

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041822\
 Data File : BF127830.D
 Acq On : 18 Apr 2022 17:32
 Operator : CG\JU
 Sample : N2445-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 282

Quant Time: Apr 19 05:15:53 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

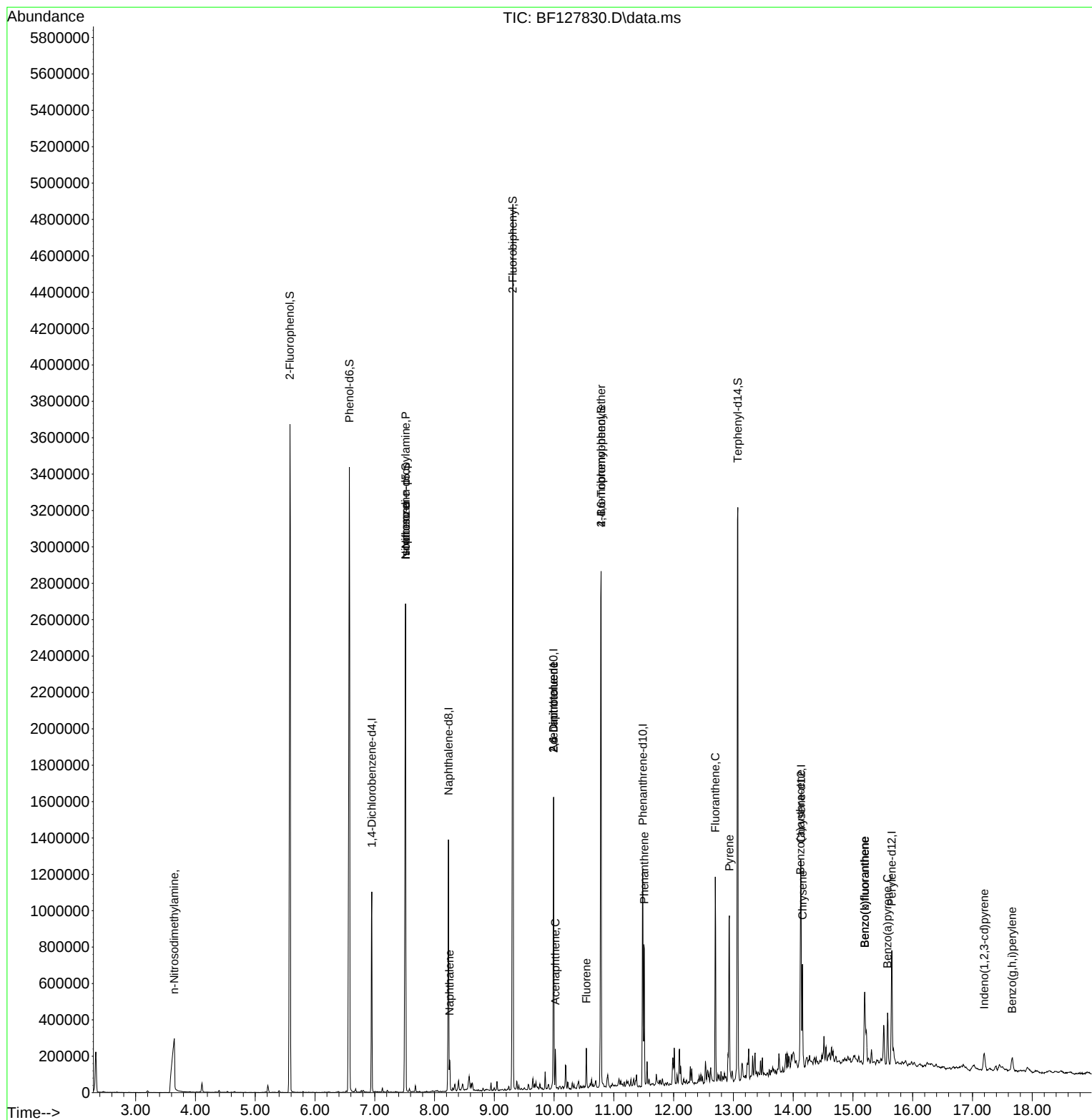
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.951	152	156893	20.000	ng	-0.01
21) Naphthalene-d8	8.234	136	566730	20.000	ng	#-0.01
39) Acenaphthene-d10	9.992	164	300771	20.000	ng	-0.01
64) Phenanthrene-d10	11.486	188	469526	20.000	ng	0.00
76) Chrysene-d12	14.133	240	331728	20.000	ng	#-0.01
86) Perylene-d12	15.651	264	308675	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	1075193	111.355	ng	0.00
7) Phenol-d6	6.575	99	1356851	107.418	ng	-0.01
23) Nitrobenzene-d5	7.516	82	972856	76.529	ng	-0.01
42) 2,4,6-Tribromophenol	10.786	330	354425	110.735	ng	-0.01
45) 2-Fluorobiphenyl	9.310	172	1496975	70.410	ng	-0.01
79) Terphenyl-d14	13.074	244	1190962	59.260	ng	0.00
Target Compounds						
4) n-Nitrosodimethylamine	3.646	42	20994	3.236	ng	# 1
9) Benzaldehyde	6.504	77	183	Below Cal		# 19
19) n-Nitroso-di-n-propyla...	7.516	70	133265	16.312	ng	# 74
25) Isophorone	7.516	82	967420	43.613	ng	# 70
31) Naphthalene	8.251	128	64857	2.184	ng	98
51) 2,6-Dinitrotoluene	9.992	165	40132	9.766	ng	# 17
52) Acenaphthene	10.022	154	39939	2.280	ng	95
57) 2,4-Dinitrotoluene	9.992	165	40132	7.877	ng	# 14
58) Fluorene	10.539	166	51900	2.748	ng	99
67) 4-Bromophenyl-phenylether	10.786	248	23038	4.043	ng	# 1
71) Phenanthrene	11.510	178	290407	11.674	ng	100
75) Fluoranthene	12.698	202	423958	15.617	ng	98
78) Pyrene	12.933	202	397485	14.190	ng	99
81) Benzo(a)anthracene	14.121	228	193805	8.747	ng	94
83) Chrysene	14.157	228	224749	10.568	ng	98
87) Indeno(1,2,3-cd)pyrene	17.198	276	71990	3.733	ng	98
88) Benzo(b)fluoranthene	15.198	252	316122	15.920	ng	99
89) Benzo(k)fluoranthene	15.198	252	316122	16.051	ng	100
90) Benzo(a)pyrene	15.580	252	145092	8.990	ng	98
92) Benzo(g,h,i)perylene	17.662	276	64375	4.019	ng	99

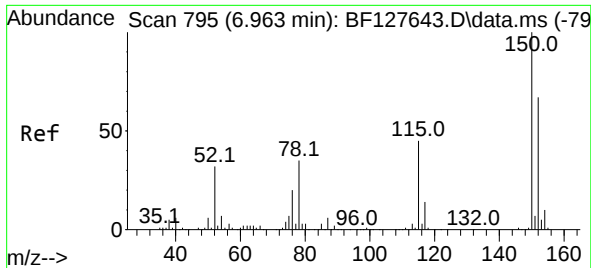
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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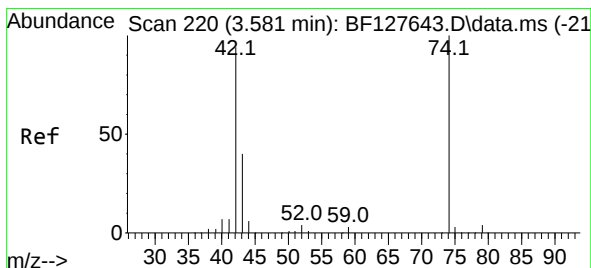
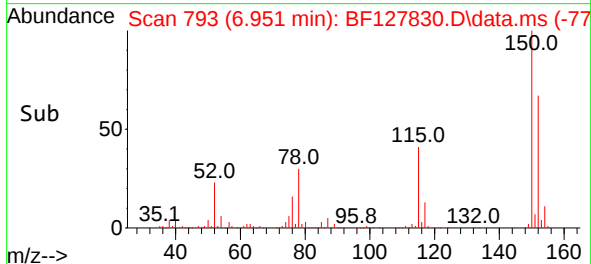
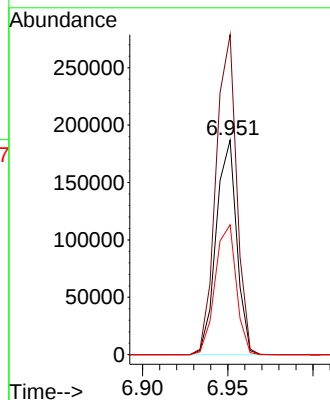
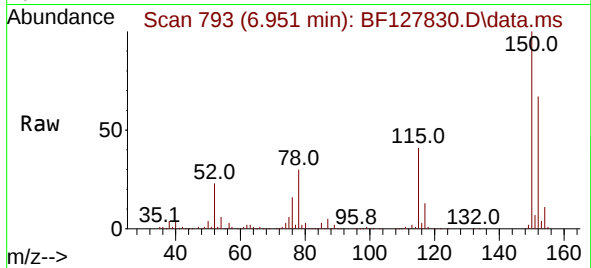




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.951 min Scan# 795
Delta R.T. -0.012 min
Lab File: BF127830.D
Acq: 18 Apr 2022 17:32

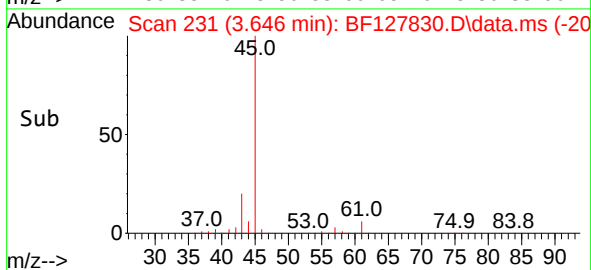
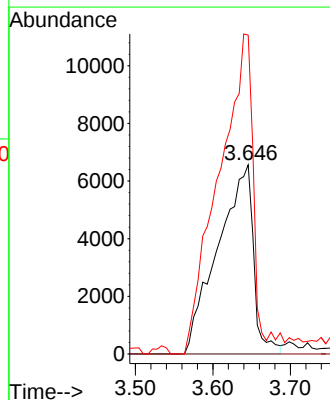
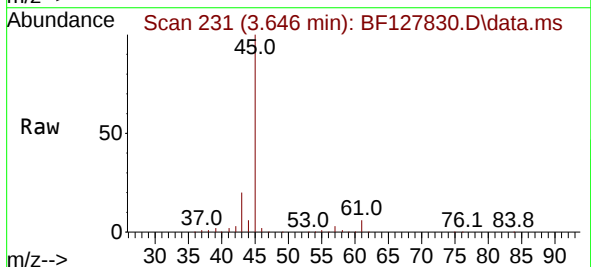
Instrument :
BNA_F
ClientSampleId :
282

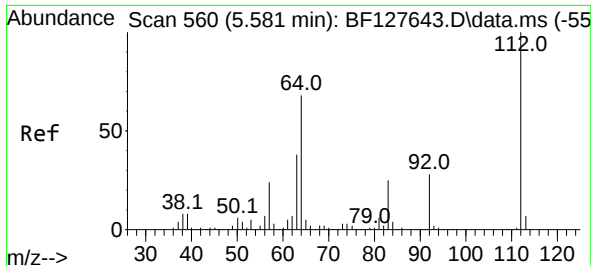
Tgt Ion:152 Resp: 156893
Ion Ratio Lower Upper
152 100
150 149.2 117.2 175.8
115 60.6 49.8 74.6



#4
n-Nitrosodimethylamine
Concen: 3.236 ng
RT: 3.646 min Scan# 231
Delta R.T. 0.065 min
Lab File: BF127830.D
Acq: 18 Apr 2022 17:32

Tgt Ion: 42 Resp: 20994
Ion Ratio Lower Upper
42 100
74 0.0 92.4 138.6#
44 168.7 6.0 9.0#

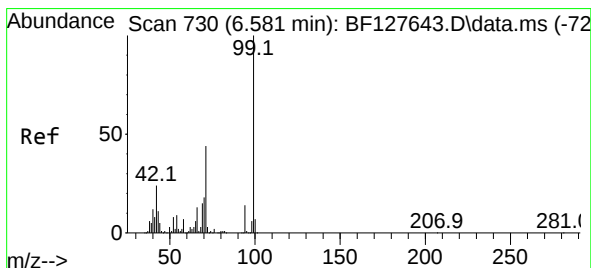
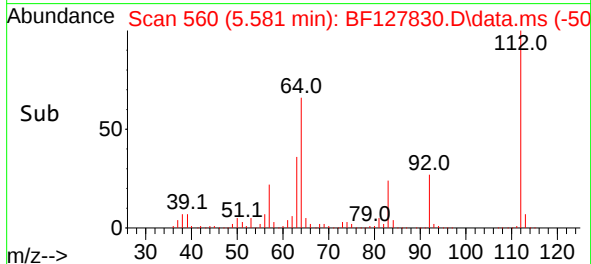
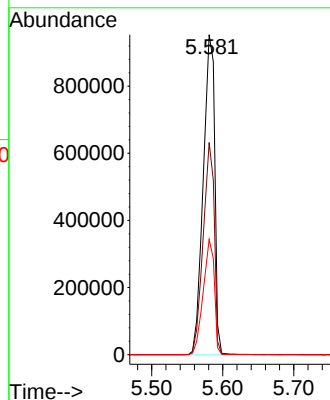
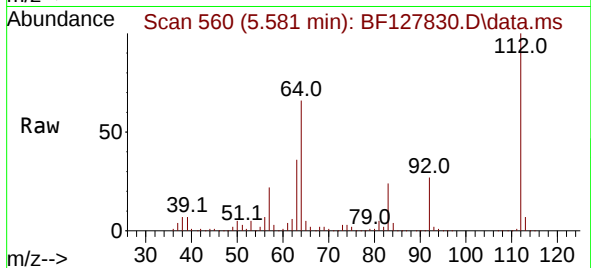




#5
2-Fluorophenol
Concen: 111.355 ng
RT: 5.581 min Scan# 501
Delta R.T. -0.000 min
Lab File: BF127830.D
Acq: 18 Apr 2022 17:32

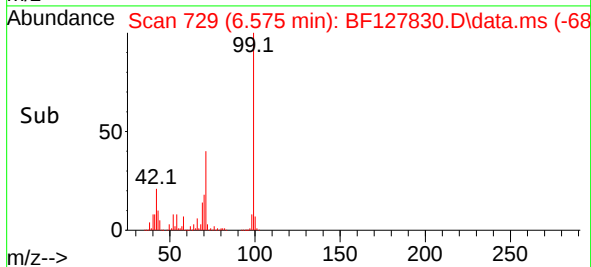
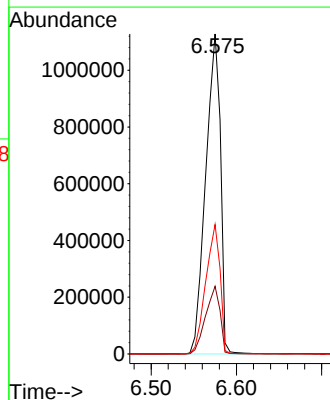
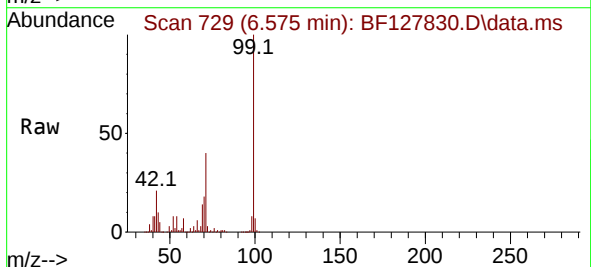
Instrument :
BNA_F
ClientSampleId :
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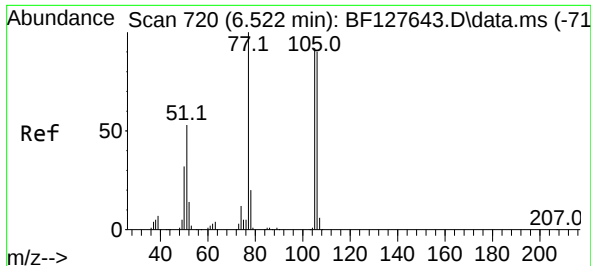
Tgt Ion:112 Resp: 1075193
Ion Ratio Lower Upper
112 100
64 66.3 58.4 87.6
63 36.1 30.1 45.1



#7
Phenol-d6
Concen: 107.418 ng
RT: 6.575 min Scan# 729
Delta R.T. -0.012 min
Lab File: BF127830.D
Acq: 18 Apr 2022 17:32

Tgt Ion: 99 Resp: 1356851
Ion Ratio Lower Upper
99 100
42 21.2 17.8 26.6
71 40.5 29.6 44.4





#9

Benzaldehyde

Concen: Below Cal

RT: 6.504 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF127830.D

Acq: 18 Apr 2022 17:32

Instrument :

BNA_F

ClientSampleId :

282

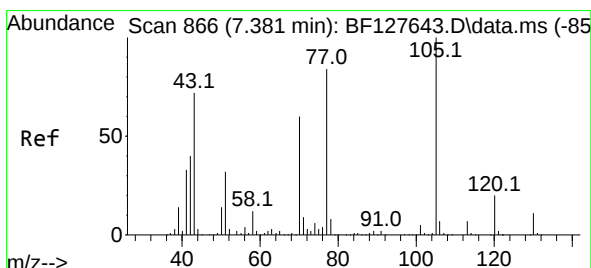
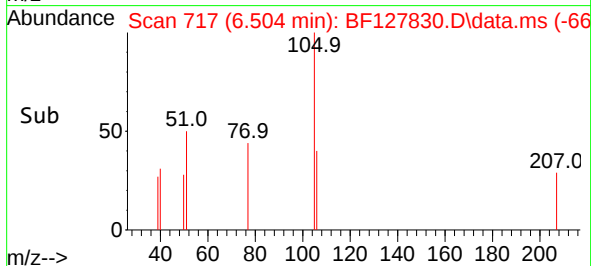
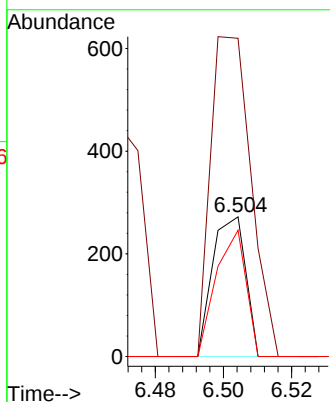
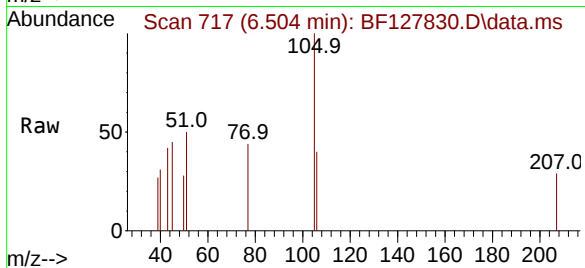
Tgt Ion: 77 Resp: 183

Ion Ratio Lower Upper

77 100

105 227.9 66.8 106.8#

106 90.4 64.3 104.3



#19

n-Nitroso-di-n-propylamine

Concen: 16.312 ng

RT: 7.516 min Scan# 889

Delta R.T. 0.141 min

Lab File: BF127830.D

Acq: 18 Apr 2022 17:32

Tgt Ion: 70 Resp: 133265

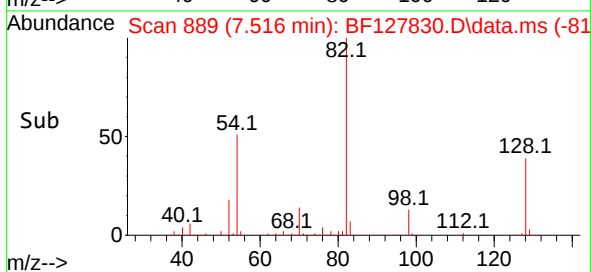
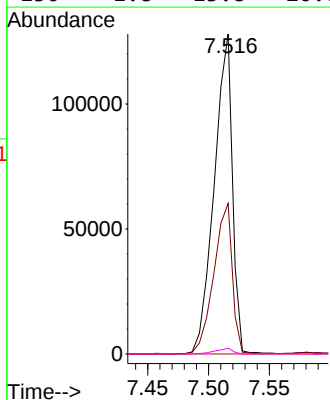
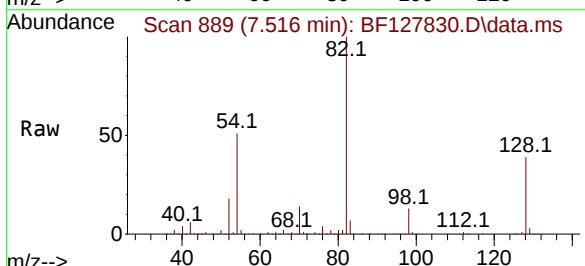
Ion Ratio Lower Upper

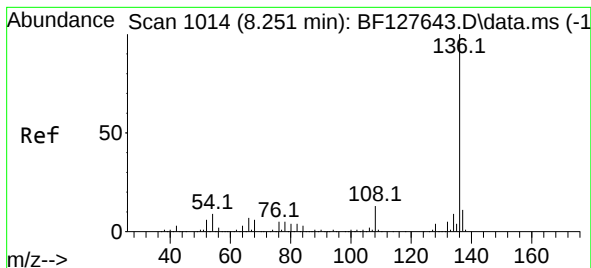
70 100

42 47.1 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: BF127830.D

Acq: 18 Apr 2022 17:32

Instrument :

BNA_F

ClientSampleId :

282

Tgt Ion:136 Resp: 566730

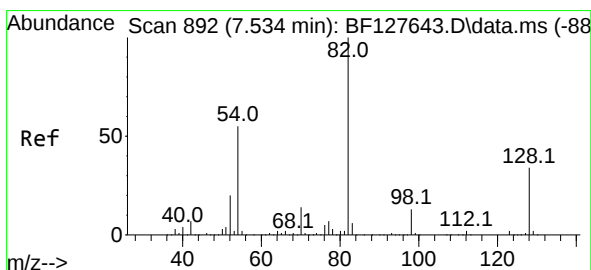
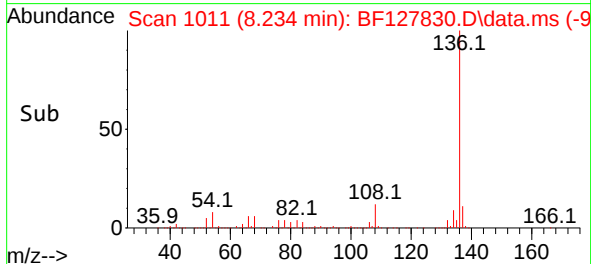
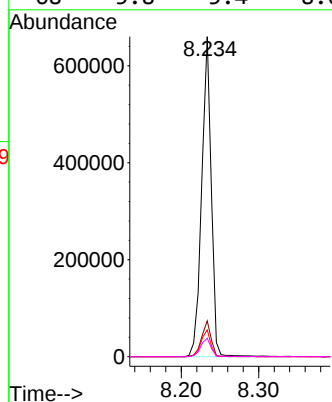
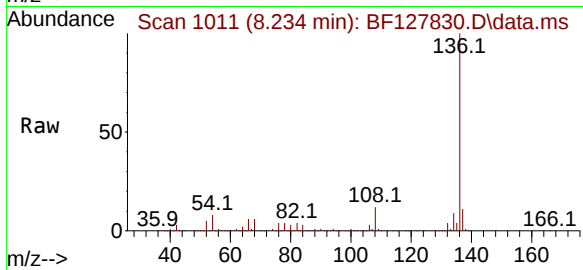
Ion Ratio Lower Upper

136 100

137 11.2 8.6 13.0

54 8.3 9.2 13.8#

68 5.8 5.4 8.0



#23

Nitrobenzene-d5

Concen: 76.529 ng

RT: 7.516 min Scan# 889

Delta R.T. -0.012 min

Lab File: BF127830.D

Acq: 18 Apr 2022 17:32

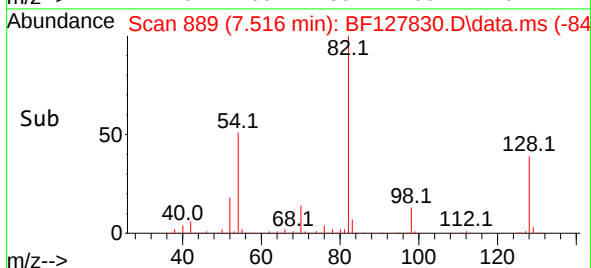
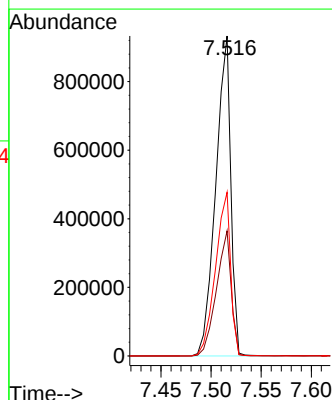
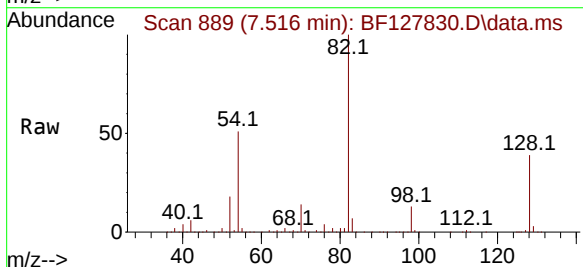
Tgt Ion: 82 Resp: 972856

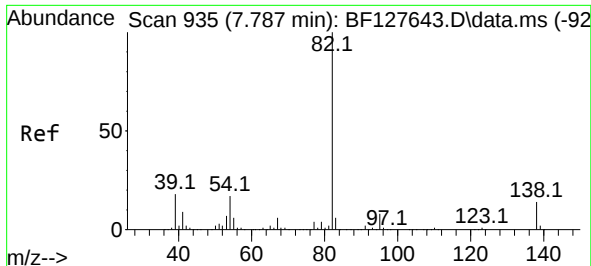
Ion Ratio Lower Upper

82 100

128 39.1 30.6 45.8

54 51.1 48.2 72.2

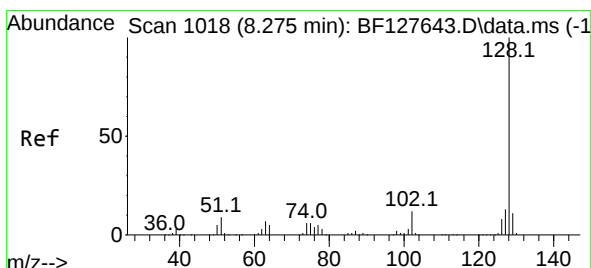
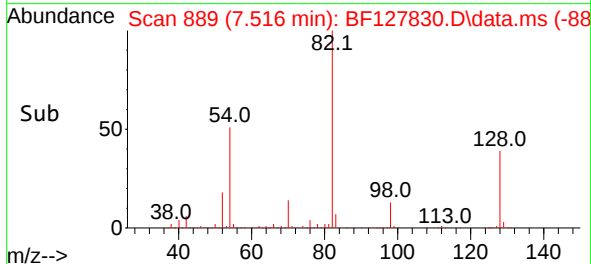
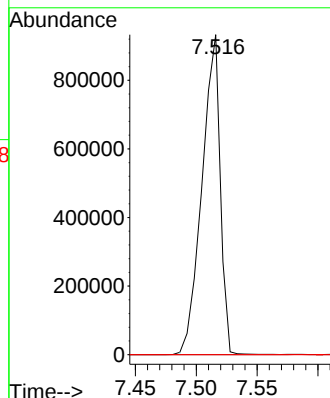
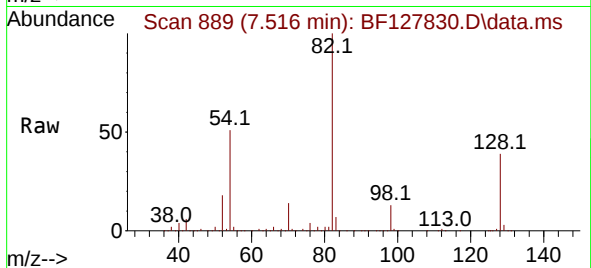




#25
Isophorone
Concen: 43.613 ng
RT: 7.516 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF127830.D
Acq: 18 Apr 2022 17:32

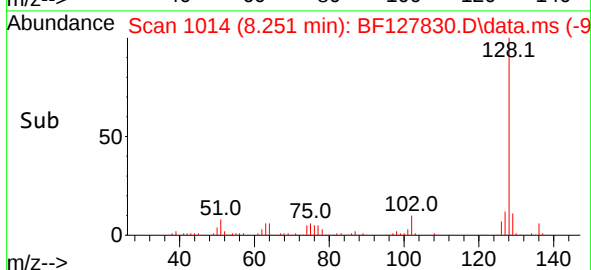
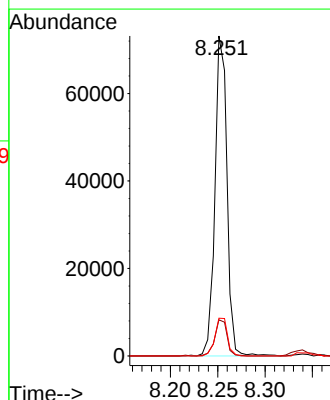
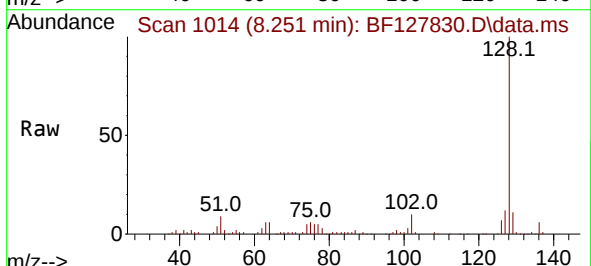
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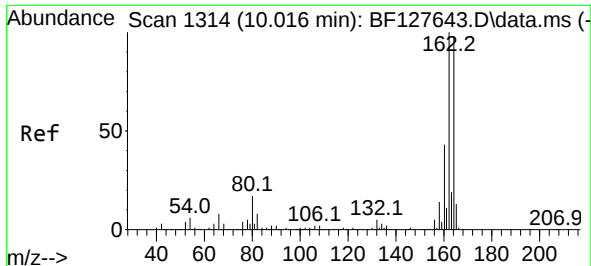
Tgt Ion: 82 Resp: 967420
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 11.6 17.4#



#31
Naphthalene
Concen: 2.184 ng
RT: 8.251 min Scan# 1014
Delta R.T. -0.018 min
Lab File: BF127830.D
Acq: 18 Apr 2022 17:32

Tgt Ion: 128 Resp: 64857
Ion Ratio Lower Upper
128 100
129 11.3 8.4 12.6
127 11.8 10.2 15.2

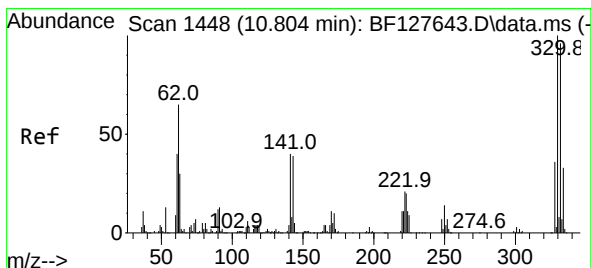
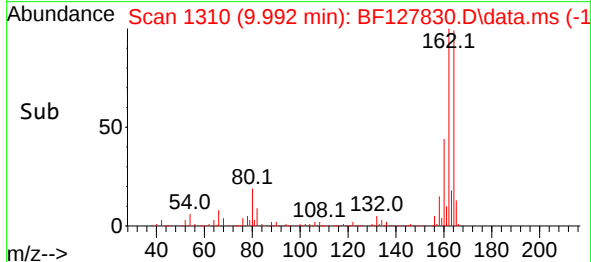
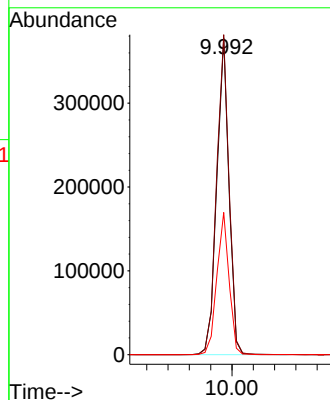
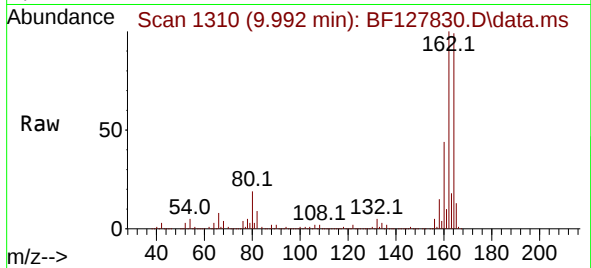




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.992 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF127830.D
Acq: 18 Apr 2022 17:32

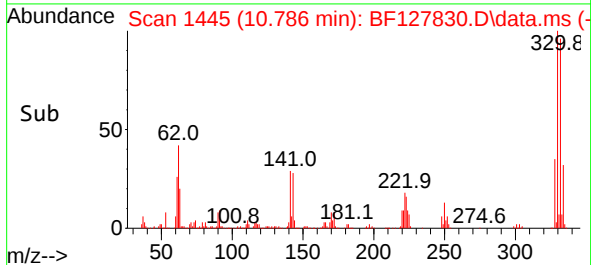
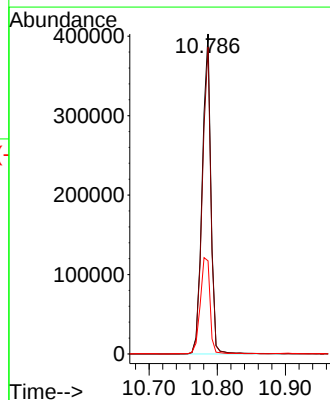
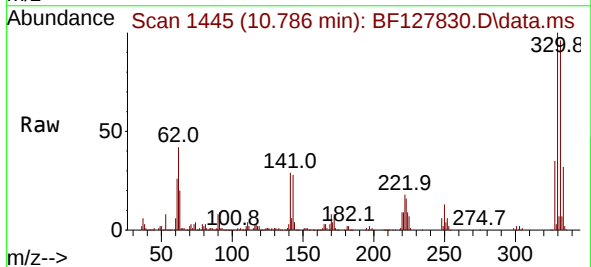
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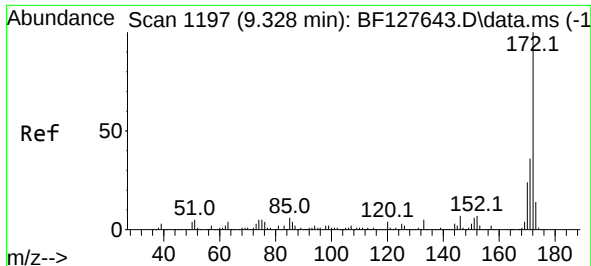
Tgt Ion:164 Resp: 300771
Ion Ratio Lower Upper
164 100
162 101.0 81.2 121.8
160 44.9 34.6 52.0



#42
2,4,6-Tribromophenol
Concen: 110.735 ng
RT: 10.786 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF127830.D
Acq: 18 Apr 2022 17:32

Tgt Ion:330 Resp: 354425
Ion Ratio Lower Upper
330 100
332 95.5 79.1 118.7
141 34.3 26.2 39.4





#45

2-Fluorobiphenyl

Concen: 70.410 ng

RT: 9.310 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF127830.D

Acq: 18 Apr 2022 17:32

Instrument :

BNA_F

ClientSampleId :

282

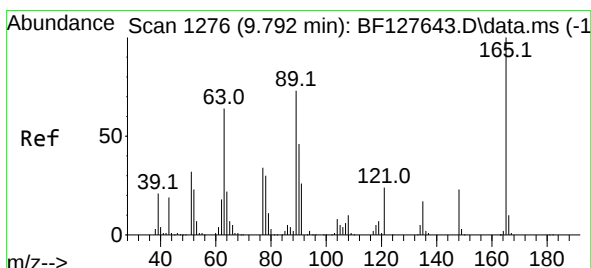
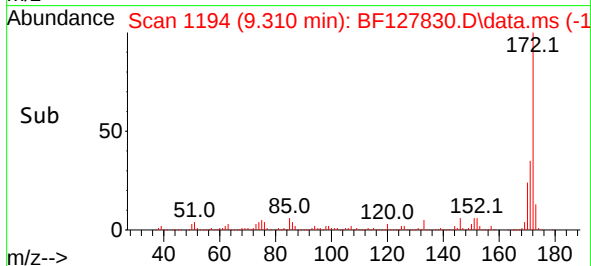
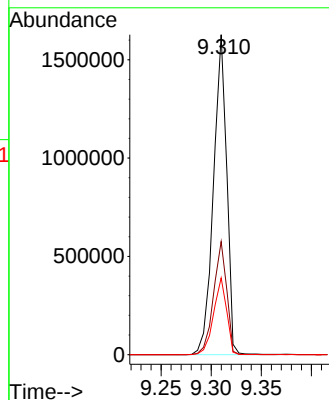
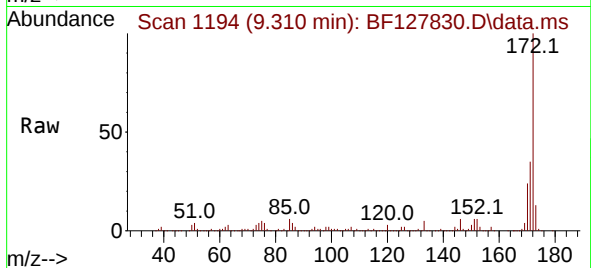
Tgt Ion:172 Resp: 1496975

Ion Ratio Lower Upper

172 100

171 35.4 28.4 42.6

170 24.0 18.6 27.8



#51

2,6-Dinitrotoluene

Concen: 9.766 ng

RT: 9.992 min Scan# 1310

Delta R.T. 0.206 min

Lab File: BF127830.D

Acq: 18 Apr 2022 17:32

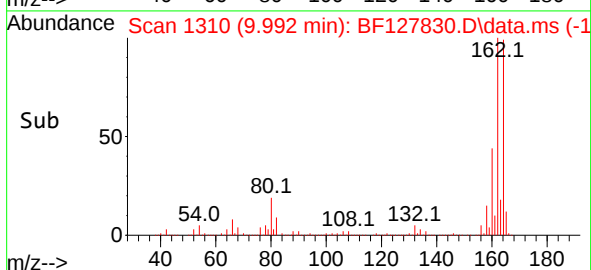
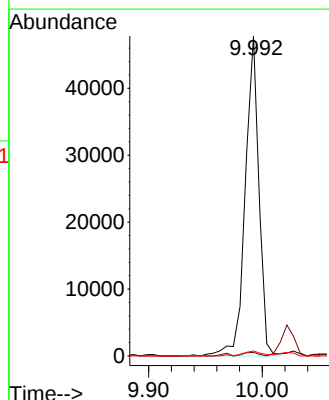
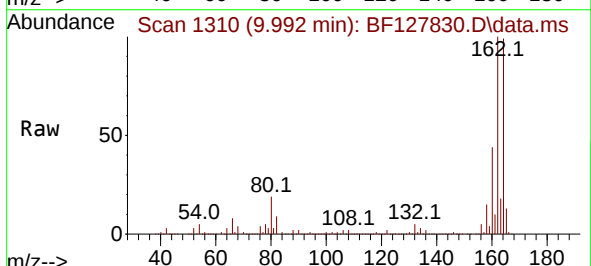
Tgt Ion:165 Resp: 40132

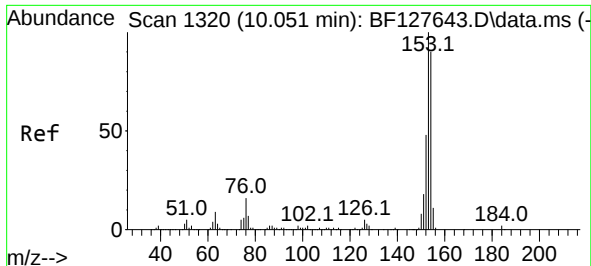
Ion Ratio Lower Upper

165 100

63 1.1 58.3 87.5#

89 1.5 51.5 77.3#

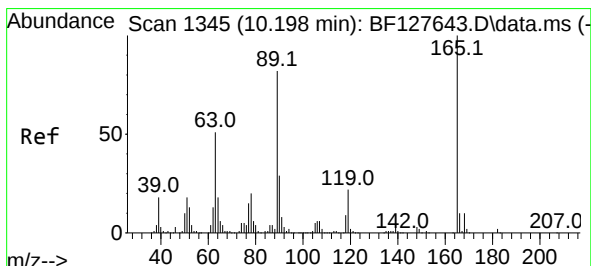
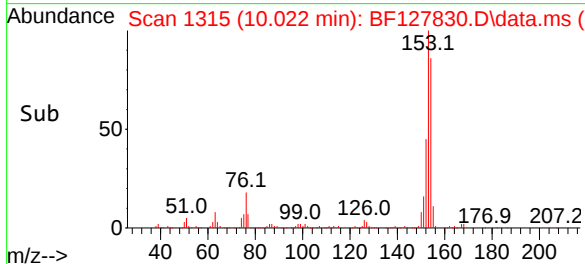
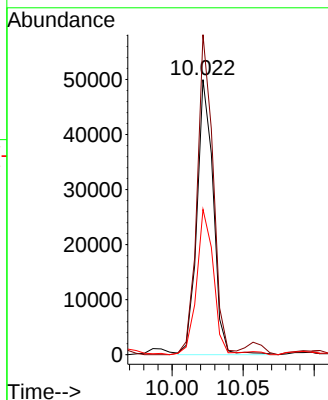
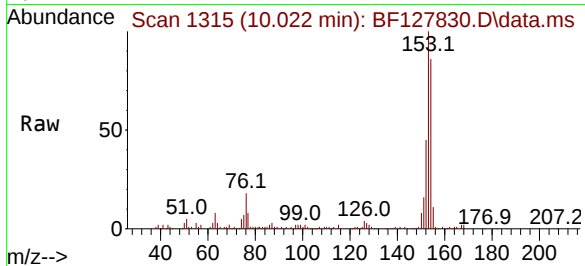




#52
Acenaphthene
Concen: 2.280 ng
RT: 10.022 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF127830.D
Acq: 18 Apr 2022 17:32

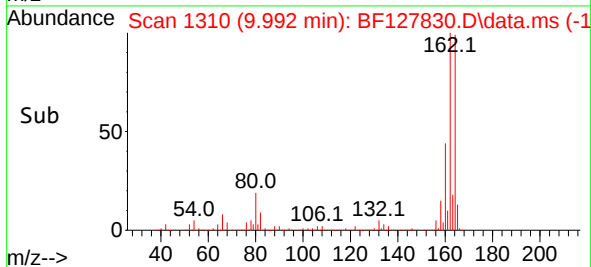
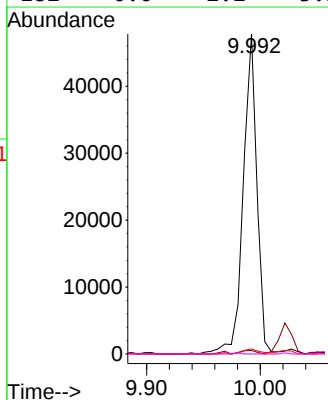
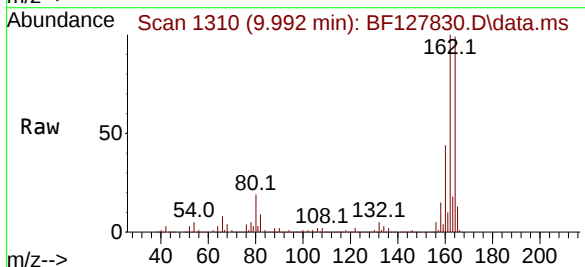
Instrument :
BNA_F
ClientSampleId :
282

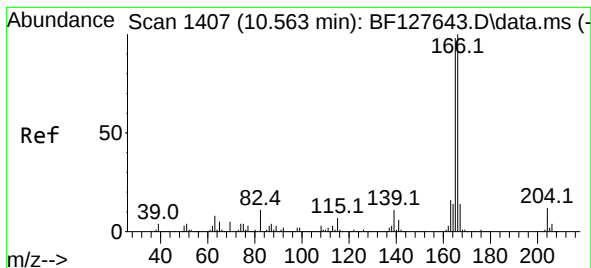
Tgt Ion:154 Resp: 39939
Ion Ratio Lower Upper
154 100
153 116.3 87.6 131.4
152 52.8 42.9 64.3



#57
2,4-Dinitrotoluene
Concen: 7.877 ng
RT: 9.992 min Scan# 1310
Delta R.T. -0.200 min
Lab File: BF127830.D
Acq: 18 Apr 2022 17:32

Tgt Ion:165 Resp: 40132
Ion Ratio Lower Upper
165 100
63 1.1 53.1 79.7#
89 1.5 69.2 103.8#
182 0.0 2.2 3.2#





#58

Fluorene

Concen: 2.748 ng

RT: 10.539 min Scan# 1403

Delta R.T. -0.018 min

Lab File: BF127830.D

Acq: 18 Apr 2022 17:32

Instrument :

BNA_F

ClientSampleId :

282

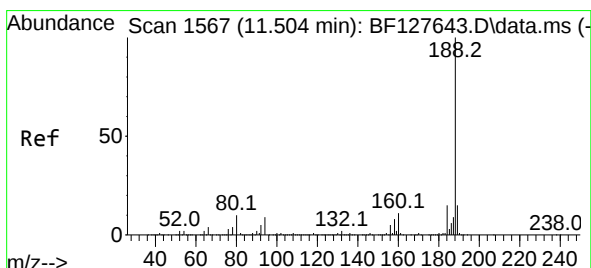
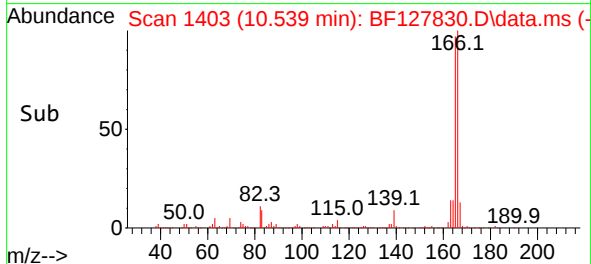
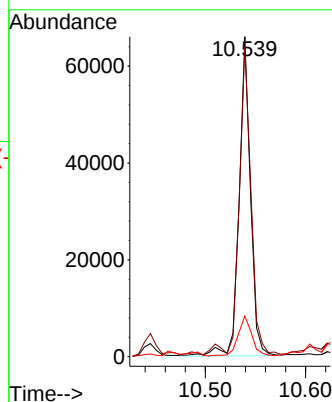
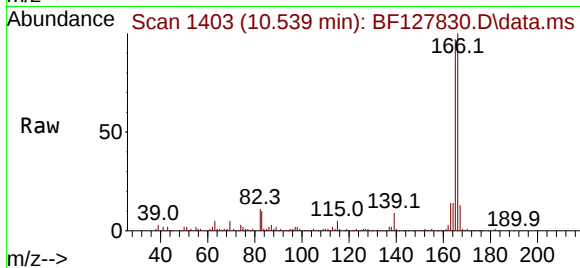
Tgt Ion:166 Resp: 51900

Ion Ratio Lower Upper

166 100

165 97.1 78.1 117.1

167 12.7 10.5 15.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.486 min Scan# 1564

Delta R.T. -0.006 min

Lab File: BF127830.D

Acq: 18 Apr 2022 17:32

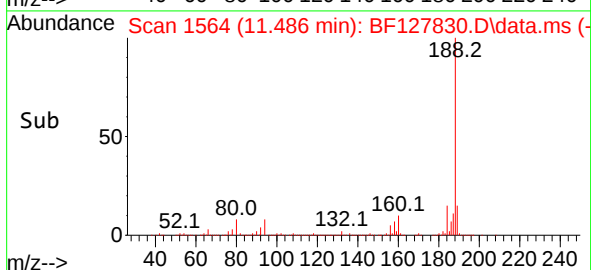
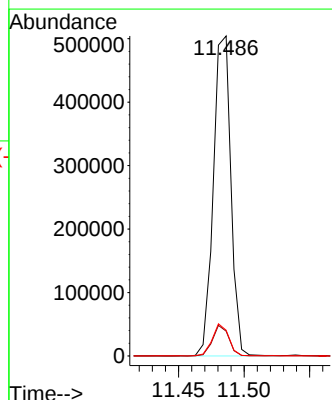
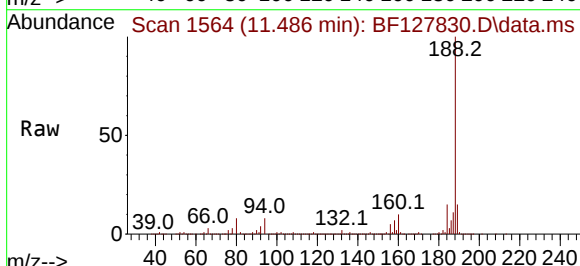
Tgt Ion:188 Resp: 469526

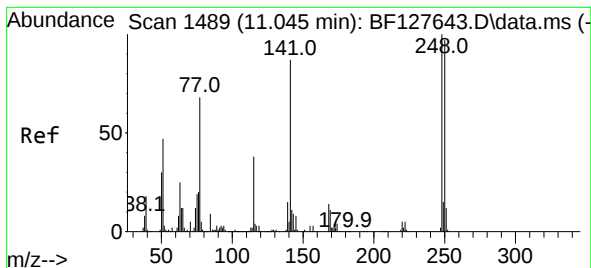
Ion Ratio Lower Upper

188 100

94 7.8 7.4 11.0

80 8.1 8.0 12.0

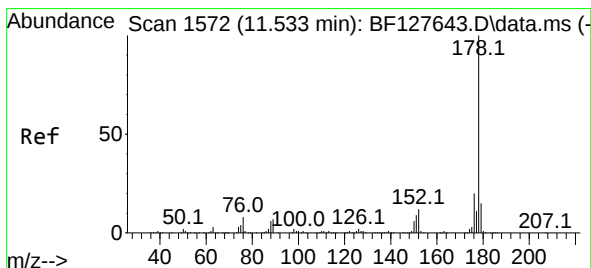
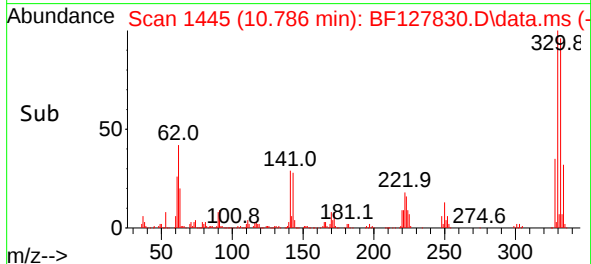
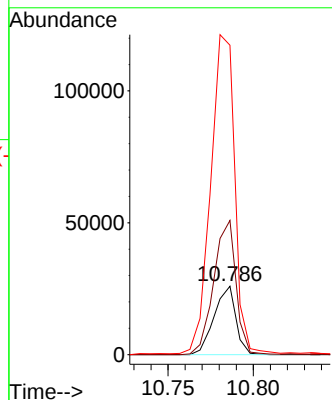
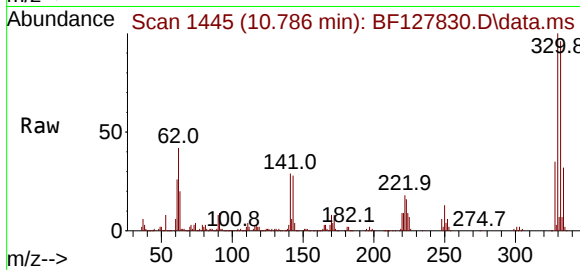




#67
4-Bromophenyl-phenylether
Concen: 4.043 ng
RT: 10.786 min Scan# 1489
Delta R.T. -0.253 min
Lab File: BF127830.D
Acq: 18 Apr 2022 17:32

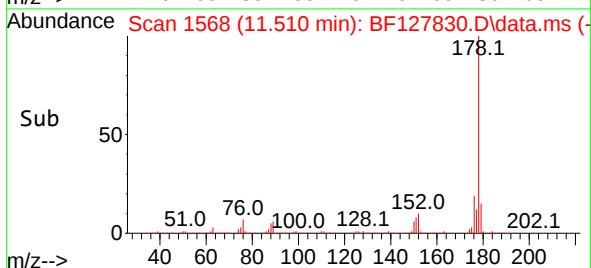
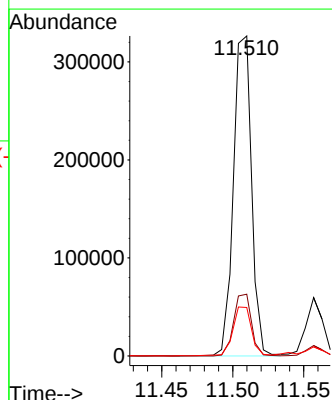
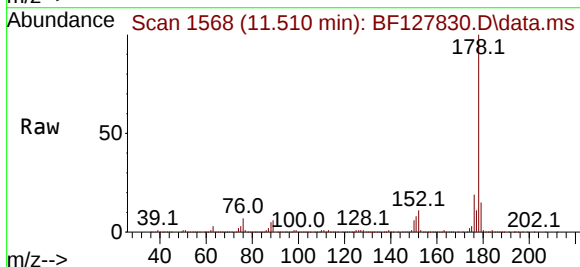
Instrument :
BNA_F
ClientSampleId :
282

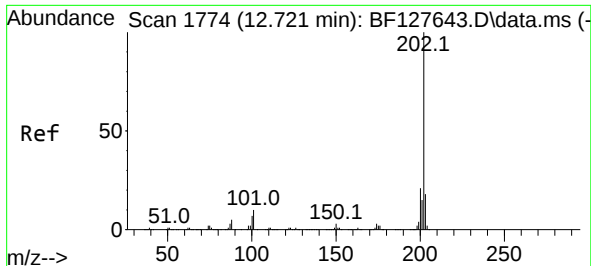
Tgt Ion:248 Resp: 23038
Ion Ratio Lower Upper
248 100
250 196.0 76.6 115.0#
141 451.8 52.2 78.2#



#71
Phenanthrene
Concen: 11.674 ng
RT: 11.510 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF127830.D
Acq: 18 Apr 2022 17:32

Tgt Ion:178 Resp: 290407
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 15.2 12.4 18.6

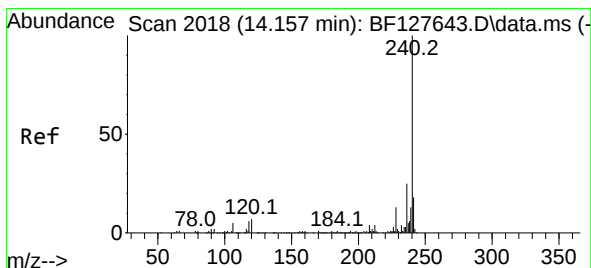
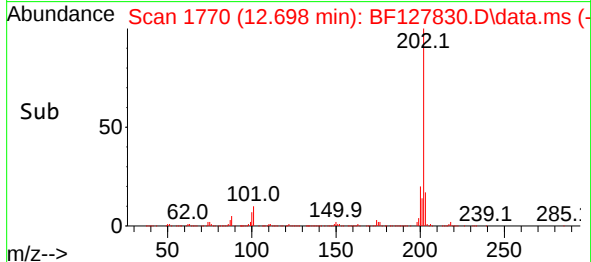
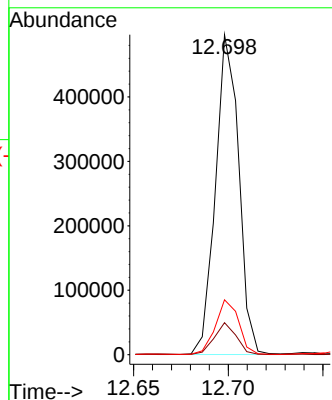
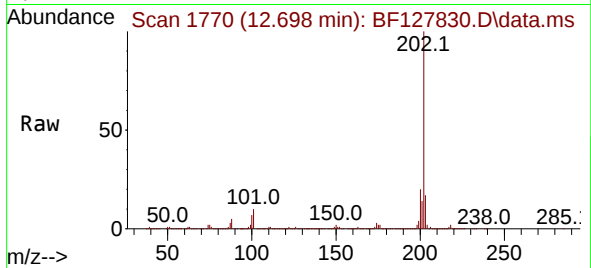




#75
Fluoranthene
Concen: 15.617 ng
RT: 12.698 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF127830.D
Acq: 18 Apr 2022 17:32

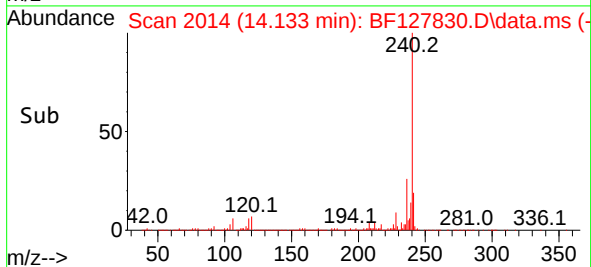
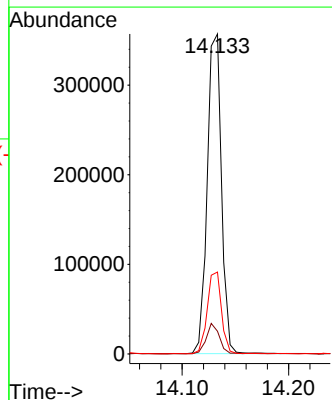
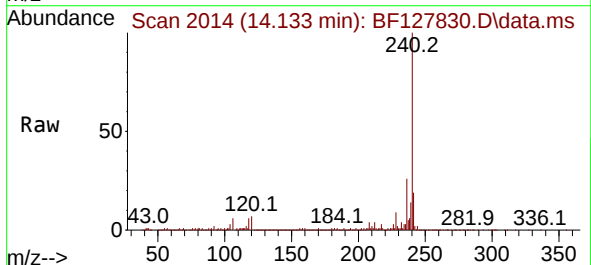
Instrument :
BNA_F
ClientSampleId :
282

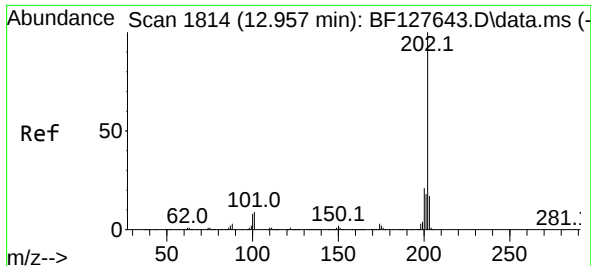
Tgt Ion:202 Resp: 423958
Ion Ratio Lower Upper
202 100
101 10.0 0.0 29.0
203 17.2 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF127830.D
Acq: 18 Apr 2022 17:32

Tgt Ion:240 Resp: 331728
Ion Ratio Lower Upper
240 100
120 7.1 7.1 10.7#
236 25.6 20.7 31.1

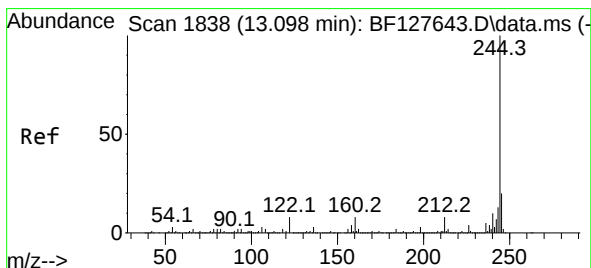
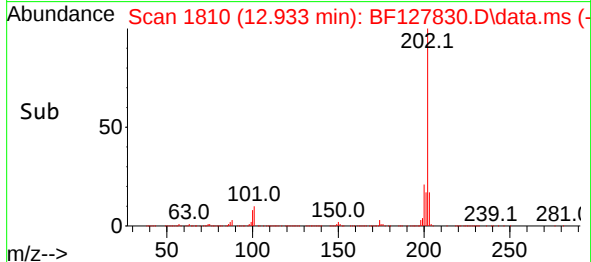
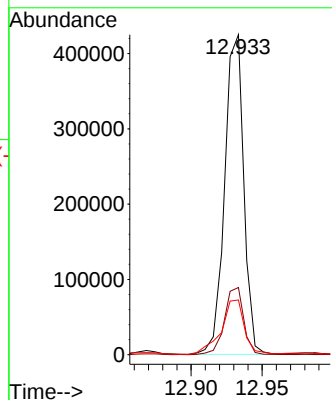
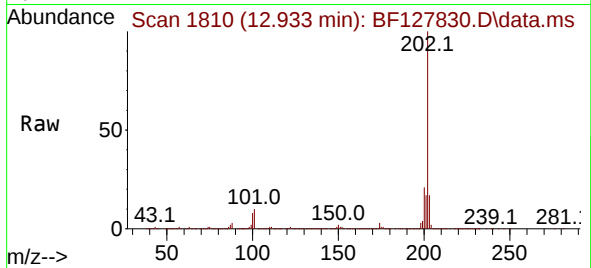




#78
 Pyrene
 Concen: 14.190 ng
 RT: 12.933 min Scan# 1810
 Delta R.T. -0.012 min
 Lab File: BF127830.D
 Acq: 18 Apr 2022 17:32

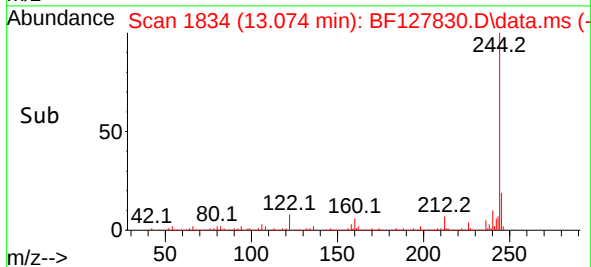
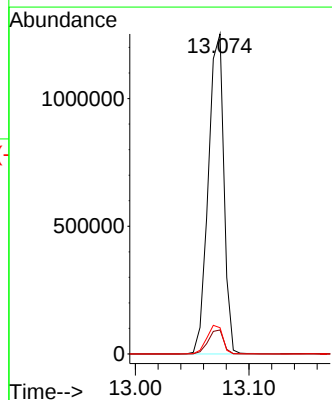
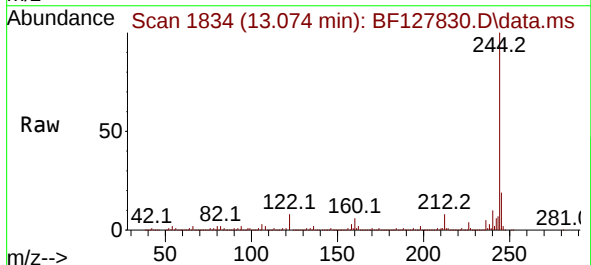
Instrument :
 BNA_F
 ClientSampleId :
 282

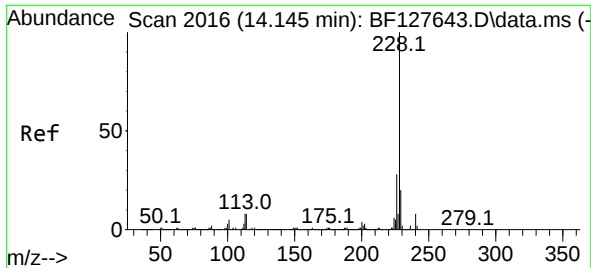
Tgt Ion:202 Resp: 397485
 Ion Ratio Lower Upper
 202 100
 200 21.0 17.1 25.7
 203 17.1 14.3 21.5



#79
 Terphenyl-d14
 Concen: 59.260 ng
 RT: 13.074 min Scan# 1834
 Delta R.T. -0.006 min
 Lab File: BF127830.D
 Acq: 18 Apr 2022 17:32

Tgt Ion:244 Resp: 1190962
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.7 8.5
 122 8.2 6.2 9.2

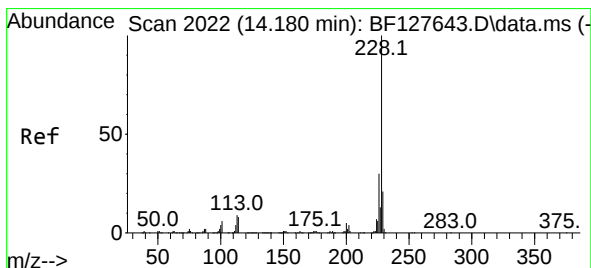
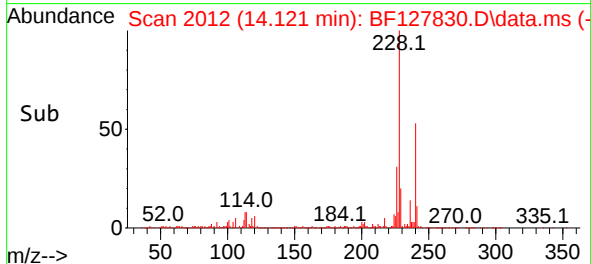
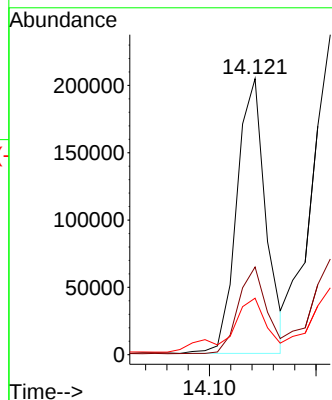
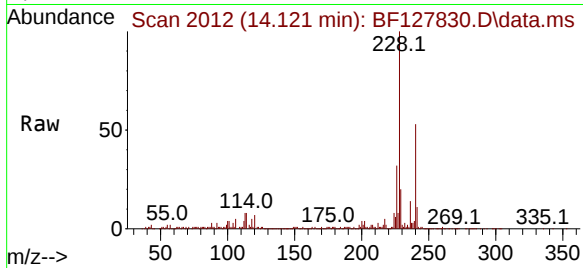




#81
Benzo(a)anthracene
Concen: 8.747 ng
RT: 14.121 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF127830.D
Acq: 18 Apr 2022 17:32

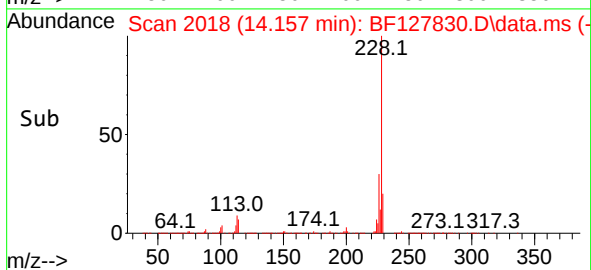
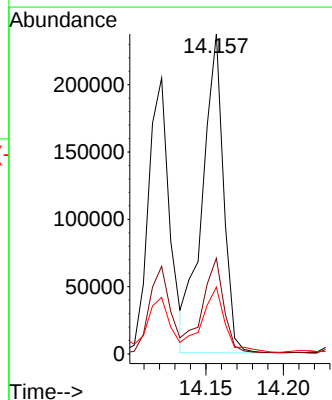
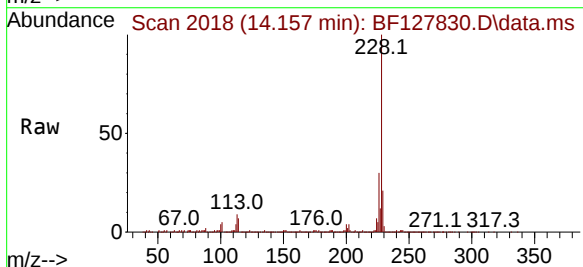
Instrument :
BNA_F
ClientSampleId :
282

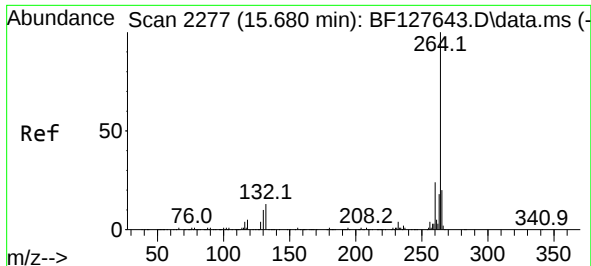
Tgt Ion:228 Resp: 193805
Ion Ratio Lower Upper
228 100
226 31.8 21.6 32.4
229 20.5 15.4 23.2



#83
Chrysene
Concen: 10.568 ng
RT: 14.157 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF127830.D
Acq: 18 Apr 2022 17:32

Tgt Ion:228 Resp: 224749
Ion Ratio Lower Upper
228 100
226 29.9 24.2 36.4
229 20.9 15.4 23.2

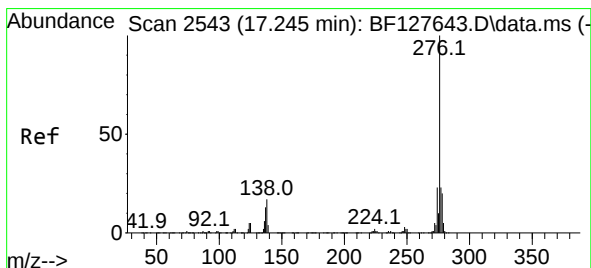
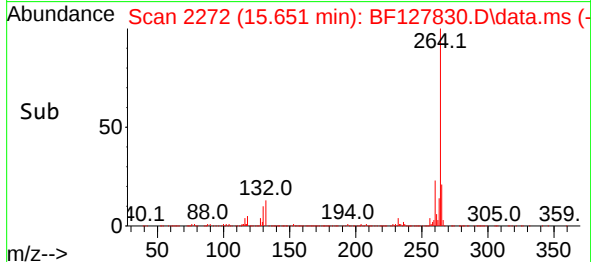
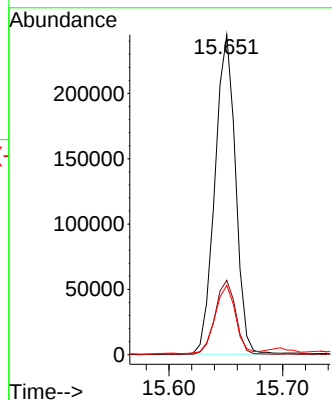
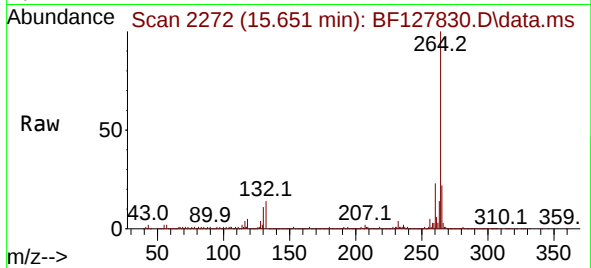




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.651 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF127830.D
 Acq: 18 Apr 2022 17:32

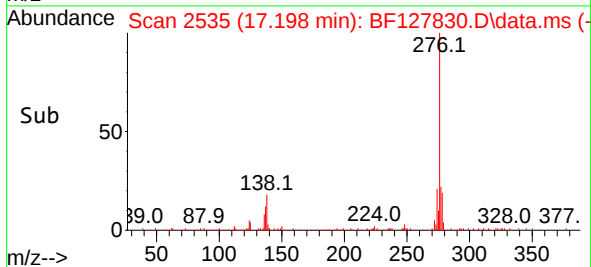
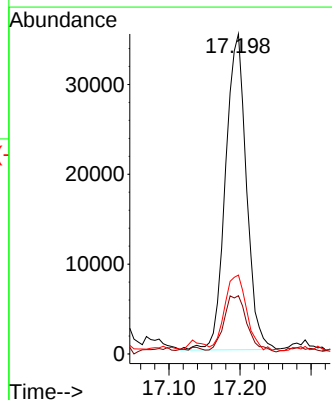
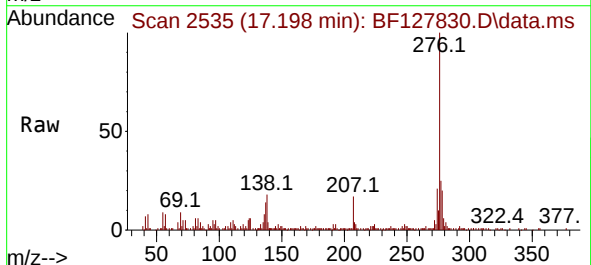
Instrument :
 BNA_F
 ClientSampleId :
 282

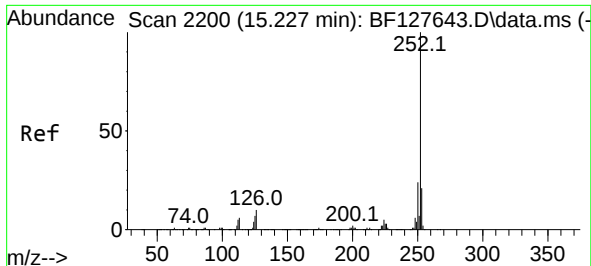
Tgt Ion:264 Resp: 308675
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.1 28.7
 265 21.6 17.4 26.2



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.733 ng
 RT: 17.198 min Scan# 2535
 Delta R.T. -0.029 min
 Lab File: BF127830.D
 Acq: 18 Apr 2022 17:32

Tgt Ion:276 Resp: 71990
 Ion Ratio Lower Upper
 276 100
 138 19.7 17.1 25.7
 277 25.1 19.9 29.9

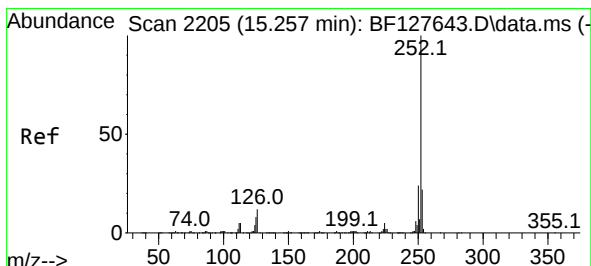
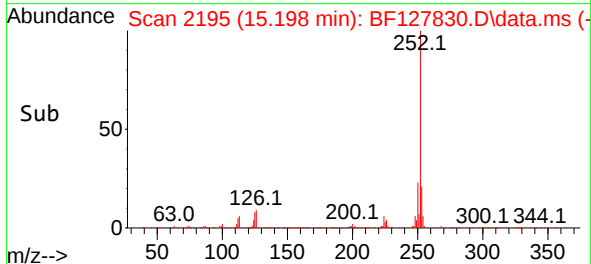
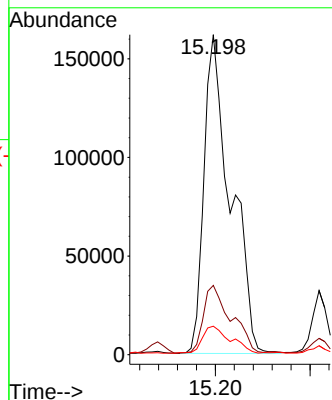
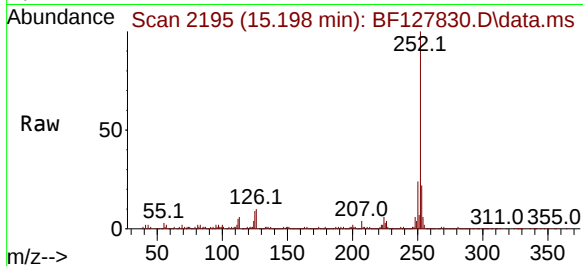




#88
Benzo(b)fluoranthene
Concen: 15.920 ng
RT: 15.198 min Scan# 2195
Delta R.T. -0.012 min
Lab File: BF127830.D
Acq: 18 Apr 2022 17:32

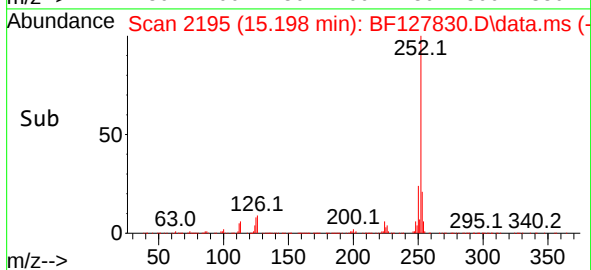
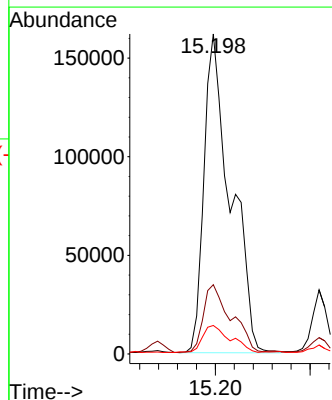
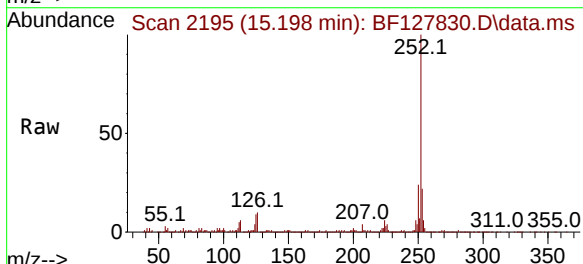
Instrument :
BNA_F
ClientSampleId :
282

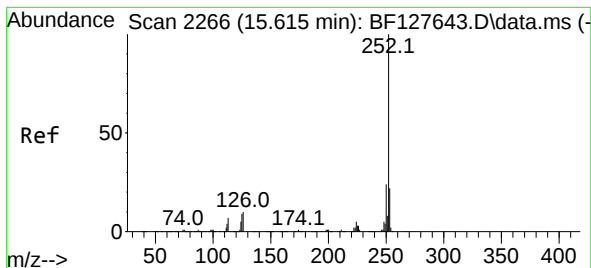
Tgt Ion:252 Resp: 316122
Ion Ratio Lower Upper
252 100
253 21.6 17.9 26.9
125 8.9 7.0 10.4



#89
Benzo(k)fluoranthene
Concen: 16.051 ng
RT: 15.198 min Scan# 2195
Delta R.T. -0.041 min
Lab File: BF127830.D
Acq: 18 Apr 2022 17:32

Tgt Ion:252 Resp: 316122
Ion Ratio Lower Upper
252 100
253 21.6 17.3 25.9
125 8.9 6.9 10.3





#90

Benzo(a)pyrene

Concen: 8.990 ng

RT: 15.580 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF127830.D

Acq: 18 Apr 2022 17:32

Instrument :

BNA_F

ClientSampleId :

282

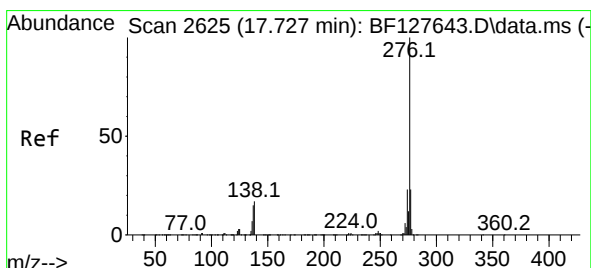
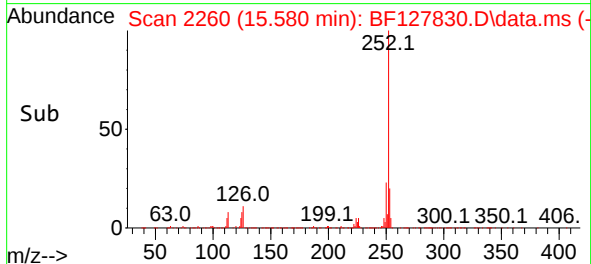
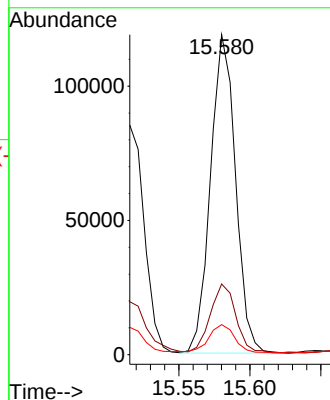
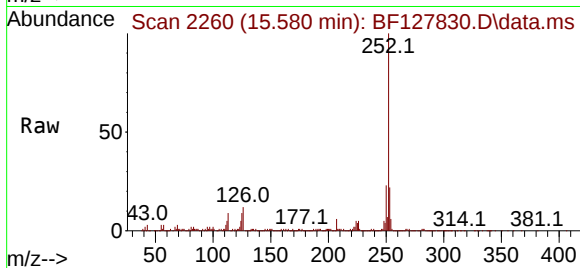
Tgt Ion:252 Resp: 145092

Ion Ratio Lower Upper

252 100

253 22.1 17.0 25.6

125 9.4 6.7 10.1



#92

Benzo(g,h,i)perylene

Concen: 4.019 ng

RT: 17.662 min Scan# 2614

Delta R.T. -0.041 min

Lab File: BF127830.D

Acq: 18 Apr 2022 17:32

Tgt Ion:276 Resp: 64375

Ion Ratio Lower Upper

276 100

277 23.3 19.0 28.4

138 19.2 14.6 22.0

