

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030322\
 Data File : BF127182.D
 Acq On : 03 Mar 2022 20:28
 Operator : CG\JU
 Sample : N1751-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUM-11

Quant Time: Mar 04 02:14:54 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)

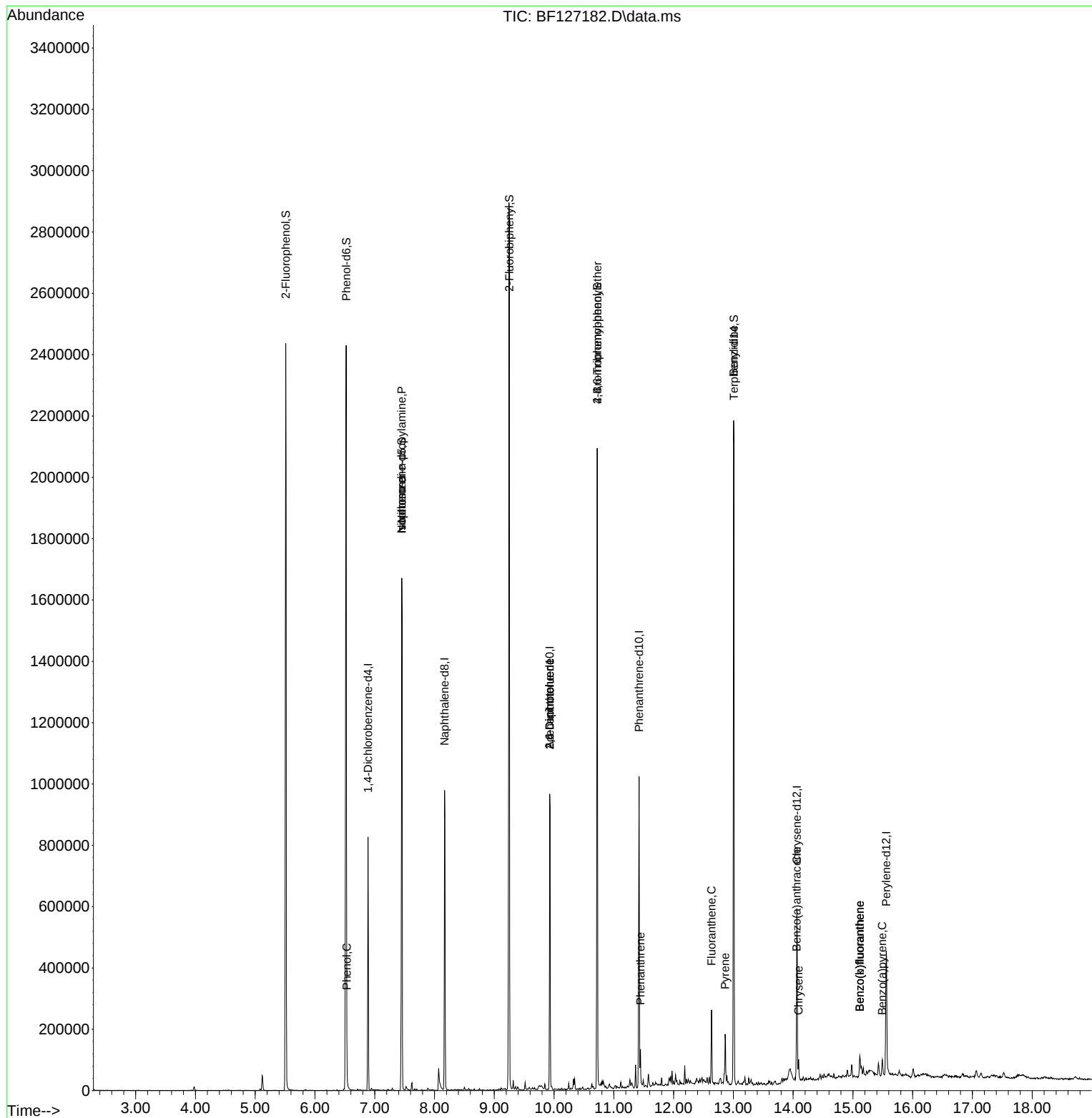
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	103453	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	418043	20.000	ng	# 0.00
39) Acenaphthene-d10	9.928	164	191200	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	322868	20.000	ng	# 0.00
76) Chrysene-d12	14.063	240	164179	20.000	ng	#-0.01
86) Perylene-d12	15.557	264	178971	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	620878	92.758	ng	0.00
7) Phenol-d6	6.522	99	826601	91.520	ng	0.00
23) Nitrobenzene-d5	7.451	82	565917	61.104	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	223764	101.646	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	902143	69.461	ng	0.00
79) Terphenyl-d14	13.010	244	745571	66.758	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.534	94	32866	3.601	ng	90
19) n-Nitroso-di-n-propyla...	7.451	70	78275	13.450	ng	# 76
25) Isophorone	7.451	82	565905	36.926	ng	# 69
51) 2,6-Dinitrotoluene	9.928	165	24635	8.860	ng	# 21
57) 2,4-Dinitrotoluene	9.928	165	24635	6.553	ng	# 15
67) 4-Bromophenyl-phenylether	10.722	248	12635	3.503	ng	# 1
71) Phenanthrene	11.445	178	36992	2.047	ng	97
75) Fluoranthene	12.633	202	77735	4.530	ng	95
77) Benzidine	13.004	184	11656	2.612	ng	97
78) Pyrene	12.863	202	61271	4.296	ng	99
81) Benzo(a)anthracene	14.057	228	25240	2.280	ng	96
83) Chrysene	14.092	228	25499	2.450	ng	97
88) Benzo(b)fluoranthene	15.116	252	45276	3.767	ng	# 94
89) Benzo(k)fluoranthene	15.116	252	45276	3.905	ng	# 96
90) Benzo(a)pyrene	15.492	252	23654	2.519	ng	96

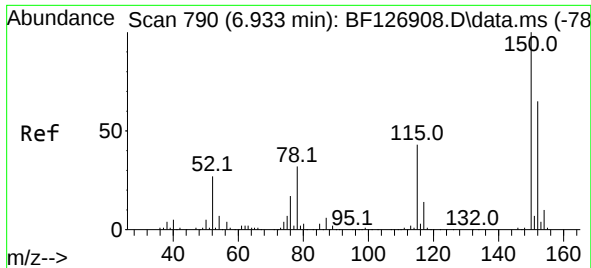
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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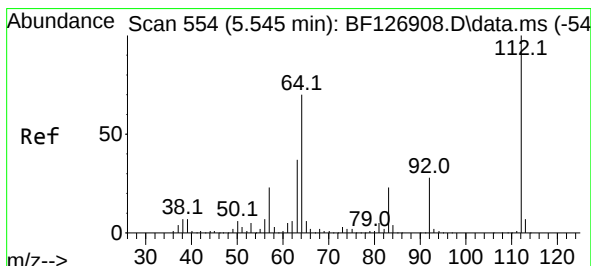
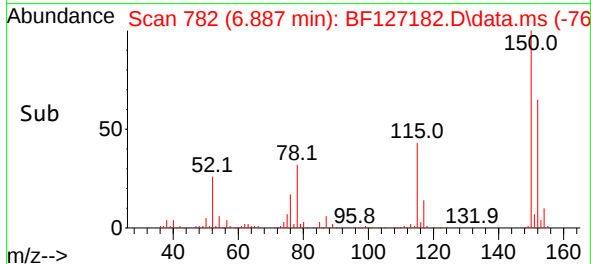
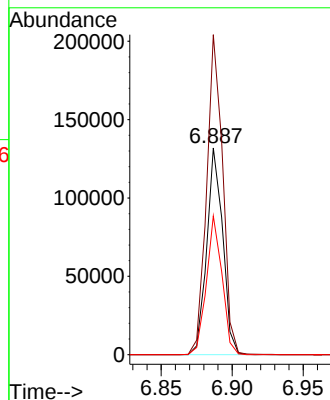
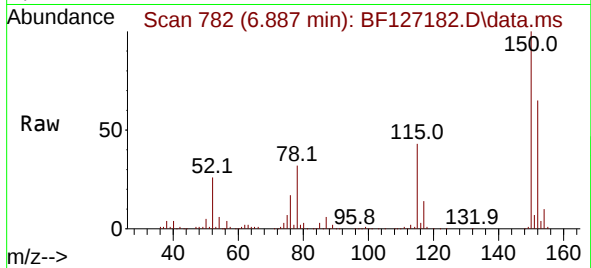




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.887 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BF127182.D
 Acq: 03 Mar 2022 20:28

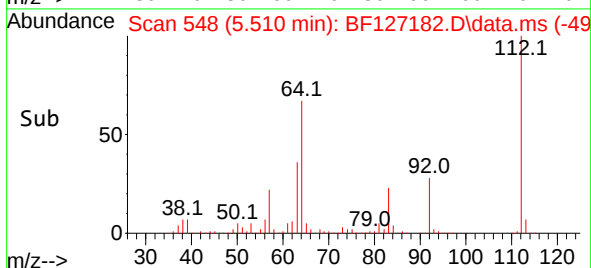
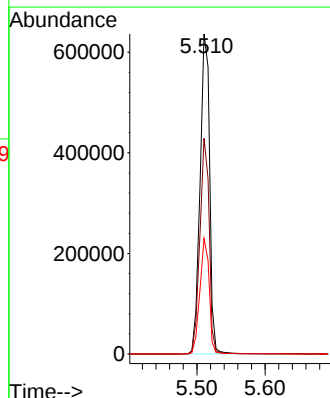
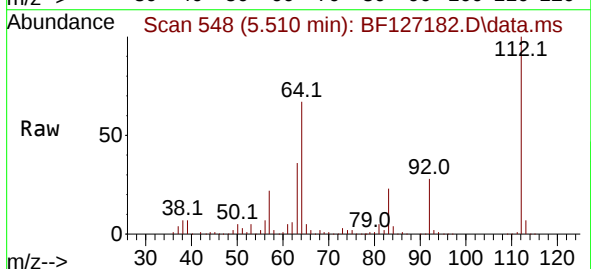
Instrument :
 BNA_F
 ClientSampleId :
 DUM-11

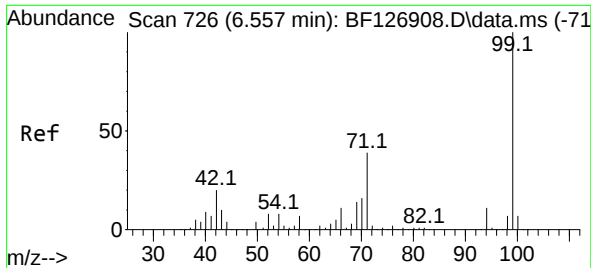
Tgt Ion:152 Resp: 103453
 Ion Ratio Lower Upper
 152 100
 150 154.8 128.1 192.1
 115 67.1 56.7 85.1



#5
 2-Fluorophenol
 Concen: 92.758 ng
 RT: 5.510 min Scan# 548
 Delta R.T. 0.000 min
 Lab File: BF127182.D
 Acq: 03 Mar 2022 20:28

Tgt Ion:112 Resp: 620878
 Ion Ratio Lower Upper
 112 100
 64 67.4 49.5 74.3
 63 36.1 23.9 35.9#





#7

Phenol-d6

Concen: 91.520 ng

RT: 6.522 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF127182.D

Acq: 03 Mar 2022 20:28

Instrument :

BNA_F

ClientSampleId :

DUM-11

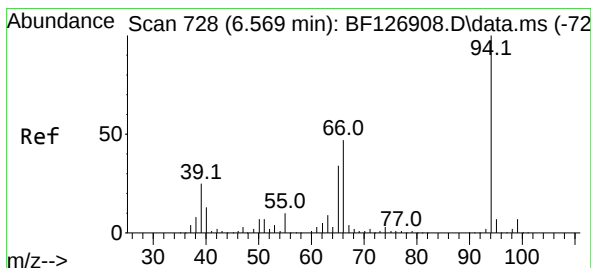
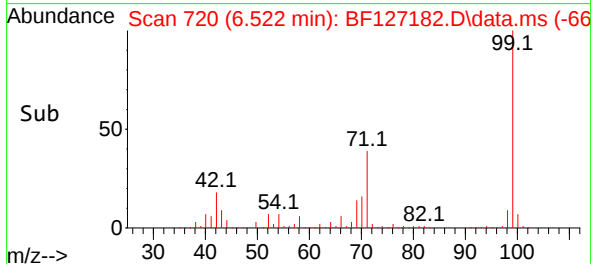
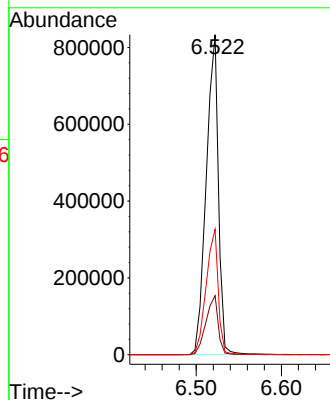
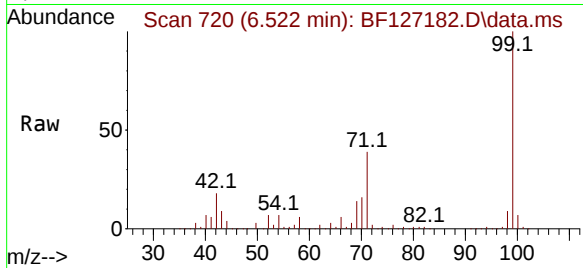
Tgt Ion: 99 Resp: 826601

Ion Ratio Lower Upper

99 100

42 18.4 14.2 21.4

71 39.2 24.3 36.5#



#10

Phenol

Concen: 3.601 ng

RT: 6.534 min Scan# 722

Delta R.T. -0.006 min

Lab File: BF127182.D

Acq: 03 Mar 2022 20:28

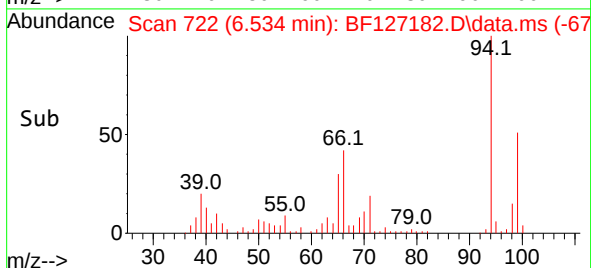
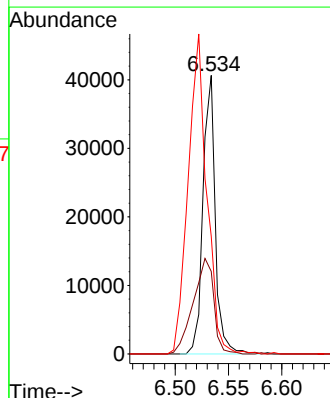
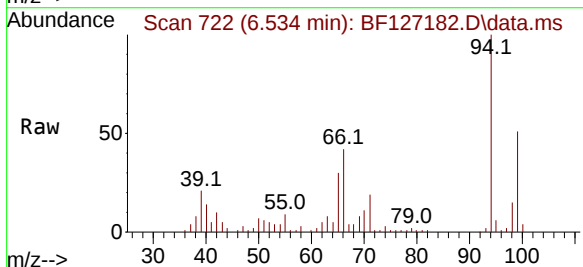
Tgt Ion: 94 Resp: 32866

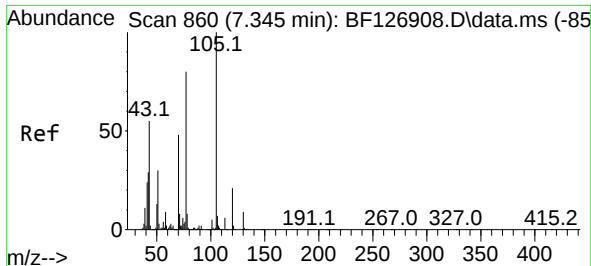
Ion Ratio Lower Upper

94 100

65 29.6 7.2 47.2

66 42.3 14.5 54.5



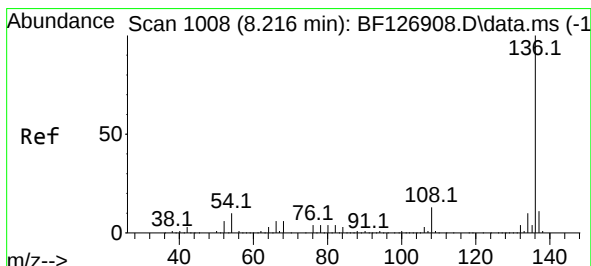
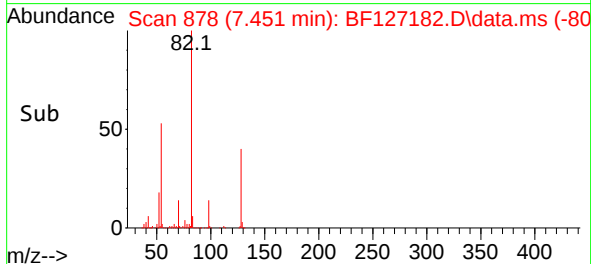
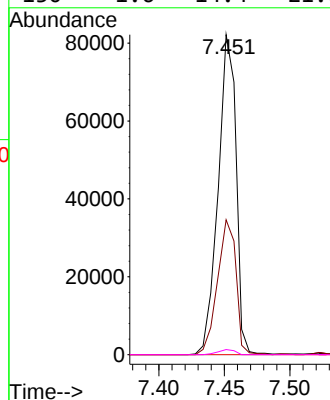
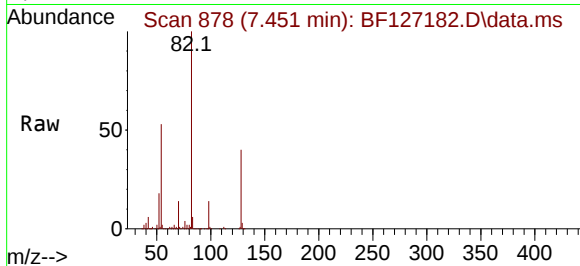


#19
n-Nitroso-di-n-propylamine
Concen: 13.450 ng
RT: 7.451 min Scan# 81
Delta R.T. 0.147 min
Lab File: BF127182.D
Acq: 03 Mar 2022 20:28

Instrument :
BNA_F
ClientSampleId :
DUM-11

Tgt Ion: 70 Resp: 78275

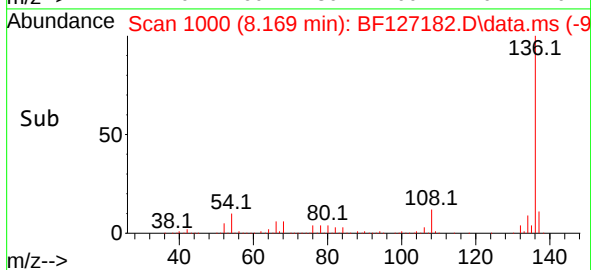
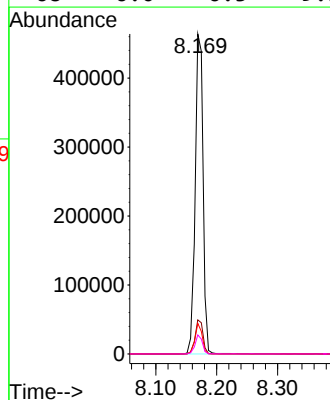
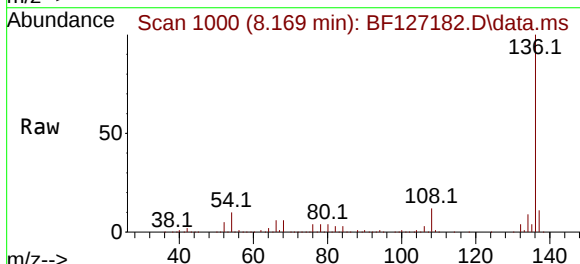
Ion	Ratio	Lower	Upper
70	100		
42	42.2	45.8	68.8#
101	0.0	6.9	10.3#
130	1.6	14.4	21.6#

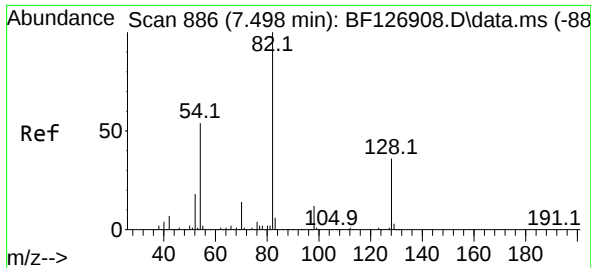


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1000
Delta R.T. -0.006 min
Lab File: BF127182.D
Acq: 03 Mar 2022 20:28

Tgt Ion: 136 Resp: 418043

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	9.5	7.8	11.6
68	6.0	6.3	9.5#





#23

Nitrobenzene-d5

Concen: 61.104 ng

RT: 7.451 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF127182.D

Acq: 03 Mar 2022 20:28

Instrument :

BNA_F

ClientSampleId :

DUM-11

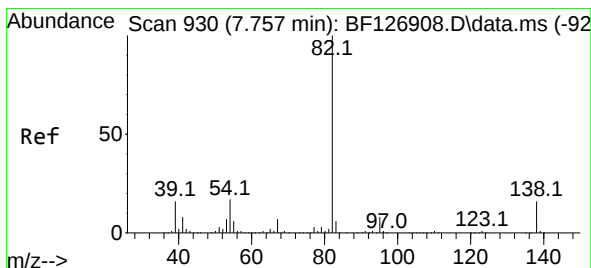
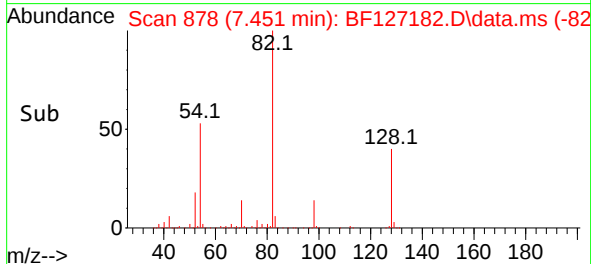
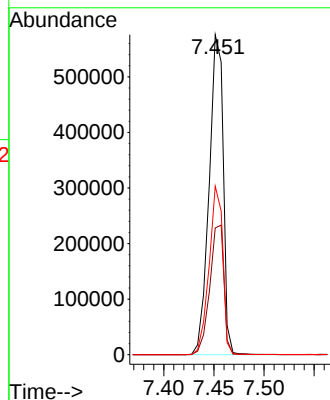
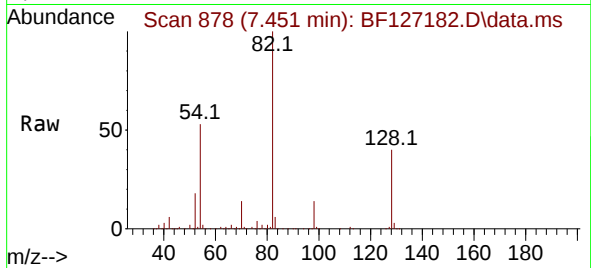
Tgt Ion: 82 Resp: 565917

Ion Ratio Lower Upper

82 100

128 39.6 32.7 49.1

54 52.7 41.7 62.5



#25

Isophorone

Concen: 36.926 ng

RT: 7.451 min Scan# 878

Delta R.T. -0.265 min

Lab File: BF127182.D

Acq: 03 Mar 2022 20:28

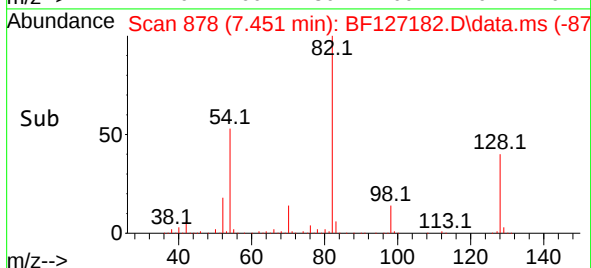
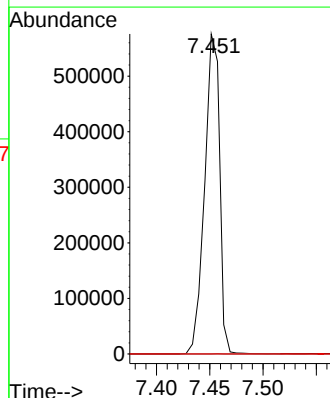
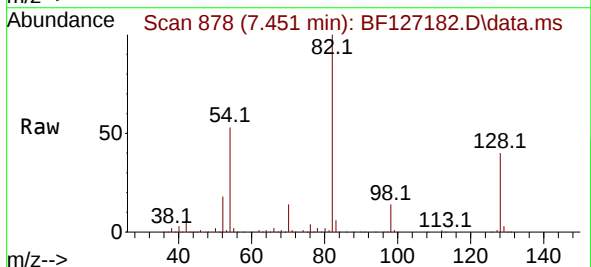
Tgt Ion: 82 Resp: 565905

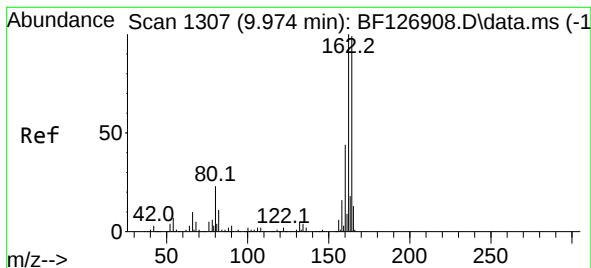
Ion Ratio Lower Upper

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# 1

Delta R.T. -0.012 min

Lab File: BF127182.D

Acq: 03 Mar 2022 20:28

Instrument :

BNA_F

ClientSampleId :

DUM-11

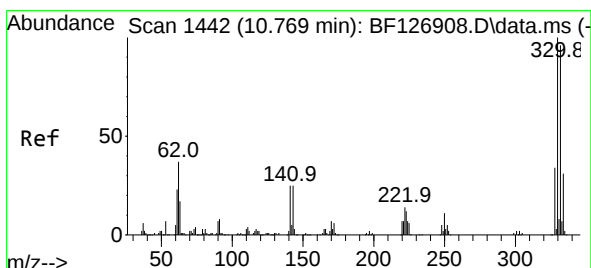
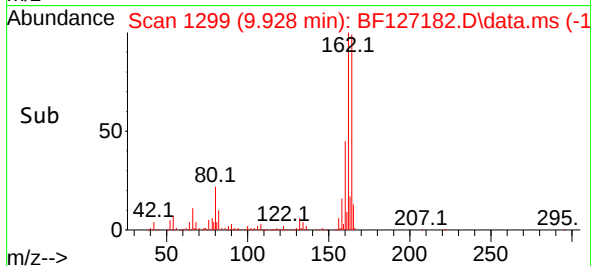
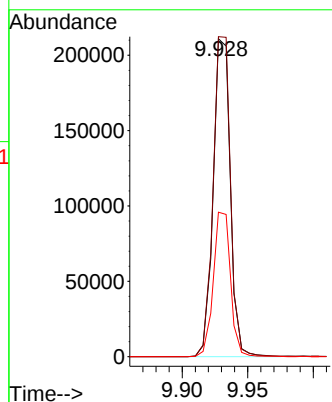
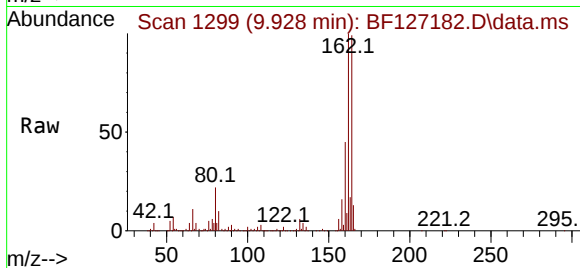
Tgt Ion:164 Resp: 191200

Ion Ratio Lower Upper

164 100

162 100.7 81.4 122.0

160 45.4 36.6 54.8



#42

2,4,6-Tribromophenol

Concen: 101.646 ng

RT: 10.722 min Scan# 1434

Delta R.T. -0.006 min

Lab File: BF127182.D

Acq: 03 Mar 2022 20:28

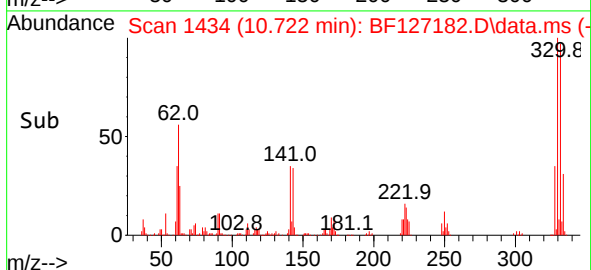
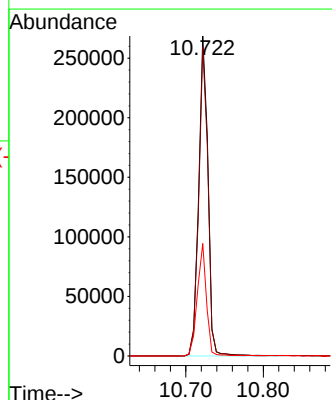
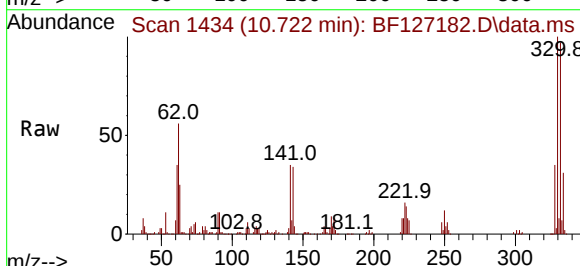
Tgt Ion:330 Resp: 223764

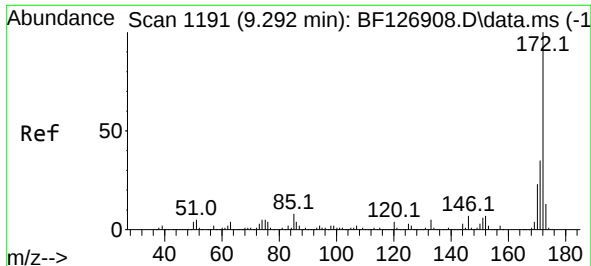
Ion Ratio Lower Upper

330 100

332 96.1 76.0 114.0

141 34.5 30.1 45.1

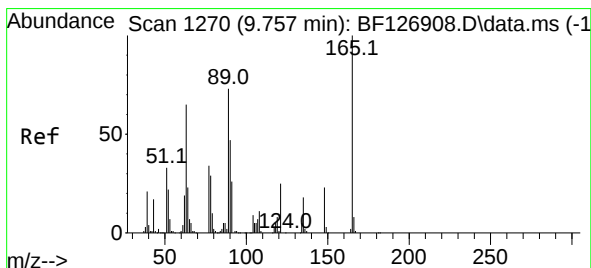
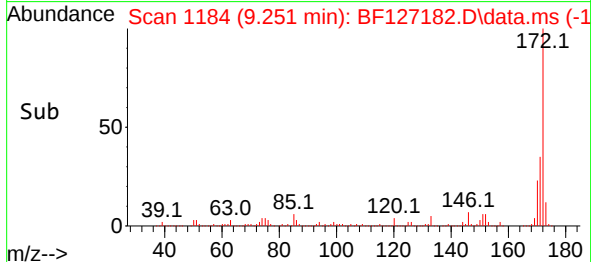
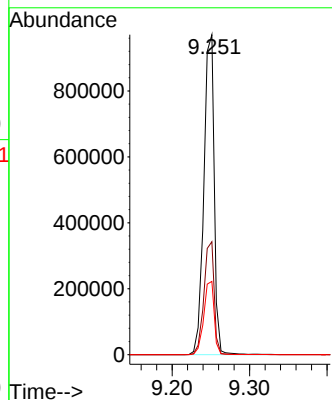
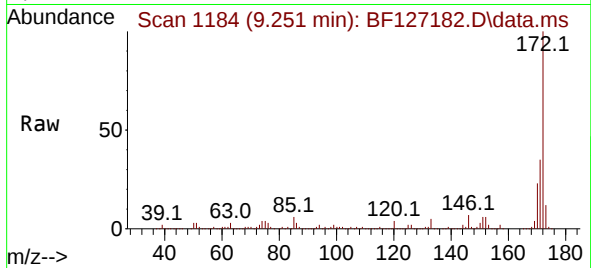




#45
2-Fluorobiphenyl
Concen: 69.461 ng
RT: 9.251 min Scan# 1191
Delta R.T. 0.000 min
Lab File: BF127182.D
Acq: 03 Mar 2022 20:28

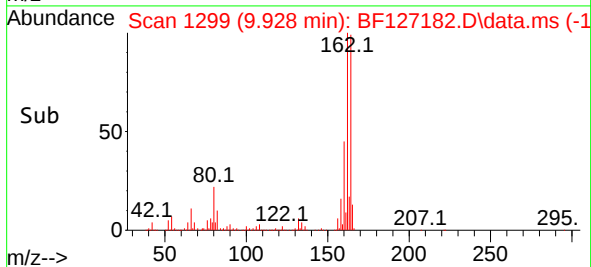
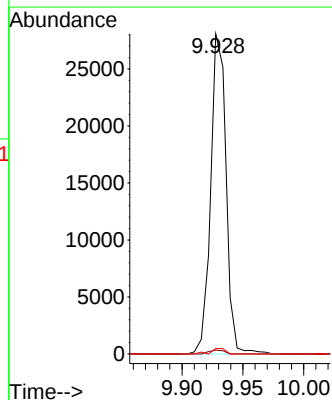
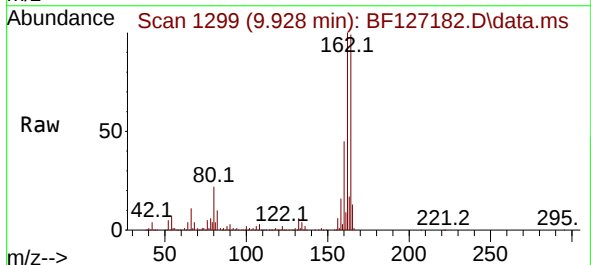
Instrument :
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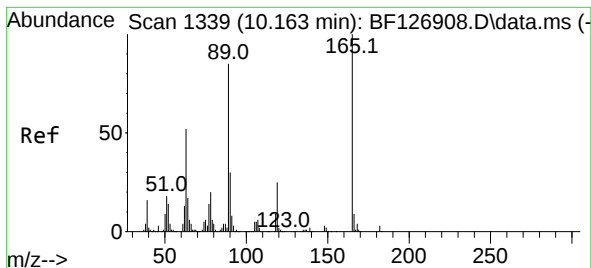
Tgt Ion:172 Resp: 902143
Ion Ratio Lower Upper
172 100
171 35.3 28.3 42.5
170 22.9 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 8.860 ng
RT: 9.928 min Scan# 1299
Delta R.T. 0.206 min
Lab File: BF127182.D
Acq: 03 Mar 2022 20:28

Tgt Ion:165 Resp: 24635
Ion Ratio Lower Upper
165 100
63 1.2 48.4 72.6#
89 1.7 50.5 75.7#

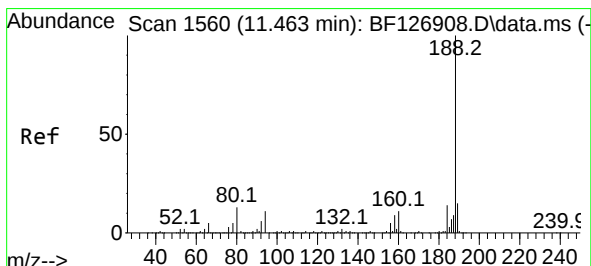
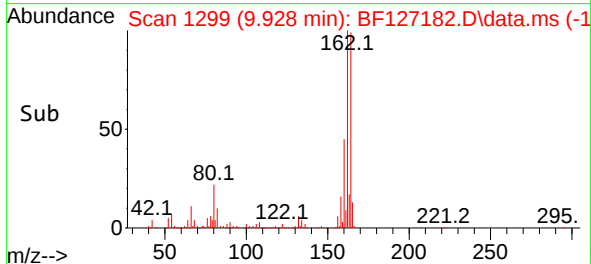
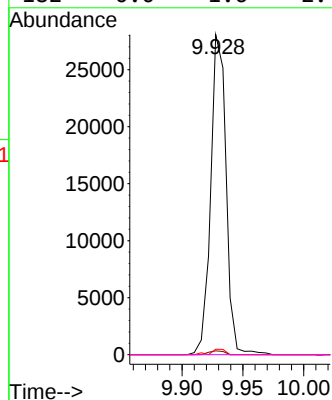
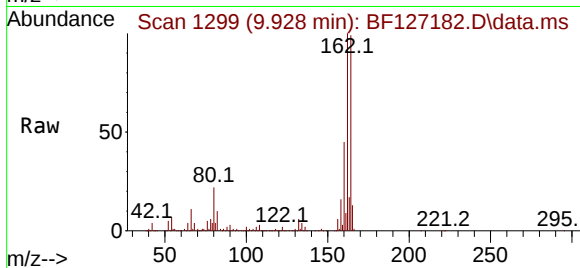




#57
2,4-Dinitrotoluene
Concen: 6.553 ng
RT: 9.928 min Scan# 1153
Delta R.T. -0.200 min
Lab File: BF127182.D
Acq: 03 Mar 2022 20:28

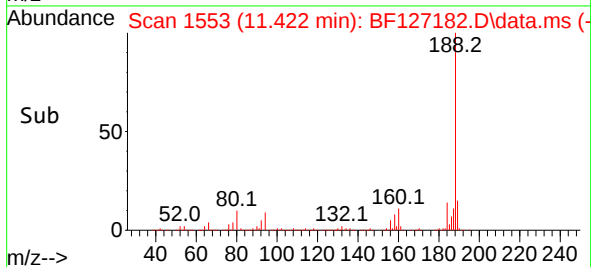
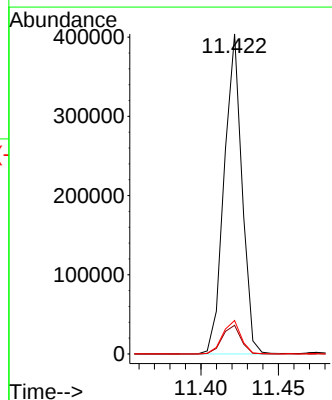
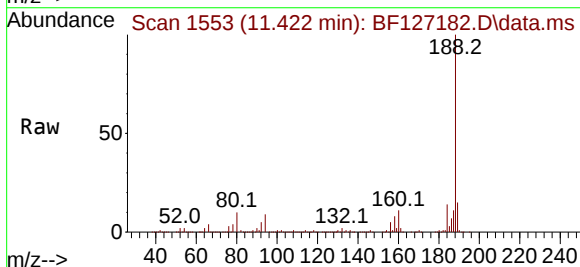
Instrument :
BNA_F
ClientSampleId :
DUM-11

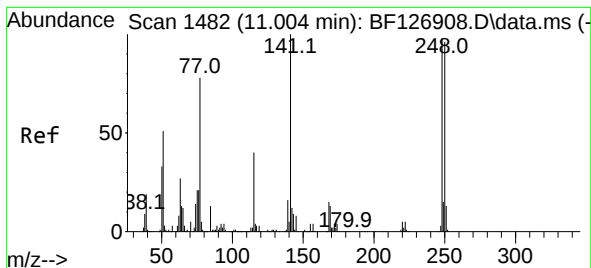
Tgt Ion:165 Resp: 24635
Ion Ratio Lower Upper
165 100
63 1.2 43.0 64.6#
89 1.7 71.0 106.4#
182 0.0 1.6 2.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1553
Delta R.T. -0.006 min
Lab File: BF127182.D
Acq: 03 Mar 2022 20:28

Tgt Ion:188 Resp: 322868
Ion Ratio Lower Upper
188 100
94 9.0 10.1 15.1#
80 10.5 11.8 17.6#

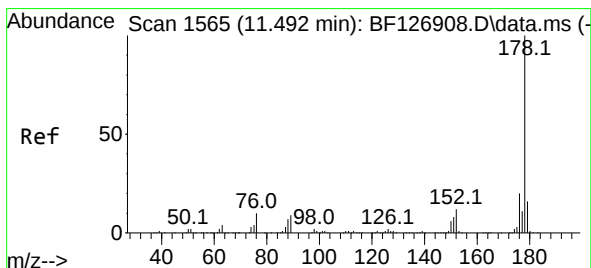
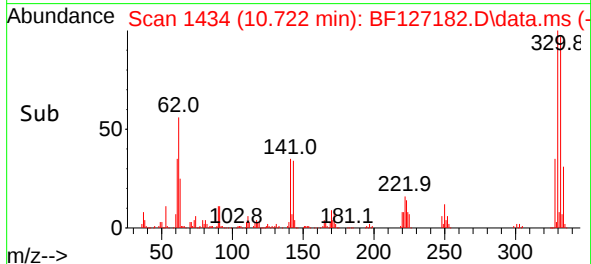
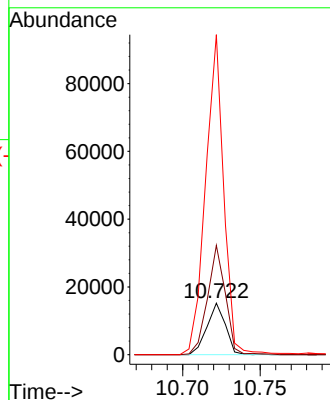
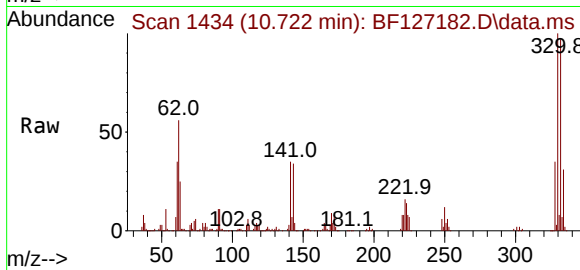




#67
4-Bromophenyl-phenylether
Concen: 3.503 ng
RT: 10.722 min Scan# 1482
Delta R.T. -0.247 min
Lab File: BF127182.D
Acq: 03 Mar 2022 20:28

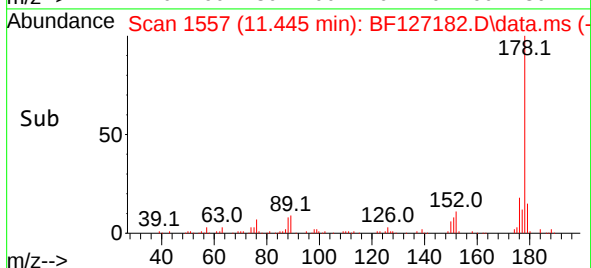
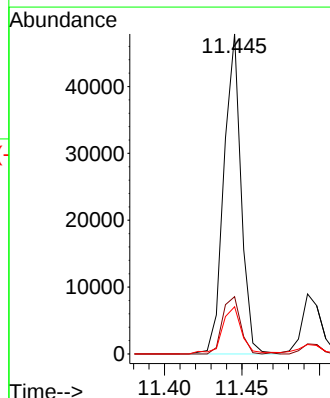
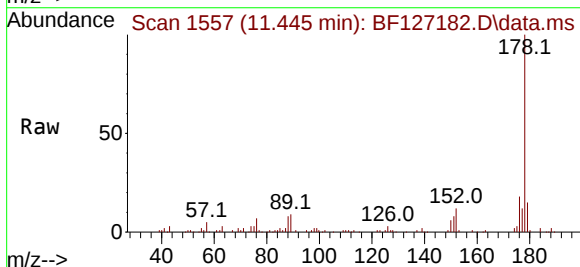
Instrument :
BNA_F
ClientSampleId :
DUM-11

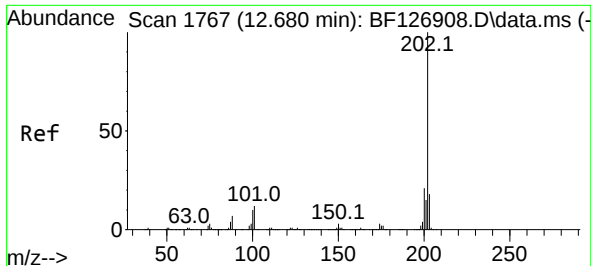
Tgt Ion:248 Resp: 12635
Ion Ratio Lower Upper
248 100
250 212.0 76.2 114.4#
141 621.0 66.2 99.4#



#71
Phenanthrene
Concen: 2.047 ng
RT: 11.445 min Scan# 1557
Delta R.T. -0.006 min
Lab File: BF127182.D
Acq: 03 Mar 2022 20:28

Tgt Ion:178 Resp: 36992
Ion Ratio Lower Upper
178 100
176 17.9 15.7 23.5
179 14.8 12.3 18.5

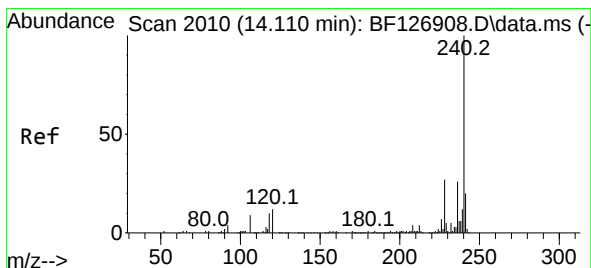
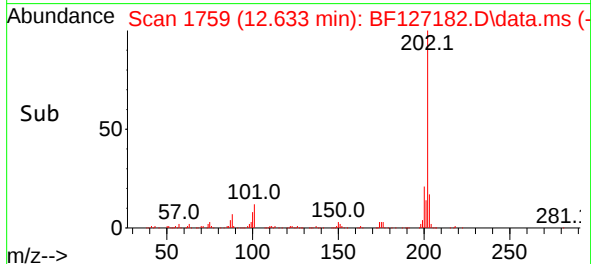
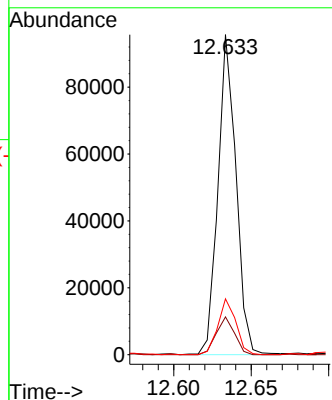
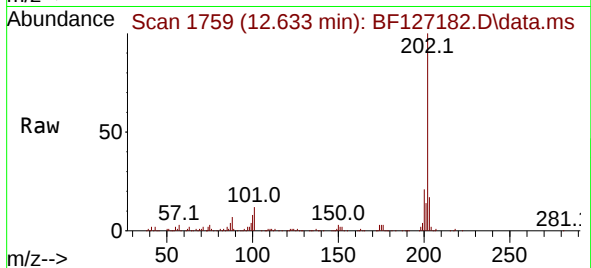




#75
Fluoranthene
Concen: 4.530 ng
RT: 12.633 min Scan# 1759
Delta R.T. -0.012 min
Lab File: BF127182.D
Acq: 03 Mar 2022 20:28

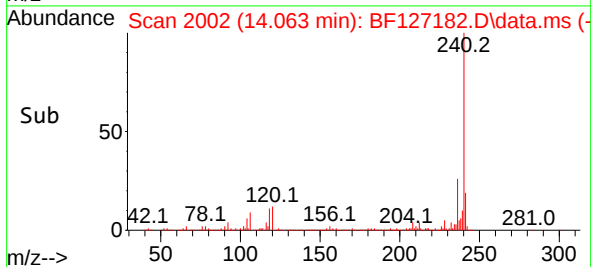
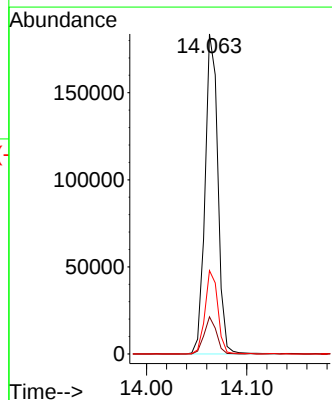
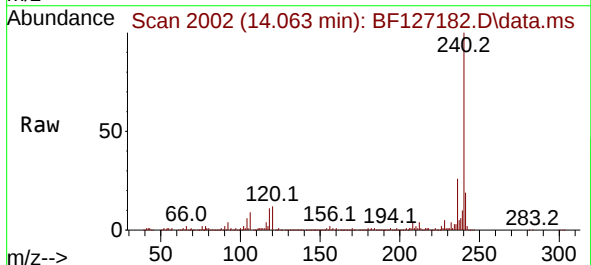
Instrument :
BNA_F
ClientSampleId :
DUM-11

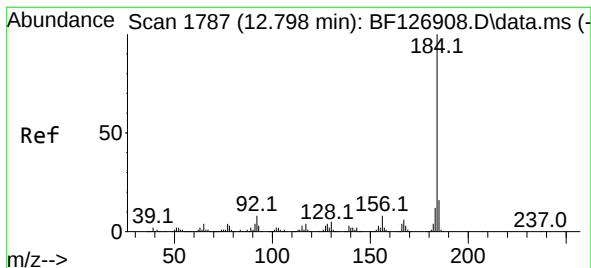
Tgt Ion:202 Resp: 77735
Ion Ratio Lower Upper
202 100
101 11.8 0.0 35.7
203 17.4 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2002
Delta R.T. -0.012 min
Lab File: BF127182.D
Acq: 03 Mar 2022 20:28

Tgt Ion:240 Resp: 164179
Ion Ratio Lower Upper
240 100
120 11.6 14.4 21.6#
236 26.1 20.5 30.7





#77

Benzidine

Concen: 2.612 ng

RT: 13.004 min Scan# 11

Delta R.T. 0.241 min

Lab File: BF127182.D

Acq: 03 Mar 2022 20:28

Instrument :

BNA_F

ClientSampleId :

DUM-11

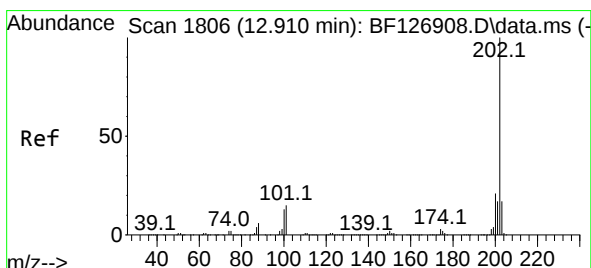
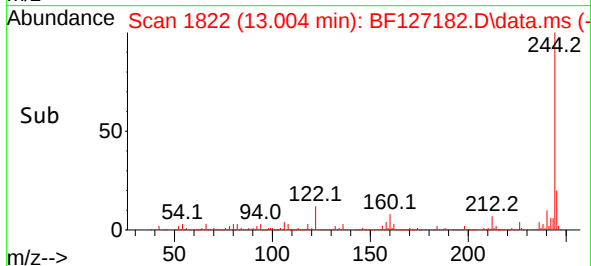
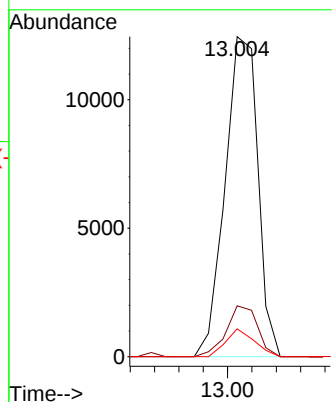
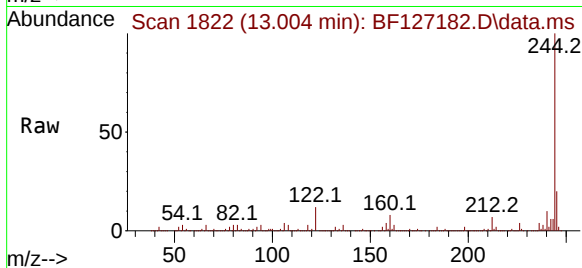
Tgt Ion:184 Resp: 11656

Ion Ratio Lower Upper

184 100

185 15.9 11.8 17.8

183 8.7 8.2 12.2



#78

Pyrene

Concen: 4.296 ng

RT: 12.863 min Scan# 1798

Delta R.T. -0.012 min

Lab File: BF127182.D

Acq: 03 Mar 2022 20:28

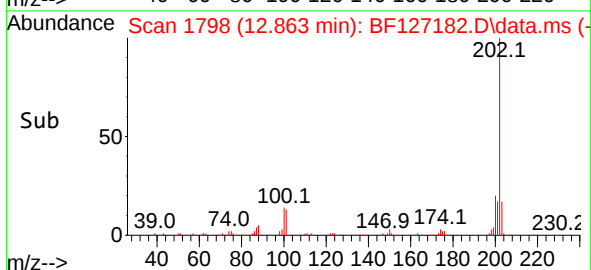
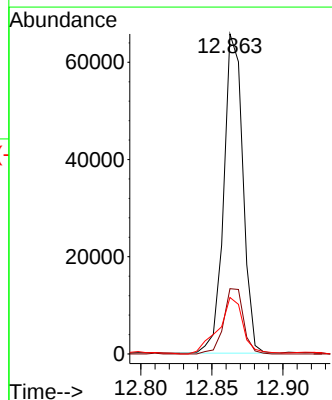
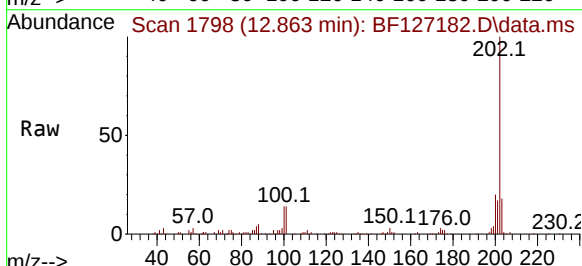
Tgt Ion:202 Resp: 61271

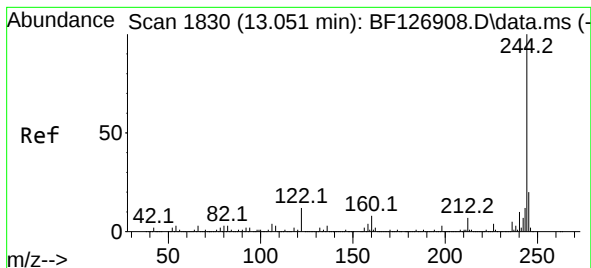
Ion Ratio Lower Upper

202 100

200 20.4 16.6 24.8

203 17.7 13.8 20.8





#79

Terphenyl-d14

Concen: 66.758 ng

RT: 13.010 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF127182.D

Acq: 03 Mar 2022 20:28

Instrument :

BNA_F

ClientSampleId :

DUM-11

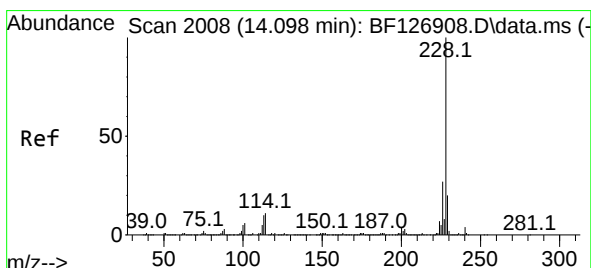
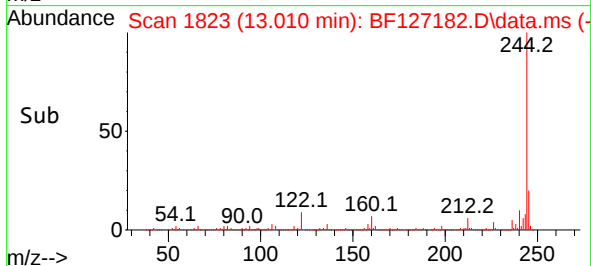
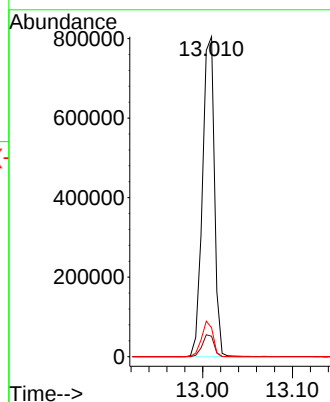
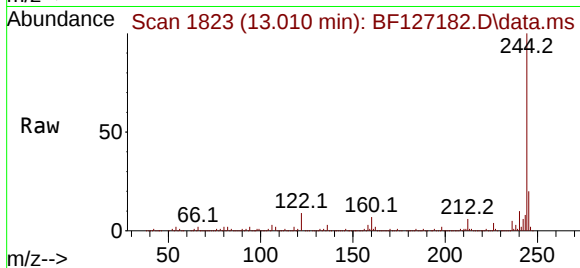
Tgt Ion:244 Resp: 745571

Ion Ratio Lower Upper

244 100

212 6.4 5.0 7.4

122 9.1 13.3 19.9#



#81

Benzo(a)anthracene

Concen: 2.280 ng

RT: 14.057 min Scan# 2001

Delta R.T. -0.006 min

Lab File: BF127182.D

Acq: 03 Mar 2022 20:28

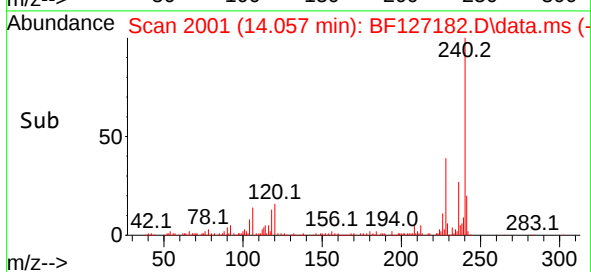
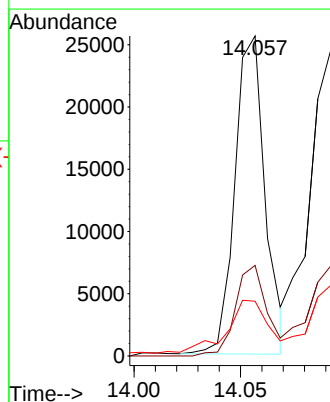
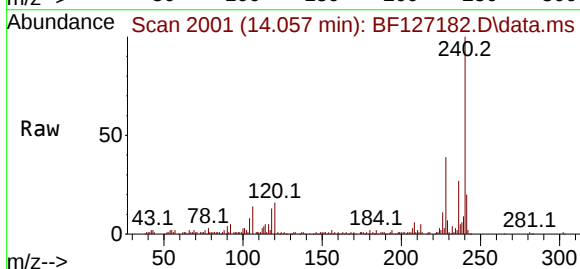
Tgt Ion:228 Resp: 25240

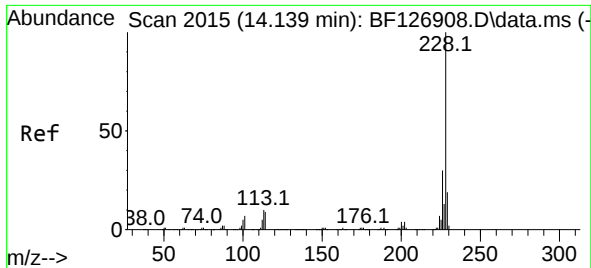
Ion Ratio Lower Upper

228 100

226 28.3 21.4 32.0

229 17.1 15.4 23.2

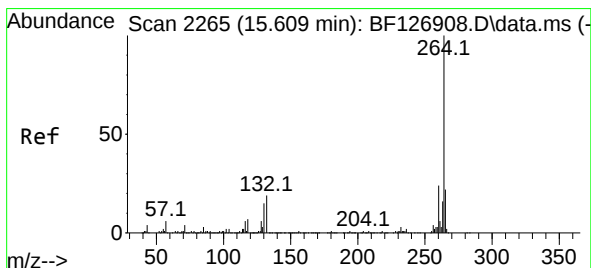
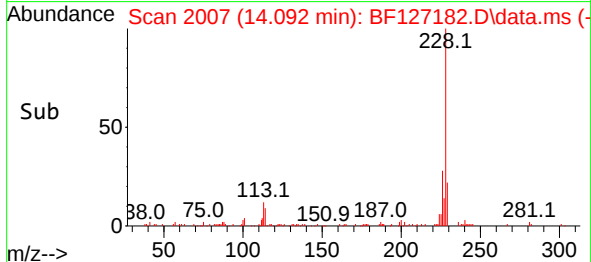
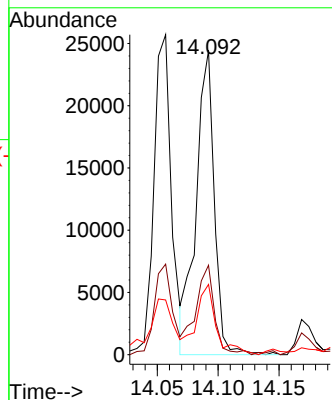
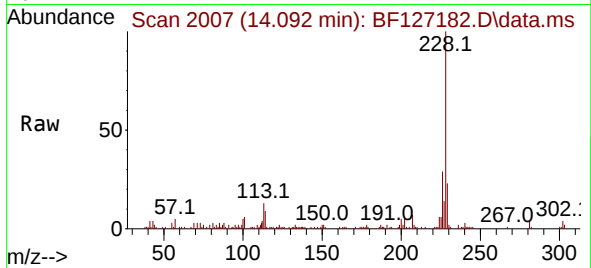




#83
Chrysene
Concen: 2.450 ng
RT: 14.092 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF127182.D
Acq: 03 Mar 2022 20:28

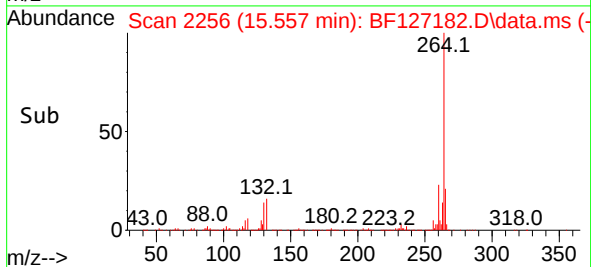
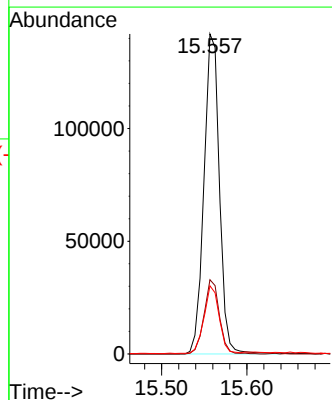
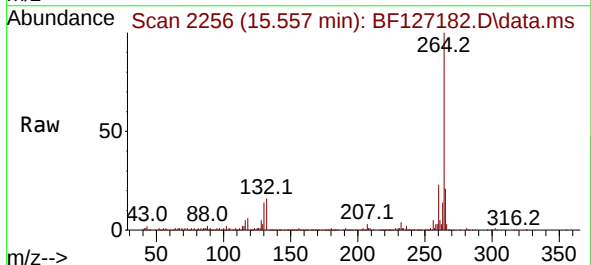
Instrument :
BNA_F
ClientSampleId :
DUM-11

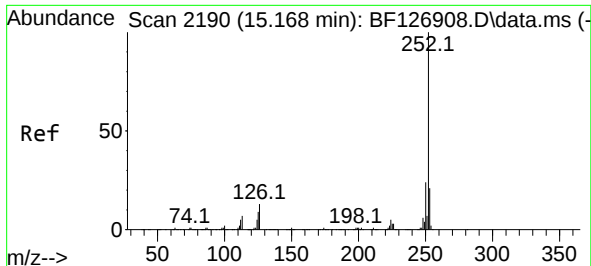
Tgt Ion:228	Resp:	25499	
Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.7	35.5
229	23.1	15.5	23.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2256
Delta R.T. -0.012 min
Lab File: BF127182.D
Acq: 03 Mar 2022 20:28

Tgt Ion:264	Resp:	178971	
Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	21.3	17.4	26.2

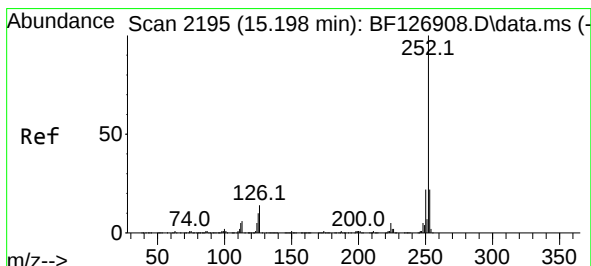
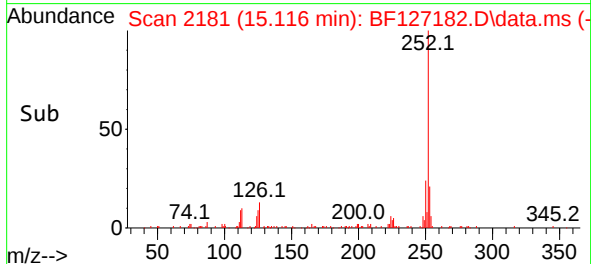
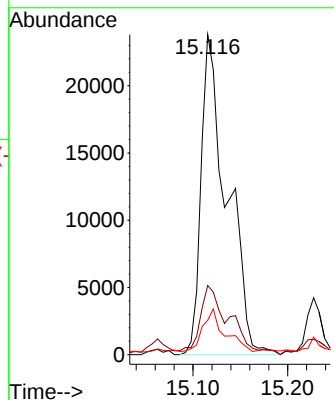
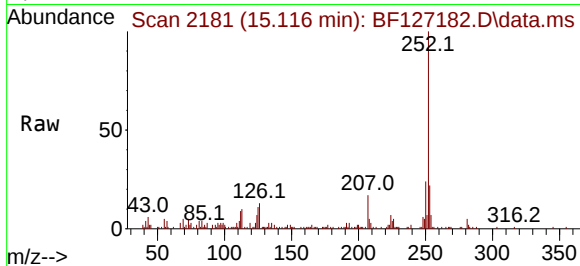




#88
Benzo(b)fluoranthene
Concen: 3.767 ng
RT: 15.116 min Scan# 2181
Delta R.T. -0.012 min
Lab File: BF127182.D
Acq: 03 Mar 2022 20:28

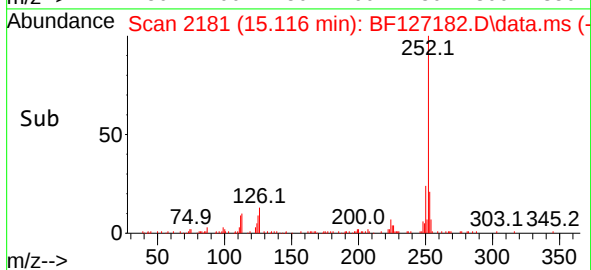
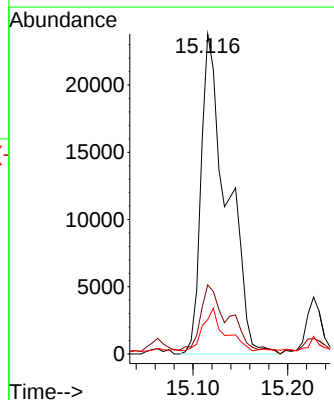
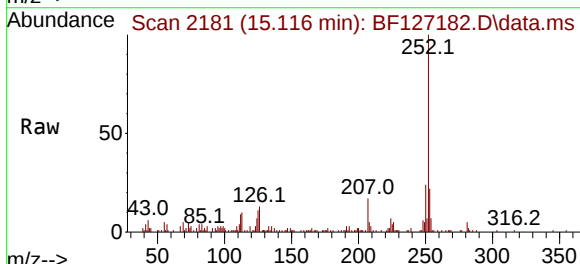
Instrument :
BNA_F
ClientSampleId :
DUM-11

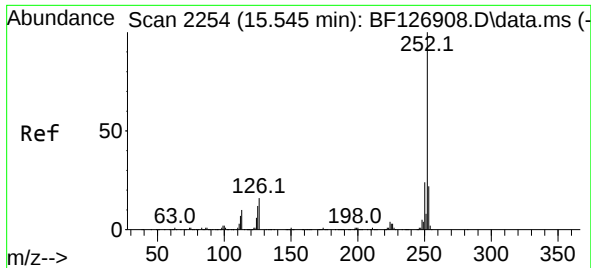
Tgt Ion:252 Resp: 45276
Ion Ratio Lower Upper
252 100
253 21.6 17.8 26.8
125 10.8 12.4 18.6#



#89
Benzo(k)fluoranthene
Concen: 3.905 ng
RT: 15.116 min Scan# 2181
Delta R.T. -0.041 min
Lab File: BF127182.D
Acq: 03 Mar 2022 20:28

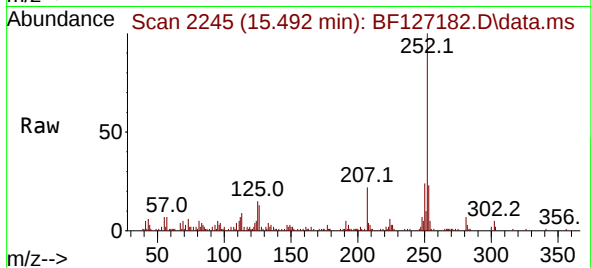
Tgt Ion:252 Resp: 45276
Ion Ratio Lower Upper
252 100
253 21.6 17.5 26.3
125 10.8 11.8 17.6#





#90
Benzo(a)pyrene
Concen: 2.519 ng
RT: 15.492 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF127182.D
Acq: 03 Mar 2022 20:28

Instrument :
BNA_F
ClientSampleId :
DUM-11



Tgt Ion:252 Resp: 23654
Ion Ratio Lower Upper
252 100
253 23.3 17.1 25.7
125 15.0 13.0 19.6

