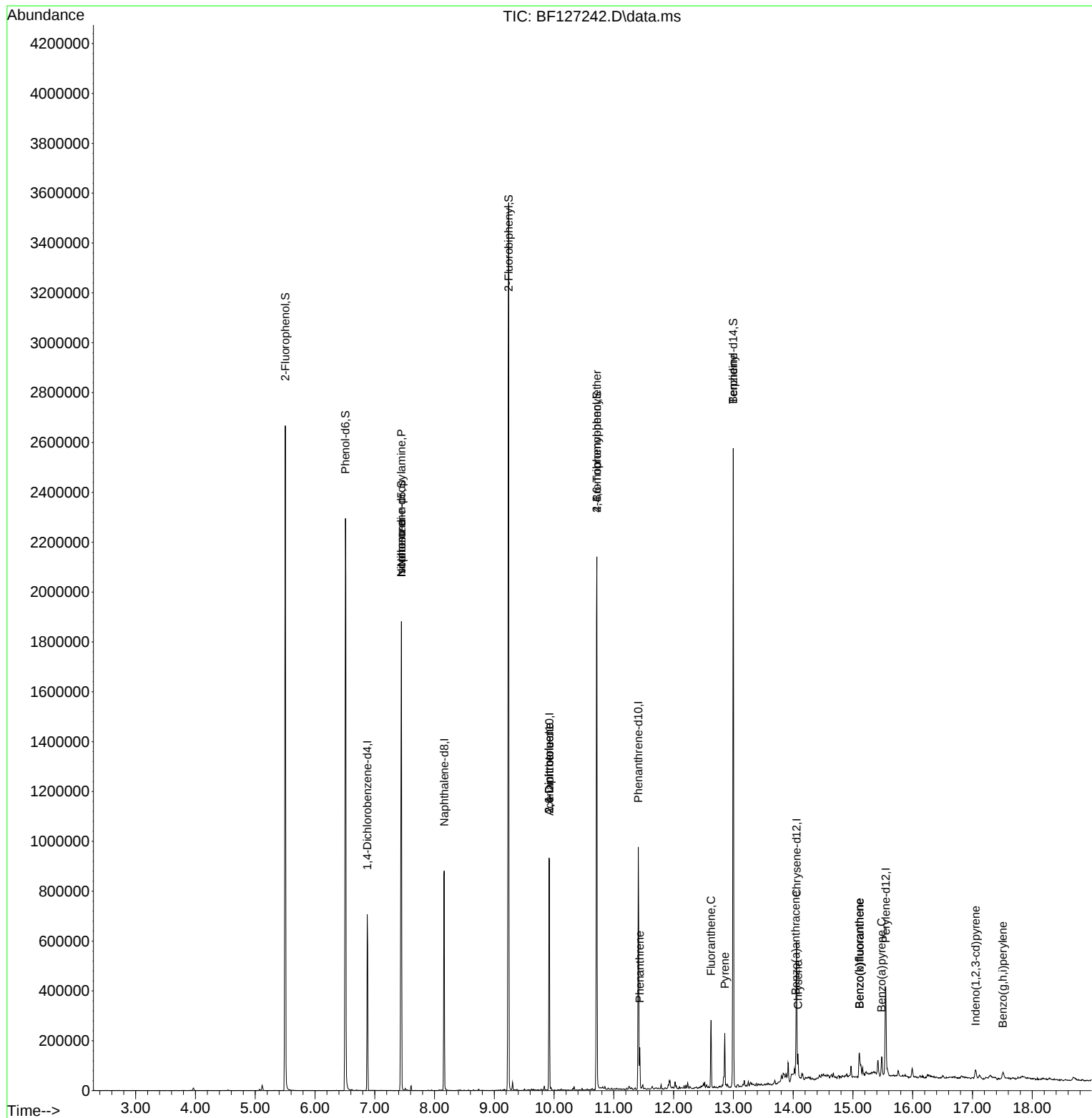
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	93904	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	382192	20.000	ng	# 0.00
39) Acenaphthene-d10	9.922	164	192946	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	307389	20.000	ng	# 0.00
76) Chrysene-d12	14.057	240	154444	20.000	ng	# 0.00
86) Perylene-d12	15.551	264	160138	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	651263	107.192	ng	0.00
7) Phenol-d6	6.510	99	863046	105.272	ng	0.00
23) Nitrobenzene-d5	7.445	82	596912	70.496	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	261838	117.865	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	992445	75.722	ng	0.00
79) Terphenyl-d14	12.998	244	819080	77.962	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	81467	15.421	ng	# 78
25) Isophorone	7.445	82	594705	42.445	ng	# 69
51) 2,6-Dinitrotoluene	9.916	165	26013	9.271	ng	# 21
57) 2,4-Dinitrotoluene	9.916	165	26013	6.857	ng	# 15
67) 4-Bromophenyl-phenylether	10.716	248	15562	4.531	ng	# 1
71) Phenanthrene	11.433	178	49523	2.878	ng	98
75) Fluoranthene	12.627	202	96824	5.927	ng	93
77) Benzidine	12.998	184	11901	2.836	ng	97
78) Pyrene	12.857	202	76358	5.691	ng	99
81) Benzo(a)anthracene	14.045	228	31256	3.002	ng	96
83) Chrysene	14.080	228	34695	3.543	ng	96
87) Indeno(1,2,3-cd)pyrene	17.051	276	23540	2.242	ng	# 82
88) Benzo(b)fluoranthene	15.110	252	69454	6.458	ng	# 96
89) Benzo(k)fluoranthene	15.110	252	69454	6.695	ng	97
90) Benzo(a)pyrene	15.480	252	33194	3.951	ng	# 92
92) Benzo(g,h,i)perylene	17.509	276	21124	2.467	ng	# 82

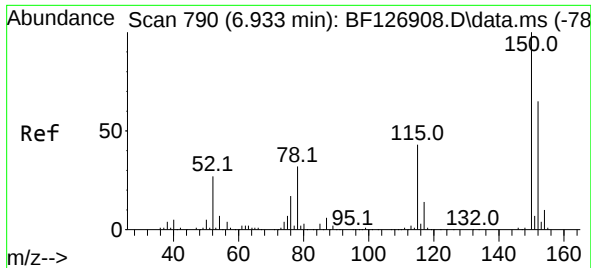
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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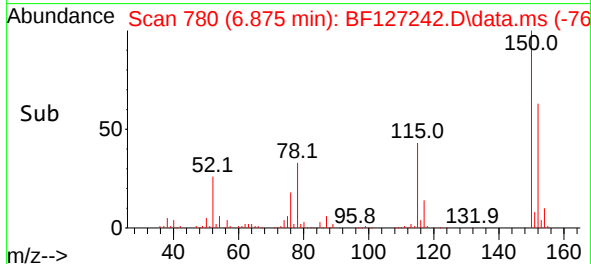
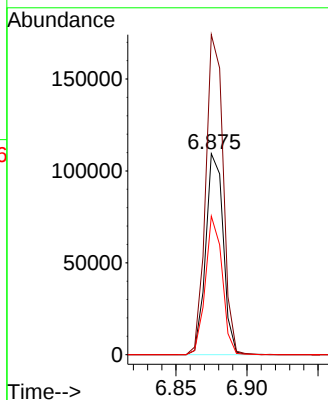
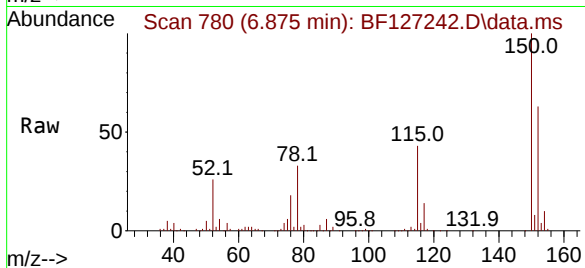




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BF127242.D
 Acq: 08 Mar 2022 01:49

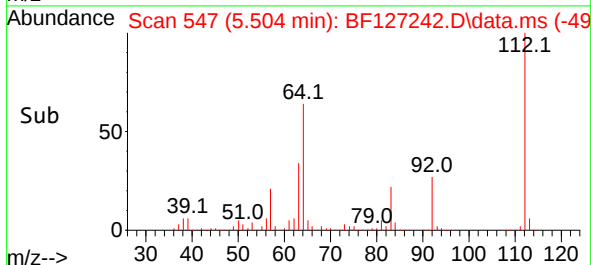
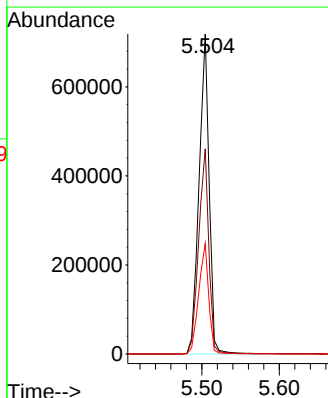
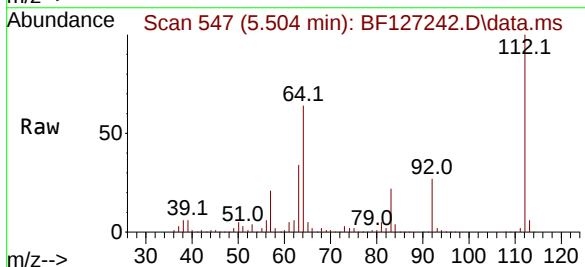
Instrument :
 BNA_F
 ClientSampleId :
 DUM-27

Tgt Ion:152 Resp: 93904
 Ion Ratio Lower Upper
 152 100
 150 159.2 128.1 192.1
 115 69.0 56.7 85.1



#5
 2-Fluorophenol
 Concen: 107.192 ng
 RT: 5.504 min Scan# 547
 Delta R.T. 0.006 min
 Lab File: BF127242.D
 Acq: 08 Mar 2022 01:49

Tgt Ion:112 Resp: 651263
 Ion Ratio Lower Upper
 112 100
 64 64.1 49.5 74.3
 63 34.5 23.9 35.9

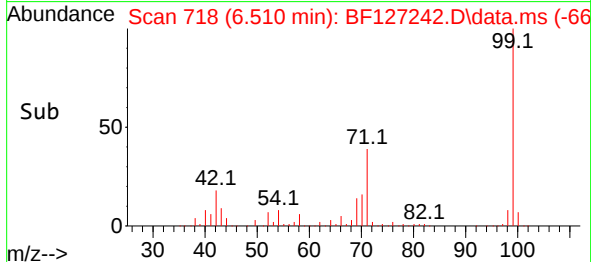
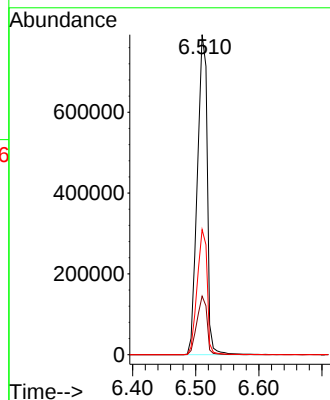
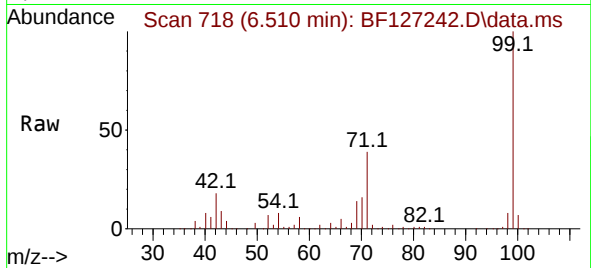




#7
Phenol-d6
Concen: 105.272 ng
RT: 6.510 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF127242.D
Acq: 08 Mar 2022 01:49

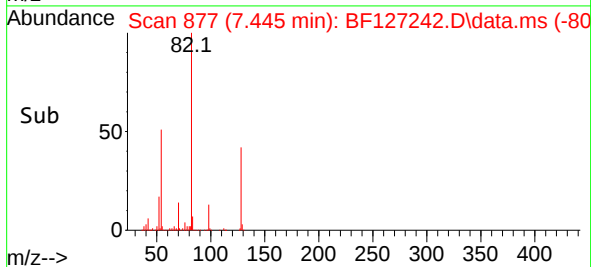
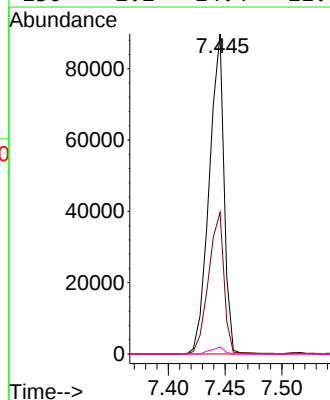
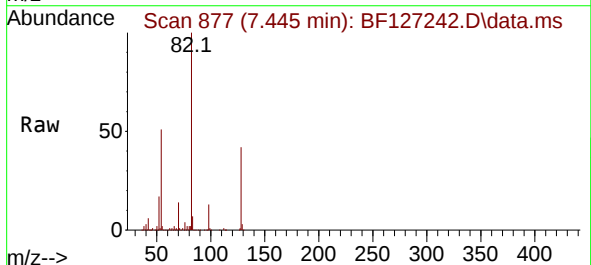
Instrument :
BNA_F
ClientSampleId :
DUM-27

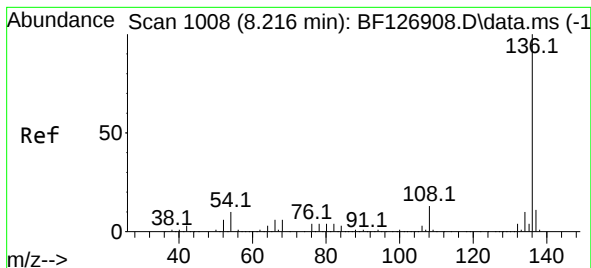
Tgt Ion: 99 Resp: 863046
Ion Ratio Lower Upper
99 100
42 18.3 14.2 21.4
71 39.1 24.3 36.5#



#19
n-Nitroso-di-n-propylamine
Concen: 15.421 ng
RT: 7.445 min Scan# 877
Delta R.T. 0.153 min
Lab File: BF127242.D
Acq: 08 Mar 2022 01:49

Tgt Ion: 70 Resp: 81467
Ion Ratio Lower Upper
70 100
42 44.2 45.8 68.8#
101 0.0 6.9 10.3#
130 2.2 14.4 21.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF127242.D

Acq: 08 Mar 2022 01:49

Instrument :

BNA_F

ClientSampleId :

DUM-27

Tgt Ion:136 Resp: 382192

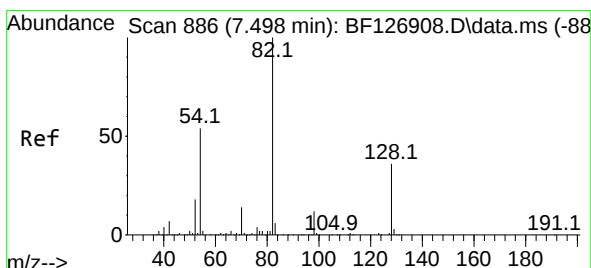
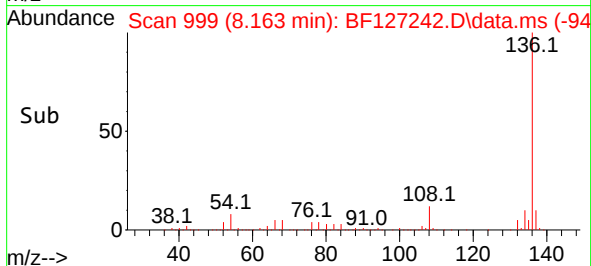
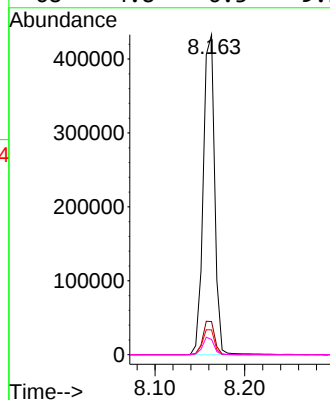
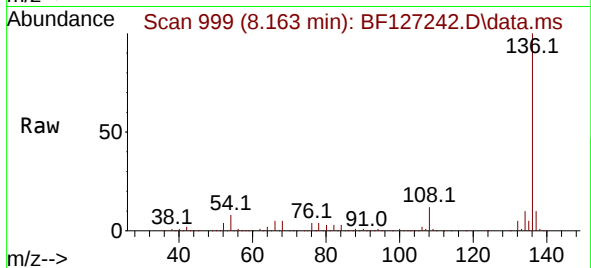
Ion Ratio Lower Upper

136 100

137 10.4 8.6 13.0

54 7.8 7.8 11.6#

68 4.8 6.3 9.5#



#23

Nitrobenzene-d5

Concen: 70.496 ng

RT: 7.445 min Scan# 877

Delta R.T. -0.006 min

Lab File: BF127242.D

Acq: 08 Mar 2022 01:49

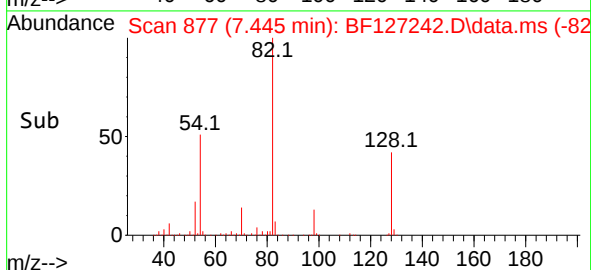
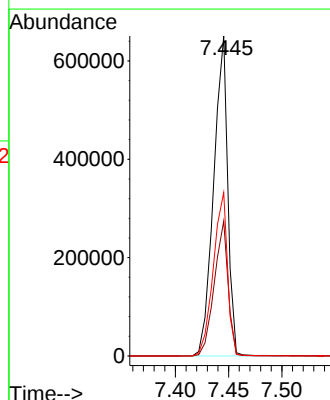
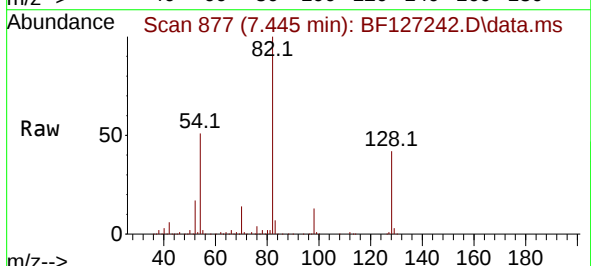
Tgt Ion: 82 Resp: 596912

Ion Ratio Lower Upper

82 100

128 42.1 32.7 49.1

54 51.1 41.7 62.5

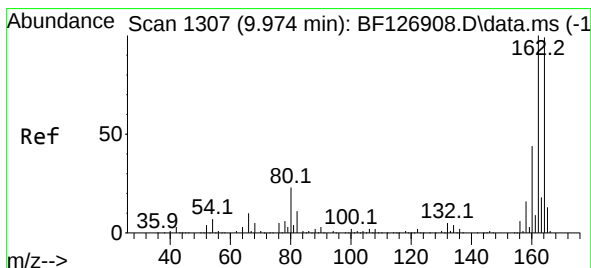
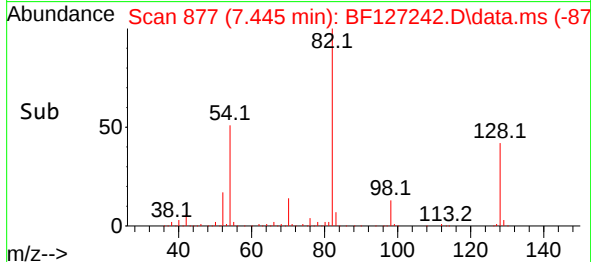
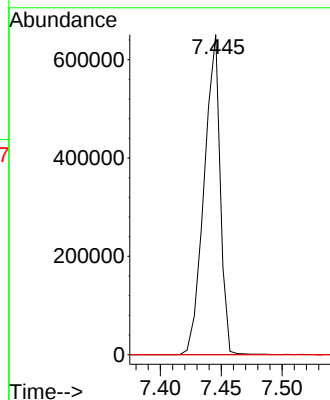
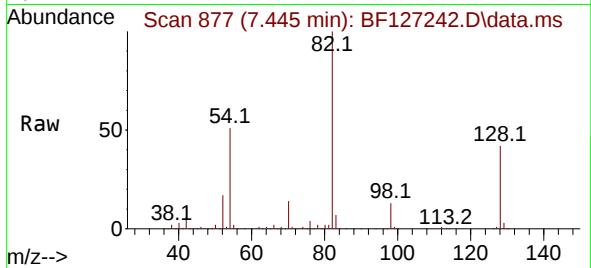




#25
Isophorone
Concen: 42.445 ng
RT: 7.445 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF127242.D
Acq: 08 Mar 2022 01:49

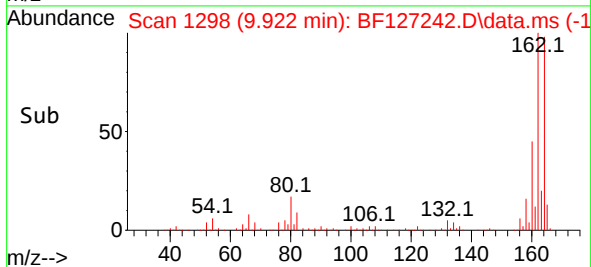
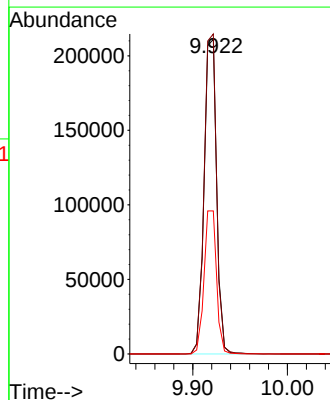
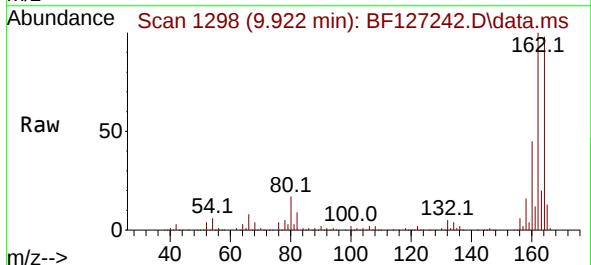
Instrument :
BNA_F
ClientSampleId :
DUM-27

Tgt Ion: 82 Resp: 594705
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: 9.922 min Scan# 1298
Delta R.T. 0.000 min
Lab File: BF127242.D
Acq: 08 Mar 2022 01:49

Tgt Ion: 164 Resp: 192946
Ion Ratio Lower Upper
164 100
162 101.7 81.4 122.0
160 45.5 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 117.865 ng

RT: 10.716 min Scan# 1442

Delta R.T. 0.000 min

Lab File: BF127242.D

Acq: 08 Mar 2022 01:49

Instrument :

BNA_F

ClientSampleId :

DUM-27

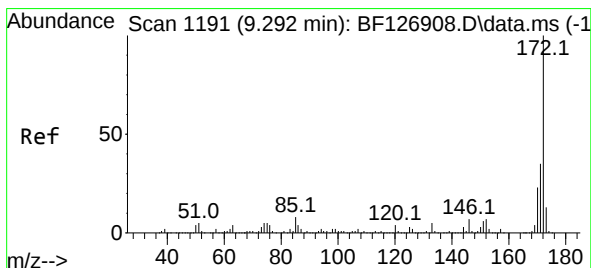
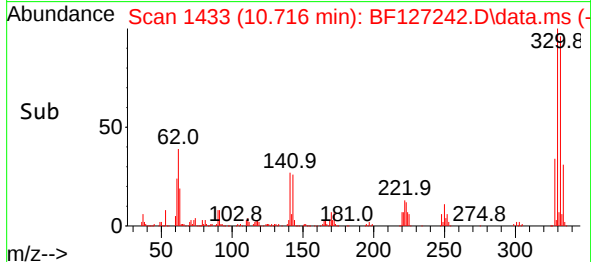
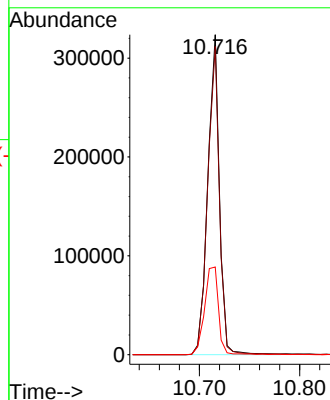
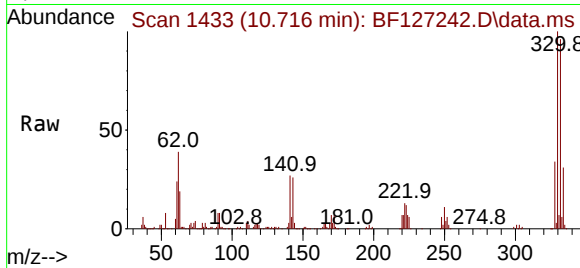
Tgt Ion:330 Resp: 261838

Ion Ratio Lower Upper

330 100

332 97.4 76.0 114.0

141 32.9 30.1 45.1



#45

2-Fluorobiphenyl

Concen: 75.722 ng

RT: 9.239 min Scan# 1182

Delta R.T. 0.000 min

Lab File: BF127242.D

Acq: 08 Mar 2022 01:49

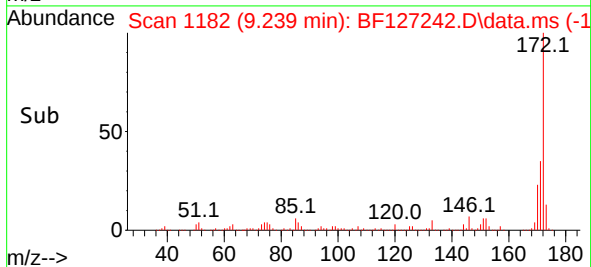
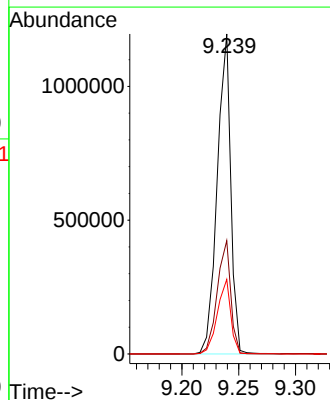
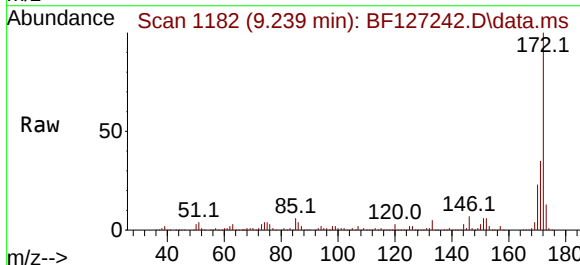
Tgt Ion:172 Resp: 992445

Ion Ratio Lower Upper

172 100

171 35.4 28.3 42.5

170 23.3 19.0 28.6

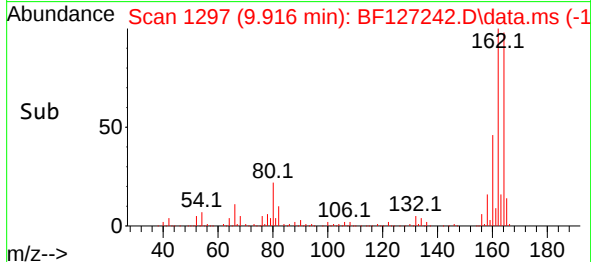
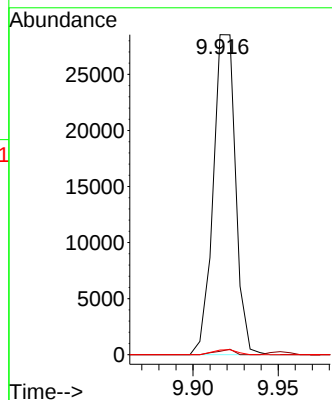
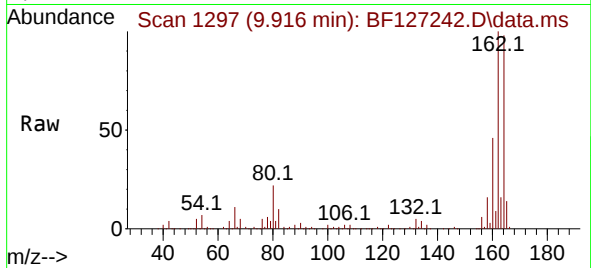




#51
2,6-Dinitrotoluene
Concen: 9.271 ng
RT: 9.916 min Scan# 1297
Delta R.T. 0.206 min
Lab File: BF127242.D
Acq: 08 Mar 2022 01:49

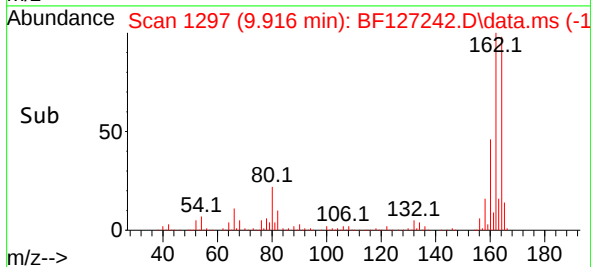
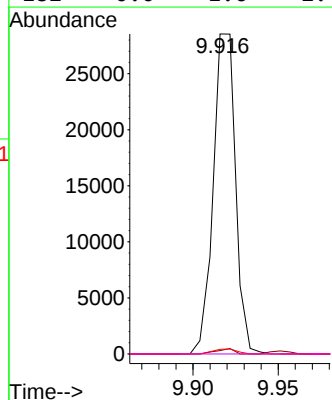
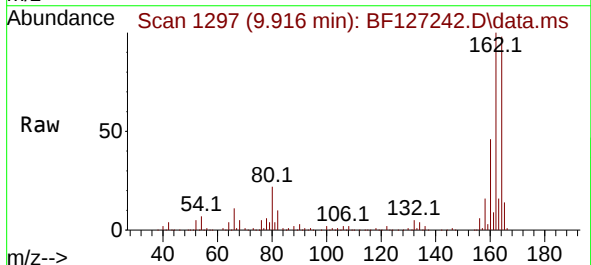
Instrument :
BNA_F
ClientSampleId :
DUM-27

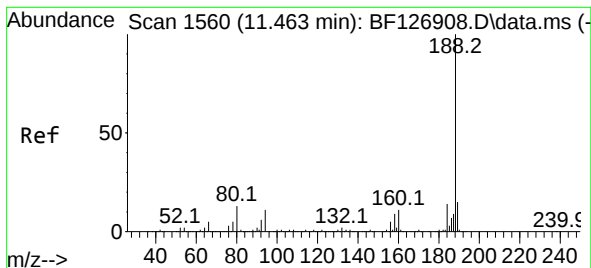
Tgt Ion:165 Resp: 26013
Ion Ratio Lower Upper
165 100
63 1.0 48.4 72.6#
89 1.4 50.5 75.7#



#57
2,4-Dinitrotoluene
Concen: 6.857 ng
RT: 9.916 min Scan# 1297
Delta R.T. -0.200 min
Lab File: BF127242.D
Acq: 08 Mar 2022 01:49

Tgt Ion:165 Resp: 26013
Ion Ratio Lower Upper
165 100
63 1.0 43.0 64.6#
89 1.4 71.0 106.4#
182 0.0 1.6 2.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF127242.D

Acq: 08 Mar 2022 01:49

Instrument :

BNA_F

ClientSampleId :

DUM-27

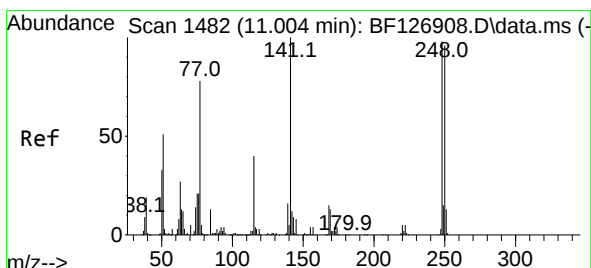
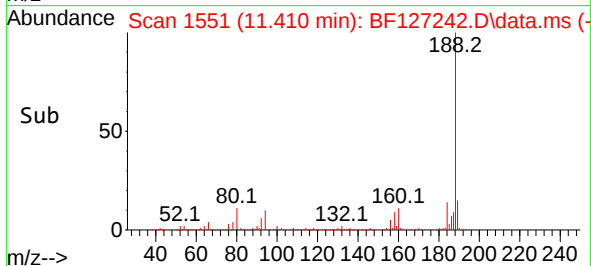
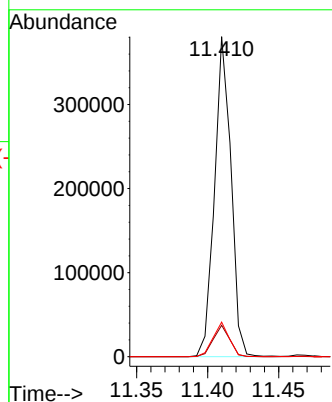
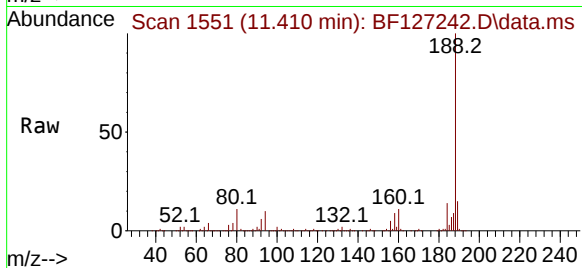
Tgt Ion:188 Resp: 307389

Ion Ratio Lower Upper

188 100

94 9.8 10.1 15.1#

80 10.8 11.8 17.6#



#67

4-Bromophenyl-phenylether

Concen: 4.531 ng

RT: 10.716 min Scan# 1433

Delta R.T. -0.241 min

Lab File: BF127242.D

Acq: 08 Mar 2022 01:49

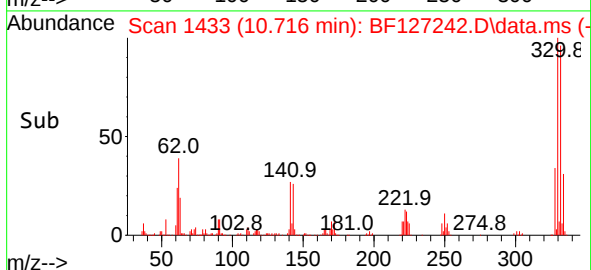
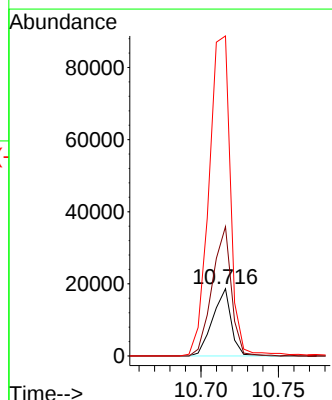
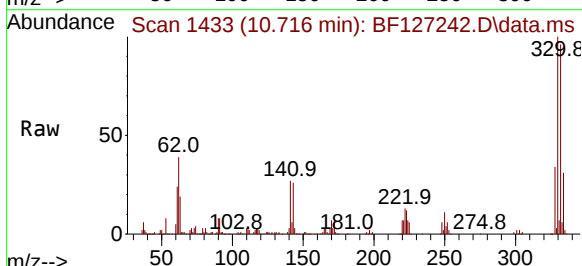
Tgt Ion:248 Resp: 15562

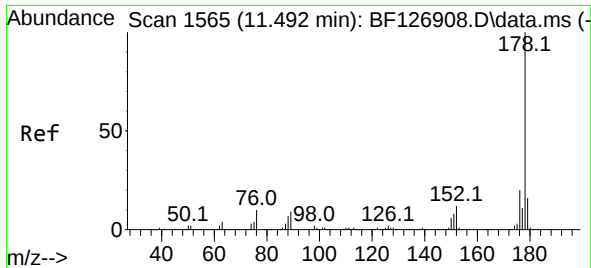
Ion Ratio Lower Upper

248 100

250 192.2 76.2 114.4#

141 475.7 66.2 99.4#

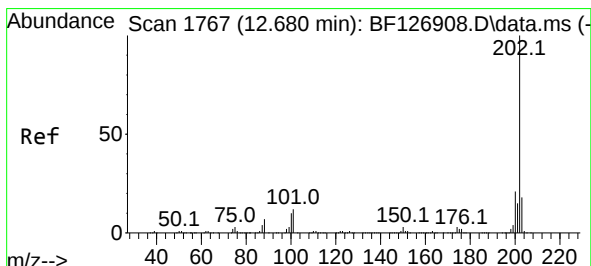
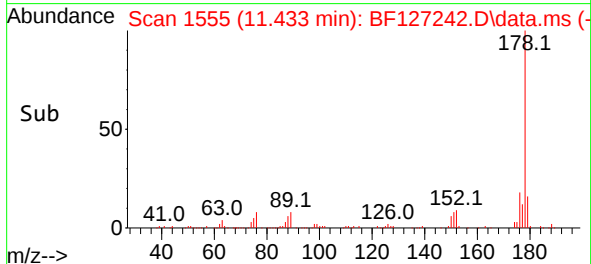
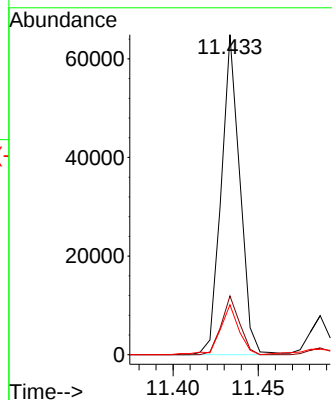
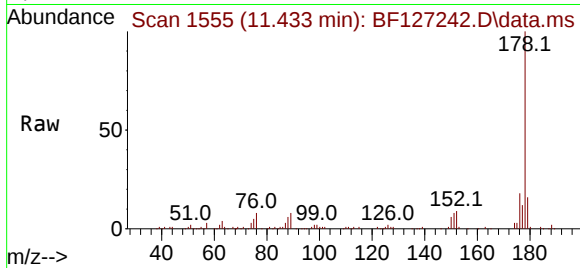




#71
Phenanthrene
Concen: 2.878 ng
RT: 11.433 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127242.D
Acq: 08 Mar 2022 01:49

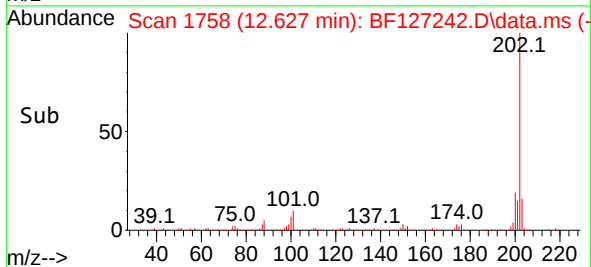
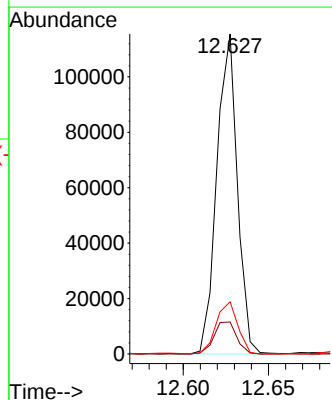
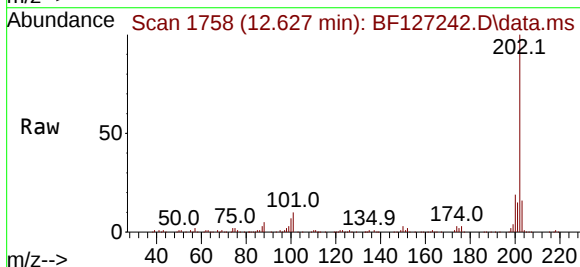
Instrument :
BNA_F
ClientSampleId :
DUM-27

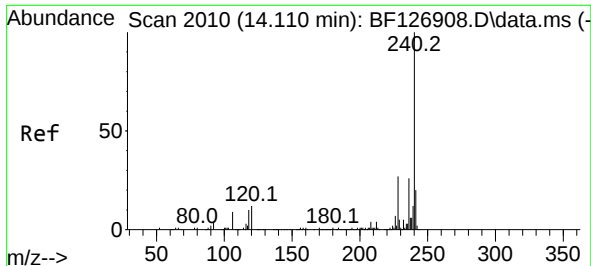
Tgt Ion:178 Resp: 49523
Ion Ratio Lower Upper
178 100
176 18.4 15.7 23.5
179 15.6 12.3 18.5



#75
Fluoranthene
Concen: 5.927 ng
RT: 12.627 min Scan# 1758
Delta R.T. -0.006 min
Lab File: BF127242.D
Acq: 08 Mar 2022 01:49

Tgt Ion:202 Resp: 96824
Ion Ratio Lower Upper
202 100
101 10.0 0.0 35.7
203 16.3 0.0 37.1

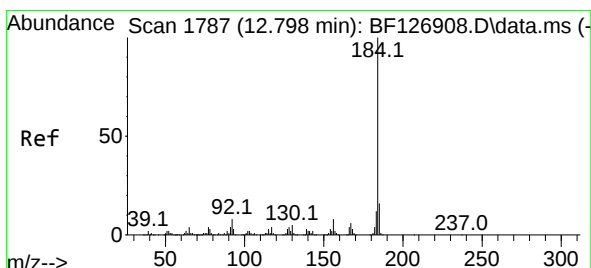
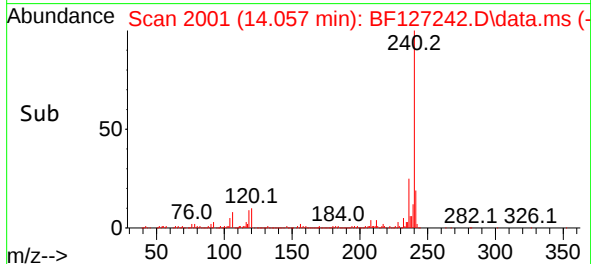
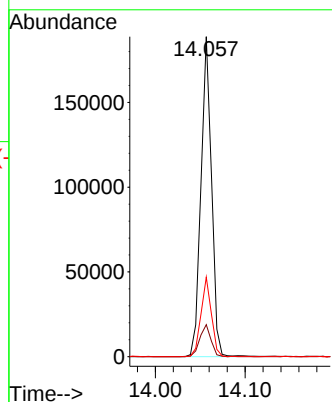
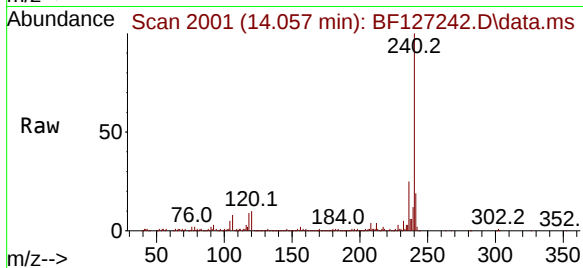




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF127242.D
Acq: 08 Mar 2022 01:49

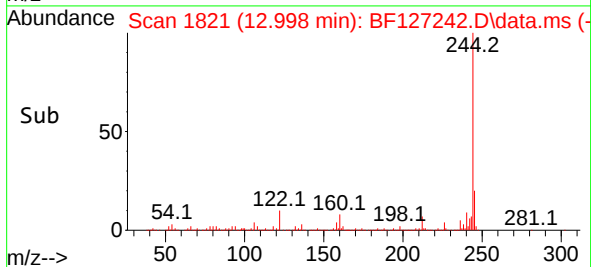
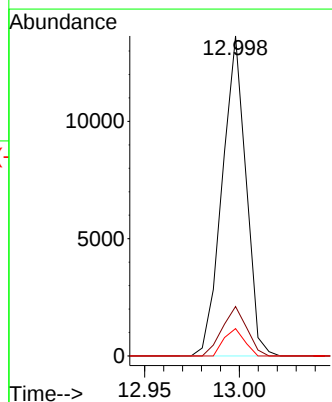
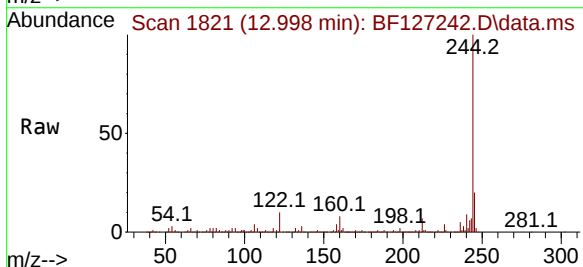
Instrument :
BNA_F
ClientSampleId :
DUM-27

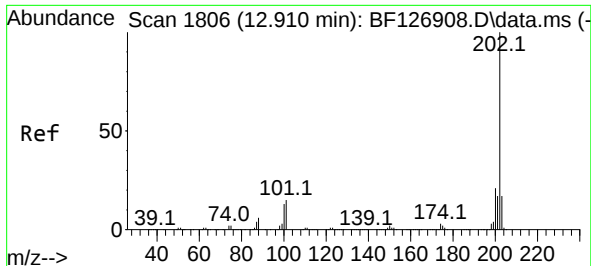
Tgt Ion:240 Resp: 154444
Ion Ratio Lower Upper
240 100
120 10.0 14.4 21.6#
236 24.9 20.5 30.7



#77
Benzidine
Concen: 2.836 ng
RT: 12.998 min Scan# 1821
Delta R.T. 0.247 min
Lab File: BF127242.D
Acq: 08 Mar 2022 01:49

Tgt Ion:184 Resp: 11901
Ion Ratio Lower Upper
184 100
185 15.5 11.8 17.8
183 8.5 8.2 12.2

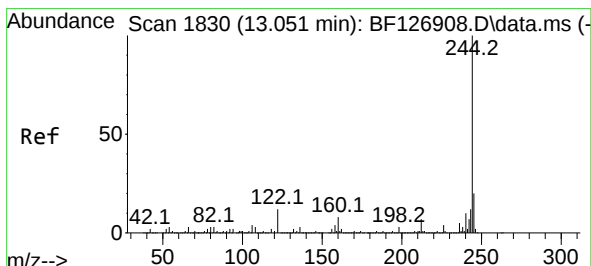
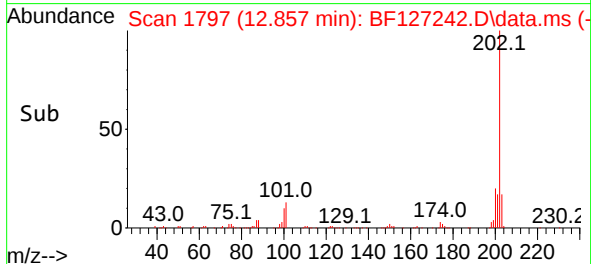
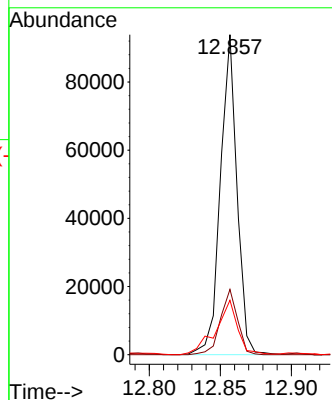
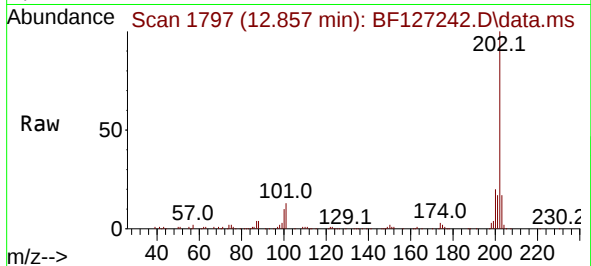




#78
Pyrene
Concen: 5.691 ng
RT: 12.857 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127242.D
Acq: 08 Mar 2022 01:49

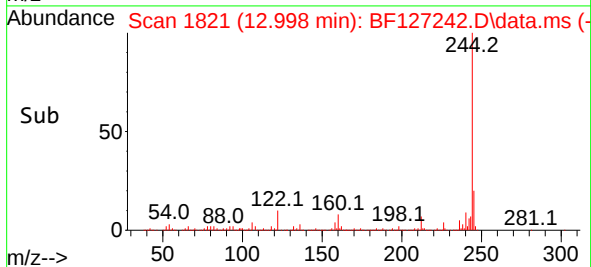
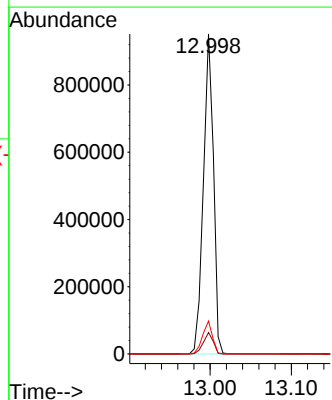
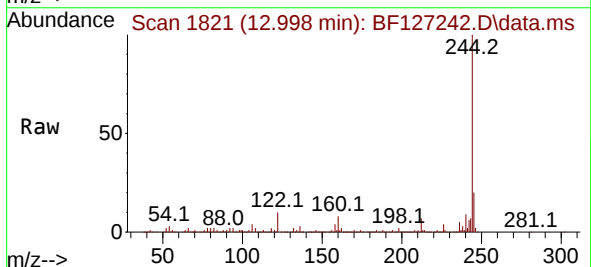
Instrument :
BNA_F
ClientSampleId :
DUM-27

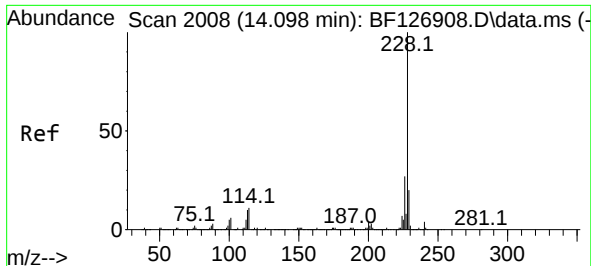
Tgt Ion:202 Resp: 76358
Ion Ratio Lower Upper
202 100
200 20.4 16.6 24.8
203 17.0 13.8 20.8



#79
Terphenyl-d14
Concen: 77.962 ng
RT: 12.998 min Scan# 1821
Delta R.T. 0.000 min
Lab File: BF127242.D
Acq: 08 Mar 2022 01:49

Tgt Ion:244 Resp: 819080
Ion Ratio Lower Upper
244 100
212 6.7 5.0 7.4
122 10.3 13.3 19.9#

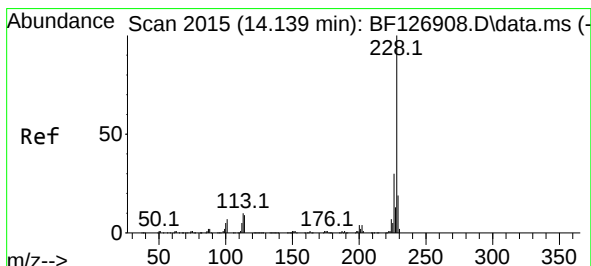
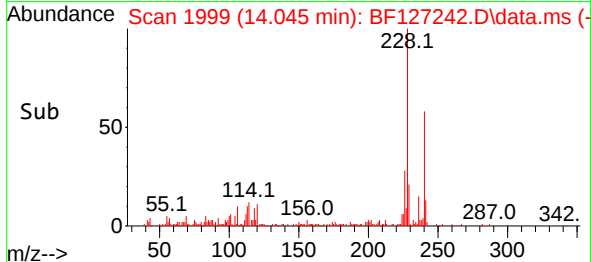
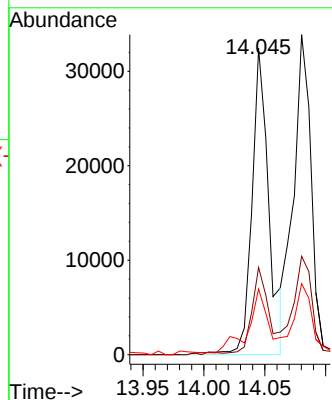
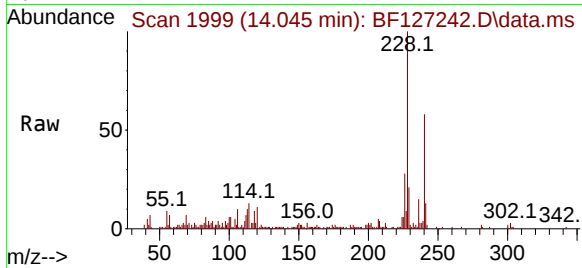




#81
Benzo(a)anthracene
Concen: 3.002 ng
RT: 14.045 min Scan# 1999
Delta R.T. -0.006 min
Lab File: BF127242.D
Acq: 08 Mar 2022 01:49

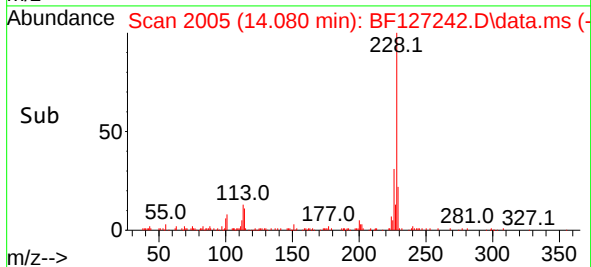
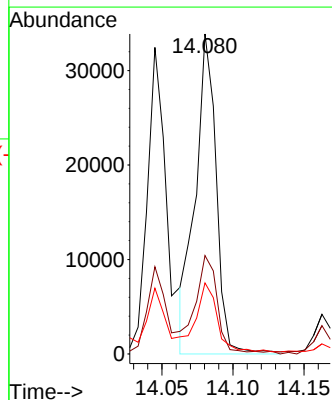
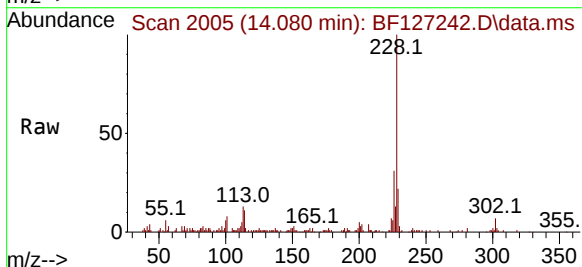
Instrument :
BNA_F
ClientSampleId :
DUM-27

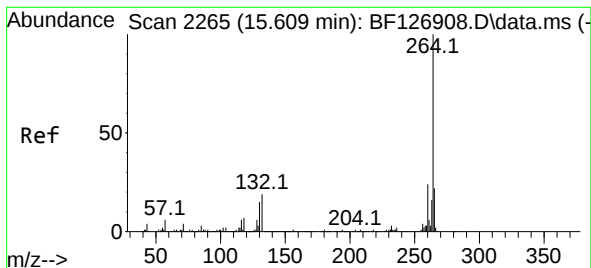
Tgt Ion:228 Resp: 31256
Ion Ratio Lower Upper
228 100
226 28.5 21.4 32.0
229 21.5 15.4 23.2



#83
Chrysene
Concen: 3.543 ng
RT: 14.080 min Scan# 2005
Delta R.T. -0.006 min
Lab File: BF127242.D
Acq: 08 Mar 2022 01:49

Tgt Ion:228 Resp: 34695
Ion Ratio Lower Upper
228 100
226 30.8 23.7 35.5
229 22.2 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF127242.D

Acq: 08 Mar 2022 01:49

Instrument :

BNA_F

ClientSampleId :

DUM-27

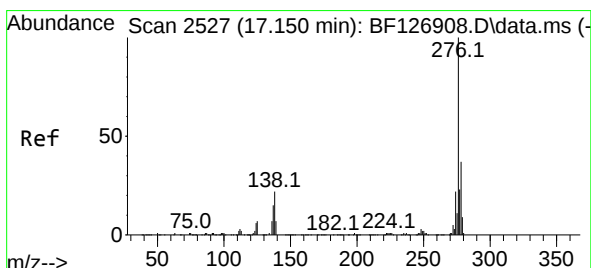
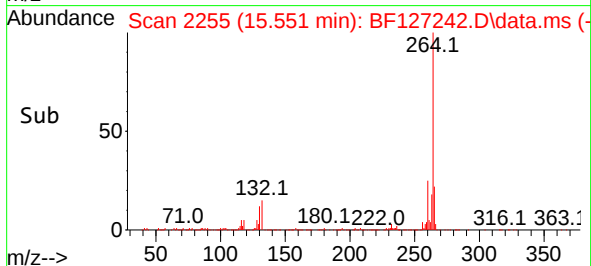
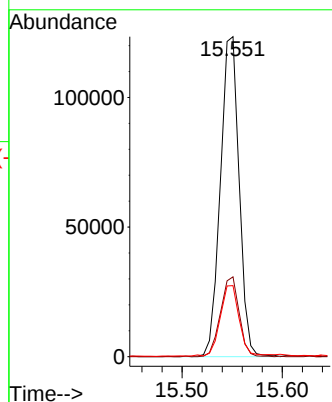
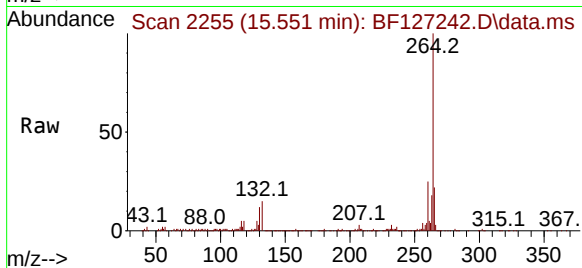
Tgt Ion:264 Resp: 160138

Ion Ratio Lower Upper

264 100

260 25.0 19.2 28.8

265 22.2 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.242 ng

RT: 17.051 min Scan# 2510

Delta R.T. -0.006 min

Lab File: BF127242.D

Acq: 08 Mar 2022 01:49

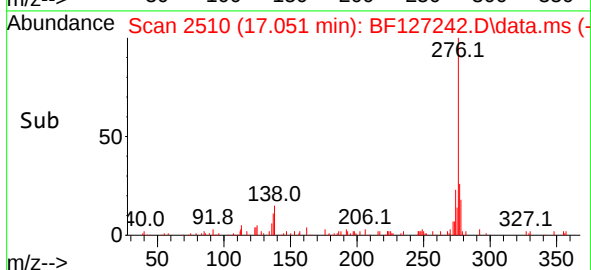
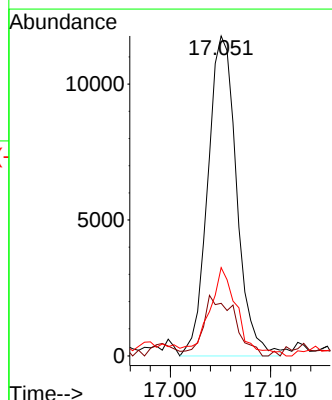
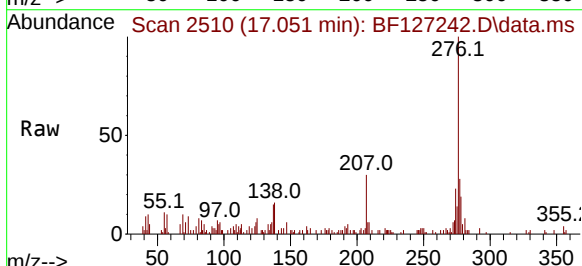
Tgt Ion:276 Resp: 23540

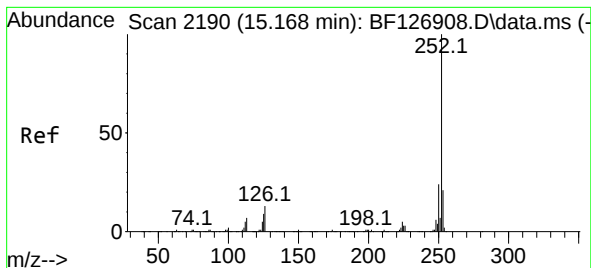
Ion Ratio Lower Upper

276 100

138 20.5 29.2 43.8#

277 26.6 19.8 29.8





#88

Benzo(b)fluoranthene

Concen: 6.458 ng

RT: 15.110 min Scan# 2180

Delta R.T. 0.000 min

Lab File: BF127242.D

Acq: 08 Mar 2022 01:49

Instrument :

BNA_F

ClientSampleId :

DUM-27

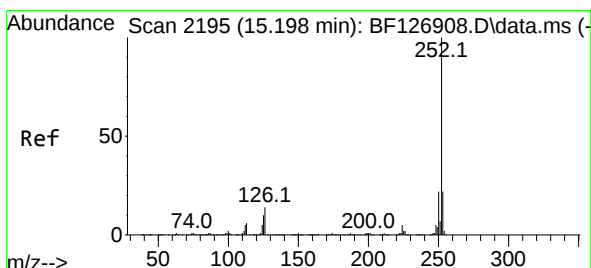
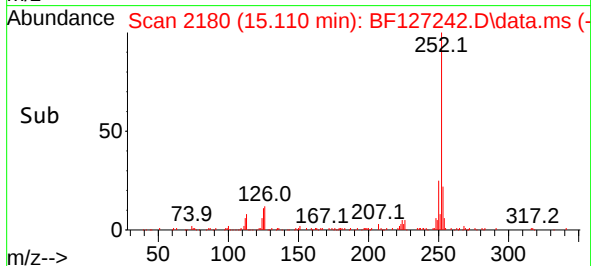
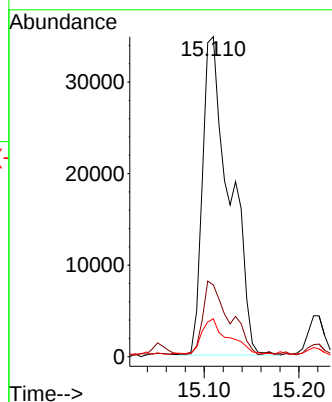
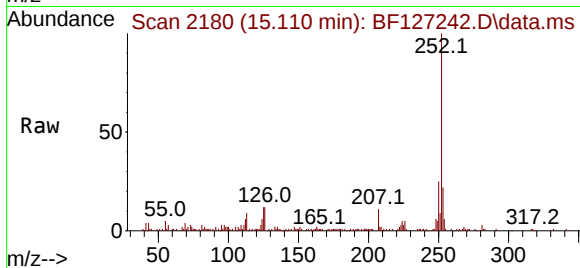
Tgt Ion:252 Resp: 69454

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.8

125 11.8 12.4 18.6#



#89

Benzo(k)fluoranthene

Concen: 6.695 ng

RT: 15.110 min Scan# 2180

Delta R.T. -0.029 min

Lab File: BF127242.D

Acq: 08 Mar 2022 01:49

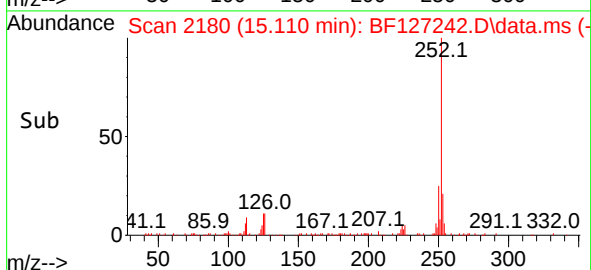
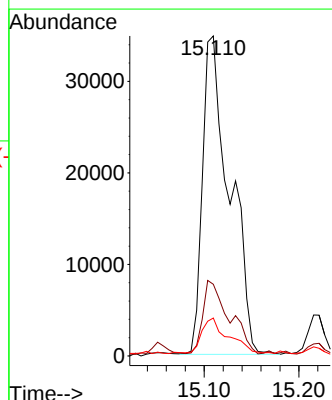
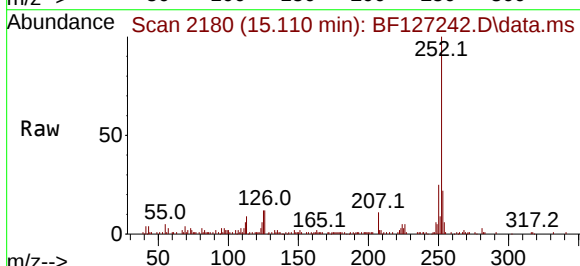
Tgt Ion:252 Resp: 69454

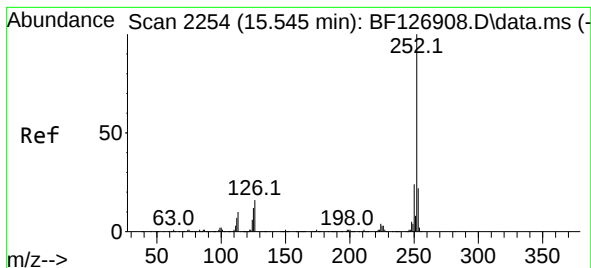
Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

125 11.8 11.8 17.6





#90

Benzo(a)pyrene

Concen: 3.951 ng

RT: 15.480 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF127242.D

Acq: 08 Mar 2022 01:49

Instrument :

BNA_F

ClientSampleId :

DUM-27

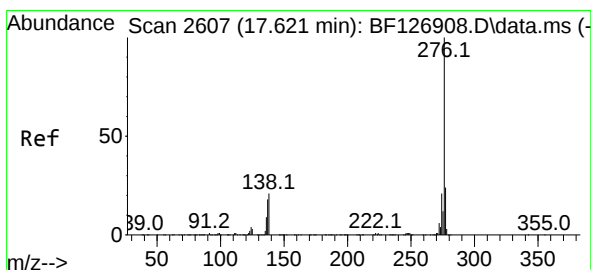
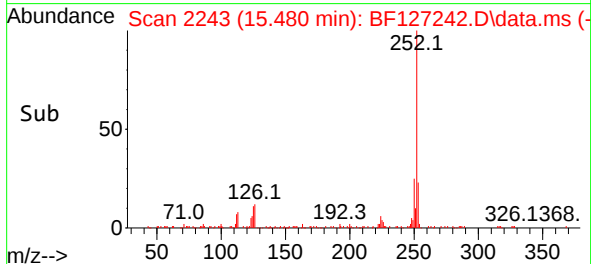
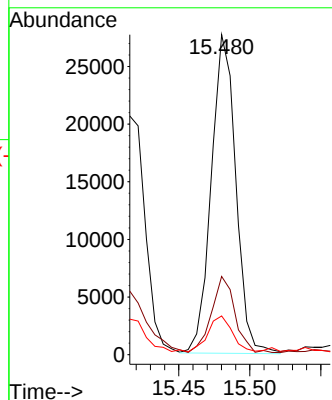
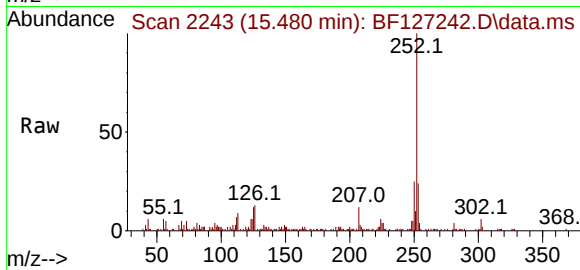
Tgt Ion:252 Resp: 33194

Ion Ratio Lower Upper

252 100

253 24.4 17.1 25.7

125 12.1 13.0 19.6#



#92

Benzo(g,h,i)perylene

Concen: 2.467 ng

RT: 17.509 min Scan# 2588

Delta R.T. -0.012 min

Lab File: BF127242.D

Acq: 08 Mar 2022 01:49

Tgt Ion:276 Resp: 21124

Ion Ratio Lower Upper

276 100

277 25.2 18.5 27.7

138 17.2 25.9 38.9#

