

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041222\
 Data File : BF127771.D
 Acq On : 12 Apr 2022 21:29
 Operator : CG\JU
 Sample : N2365-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-041122

Quant Time: Apr 13 07:25:54 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)

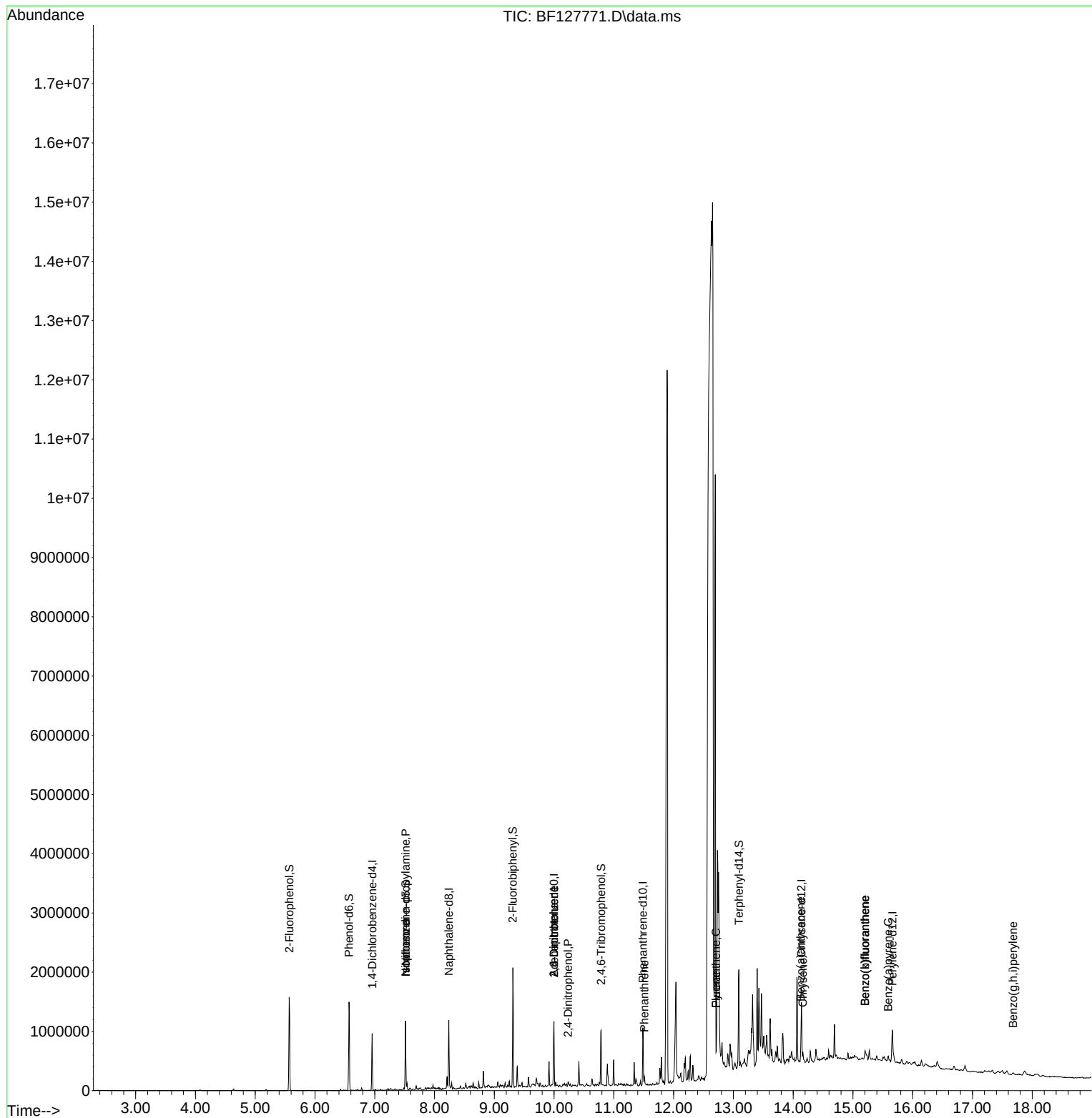
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.957	152	124638	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	428385	20.000	ng	# 0.00
39) Acenaphthene-d10	9.998	164	211330	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	338548	20.000	ng	0.00
76) Chrysene-d12	14.139	240	338187	20.000	ng	0.00
86) Perylene-d12	15.663	264	265787	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	391078	50.985	ng	-0.01
7) Phenol-d6	6.569	99	466217	46.461	ng	-0.01
23) Nitrobenzene-d5	7.516	82	320465	33.350	ng	-0.01
42) 2,4,6-Tribromophenol	10.786	330	115849	51.514	ng	0.00
45) 2-Fluorobiphenyl	9.310	172	553019	37.020	ng	-0.01
79) Terphenyl-d14	13.092	244	545168	26.608	ng	0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.510	77	483	Below Cal	#	17
19) n-Nitroso-di-n-propyla...	7.516	70	46002	7.088	ng	# 75
25) Isophorone	7.516	82	320465	19.113	ng	# 70
51) 2,6-Dinitrotoluene	9.998	165	27720	9.600	ng	# 17
54) 2,4-Dinitrophenol	10.233	184	66	5.351	ng	# 1
57) 2,4-Dinitrotoluene	9.998	165	27720	7.743	ng	# 14
71) Phenanthrene	11.510	178	42637	2.377	ng	98
75) Fluoranthene	12.710	202	107062	5.470	ng	98
78) Pyrene	12.710	202	107062	3.749	ng	98
81) Benzo(a)anthracene	14.127	228	66161	2.929	ng	# 93
83) Chrysene	14.163	228	67520	3.114	ng	# 94
88) Benzo(b)fluoranthene	15.204	252	112032	6.552	ng	# 89
89) Benzo(k)fluoranthene	15.204	252	112032	6.606	ng	# 88
90) Benzo(a)pyrene	15.592	252	50920	3.664	ng	# 90
92) Benzo(g,h,i)perylene	17.680	276	29571	2.144	ng	# 91

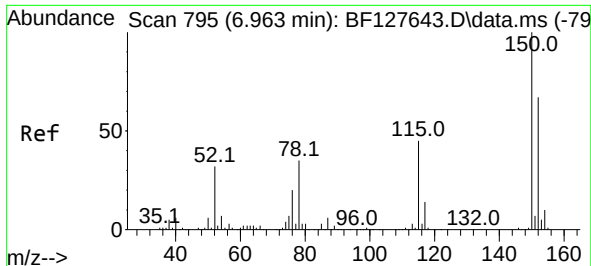
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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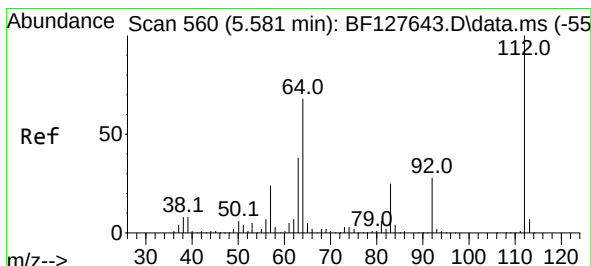
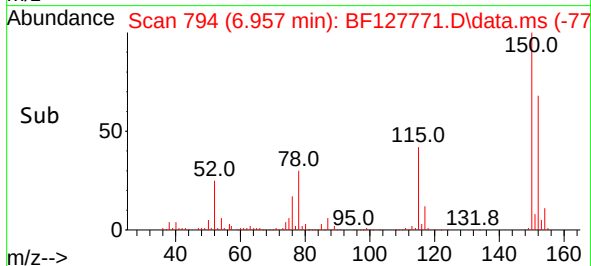
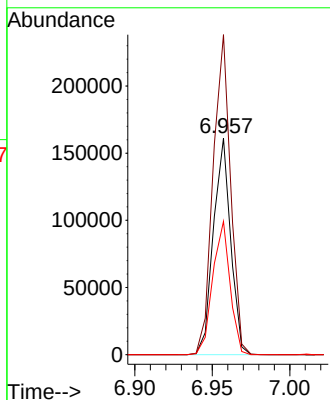
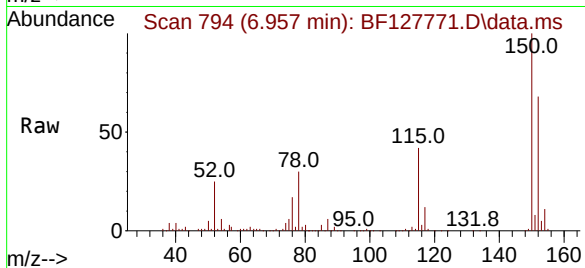




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.957 min Scan# 795
 Delta R.T. 0.000 min
 Lab File: BF127771.D
 Acq: 12 Apr 2022 21:29

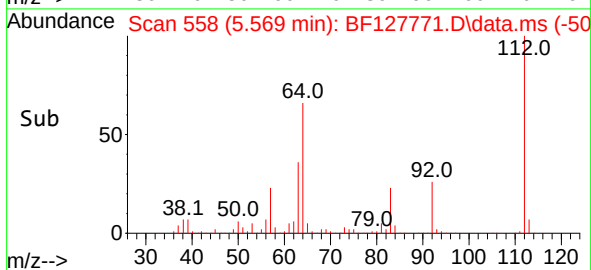
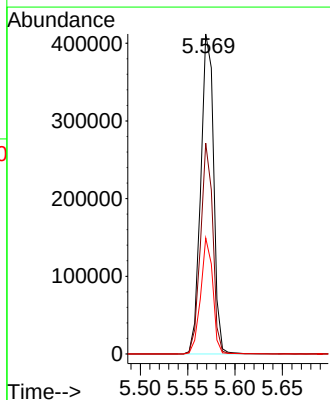
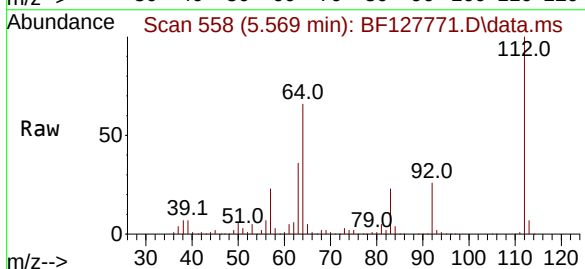
Instrument :
 BNA_F
 ClientSampleId :
 TR-04-041122

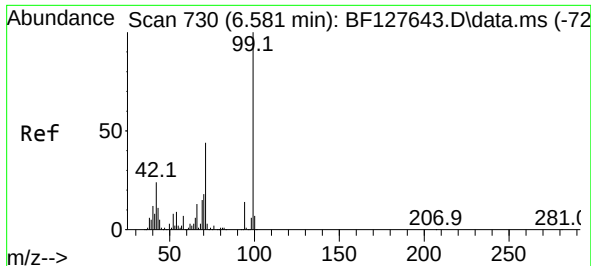
Tgt Ion:152 Resp: 124638
 Ion Ratio Lower Upper
 152 100
 150 147.8 117.2 175.8
 115 61.5 49.8 74.6



#5
 2-Fluorophenol
 Concen: 50.985 ng
 RT: 5.569 min Scan# 558
 Delta R.T. -0.012 min
 Lab File: BF127771.D
 Acq: 12 Apr 2022 21:29

Tgt Ion:112 Resp: 391078
 Ion Ratio Lower Upper
 112 100
 64 65.9 58.4 87.6
 63 36.3 30.1 45.1





#7

Phenol-d6

Concen: 46.461 ng

RT: 6.569 min Scan# 718

Delta R.T. -0.012 min

Lab File: BF127771.D

Acq: 12 Apr 2022 21:29

Instrument :

BNA_F

ClientSampleId :

TR-04-041122

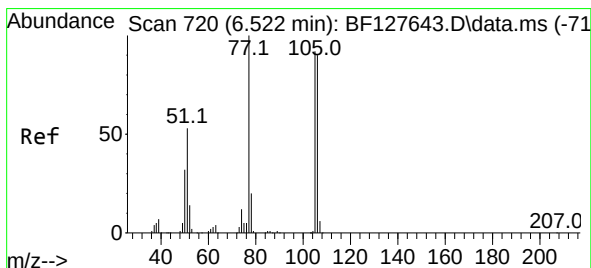
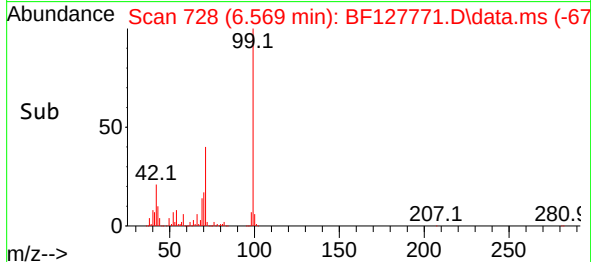
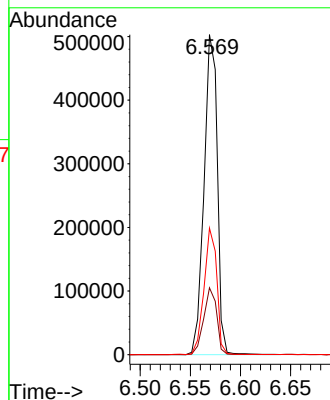
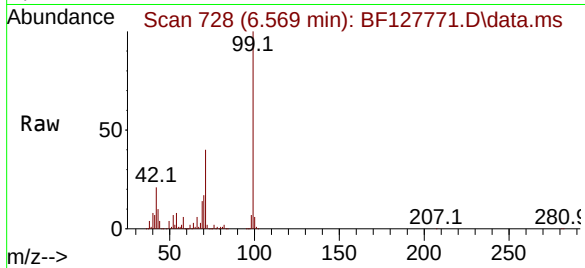
Tgt Ion: 99 Resp: 466217

Ion Ratio Lower Upper

99 100

42 20.9 17.8 26.6

71 39.5 29.6 44.4



#9

Benzaldehyde

Concen: Below Cal

RT: 6.510 min Scan# 718

Delta R.T. -0.006 min

Lab File: BF127771.D

Acq: 12 Apr 2022 21:29

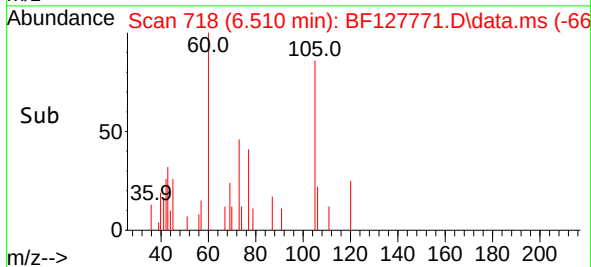
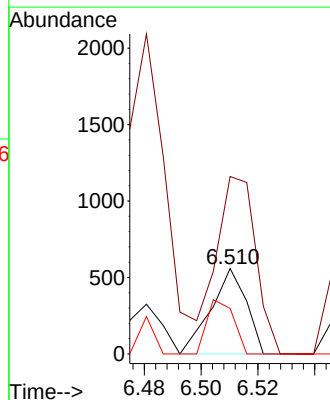
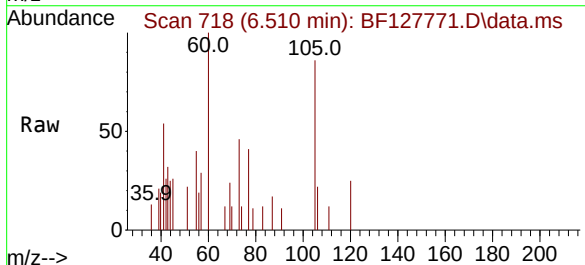
Tgt Ion: 77 Resp: 483

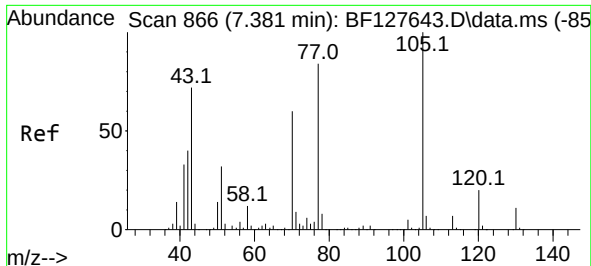
Ion Ratio Lower Upper

77 100

105 207.7 66.8 106.8#

106 53.3 64.3 104.3#

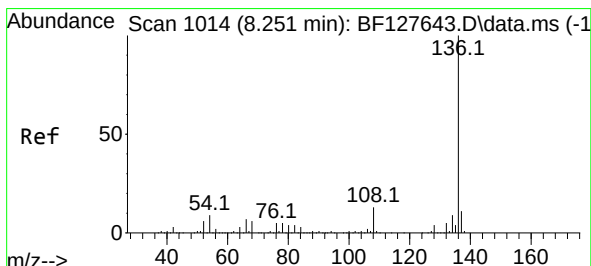
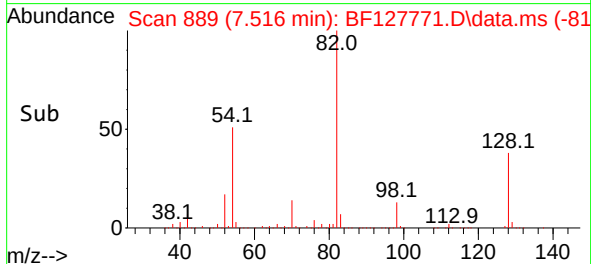
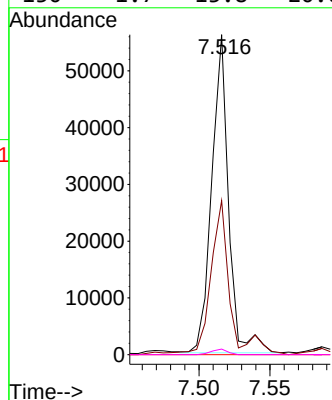
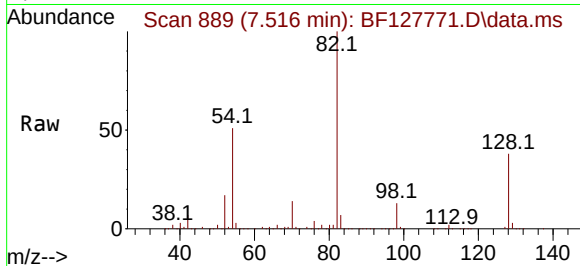




#19
n-Nitroso-di-n-propylamine
Concen: 7.088 ng
RT: 7.516 min Scan# 81
Delta R.T. 0.147 min
Lab File: BF127771.D
Acq: 12 Apr 2022 21:29

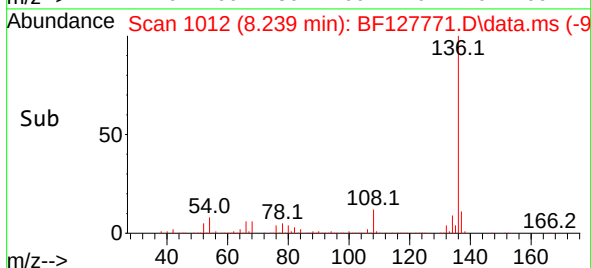
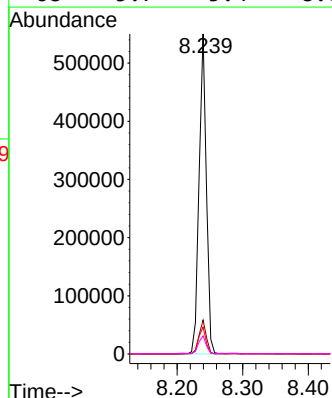
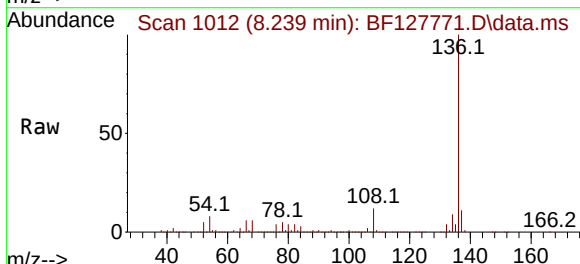
Instrument :
BNA_F
ClientSampleId :
TR-04-041122

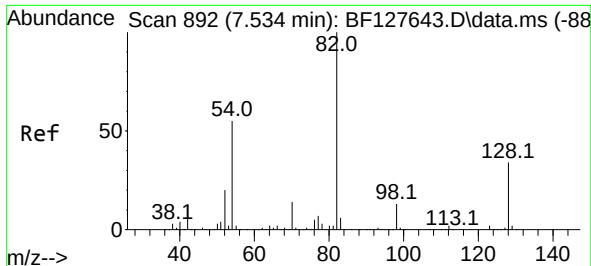
Tgt Ion: 70 Resp: 46002
Ion Ratio Lower Upper
70 100
42 48.1 53.0 79.6#
101 0.0 6.8 10.2#
130 1.7 13.8 20.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF127771.D
Acq: 12 Apr 2022 21:29

Tgt Ion:136 Resp: 428385
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 8.4 9.2 13.8#
68 5.7 5.4 8.0





#23

Nitrobenzene-d5

Concen: 33.350 ng

RT: 7.516 min Scan# 889

Delta R.T. -0.012 min

Lab File: BF127771.D

Acq: 12 Apr 2022 21:29

Instrument :

BNA_F

ClientSampleId :

TR-04-041122

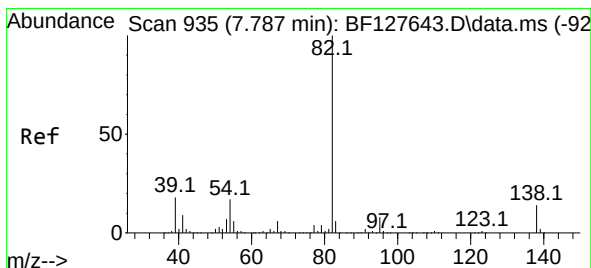
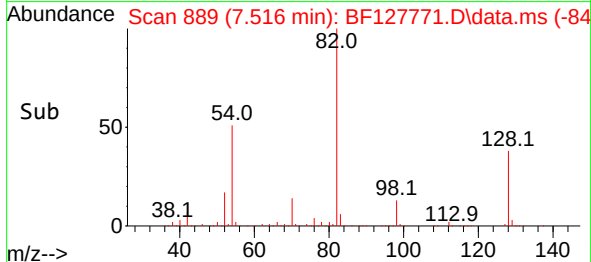
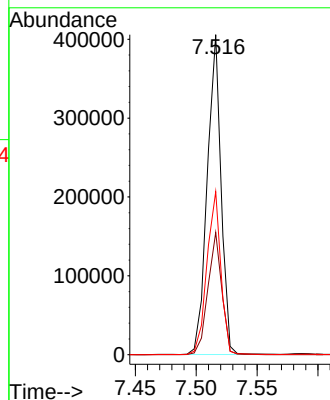
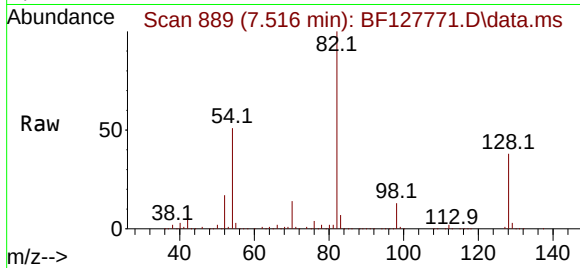
Tgt Ion: 82 Resp: 320465

Ion Ratio Lower Upper

82 100

128 38.2 30.6 45.8

54 50.9 48.2 72.2



#25

Isophorone

Concen: 19.113 ng

RT: 7.516 min Scan# 889

Delta R.T. -0.265 min

Lab File: BF127771.D

Acq: 12 Apr 2022 21:29

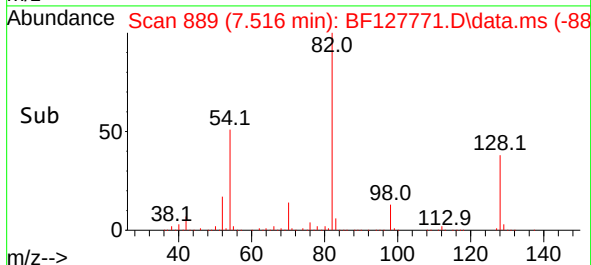
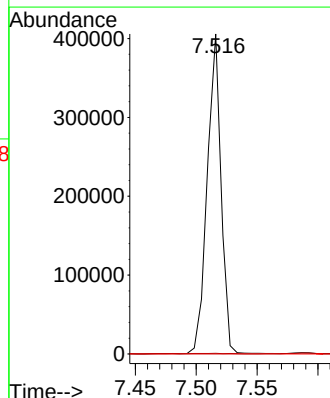
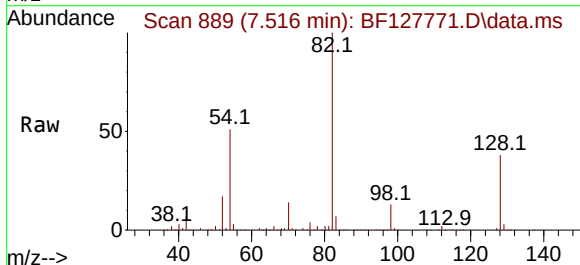
Tgt Ion: 82 Resp: 320465

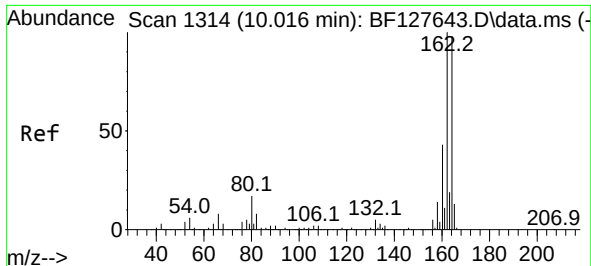
Ion Ratio Lower Upper

82 100

95 0.2 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: BF127771.D

Acq: 12 Apr 2022 21:29

Instrument :

BNA_F

ClientSampleId :

TR-04-041122

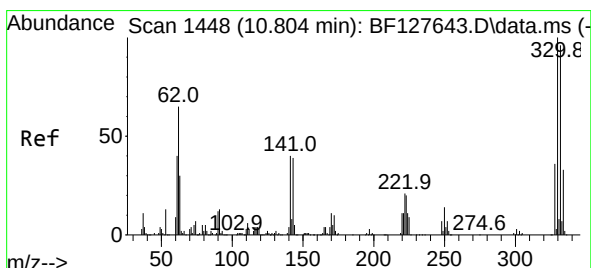
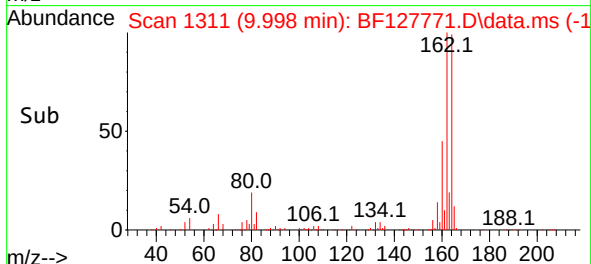
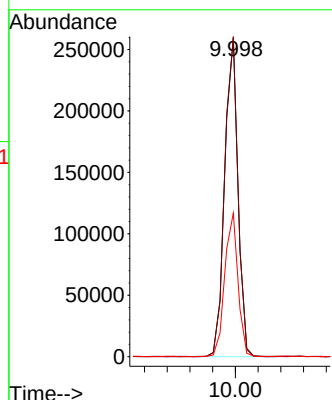
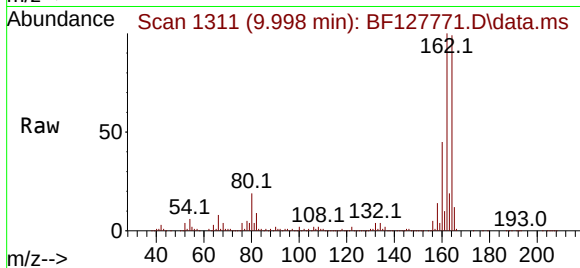
Tgt Ion:164 Resp: 211330

Ion Ratio Lower Upper

164 100

162 100.5 81.2 121.8

160 45.1 34.6 52.0



#42

2,4,6-Tribromophenol

Concen: 51.514 ng

RT: 10.786 min Scan# 1445

Delta R.T. -0.006 min

Lab File: BF127771.D

Acq: 12 Apr 2022 21:29

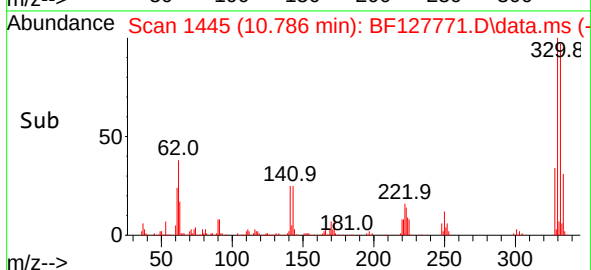
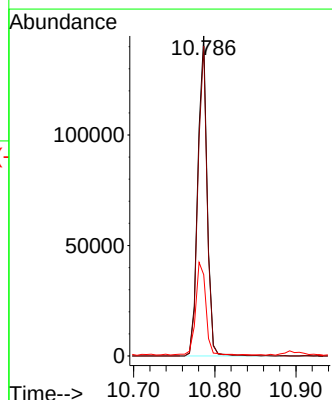
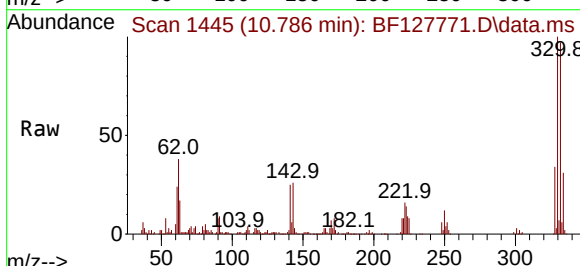
Tgt Ion:330 Resp: 115849

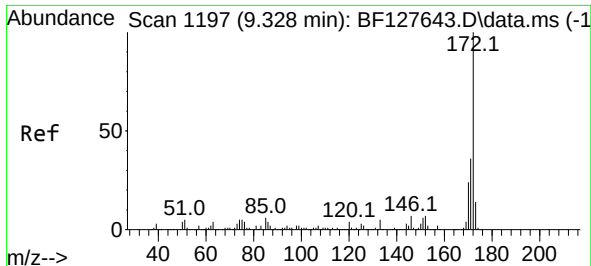
Ion Ratio Lower Upper

330 100

332 95.9 79.1 118.7

141 31.6 26.2 39.4





#45

2-Fluorobiphenyl

Concen: 37.020 ng

RT: 9.310 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF127771.D

Acq: 12 Apr 2022 21:29

Instrument :

BNA_F

ClientSampleId :

TR-04-041122

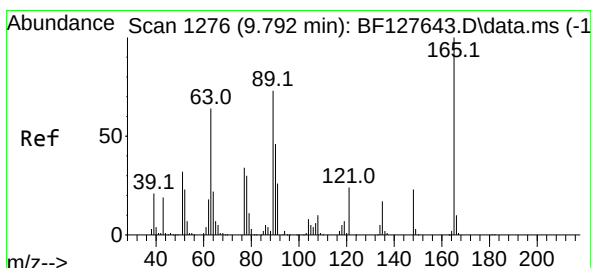
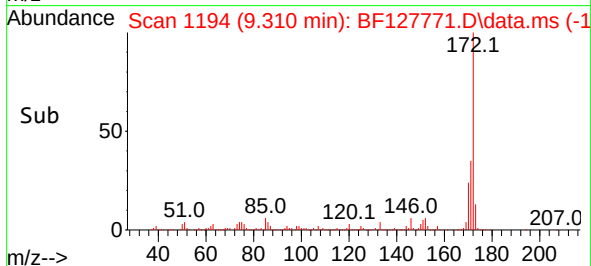
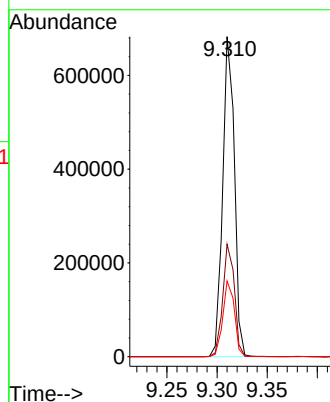
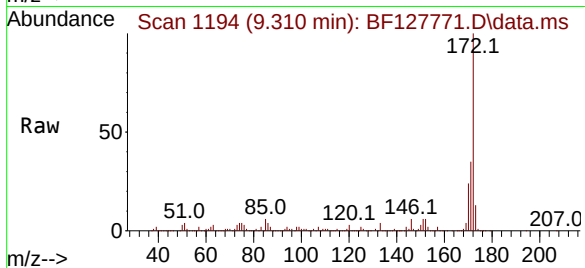
Tgt Ion:172 Resp: 553019

Ion Ratio Lower Upper

172 100

171 35.1 28.4 42.6

170 23.6 18.6 27.8



#51

2,6-Dinitrotoluene

Concen: 9.600 ng

RT: 9.998 min Scan# 1311

Delta R.T. 0.218 min

Lab File: BF127771.D

Acq: 12 Apr 2022 21:29

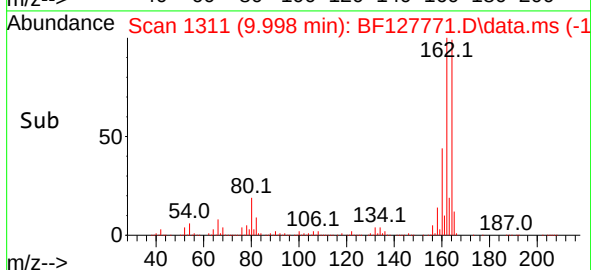
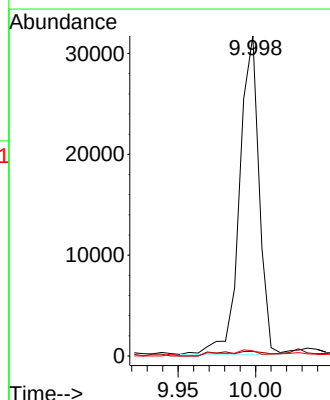
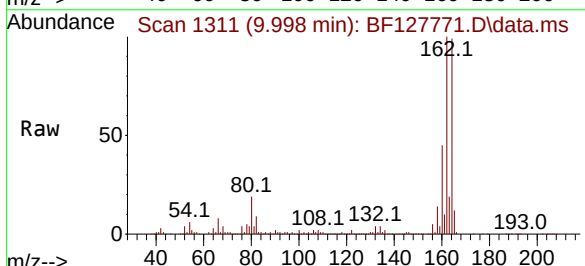
Tgt Ion:165 Resp: 27720

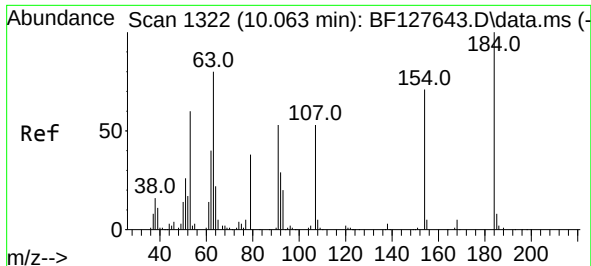
Ion Ratio Lower Upper

165 100

63 1.4 58.3 87.5#

89 1.6 51.5 77.3#

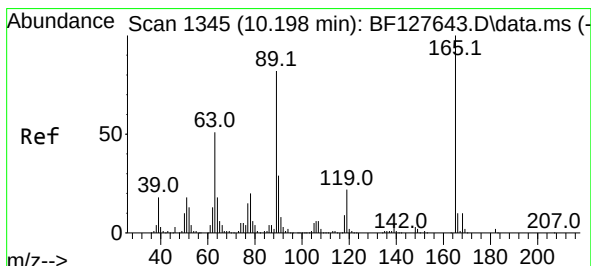
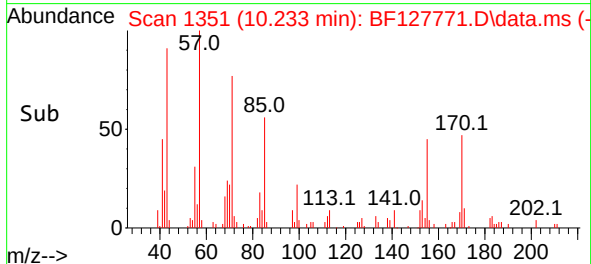
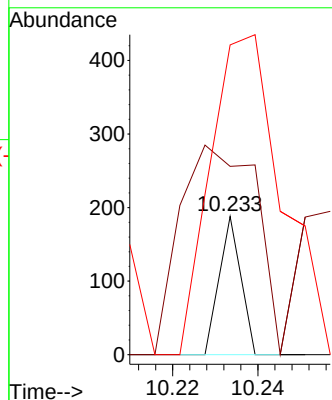
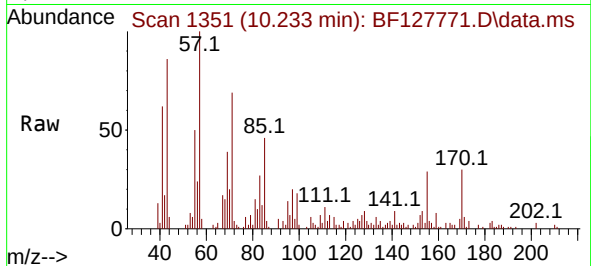




#54
2,4-Dinitrophenol
Concen: 5.351 ng
RT: 10.233 min Scan# 11
Delta R.T. 0.177 min
Lab File: BF127771.D
Acq: 12 Apr 2022 21:29

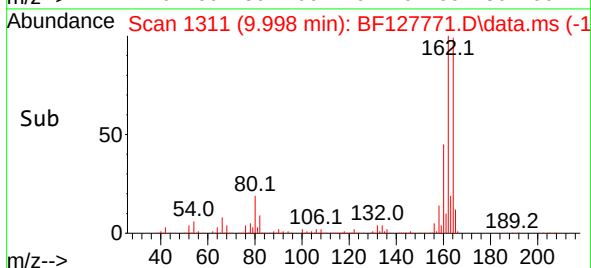
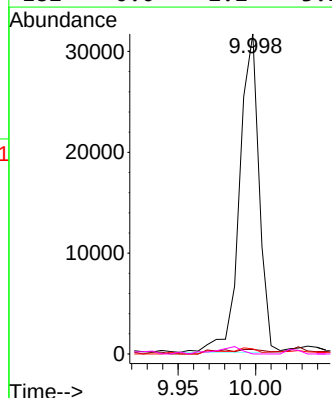
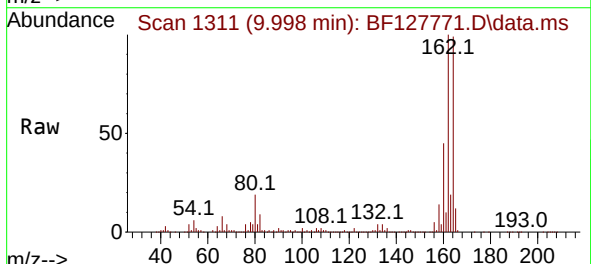
Instrument :
BNA_F
ClientSampleId :
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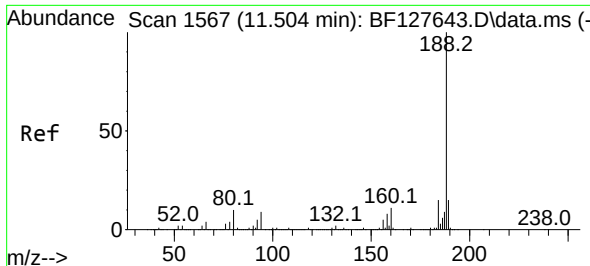
Tgt Ion:184 Resp: 66
Ion Ratio Lower Upper
184 100
63 136.2 58.1 87.1#
154 223.9 53.2 79.8#



#57
2,4-Dinitrotoluene
Concen: 7.743 ng
RT: 9.998 min Scan# 1311
Delta R.T. -0.188 min
Lab File: BF127771.D
Acq: 12 Apr 2022 21:29

Tgt Ion:165 Resp: 27720
Ion Ratio Lower Upper
165 100
63 1.4 53.1 79.7#
89 1.6 69.2 103.8#
182 0.0 2.2 3.2#

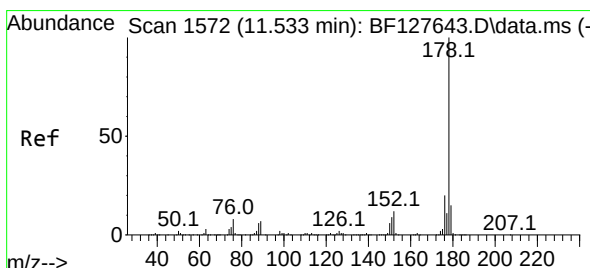
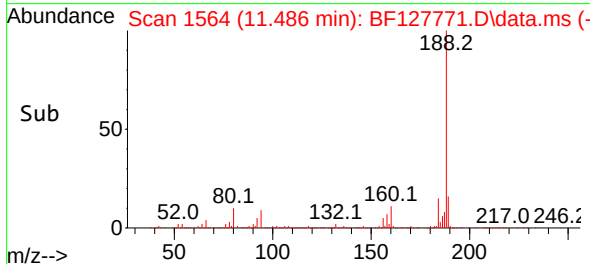
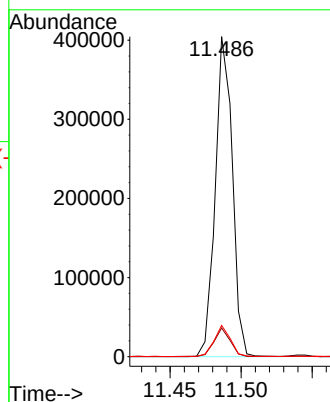
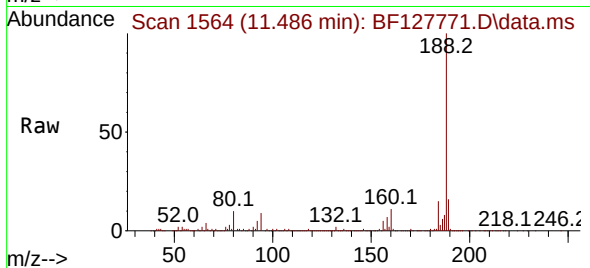




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BF127771.D
Acq: 12 Apr 2022 21:29

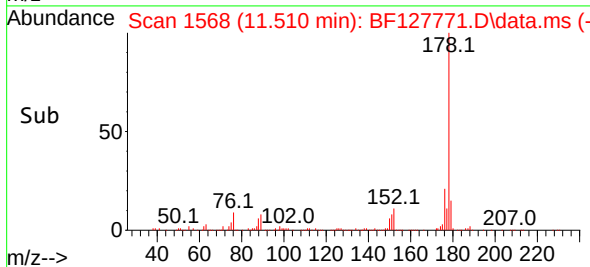
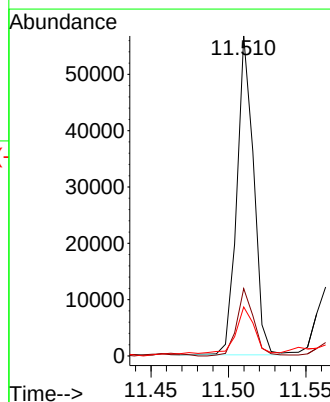
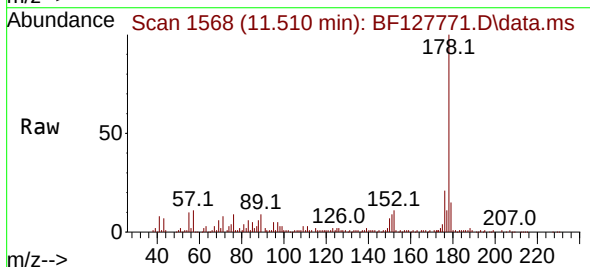
Instrument :
BNA_F
ClientSampleId :
TR-04-041122

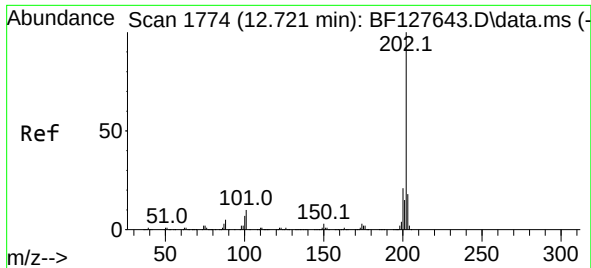
Tgt Ion:188 Resp: 338548
Ion Ratio Lower Upper
188 100
94 8.9 7.4 11.0
80 9.8 8.0 12.0



#71
Phenanthrene
Concen: 2.377 ng
RT: 11.510 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF127771.D
Acq: 12 Apr 2022 21:29

Tgt Ion:178 Resp: 42637
Ion Ratio Lower Upper
178 100
176 21.1 15.4 23.2
179 15.3 12.4 18.6

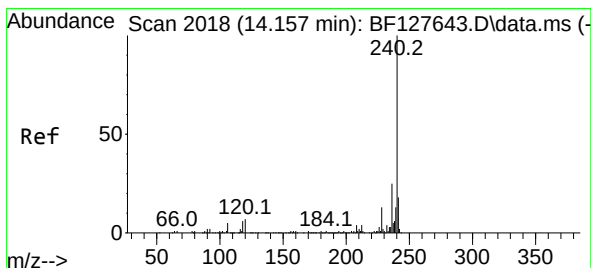
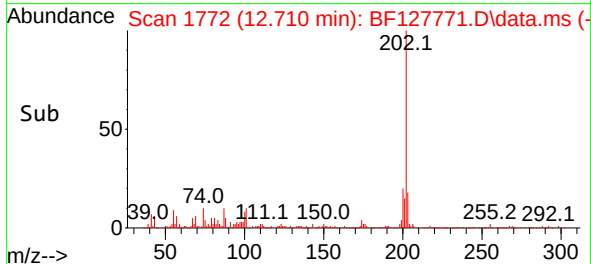
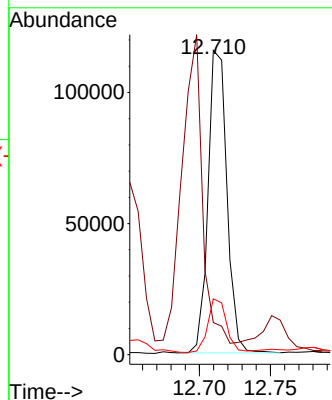
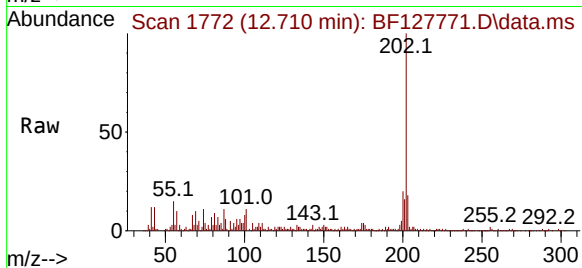




#75
Fluoranthene
Concen: 5.470 ng
RT: 12.710 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF127771.D
Acq: 12 Apr 2022 21:29

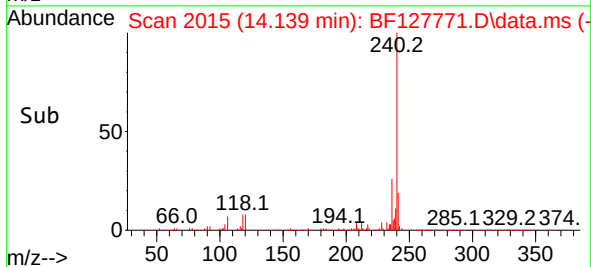
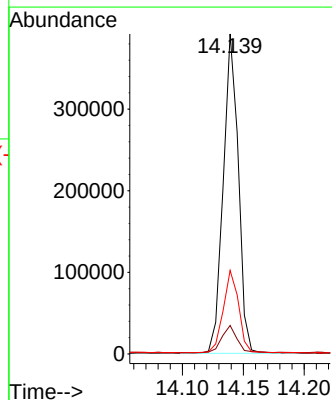
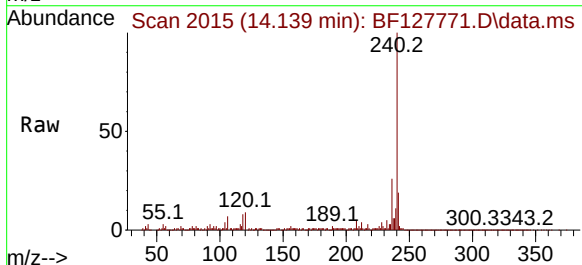
Instrument :
BNA_F
ClientSampleId :
TR-04-041122

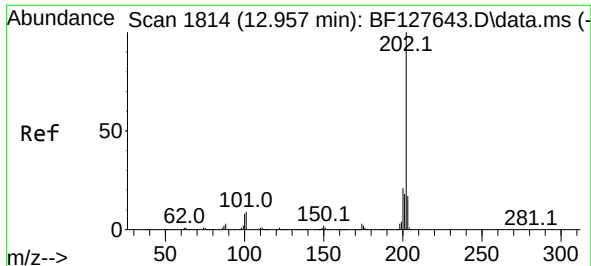
Tgt Ion:202 Resp: 107062
Ion Ratio Lower Upper
202 100
101 10.6 0.0 29.0
203 18.4 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.139 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF127771.D
Acq: 12 Apr 2022 21:29

Tgt Ion:240 Resp: 338187
Ion Ratio Lower Upper
240 100
120 8.9 7.1 10.7
236 26.1 20.7 31.1

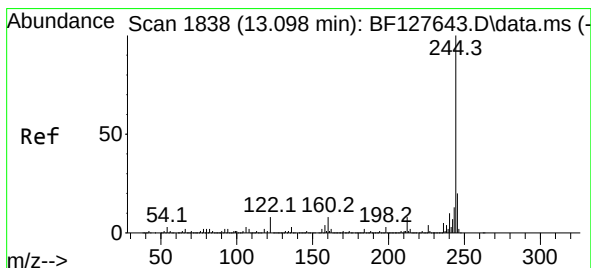
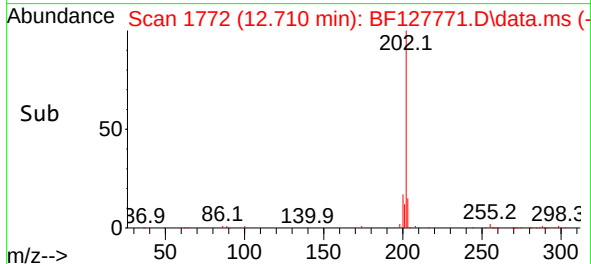
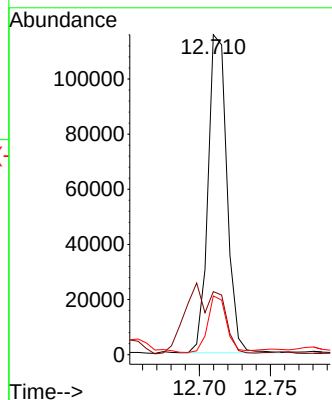
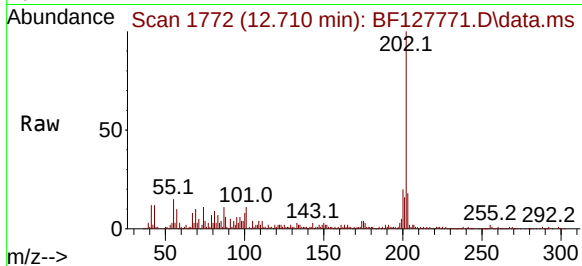




#78
Pyrene
Concen: 3.749 ng
RT: 12.710 min Scan# 11
Delta R.T. -0.229 min
Lab File: BF127771.D
Acq: 12 Apr 2022 21:29

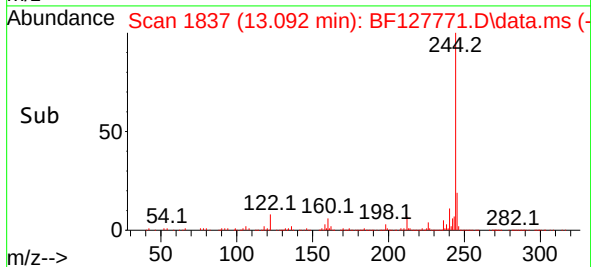
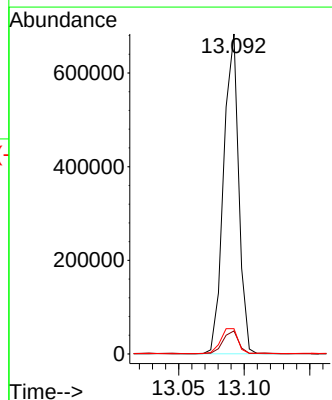
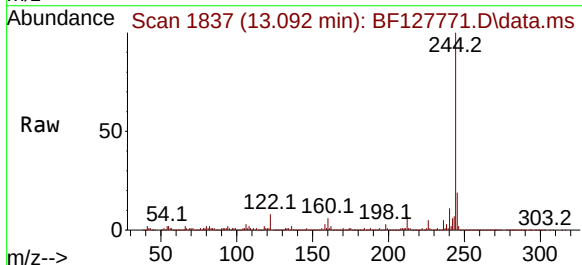
Instrument :
BNA_F
ClientSampleId :
TR-04-041122

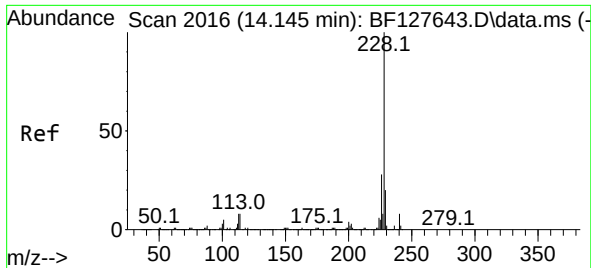
Tgt Ion:202 Resp: 107062
Ion Ratio Lower Upper
202 100
200 19.7 17.1 25.7
203 18.4 14.3 21.5



#79
Terphenyl-d14
Concen: 26.608 ng
RT: 13.092 min Scan# 1837
Delta R.T. 0.012 min
Lab File: BF127771.D
Acq: 12 Apr 2022 21:29

Tgt Ion:244 Resp: 545168
Ion Ratio Lower Upper
244 100
212 7.2 5.7 8.5
122 7.9 6.2 9.2

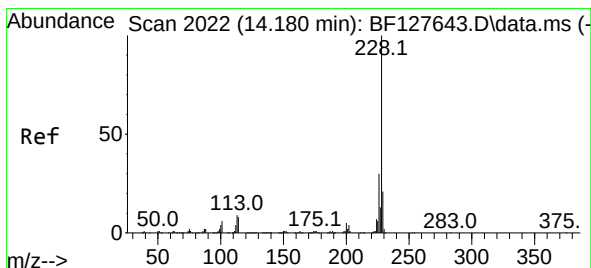
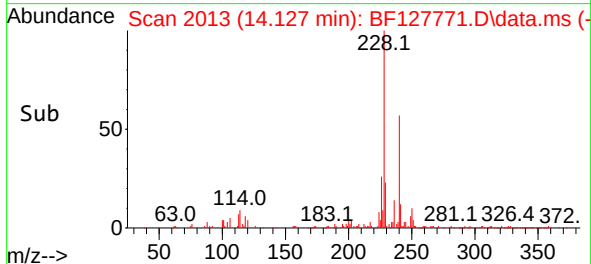
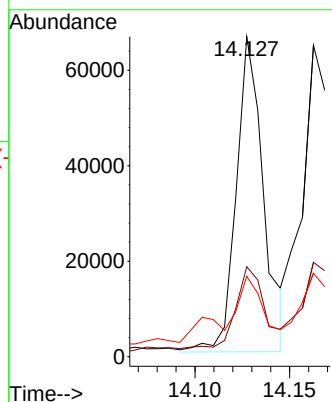
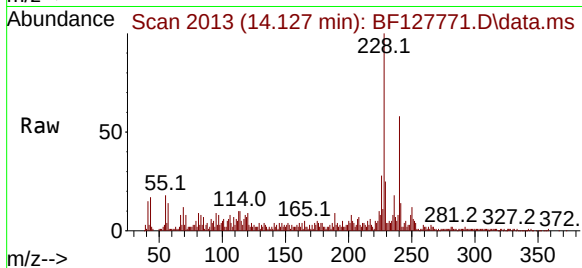




#81
Benzo(a)anthracene
Concen: 2.929 ng
RT: 14.127 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF127771.D
Acq: 12 Apr 2022 21:29

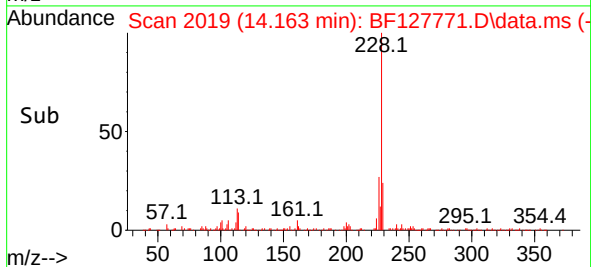
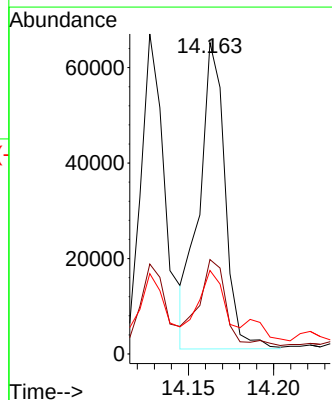
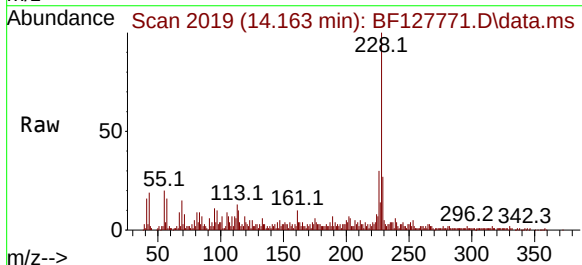
Instrument :
BNA_F
ClientSampleId :
TR-04-041122

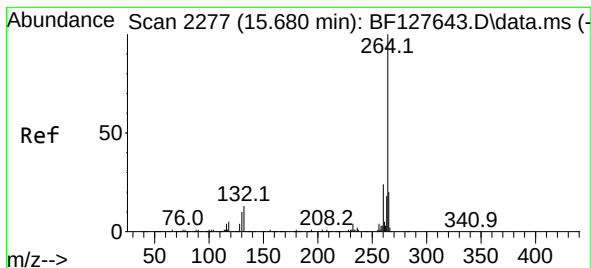
Tgt Ion:228 Resp: 66161
Ion Ratio Lower Upper
228 100
226 28.1 21.6 32.4
229 25.1 15.4 23.2#



#83
Chrysene
Concen: 3.114 ng
RT: 14.163 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF127771.D
Acq: 12 Apr 2022 21:29

Tgt Ion:228 Resp: 67520
Ion Ratio Lower Upper
228 100
226 30.3 24.2 36.4
229 26.8 15.4 23.2#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.663 min Scan# 2196

Delta R.T. 0.006 min

Lab File: BF127771.D

Acq: 12 Apr 2022 21:29

Instrument :

BNA_F

ClientSampleId :

TR-04-041122

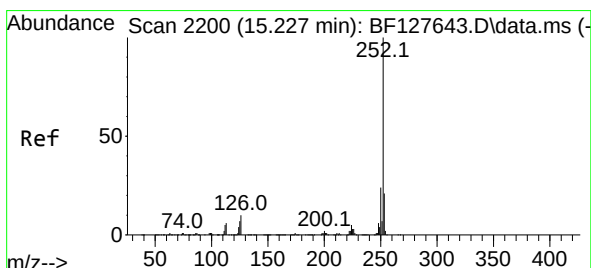
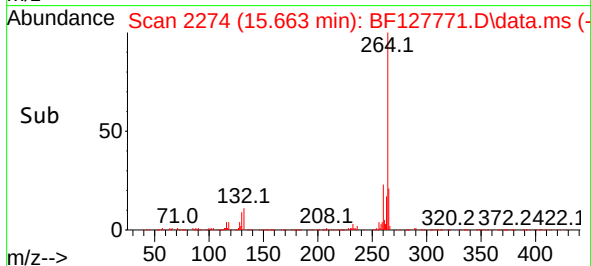
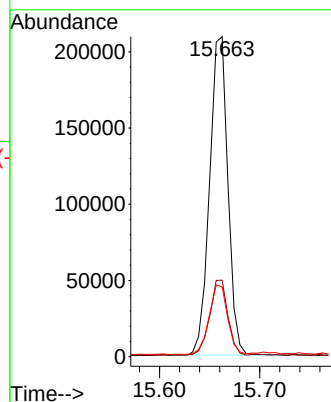
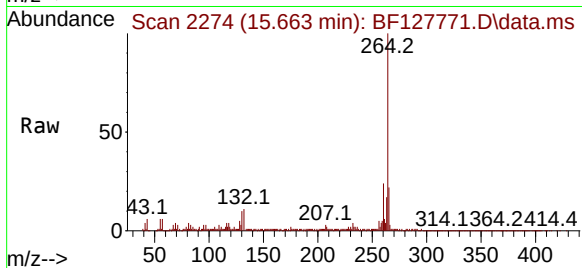
Tgt Ion:264 Resp: 265787

Ion Ratio Lower Upper

264 100

260 23.9 19.1 28.7

265 21.8 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 6.552 ng

RT: 15.204 min Scan# 2196

Delta R.T. 0.000 min

Lab File: BF127771.D

Acq: 12 Apr 2022 21:29

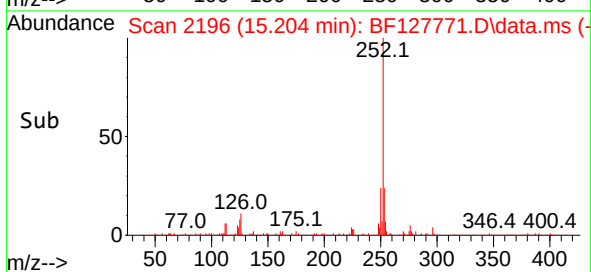
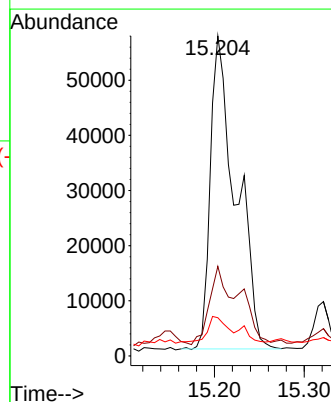
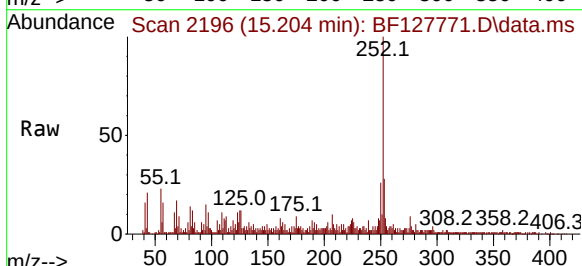
Tgt Ion:252 Resp: 112032

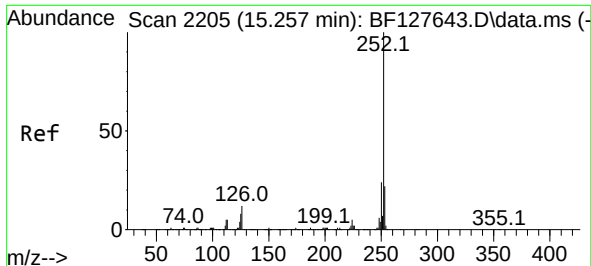
Ion Ratio Lower Upper

252 100

253 28.0 17.9 26.9#

125 12.0 7.0 10.4#

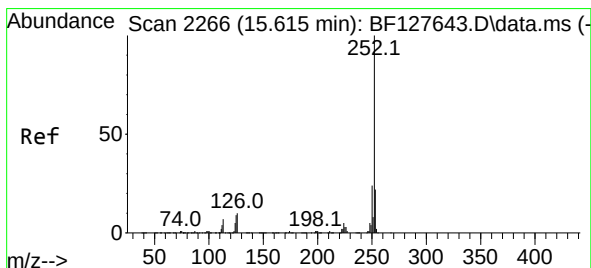
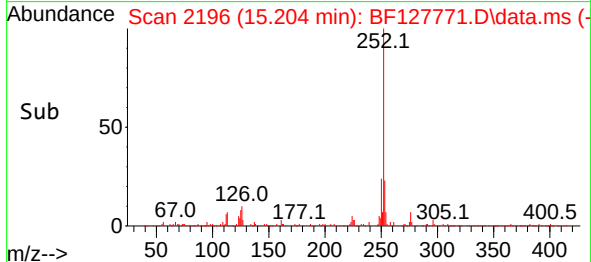
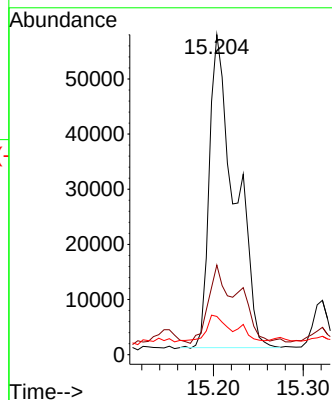
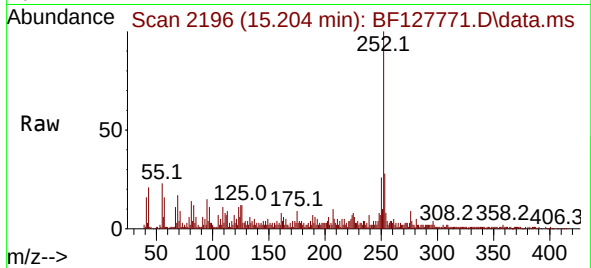




#89
Benzo(k)fluoranthene
Concen: 6.606 ng
RT: 15.204 min Scan# 21196
Delta R.T. -0.035 min
Lab File: BF127771.D
Acq: 12 Apr 2022 21:29

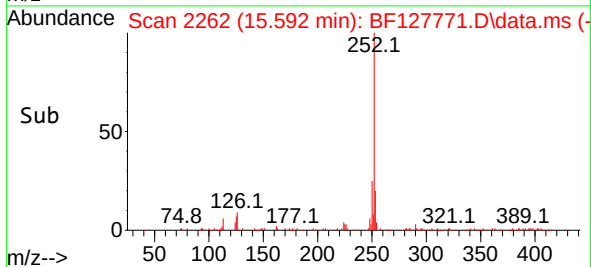
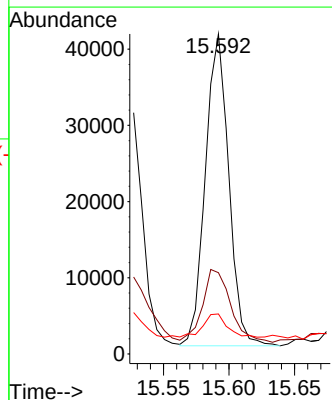
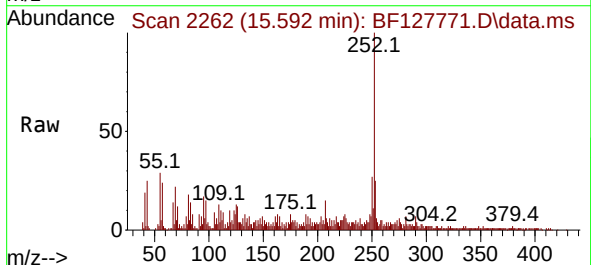
Instrument :
BNA_F
ClientSampleId :
TR-04-041122

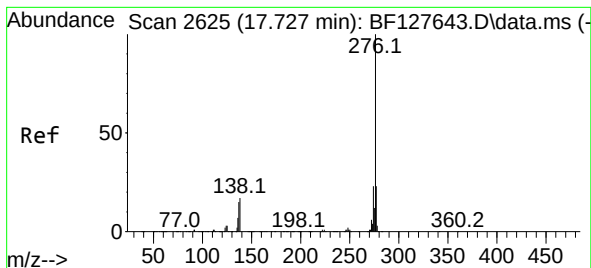
Tgt Ion:252 Resp: 112032
Ion Ratio Lower Upper
252 100
253 28.0 17.3 25.9#
125 12.0 6.9 10.3#



#90
Benzo(a)pyrene
Concen: 3.664 ng
RT: 15.592 min Scan# 2262
Delta R.T. 0.000 min
Lab File: BF127771.D
Acq: 12 Apr 2022 21:29

Tgt Ion:252 Resp: 50920
Ion Ratio Lower Upper
252 100
253 25.4 17.0 25.6
125 12.5 6.7 10.1#





#92

Benzo(g,h,i)perylene

Concen: 2.144 ng

RT: 17.680 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF127771.D

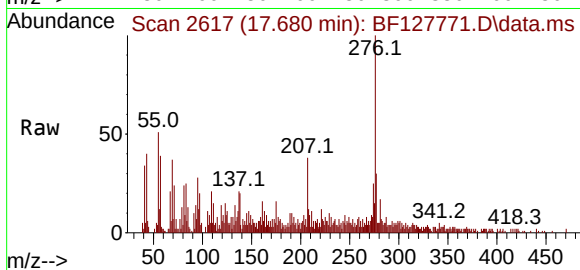
Acq: 12 Apr 2022 21:29

Instrument :

BNA_F

ClientSampleId :

TR-04-041122



Tgt Ion:276 Resp: 29571

Ion Ratio Lower Upper

276 100

277 30.0 19.0 28.4#

138 20.3 14.6 22.0

