

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030723\
 Data File : BF132678.D
 Acq On : 07 Mar 2023 15:06
 Operator : CG\JU
 Sample : 01817-01RE
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-04-03032023

Quant Time: Mar 08 04:40:09 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 07 13:42:31 2023
 Response via : Initial Calibration

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

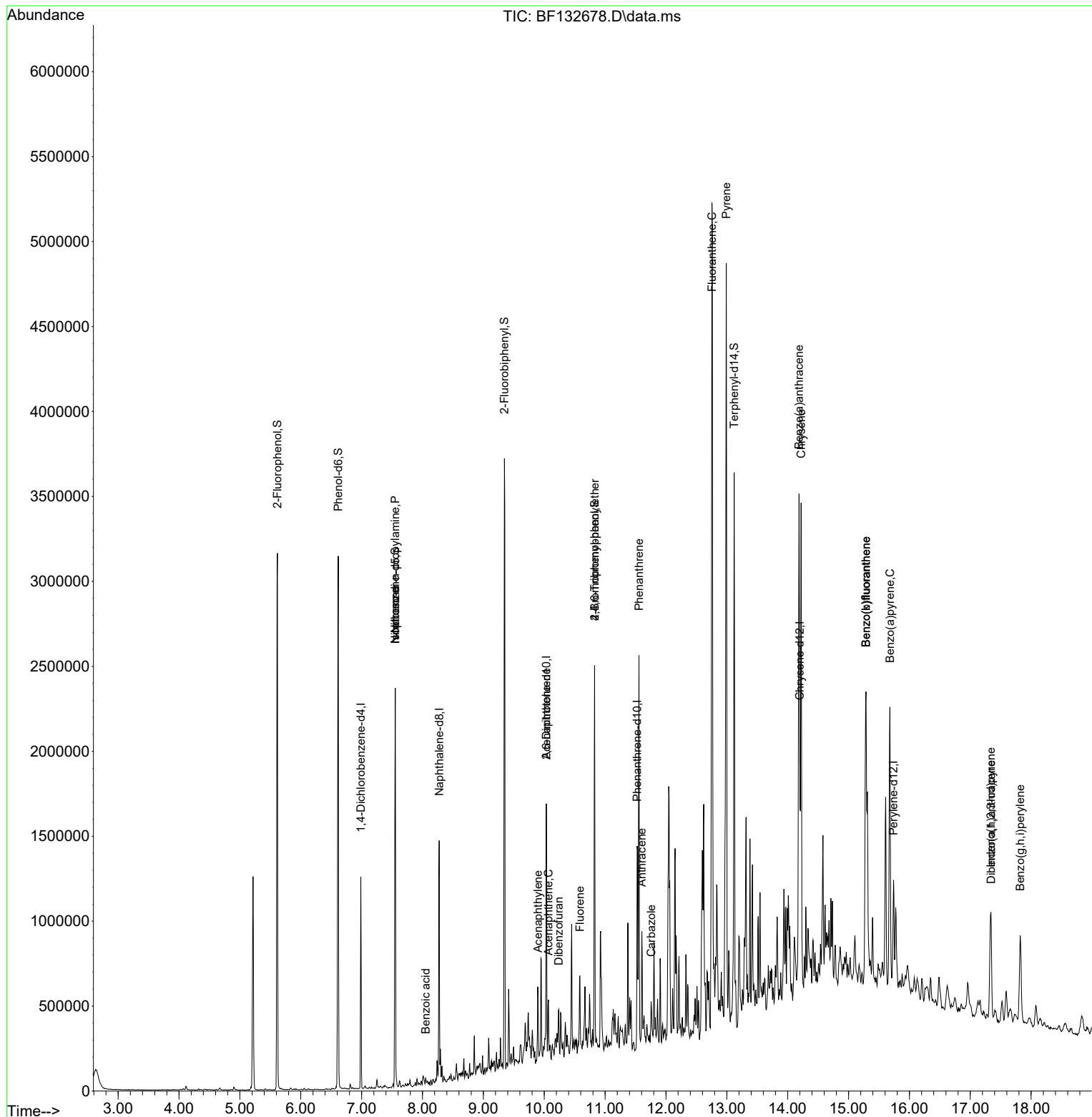
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.986	152	168192	20.000	ng	0.00
21) Naphthalene-d8	8.275	136	590397	20.000	ng	0.00
39) Acenaphthene-d10	10.033	164	290114	20.000	ng	0.00
64) Phenanthrene-d10	11.527	188	489390	20.000	ng	0.00
76) Chrysene-d12	14.198	240	324670	20.000	ng	0.00
86) Perylene-d12	15.739	264	262622	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.616	112	943230	91.017	ng	0.00
7) Phenol-d6	6.616	99	1165553	86.178	ng	0.00
23) Nitrobenzene-d5	7.551	82	744059	59.793	ng	-0.01
42) 2,4,6-Tribromophenol	10.827	330	258312	82.446	ng	0.00
45) 2-Fluorobiphenyl	9.345	172	1137030	59.677	ng	-0.01
79) Terphenyl-d14	13.121	244	1114360	58.031	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.551	70	97460	11.709	ng	# 76
25) Isophorone	7.551	82	744105	31.189	ng	# 67
32) Benzoic acid	8.051	122	766	3.933	ng	# 36
49) Acenaphthylene	9.898	152	153757	5.549	ng	98
51) 2,6-Dinitrotoluene	10.033	165	41597	8.647	ng	# 23
52) Acenaphthene	10.069	154	65334	3.713	ng	96
55) Dibenzofuran	10.239	168	59086	2.304	ng	# 96
58) Fluorene	10.586	166	128631	6.556	ng	92
67) 4-Bromophenyl-phenylether	10.827	248	16027	2.895	ng	# 1
71) Phenanthrene	11.557	178	824930	32.538	ng	98
72) Anthracene	11.604	178	265385	10.165	ng	99
73) Carbazole	11.757	167	59959	2.547	ng	97
75) Fluoranthene	12.757	202	1882020	67.904	ng	98
78) Pyrene	12.992	202	1990029	67.417	ng	99
81) Benzo(a)anthracene	14.186	228	1165224	47.966	ng	94
83) Chrysene	14.221	228	1171117	51.554	ng	99
87) Indeno(1,2,3-cd)pyrene	17.339	276	466092	27.085	ng	97
88) Benzo(b)fluoranthene	15.286	252	1637905	93.065	ng	97
89) Benzo(k)fluoranthene	15.286	252	1637905	95.091	ng	98
90) Benzo(a)pyrene	15.680	252	842392	51.142	ng	97
91) Dibenzo(a,h)anthracene	17.345	278	126575	9.028	ng	95
92) Benzo(g,h,i)perylene	17.821	276	468632	30.196	ng	98

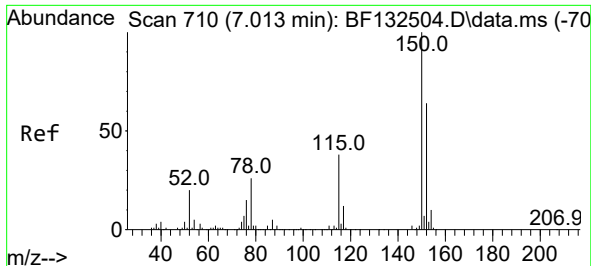
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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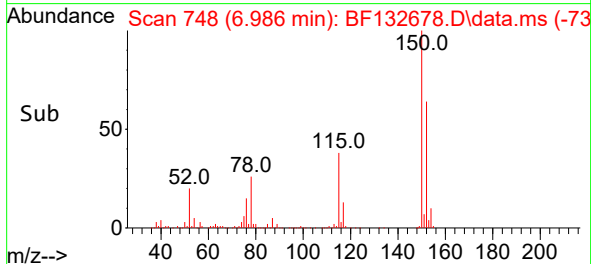
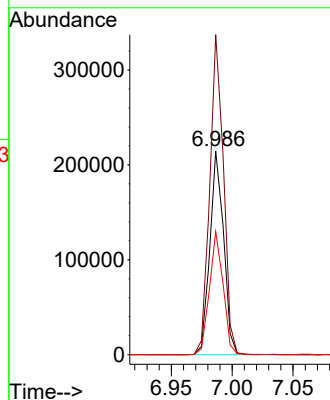
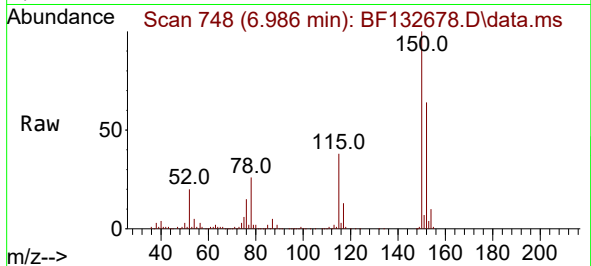




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.986 min Scan# 710
Delta R.T. -0.007 min
Lab File: BF132678.D
Acq: 07 Mar 2023 15:06

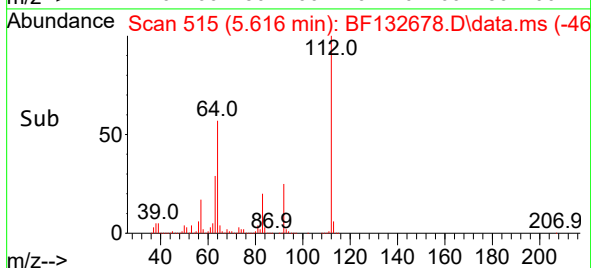
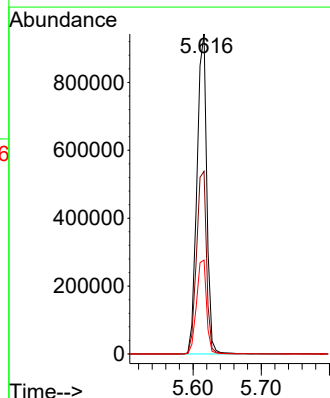
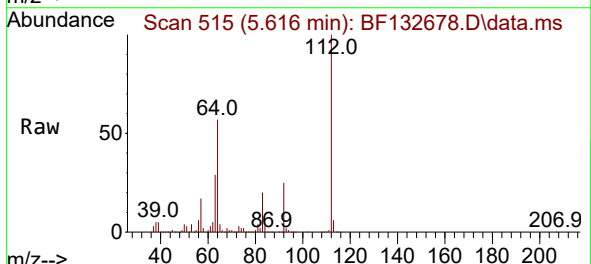
Instrument :
BNA_F
ClientSampleId :
PL-04-03032023

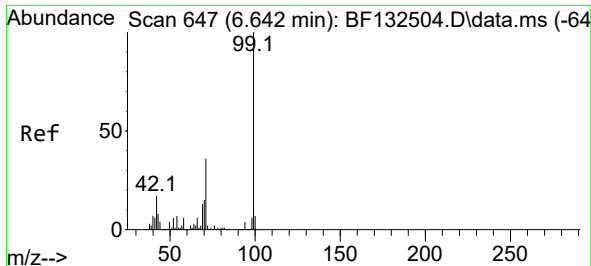
Tgt Ion:152 Resp: 168192
Ion Ratio Lower Upper
152 100
150 157.2 125.4 188.2
115 60.4 47.8 71.6



#5
2-Fluorophenol
Concen: 91.017 ng
RT: 5.616 min Scan# 515
Delta R.T. -0.000 min
Lab File: BF132678.D
Acq: 07 Mar 2023 15:06

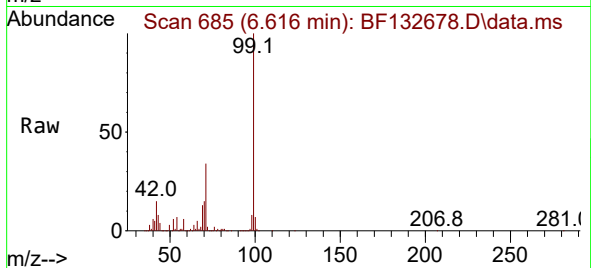
Tgt Ion:112 Resp: 943230
Ion Ratio Lower Upper
112 100
64 57.1 51.6 77.4
63 29.4 27.4 41.2





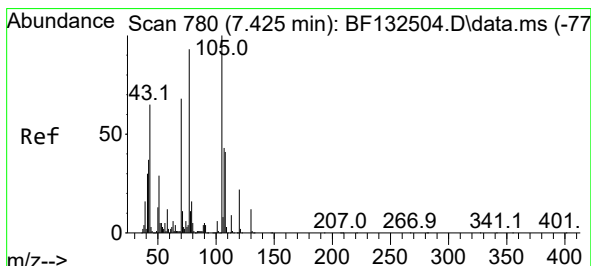
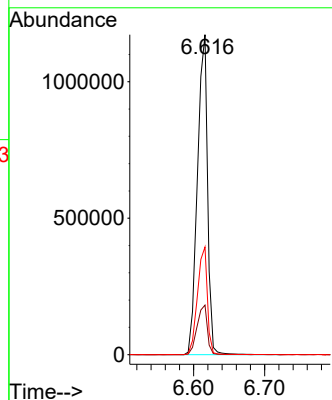
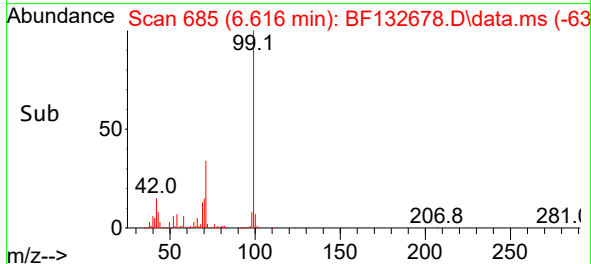
#7
Phenol-d6
Concen: 86.178 ng
RT: 6.616 min Scan# 61
Delta R.T. -0.006 min
Lab File: BF132678.D
Acq: 07 Mar 2023 15:06

Instrument :
BNA_F
ClientSampleId :
PL-04-03032023

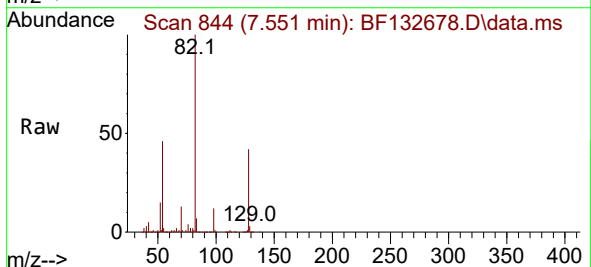


Tgt Ion: 99 Resp: 1165553

Ion	Ratio	Lower	Upper
99	100		
42	15.5	13.9	20.9
71	33.7	28.5	42.7

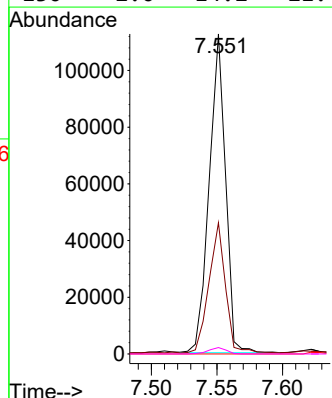
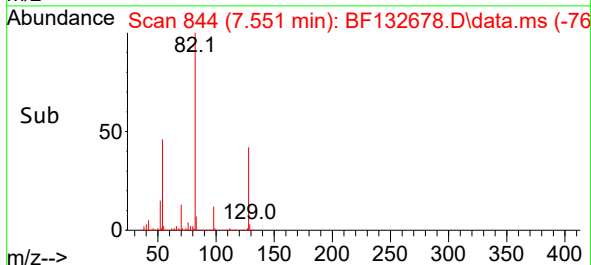


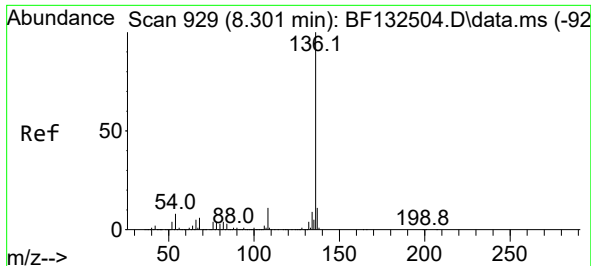
#19
n-Nitroso-di-n-propylamine
Concen: 11.709 ng
RT: 7.551 min Scan# 844
Delta R.T. 0.147 min
Lab File: BF132678.D
Acq: 07 Mar 2023 15:06



Tgt Ion: 70 Resp: 97460

Ion	Ratio	Lower	Upper
70	100		
42	41.0	44.1	66.1#
101	0.0	7.4	11.2#
130	2.0	14.2	21.4#



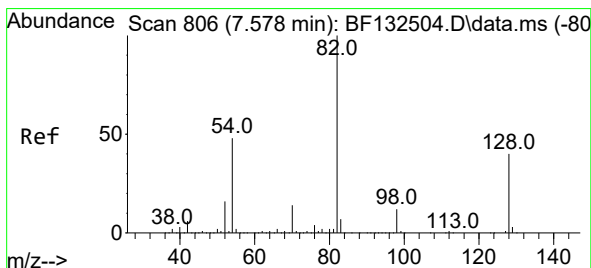
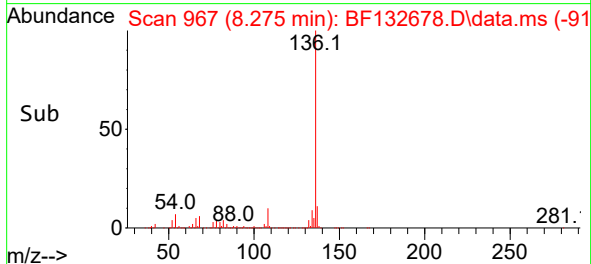
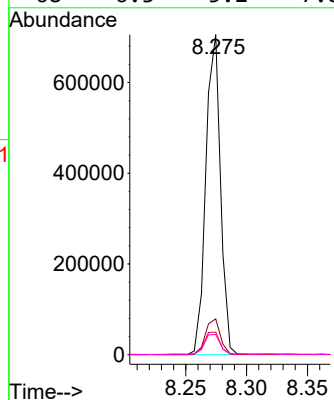
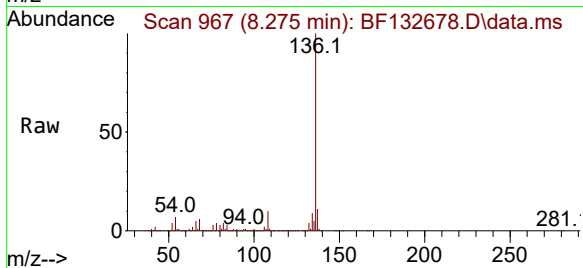


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.275 min Scan# 90
Delta R.T. -0.006 min
Lab File: BF132678.D
Acq: 07 Mar 2023 15:06

Instrument :
BNA_F
ClientSampleId :
PL-04-03032023

Tgt Ion:136 Resp: 590397

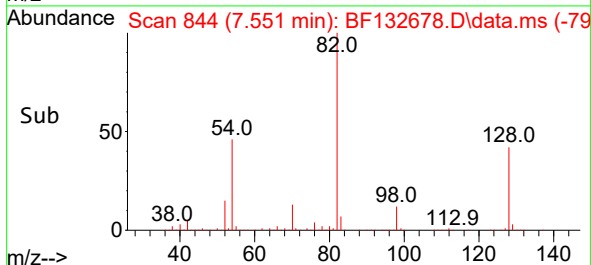
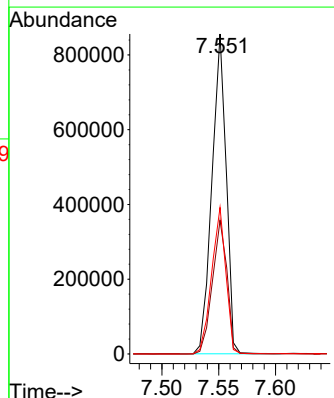
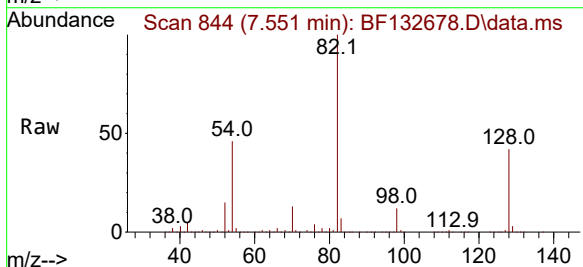
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	7.1	6.2	9.4
68	6.3	5.2	7.8

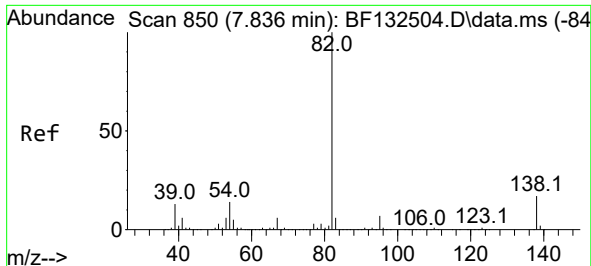


#23
Nitrobenzene-d5
Concen: 59.793 ng
RT: 7.551 min Scan# 844
Delta R.T. -0.012 min
Lab File: BF132678.D
Acq: 07 Mar 2023 15:06

Tgt Ion: 82 Resp: 744059

Ion	Ratio	Lower	Upper
82	100		
128	41.8	32.2	48.2
54	45.8	38.4	57.6

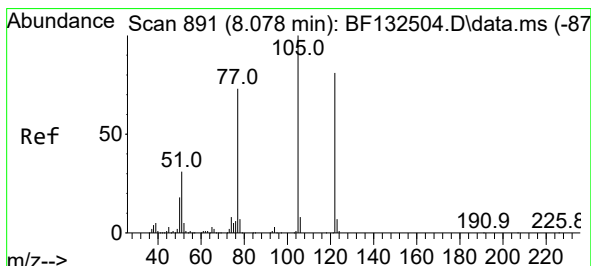
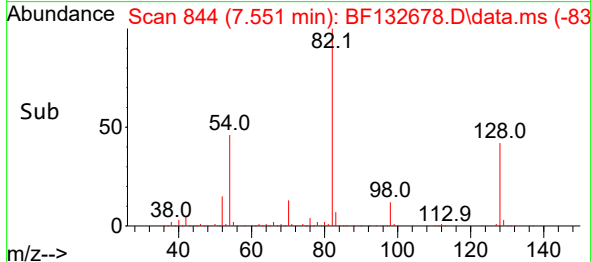
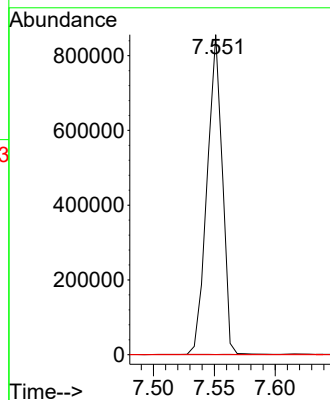
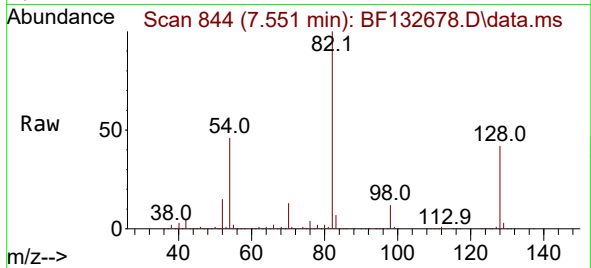




#25
Isophorone
Concen: 31.189 ng
RT: 7.551 min Scan# 84
Delta R.T. -0.265 min
Lab File: BF132678.D
Acq: 07 Mar 2023 15:06

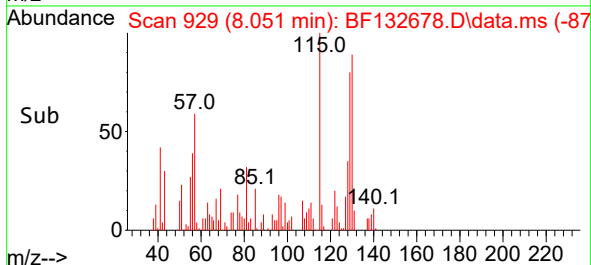
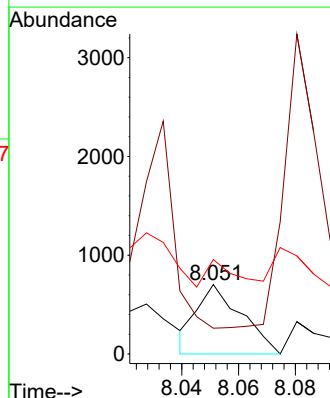
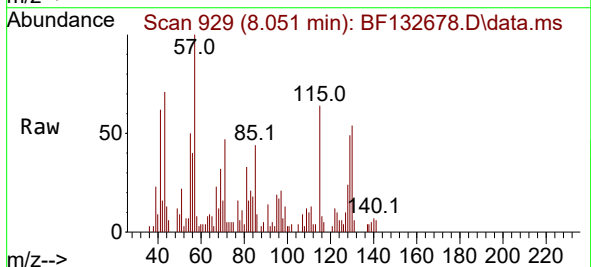
Instrument :
BNA_F
ClientSampleId :
PL-04-03032023

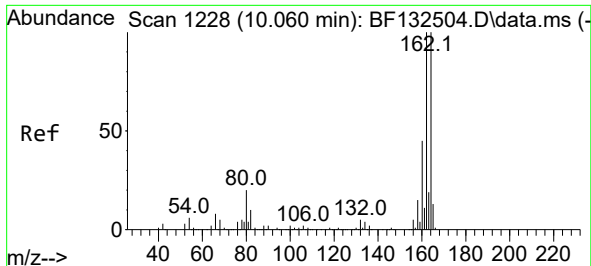
Tgt Ion: 82 Resp: 744105
Ion Ratio Lower Upper
82 100
95 0.1 5.7 8.5#
138 0.0 13.3 19.9#



#32
Benzoic acid
Concen: 3.933 ng
RT: 8.051 min Scan# 929
Delta R.T. -0.006 min
Lab File: BF132678.D
Acq: 07 Mar 2023 15:06

Tgt Ion: 122 Resp: 766
Ion Ratio Lower Upper
122 100
105 37.1 102.6 142.6#
77 136.0 70.2 110.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.033 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF132678.D

Acq: 07 Mar 2023 15:06

Instrument :

BNA_F

ClientSampleId :

PL-04-03032023

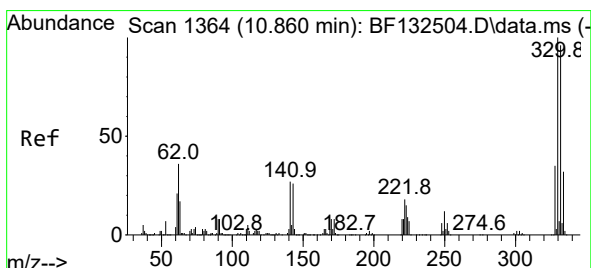
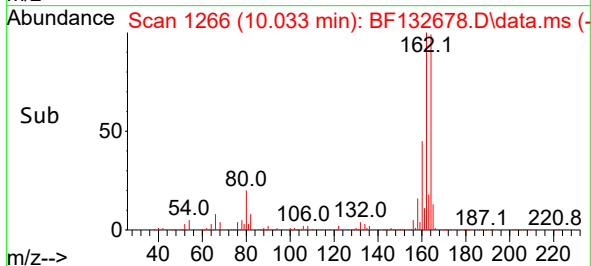
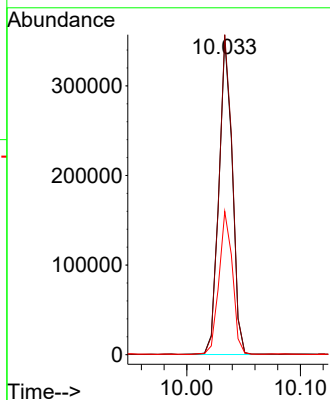
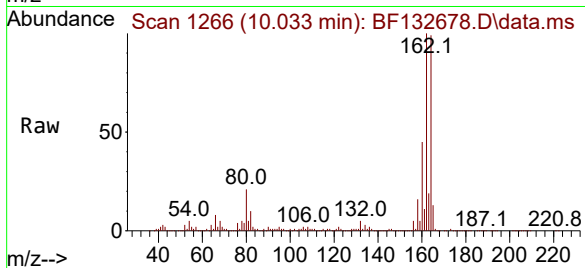
Tgt Ion:164 Resp: 290114

Ion Ratio Lower Upper

164 100

162 101.4 79.8 119.8

160 45.4 35.8 53.6



#42

2,4,6-Tribromophenol

Concen: 82.446 ng

RT: 10.827 min Scan# 1401

Delta R.T. -0.006 min

Lab File: BF132678.D

Acq: 07 Mar 2023 15:06

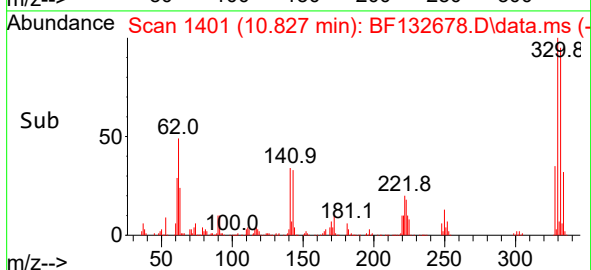
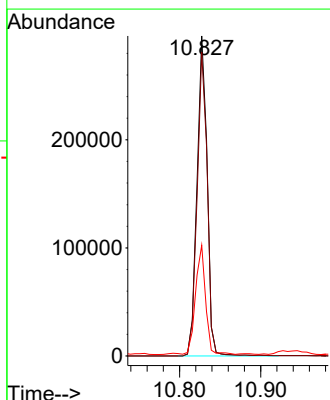
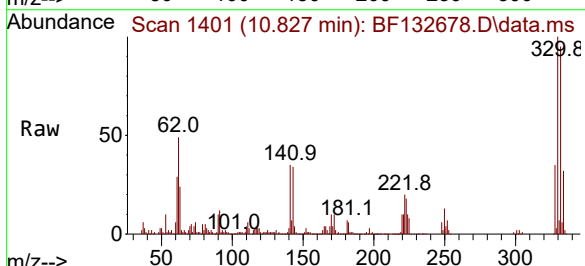
Tgt Ion:330 Resp: 258312

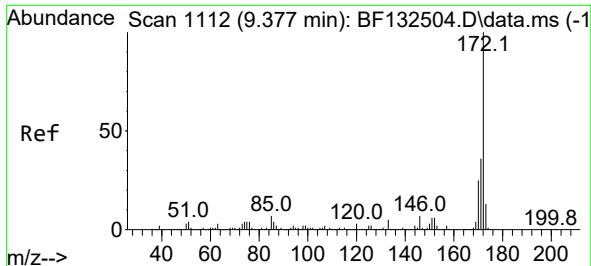
Ion Ratio Lower Upper

330 100

332 94.8 76.2 114.4

141 33.6 28.4 42.6

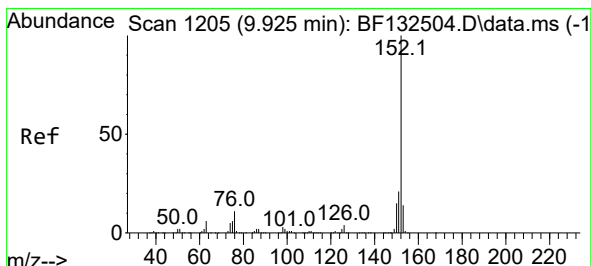
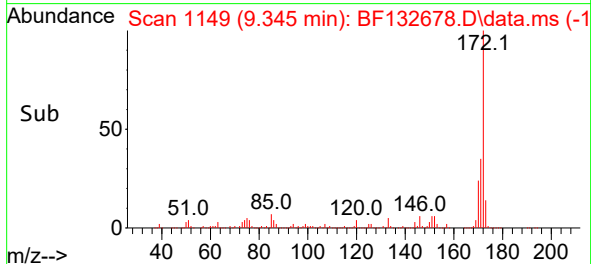
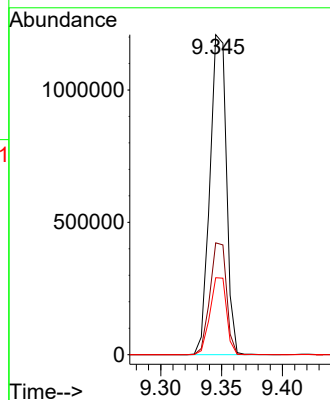
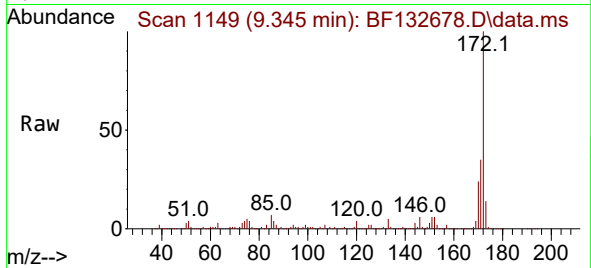




#45
2-Fluorobiphenyl
Concen: 59.677 ng
RT: 9.345 min Scan# 1112
Delta R.T. -0.012 min
Lab File: BF132678.D
Acq: 07 Mar 2023 15:06

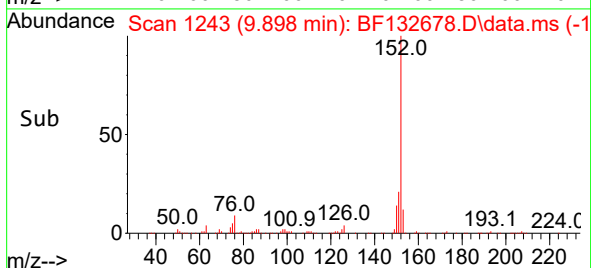
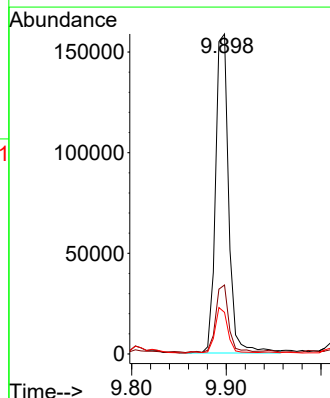
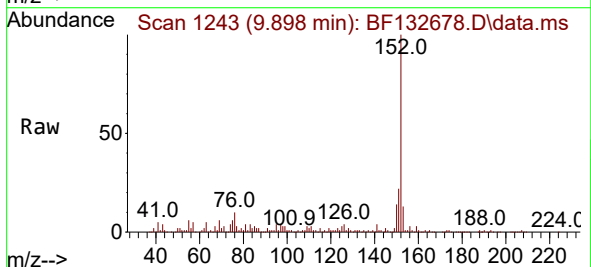
Instrument :
BNA_F
ClientSampleId :
PL-04-03032023

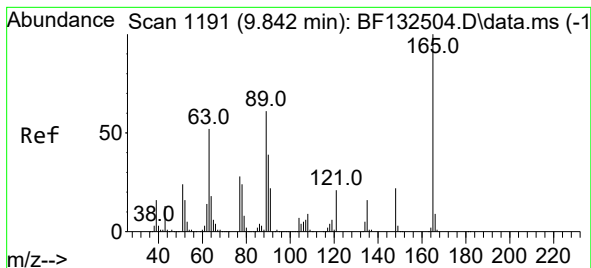
Tgt Ion:172 Resp: 1137030
Ion Ratio Lower Upper
172 100
171 35.0 28.8 43.2
170 24.0 19.7 29.5



#49
Acenaphthylene
Concen: 5.549 ng
RT: 9.898 min Scan# 1243
Delta R.T. -0.006 min
Lab File: BF132678.D
Acq: 07 Mar 2023 15:06

Tgt Ion:152 Resp: 153757
Ion Ratio Lower Upper
152 100
151 21.6 16.4 24.6
153 13.0 11.0 16.6





#51

2,6-Dinitrotoluene

Concen: 8.647 ng

RT: 10.033 min Scan# 1191

Delta R.T. 0.212 min

Lab File: BF132678.D

Acq: 07 Mar 2023 15:06

Instrument :

BNA_F

ClientSampleId :

PL-04-03032023

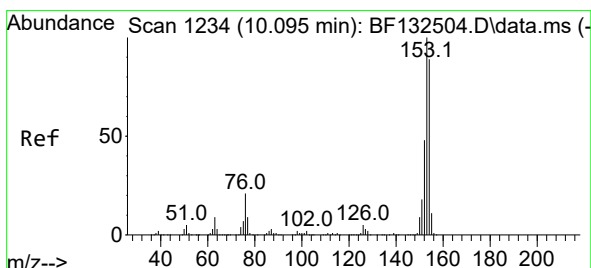
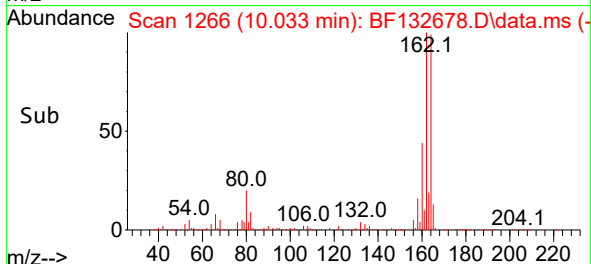
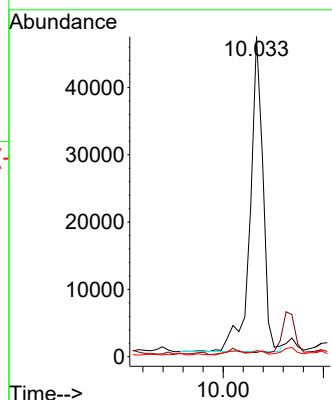
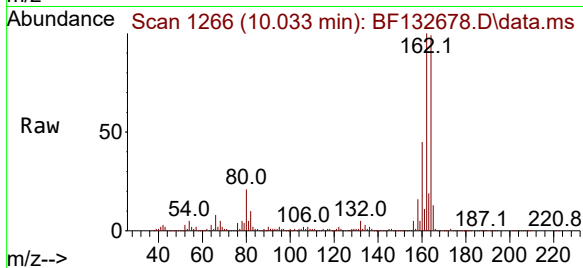
Tgt Ion:165 Resp: 41597

Ion Ratio Lower Upper

165 100

63 1.3 47.3 70.9#

89 1.9 48.9 73.3#



#52

Acenaphthene

Concen: 3.713 ng

RT: 10.069 min Scan# 1272

Delta R.T. -0.006 min

Lab File: BF132678.D

Acq: 07 Mar 2023 15:06

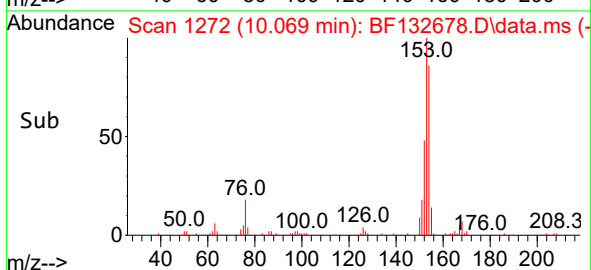
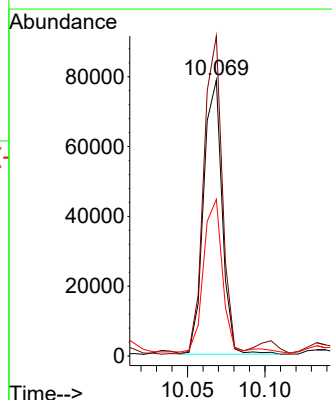
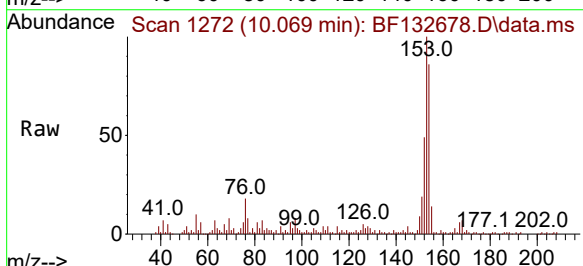
Tgt Ion:154 Resp: 65334

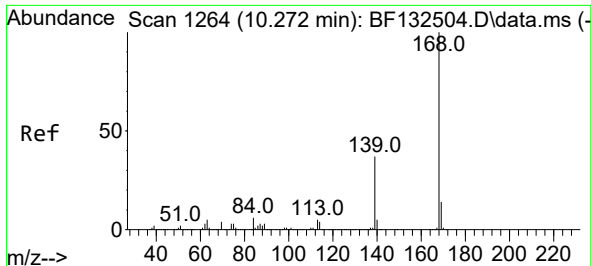
Ion Ratio Lower Upper

154 100

153 116.0 89.8 134.8

152 56.7 43.3 64.9

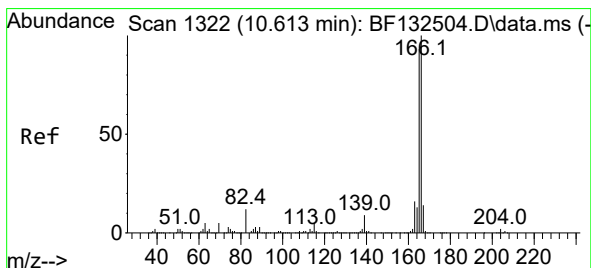
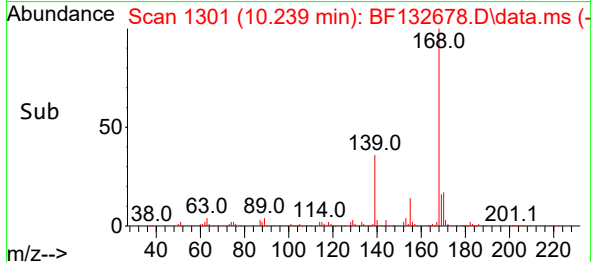
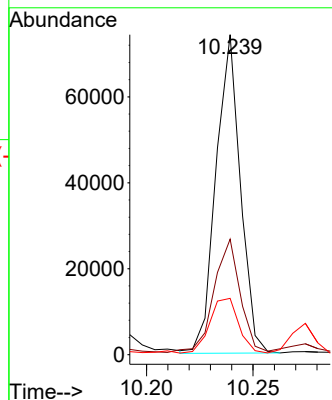
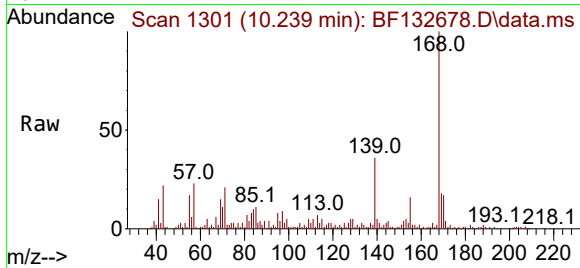




#55
Dibenzenofuran
Concen: 2.304 ng
RT: 10.239 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132678.D
Acq: 07 Mar 2023 15:06

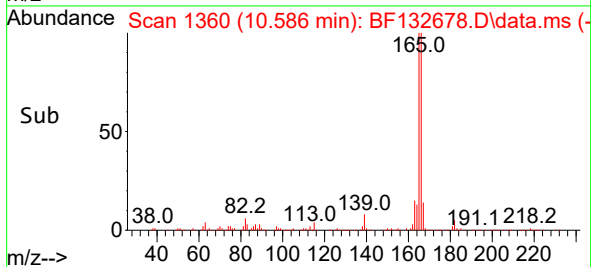
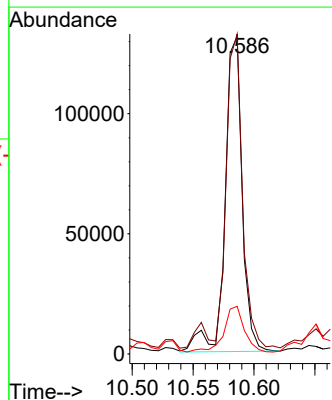
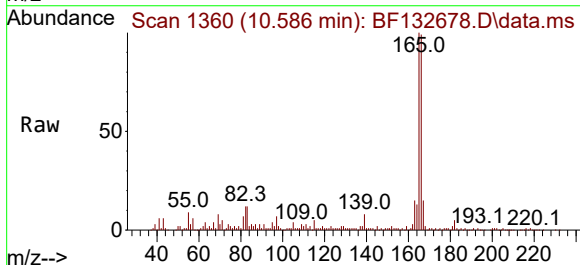
Instrument :
BNA_F
ClientSampleId :
PL-04-03032023

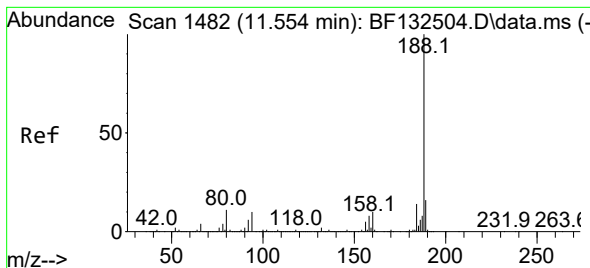
Tgt Ion:168 Resp: 59086
Ion Ratio Lower Upper
168 100
139 36.1 29.8 44.6
169 17.6 10.9 16.3#



#58
Fluorene
Concen: 6.556 ng
RT: 10.586 min Scan# 1360
Delta R.T. -0.006 min
Lab File: BF132678.D
Acq: 07 Mar 2023 15:06

Tgt Ion:166 Resp: 128631
Ion Ratio Lower Upper
166 100
165 100.8 74.2 111.4
167 15.0 11.1 16.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.527 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF132678.D

Acq: 07 Mar 2023 15:06

Instrument :

BNA_F

ClientSampleId :

PL-04-03032023

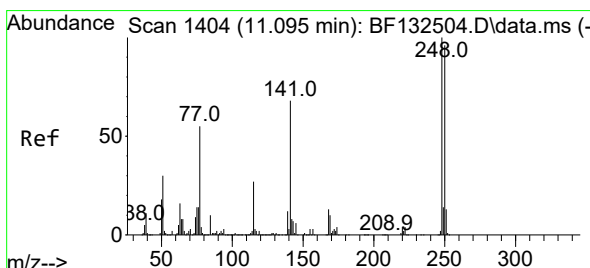
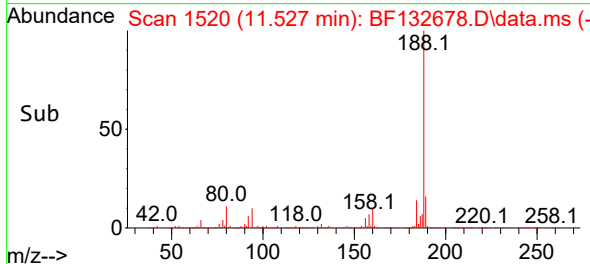
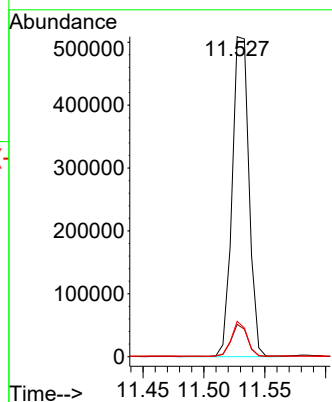
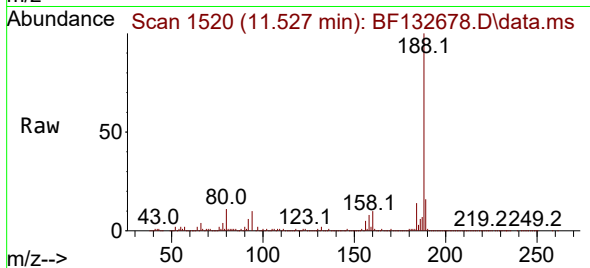
Tgt Ion:188 Resp: 489390

Ion Ratio Lower Upper

188 100

94 10.1 8.3 12.5

80 11.0 8.7 13.1



#67

4-Bromophenyl-phenylether

Concen: 2.895 ng

RT: 10.827 min Scan# 1401

Delta R.T. -0.247 min

Lab File: BF132678.D

Acq: 07 Mar 2023 15:06

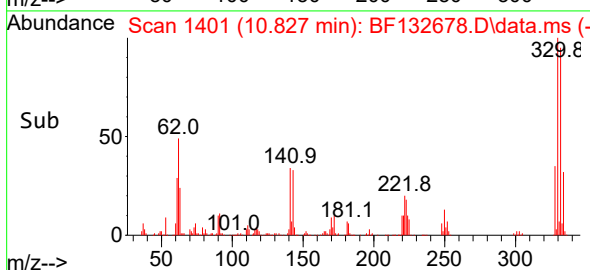
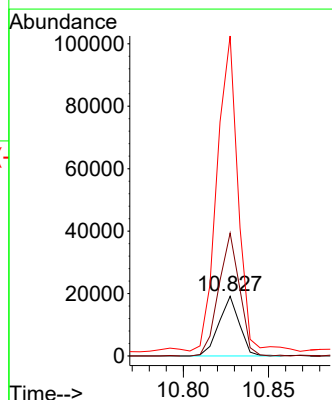
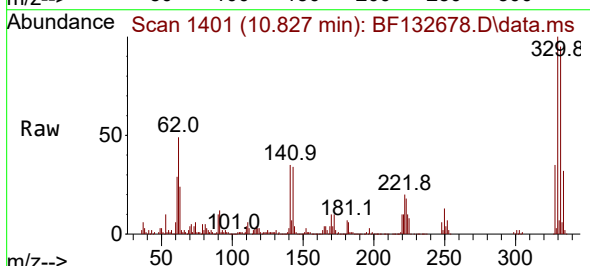
Tgt Ion:248 Resp: 16027

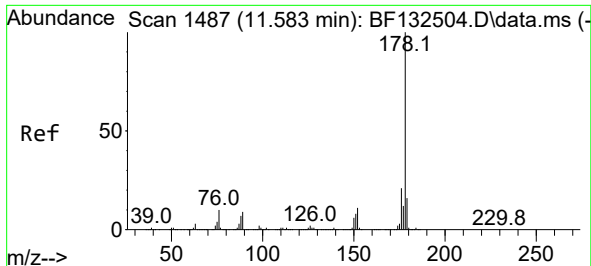
Ion Ratio Lower Upper

248 100

250 206.2 77.0 115.4#

141 536.9 54.2 81.2#

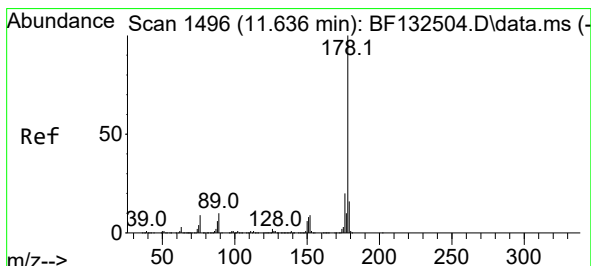
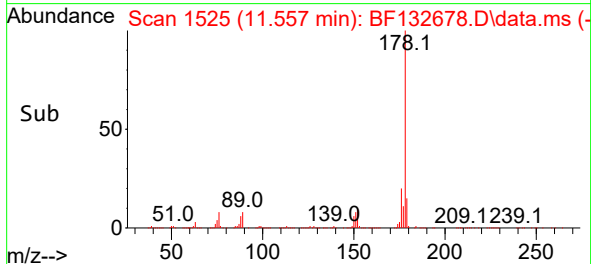
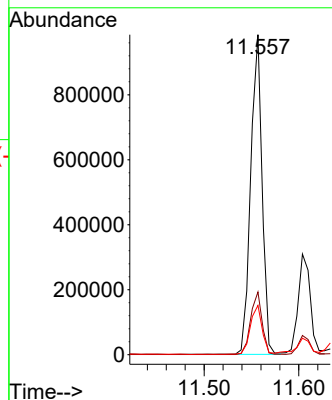
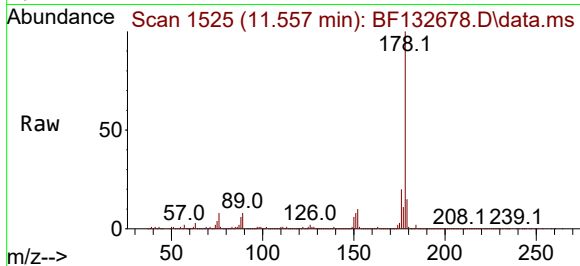




#71
Phenanthrene
Concen: 32.538 ng
RT: 11.557 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BF132678.D
Acq: 07 Mar 2023 15:06

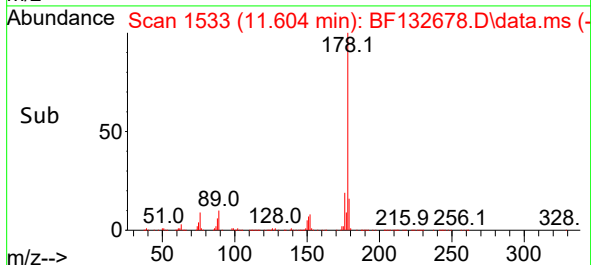
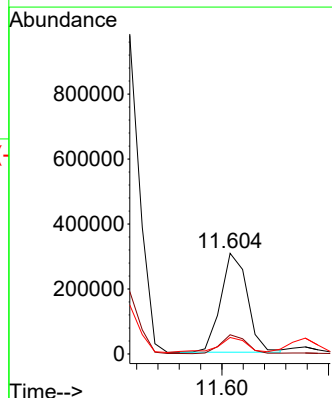
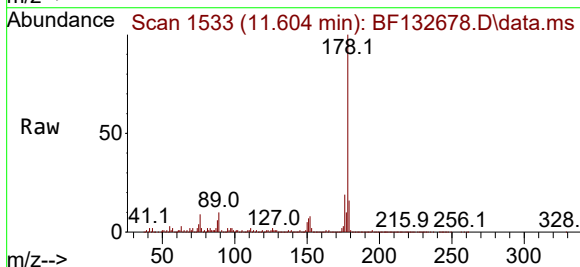
Instrument :
BNA_F
ClientSampleId :
PL-04-03032023

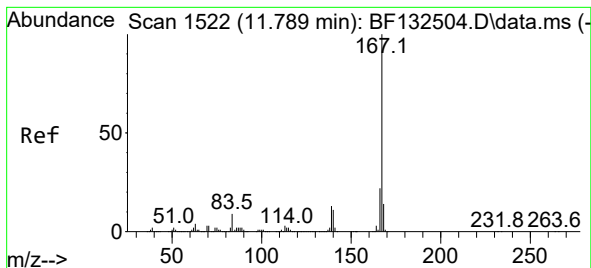
Tgt Ion:178 Resp: 824930
Ion Ratio Lower Upper
178 100
176 19.6 16.5 24.7
179 15.4 13.0 19.6



#72
Anthracene
Concen: 10.165 ng
RT: 11.604 min Scan# 1533
Delta R.T. -0.012 min
Lab File: BF132678.D
Acq: 07 Mar 2023 15:06

Tgt Ion:178 Resp: 265385
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 16.3 12.5 18.7





#73

Carbazole

Concen: 2.547 ng

RT: 11.757 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF132678.D

Acq: 07 Mar 2023 15:06

Instrument :

BNA_F

ClientSampleId :

PL-04-03032023

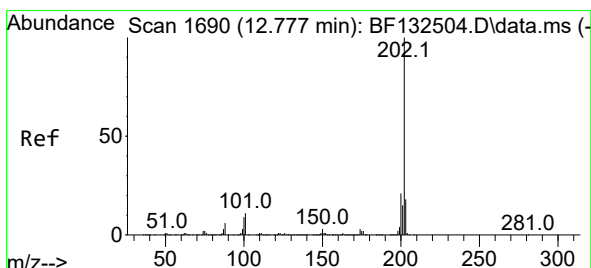
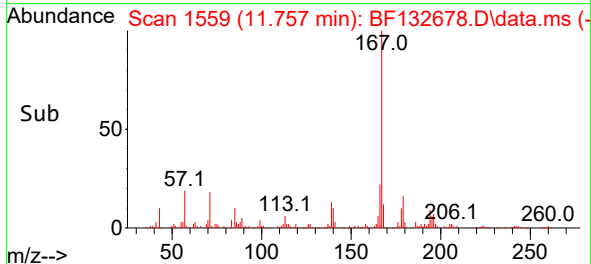
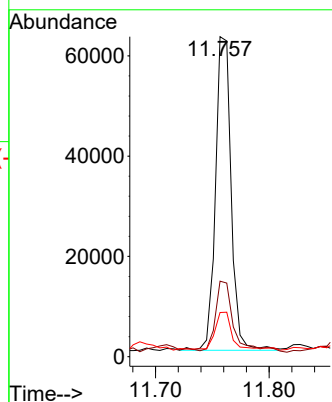
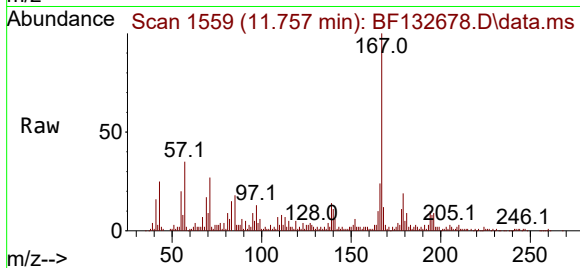
Tgt Ion:167 Resp: 59959

Ion Ratio Lower Upper

167 100

166 23.6 17.7 26.5

139 13.8 10.5 15.7



#75

Fluoranthene

Concen: 67.904 ng

RT: 12.757 min Scan# 1729

Delta R.T. -0.000 min

Lab File: BF132678.D

Acq: 07 Mar 2023 15:06

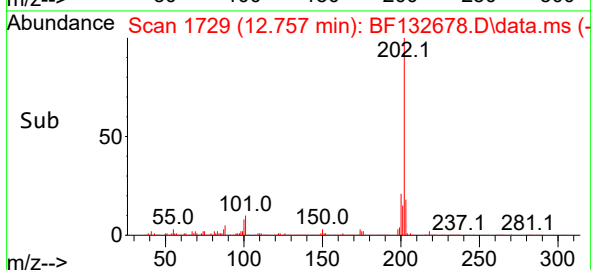
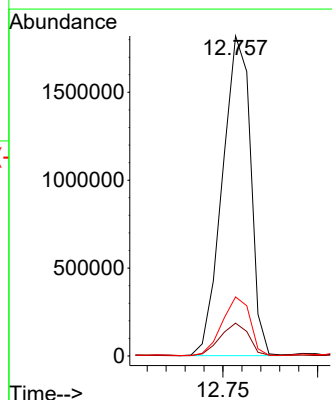
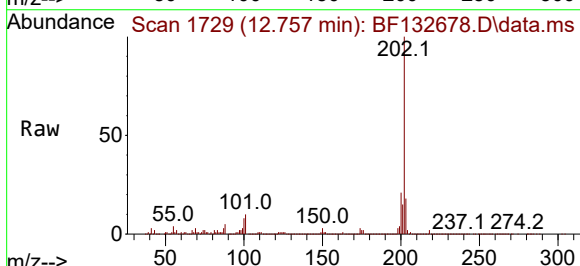
Tgt Ion:202 Resp: 1882020

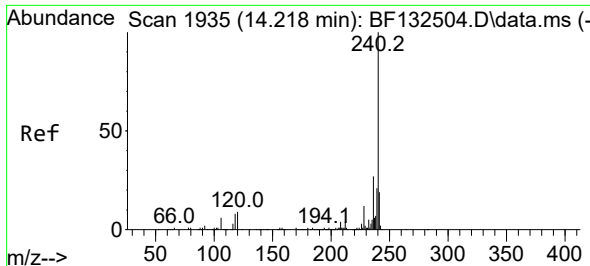
Ion Ratio Lower Upper

202 100

101 10.3 0.0 31.4

203 18.5 0.0 38.0

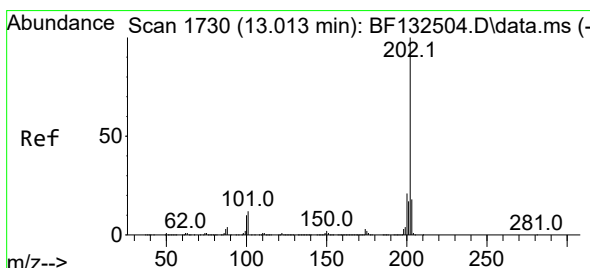
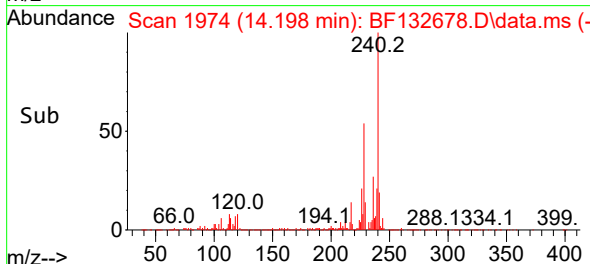
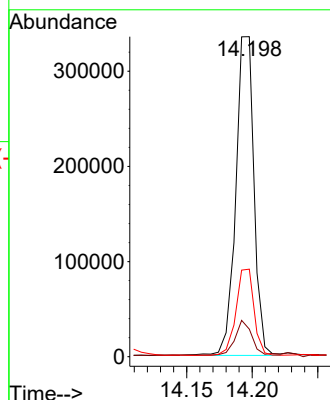
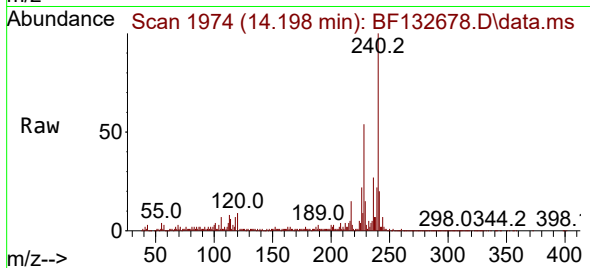




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.198 min Scan# 1935
Delta R.T. -0.000 min
Lab File: BF132678.D
Acq: 07 Mar 2023 15:06

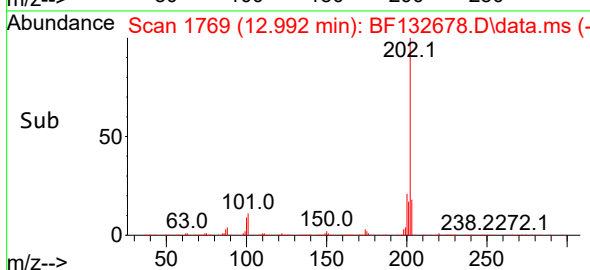
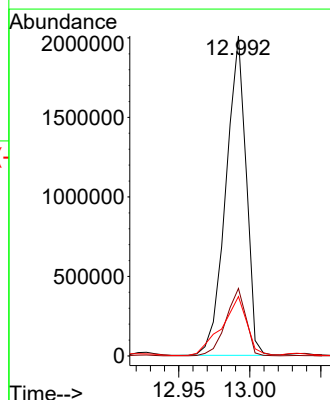
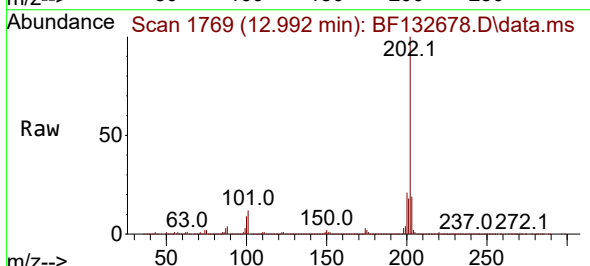
Instrument :
BNA_F
ClientSampleId :
PL-04-03032023

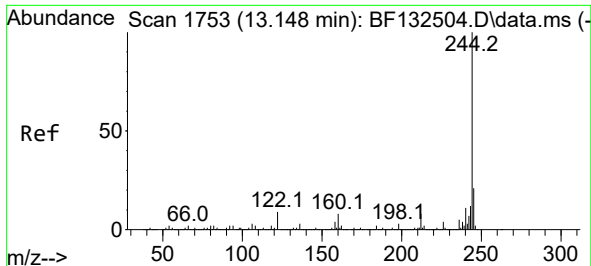
Tgt Ion:240 Resp: 324670
Ion Ratio Lower Upper
240 100
120 8.6 7.2 10.8
236 27.3 21.8 32.6



#78
Pyrene
Concen: 67.417 ng
RT: 12.992 min Scan# 1769
Delta R.T. -0.000 min
Lab File: BF132678.D
Acq: 07 Mar 2023 15:06

Tgt Ion:202 Resp: 1990029
Ion Ratio Lower Upper
202 100
200 21.1 17.1 25.7
203 18.5 14.6 21.8

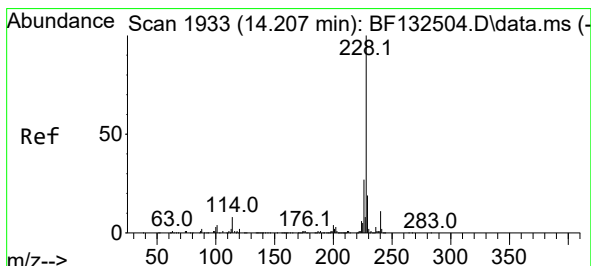
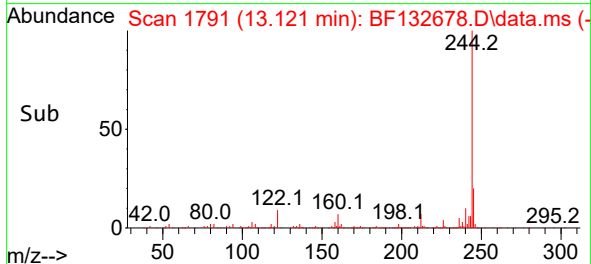
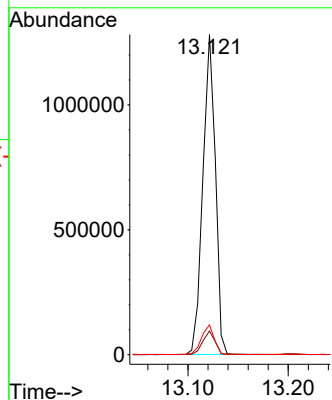
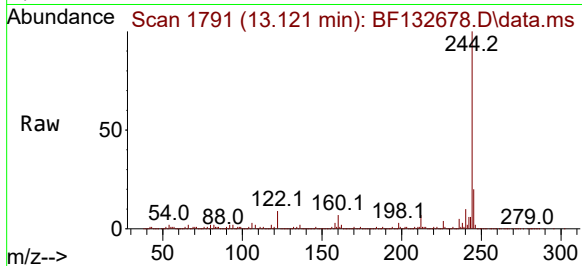




#79
 Terphenyl-d14
 Concen: 58.031 ng
 RT: 13.121 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF132678.D
 Acq: 07 Mar 2023 15:06

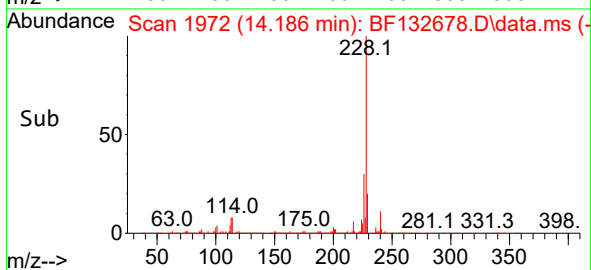
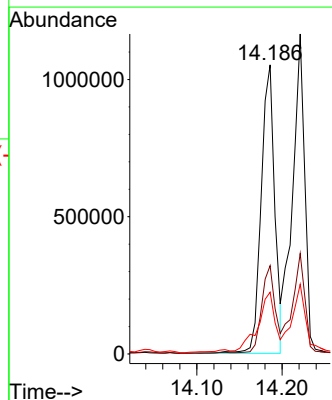
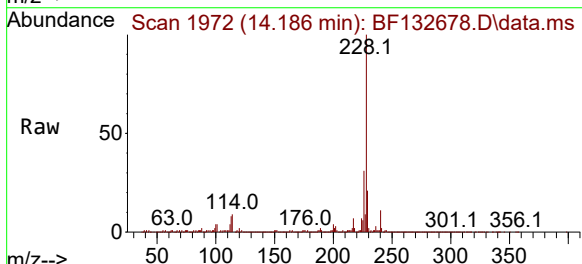
Instrument :
 BNA_F
 ClientSampleId :
 PL-04-03032023

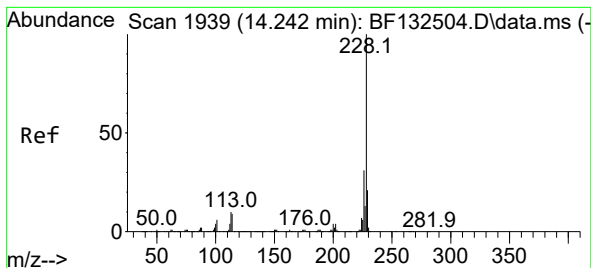
Tgt Ion:244 Resp: 1114360
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.5 9.7
 122 9.3 7.5 11.3



#81
 Benzo(a)anthracene
 Concen: 47.966 ng
 RT: 14.186 min Scan# 1972
 Delta R.T. -0.000 min
 Lab File: BF132678.D
 Acq: 07 Mar 2023 15:06

Tgt Ion:228 Resp: 1165224
 Ion Ratio Lower Upper
 228 100
 226 30.5 21.7 32.5
 229 21.4 15.4 23.2





#83

Chrysene

Concen: 51.554 ng

RT: 14.221 min Scan# 1939

Delta R.T. -0.000 min

Lab File: BF132678.D

Acq: 07 Mar 2023 15:06

Instrument :

BNA_F

ClientSampleId :

PL-04-03032023

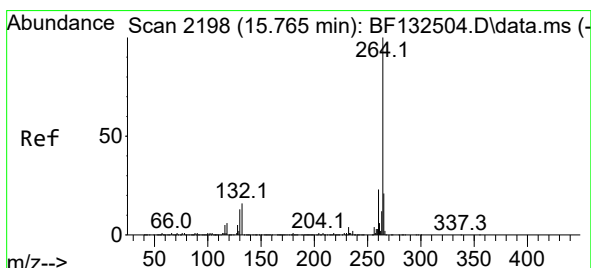
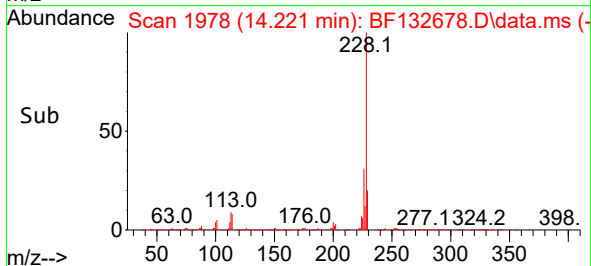
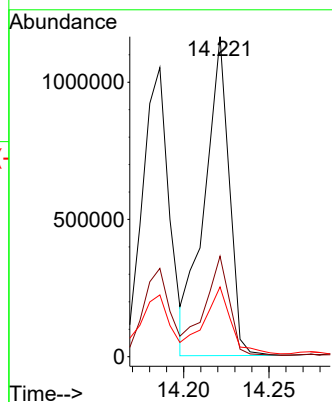
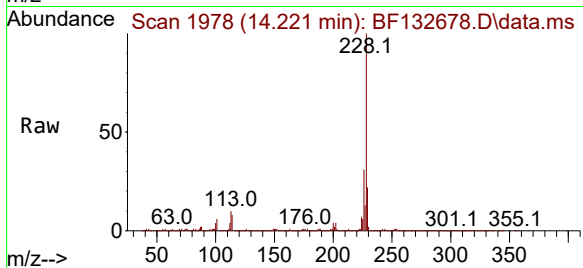
Tgt Ion:228 Resp: 1171117

Ion Ratio Lower Upper

228 100

226 31.4 25.0 37.6

229 21.8 16.4 24.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.739 min Scan# 2236

Delta R.T. -0.000 min

Lab File: BF132678.D

Acq: 07 Mar 2023 15:06

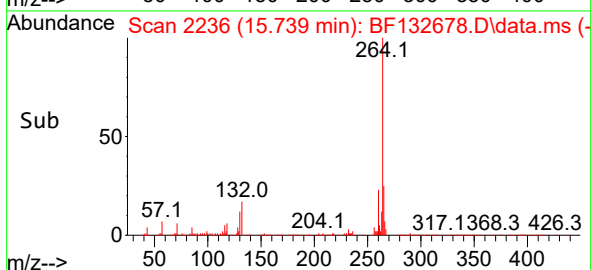
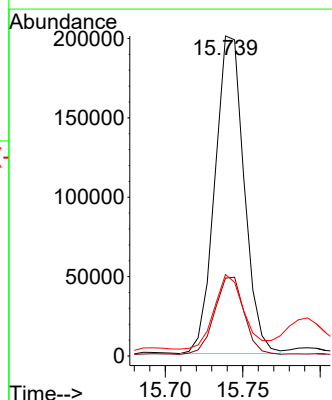
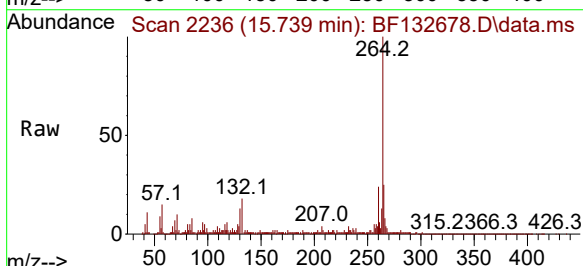
Tgt Ion:264 Resp: 262622

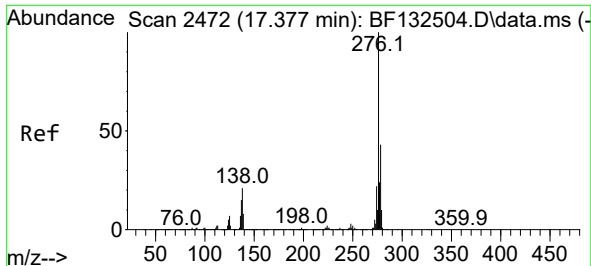
Ion Ratio Lower Upper

264 100

260 24.4 18.8 28.2

265 25.5 17.1 25.7

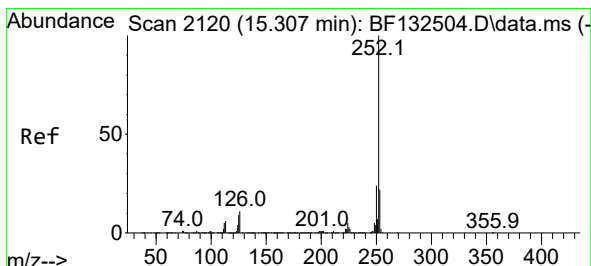
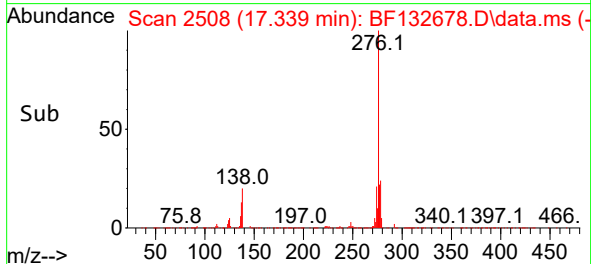
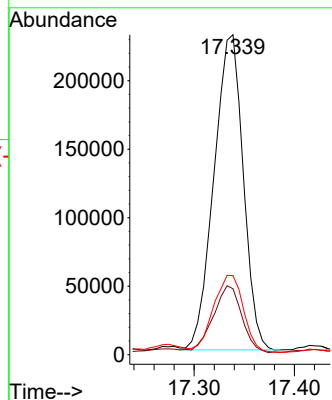
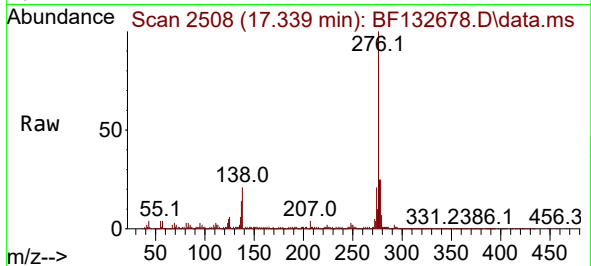




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 27.085 ng
 RT: 17.339 min Scan# 2159
 Delta R.T. -0.006 min
 Lab File: BF132678.D
 Acq: 07 Mar 2023 15:06

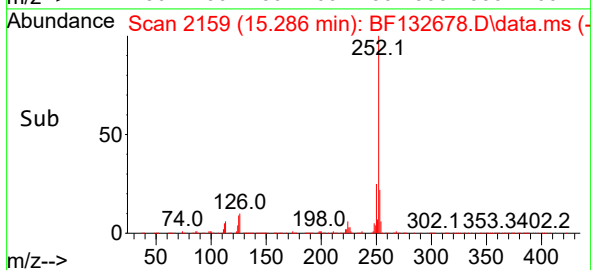
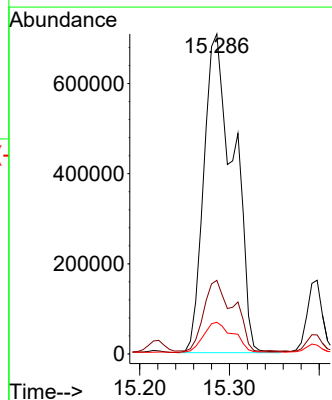
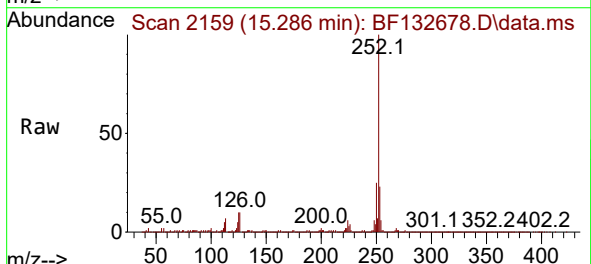
Instrument :
 BNA_F
 ClientSampleId :
 PL-04-03032023

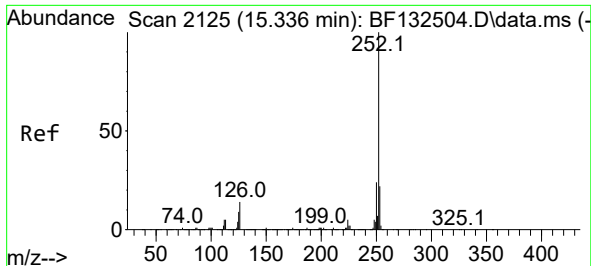
Tgt Ion:276 Resp: 466092
 Ion Ratio Lower Upper
 276 100
 138 20.7 19.0 28.4
 277 25.5 20.0 30.0



#88
 Benzo(b)fluoranthene
 Concen: 93.065 ng
 RT: 15.286 min Scan# 2159
 Delta R.T. 0.006 min
 Lab File: BF132678.D
 Acq: 07 Mar 2023 15:06

Tgt Ion:252 Resp: 1637905
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.4 26.0
 125 9.9 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 95.091 ng

RT: 15.286 min Scan# 2125

Delta R.T. -0.030 min

Lab File: BF132678.D

Acq: 07 Mar 2023 15:06

Instrument :

BNA_F

ClientSampleId :

PL-04-03032023

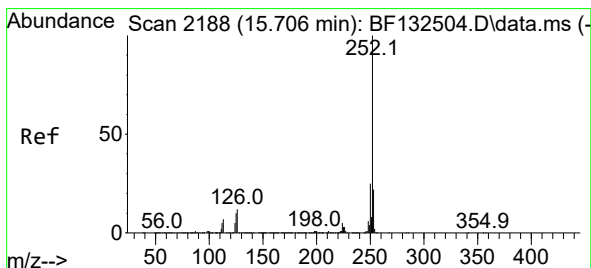
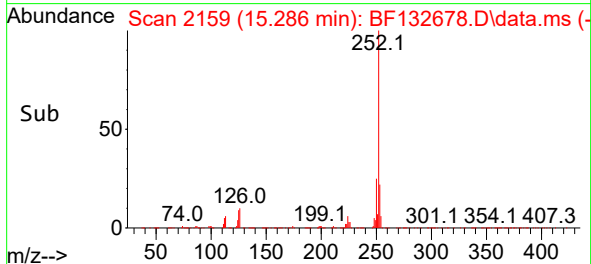
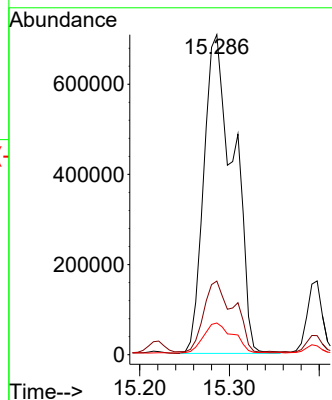
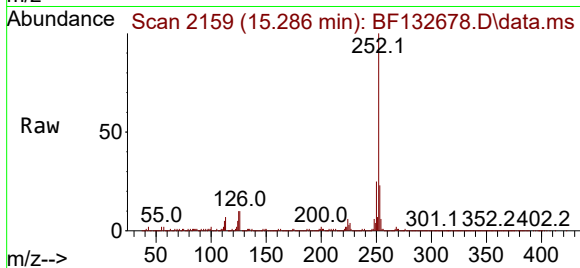
Tgt Ion:252 Resp: 1637905

Ion Ratio Lower Upper

252 100

253 23.0 17.5 26.3

125 9.9 7.2 10.8



#90

Benzo(a)pyrene

Concen: 51.142 ng

RT: 15.680 min Scan# 2226

Delta R.T. 0.006 min

Lab File: BF132678.D

Acq: 07 Mar 2023 15:06

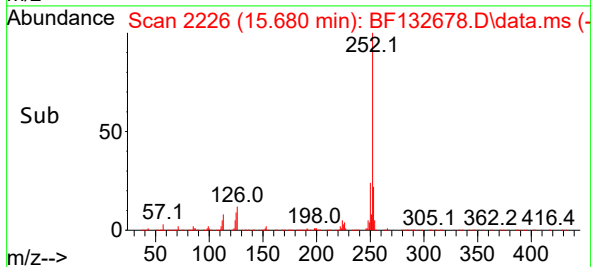
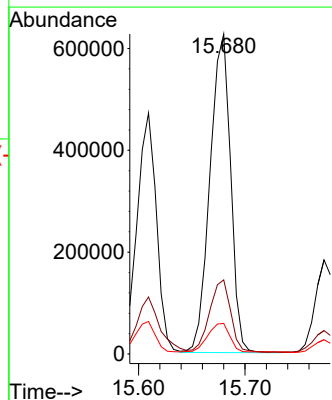
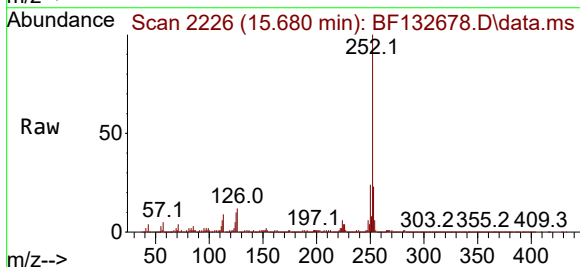
Tgt Ion:252 Resp: 842392

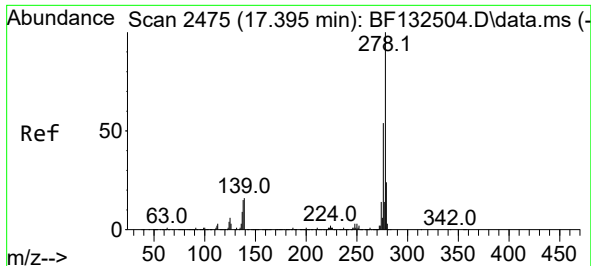
Ion Ratio Lower Upper

252 100

253 23.2 17.2 25.8

125 9.5 8.0 12.0

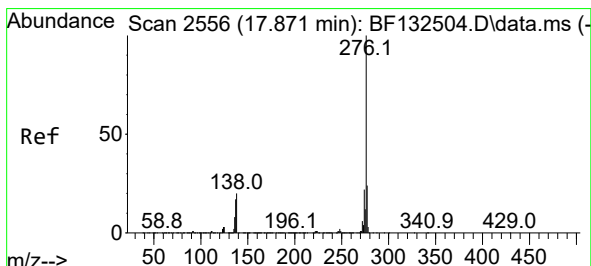
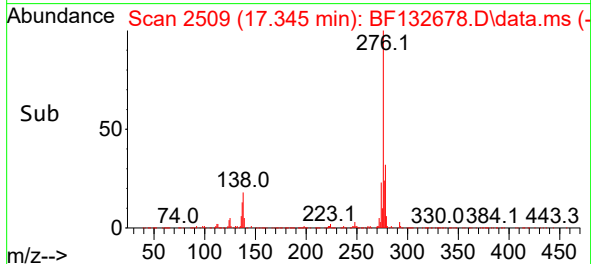
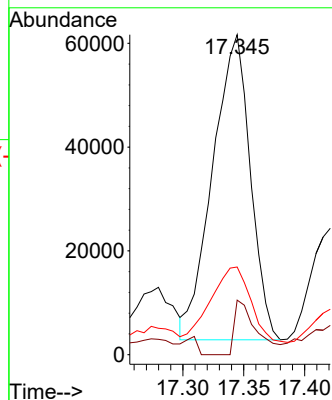
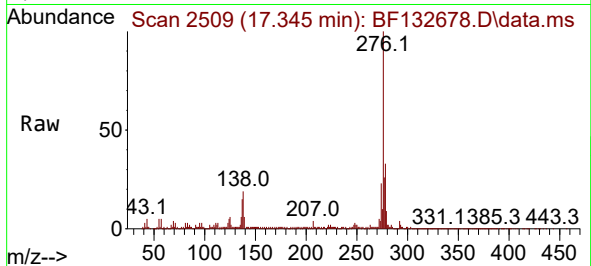




#91
Dibenzo(a,h)anthracene
Concen: 9.028 ng
RT: 17.345 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF132678.D
Acq: 07 Mar 2023 15:06

Instrument :
BNA_F
ClientSampleId :
PL-04-03032023

Tgt Ion:278 Resp: 126575
Ion Ratio Lower Upper
278 100
139 17.0 13.0 19.4
279 27.4 19.0 28.4



#92
Benzo(g,h,i)perylene
Concen: 30.196 ng
RT: 17.821 min Scan# 2590
Delta R.T. -0.012 min
Lab File: BF132678.D
Acq: 07 Mar 2023 15:06

Tgt Ion:276 Resp: 468632
Ion Ratio Lower Upper
276 100
277 24.7 18.9 28.3
138 21.3 16.2 24.4

