

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022822\
 Data File : BF127100.D
 Acq On : 28 Feb 2022 15:22
 Operator : CG\JU
 Sample : N1681-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3-1-8FT

Quant Time: Feb 28 16:59:58 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 24 02:10:57 2022
 Response via : Initial Calibration

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

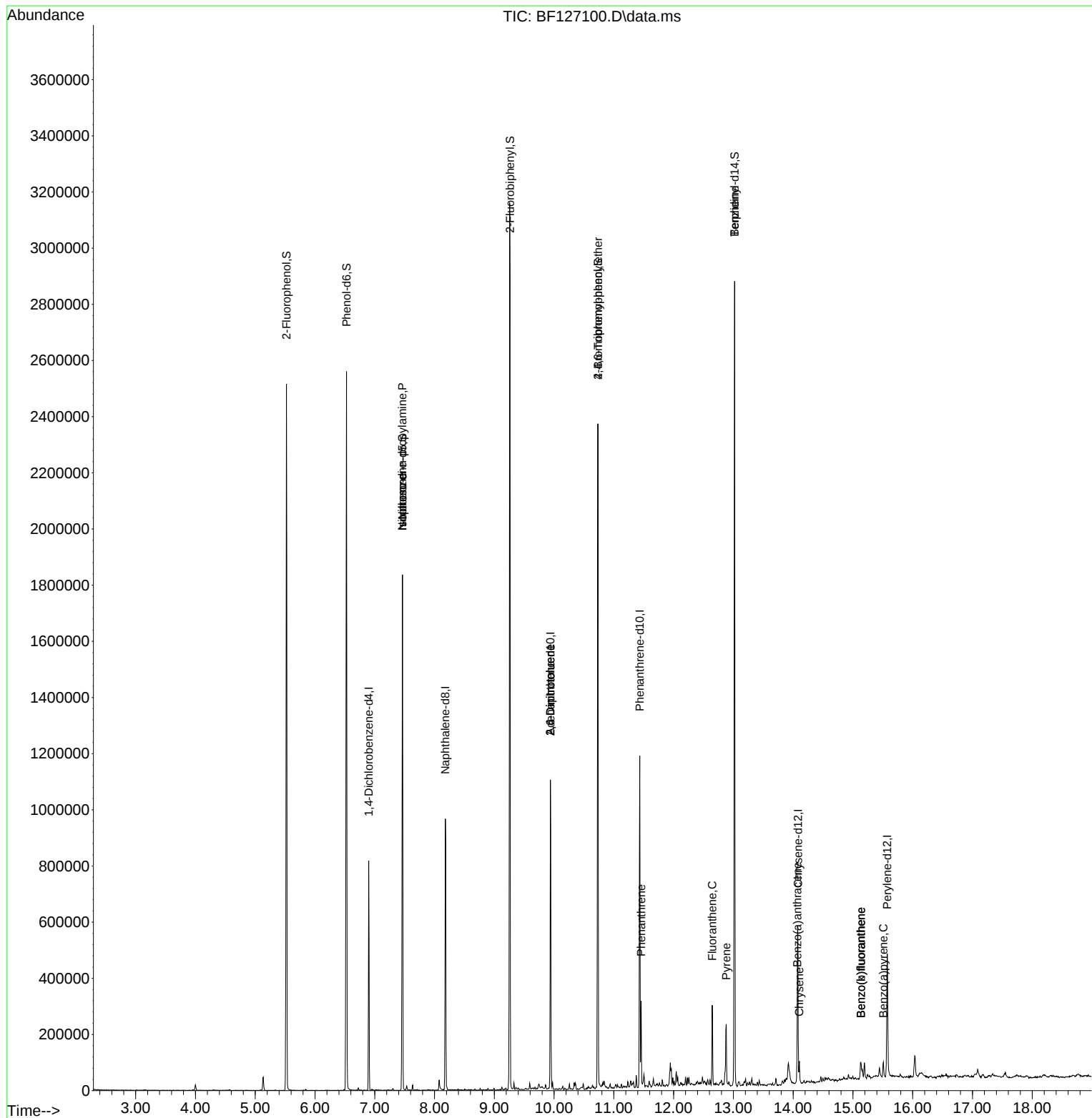
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	98788	20.000	ng	-0.01
21) Naphthalene-d8	8.181	136	402020	20.000	ng	#-0.01
39) Acenaphthene-d10	9.939	164	210868	20.000	ng	-0.01
64) Phenanthrene-d10	11.433	188	383009	20.000	ng	#-0.01
76) Chrysene-d12	14.080	240	170897	20.000	ng	# 0.00
86) Perylene-d12	15.574	264	187920	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	618352	96.743	ng	0.00
7) Phenol-d6	6.528	99	810016	93.919	ng	-0.01
23) Nitrobenzene-d5	7.463	82	566780	63.636	ng	-0.01
42) 2,4,6-Tribromophenol	10.733	330	252239	103.894	ng	-0.01
45) 2-Fluorobiphenyl	9.263	172	933781	65.191	ng	0.00
79) Terphenyl-d14	13.022	244	878139	75.537	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.463	70	77766	13.993	ng	# 78
25) Isophorone	7.463	82	566769	38.456	ng	# 69
51) 2,6-Dinitrotoluene	9.939	165	27152	8.854	ng	# 21
57) 2,4-Dinitrotoluene	9.939	165	27152	6.549	ng	# 15
67) 4-Bromophenyl-phenylether	10.733	248	14933	3.490	ng	# 1
71) Phenanthrene	11.457	178	94507	4.408	ng	99
75) Fluoranthene	12.645	202	95791	4.706	ng	95
77) Benzidine	13.022	184	12991	2.797	ng	# 96
78) Pyrene	12.880	202	85227	5.740	ng	97
81) Benzo(a)anthracene	14.068	228	28064	2.436	ng	96
83) Chrysene	14.104	228	27596	2.547	ng	97
88) Benzo(b)fluoranthene	15.133	252	42827	3.393	ng	# 93
89) Benzo(k)fluoranthene	15.133	252	42827	3.518	ng	93
90) Benzo(a)pyrene	15.510	252	22000	2.232	ng	# 94

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

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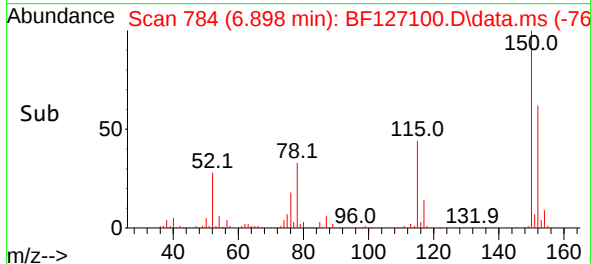
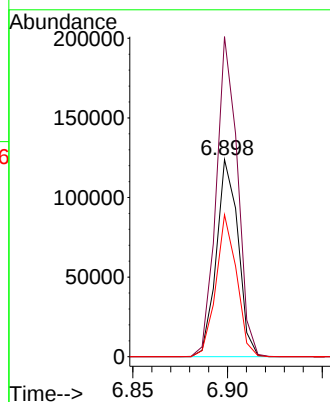
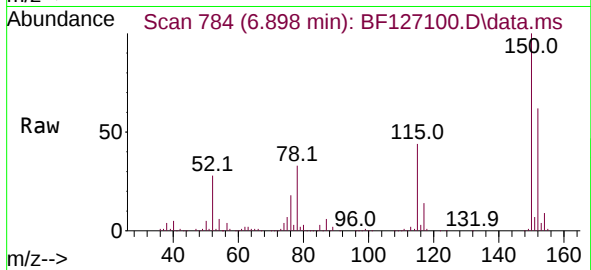




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF127100.D
Acq: 28 Feb 2022 15:22

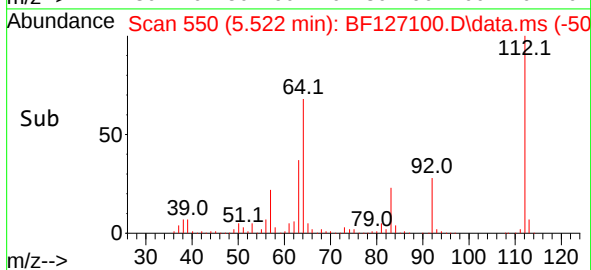
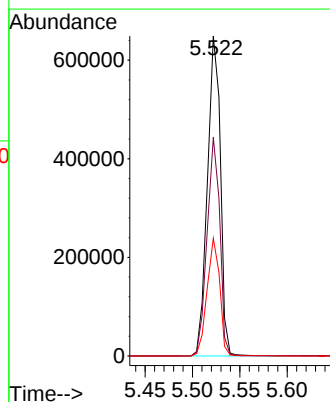
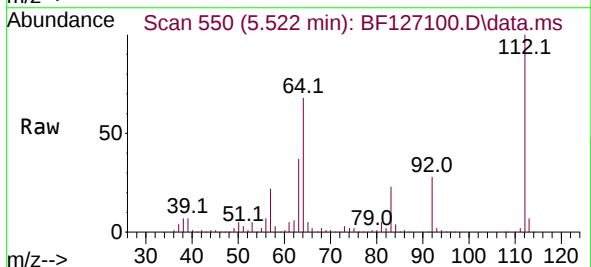
Instrument :
BNA_F
ClientSampleId :
TP-3-1-8FT

Tgt Ion:152 Resp: 98788
Ion Ratio Lower Upper
152 100
150 162.3 128.1 192.1
115 72.0 56.7 85.1



#5
2-Fluorophenol
Concen: 96.743 ng
RT: 5.522 min Scan# 550
Delta R.T. -0.006 min
Lab File: BF127100.D
Acq: 28 Feb 2022 15:22

Tgt Ion:112 Resp: 618352
Ion Ratio Lower Upper
112 100
64 68.3 49.5 74.3
63 36.8 23.9 35.9#

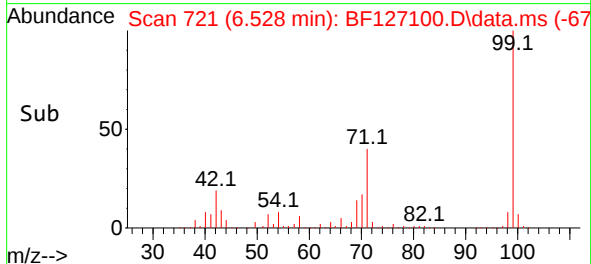
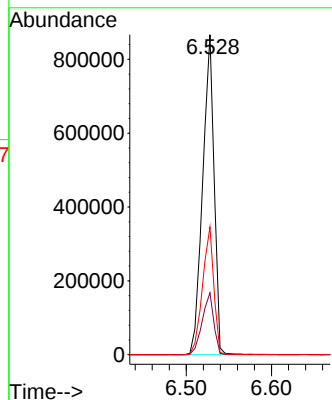
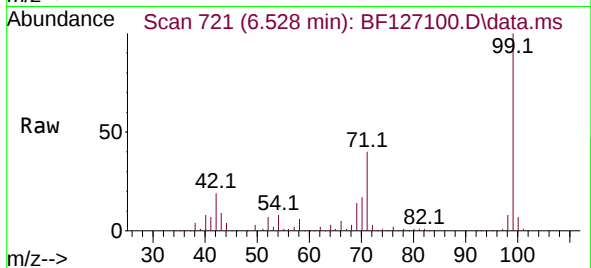




#7
Phenol-d6
Concen: 93.919 ng
RT: 6.528 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF127100.D
Acq: 28 Feb 2022 15:22

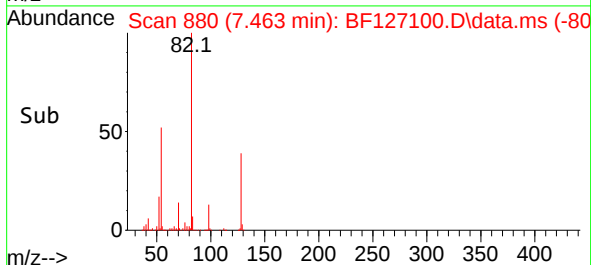
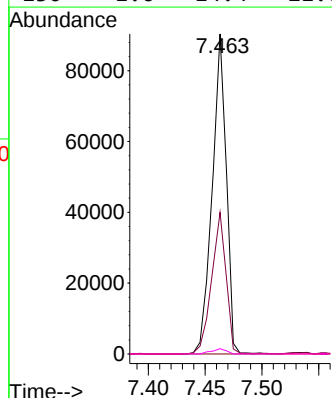
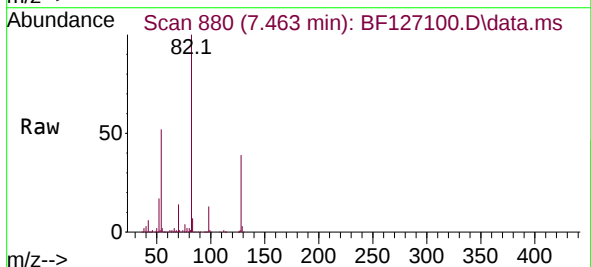
Instrument :
BNA_F
ClientSampleId :
TP-3-1-8FT

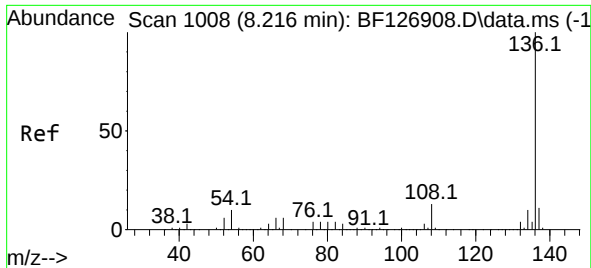
Tgt Ion: 99 Resp: 810016
Ion Ratio Lower Upper
99 100
42 19.3 14.2 21.4
71 39.9 24.3 36.5#



#19
n-Nitroso-di-n-propylamine
Concen: 13.993 ng
RT: 7.463 min Scan# 880
Delta R.T. 0.141 min
Lab File: BF127100.D
Acq: 28 Feb 2022 15:22

Tgt Ion: 70 Resp: 77766
Ion Ratio Lower Upper
70 100
42 44.3 45.8 68.8#
101 0.0 6.9 10.3#
130 1.6 14.4 21.6#

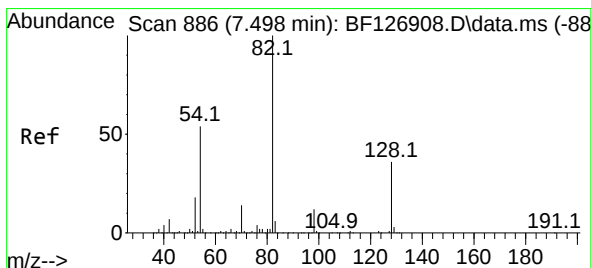
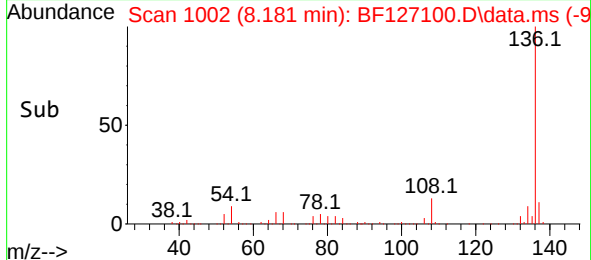
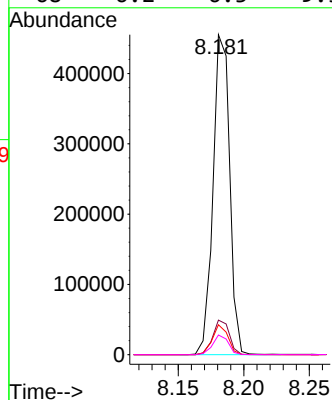
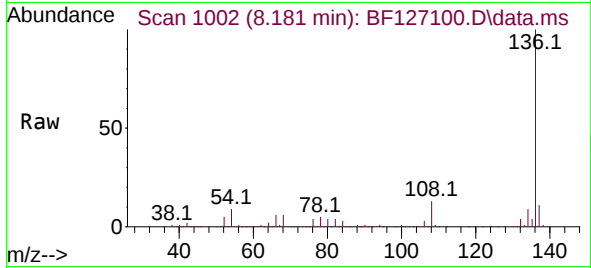




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 10
Delta R.T. -0.012 min
Lab File: BF127100.D
Acq: 28 Feb 2022 15:22

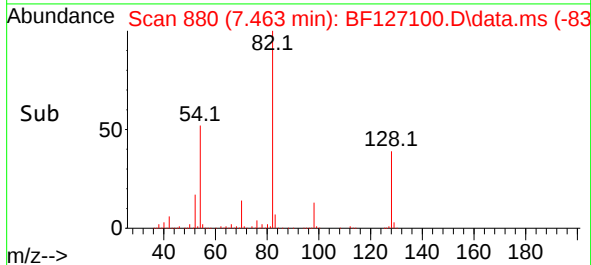
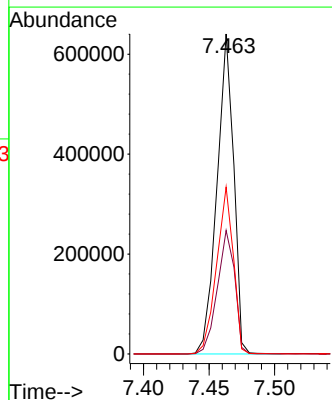
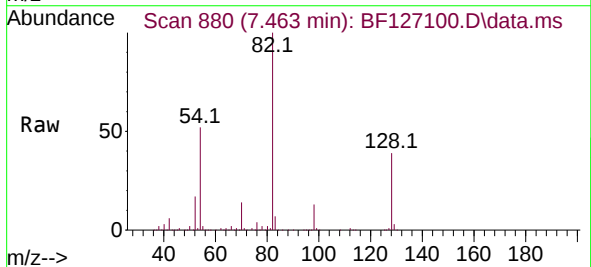
Instrument :
BNA_F
ClientSampleId :
TP-3-1-8FT

Tgt Ion:136 Resp: 402020
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 9.4 7.8 11.6
68 6.2 6.3 9.5#



#23
Nitrobenzene-d5
Concen: 63.636 ng
RT: 7.463 min Scan# 880
Delta R.T. -0.012 min
Lab File: BF127100.D
Acq: 28 Feb 2022 15:22

Tgt Ion: 82 Resp: 566780
Ion Ratio Lower Upper
82 100
128 38.6 32.7 49.1
54 52.2 41.7 62.5

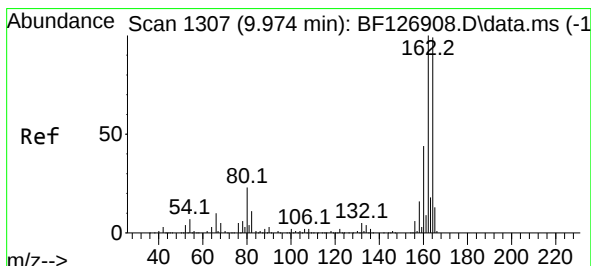
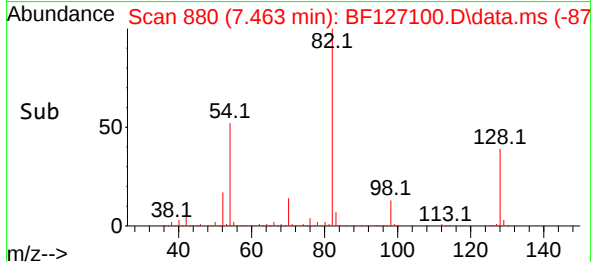
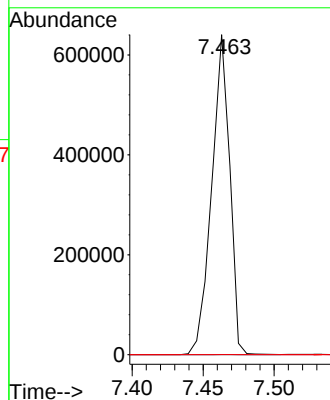
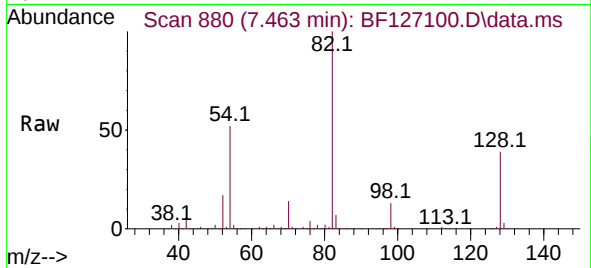




#25
Isophorone
Concen: 38.456 ng
RT: 7.463 min Scan# 81
Delta R.T. -0.270 min
Lab File: BF127100.D
Acq: 28 Feb 2022 15:22

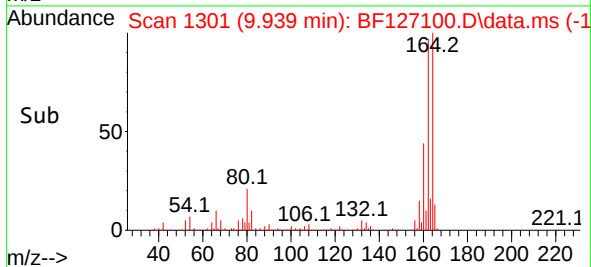
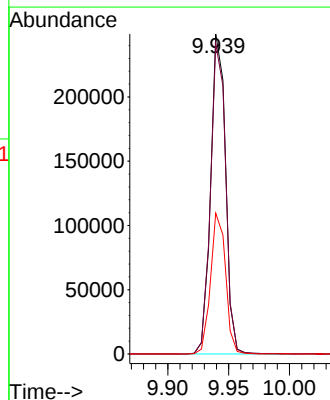
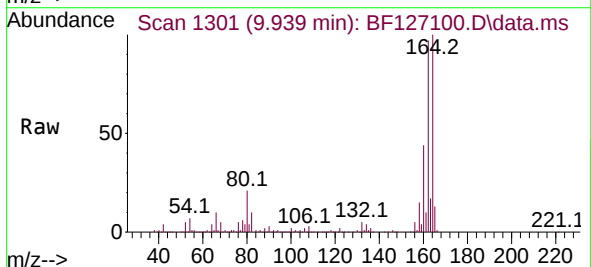
Instrument :
BNA_F
ClientSampleId :
TP-3-1-8FT

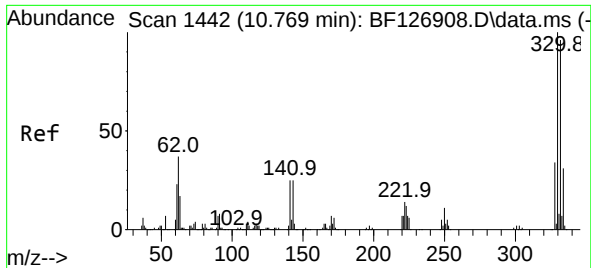
Tgt Ion: 82 Resp: 566769
Ion Ratio Lower Upper
82 100
95 0.0 5.0 7.4#
138 0.0 12.3 18.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1301
Delta R.T. -0.012 min
Lab File: BF127100.D
Acq: 28 Feb 2022 15:22

Tgt Ion: 164 Resp: 210868
Ion Ratio Lower Upper
164 100
162 97.0 81.4 122.0
160 44.0 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 103.894 ng

RT: 10.733 min Scan# 1442

Delta R.T. -0.012 min

Lab File: BF127100.D

Acq: 28 Feb 2022 15:22

Instrument :

BNA_F

ClientSampleId :

TP-3-1-8FT

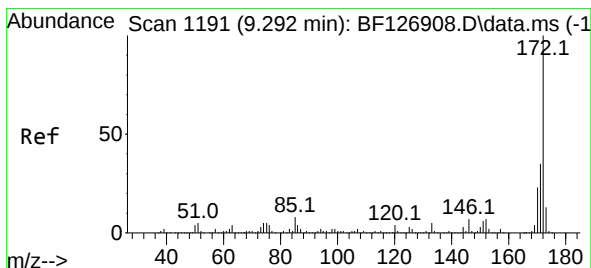
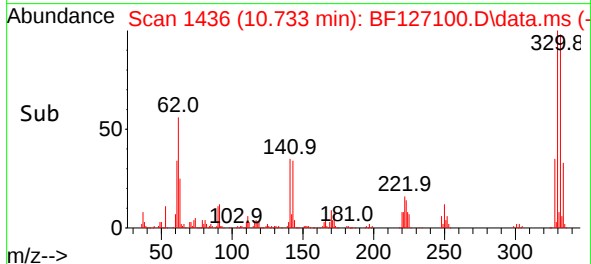
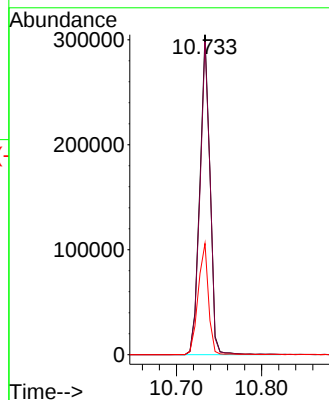
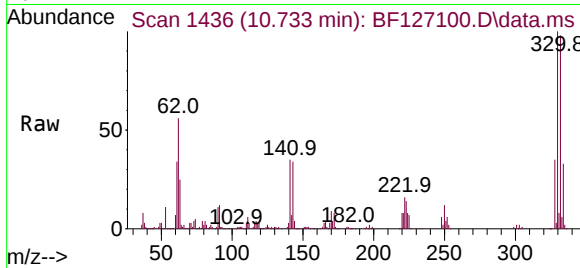
Tgt Ion:330 Resp: 252239

Ion Ratio Lower Upper

330 100

332 97.5 76.0 114.0

141 35.5 30.1 45.1



#45

2-Fluorobiphenyl

Concen: 65.191 ng

RT: 9.263 min Scan# 1186

Delta R.T. -0.006 min

Lab File: BF127100.D

Acq: 28 Feb 2022 15:22

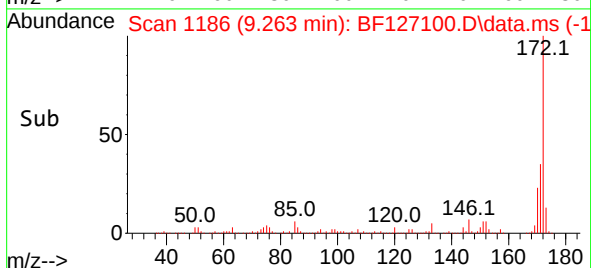
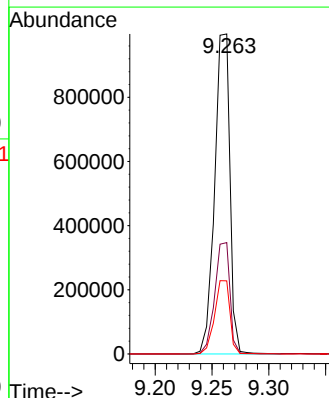
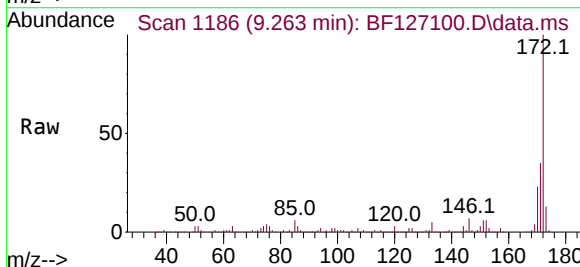
Tgt Ion:172 Resp: 933781

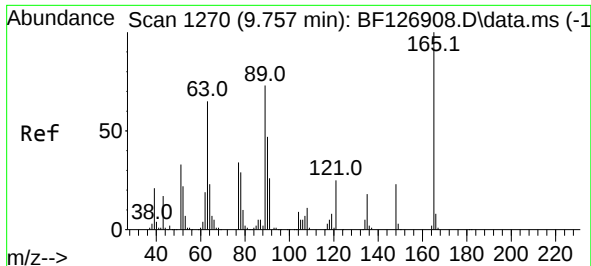
Ion Ratio Lower Upper

172 100

171 34.8 28.3 42.5

170 22.9 19.0 28.6

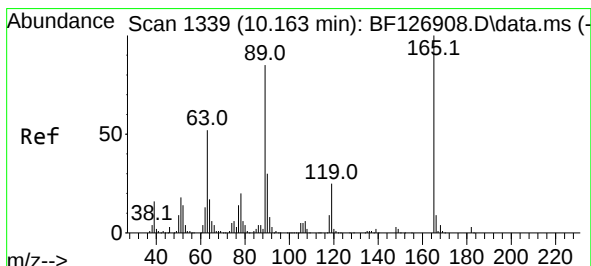
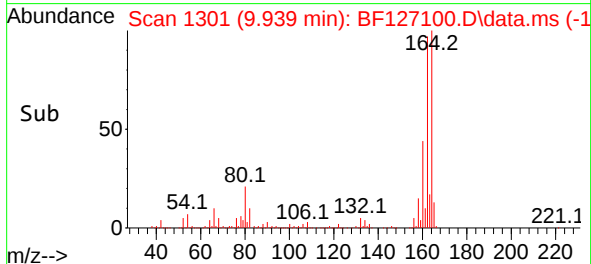
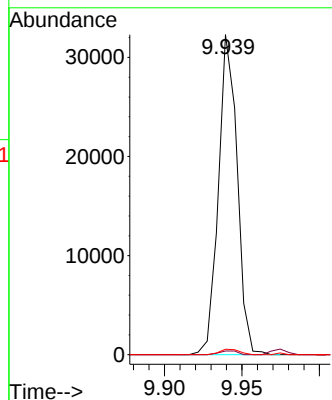
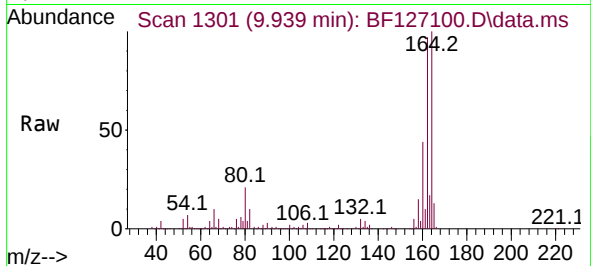




#51
2,6-Dinitrotoluene
Concen: 8.854 ng
RT: 9.939 min Scan# 1301
Delta R.T. 0.206 min
Lab File: BF127100.D
Acq: 28 Feb 2022 15:22

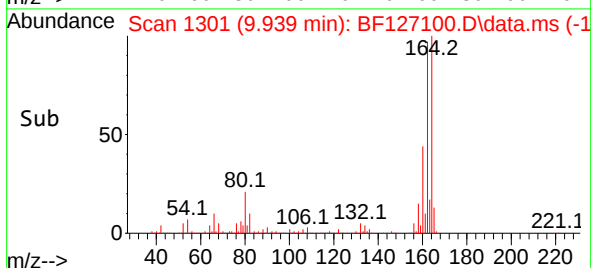
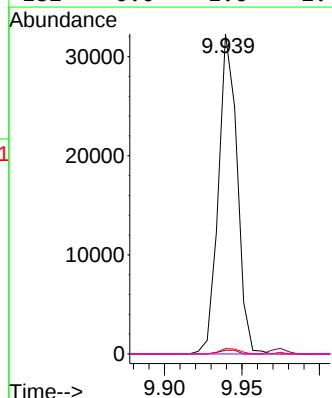
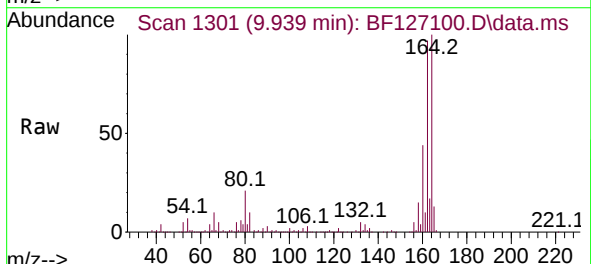
Instrument :
BNA_F
ClientSampleId :
TP-3-1-8FT

Tgt Ion:165 Resp: 27152
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: 6.549 ng
RT: 9.939 min Scan# 1301
Delta R.T. -0.200 min
Lab File: BF127100.D
Acq: 28 Feb 2022 15:22

Tgt Ion:165 Resp: 27152
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#

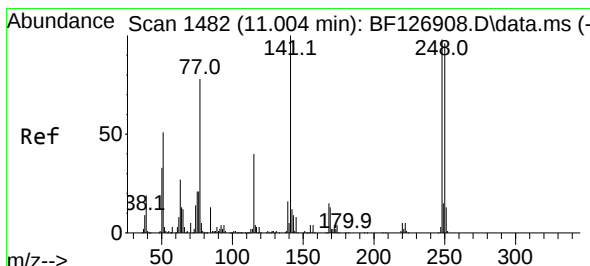
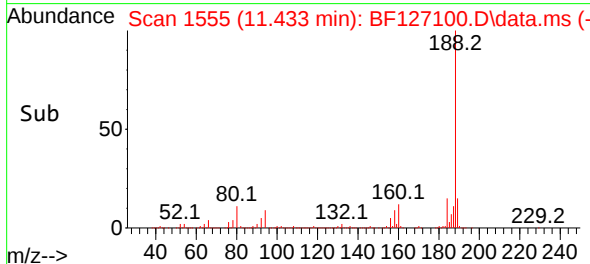
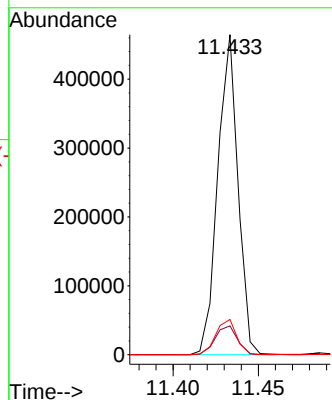
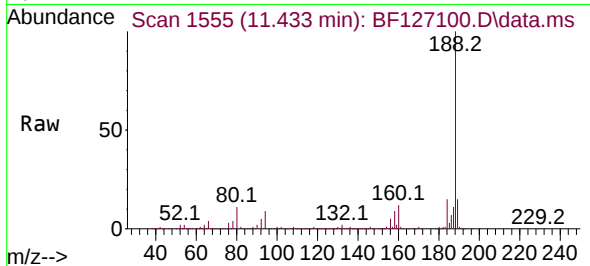




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF127100.D
Acq: 28 Feb 2022 15:22

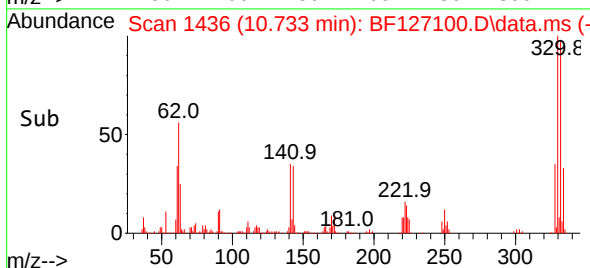
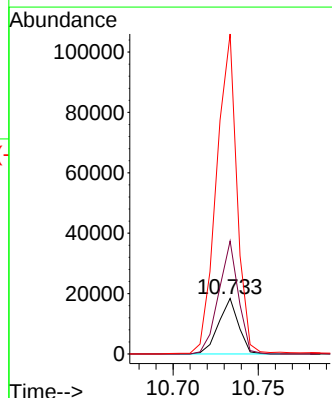
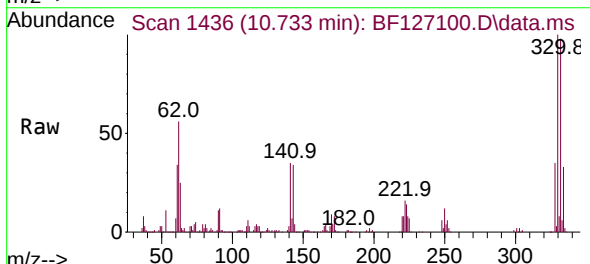
Instrument :
BNA_F
ClientSampleId :
TP-3-1-8FT

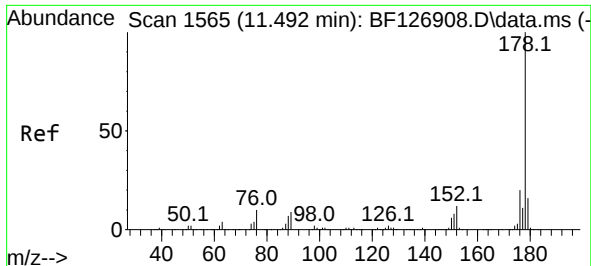
Tgt Ion:188 Resp: 383009
Ion Ratio Lower Upper
188 100
94 9.0 10.1 15.1#
80 11.0 11.8 17.6#



#67
4-Bromophenyl-phenylether
Concen: 3.490 ng
RT: 10.733 min Scan# 1436
Delta R.T. -0.253 min
Lab File: BF127100.D
Acq: 28 Feb 2022 15:22

Tgt Ion:248 Resp: 14933
Ion Ratio Lower Upper
248 100
250 203.4 76.2 114.4#
141 576.5 66.2 99.4#

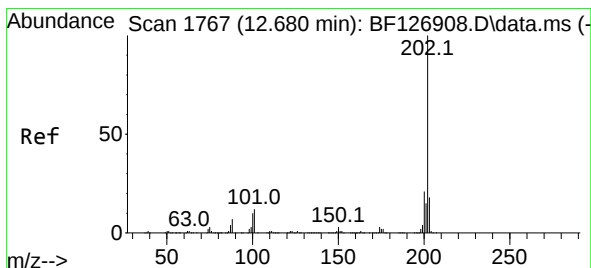
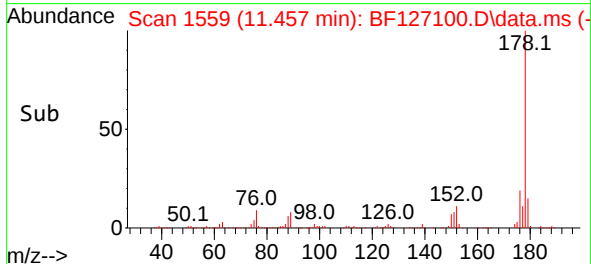
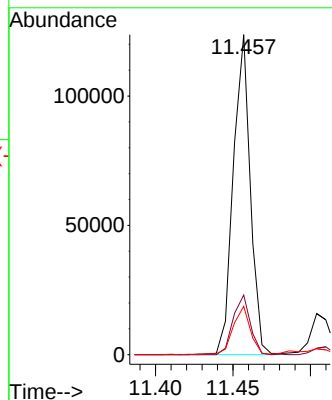
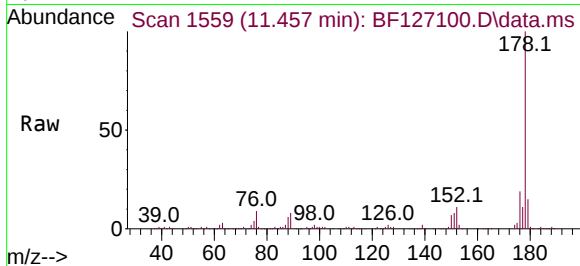




#71
Phenanthrene
Concen: 4.408 ng
RT: 11.457 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF127100.D
Acq: 28 Feb 2022 15:22

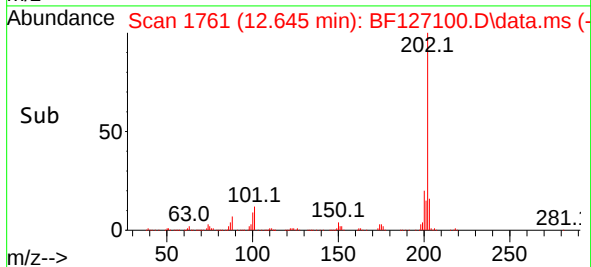
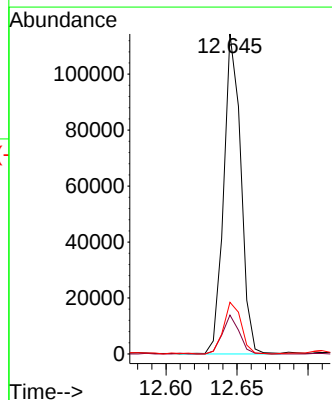
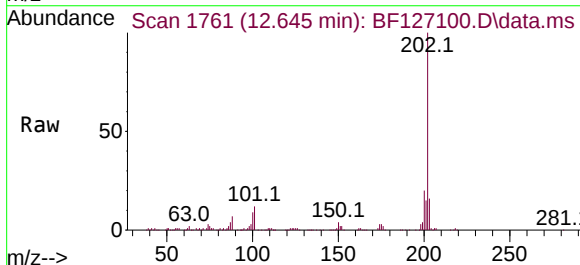
Instrument :
BNA_F
ClientSampleId :
TP-3-1-8FT

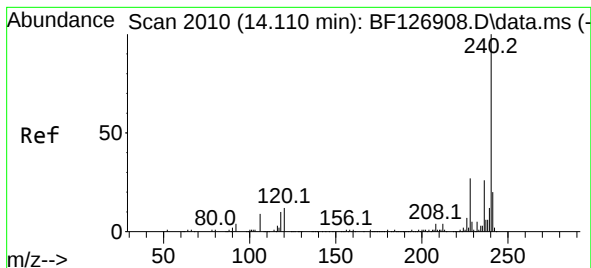
Tgt Ion:178 Resp: 94507
Ion Ratio Lower Upper
178 100
176 18.7 15.7 23.5
179 15.1 12.3 18.5



#75
Fluoranthene
Concen: 4.706 ng
RT: 12.645 min Scan# 1761
Delta R.T. -0.012 min
Lab File: BF127100.D
Acq: 28 Feb 2022 15:22

Tgt Ion:202 Resp: 95791
Ion Ratio Lower Upper
202 100
101 12.1 0.0 35.7
203 16.2 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.080 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF127100.D

Acq: 28 Feb 2022 15:22

Instrument :

BNA_F

ClientSampleId :

TP-3-1-8FT

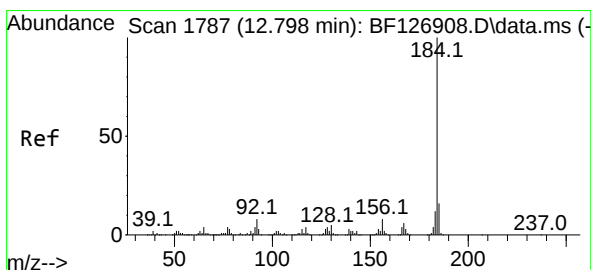
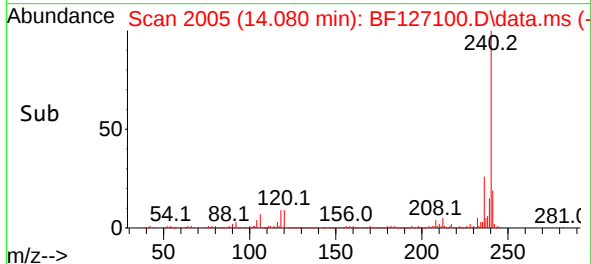
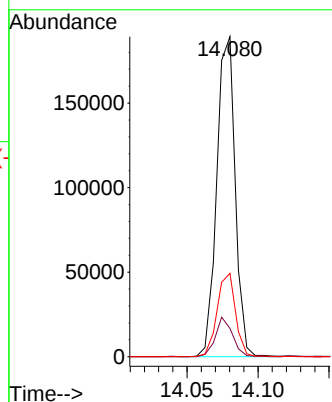
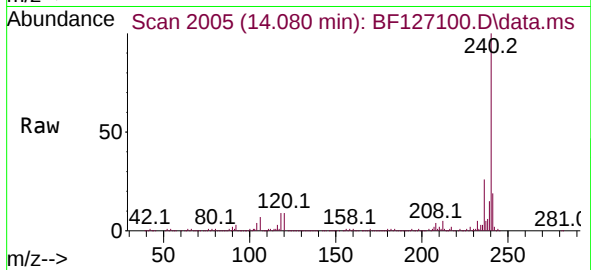
Tgt Ion:240 Resp: 170897

Ion Ratio Lower Upper

240 100

120 8.9 14.4 21.6#

236 26.0 20.5 30.7



#77

Benzidine

Concen: 2.797 ng

RT: 13.022 min Scan# 1825

Delta R.T. 0.247 min

Lab File: BF127100.D

Acq: 28 Feb 2022 15:22

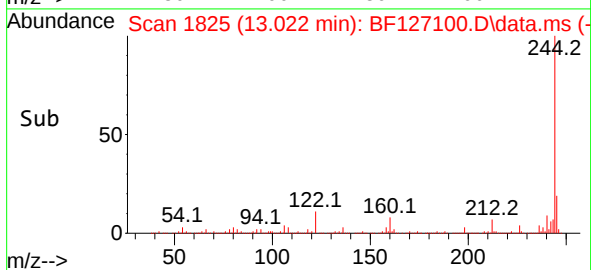
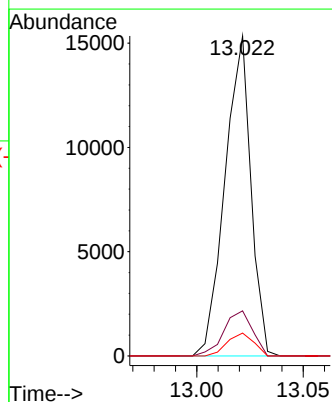
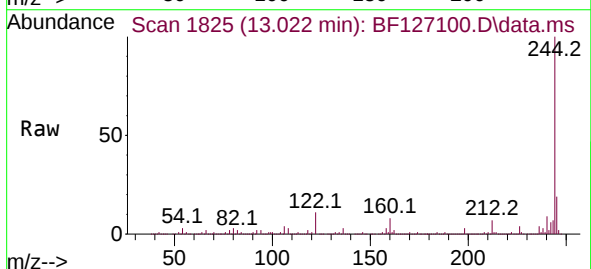
Tgt Ion:184 Resp: 12991

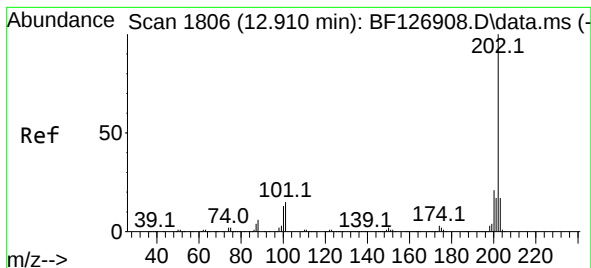
Ion Ratio Lower Upper

184 100

185 14.1 11.8 17.8

183 7.2 8.2 12.2#





#78

Pyrene

Concen: 5.740 ng

RT: 12.880 min Scan# 1801

Delta R.T. -0.012 min

Lab File: BF127100.D

Acq: 28 Feb 2022 15:22

Instrument :

BNA_F

ClientSampleId :

TP-3-1-8FT

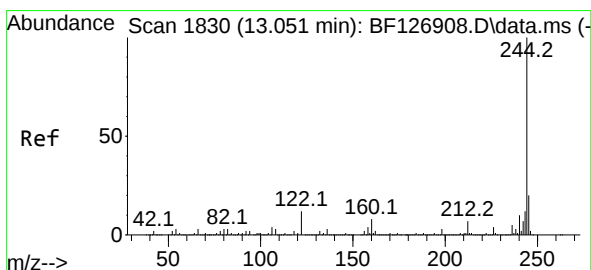
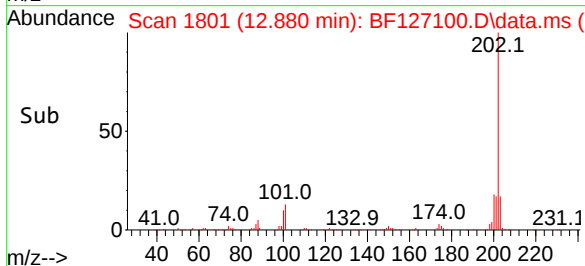
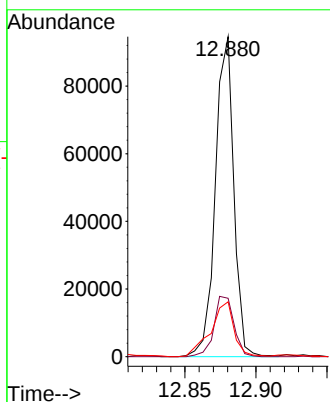
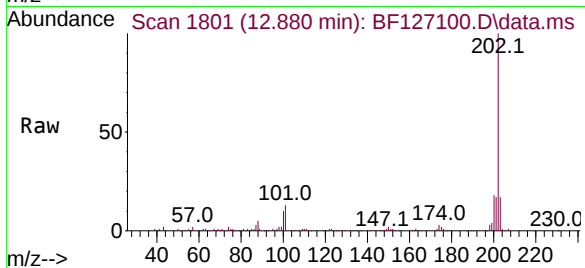
Tgt Ion:202 Resp: 85227

Ion Ratio Lower Upper

202 100

200 18.3 16.6 24.8

203 17.2 13.8 20.8



#79

Terphenyl-d14

Concen: 75.537 ng

RT: 13.022 min Scan# 1825

Delta R.T. -0.006 min

Lab File: BF127100.D

Acq: 28 Feb 2022 15:22

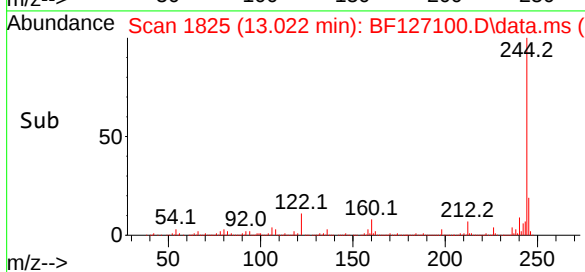
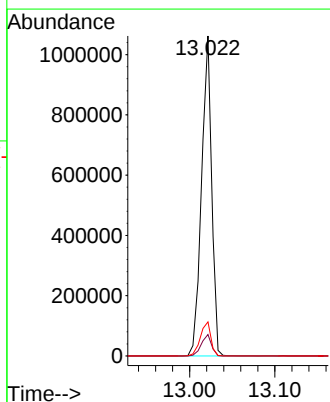
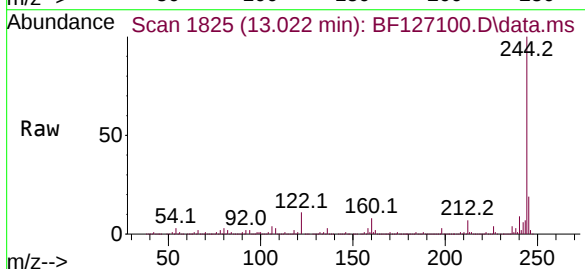
Tgt Ion:244 Resp: 878139

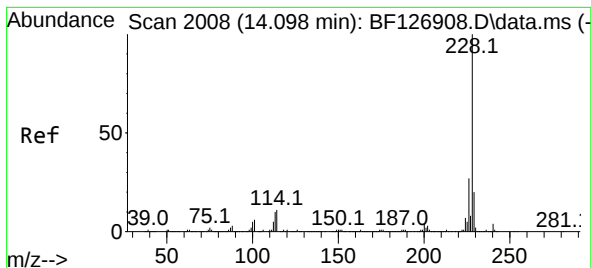
Ion Ratio Lower Upper

244 100

212 6.7 5.0 7.4

122 10.7 13.3 19.9#





#81

Benzo(a)anthracene

Concen: 2.436 ng

RT: 14.068 min Scan# 2009

Delta R.T. -0.012 min

Lab File: BF127100.D

Acq: 28 Feb 2022 15:22

Instrument :

BNA_F

ClientSampleId :

TP-3-1-8FT

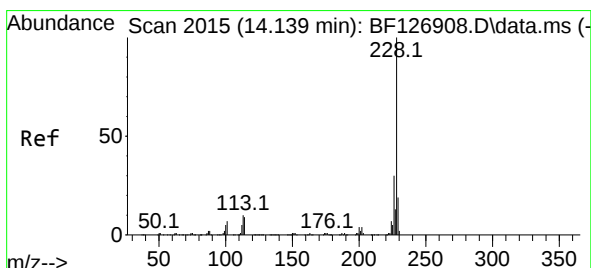
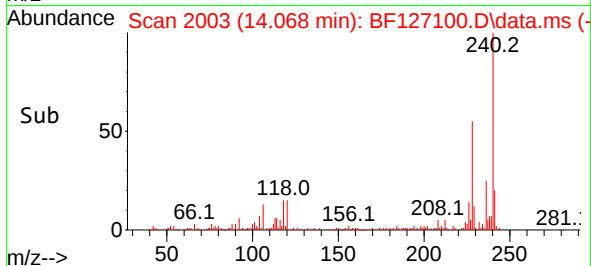
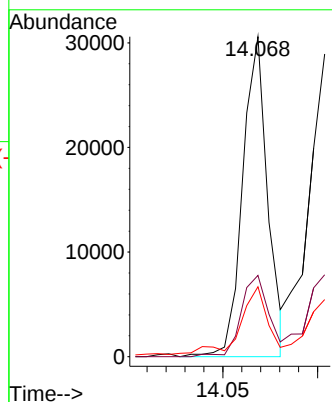
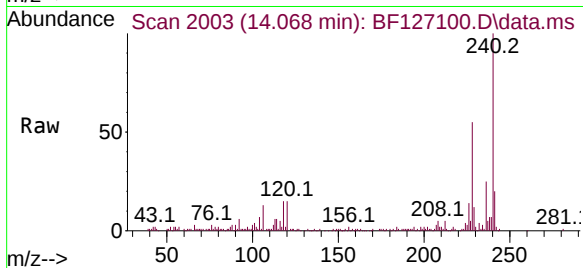
Tgt Ion:228 Resp: 28064

Ion Ratio Lower Upper

228 100

226 25.4 21.4 32.0

229 21.8 15.4 23.2



#83

Chrysene

Concen: 2.547 ng

RT: 14.104 min Scan# 2009

Delta R.T. -0.012 min

Lab File: BF127100.D

Acq: 28 Feb 2022 15:22

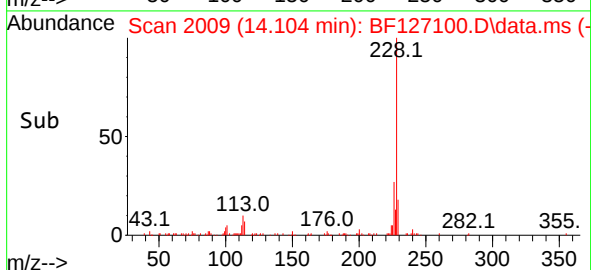
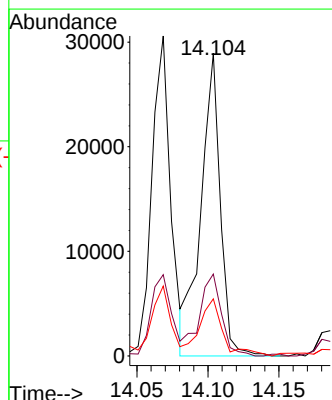
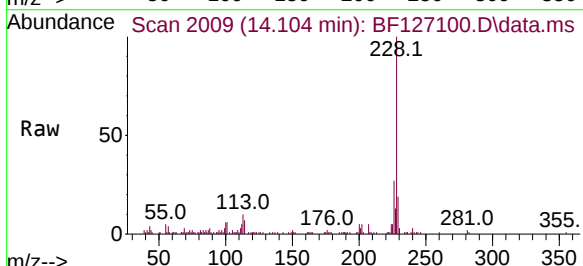
Tgt Ion:228 Resp: 27596

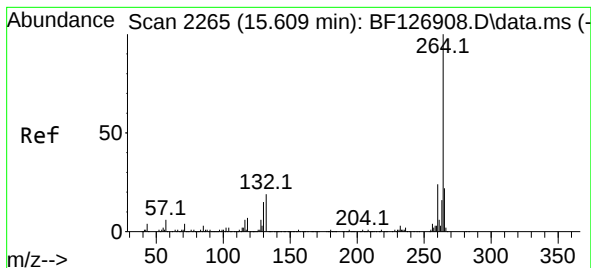
Ion Ratio Lower Upper

228 100

226 27.1 23.7 35.5

229 18.9 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.574 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF127100.D

Acq: 28 Feb 2022 15:22

Instrument :

BNA_F

ClientSampleId :

TP-3-1-8FT

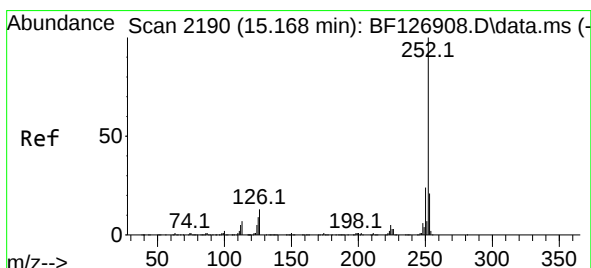
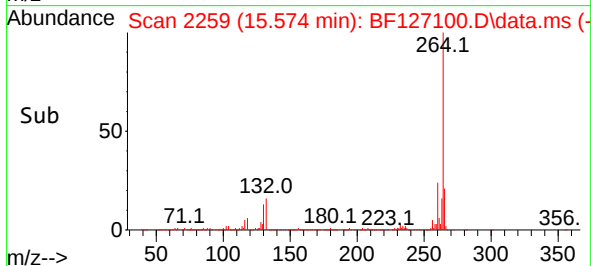
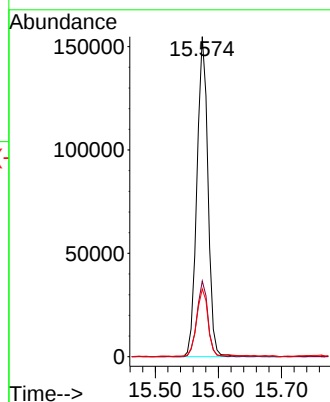
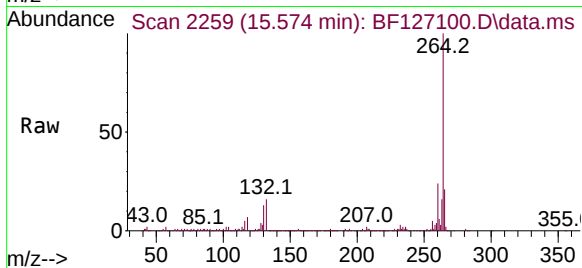
Tgt Ion:264 Resp: 187920

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 21.2 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 3.393 ng

RT: 15.133 min Scan# 2184

Delta R.T. -0.012 min

Lab File: BF127100.D

Acq: 28 Feb 2022 15:22

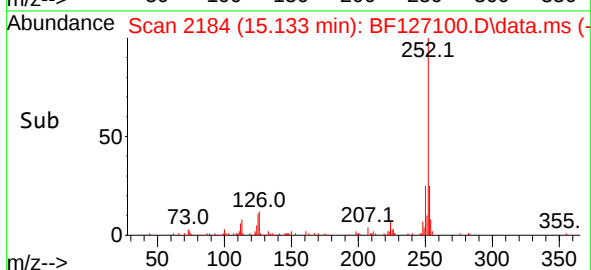
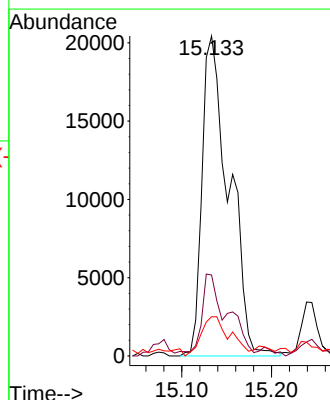
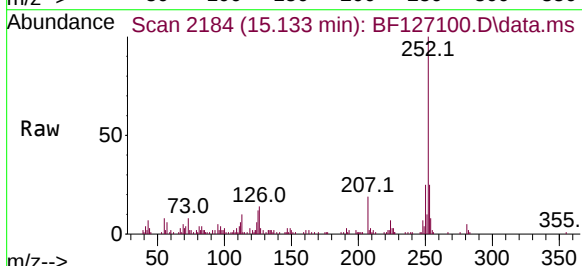
Tgt Ion:252 Resp: 42827

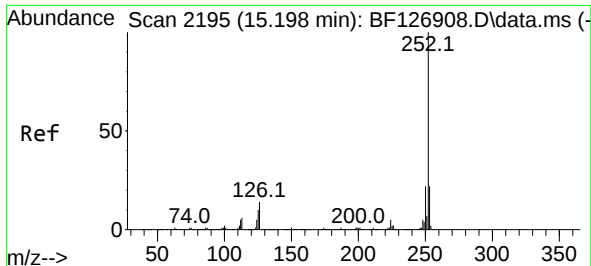
Ion Ratio Lower Upper

252 100

253 25.3 17.8 26.8

125 12.2 12.4 18.6#

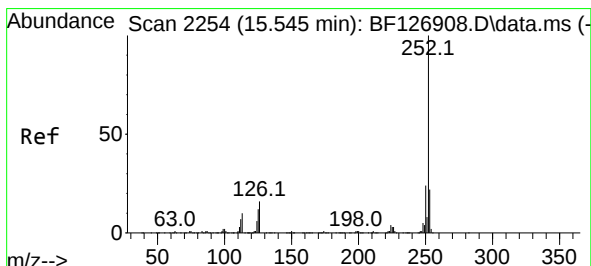
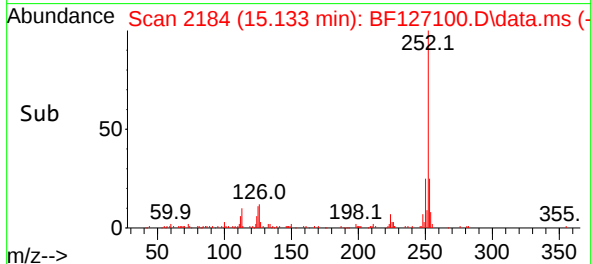
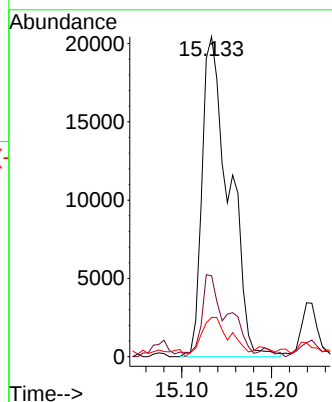
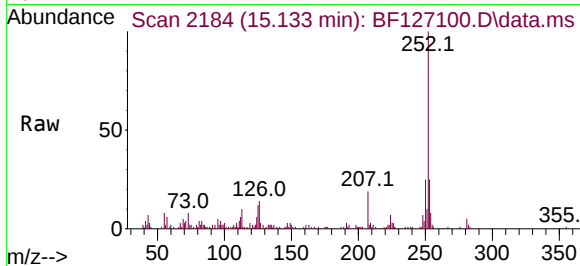




#89
Benzo(k)fluoranthene
Concen: 3.518 ng
RT: 15.133 min Scan# 2195
Delta R.T. -0.041 min
Lab File: BF127100.D
Acq: 28 Feb 2022 15:22

Instrument :
BNA_F
ClientSampleId :
TP-3-1-8FT

Tgt Ion:252 Resp: 42827
Ion Ratio Lower Upper
252 100
253 25.3 17.5 26.3
125 12.2 11.8 17.6



#90
Benzo(a)pyrene
Concen: 2.232 ng
RT: 15.510 min Scan# 2248
Delta R.T. -0.012 min
Lab File: BF127100.D
Acq: 28 Feb 2022 15:22

Tgt Ion:252 Resp: 22000
Ion Ratio Lower Upper
252 100
253 21.9 17.1 25.7
125 10.7 13.0 19.6#

