

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042123\
 Data File : BF132979.D
 Acq On : 21 Apr 2023 20:33
 Operator : CG\JU
 Sample : 02270-13
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-24-0-2-20230411

Quant Time: Apr 22 04:30:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 22 03:30:56 2023
 Response via : Initial Calibration

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

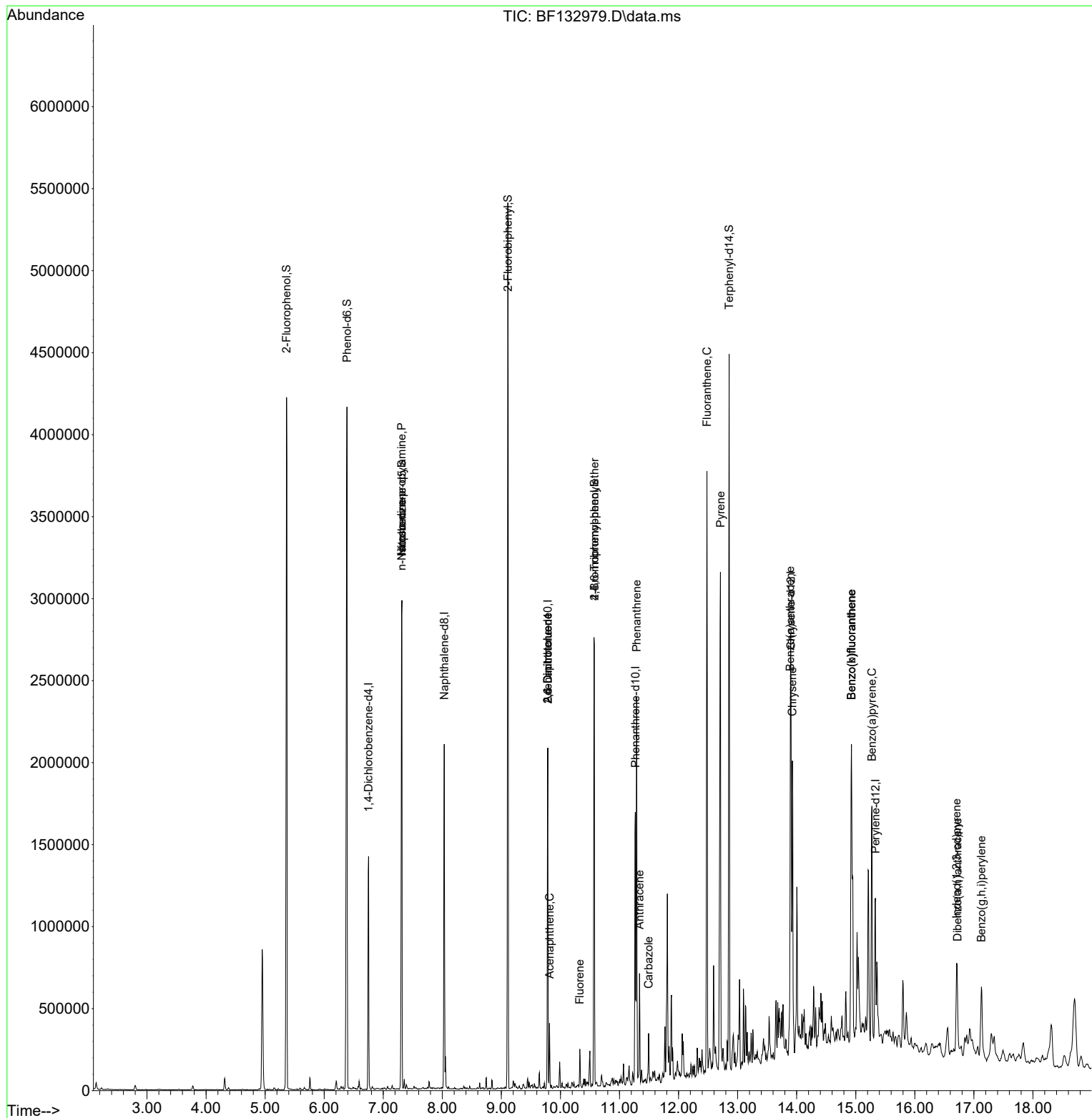
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.751	152	202499	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	806163	20.000	ng	0.00
39) Acenaphthene-d10	9.786	164	380867	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	593765	20.000	ng	0.00
76) Chrysene-d12	13.904	240	353432	20.000	ng	0.00
86) Perylene-d12	15.333	264	368558	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	1341728	100.091	ng	0.01
7) Phenol-d6	6.387	99	1630265	97.981	ng	0.00
23) Nitrobenzene-d5	7.316	82	1013622	67.867	ng	0.00
42) 2,4,6-Tribromophenol	10.575	330	344069	89.827	ng	0.00
45) 2-Fluorobiphenyl	9.110	172	1644479	72.236	ng	0.00
79) Terphenyl-d14	12.857	244	1433289	69.941	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.293	77	3405	Below Cal		97
19) n-Nitroso-di-n-propyla...	7.310	70	135108	13.043 ng	#	78
25) Isophorone	7.316	82	1010262	35.626 ng	#	63
51) 2,6-Dinitrotoluene	9.786	165	49915	8.351 ng	#	25
52) Acenaphthene	9.816	154	70108	2.964 ng		100
57) 2,4-Dinitrotoluene	9.786	165	49915	6.548 ng	#	23
58) Fluorene	10.328	166	54846	2.320 ng		98
67) 4-Bromophenyl-phenylether	10.575	248	21347	3.315 ng	#	1
71) Phenanthrene	11.292	178	783062	24.537 ng		100
72) Anthracene	11.339	178	211953	6.490 ng		98
73) Carbazole	11.492	167	99440	3.419 ng		99
75) Fluoranthene	12.480	202	1441756	45.015 ng		100
78) Pyrene	12.710	202	1306105	43.110 ng		100
81) Benzo(a)anthracene	13.892	228	780414	32.110 ng		98
83) Chrysene	13.927	228	675246	27.790 ng		97
87) Indeno(1,2,3-cd)pyrene	16.709	276	368661	17.585 ng		97
88) Benzo(b)fluoranthene	14.927	252	1330193	56.731 ng	#	97
89) Benzo(k)fluoranthene	14.927	252	1330193	57.230 ng	#	97
90) Benzo(a)pyrene	15.274	252	651810	30.541 ng		98
91) Dibenzo(a,h)anthracene	16.721	278	100951	5.773 ng		93
92) Benzo(g,h,i)perylene	17.127	276	334665	19.387 ng		99

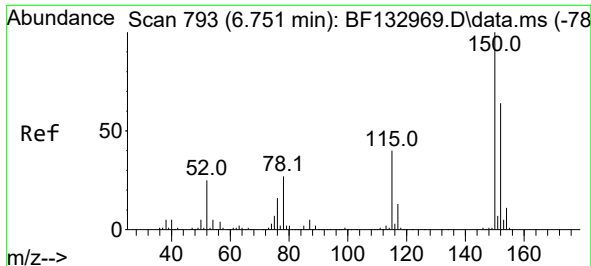
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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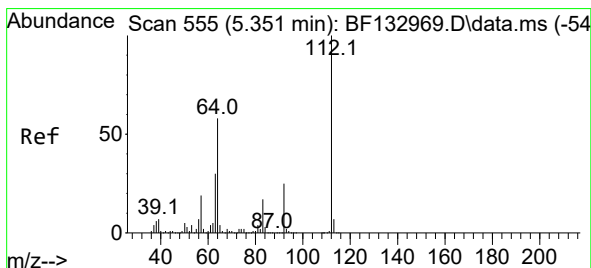
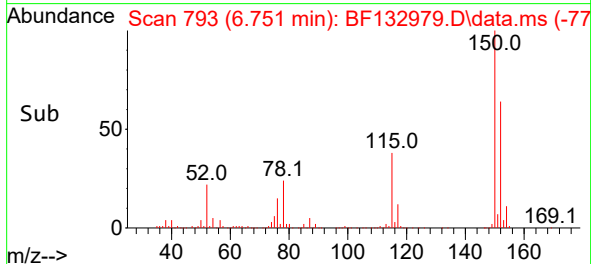
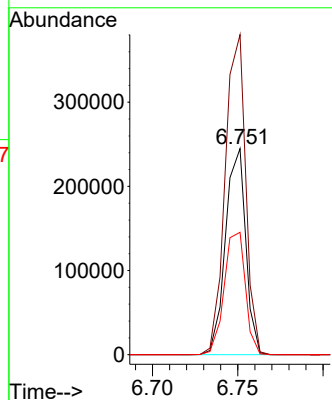
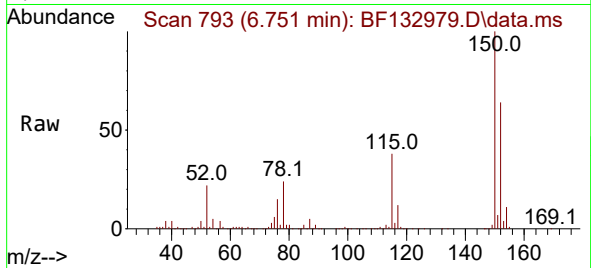




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.751 min Scan# 793
Delta R.T. 0.000 min
Lab File: BF132979.D
Acq: 21 Apr 2023 20:33

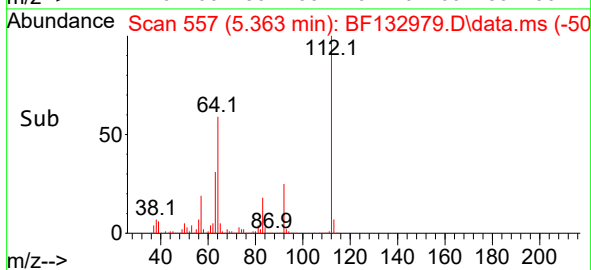
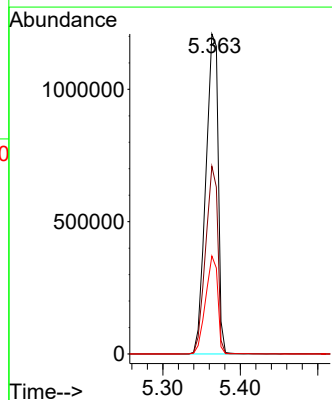
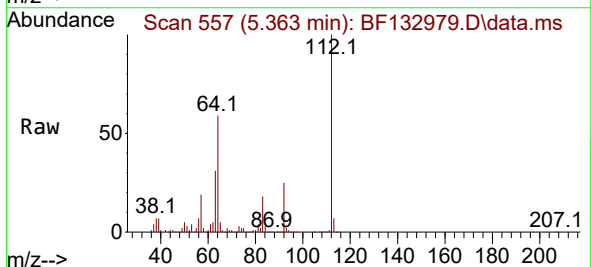
Instrument :
BNA_F
ClientSampleId :
SB-24-0-2-20230411

Tgt Ion:152 Resp: 202499
Ion Ratio Lower Upper
152 100
150 155.3 124.8 187.2
115 59.4 49.9 74.9



#5
2-Fluorophenol
Concen: 100.091 ng
RT: 5.363 min Scan# 557
Delta R.T. 0.012 min
Lab File: BF132979.D
Acq: 21 Apr 2023 20:33

Tgt Ion:112 Resp: 1341728
Ion Ratio Lower Upper
112 100
64 58.7 46.8 70.2
63 30.6 23.8 35.8

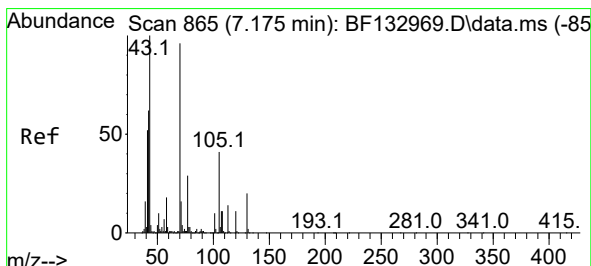
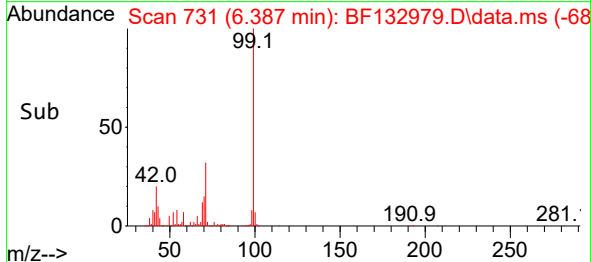
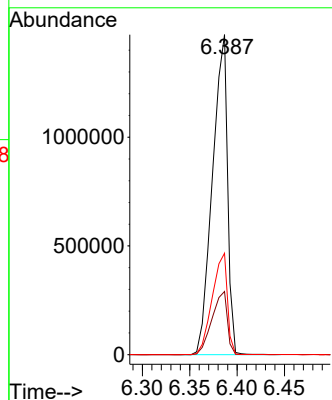
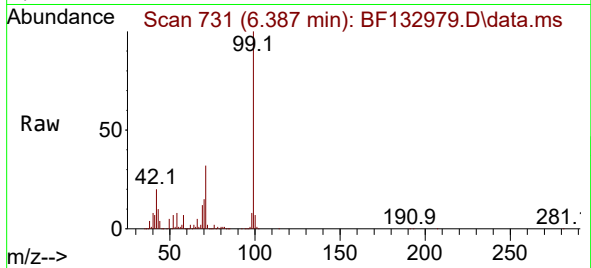




#7
Phenol-d6
Concen: 97.981 ng
RT: 6.387 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF132979.D
Acq: 21 Apr 2023 20:33

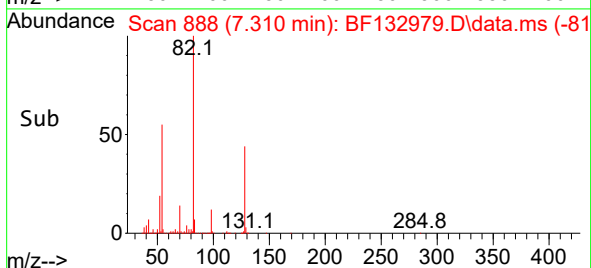
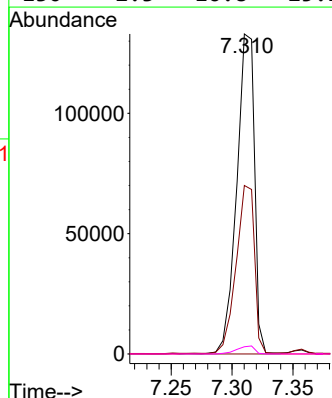
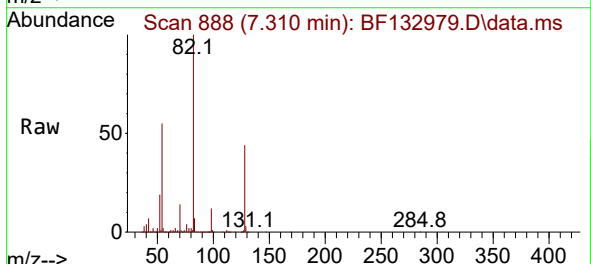
Instrument :
BNA_F
ClientSampleId :
SB-24-0-2-20230411

Tgt Ion: 99 Resp: 1630265
Ion Ratio Lower Upper
99 100
42 19.8 16.3 24.5
71 31.7 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 13.043 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.135 min
Lab File: BF132979.D
Acq: 21 Apr 2023 20:33

Tgt Ion: 70 Resp: 135108
Ion Ratio Lower Upper
70 100
42 52.7 51.8 77.6
101 0.0 8.0 12.0#
130 2.3 16.8 25.2#

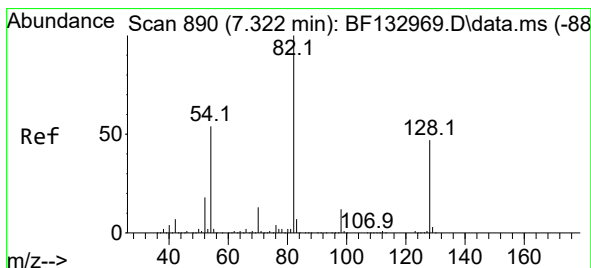
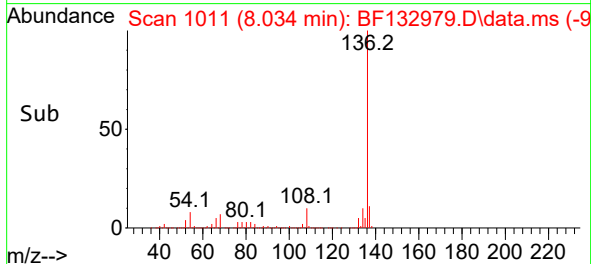
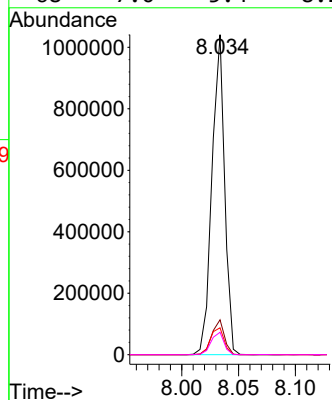
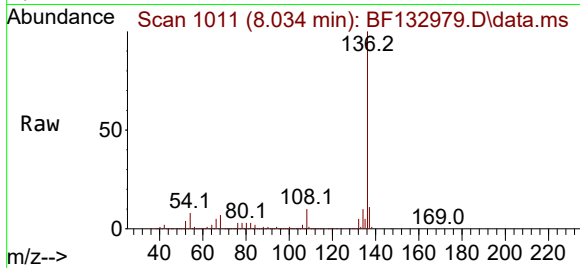




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.034 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF132979.D
Acq: 21 Apr 2023 20:33

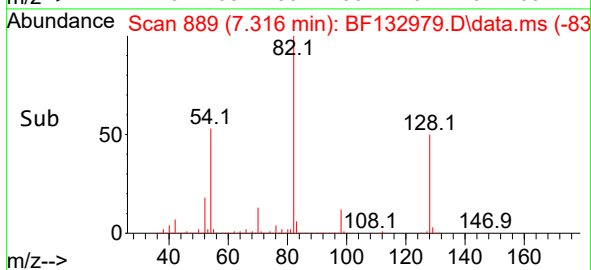
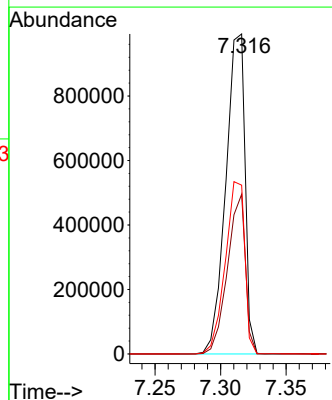
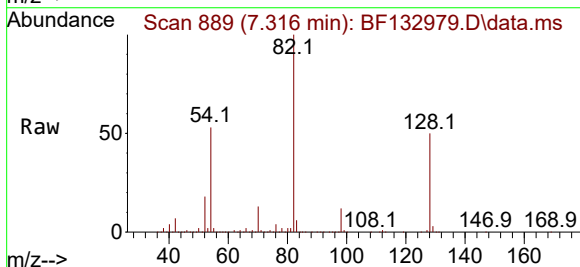
Instrument :
BNA_F
ClientSampleId :
SB-24-0-2-20230411

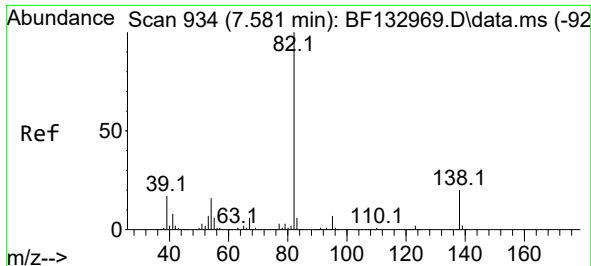
Tgt Ion:136 Resp: 806163
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.4 7.0 10.4
68 7.0 5.4 8.2



#23
Nitrobenzene-d5
Concen: 67.867 ng
RT: 7.316 min Scan# 889
Delta R.T. -0.006 min
Lab File: BF132979.D
Acq: 21 Apr 2023 20:33

Tgt Ion: 82 Resp: 1013622
Ion Ratio Lower Upper
82 100
128 49.9 37.7 56.5
54 52.8 43.0 64.4

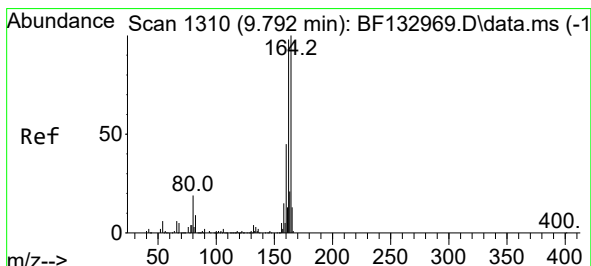
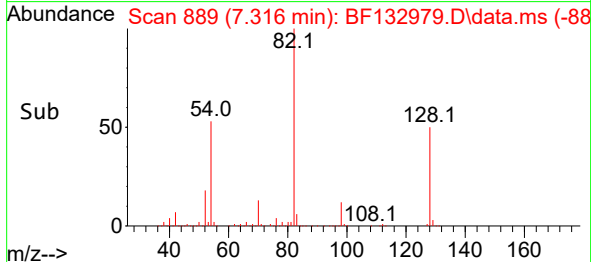
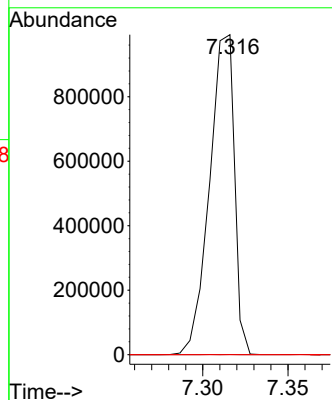
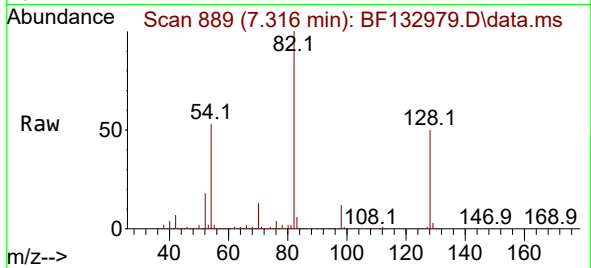




#25
Isophorone
Concen: 35.626 ng
RT: 7.316 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF132979.D
Acq: 21 Apr 2023 20:33

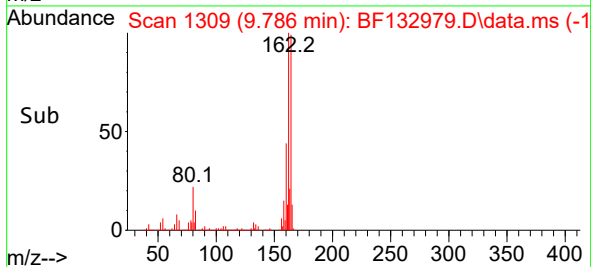
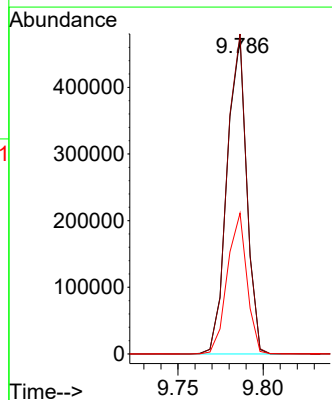
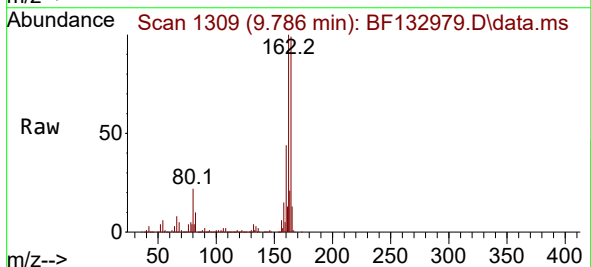
Instrument :
BNA_F
ClientSampleId :
SB-24-0-2-20230411

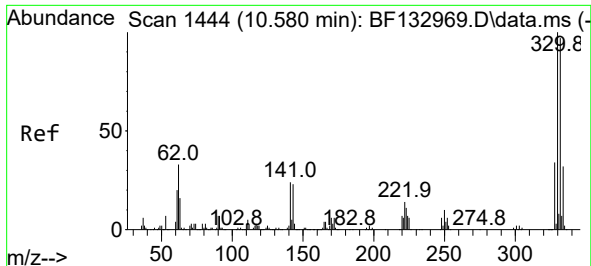
Tgt Ion: 82 Resp: 1010262
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.786 min Scan# 1309
Delta R.T. -0.006 min
Lab File: BF132979.D
Acq: 21 Apr 2023 20:33

Tgt Ion: 164 Resp: 380867
Ion Ratio Lower Upper
164 100
162 101.2 78.7 118.1
160 44.5 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 89.827 ng

RT: 10.575 min Scan# 1444

Delta R.T. -0.006 min

Lab File: BF132979.D

Acq: 21 Apr 2023 20:33

Instrument :

BNA_F

ClientSampleId :

SB-24-0-2-20230411

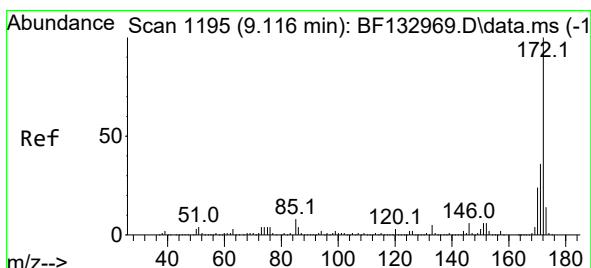
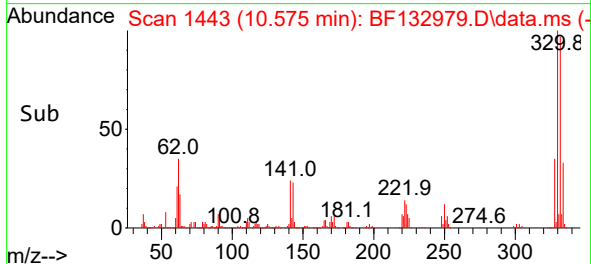
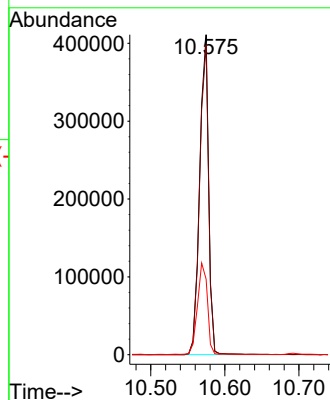
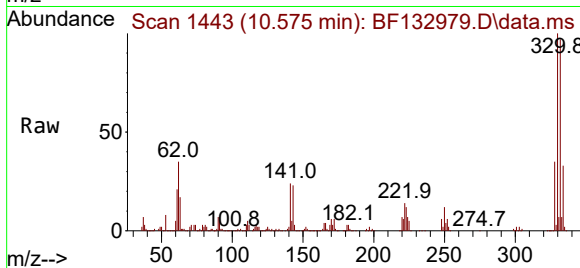
Tgt Ion:330 Resp: 344069

Ion Ratio Lower Upper

330 100

332 96.9 77.1 115.7

141 32.2 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 72.236 ng

RT: 9.110 min Scan# 1194

Delta R.T. -0.006 min

Lab File: BF132979.D

Acq: 21 Apr 2023 20:33

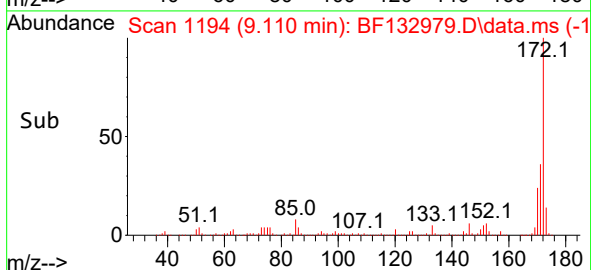
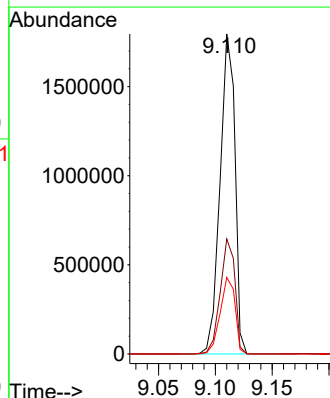
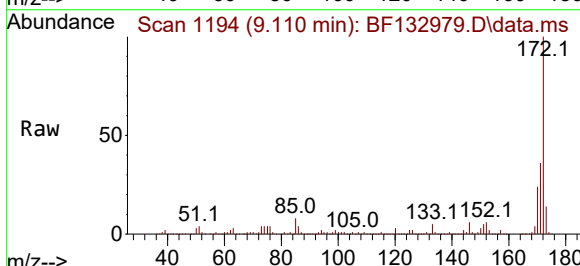
Tgt Ion:172 Resp: 1644479

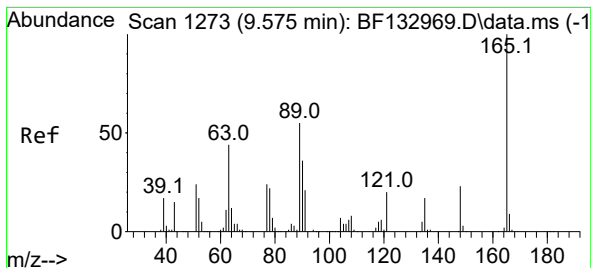
Ion Ratio Lower Upper

172 100

171 35.9 28.8 43.2

170 23.9 19.4 29.2





#51

2,6-Dinitrotoluene

Concen: 8.351 ng

RT: 9.786 min Scan# 1

Delta R.T. 0.212 min

Lab File: BF132979.D

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Instrument :

BNA_F

ClientSampleId :

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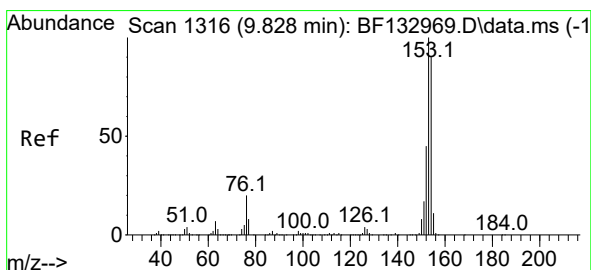
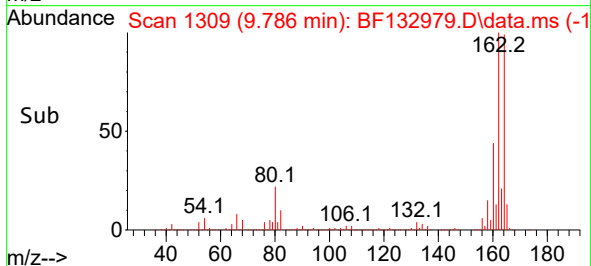
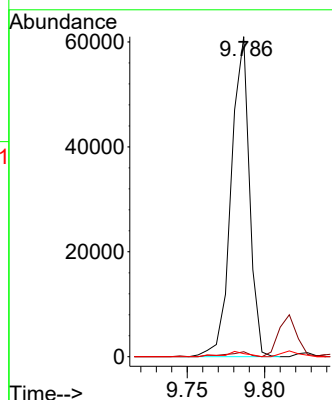
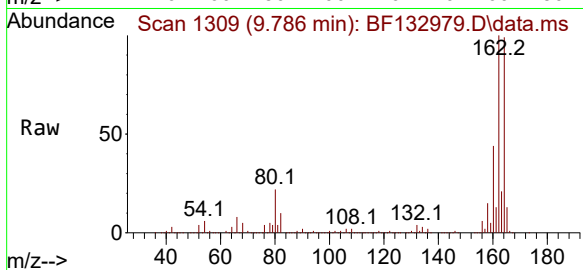
Tgt Ion:165 Resp: 49915

Ion Ratio Lower Upper

165 100

63 1.5 45.9 68.9#

89 1.0 44.0 66.0#



#52

Acenaphthene

Concen: 2.964 ng

RT: 9.816 min Scan# 1314

Delta R.T. -0.012 min

Lab File: BF132979.D

Acq: 21 Apr 2023 20:33

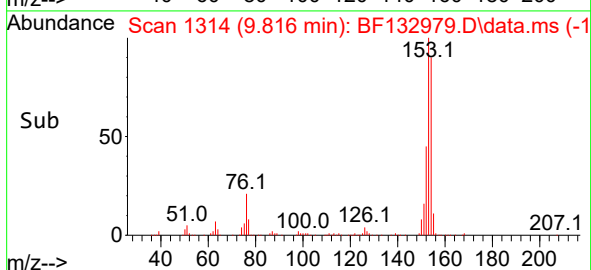
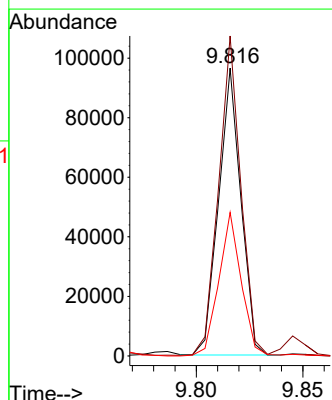
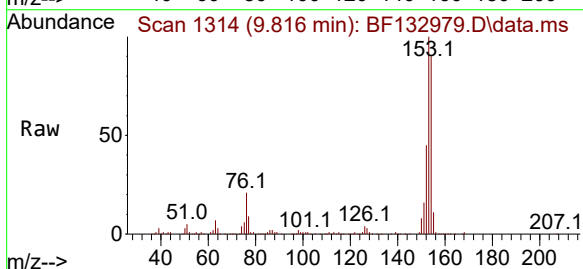
Tgt Ion:154 Resp: 70108

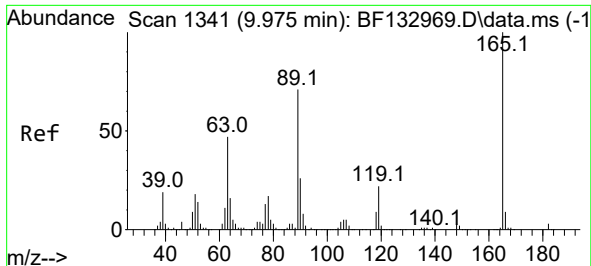
Ion Ratio Lower Upper

154 100

153 111.2 89.0 133.6

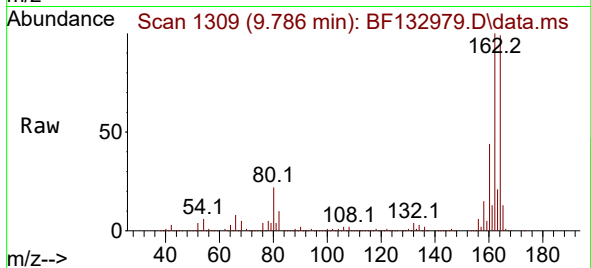
152 49.9 40.4 60.6



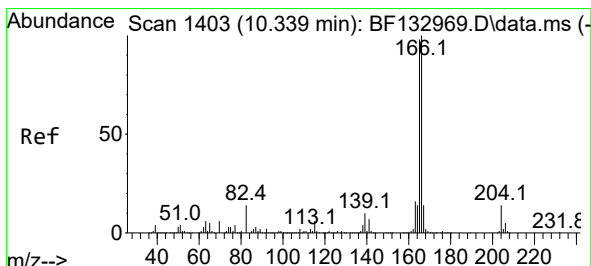
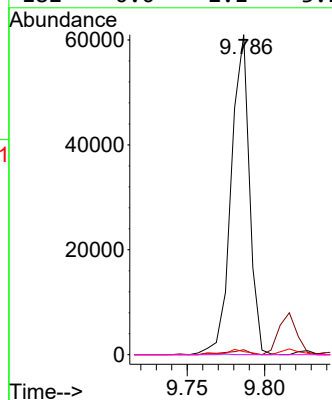
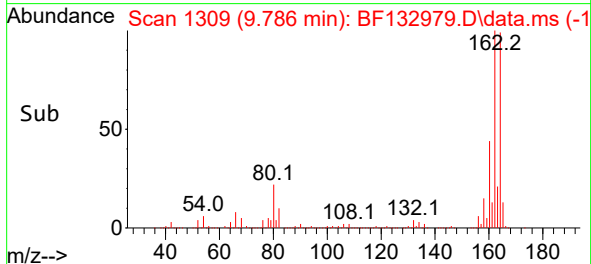


#57
2,4-Dinitrotoluene
Concen: 6.548 ng
RT: 9.786 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF132979.D
Acq: 21 Apr 2023 20:33

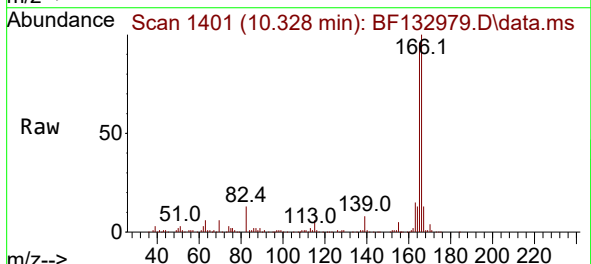
Instrument :
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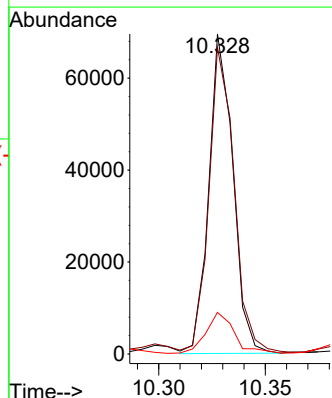
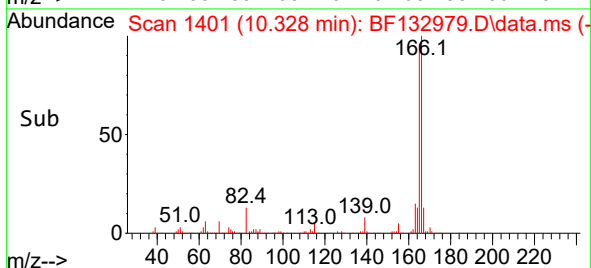
Tgt Ion:165 Resp: 49915
Ion Ratio Lower Upper
165 100
63 1.5 37.7 56.5#
89 1.0 57.0 85.4#
182 0.0 2.1 3.1#

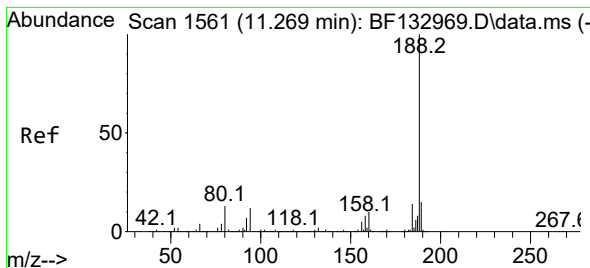


#58
Fluorene
Concen: 2.320 ng
RT: 10.328 min Scan# 1401
Delta R.T. -0.012 min
Lab File: BF132979.D
Acq: 21 Apr 2023 20:33



Tgt Ion:166 Resp: 54846
Ion Ratio Lower Upper
166 100
165 95.8 78.6 117.8
167 13.0 11.0 16.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.269 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF132979.D

Acq: 21 Apr 2023 20:33

Instrument :

BNA_F

ClientSampleId :

SB-24-0-2-20230411

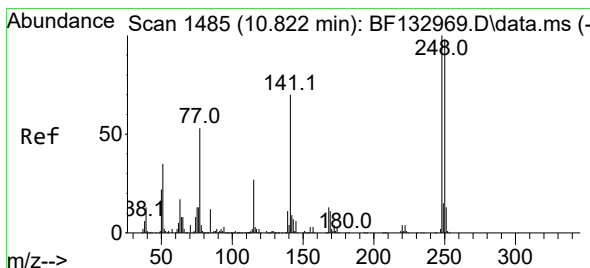
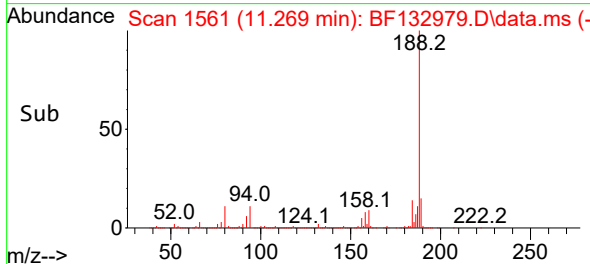
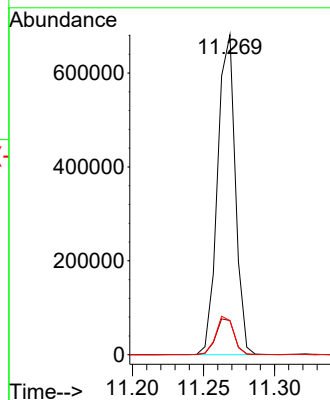
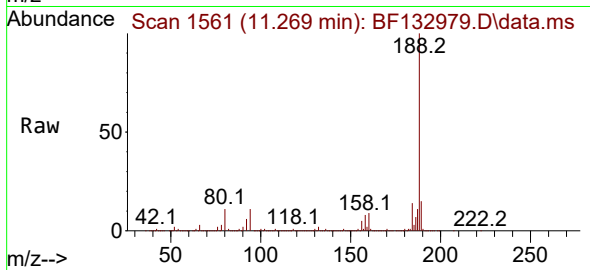
Tgt Ion:188 Resp: 593765

Ion Ratio Lower Upper

188 100

94 10.7 9.7 14.5

80 10.7 10.4 15.6



#67

4-Bromophenyl-phenylether

Concen: 3.315 ng

RT: 10.575 min Scan# 1443

Delta R.T. -0.247 min

Lab File: BF132979.D

Acq: 21 Apr 2023 20:33

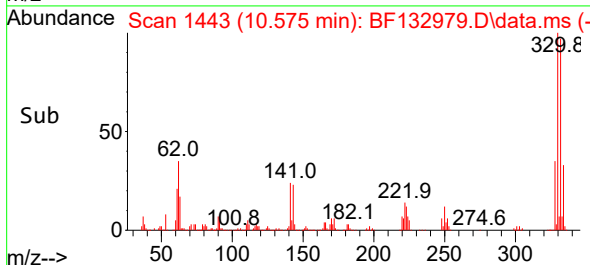
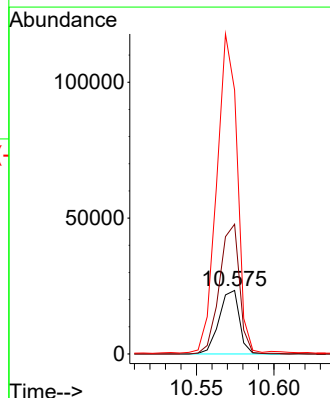
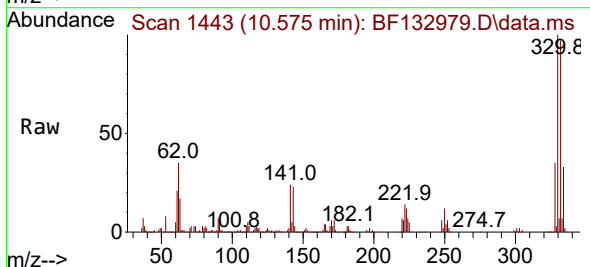
Tgt Ion:248 Resp: 21347

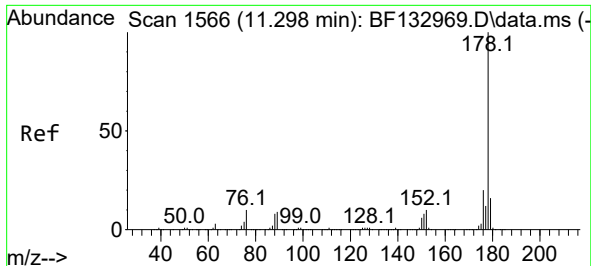
Ion Ratio Lower Upper

248 100

250 204.4 78.7 118.1#

141 415.6 56.3 84.5#

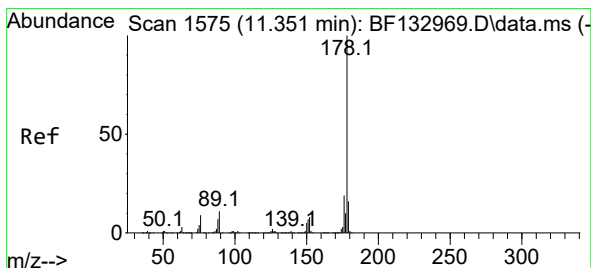
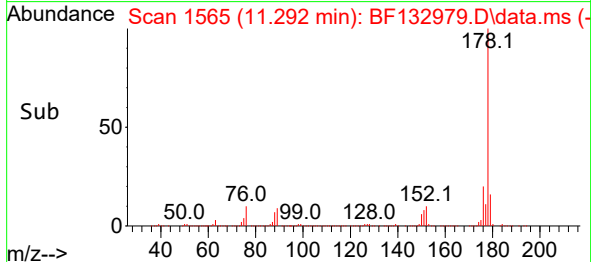
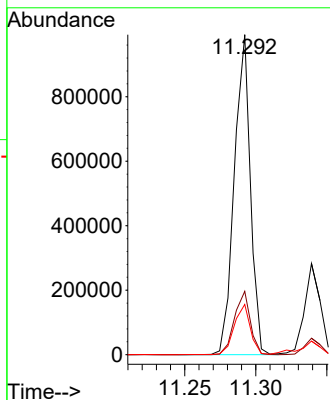
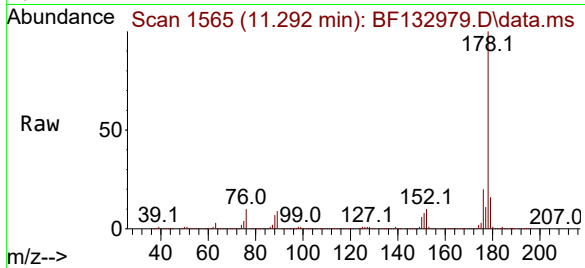




#71
Phenanthrene
Concen: 24.537 ng
RT: 11.292 min Scan# 1565
Delta R.T. -0.006 min
Lab File: BF132979.D
Acq: 21 Apr 2023 20:33

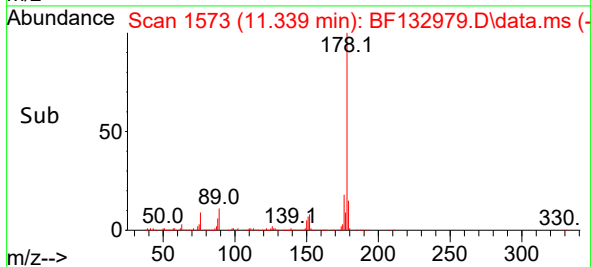
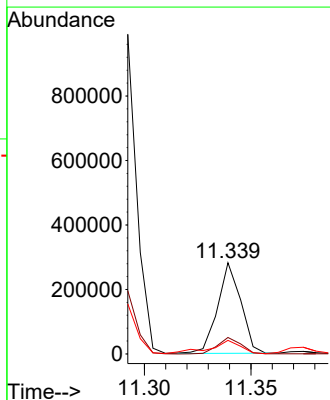
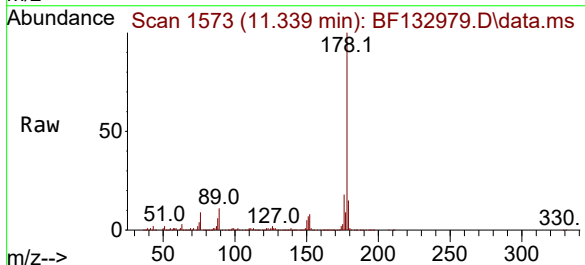
Instrument :
BNA_F
ClientSampleId :
SB-24-0-2-20230411

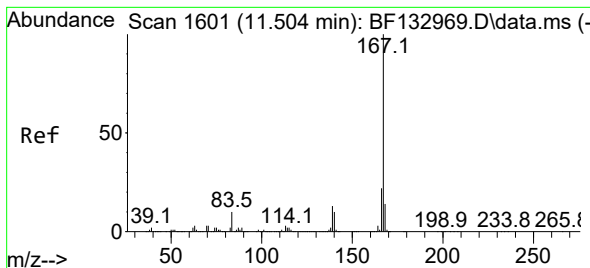
Tgt Ion:178 Resp: 783062
Ion Ratio Lower Upper
178 100
176 19.8 15.9 23.9
179 15.7 12.5 18.7



#72
Anthracene
Concen: 6.490 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF132979.D
Acq: 21 Apr 2023 20:33

Tgt Ion:178 Resp: 211953
Ion Ratio Lower Upper
178 100
176 18.1 15.4 23.0
179 15.0 12.4 18.6





#73

Carbazole

Concen: 3.419 ng

RT: 11.492 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF132979.D

Acq: 21 Apr 2023 20:33

Instrument :

BNA_F

ClientSampleId :

SB-24-0-2-20230411

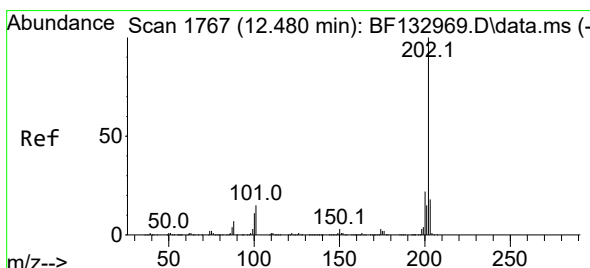
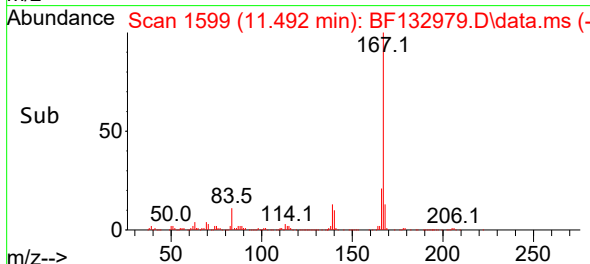
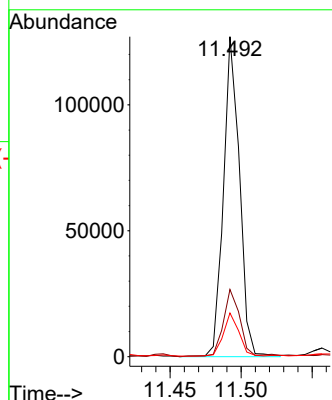
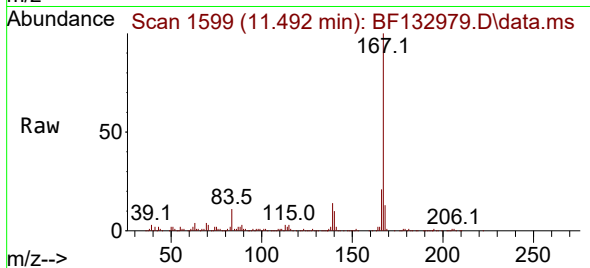
Tgt Ion:167 Resp: 99440

Ion Ratio Lower Upper

167 100

166 21.0 17.4 26.0

139 13.6 10.6 16.0



#75

Fluoranthene

Concen: 45.015 ng

RT: 12.480 min Scan# 1767

Delta R.T. 0.000 min

Lab File: BF132979.D

Acq: 21 Apr 2023 20:33

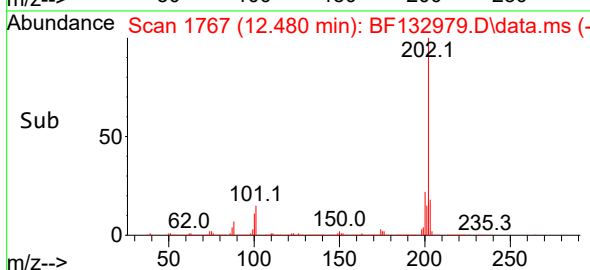
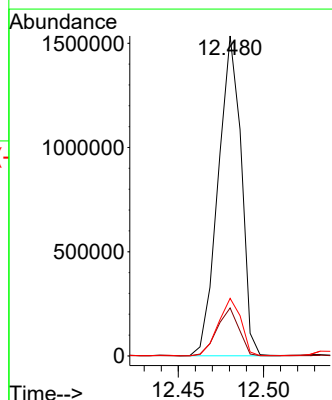
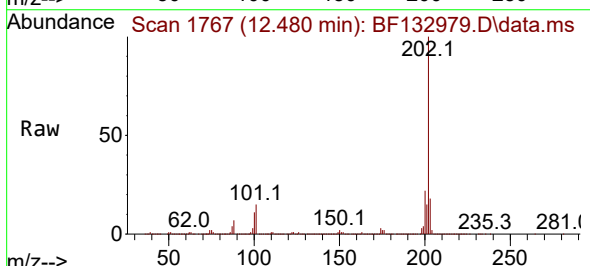
Tgt Ion:202 Resp: 1441756

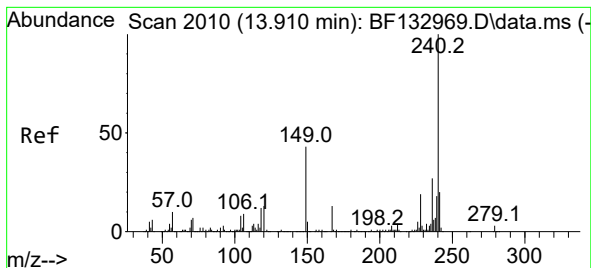
Ion Ratio Lower Upper

202 100

101 15.0 0.0 35.3

203 18.0 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.904 min Scan# 2010

Delta R.T. -0.006 min

Lab File: BF132979.D

Acq: 21 Apr 2023 20:33

Instrument :

BNA_F

ClientSampleId :

SB-24-0-2-20230411

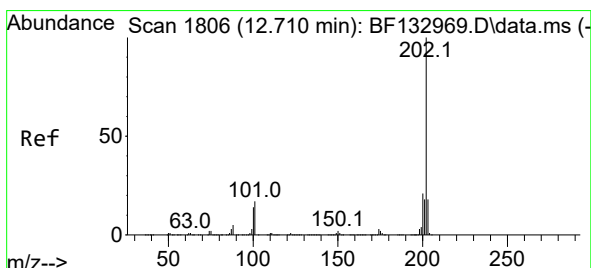
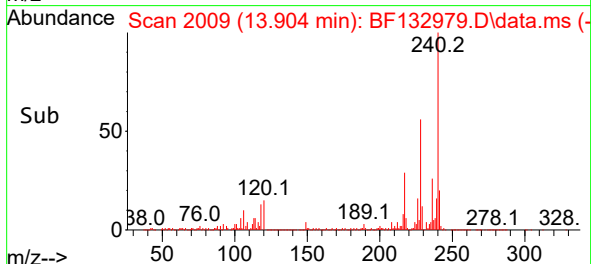
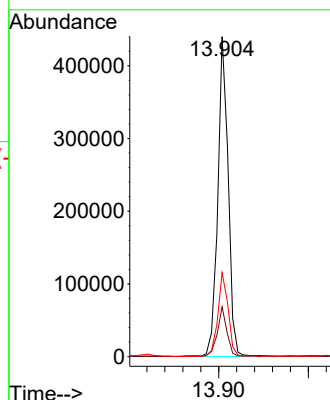
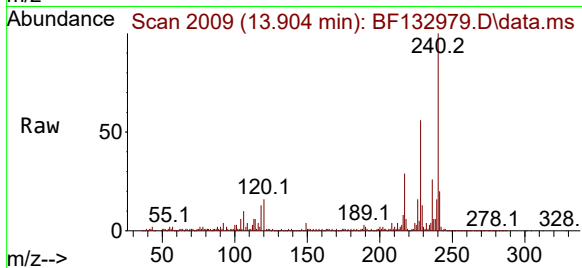
Tgt Ion:240 Resp: 353432

Ion Ratio Lower Upper

240 100

120 15.6 10.5 15.7

236 26.3 21.5 32.3



#78

Pyrene

Concen: 43.110 ng

RT: 12.710 min Scan# 1806

Delta R.T. 0.000 min

Lab File: BF132979.D

Acq: 21 Apr 2023 20:33

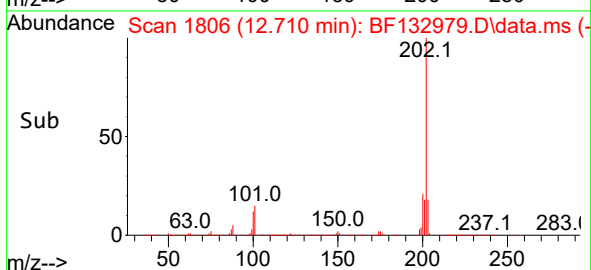
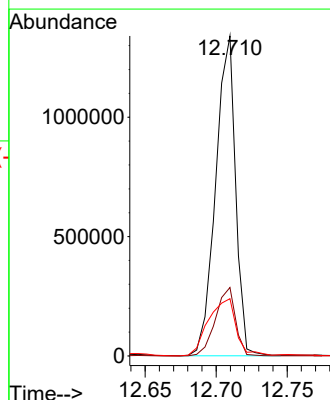
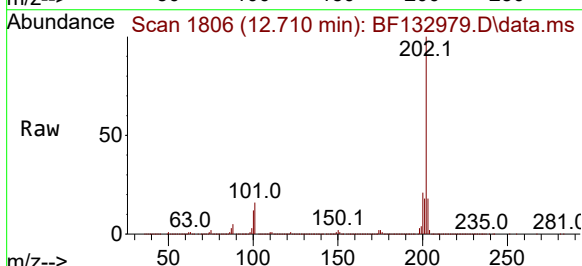
Tgt Ion:202 Resp: 1306105

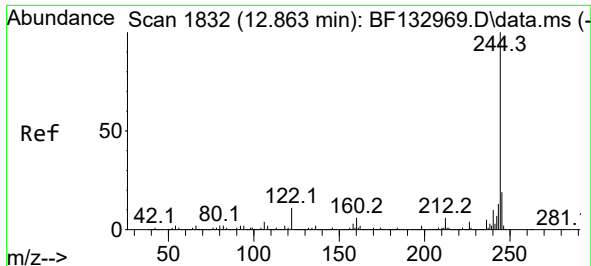
Ion Ratio Lower Upper

202 100

200 21.4 17.1 25.7

203 17.9 14.1 21.1

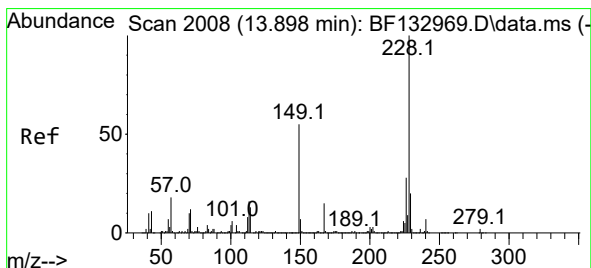
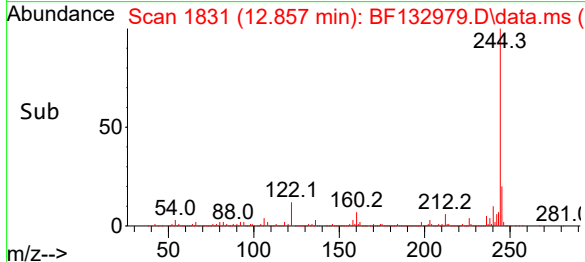
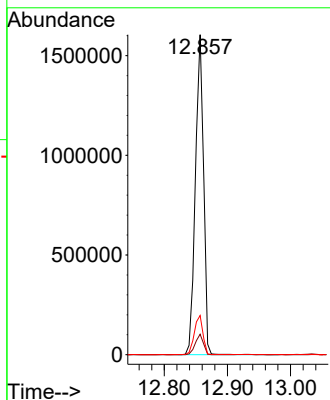
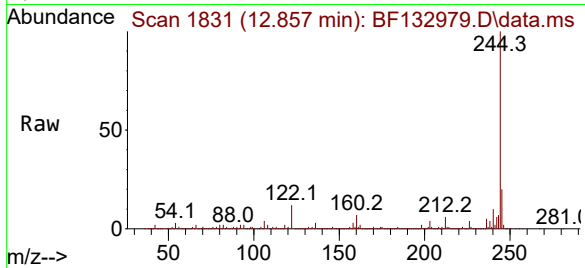




#79
 Terphenyl-d14
 Concen: 69.941 ng
 RT: 12.857 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF132979.D
 Acq: 21 Apr 2023 20:33

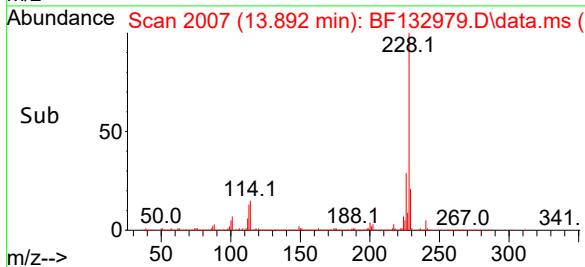
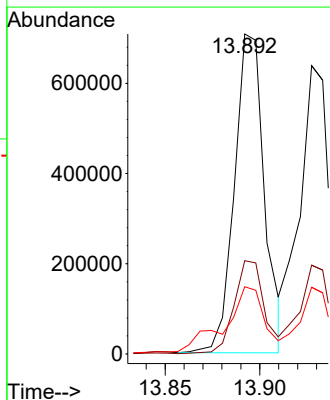
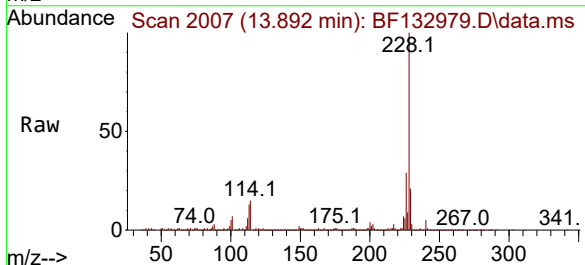
Instrument :
 BNA_F
 ClientSampleId :
 SB-24-0-2-20230411

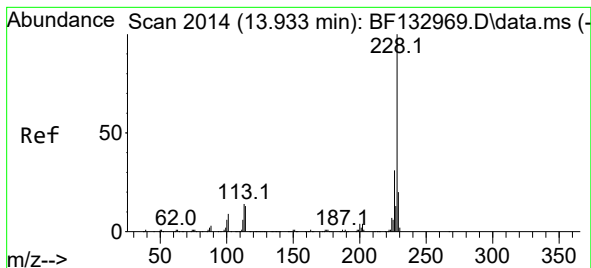
Tgt Ion:244 Resp: 1433289
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.1 7.7
 122 12.3 8.6 13.0



#81
 Benzo(a)anthracene
 Concen: 32.110 ng
 RT: 13.892 min Scan# 2007
 Delta R.T. -0.006 min
 Lab File: BF132979.D
 Acq: 21 Apr 2023 20:33

Tgt Ion:228 Resp: 780414
 Ion Ratio Lower Upper
 228 100
 226 29.2 22.2 33.4
 229 21.0 16.0 24.0





#83

Chrysene

Concen: 27.790 ng

RT: 13.927 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF132979.D

Acq: 21 Apr 2023 20:33

Instrument :

BNA_F

ClientSampleId :

SB-24-0-2-20230411

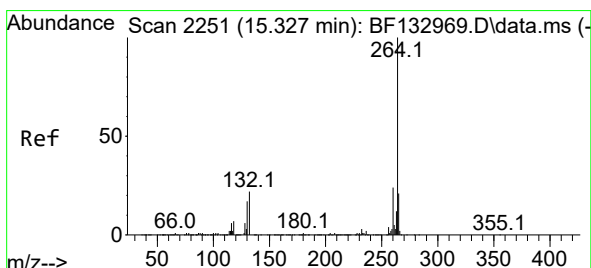
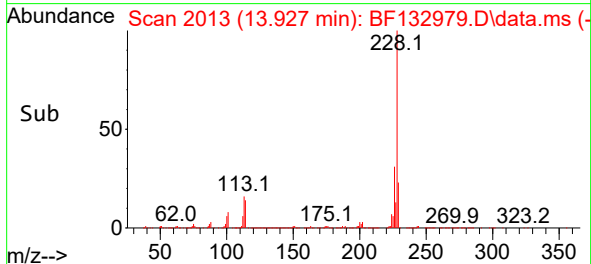
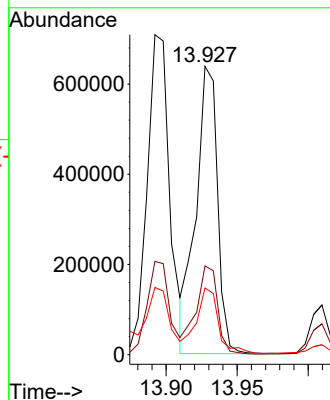
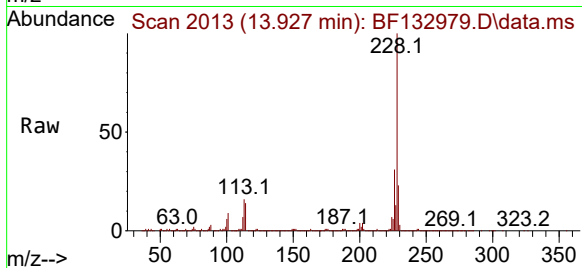
Tgt Ion:228 Resp: 675246

Ion Ratio Lower Upper

228 100

226 30.8 24.7 37.1

229 23.1 16.1 24.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.333 min Scan# 2252

Delta R.T. 0.006 min

Lab File: BF132979.D

Acq: 21 Apr 2023 20:33

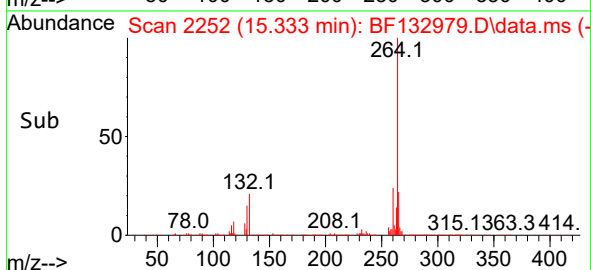
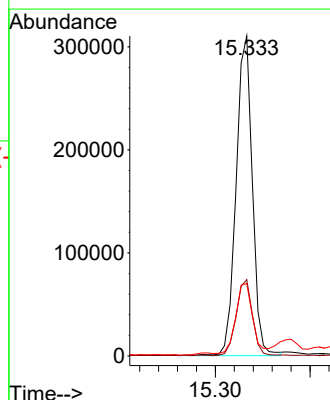
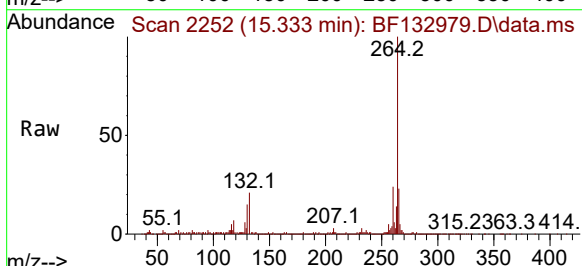
Tgt Ion:264 Resp: 368558

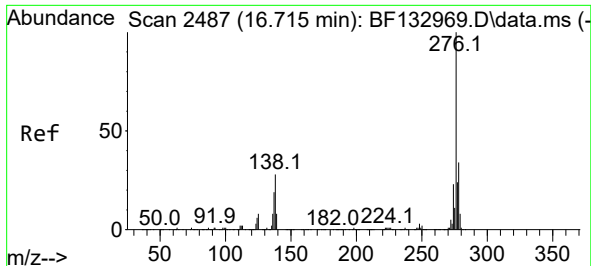
Ion Ratio Lower Upper

264 100

260 23.9 18.8 28.2

265 22.7 17.0 25.4

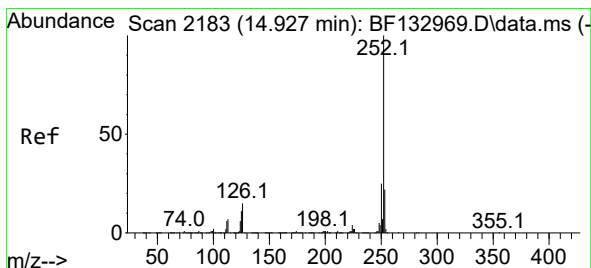
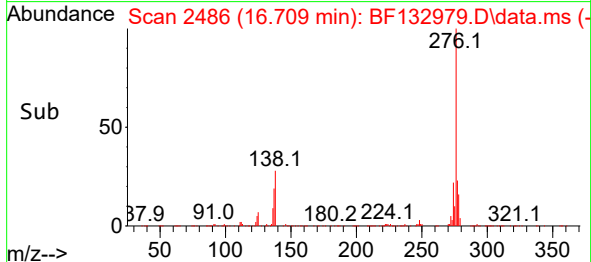
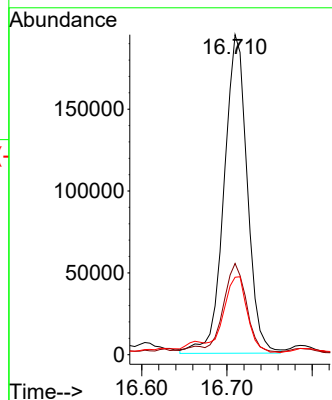
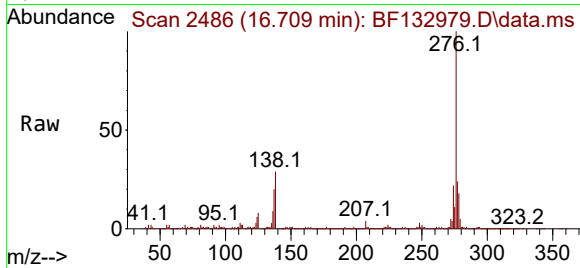




#87
Indeno(1,2,3-cd)pyrene
Concen: 17.585 ng
RT: 16.709 min Scan# 2487
Delta R.T. -0.006 min
Lab File: BF132979.D
Acq: 21 Apr 2023 20:33

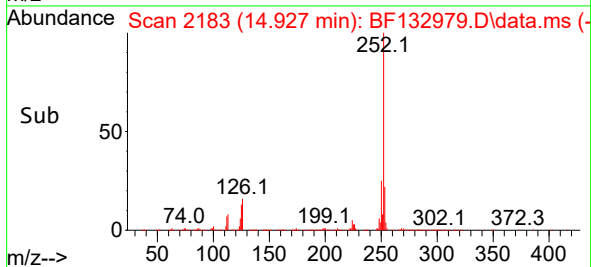
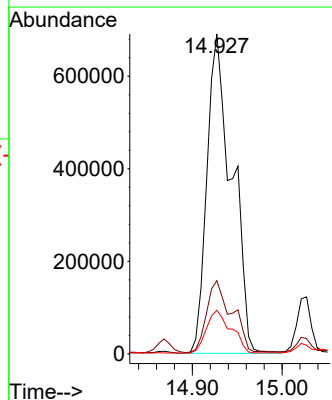
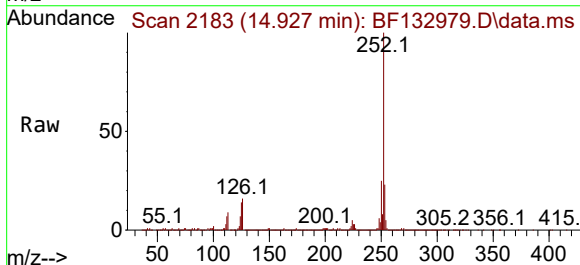
Instrument :
BNA_F
ClientSampleId :
SB-24-0-2-20230411

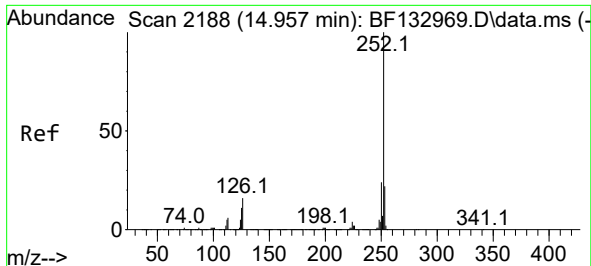
Tgt Ion:276 Resp: 368661
Ion Ratio Lower Upper
276 100
138 29.5 25.5 38.3
277 24.6 20.4 30.6



#88
Benzo(b)fluoranthene
Concen: 56.731 ng
RT: 14.927 min Scan# 2183
Delta R.T. 0.000 min
Lab File: BF132979.D
Acq: 21 Apr 2023 20:33

Tgt Ion:252 Resp: 1330193
Ion Ratio Lower Upper
252 100
253 22.9 17.6 26.4
125 13.6 8.9 13.3#

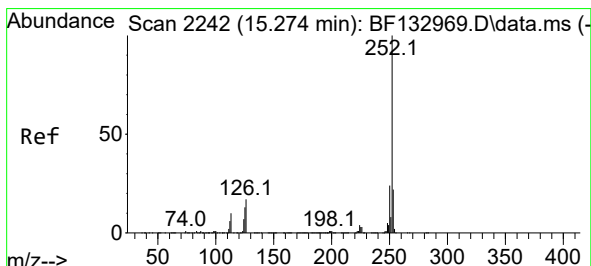
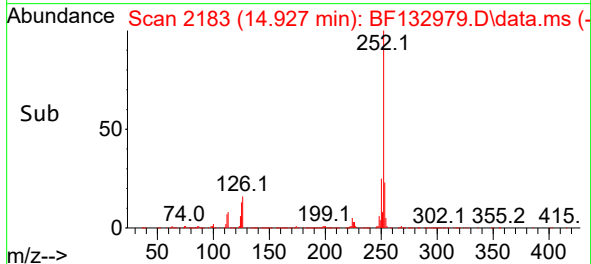
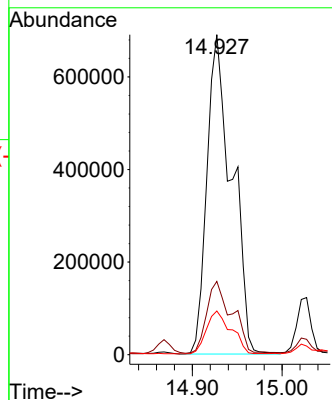
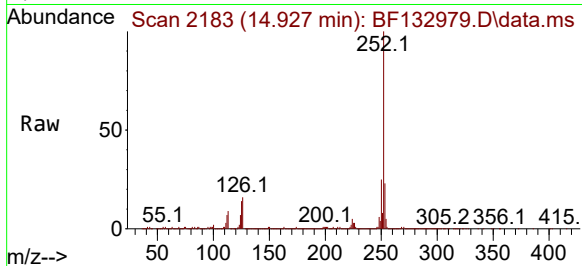




#89
Benzo(k)fluoranthene
Concen: 57.230 ng
RT: 14.927 min Scan# 2188
Delta R.T. -0.029 min
Lab File: BF132979.D
Acq: 21 Apr 2023 20:33

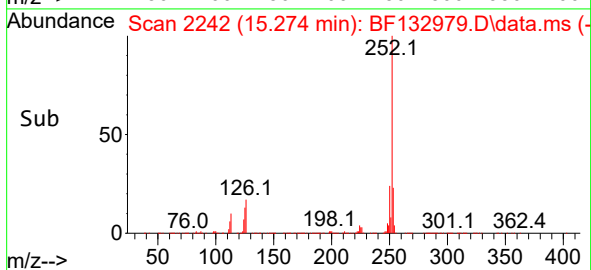
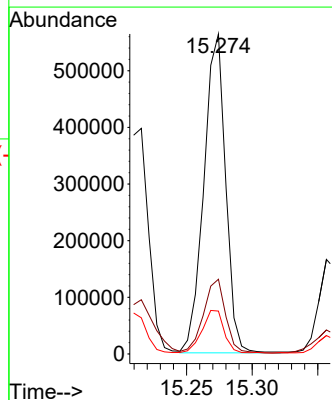
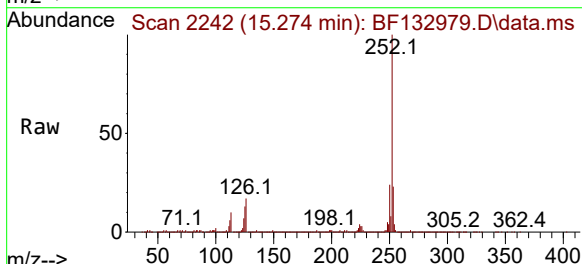
Instrument :
BNA_F
ClientSampleId :
SB-24-0-2-20230411

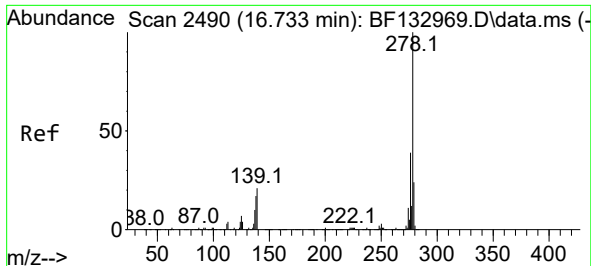
Tgt Ion:252 Resp: 1330193
Ion Ratio Lower Upper
252 100
253 22.9 17.7 26.5
125 13.6 9.0 13.4#



#90
Benzo(a)pyrene
Concen: 30.541 ng
RT: 15.274 min Scan# 2242
Delta R.T. 0.000 min
Lab File: BF132979.D
Acq: 21 Apr 2023 20:33

Tgt Ion:252 Resp: 651810
Ion Ratio Lower Upper
252 100
253 23.4 17.7 26.5
125 13.4 10.5 15.7

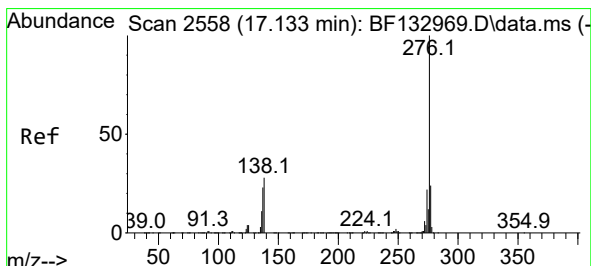
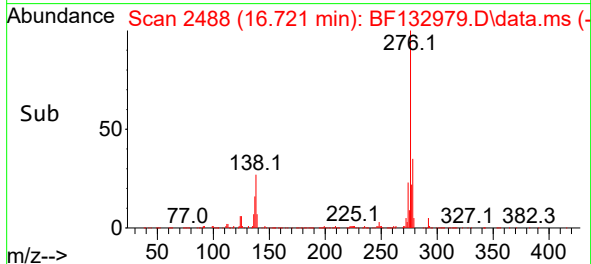
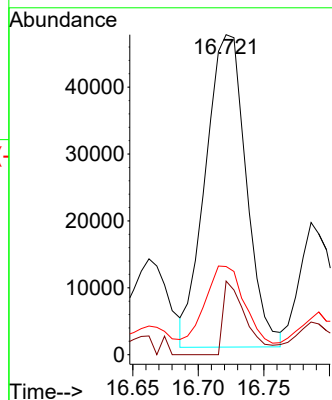
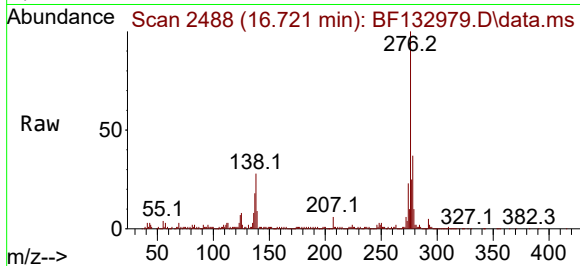




#91
Dibenzo(a,h)anthracene
Concen: 5.773 ng
RT: 16.721 min Scan# 2490
Delta R.T. -0.012 min
Lab File: BF132979.D
Acq: 21 Apr 2023 20:33

Instrument :
BNA_F
ClientSampleId :
SB-24-0-2-20230411

Tgt Ion:278 Resp: 100951
Ion Ratio Lower Upper
278 100
139 23.0 16.6 24.8
279 27.5 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 19.387 ng
RT: 17.127 min Scan# 2557
Delta R.T. -0.006 min
Lab File: BF132979.D
Acq: 21 Apr 2023 20:33

Tgt Ion:276 Resp: 334665
Ion Ratio Lower Upper
276 100
277 23.7 19.4 29.0
138 29.3 22.7 34.1

