

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041822\
 Data File : BF127829.D
 Acq On : 18 Apr 2022 17:04
 Operator : CG\JU
 Sample : N2442-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 124035

Quant Time: Apr 19 05:15:46 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 16:40:15 2022
 Response via : Initial Calibration

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

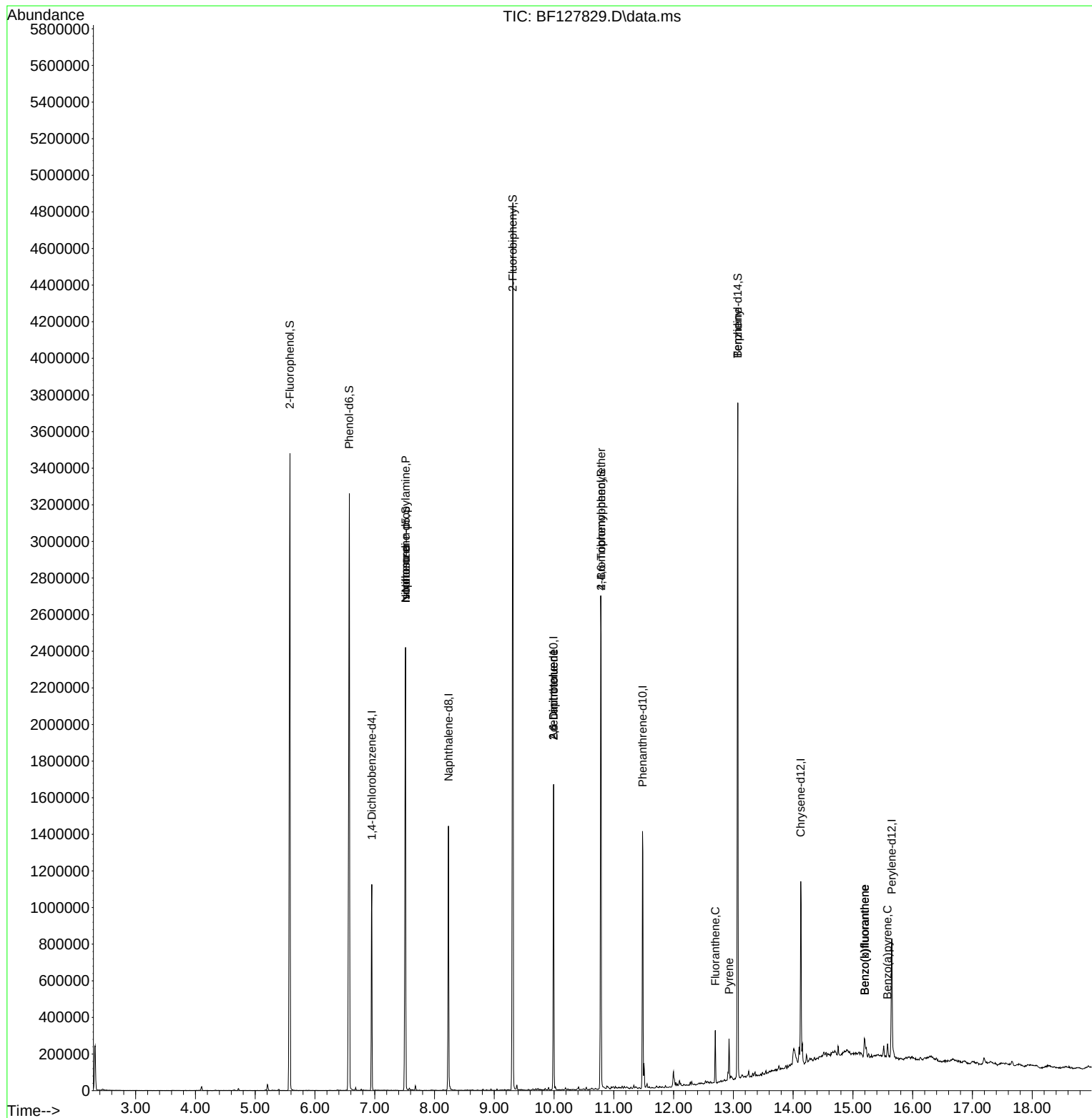
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.951	152	161242	20.000	ng	-0.01
21) Naphthalene-d8	8.234	136	587461	20.000	ng	#-0.01
39) Acenaphthene-d10	9.992	164	319470	20.000	ng	-0.01
64) Phenanthrene-d10	11.481	188	529637	20.000	ng	-0.01
76) Chrysene-d12	14.127	240	344741	20.000	ng	-0.02
86) Perylene-d12	15.651	264	313352	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	938752	94.602	ng	0.00
7) Phenol-d6	6.575	99	1217456	93.783	ng	-0.01
23) Nitrobenzene-d5	7.516	82	864343	65.593	ng	-0.01
42) 2,4,6-Tribromophenol	10.786	330	340866	100.265	ng	-0.01
45) 2-Fluorobiphenyl	9.310	172	1487656	65.876	ng	-0.01
79) Terphenyl-d14	13.075	244	1304996	62.483	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.504	77	209	Below Cal	#	70
19) n-Nitroso-di-n-propyla...	7.516	70	118059	14.061	ng	# 72
25) Isophorone	7.516	82	859173	37.366	ng	# 70
51) 2,6-Dinitrotoluene	9.992	165	41252	9.451	ng	# 17
57) 2,4-Dinitrotoluene	9.992	165	41252	7.623	ng	# 14
67) 4-Bromophenyl-phenylether	10.786	248	22002	3.423	ng	# 1
75) Fluoranthene	12.698	202	105830	3.456	ng	98
77) Benzidine	13.075	184	18690	2.077	ng	# 92
78) Pyrene	12.927	202	88207	3.030	ng	99
88) Benzo(b)fluoranthene	15.198	252	74733	3.707	ng	# 96
89) Benzo(k)fluoranthene	15.198	252	74733	3.738	ng	# 94
90) Benzo(a)pyrene	15.580	252	35693	2.178	ng	# 95

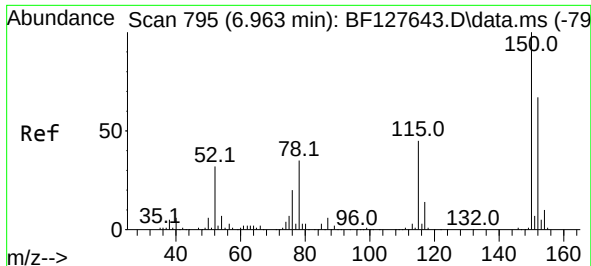
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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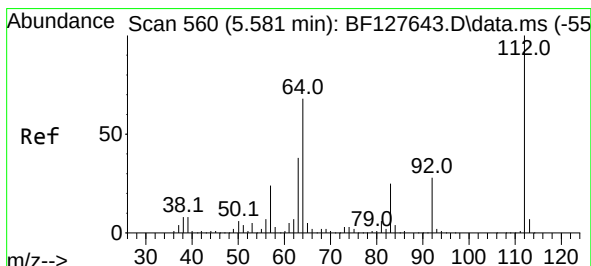
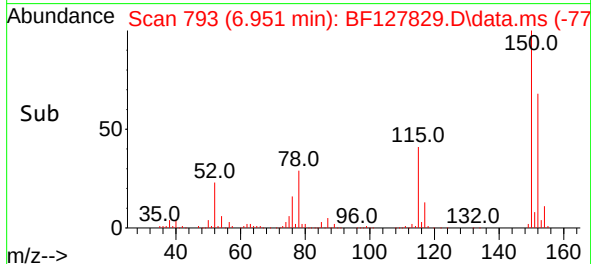
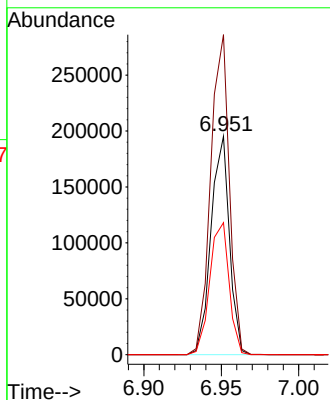
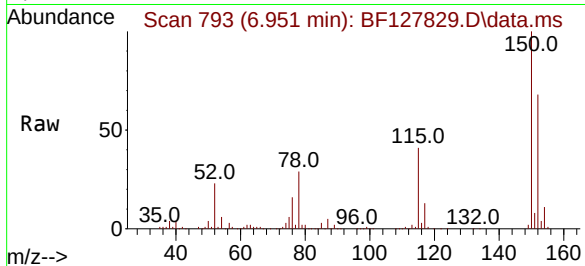




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.951 min Scan# 795
Delta R.T. -0.012 min
Lab File: BF127829.D
Acq: 18 Apr 2022 17:04

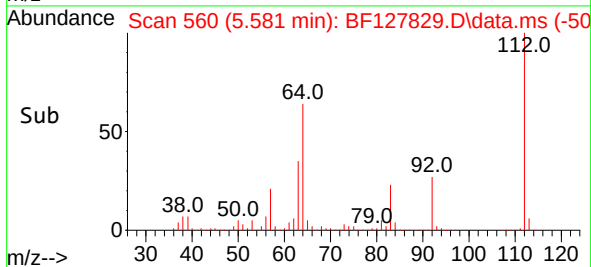
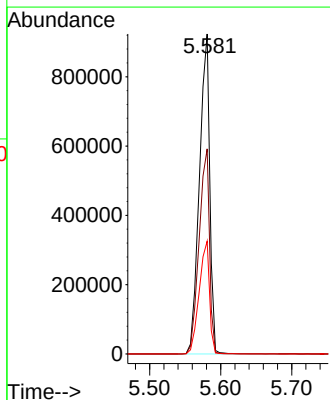
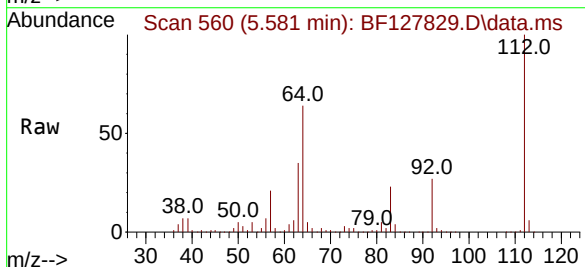
Instrument :
BNA_F
ClientSampleId :
124035

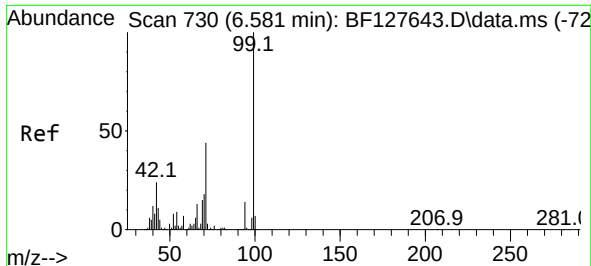
Tgt Ion:152 Resp: 161242
Ion Ratio Lower Upper
152 100
150 146.5 117.2 175.8
115 60.4 49.8 74.6



#5
2-Fluorophenol
Concen: 94.602 ng
RT: 5.581 min Scan# 560
Delta R.T. 0.000 min
Lab File: BF127829.D
Acq: 18 Apr 2022 17:04

Tgt Ion:112 Resp: 938752
Ion Ratio Lower Upper
112 100
64 64.1 58.4 87.6
63 35.3 30.1 45.1





#7

Phenol-d6

Concen: 93.783 ng

RT: 6.575 min Scan# 717

Delta R.T. -0.012 min

Lab File: BF127829.D

Acq: 18 Apr 2022 17:04

Instrument :

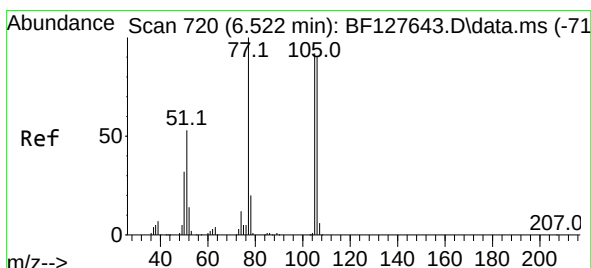
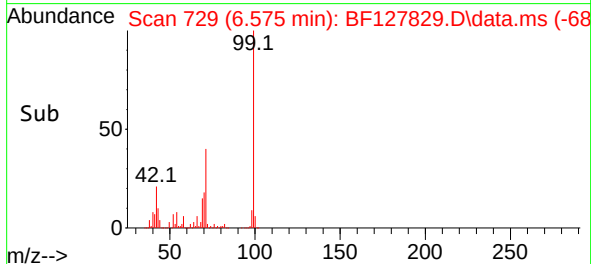
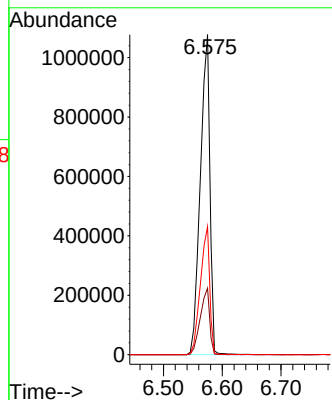
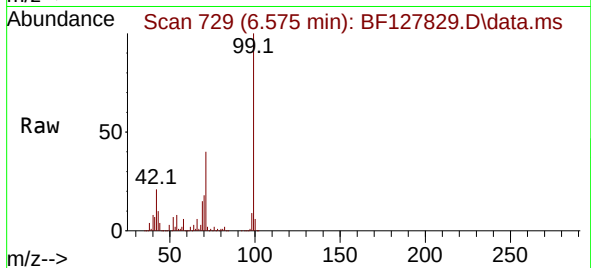
BNA_F

ClientSampleId :

124035

Tgt Ion: 99 Resp: 1217456

Ion	Ratio	Lower	Upper
99	100		
42	20.8	17.8	26.6
71	40.0	29.6	44.4



#9

Benzaldehyde

Concen: Below Cal

RT: 6.504 min Scan# 717

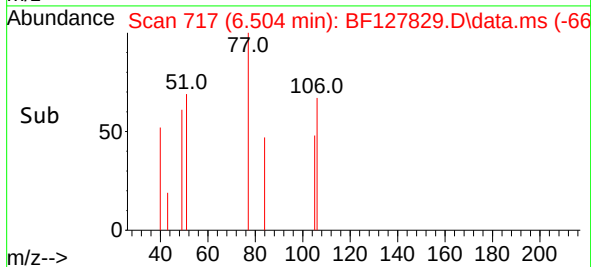
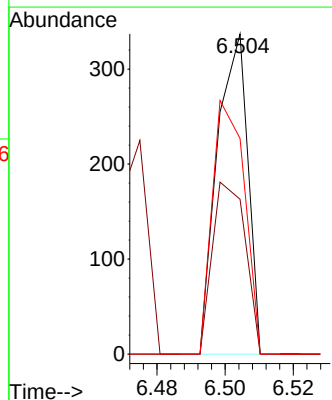
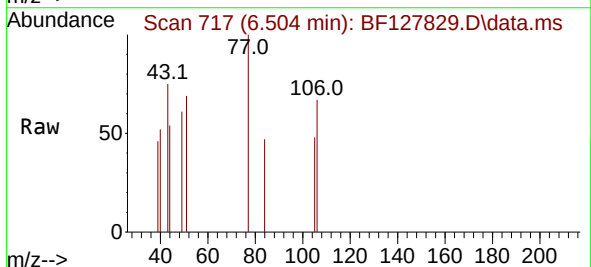
Delta R.T. -0.012 min

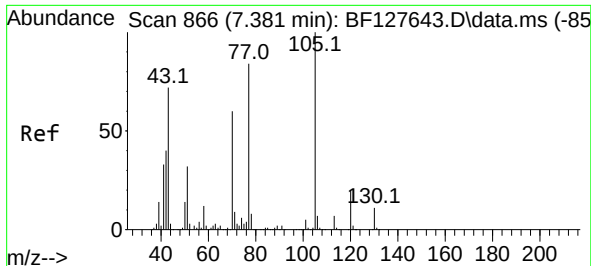
Lab File: BF127829.D

Acq: 18 Apr 2022 17:04

Tgt Ion: 77 Resp: 209

Ion	Ratio	Lower	Upper
77	100		
105	48.4	66.8	106.8#
106	67.4	64.3	104.3





#19

n-Nitroso-di-n-propylamine

Concen: 14.061 ng

RT: 7.516 min Scan# 81

Delta R.T. 0.141 min

Lab File: BF127829.D

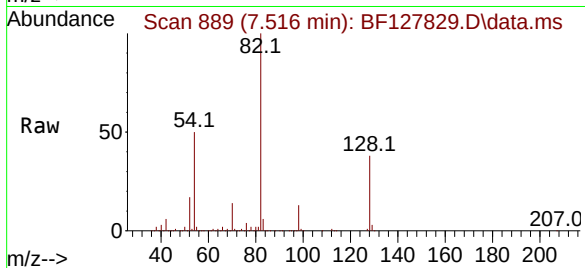
Acq: 18 Apr 2022 17:04

Instrument :

BNA_F

ClientSampleId :

124035



Tgt Ion: 70 Resp: 118059

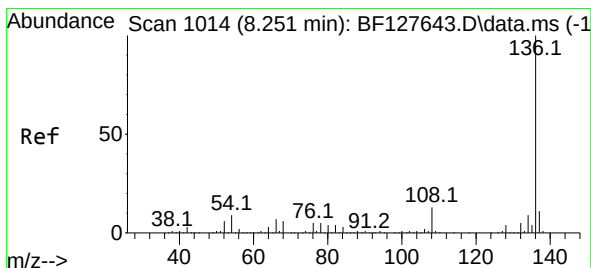
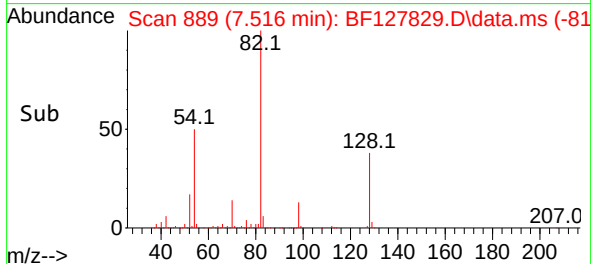
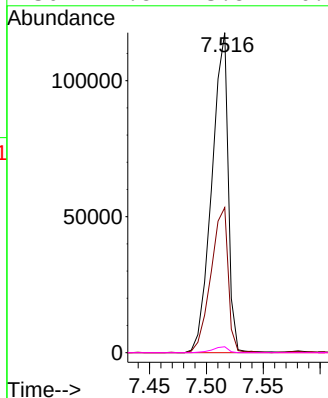
Ion Ratio Lower Upper

70 100

42 45.4 53.0 79.6#

101 0.0 6.8 10.2#

130 1.8 13.8 20.6#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.234 min Scan# 1011

Delta R.T. -0.012 min

Lab File: BF127829.D

Acq: 18 Apr 2022 17:04

Tgt Ion: 136 Resp: 587461

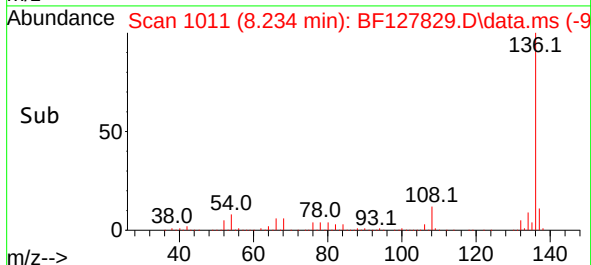
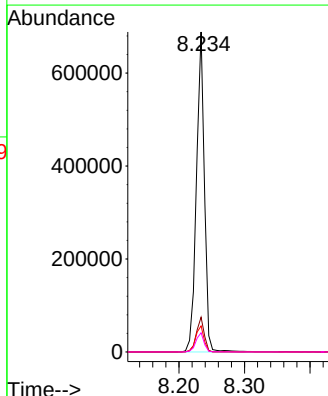
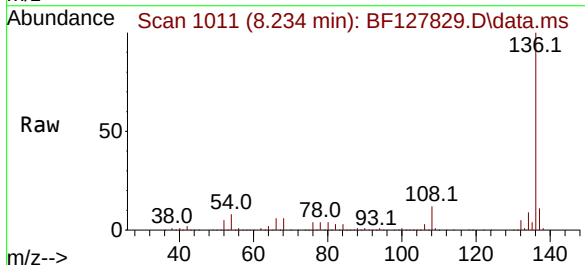
Ion Ratio Lower Upper

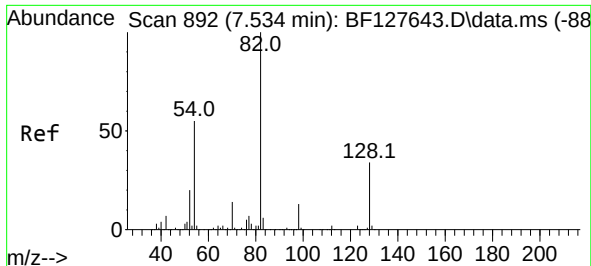
136 100

137 10.9 8.6 13.0

54 8.2 9.2 13.8#

68 6.0 5.4 8.0





#23

Nitrobenzene-d5

Concen: 65.593 ng

RT: 7.516 min Scan# 889

Delta R.T. -0.012 min

Lab File: BF127829.D

Acq: 18 Apr 2022 17:04

Instrument :

BNA_F

ClientSampleId :

124035

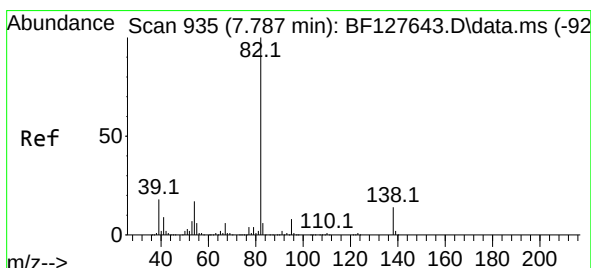
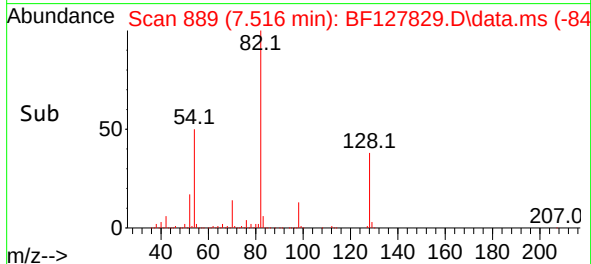
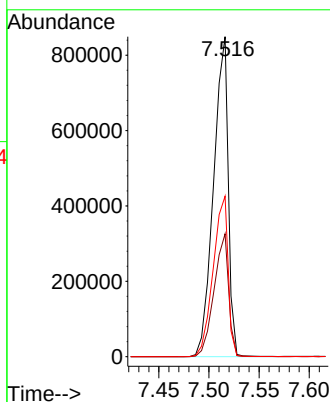
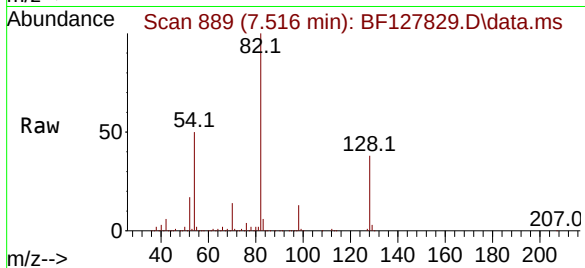
Tgt Ion: 82 Resp: 864343

Ion Ratio Lower Upper

82 100

128 38.4 30.6 45.8

54 50.2 48.2 72.2



#25

Isophorone

Concen: 37.366 ng

RT: 7.516 min Scan# 889

Delta R.T. -0.271 min

Lab File: BF127829.D

Acq: 18 Apr 2022 17:04

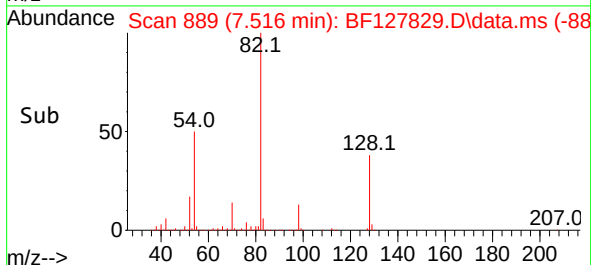
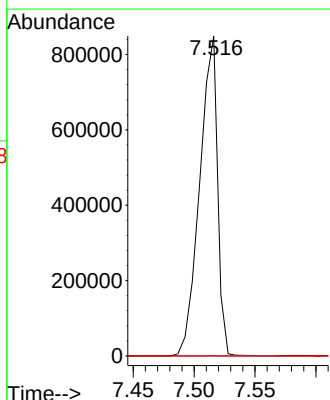
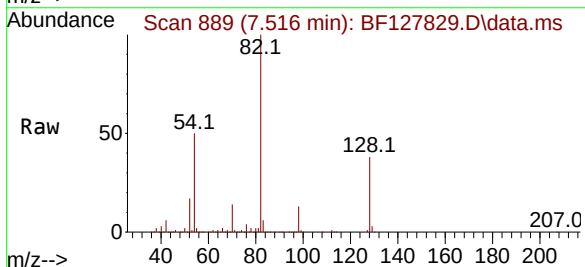
Tgt Ion: 82 Resp: 859173

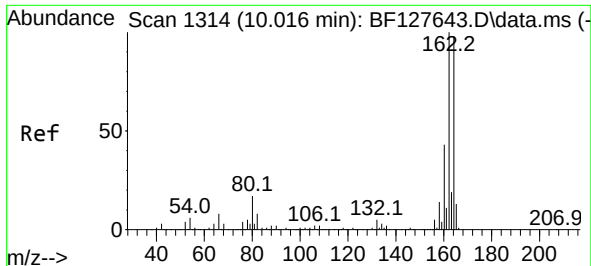
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

138 0.0 11.6 17.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.992 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF127829.D

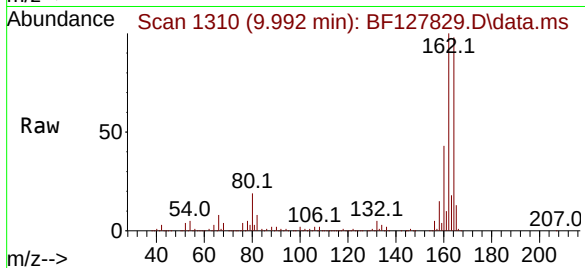
Acq: 18 Apr 2022 17:04

Instrument :

BNA_F

ClientSampleId :

124035



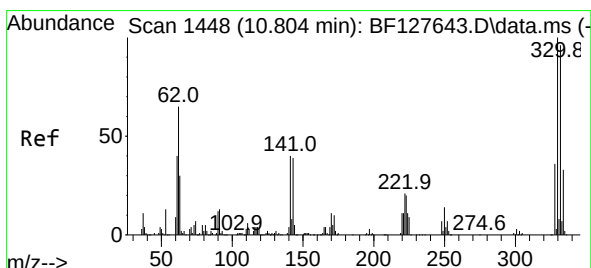
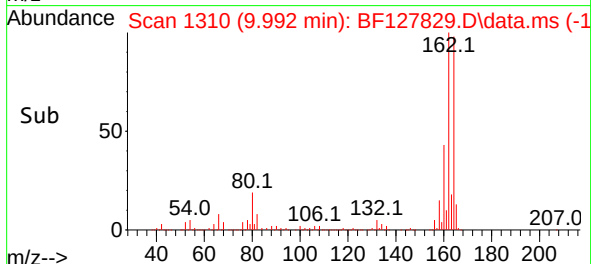
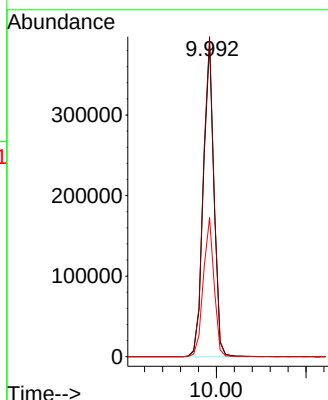
Tgt Ion:164 Resp: 319470

Ion Ratio Lower Upper

164 100

162 102.0 81.2 121.8

160 44.3 34.6 52.0



#42

2,4,6-Tribromophenol

Concen: 100.265 ng

RT: 10.786 min Scan# 1445

Delta R.T. -0.012 min

Lab File: BF127829.D

Acq: 18 Apr 2022 17:04

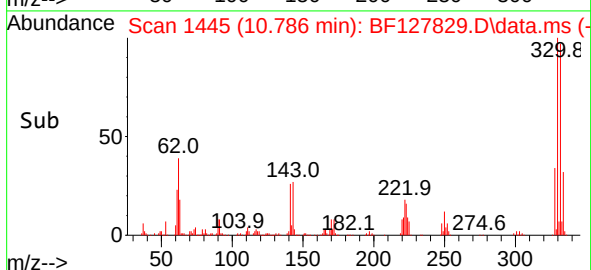
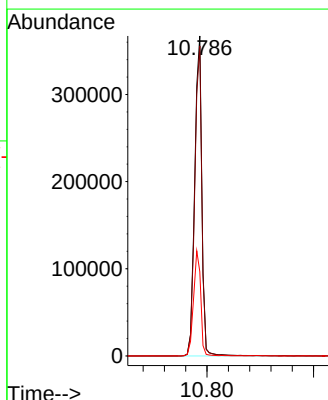
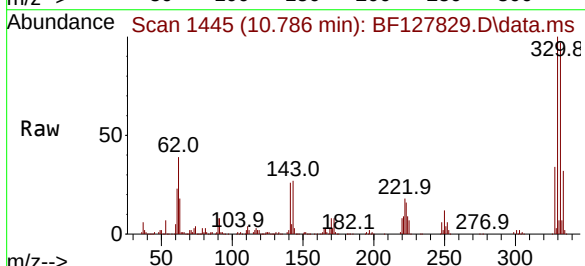
Tgt Ion:330 Resp: 340866

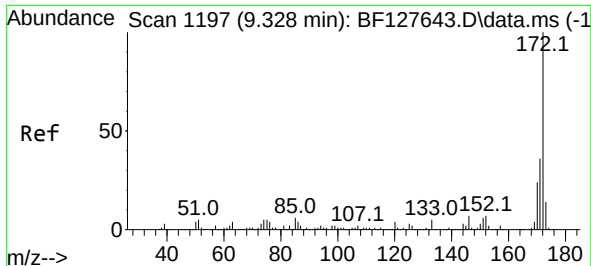
Ion Ratio Lower Upper

330 100

332 96.0 79.1 118.7

141 33.2 26.2 39.4





#45

2-Fluorobiphenyl

Concen: 65.876 ng

RT: 9.310 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF127829.D

Acq: 18 Apr 2022 17:04

Instrument :

BNA_F

ClientSampleId :

124035

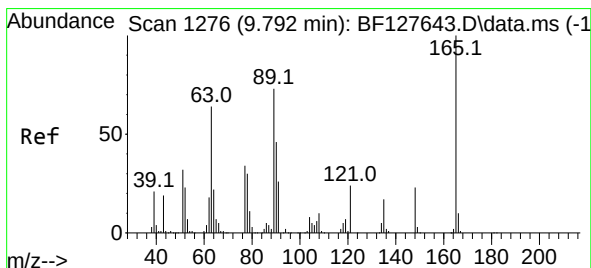
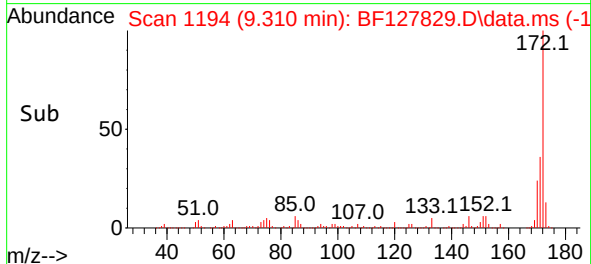
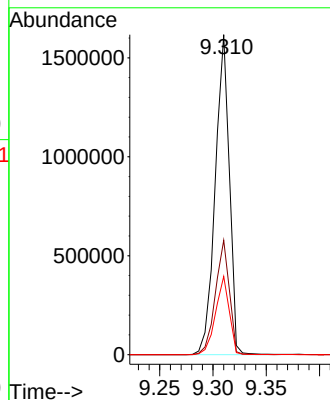
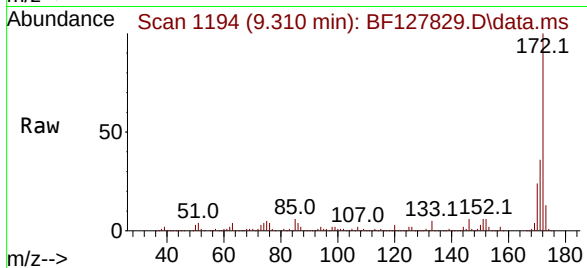
Tgt Ion:172 Resp: 1487656

Ion Ratio Lower Upper

172 100

171 35.8 28.4 42.6

170 24.4 18.6 27.8



#51

2,6-Dinitrotoluene

Concen: 9.451 ng

RT: 9.992 min Scan# 1310

Delta R.T. 0.206 min

Lab File: BF127829.D

Acq: 18 Apr 2022 17:04

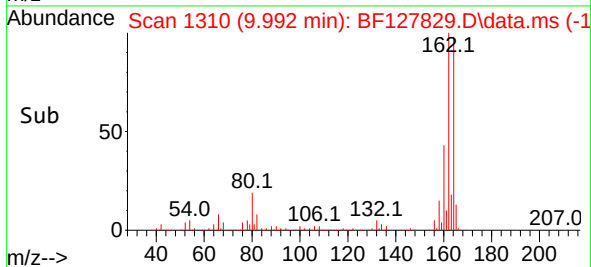
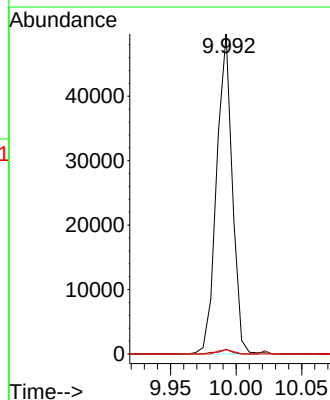
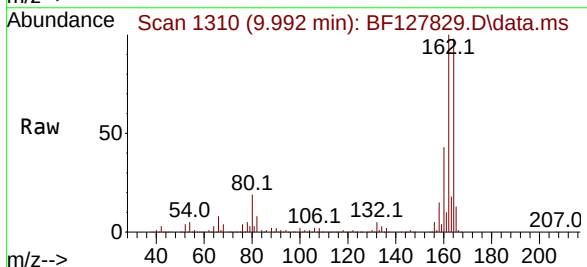
Tgt Ion:165 Resp: 41252

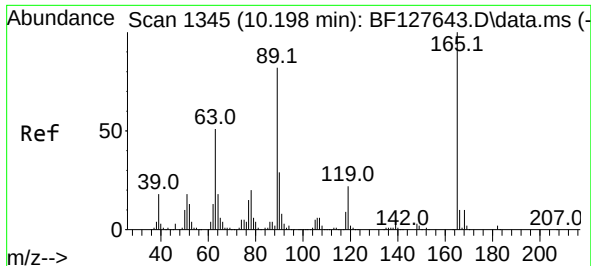
Ion Ratio Lower Upper

165 100

63 1.5 58.3 87.5#

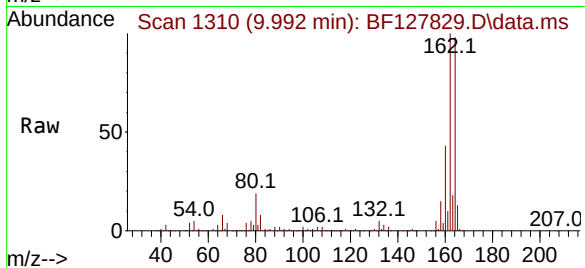
89 1.3 51.5 77.3#



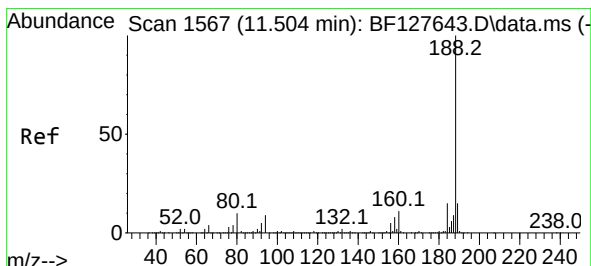
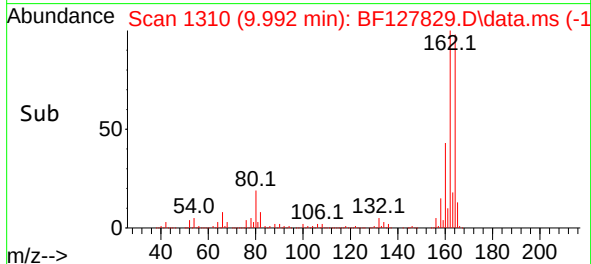
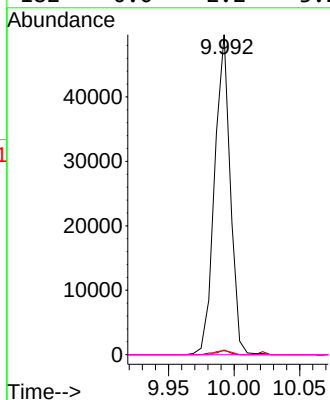


#57
2,4-Dinitrotoluene
Concen: 7.623 ng
RT: 9.992 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF127829.D
Acq: 18 Apr 2022 17:04

Instrument :
BNA_F
ClientSampleId :
124035

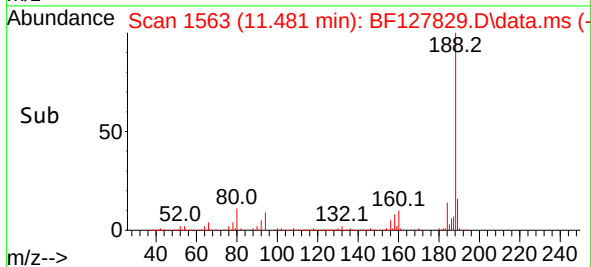
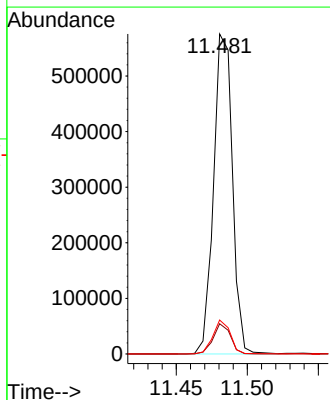
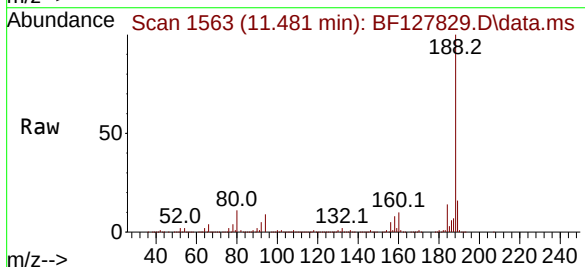


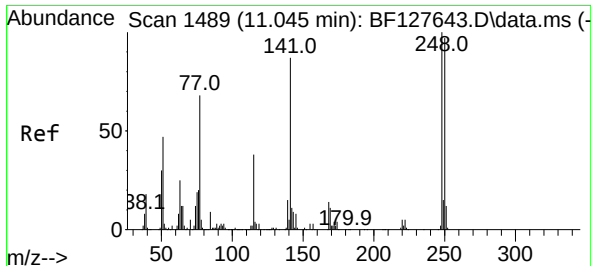
Tgt Ion:165 Resp: 41252
Ion Ratio Lower Upper
165 100
63 1.5 53.1 79.7#
89 1.3 69.2 103.8#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.481 min Scan# 1563
Delta R.T. -0.012 min
Lab File: BF127829.D
Acq: 18 Apr 2022 17:04

Tgt Ion:188 Resp: 529637
Ion Ratio Lower Upper
188 100
94 9.5 7.4 11.0
80 10.6 8.0 12.0

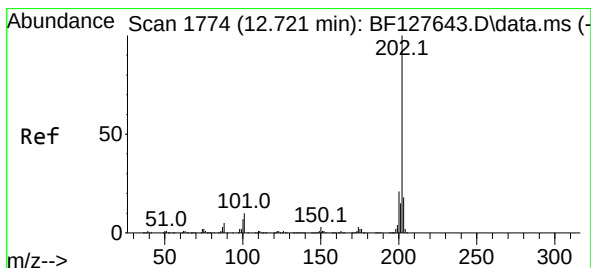
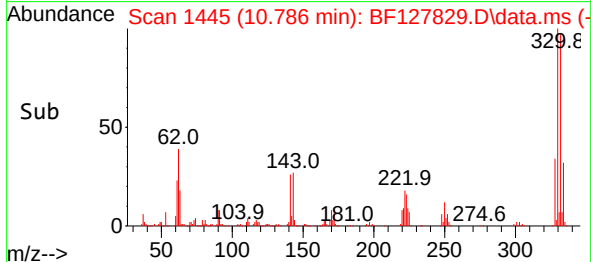
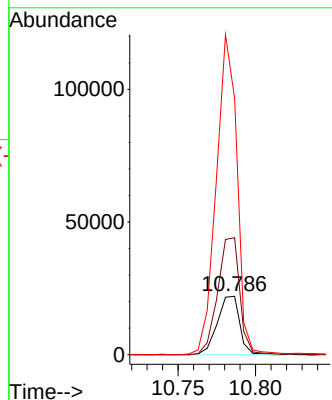
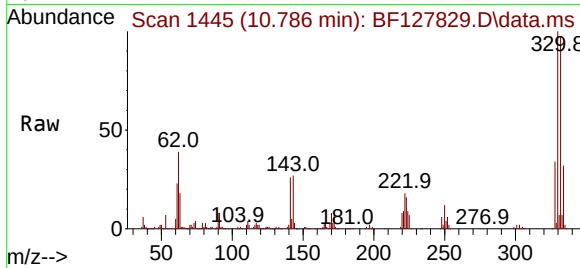




#67
4-Bromophenyl-phenylether
Concen: 3.423 ng
RT: 10.786 min Scan# 1489
Delta R.T. -0.253 min
Lab File: BF127829.D
Acq: 18 Apr 2022 17:04

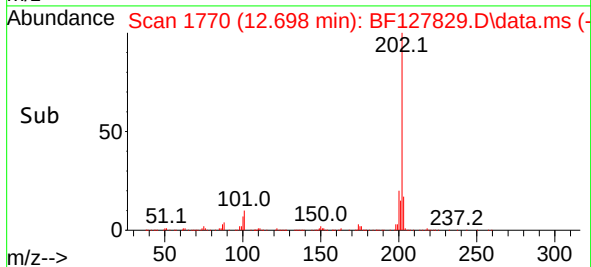
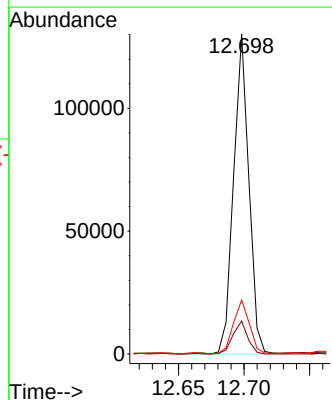
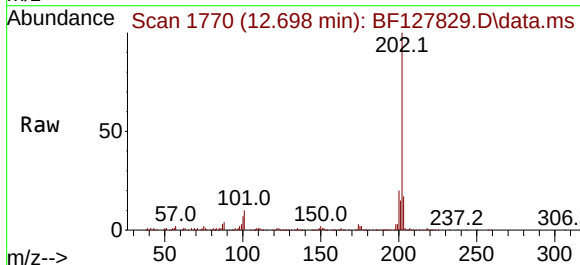
Instrument :
BNA_F
ClientSampleId :
124035

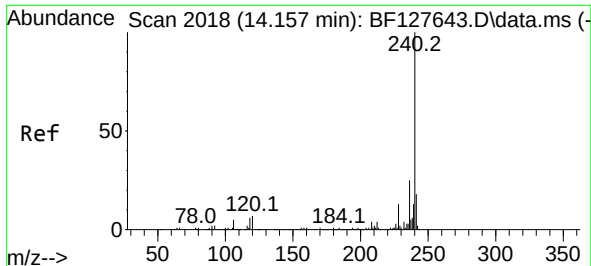
Tgt Ion:248 Resp: 22002
Ion Ratio Lower Upper
248 100
250 200.2 76.6 115.0#
141 438.8 52.2 78.2#



#75
Fluoranthene
Concen: 3.456 ng
RT: 12.698 min Scan# 1770
Delta R.T. -0.012 min
Lab File: BF127829.D
Acq: 18 Apr 2022 17:04

Tgt Ion:202 Resp: 105830
Ion Ratio Lower Upper
202 100
101 10.3 0.0 29.0
203 16.8 0.0 37.7

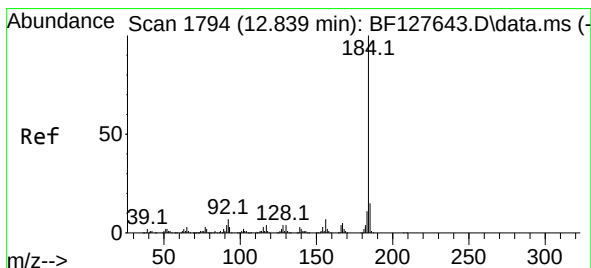
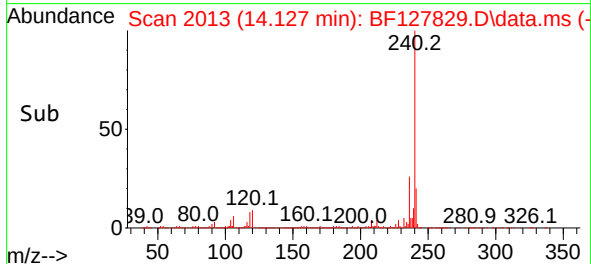
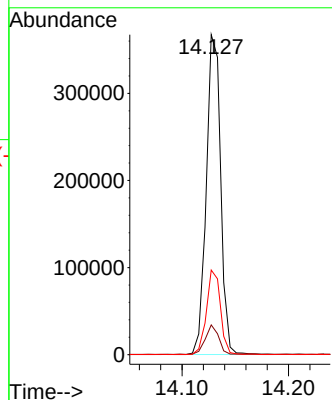
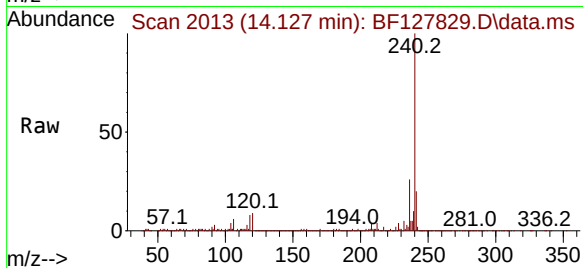




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 20
Delta R.T. -0.018 min
Lab File: BF127829.D
Acq: 18 Apr 2022 17:04

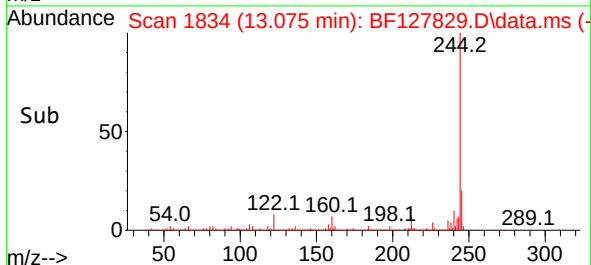
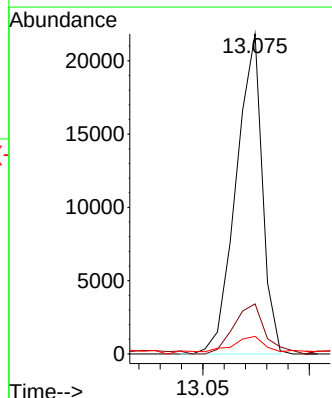
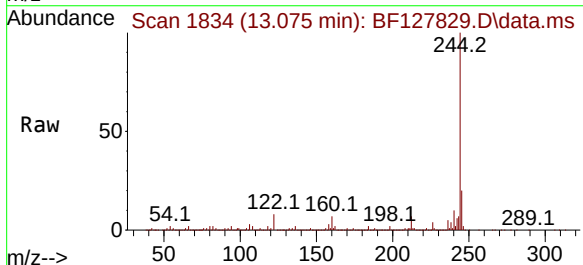
Instrument :
BNA_F
ClientSampleId :
124035

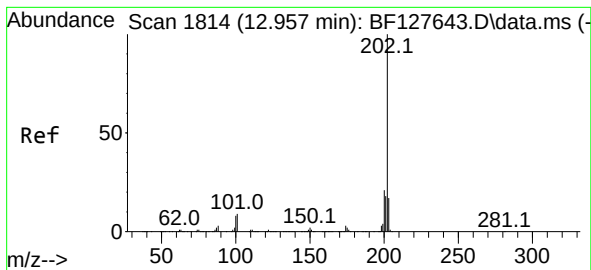
Tgt Ion:240 Resp: 344741
Ion Ratio Lower Upper
240 100
120 9.3 7.1 10.7
236 26.5 20.7 31.1



#77
Benzidine
Concen: 2.077 ng
RT: 13.075 min Scan# 1834
Delta R.T. 0.247 min
Lab File: BF127829.D
Acq: 18 Apr 2022 17:04

Tgt Ion:184 Resp: 18690
Ion Ratio Lower Upper
184 100
185 15.7 12.2 18.2
183 5.5 9.4 14.0#





#78

Pyrene

Concen: 3.030 ng

RT: 12.927 min Scan# 1809

Delta R.T. -0.018 min

Lab File: BF127829.D

Acq: 18 Apr 2022 17:04

Instrument :

BNA_F

ClientSampleId :

124035

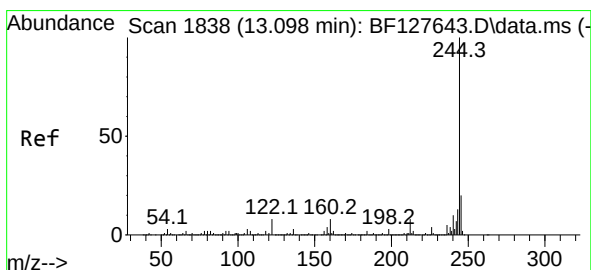
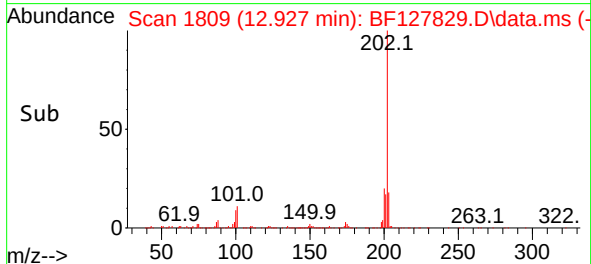
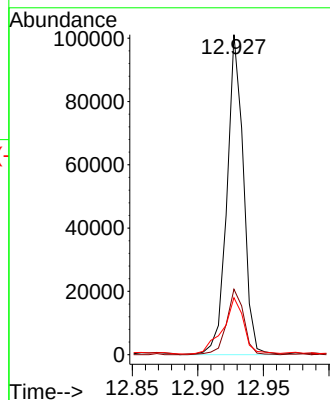
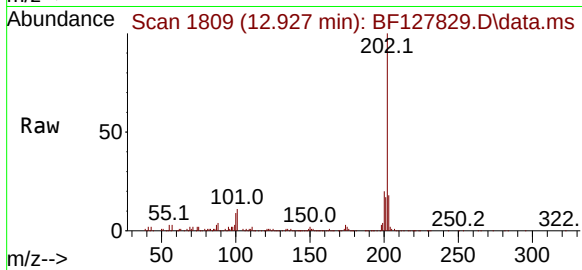
Tgt Ion:202 Resp: 88207

Ion Ratio Lower Upper

202 100

200 20.5 17.1 25.7

203 17.8 14.3 21.5



#79

Terphenyl-d14

Concen: 62.483 ng

RT: 13.075 min Scan# 1834

Delta R.T. -0.006 min

Lab File: BF127829.D

Acq: 18 Apr 2022 17:04

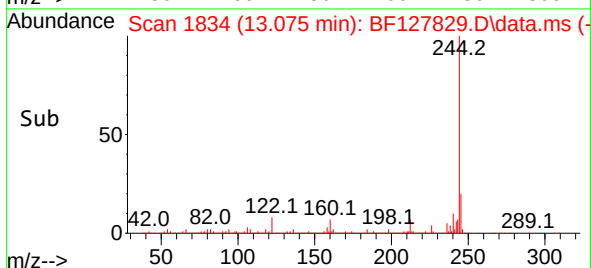
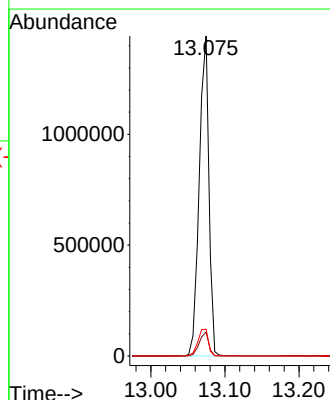
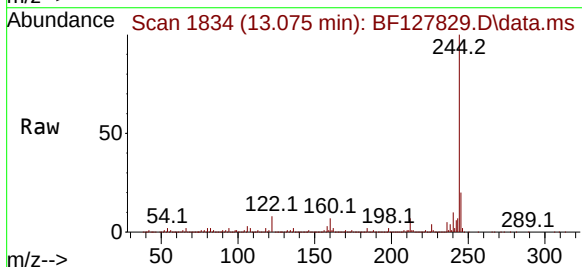
Tgt Ion:244 Resp: 1304996

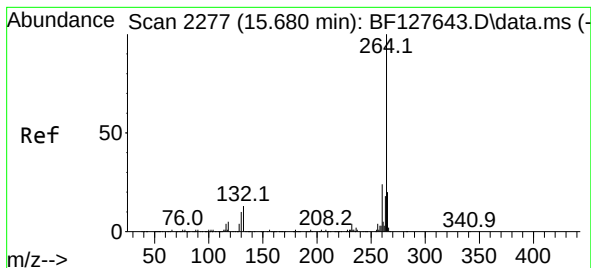
Ion Ratio Lower Upper

244 100

212 7.5 5.7 8.5

122 8.4 6.2 9.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.651 min Scan# 2195

Delta R.T. -0.012 min

Lab File: BF127829.D

Acq: 18 Apr 2022 17:04

Instrument :

BNA_F

ClientSampleId :

124035

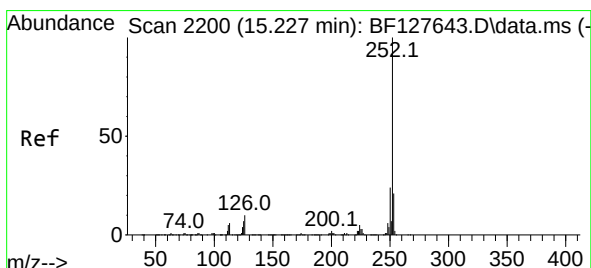
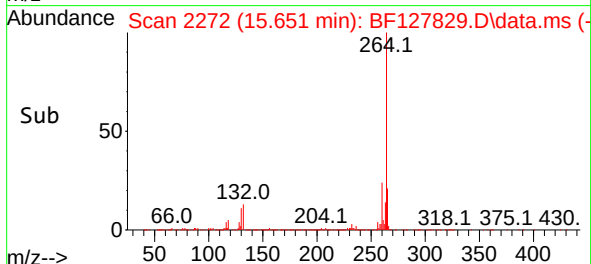
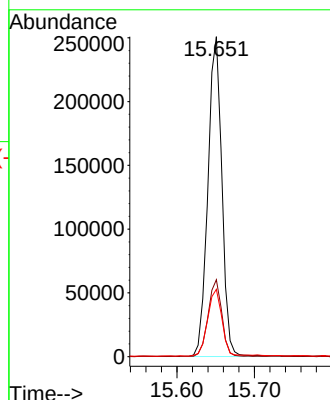
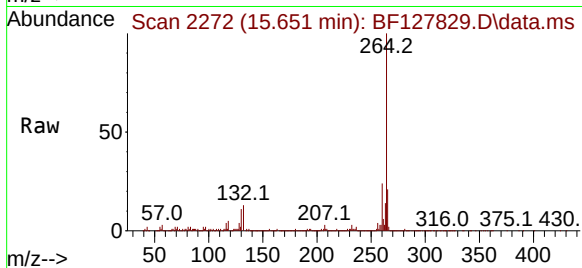
Tgt Ion:264 Resp: 313352

Ion Ratio Lower Upper

264 100

260 24.1 19.1 28.7

265 21.1 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 3.707 ng

RT: 15.198 min Scan# 2195

Delta R.T. -0.012 min

Lab File: BF127829.D

Acq: 18 Apr 2022 17:04

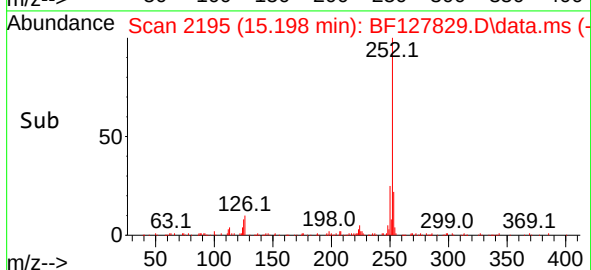
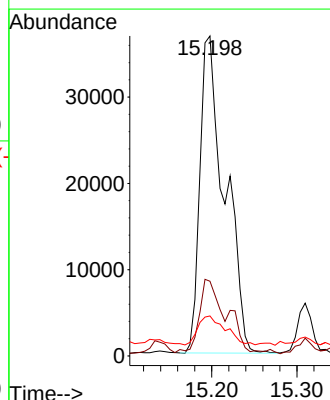
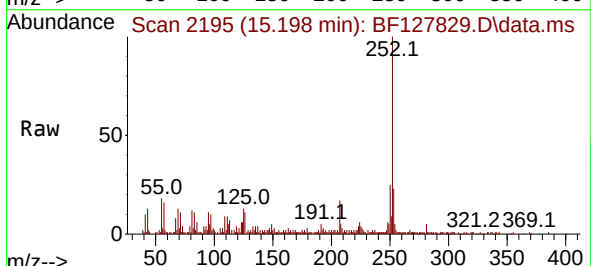
Tgt Ion:252 Resp: 74733

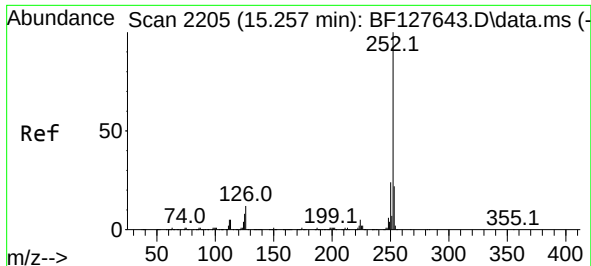
Ion Ratio Lower Upper

252 100

253 23.3 17.9 26.9

125 12.5 7.0 10.4#





#89

Benzo(k)fluoranthene

Concen: 3.738 ng

RT: 15.198 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF127829.D

Acq: 18 Apr 2022 17:04

Instrument :

BNA_F

ClientSampleId :

124035

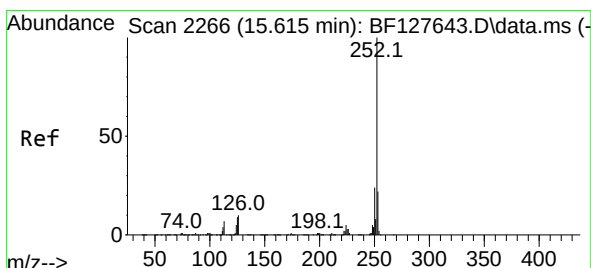
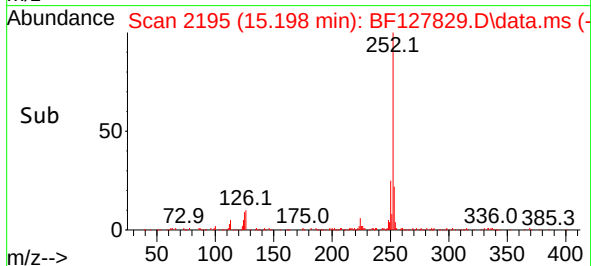
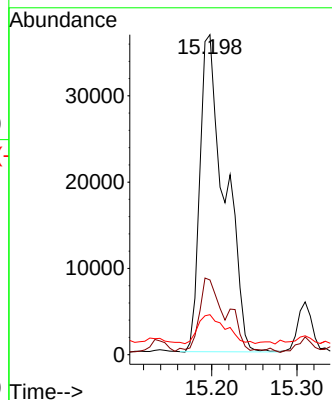
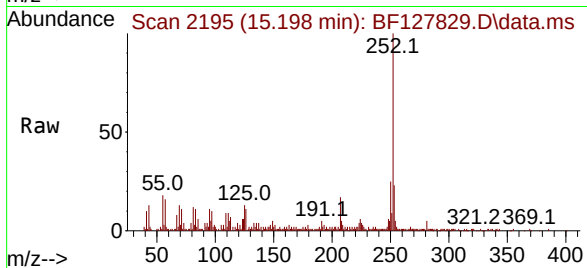
Tgt Ion:252 Resp: 74733

Ion Ratio Lower Upper

252 100

253 23.3 17.3 25.9

125 12.5 6.9 10.3#



#90

Benzo(a)pyrene

Concen: 2.178 ng

RT: 15.580 min Scan# 2260

Delta R.T. -0.018 min

Lab File: BF127829.D

Acq: 18 Apr 2022 17:04

Tgt Ion:252 Resp: 35693

Ion Ratio Lower Upper

252 100

253 23.4 17.0 25.6

125 11.1 6.7 10.1#

