

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030822\
 Data File : BF127264.D
 Acq On : 08 Mar 2022 18:00
 Operator : CG\JU
 Sample : N1830-04 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 11977

Quant Time: Mar 09 01:19:27 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 05 02:16:58 2022
 Response via : Initial Calibration

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

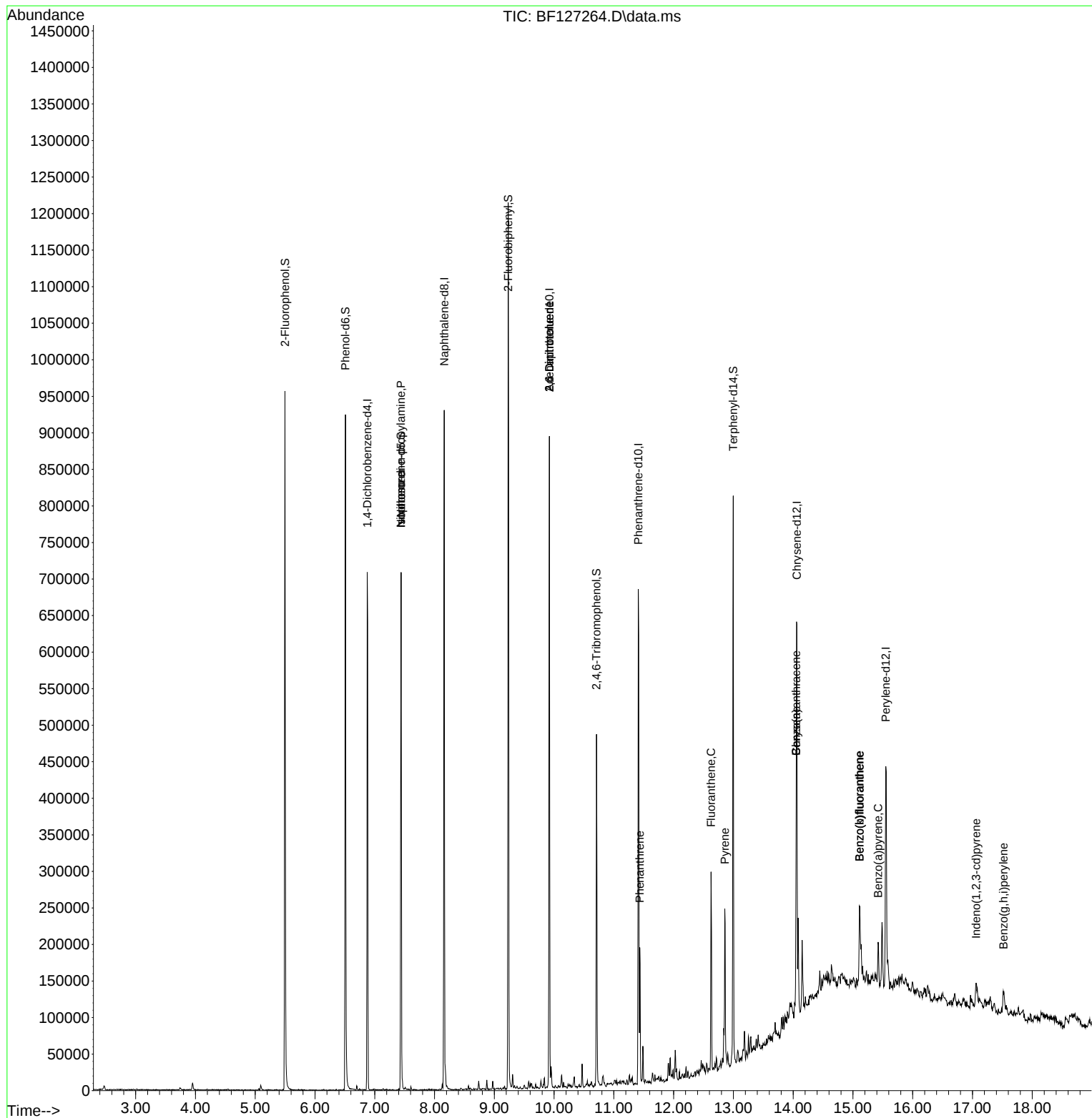
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	97760	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	362066	20.000	ng	# 0.00
39) Acenaphthene-d10	9.922	164	166405	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	237391	20.000	ng	# 0.00
76) Chrysene-d12	14.062	240	169858	20.000	ng	# 0.00
86) Perylene-d12	15.551	264	137566	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	223252	35.296	ng	0.00
7) Phenol-d6	6.510	99	272883	31.973	ng	0.00
23) Nitrobenzene-d5	7.439	82	202576	25.254	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	52197	27.244	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	329493	29.150	ng	0.00
79) Terphenyl-d14	12.998	244	241951	20.940	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	26624	4.841	ng	# 80
25) Isophorone	7.439	82	202574	15.262	ng	# 69
51) 2,6-Dinitrotoluene	9.922	165	21634	8.940	ng	# 21
57) 2,4-Dinitrotoluene	9.922	165	21634	6.612	ng	# 15
71) Phenanthrene	11.433	178	64095	4.824	ng	98
75) Fluoranthene	12.627	202	94677	7.504	ng	95
78) Pyrene	12.857	202	84251	5.709	ng	99
81) Benzo(a)anthracene	14.051	228	51533	4.500	ng	97
83) Chrysene	14.051	228	51533	4.786	ng	97
87) Indeno(1,2,3-cd)pyrene	17.062	276	21531	2.387	ng	# 83
88) Benzo(b)fluoranthene	15.109	252	80158	8.676	ng	# 92
89) Benzo(k)fluoranthene	15.109	252	80158	8.995	ng	# 93
90) Benzo(a)pyrene	15.421	252	27179	3.766	ng	99
92) Benzo(g,h,i)perylene	17.521	276	19967	2.715	ng	# 80

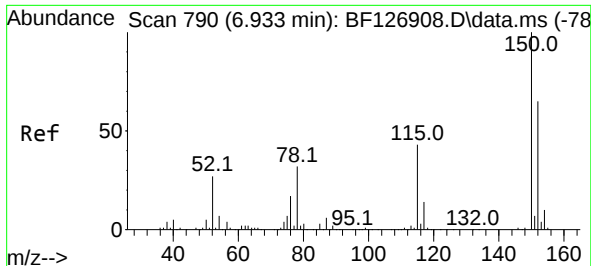
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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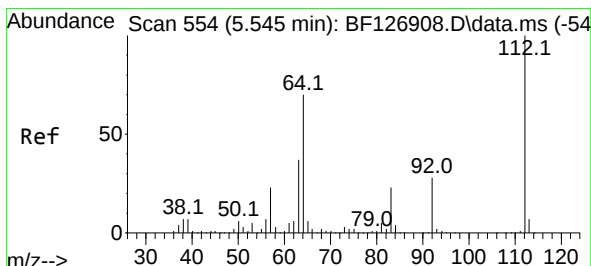
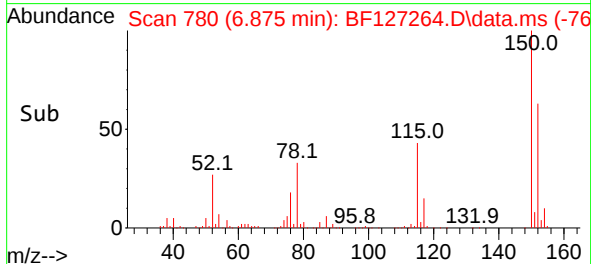
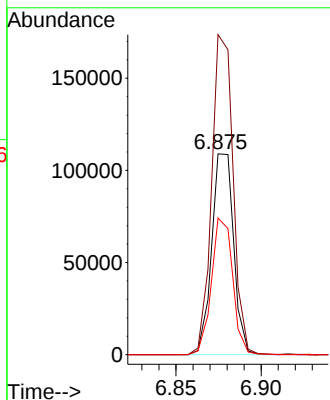
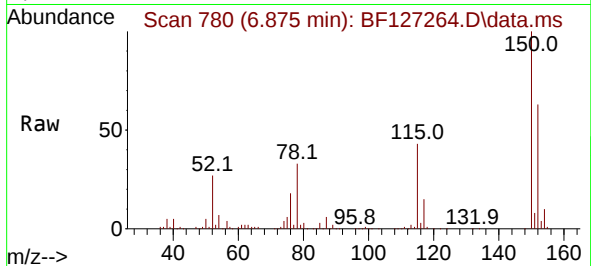




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BF127264.D
 Acq: 08 Mar 2022 18:00

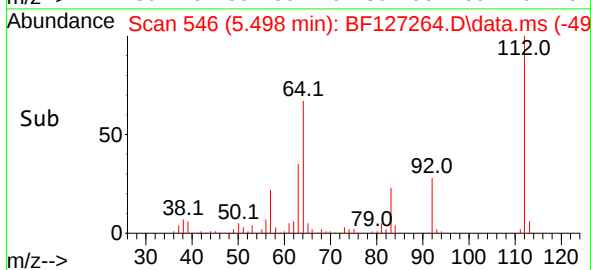
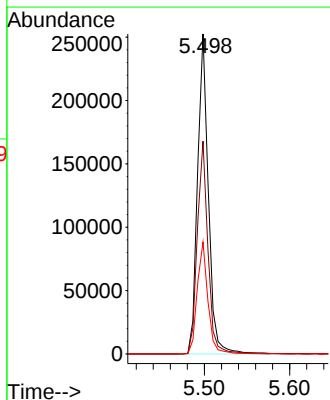
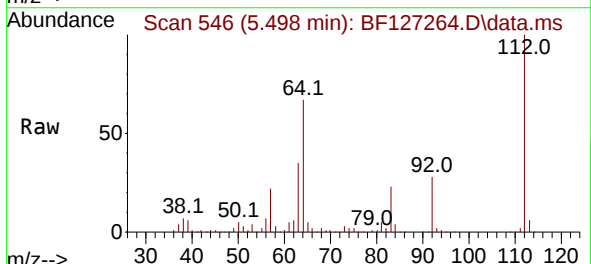
Instrument :
 BNA_F
 ClientSampleId :
 11977

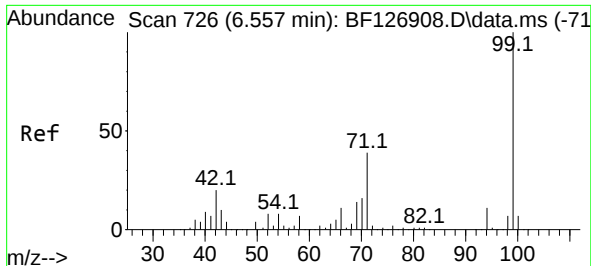
Tgt Ion:152 Resp: 97760
 Ion Ratio Lower Upper
 152 100
 150 159.3 128.1 192.1
 115 68.0 56.7 85.1



#5
 2-Fluorophenol
 Concen: 35.296 ng
 RT: 5.498 min Scan# 546
 Delta R.T. -0.000 min
 Lab File: BF127264.D
 Acq: 08 Mar 2022 18:00

Tgt Ion:112 Resp: 223252
 Ion Ratio Lower Upper
 112 100
 64 66.5 49.5 74.3
 63 35.0 23.9 35.9

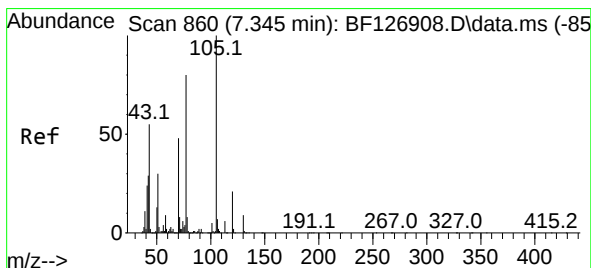
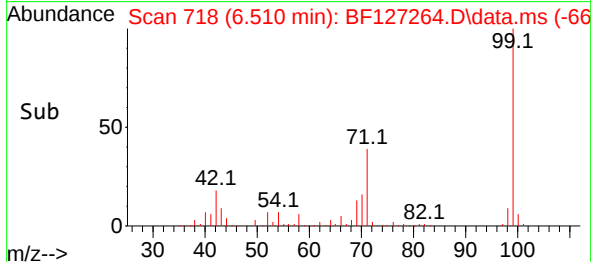
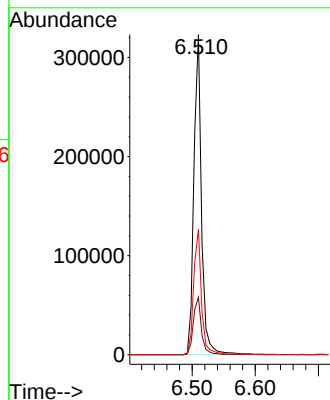
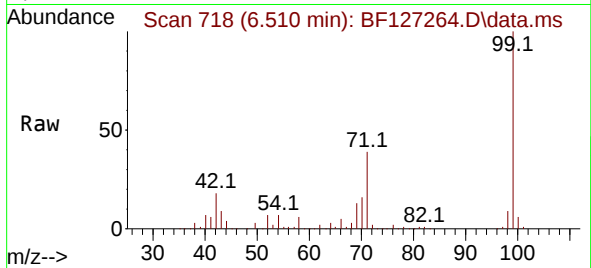




#7
Phenol-d6
Concen: 31.973 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127264.D
Acq: 08 Mar 2022 18:00

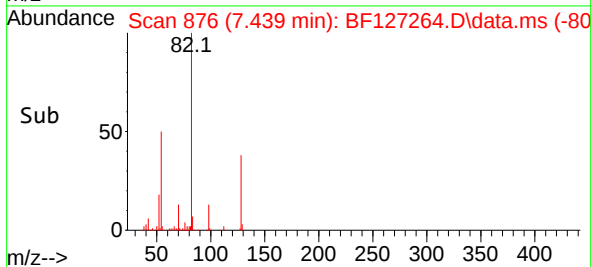
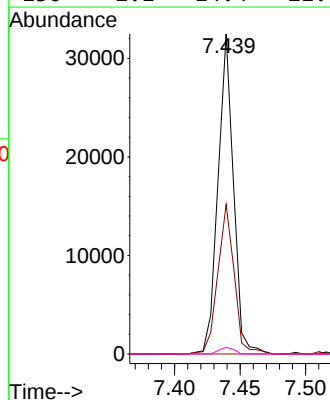
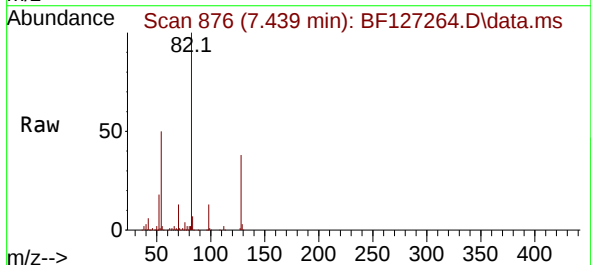
Instrument :
BNA_F
ClientSampleId :
11977

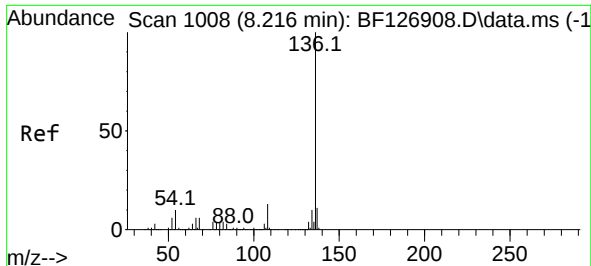
Tgt Ion: 99 Resp: 272883
Ion Ratio Lower Upper
99 100
42 17.9 14.2 21.4
71 39.1 24.3 36.5#



#19
n-Nitroso-di-n-propylamine
Concen: 4.841 ng
RT: 7.439 min Scan# 876
Delta R.T. 0.147 min
Lab File: BF127264.D
Acq: 08 Mar 2022 18:00

Tgt Ion: 70 Resp: 26624
Ion Ratio Lower Upper
70 100
42 46.7 45.8 68.8
101 0.0 6.9 10.3#
130 2.1 14.4 21.6#

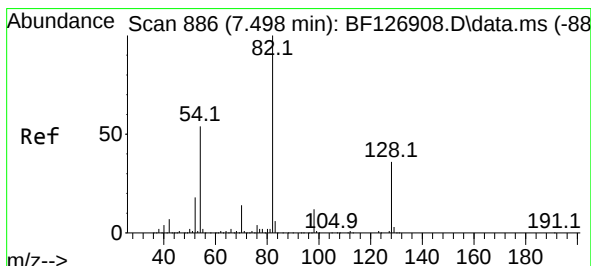
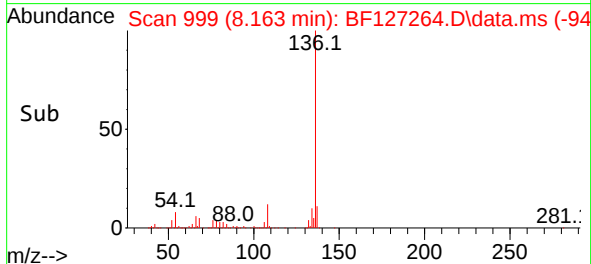
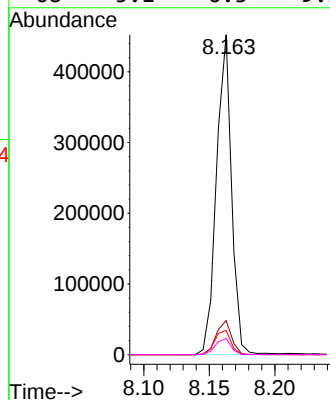
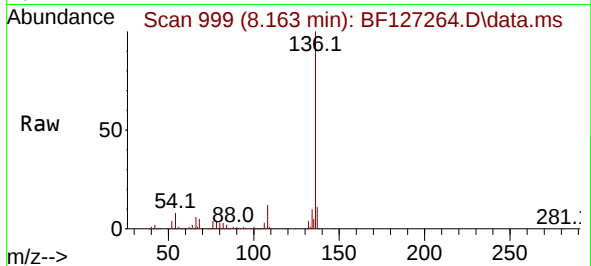




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF127264.D
Acq: 08 Mar 2022 18:00

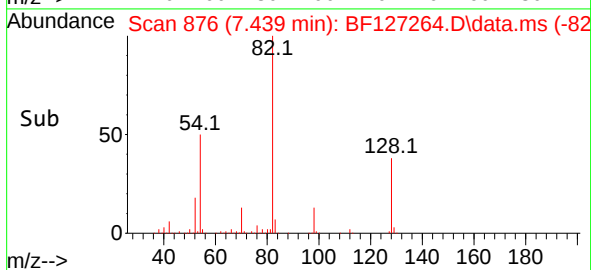
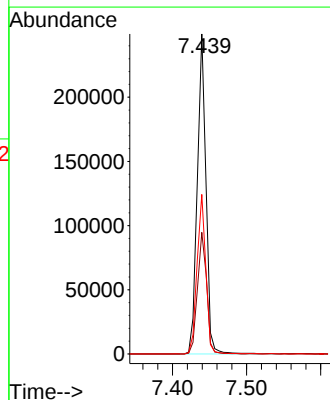
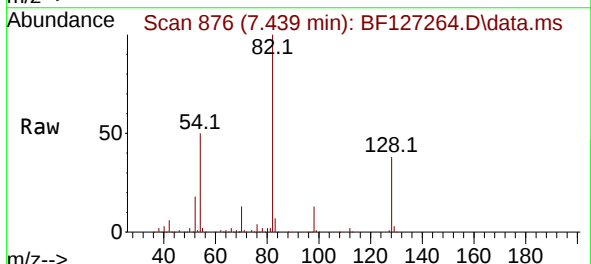
Instrument :
BNA_F
ClientSampleId :
11977

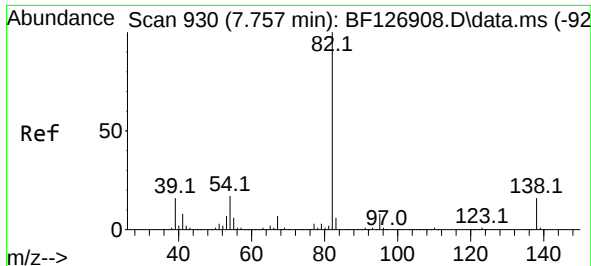
Tgt Ion:136 Resp: 362066
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 7.6 7.8 11.6#
68 5.1 6.3 9.5#



#23
Nitrobenzene-d5
Concen: 25.254 ng
RT: 7.439 min Scan# 876
Delta R.T. -0.012 min
Lab File: BF127264.D
Acq: 08 Mar 2022 18:00

Tgt Ion: 82 Resp: 202576
Ion Ratio Lower Upper
82 100
128 38.0 32.7 49.1
54 49.8 41.7 62.5

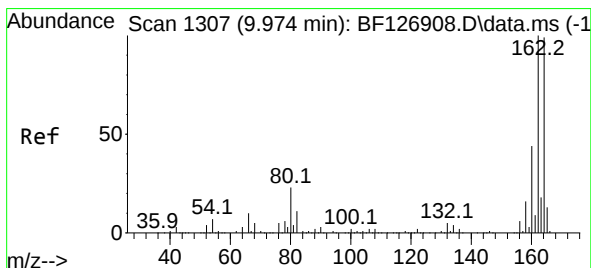
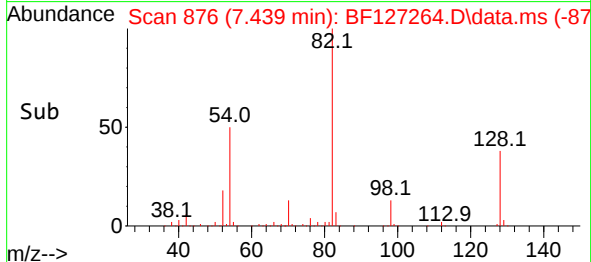
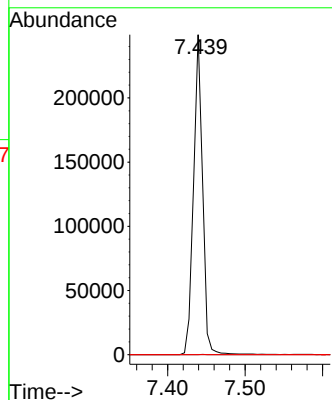
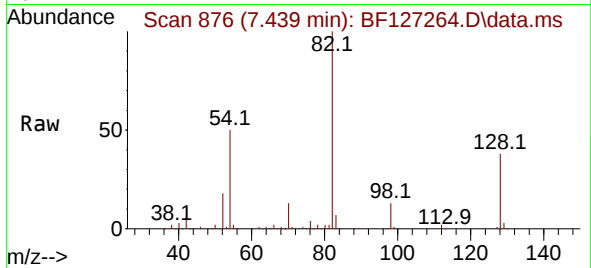




#25
Isophorone
Concen: 15.262 ng
RT: 7.439 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF127264.D
Acq: 08 Mar 2022 18:00

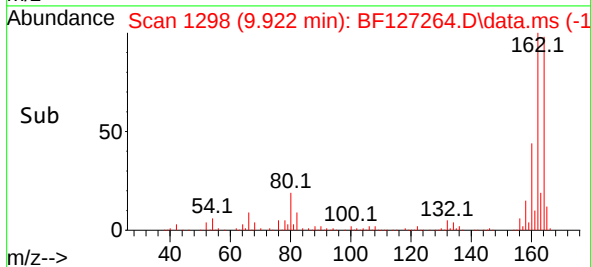
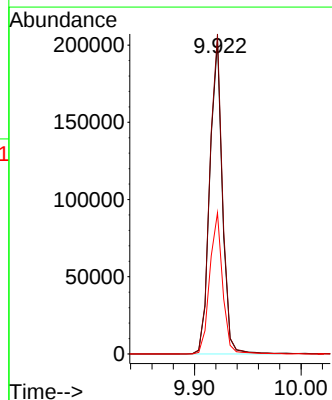
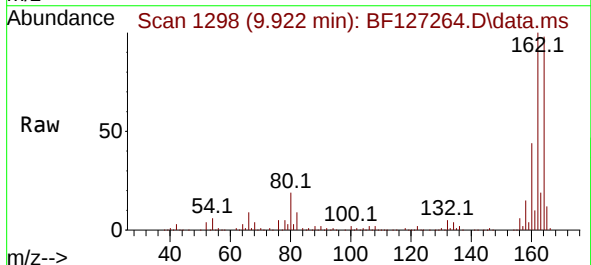
Instrument :
BNA_F
ClientSampleId :
11977

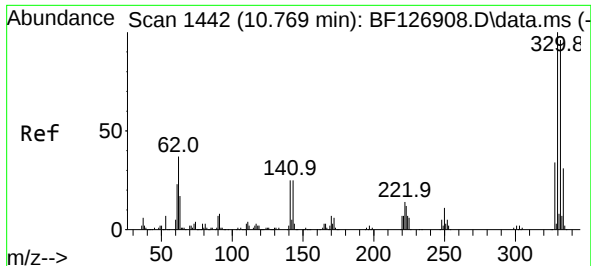
Tgt Ion: 82 Resp: 202574
Ion Ratio Lower Upper
82 100
95 0.0 5.0 7.4#
138 0.0 12.3 18.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1298
Delta R.T. -0.000 min
Lab File: BF127264.D
Acq: 08 Mar 2022 18:00

Tgt Ion: 164 Resp: 166405
Ion Ratio Lower Upper
164 100
162 102.2 81.4 122.0
160 45.1 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 27.244 ng

RT: 10.710 min Scan# 1442

Delta R.T. -0.006 min

Lab File: BF127264.D

Acq: 08 Mar 2022 18:00

Instrument :

BNA_F

ClientSampleId :

11977

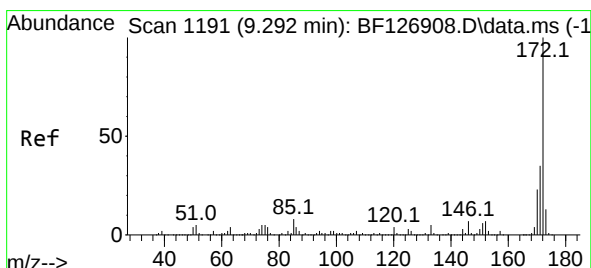
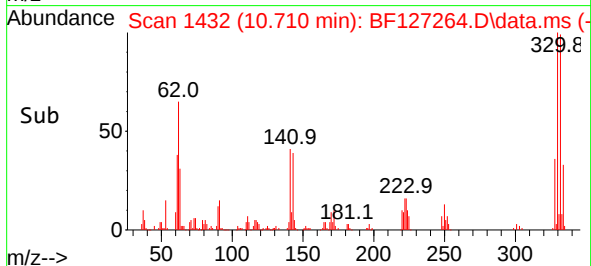
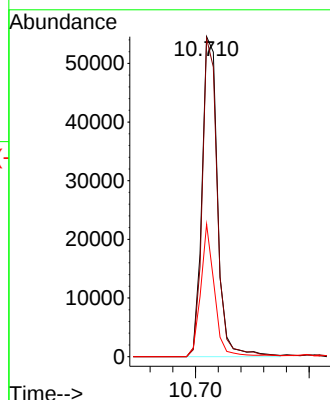
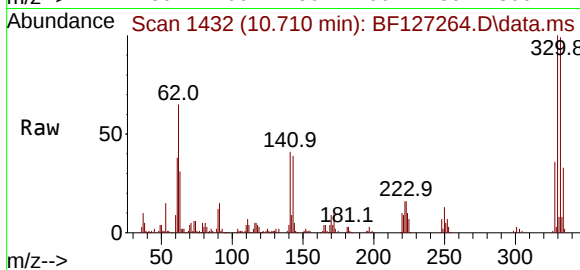
Tgt Ion:330 Resp: 52197

Ion Ratio Lower Upper

330 100

332 96.3 76.0 114.0

141 36.7 30.1 45.1



#45

2-Fluorobiphenyl

Concen: 29.150 ng

RT: 9.233 min Scan# 1181

Delta R.T. -0.006 min

Lab File: BF127264.D

Acq: 08 Mar 2022 18:00

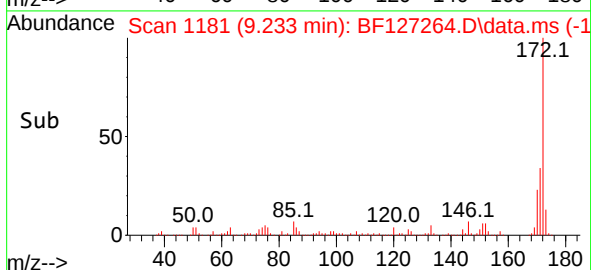
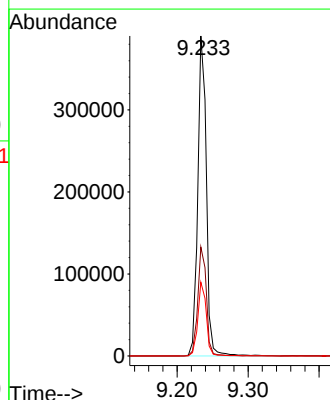
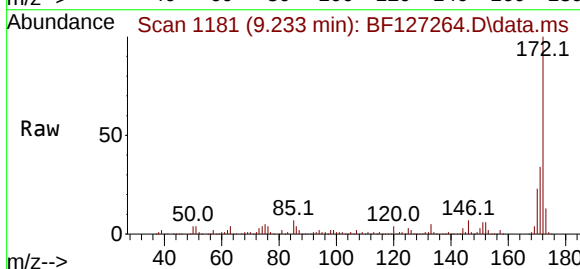
Tgt Ion:172 Resp: 329493

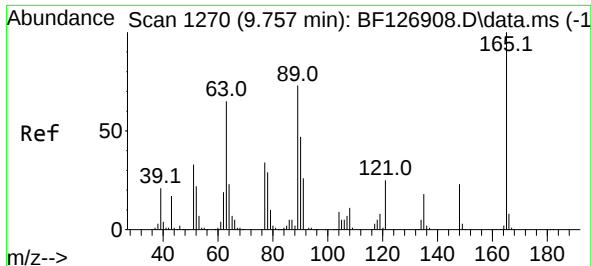
Ion Ratio Lower Upper

172 100

171 34.1 28.3 42.5

170 23.1 19.0 28.6

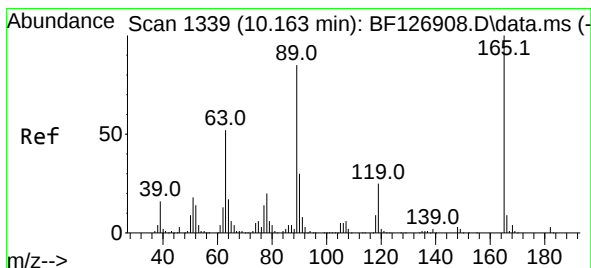
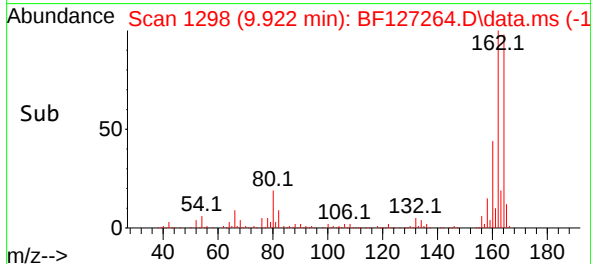
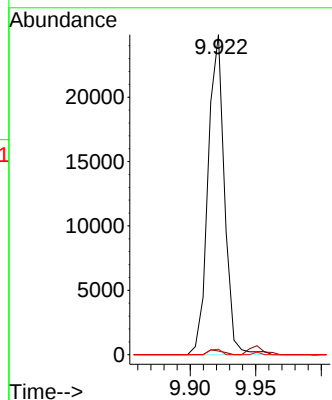
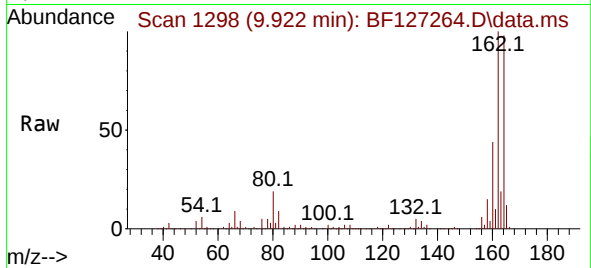




#51
2,6-Dinitrotoluene
Concen: 8.940 ng
RT: 9.922 min Scan# 11977
Delta R.T. 0.212 min
Lab File: BF127264.D
Acq: 08 Mar 2022 18:00

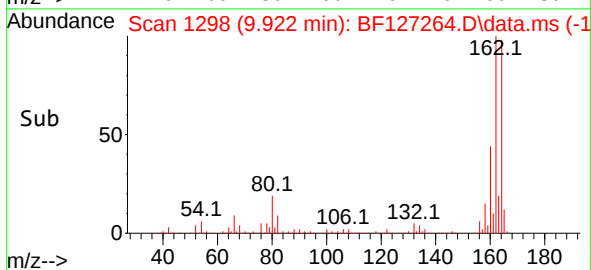
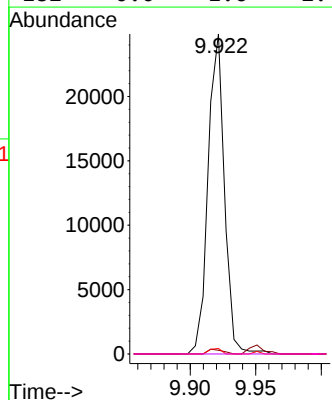
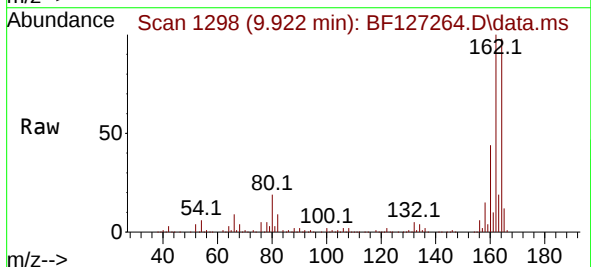
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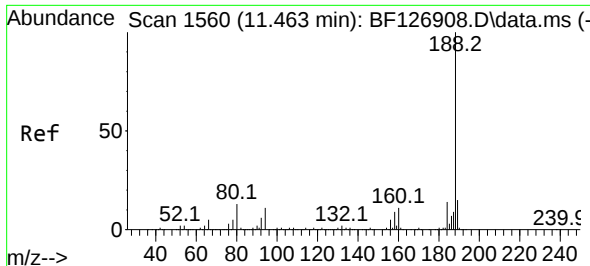
Tgt Ion:165 Resp: 21634
Ion Ratio Lower Upper
165 100
63 1.1 48.4 72.6#
89 1.7 50.5 75.7#



#57
2,4-Dinitrotoluene
Concen: 6.612 ng
RT: 9.922 min Scan# 1298
Delta R.T. -0.194 min
Lab File: BF127264.D
Acq: 08 Mar 2022 18:00

Tgt Ion:165 Resp: 21634
Ion Ratio Lower Upper
165 100
63 1.1 43.0 64.6#
89 1.7 71.0 106.4#
182 0.0 1.6 2.4#

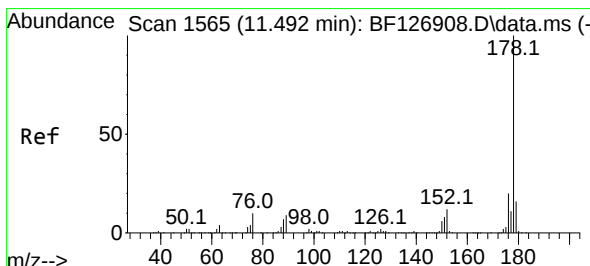
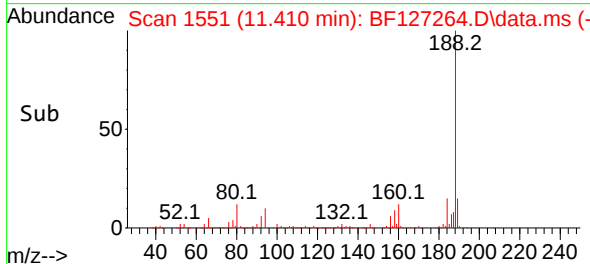
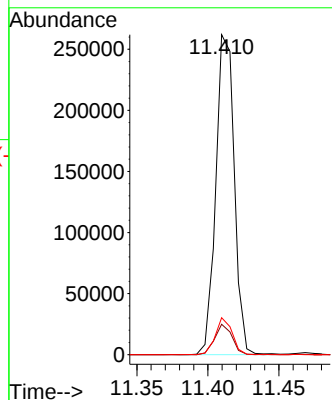
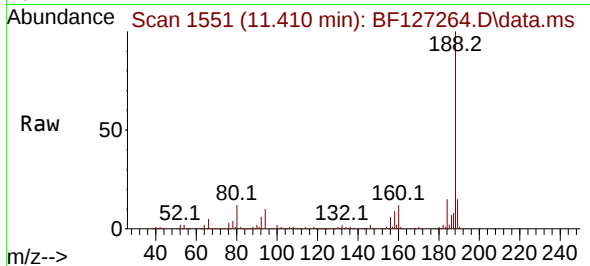




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11977
Delta R.T. -0.006 min
Lab File: BF127264.D
Acq: 08 Mar 2022 18:00

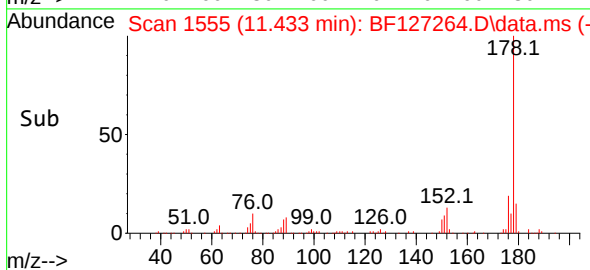
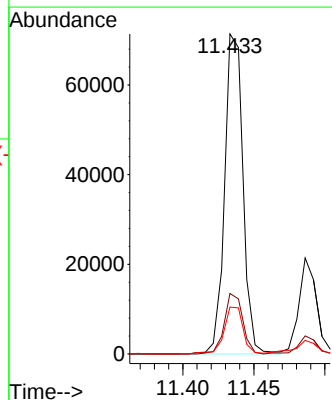
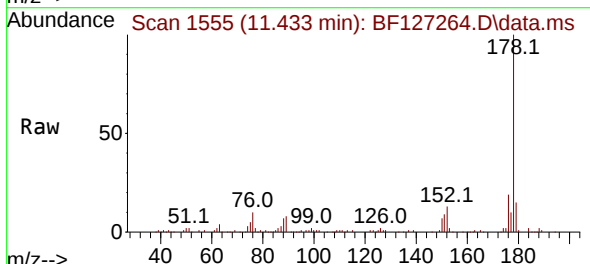
Instrument :
BNA_F
ClientSampleId :

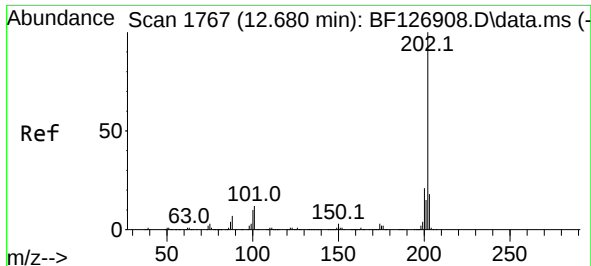
Tgt Ion:188 Resp: 237391
Ion Ratio Lower Upper
188 100
94 9.5 10.1 15.1#
80 11.6 11.8 17.6#



#71
Phenanthrene
Concen: 4.824 ng
RT: 11.433 min Scan# 1555
Delta R.T. -0.006 min
Lab File: BF127264.D
Acq: 08 Mar 2022 18:00

Tgt Ion:178 Resp: 64095
Ion Ratio Lower Upper
178 100
176 18.9 15.7 23.5
179 14.7 12.3 18.5

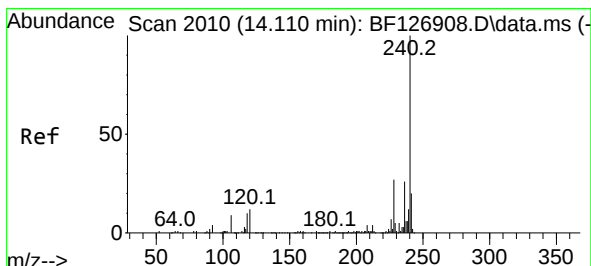
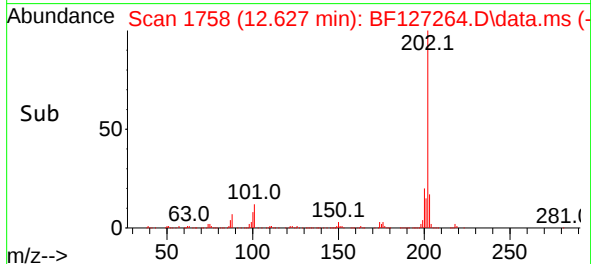
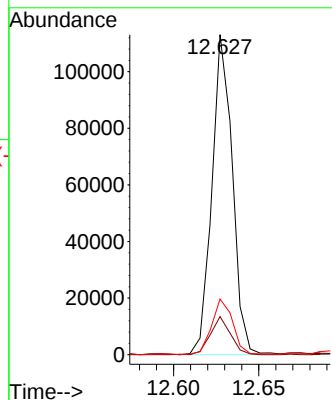
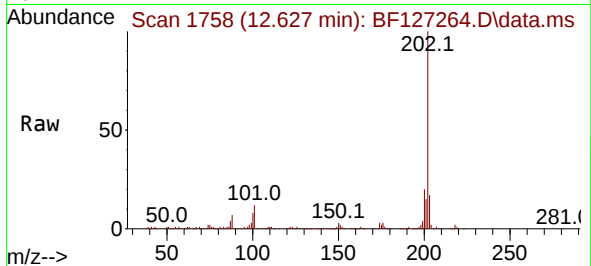




#75
Fluoranthene
Concen: 7.504 ng
RT: 12.627 min Scan# 11977
Delta R.T. -0.006 min
Lab File: BF127264.D
Acq: 08 Mar 2022 18:00

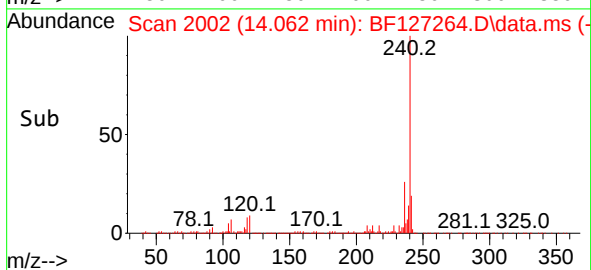
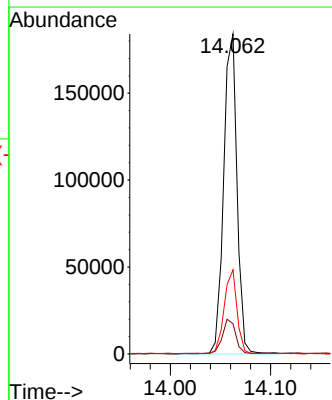
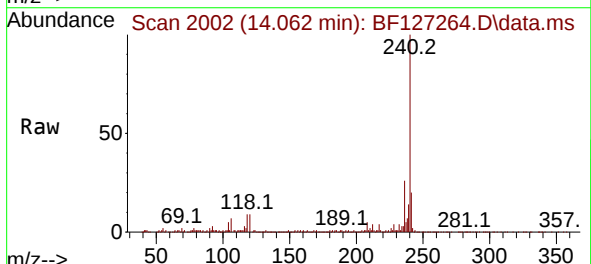
Instrument :
BNA_F
ClientSampleId :
11977

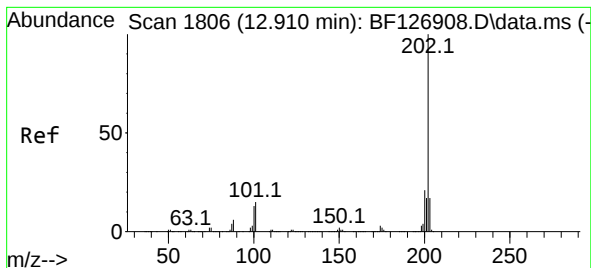
Tgt Ion:202 Resp: 94677
Ion Ratio Lower Upper
202 100
101 11.9 0.0 35.7
203 17.4 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 2002
Delta R.T. -0.000 min
Lab File: BF127264.D
Acq: 08 Mar 2022 18:00

Tgt Ion:240 Resp: 169858
Ion Ratio Lower Upper
240 100
120 9.4 14.4 21.6#
236 26.3 20.5 30.7





#78

Pyrene

Concen: 5.709 ng

RT: 12.857 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF127264.D

Acq: 08 Mar 2022 18:00

Instrument :

BNA_F

ClientSampleId :

11977

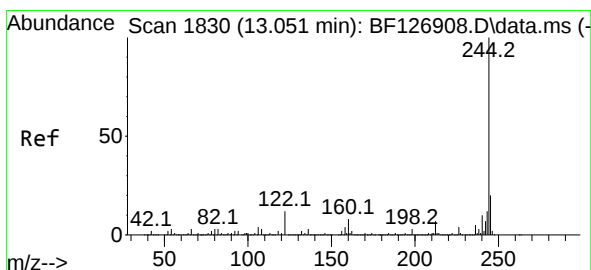
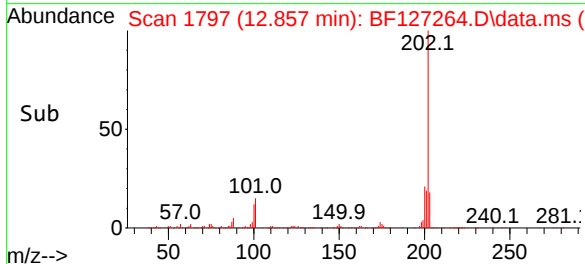
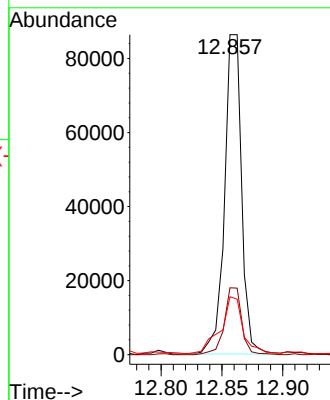
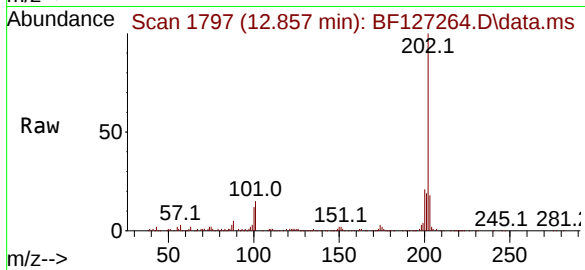
Tgt Ion:202 Resp: 84251

Ion Ratio Lower Upper

202 100

200 20.9 16.6 24.8

203 18.1 13.8 20.8



#79

Terphenyl-d14

Concen: 20.940 ng

RT: 12.998 min Scan# 1821

Delta R.T. -0.000 min

Lab File: BF127264.D

Acq: 08 Mar 2022 18:00

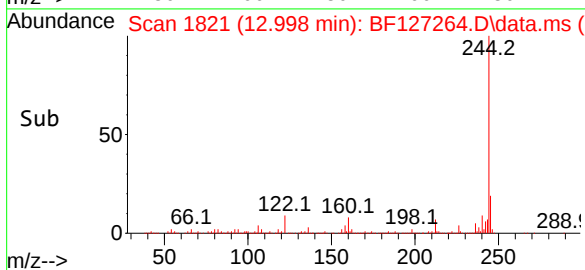
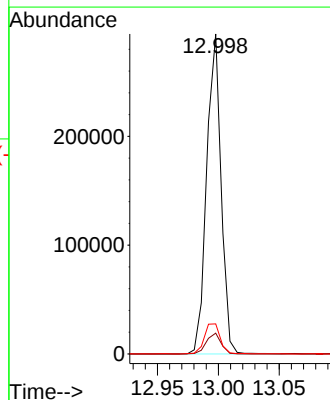
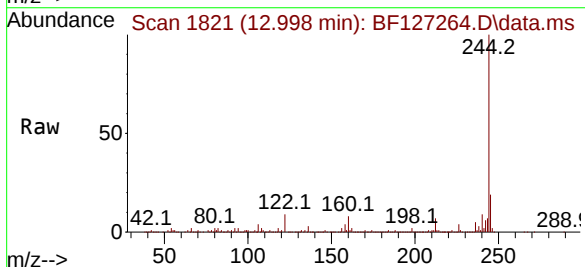
Tgt Ion:244 Resp: 241951

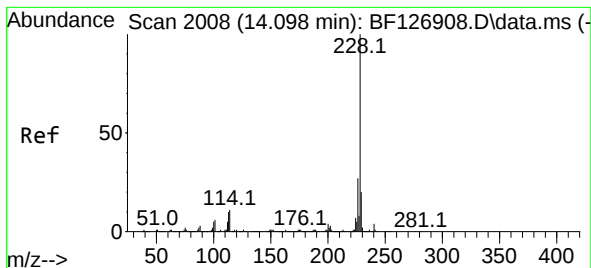
Ion Ratio Lower Upper

244 100

212 6.5 5.0 7.4

122 9.4 13.3 19.9#





#81

Benzo(a)anthracene

Concen: 4.500 ng

RT: 14.051 min Scan# 2000

Delta R.T. -0.000 min

Lab File: BF127264.D

Acq: 08 Mar 2022 18:00

Instrument :

BNA_F

ClientSampleId :

11977

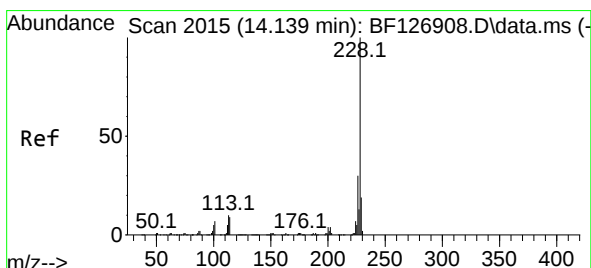
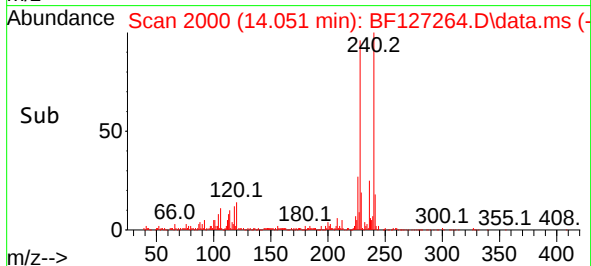
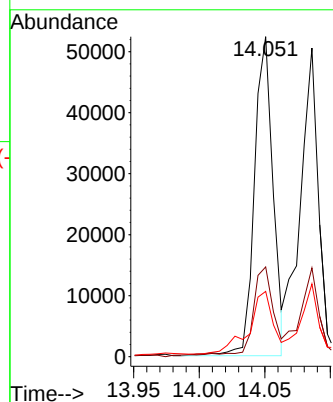
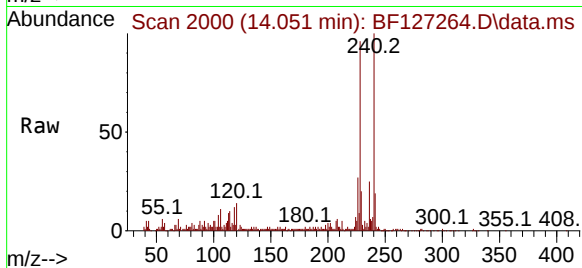
Tgt Ion:228 Resp: 51533

Ion Ratio Lower Upper

228 100

226 28.1 21.4 32.0

229 20.4 15.4 23.2



#83

Chrysene

Concen: 4.786 ng

RT: 14.051 min Scan# 2000

Delta R.T. -0.035 min

Lab File: BF127264.D

Acq: 08 Mar 2022 18:00

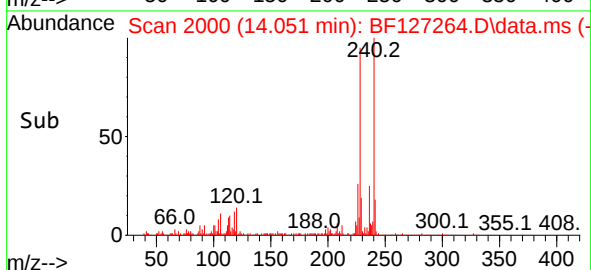
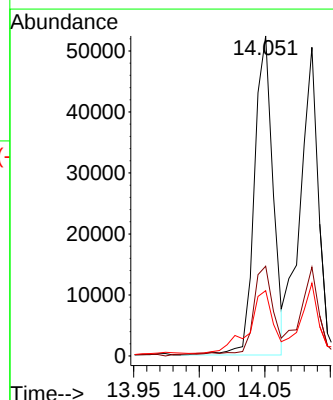
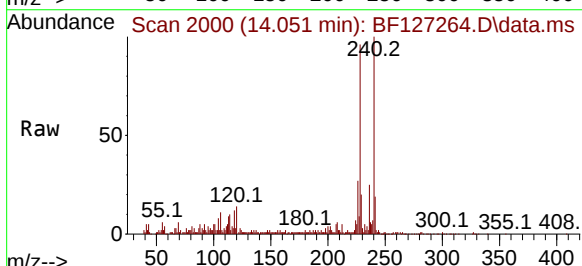
Tgt Ion:228 Resp: 51533

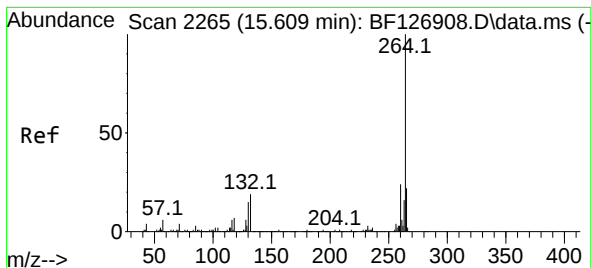
Ion Ratio Lower Upper

228 100

226 28.1 23.7 35.5

229 20.4 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF127264.D

Acq: 08 Mar 2022 18:00

Instrument :

BNA_F

ClientSampleId :

11977

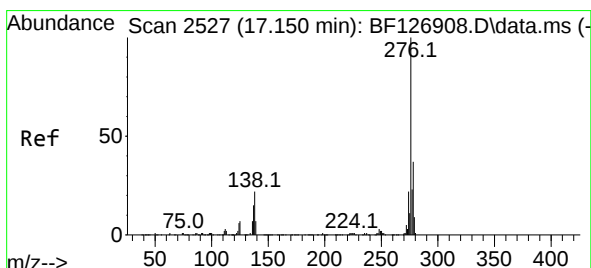
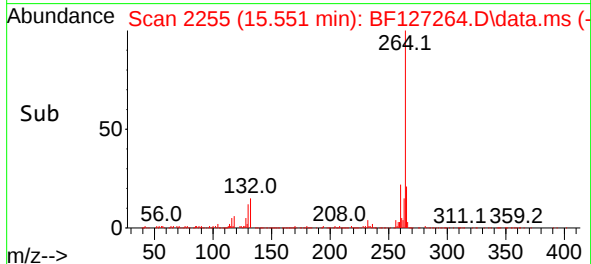
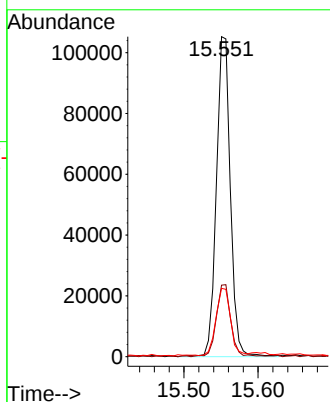
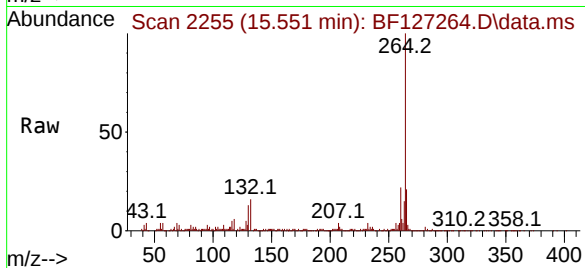
Tgt Ion:264 Resp: 137566

Ion Ratio Lower Upper

264 100

260 22.3 19.2 28.8

265 21.3 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.387 ng

RT: 17.062 min Scan# 2512

Delta R.T. 0.006 min

Lab File: BF127264.D

Acq: 08 Mar 2022 18:00

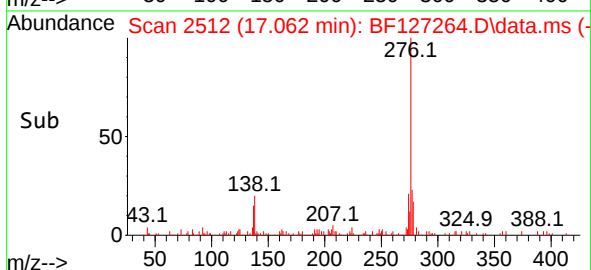
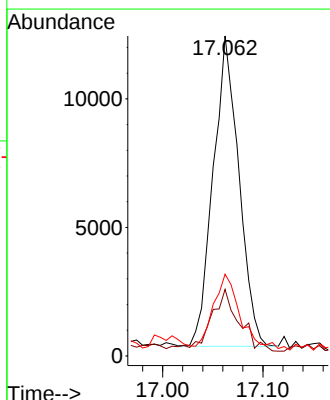
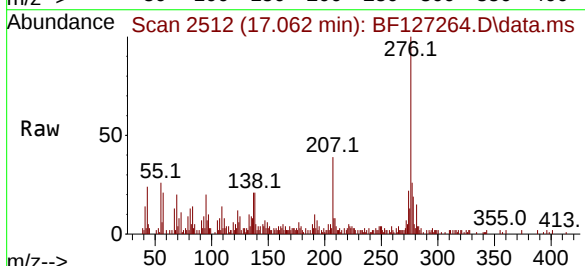
Tgt Ion:276 Resp: 21531

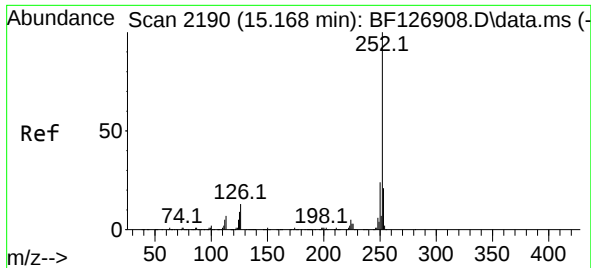
Ion Ratio Lower Upper

276 100

138 21.0 29.2 43.8#

277 26.1 19.8 29.8

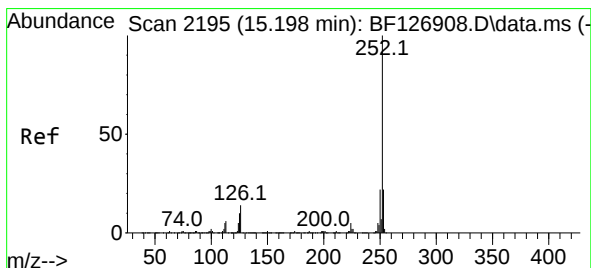
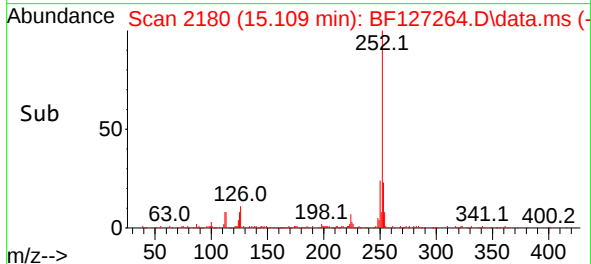
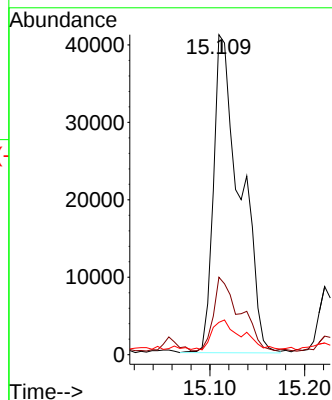
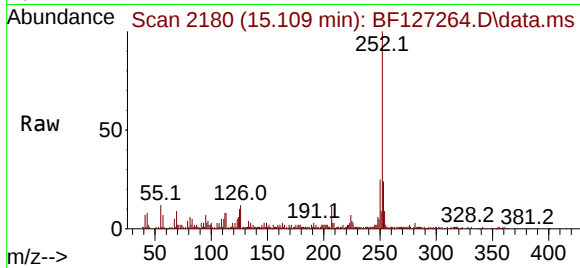




#88
Benzo(b)fluoranthene
Concen: 8.676 ng
RT: 15.109 min Scan# 2190
Delta R.T. -0.000 min
Lab File: BF127264.D
Acq: 08 Mar 2022 18:00

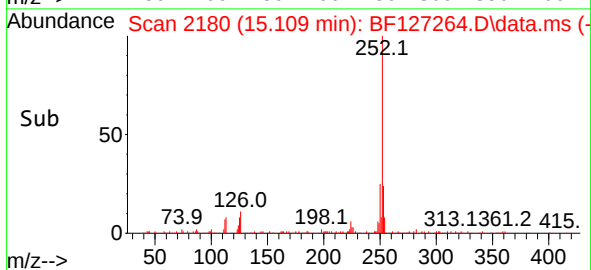
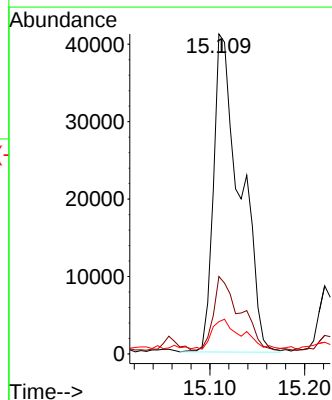
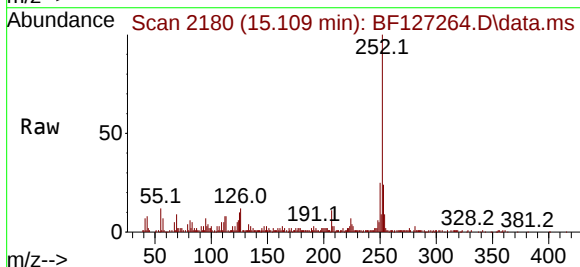
Instrument :
BNA_F
ClientSampleId :
11977

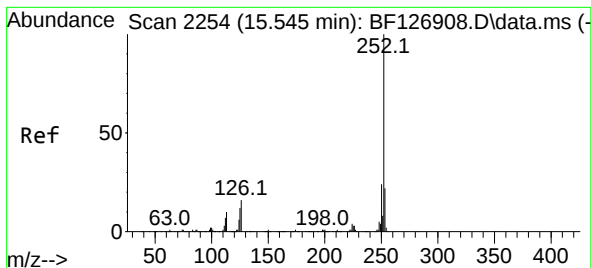
Tgt Ion:252 Resp: 80158
Ion Ratio Lower Upper
252 100
253 24.2 17.8 26.8
125 10.1 12.4 18.6#



#89
Benzo(k)fluoranthene
Concen: 8.995 ng
RT: 15.109 min Scan# 2180
Delta R.T. -0.030 min
Lab File: BF127264.D
Acq: 08 Mar 2022 18:00

Tgt Ion:252 Resp: 80158
Ion Ratio Lower Upper
252 100
253 24.2 17.5 26.3
125 10.1 11.8 17.6#





#90

Benzo(a)pyrene

Concen: 3.766 ng

RT: 15.421 min Scan# 21

Delta R.T. -0.065 min

Lab File: BF127264.D

Acq: 08 Mar 2022 18:00

Instrument :

BNA_F

ClientSampleId :

11977

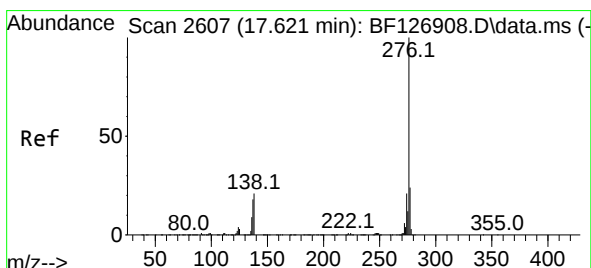
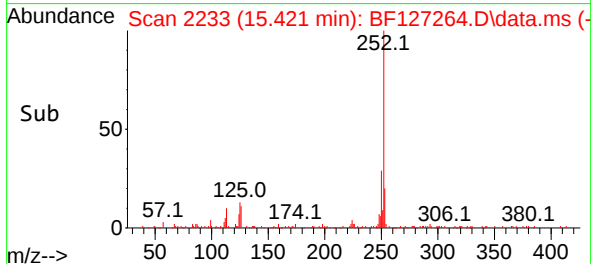
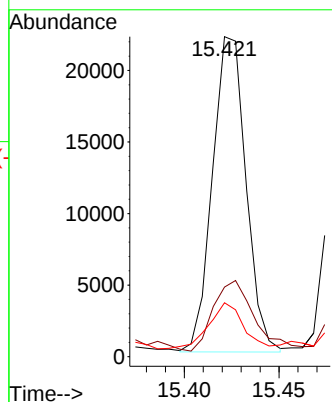
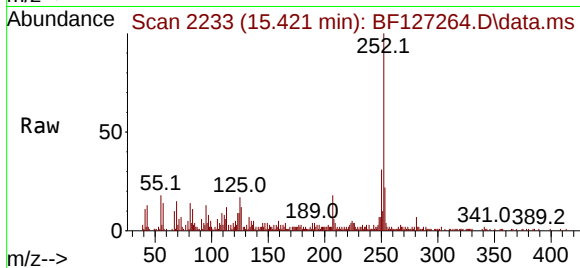
Tgt Ion:252 Resp: 27179

Ion Ratio Lower Upper

252 100

253 21.7 17.1 25.7

125 16.8 13.0 19.6



#92

Benzo(g,h,i)perylene

Concen: 2.715 ng

RT: 17.521 min Scan# 2590

Delta R.T. -0.000 min

Lab File: BF127264.D

Acq: 08 Mar 2022 18:00

Tgt Ion:276 Resp: 19967

Ion Ratio Lower Upper

276 100

277 28.1 18.5 27.7#

138 17.6 25.9 38.9#

