

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030222\
 Data File : BF127157.D
 Acq On : 02 Mar 2022 20:04
 Operator : CG\JU
 Sample : N1721-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUM-1

Quant Time: Mar 03 00:57:52 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 01 23:57:09 2022
 Response via : Initial Calibration

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

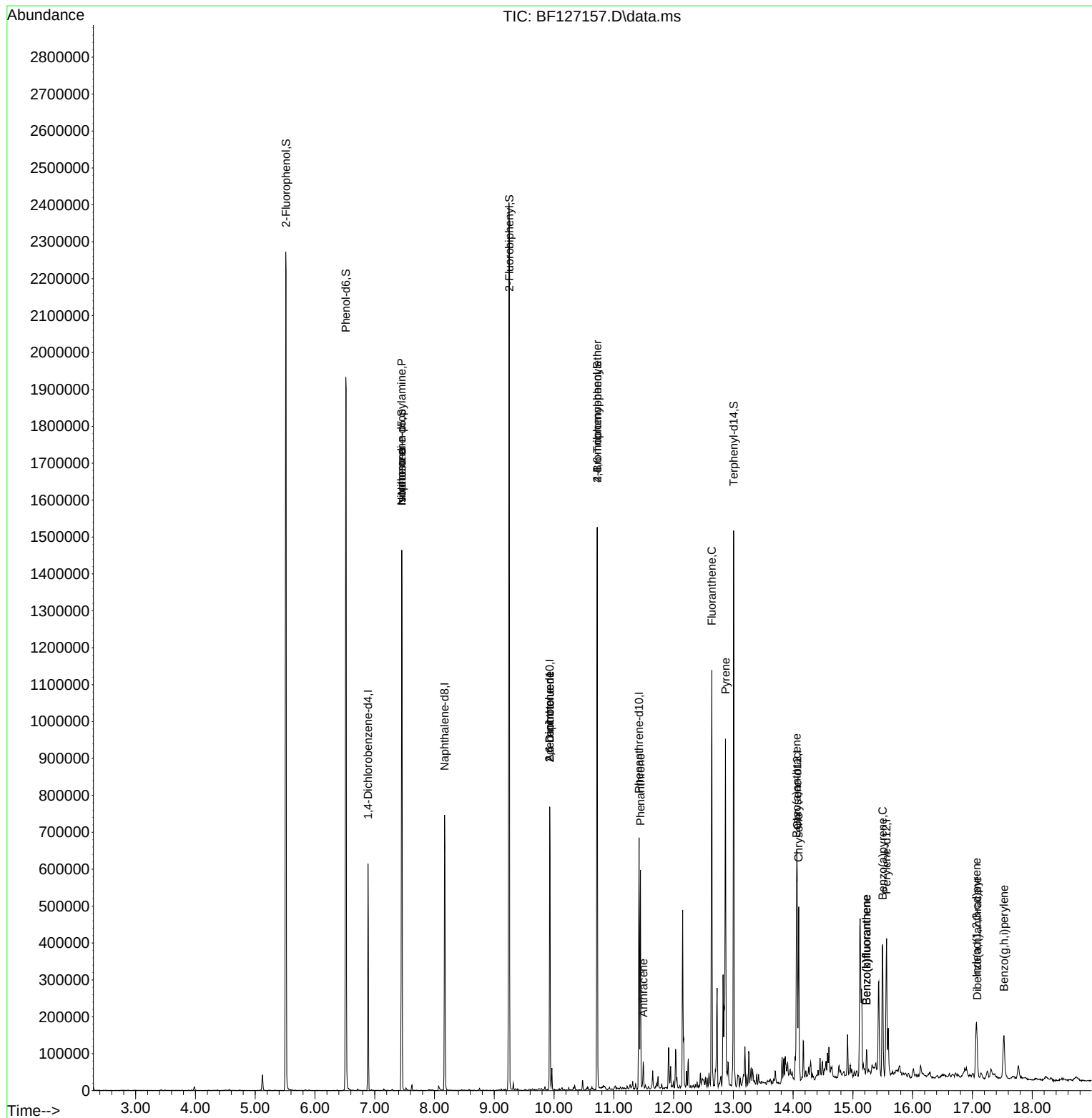
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	80160	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	315017	20.000	ng	# 0.00
39) Acenaphthene-d10	9.928	164	146881	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	215253	20.000	ng	# 0.00
76) Chrysene-d12	14.069	240	130891	20.000	ng	# 0.00
86) Perylene-d12	15.563	264	147778	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	604586	116.571	ng	0.00
7) Phenol-d6	6.516	99	683047	97.602	ng	0.00
23) Nitrobenzene-d5	7.451	82	470073	67.355	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	161513	95.506	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	738145	73.983	ng	0.00
79) Terphenyl-d14	13.004	244	465127	52.239	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	65243	14.468	ng	# 80
25) Isophorone	7.451	82	470067	40.704	ng	# 69
51) 2,6-Dinitrotoluene	9.928	165	19835	9.286	ng	# 22
57) 2,4-Dinitrotoluene	9.928	165	19835	6.868	ng	# 16
67) 4-Bromophenyl-phenylether	10.722	248	9863	4.101	ng	# 1
71) Phenanthrene	11.445	178	195343	16.214	ng	99
72) Anthracene	11.492	178	24924	2.078	ng	98
75) Fluoranthene	12.639	202	410144	35.853	ng	93
78) Pyrene	12.869	202	347891	30.593	ng	99
81) Benzo(a)anthracene	14.057	228	164253	18.614	ng	98
83) Chrysene	14.092	228	154597	18.631	ng	97
87) Indeno(1,2,3-cd)pyrene	17.068	276	101986	10.525	ng	# 81
88) Benzo(b)fluoranthene	15.227	252	26972	2.717	ng	92
89) Benzo(k)fluoranthene	15.227	252	26972	2.817	ng	93
90) Benzo(a)pyrene	15.498	252	170435	21.984	ng	# 90
91) Dibenzo(a,h)anthracene	17.080	278	22322	2.785	ng	# 89
92) Benzo(g,h,i)perylene	17.527	276	95656	12.107	ng	# 83

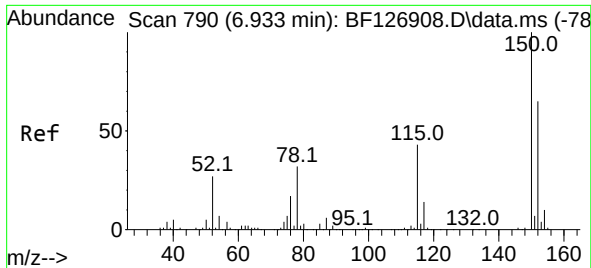
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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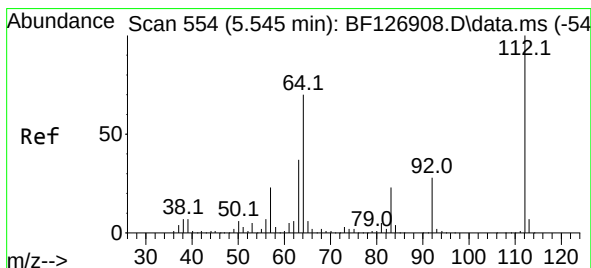
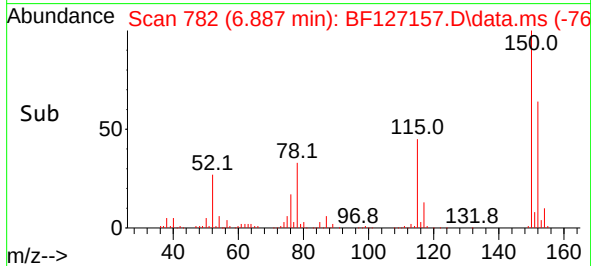
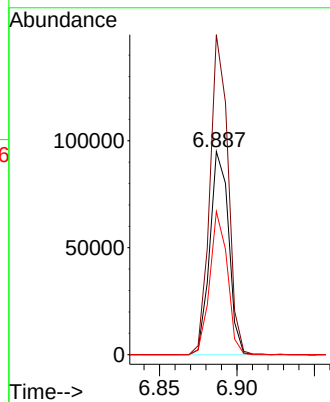
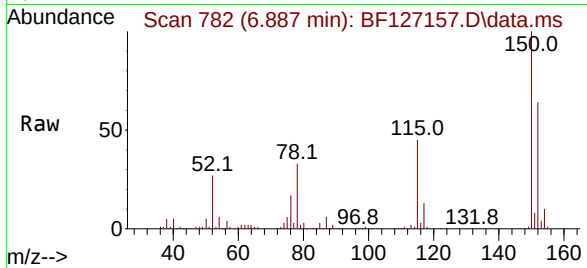




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.887 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BF127157.D
 Acq: 02 Mar 2022 20:04

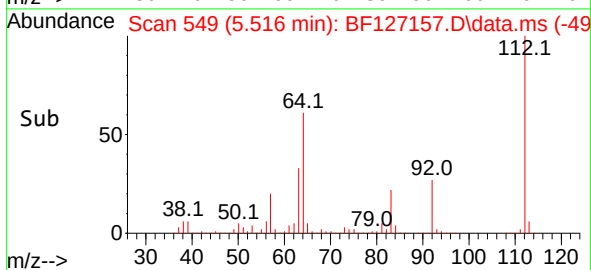
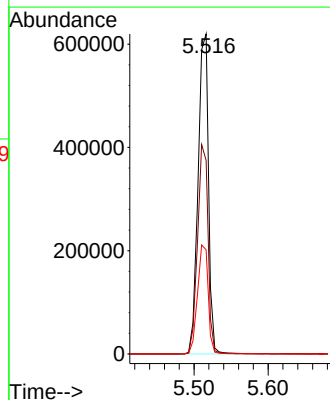
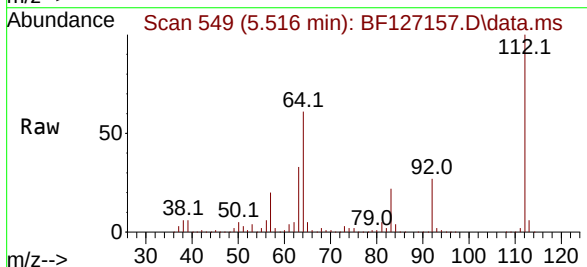
Instrument :
 BNA_F
 ClientSampleId :
 DUM-1

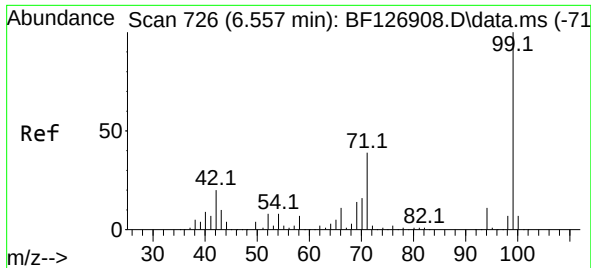
Tgt Ion:152 Resp: 80160
 Ion Ratio Lower Upper
 152 100
 150 157.4 128.1 192.1
 115 70.5 56.7 85.1



#5
 2-Fluorophenol
 Concen: 116.571 ng
 RT: 5.516 min Scan# 549
 Delta R.T. 0.006 min
 Lab File: BF127157.D
 Acq: 02 Mar 2022 20:04

Tgt Ion:112 Resp: 604586
 Ion Ratio Lower Upper
 112 100
 64 60.5 49.5 74.3
 63 32.6 23.9 35.9

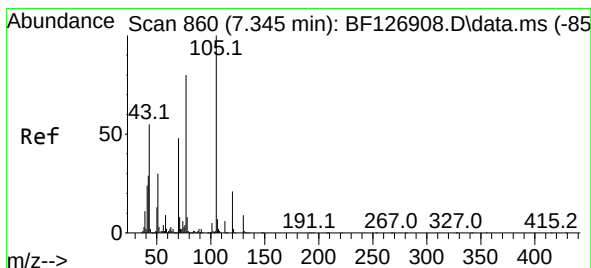
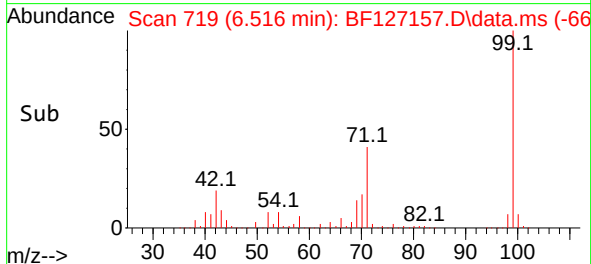
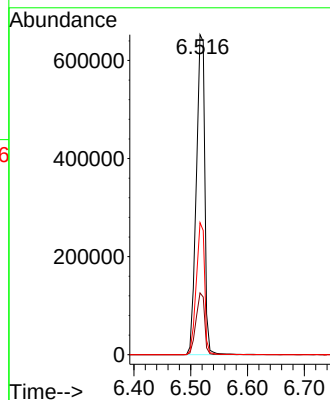
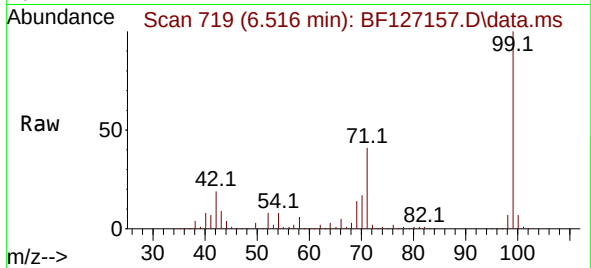




#7
Phenol-d6
Concen: 97.602 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127157.D
Acq: 02 Mar 2022 20:04

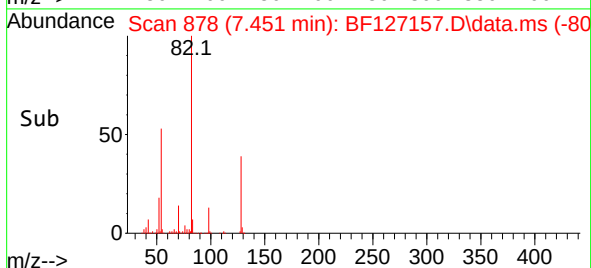
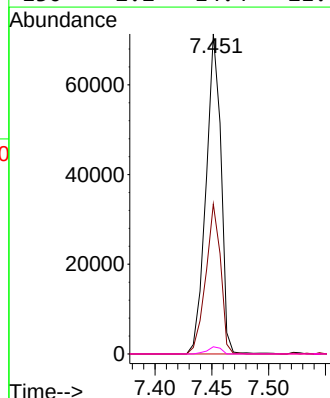
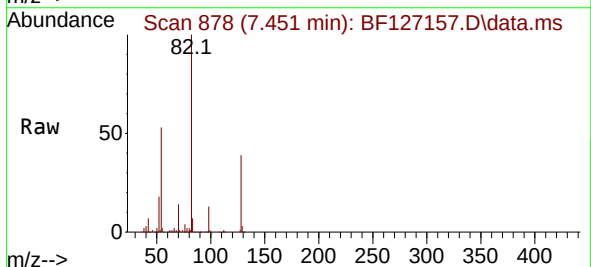
Instrument :
BNA_F
ClientSampleId :
DUM-1

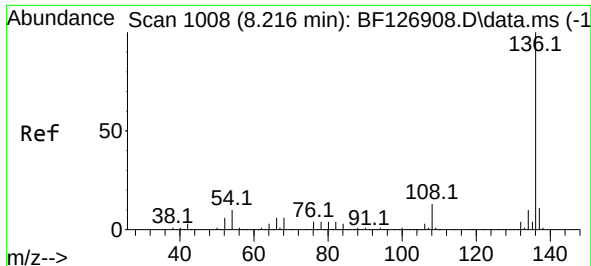
Tgt Ion: 99 Resp: 683047
Ion Ratio Lower Upper
99 100
42 19.3 14.2 21.4
71 41.3 24.3 36.5#



#19
n-Nitroso-di-n-propylamine
Concen: 14.468 ng
RT: 7.451 min Scan# 878
Delta R.T. 0.147 min
Lab File: BF127157.D
Acq: 02 Mar 2022 20:04

Tgt Ion: 70 Resp: 65243
Ion Ratio Lower Upper
70 100
42 46.9 45.8 68.8
101 0.0 6.9 10.3#
130 2.2 14.4 21.6#

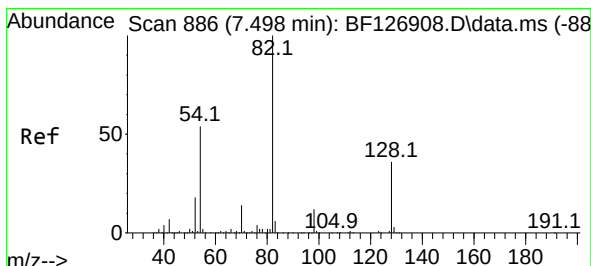
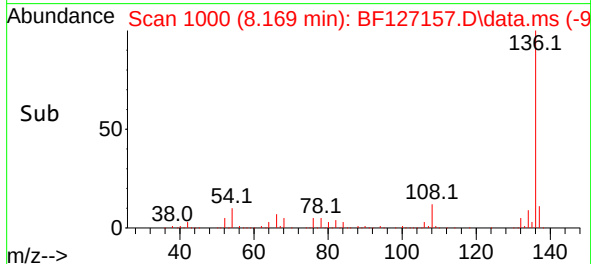
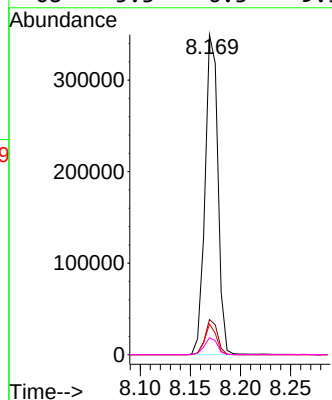
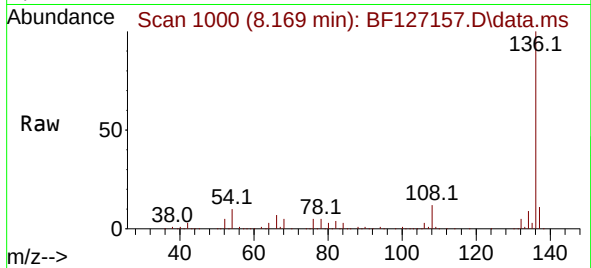




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF127157.D
Acq: 02 Mar 2022 20:04

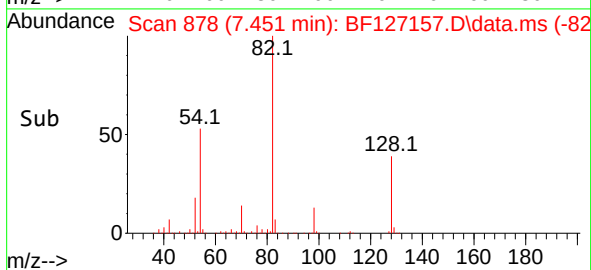
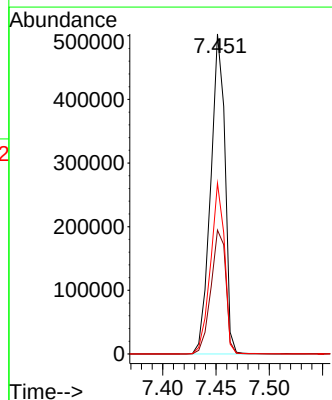
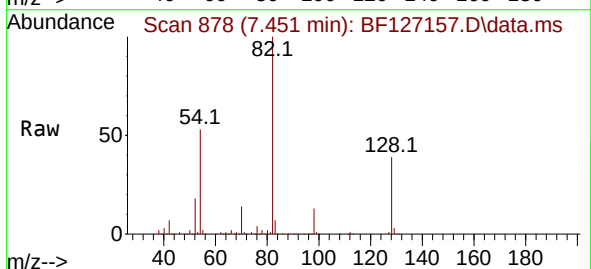
Instrument :
BNA_F
ClientSampleId :
DUM-1

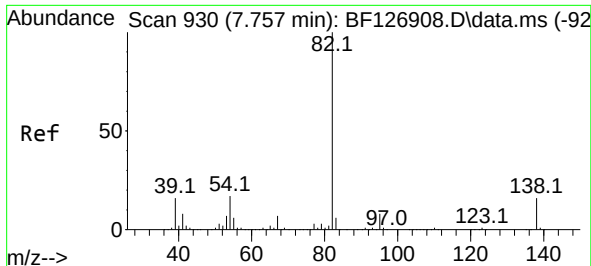
Tgt Ion:136 Resp: 315017
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 9.5 7.8 11.6
68 5.3 6.3 9.5#



#23
Nitrobenzene-d5
Concen: 67.355 ng
RT: 7.451 min Scan# 878
Delta R.T. -0.012 min
Lab File: BF127157.D
Acq: 02 Mar 2022 20:04

Tgt Ion: 82 Resp: 470073
Ion Ratio Lower Upper
82 100
128 38.7 32.7 49.1
54 53.4 41.7 62.5

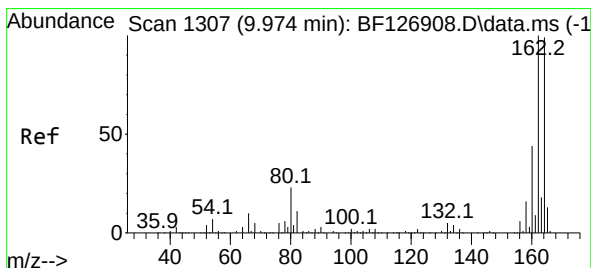
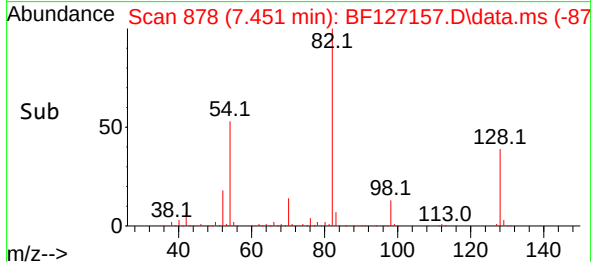
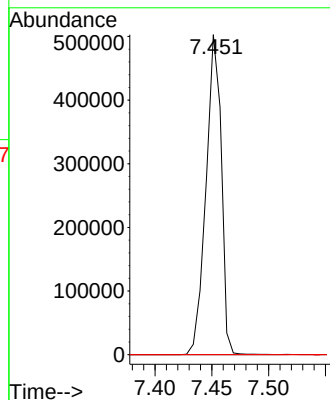
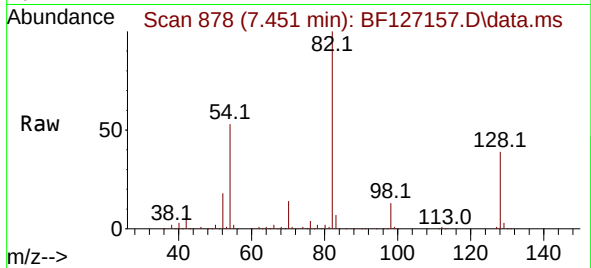




#25
Isophorone
Concen: 40.704 ng
RT: 7.451 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF127157.D
Acq: 02 Mar 2022 20:04

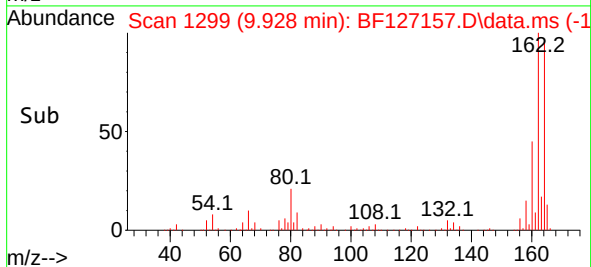
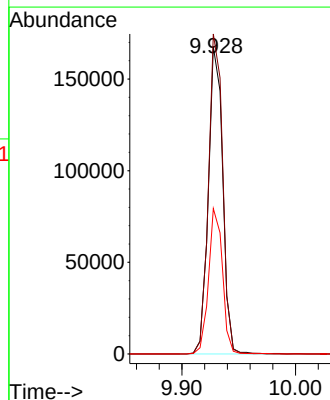
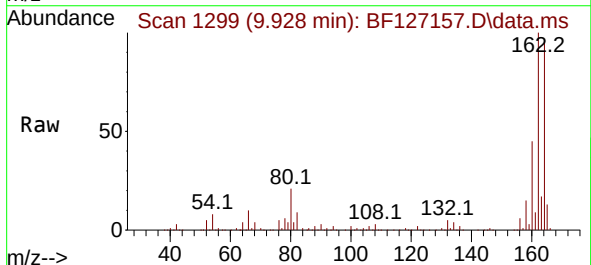
Instrument :
BNA_F
ClientSampleId :
DUM-1

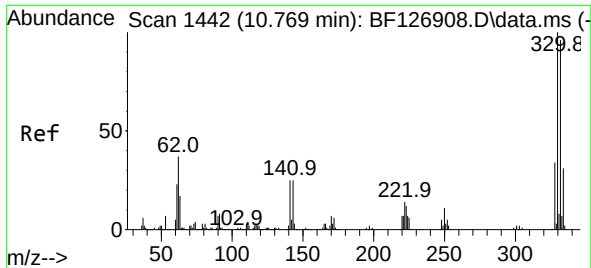
Tgt Ion: 82 Resp: 470067
Ion Ratio Lower Upper
82 100
95 0.0 5.0 7.4#
138 0.0 12.3 18.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1299
Delta R.T. -0.012 min
Lab File: BF127157.D
Acq: 02 Mar 2022 20:04

Tgt Ion: 164 Resp: 146881
Ion Ratio Lower Upper
164 100
162 104.1 81.4 122.0
160 47.3 36.6 54.8

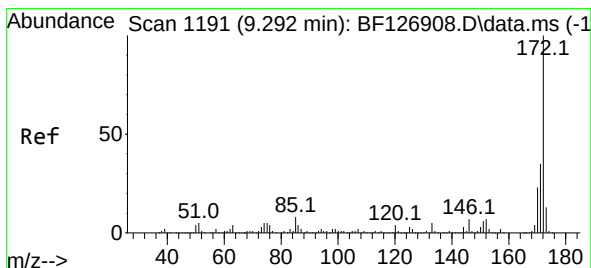
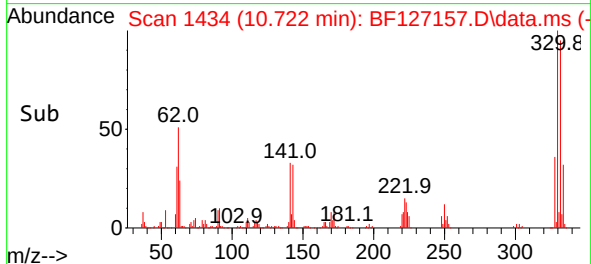
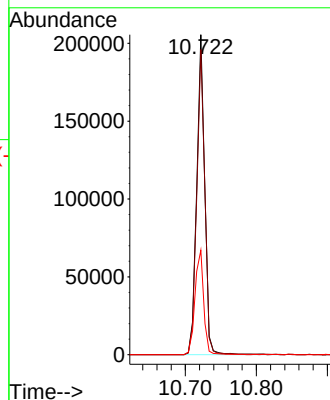
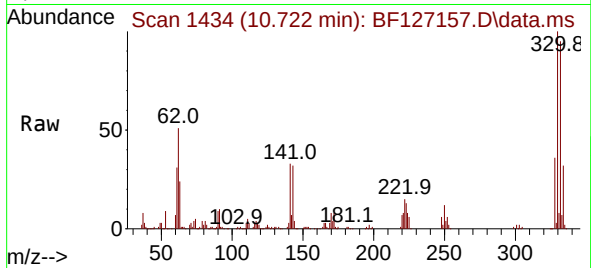




#42
 2,4,6-Tribromophenol
 Concen: 95.506 ng
 RT: 10.722 min Scan# 1442
 Delta R.T. -0.006 min
 Lab File: BF127157.D
 Acq: 02 Mar 2022 20:04

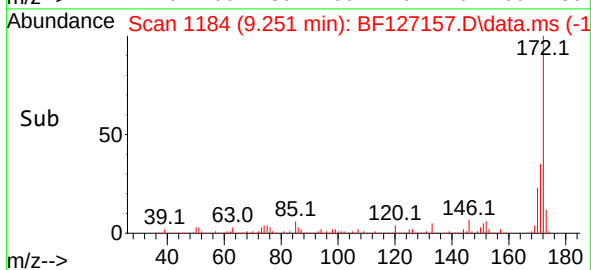
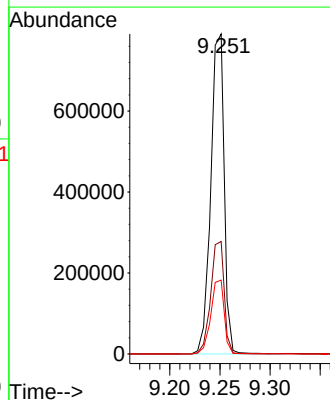
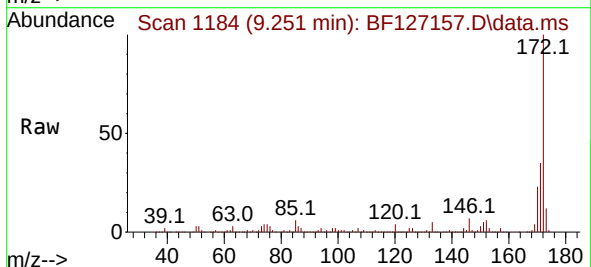
Instrument :
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 ClientSampleId :
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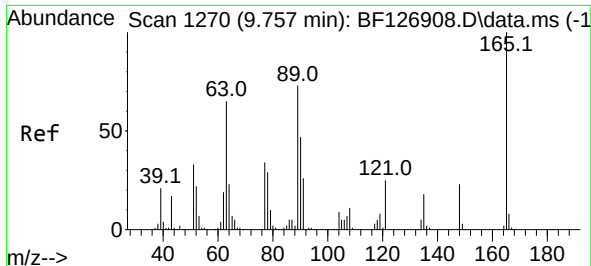
Tgt Ion: 330 Resp: 161513
 Ion Ratio Lower Upper
 330 100
 332 96.1 76.0 114.0
 141 35.6 30.1 45.1



#45
 2-Fluorobiphenyl
 Concen: 73.983 ng
 RT: 9.251 min Scan# 1184
 Delta R.T. 0.000 min
 Lab File: BF127157.D
 Acq: 02 Mar 2022 20:04

Tgt Ion: 172 Resp: 738145
 Ion Ratio Lower Upper
 172 100
 171 35.1 28.3 42.5
 170 23.1 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 9.286 ng

RT: 9.928 min Scan# 1299

Delta R.T. 0.206 min

Lab File: BF127157.D

Acq: 02 Mar 2022 20:04

Instrument :

BNA_F

ClientSampleId :

DUM-1

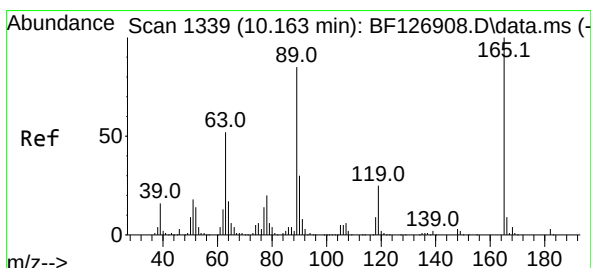
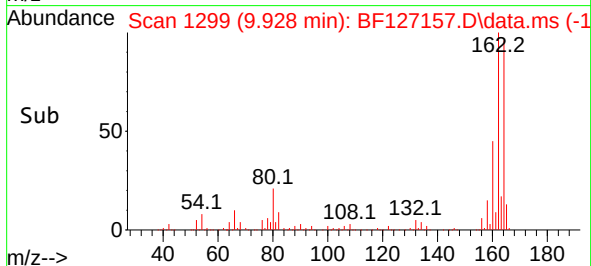
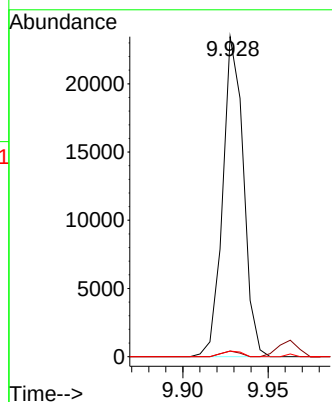
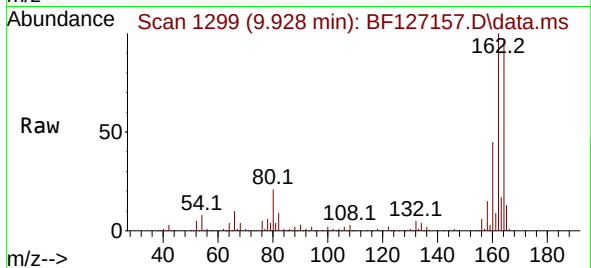
Tgt Ion:165 Resp: 19835

Ion Ratio Lower Upper

165 100

63 1.7 48.4 72.6#

89 1.7 50.5 75.7#



#57

2,4-Dinitrotoluene

Concen: 6.868 ng

RT: 9.928 min Scan# 1299

Delta R.T. -0.200 min

Lab File: BF127157.D

Acq: 02 Mar 2022 20:04

Tgt Ion:165 Resp: 19835

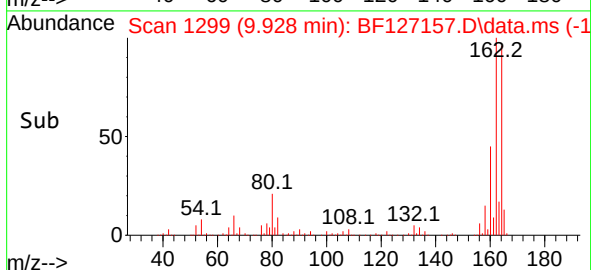
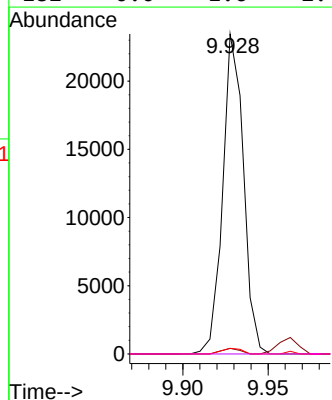
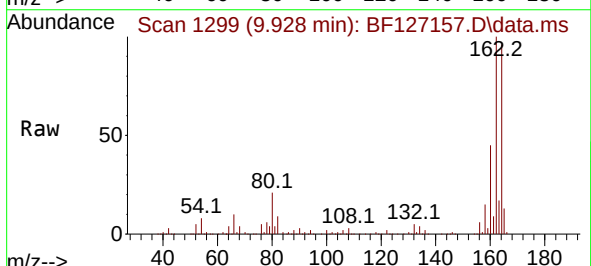
Ion Ratio Lower Upper

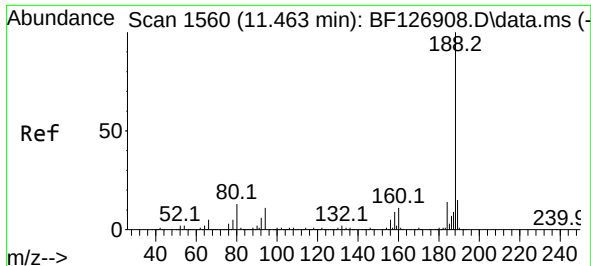
165 100

63 1.7 43.0 64.6#

89 1.7 71.0 106.4#

182 0.0 1.6 2.4#

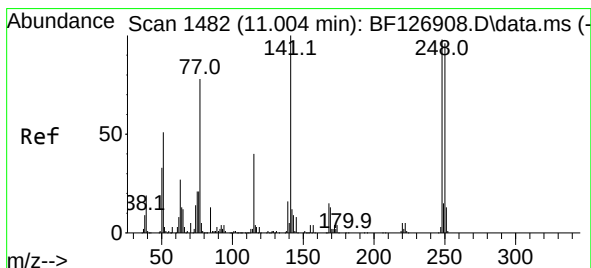
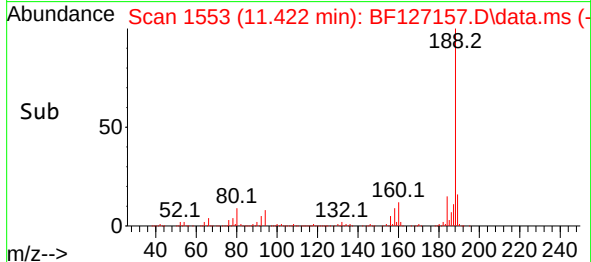
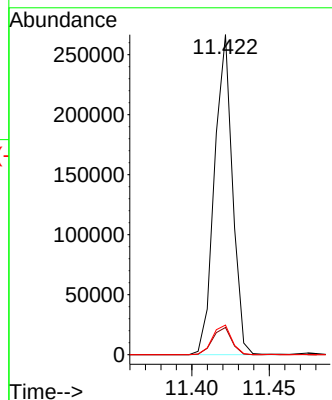
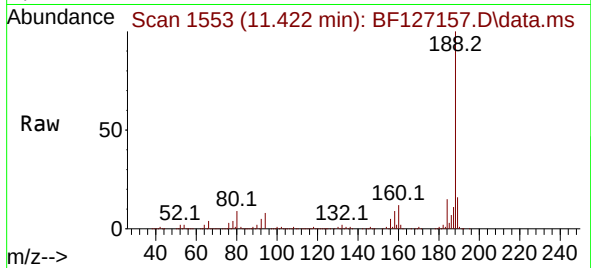




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127157.D
Acq: 02 Mar 2022 20:04

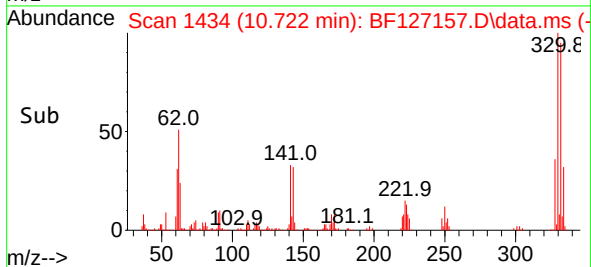
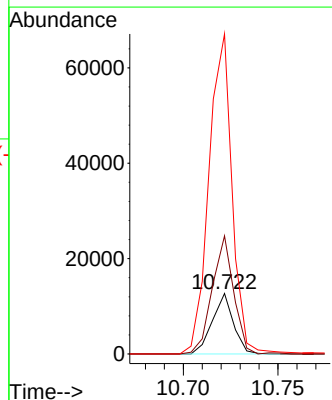
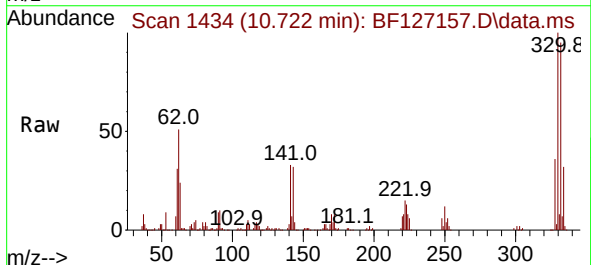
Instrument :
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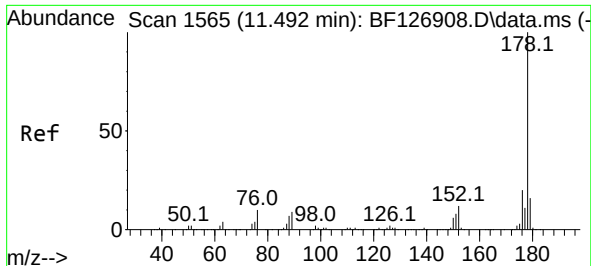
Tgt Ion:188 Resp: 215253
Ion Ratio Lower Upper
188 100
94 8.5 10.1 15.1#
80 9.2 11.8 17.6#



#67
4-Bromophenyl-phenylether
Concen: 4.101 ng
RT: 10.722 min Scan# 1434
Delta R.T. -0.247 min
Lab File: BF127157.D
Acq: 02 Mar 2022 20:04

Tgt Ion:248 Resp: 9863
Ion Ratio Lower Upper
248 100
250 195.1 76.2 114.4#
141 529.0 66.2 99.4#

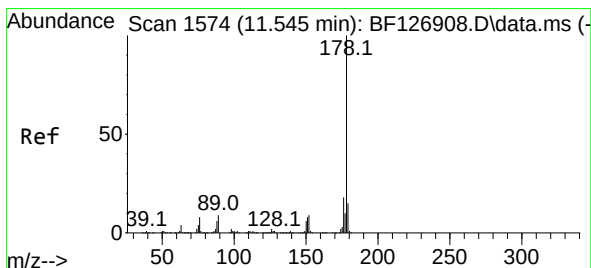
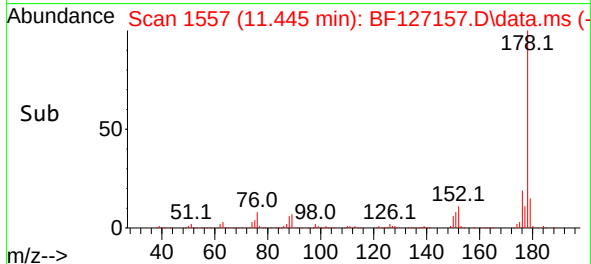
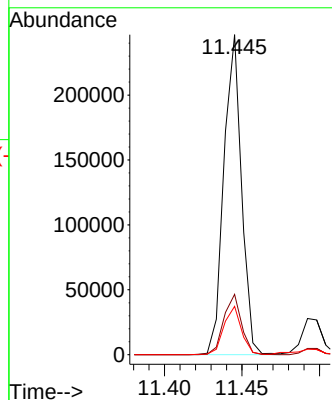
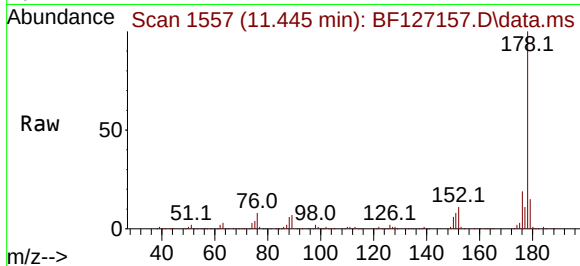




#71
Phenanthrene
Concen: 16.214 ng
RT: 11.445 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127157.D
Acq: 02 Mar 2022 20:04

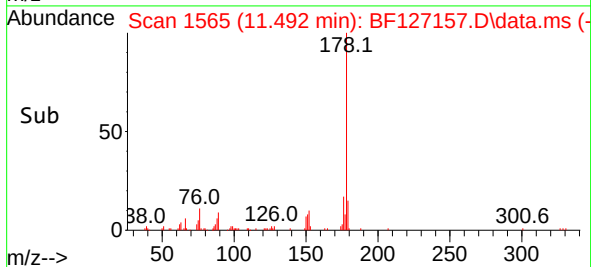
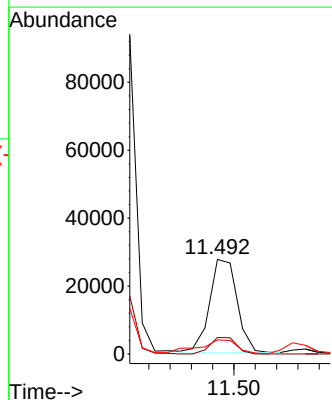
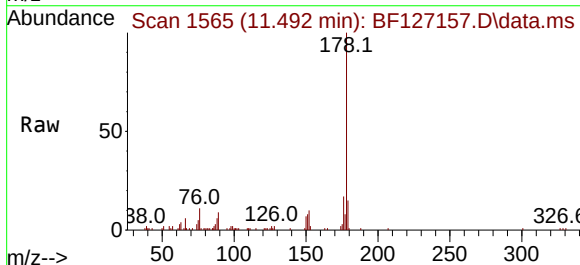
Instrument :
BNA_F
ClientSampleId :
DUM-1

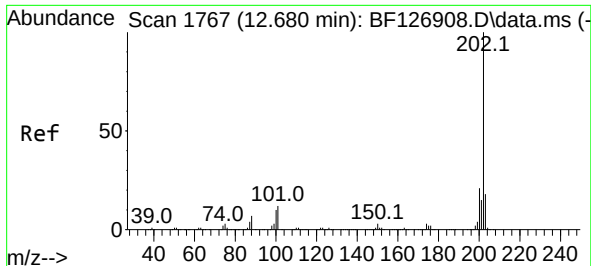
Tgt Ion:178 Resp: 195343
Ion Ratio Lower Upper
178 100
176 18.8 15.7 23.5
179 15.1 12.3 18.5



#72
Anthracene
Concen: 2.078 ng
RT: 11.492 min Scan# 1565
Delta R.T. -0.012 min
Lab File: BF127157.D
Acq: 02 Mar 2022 20:04

Tgt Ion:178 Resp: 24924
Ion Ratio Lower Upper
178 100
176 17.5 15.0 22.6
179 15.0 12.5 18.7

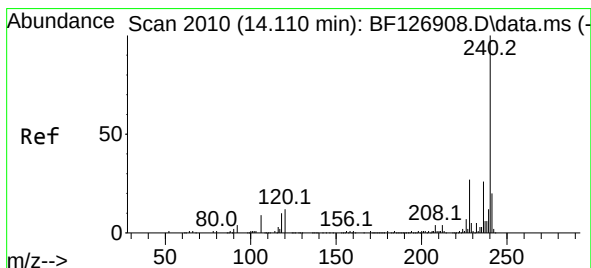
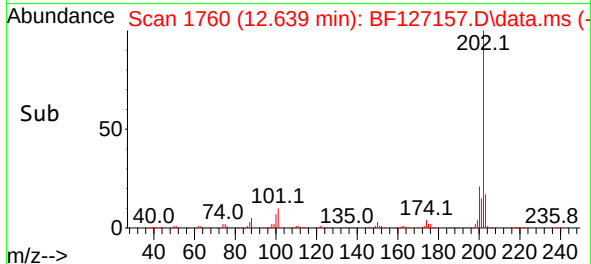
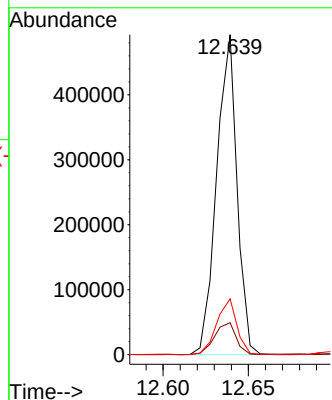
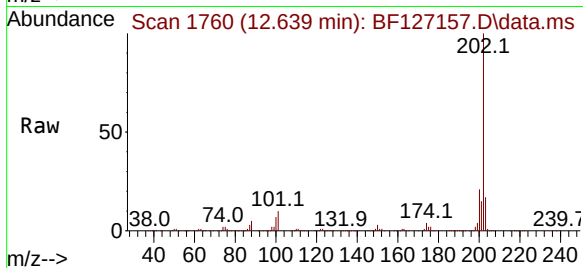




#75
Fluoranthene
Concen: 35.853 ng
RT: 12.639 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127157.D
Acq: 02 Mar 2022 20:04

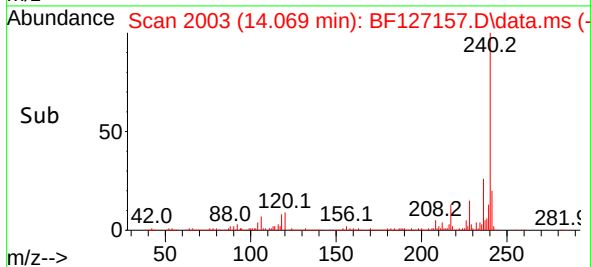
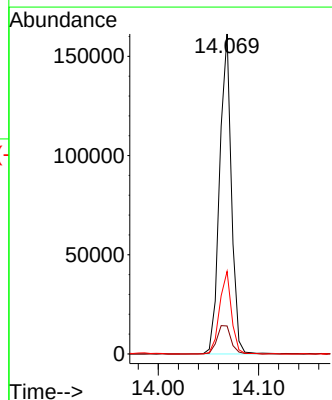
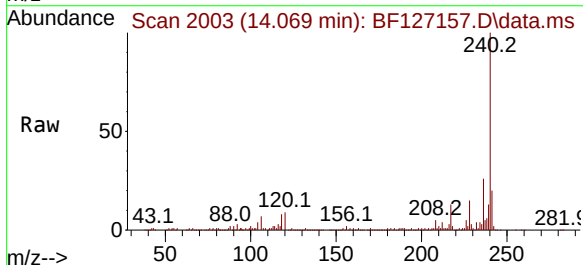
Instrument :
BNA_F
ClientSampleId :
DUM-1

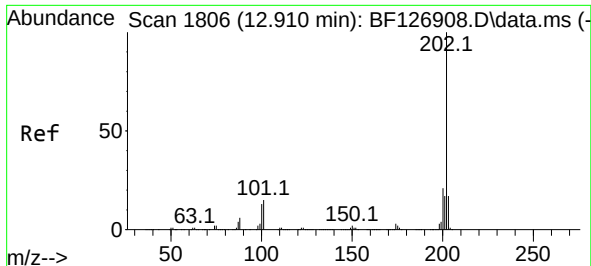
Tgt Ion:202 Resp: 410144
Ion Ratio Lower Upper
202 100
101 10.0 0.0 35.7
203 17.5 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2003
Delta R.T. -0.006 min
Lab File: BF127157.D
Acq: 02 Mar 2022 20:04

Tgt Ion:240 Resp: 130891
Ion Ratio Lower Upper
240 100
120 8.8 14.4 21.6#
236 25.8 20.5 30.7

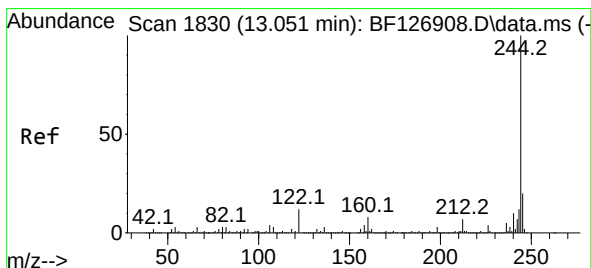
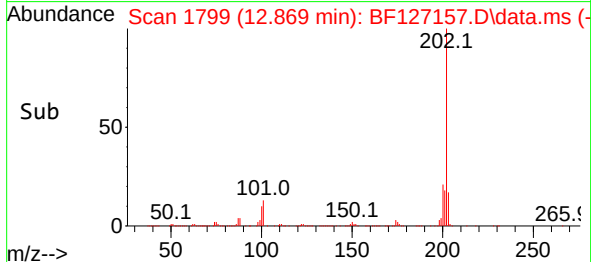
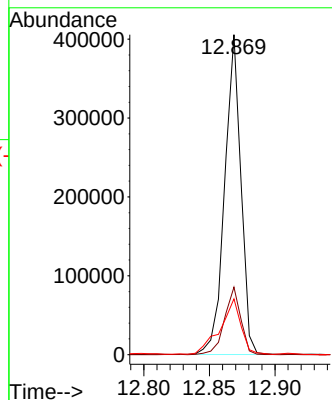
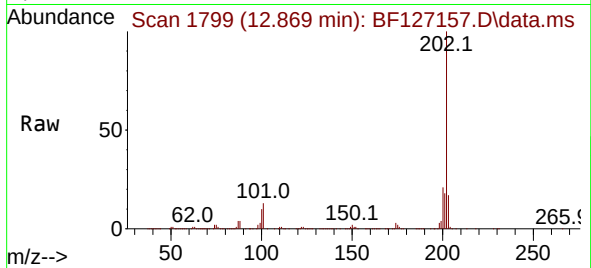




#78
Pyrene
Concen: 30.593 ng
RT: 12.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127157.D
Acq: 02 Mar 2022 20:04

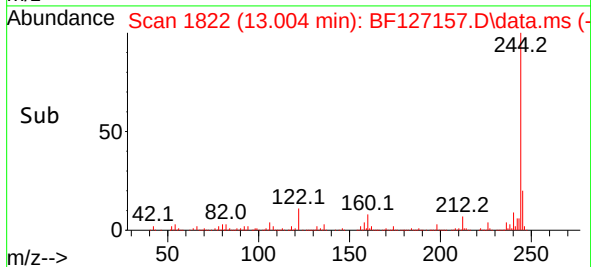
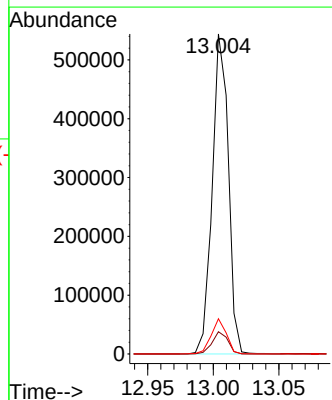
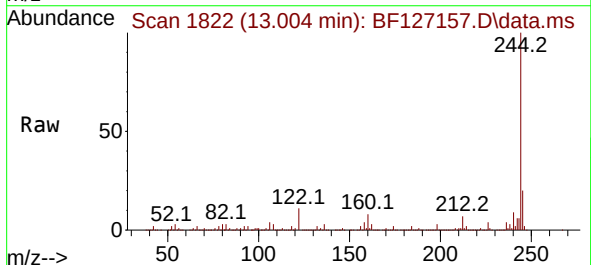
Instrument :
BNA_F
ClientSampleId :
DUM-1

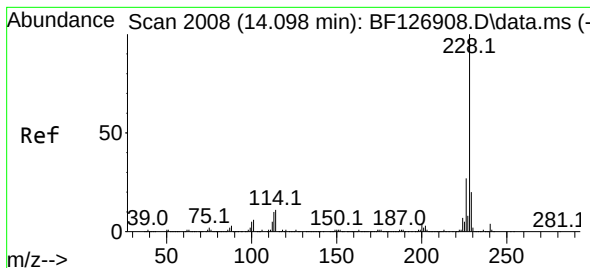
Tgt Ion:202 Resp: 347891
Ion Ratio Lower Upper
202 100
200 21.1 16.6 24.8
203 17.4 13.8 20.8



#79
Terphenyl-d14
Concen: 52.239 ng
RT: 13.004 min Scan# 1822
Delta R.T. -0.012 min
Lab File: BF127157.D
Acq: 02 Mar 2022 20:04

Tgt Ion:244 Resp: 465127
Ion Ratio Lower Upper
244 100
212 6.9 5.0 7.4
122 11.0 13.3 19.9#





#81

Benzo(a)anthracene

Concen: 18.614 ng

RT: 14.057 min Scan# 2001

Delta R.T. -0.006 min

Lab File: BF127157.D

Acq: 02 Mar 2022 20:04

Instrument :

BNA_F

ClientSampleId :

DUM-1

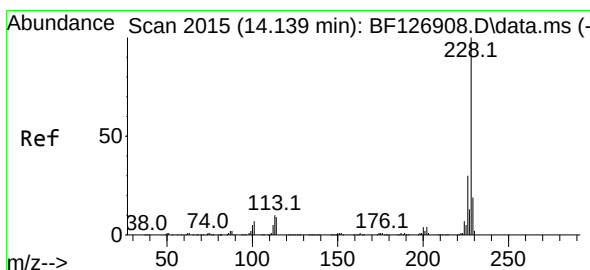
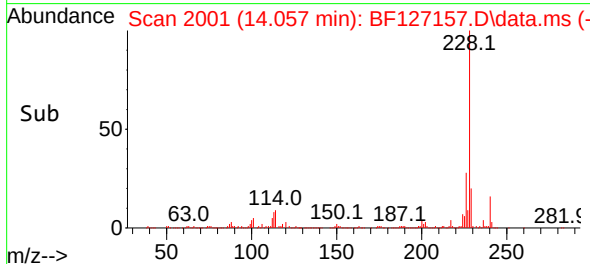
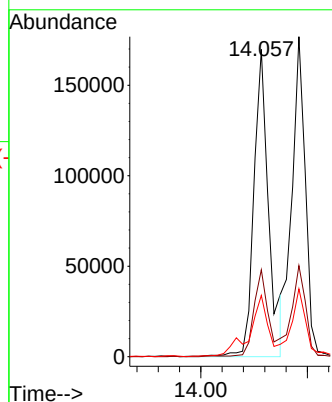
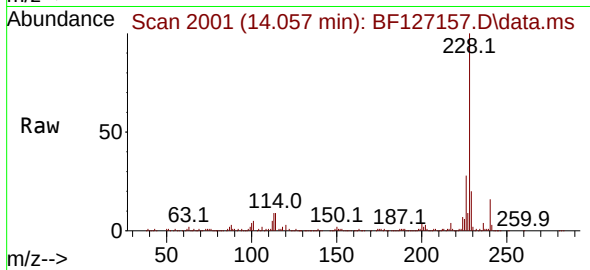
Tgt Ion:228 Resp: 164253

Ion Ratio Lower Upper

228 100

226 28.3 21.4 32.0

229 19.9 15.4 23.2



#83

Chrysene

Concen: 18.631 ng

RT: 14.092 min Scan# 2007

Delta R.T. -0.012 min

Lab File: BF127157.D

Acq: 02 Mar 2022 20:04

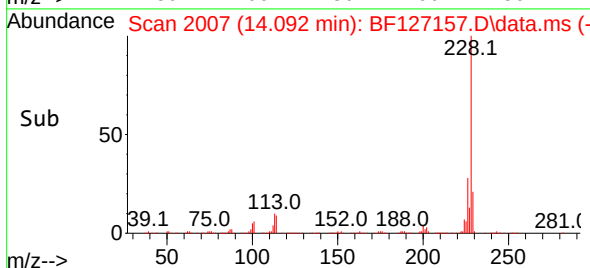
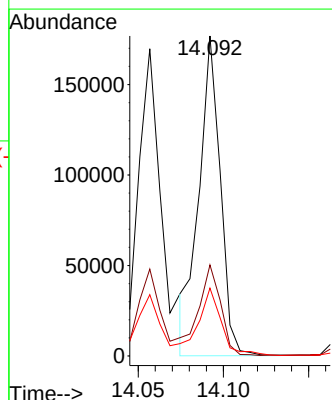
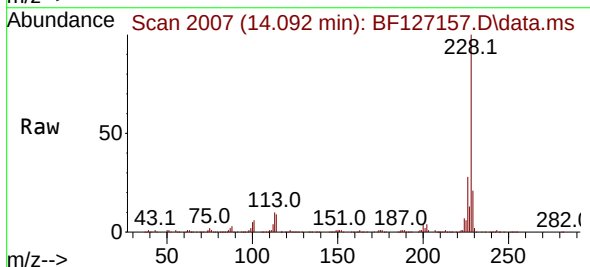
Tgt Ion:228 Resp: 154597

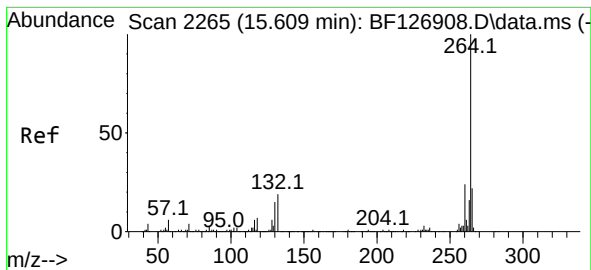
Ion Ratio Lower Upper

228 100

226 28.5 23.7 35.5

229 21.2 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.563 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF127157.D

Acq: 02 Mar 2022 20:04

Instrument :

BNA_F

ClientSampleId :

DUM-1

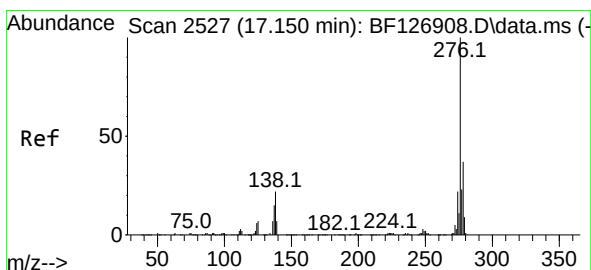
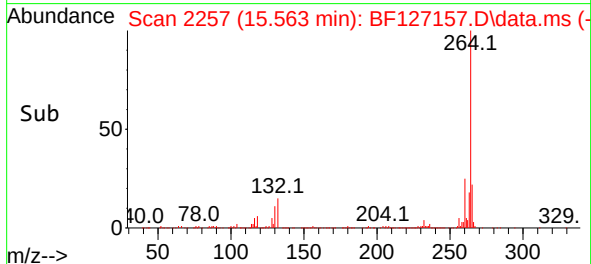
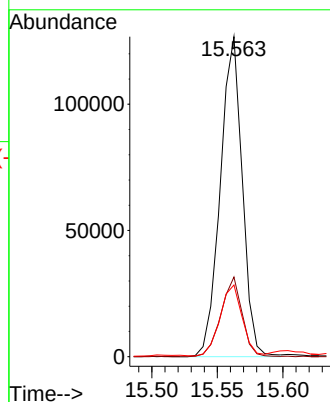
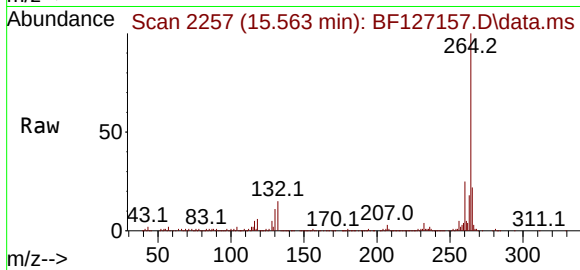
Tgt Ion:264 Resp: 147778

Ion Ratio Lower Upper

264 100

260 24.9 19.2 28.8

265 22.4 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 10.525 ng

RT: 17.068 min Scan# 2513

Delta R.T. -0.018 min

Lab File: BF127157.D

Acq: 02 Mar 2022 20:04

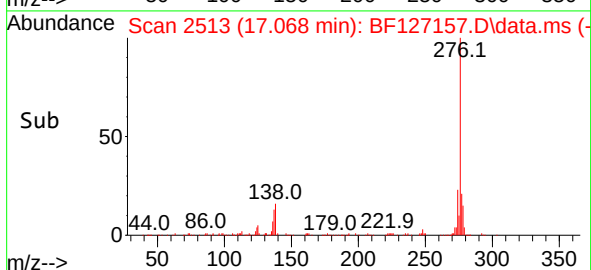
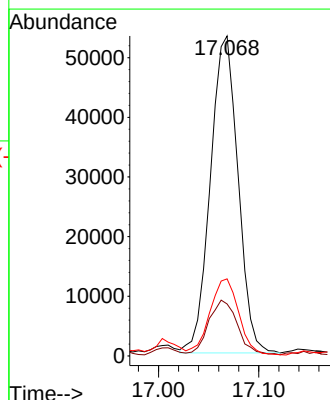
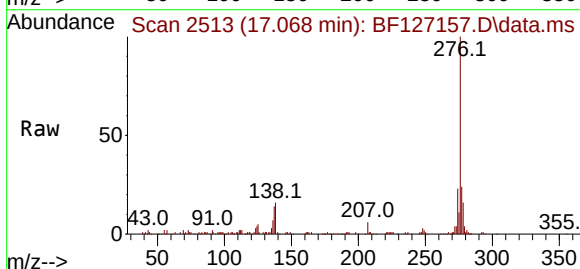
Tgt Ion:276 Resp: 101986

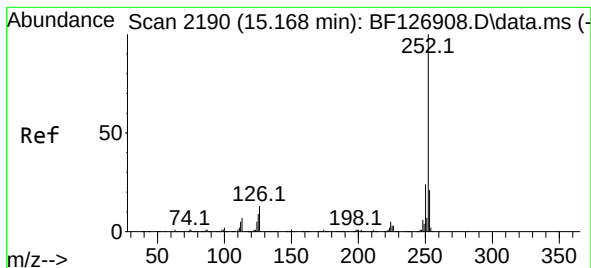
Ion Ratio Lower Upper

276 100

138 18.0 29.2 43.8#

277 25.0 19.8 29.8





#88

Benzo(b)fluoranthene

Concen: 2.717 ng

RT: 15.227 min Scan# 21

Delta R.T. 0.100 min

Lab File: BF127157.D

Acq: 02 Mar 2022 20:04

Instrument :

BNA_F

ClientSampleId :

DUM-1

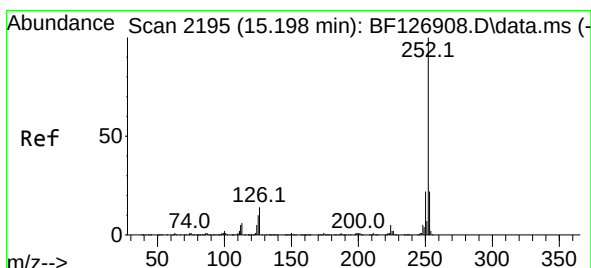
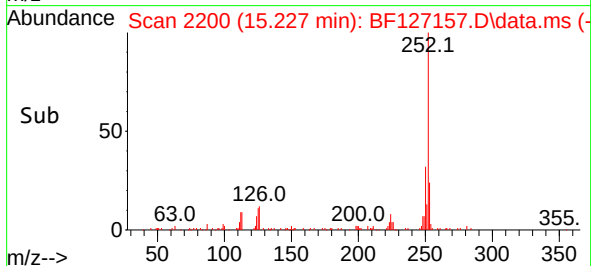
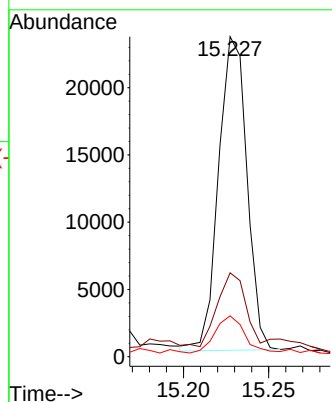
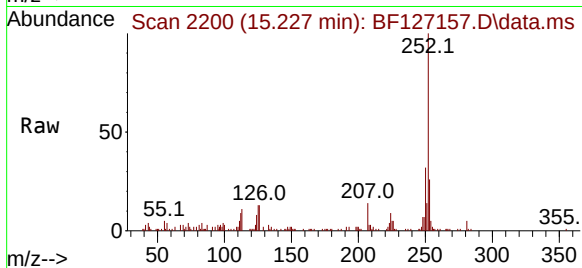
Tgt Ion:252 Resp: 26972

Ion Ratio Lower Upper

252 100

253 26.2 17.8 26.8

125 12.7 12.4 18.6



#89

Benzo(k)fluoranthene

Concen: 2.817 ng

RT: 15.227 min Scan# 2200

Delta R.T. 0.071 min

Lab File: BF127157.D

Acq: 02 Mar 2022 20:04

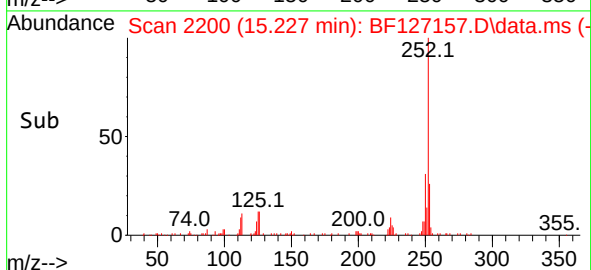
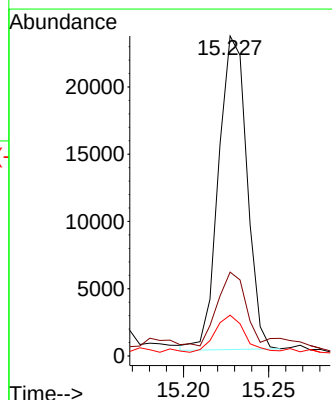
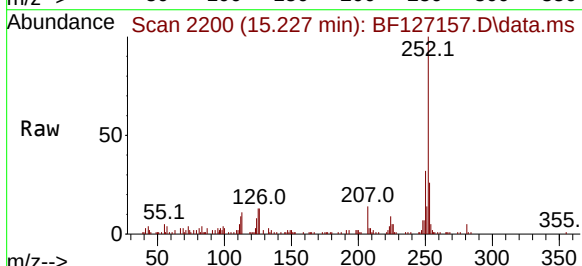
Tgt Ion:252 Resp: 26972

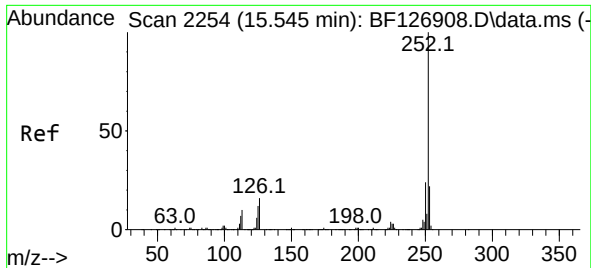
Ion Ratio Lower Upper

252 100

253 26.2 17.5 26.3

125 12.7 11.8 17.6

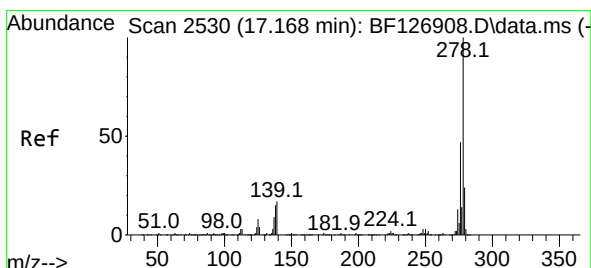
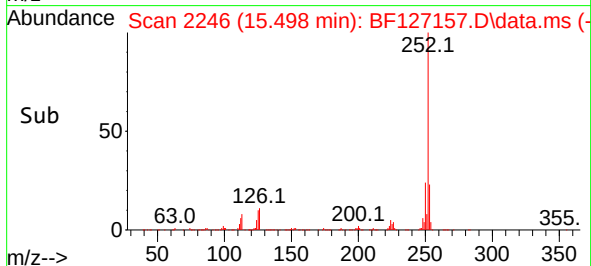
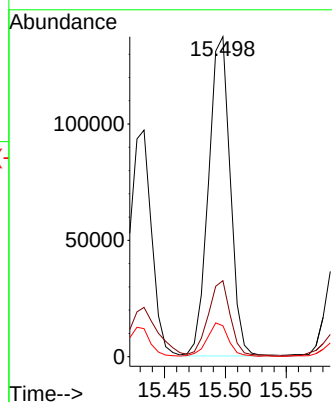
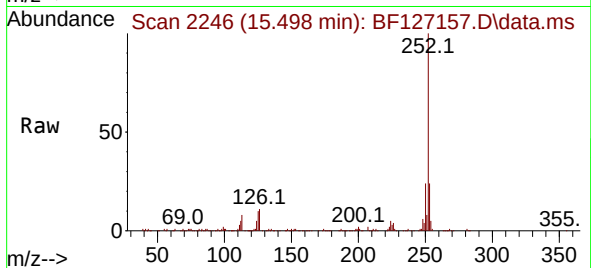




#90
Benzo(a)pyrene
Concen: 21.984 ng
RT: 15.498 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF127157.D
Acq: 02 Mar 2022 20:04

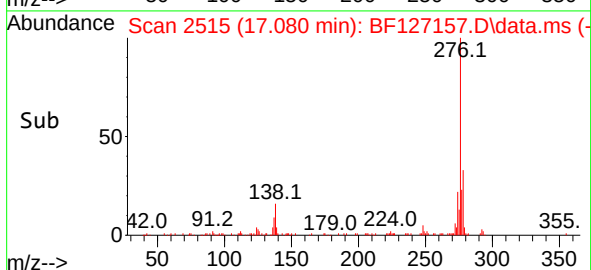
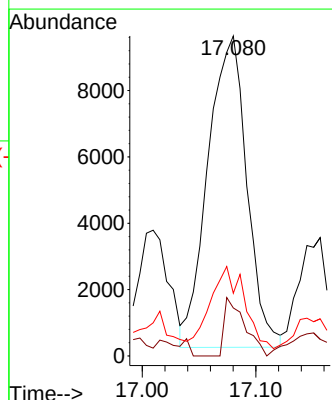
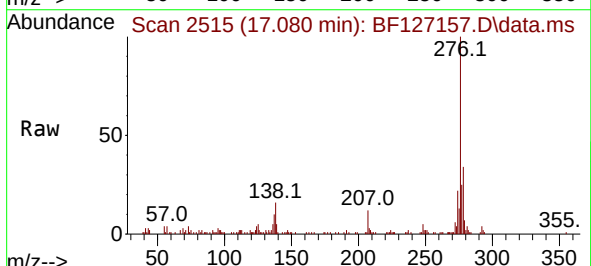
Instrument :
BNA_F
ClientSampleId :
DUM-1

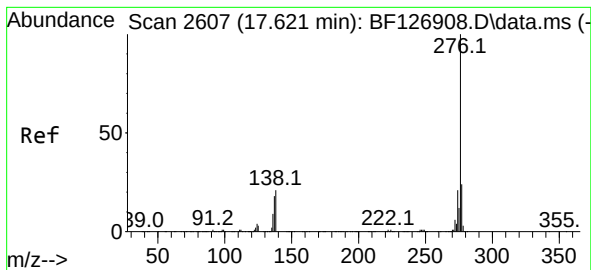
Tgt Ion:252 Resp: 170435
Ion Ratio Lower Upper
252 100
253 23.8 17.1 25.7
125 9.7 13.0 19.6#



#91
Dibenzo(a,h)anthracene
Concen: 2.785 ng
RT: 17.080 min Scan# 2515
Delta R.T. -0.023 min
Lab File: BF127157.D
Acq: 02 Mar 2022 20:04

Tgt Ion:278 Resp: 22322
Ion Ratio Lower Upper
278 100
139 15.0 18.0 27.0#
279 19.6 18.6 27.8





#92

Benzo(g,h,i)perylene

Concen: 12.107 ng

RT: 17.527 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF127157.D

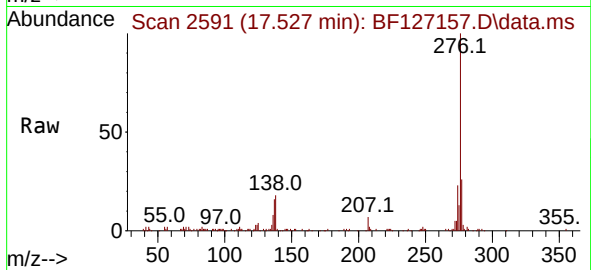
Acq: 02 Mar 2022 20:04

Instrument :

BNA_F

ClientSampleId :

DUM-1



Tgt Ion:276 Resp: 95656

Ion Ratio Lower Upper

276 100

277 25.7 18.5 27.7

138 18.1 25.9 38.9#

