

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
 Data File : BF136164.D
 Acq On : 06 Nov 2023 20:00
 Operator : CG\JU
 Sample : 05253-02DL 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 L-6(0-5)DL

Quant Time: Nov 06 23:31:41 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 06 00:53:35 2023
 Response via : Initial Calibration

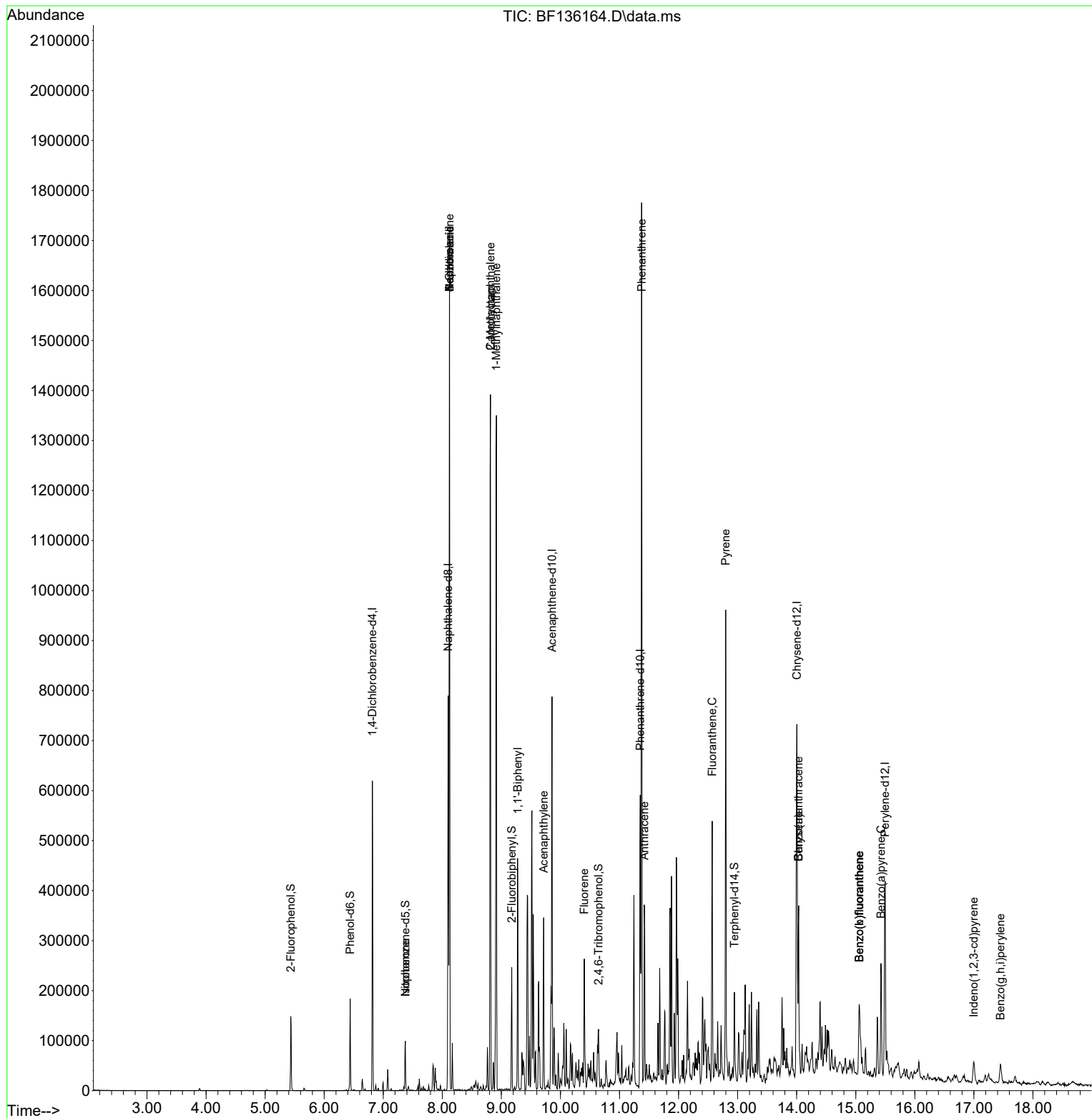
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	82601	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	307577	20.000	ng	# 0.00
39) Acenaphthene-d10	9.857	164	141552	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	216291	20.000	ng	0.00
76) Chrysene-d12	14.004	240	180900	20.000	ng	0.00
86) Perylene-d12	15.498	264	178723	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	37424	7.120	ng	-0.01
7) Phenol-d6	6.439	99	47022	7.180	ng	-0.02
23) Nitrobenzene-d5	7.375	82	28490	5.584	ng	-0.01
42) 2,4,6-Tribromophenol	10.645	330	9185	6.079	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	58502	6.588	ng	0.00
79) Terphenyl-d14	12.945	244	50722	4.357	ng	0.00
Target Compounds						
25) Isophorone	7.375	82	28489	2.958	ng	# 64
31) Naphthalene	8.122	128	642173	43.297	ng	99
32) Benzoic acid	8.122	122	1528	5.497	ng	# 1
33) 4-Chloroaniline	8.122	127	86224	13.275	ng	# 35
35) Caprolactam	8.816	113	8122	5.955	ng	# 1
37) 2-Methylnaphthalene	8.816	142	350717	35.265	ng	100
38) 1-Methylnaphthalene	8.916	142	334236	36.114	ng	97
46) 1,1'-Biphenyl	9.275	154	132356	12.266	ng	98
49) Acenaphthylene	9.716	152	80524	6.489	ng	97
58) Fluorene	10.404	166	62369	7.241	ng	98
71) Phenanthrene	11.374	178	596949	54.815	ng	99
72) Anthracene	11.422	178	135226	12.118	ng	100
75) Fluoranthene	12.569	202	189305	16.921	ng	96
78) Pyrene	12.798	202	348936	21.878	ng	100
81) Benzo(a)anthracene	14.033	228	135123	11.283	ng	96
83) Chrysene	14.033	228	135123	11.457	ng	99
87) Indeno(1,2,3-cd)pyrene	16.998	276	28348	2.427	ng	96
88) Benzo(b)fluoranthene	15.062	252	118519	11.207	ng	99
89) Benzo(k)fluoranthene	15.062	252	118519	11.327	ng	99
90) Benzo(a)pyrene	15.427	252	105950	10.782	ng	96
92) Benzo(g,h,i)perylene	17.451	276	29631	5.451	ng	97

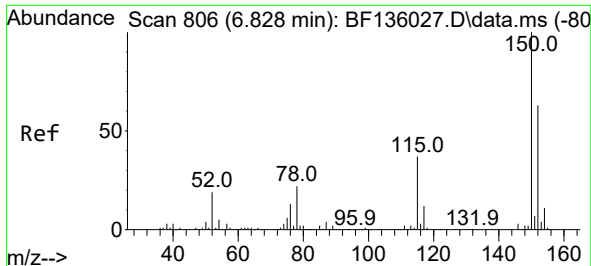
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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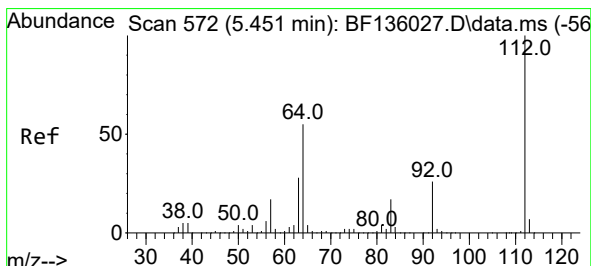
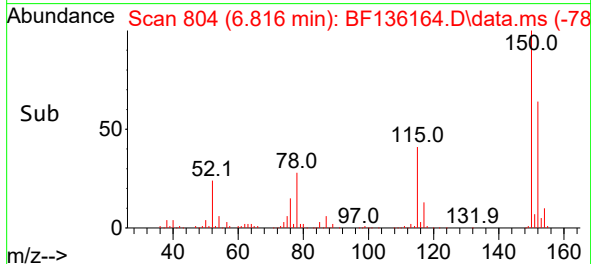
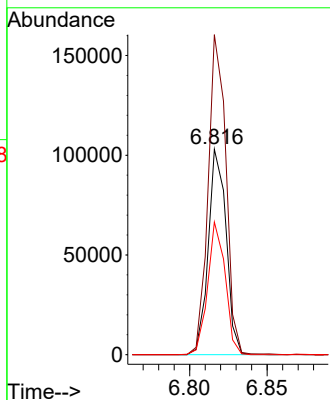
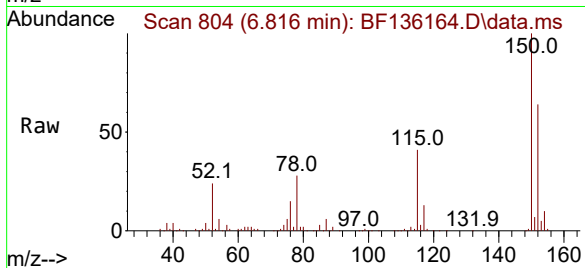




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF136164.D
Acq: 06 Nov 2023 20:00

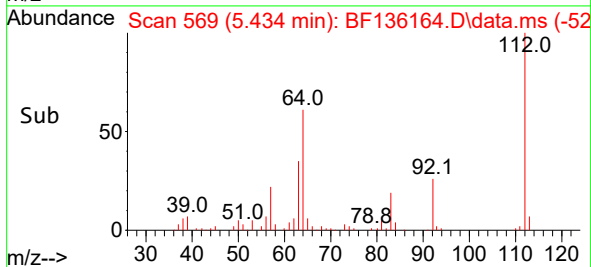
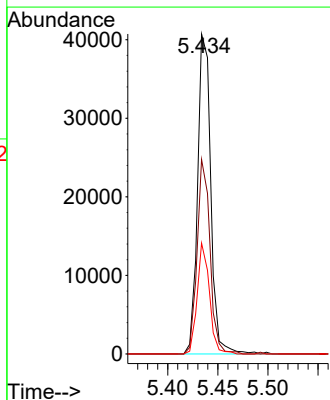
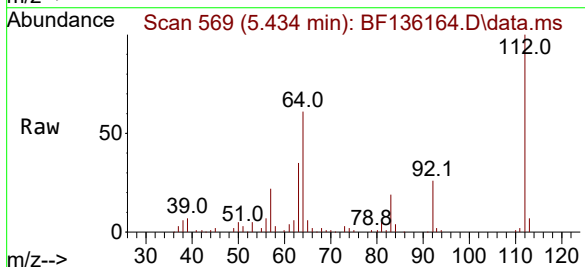
Instrument :
BNA_F
ClientSampleId :
L-6(0-5)DL

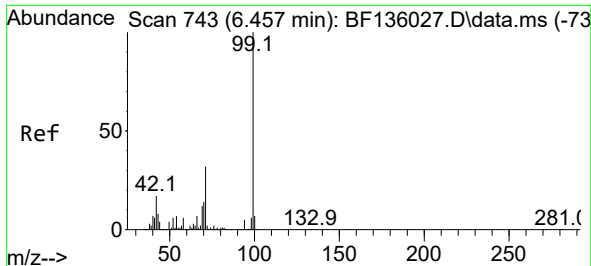
Tgt Ion:152 Resp: 82601
Ion Ratio Lower Upper
152 100
150 155.7 126.4 189.6
115 64.5 47.0 70.4



#5
2-Fluorophenol
Concen: 7.120 ng
RT: 5.434 min Scan# 569
Delta R.T. -0.012 min
Lab File: BF136164.D
Acq: 06 Nov 2023 20:00

Tgt Ion:112 Resp: 37424
Ion Ratio Lower Upper
112 100
64 60.8 43.9 65.9
63 34.6 22.4 33.6#

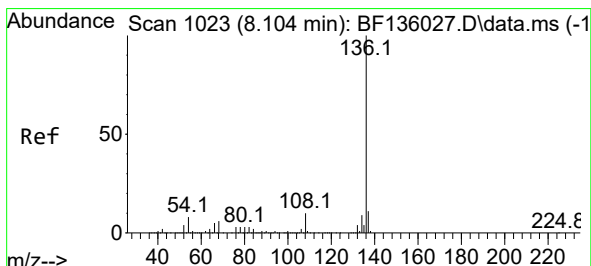
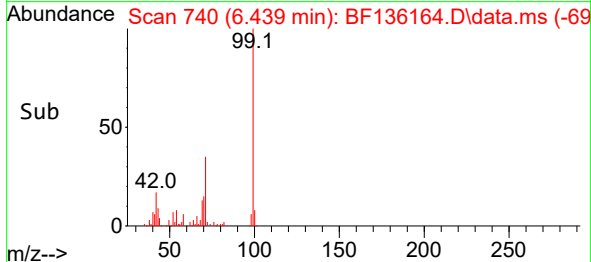
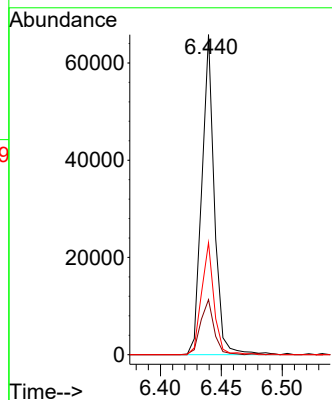
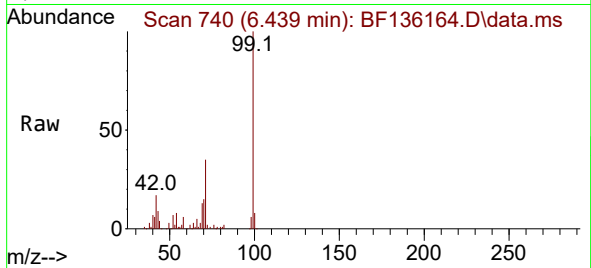




#7
Phenol-d6
Concen: 7.180 ng
RT: 6.439 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF136164.D
Acq: 06 Nov 2023 20:00

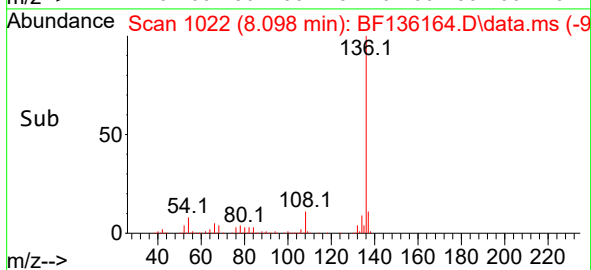
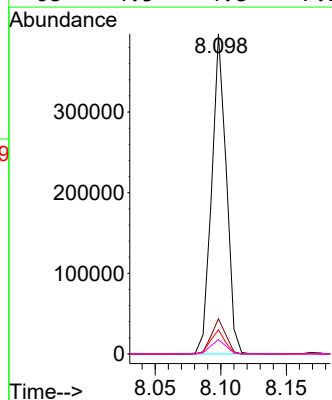
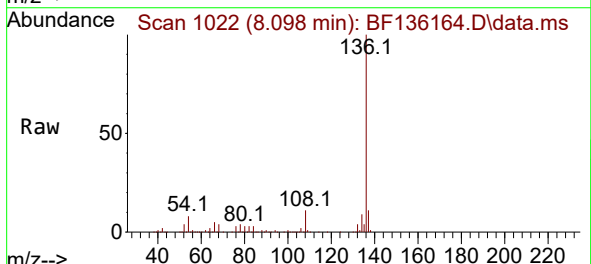
Instrument :
BNA_F
ClientSampleId :
L-6(0-5)DL

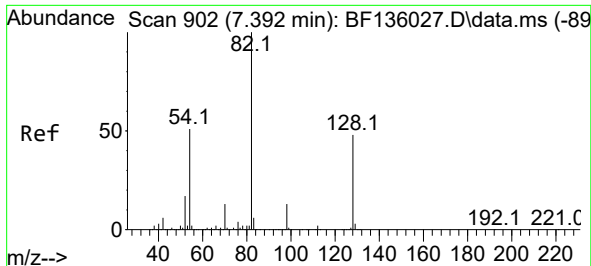
Tgt Ion: 99 Resp: 47022
Ion Ratio Lower Upper
99 100
42 17.2 13.7 20.5
71 35.0 25.9 38.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF136164.D
Acq: 06 Nov 2023 20:00

Tgt Ion: 136 Resp: 307577
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 7.6 6.6 9.8
68 4.5 4.8 7.2#





#23

Nitrobenzene-d5

Concen: 5.584 ng

RT: 7.375 min Scan# 899

Delta R.T. -0.012 min

Lab File: BF136164.D

Acq: 06 Nov 2023 20:00

Instrument :

BNA_F

ClientSampleId :

L-6(0-5)DL

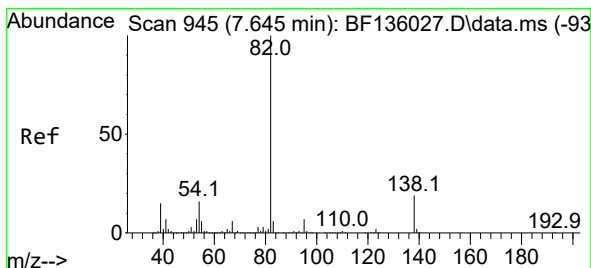
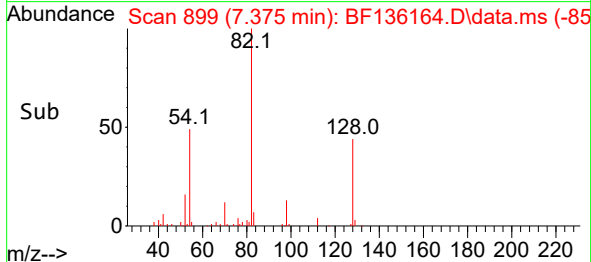
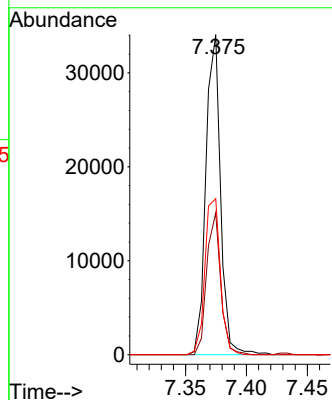
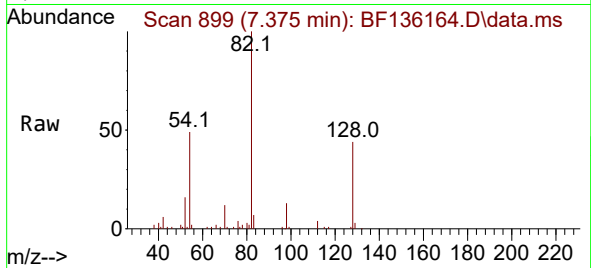
Tgt Ion: 82 Resp: 28490

Ion Ratio Lower Upper

82 100

128 44.3 38.6 57.8

54 48.8 40.8 61.2



#25

Isophorone

Concen: 2.958 ng

RT: 7.375 min Scan# 899

Delta R.T. -0.265 min

Lab File: BF136164.D

Acq: 06 Nov 2023 20:00

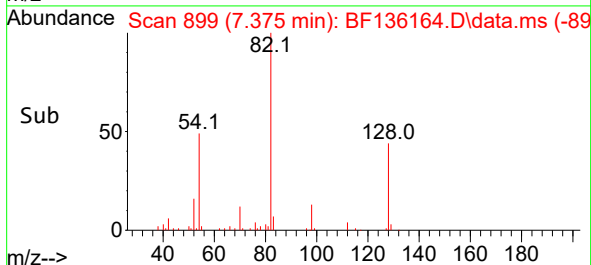
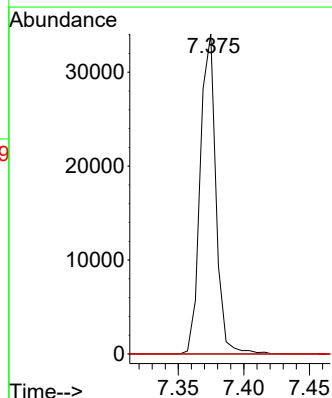
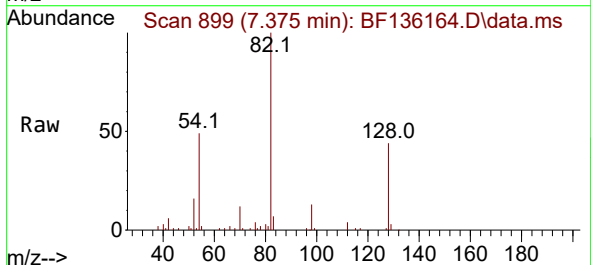
Tgt Ion: 82 Resp: 28489

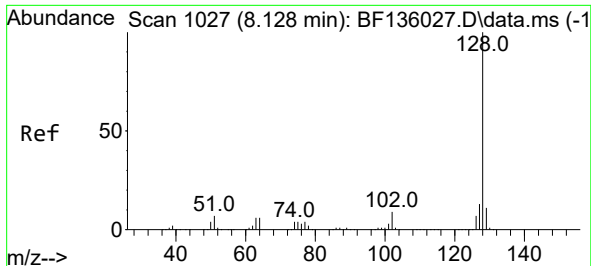
Ion Ratio Lower Upper

82 100

95 0.0 5.9 8.9#

138 0.0 15.3 22.9#

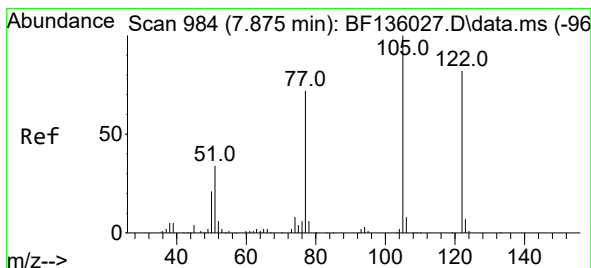
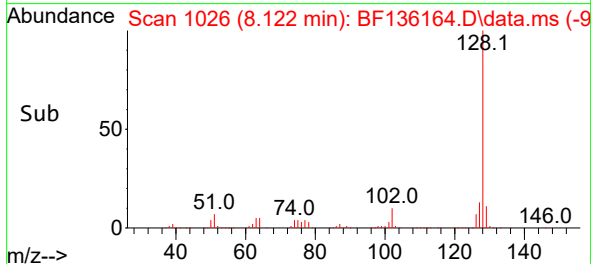
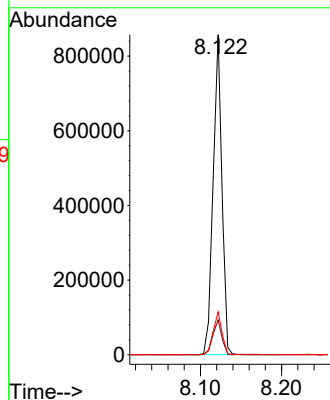
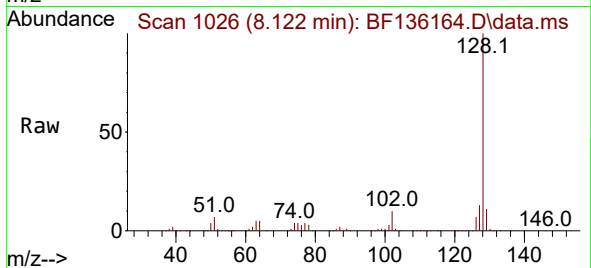




#31
Naphthalene
Concen: 43.297 ng
RT: 8.122 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BF136164.D
Acq: 06 Nov 2023 20:00

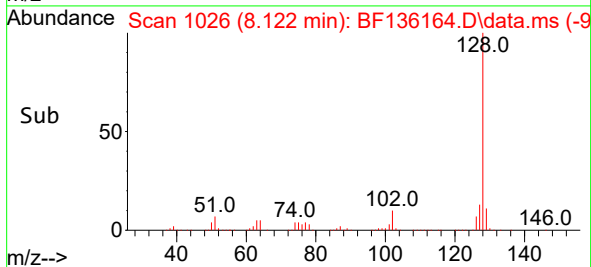
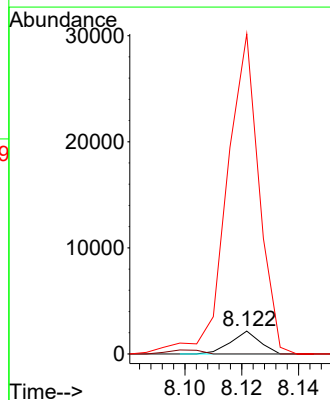
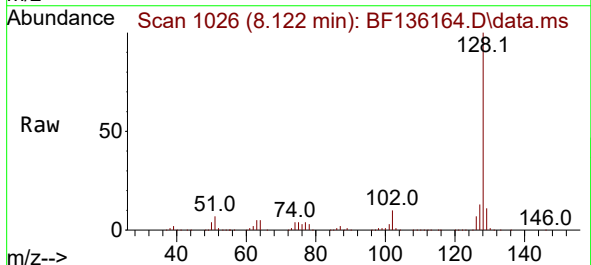
Instrument :
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ClientSampleId :
L-6(0-5)DL

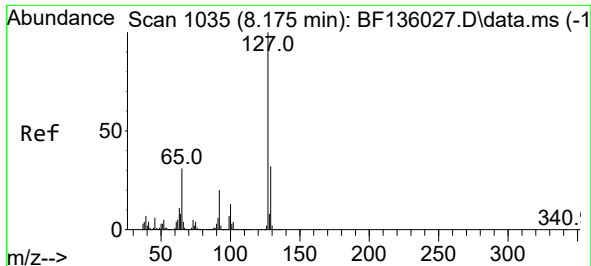
Tgt Ion:128 Resp: 642173
Ion Ratio Lower Upper
128 100
129 10.9 8.9 13.3
127 13.4 10.5 15.7



#32
Benzoic acid
Concen: 5.497 ng
RT: 8.122 min Scan# 1026
Delta R.T. 0.253 min
Lab File: BF136164.D
Acq: 06 Nov 2023 20:00

Tgt Ion:122 Resp: 1528
Ion Ratio Lower Upper
122 100
105 0.0 99.5 139.5#
77 1396.9 66.8 106.8#

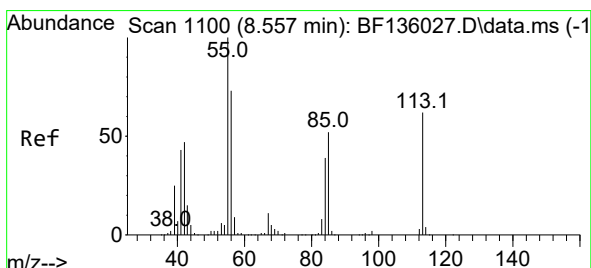
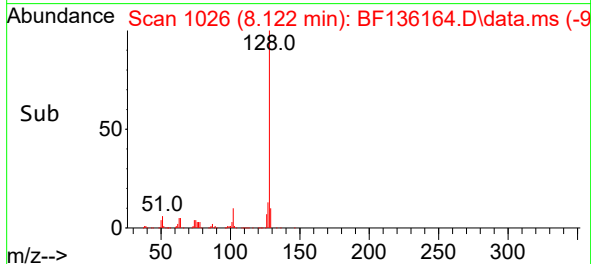
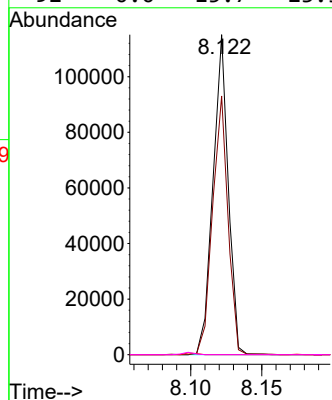
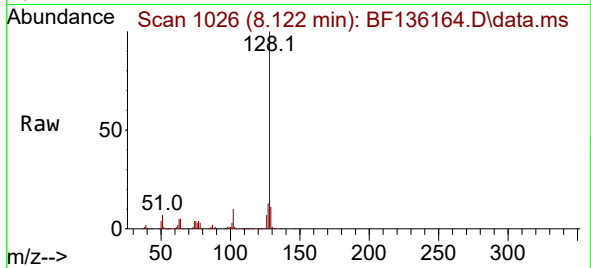




#33
4-Chloroaniline
Concen: 13.275 ng
RT: 8.122 min Scan# 1144
Delta R.T. -0.053 min
Lab File: BF136164.D
Acq: 06 Nov 2023 20:00

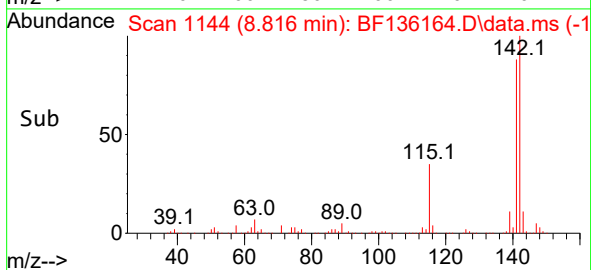
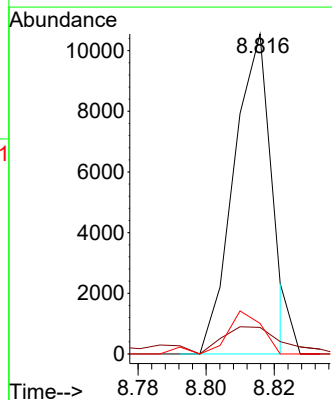
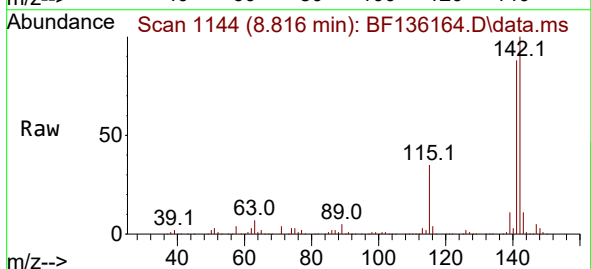
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ClientSampleId :
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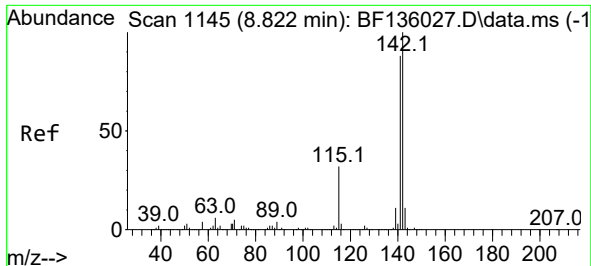
Tgt Ion:127	Resp:	86224
Ion	Ratio	Lower Upper
127	100	
129	80.8	25.9 38.9#
65	0.0	24.6 37.0#
92	0.0	15.7 23.5#



#35
Caprolactam
Concen: 5.955 ng
RT: 8.816 min Scan# 1144
Delta R.T. 0.265 min
Lab File: BF136164.D
Acq: 06 Nov 2023 20:00

Tgt Ion:113	Resp:	8122
Ion	Ratio	Lower Upper
113	100	
55	8.3	142.2 182.2#
56	9.5	97.7 137.7#





#37

2-Methylnaphthalene

Concen: 35.265 ng

RT: 8.816 min Scan# 1144

Delta R.T. 0.000 min

Lab File: BF136164.D

Acq: 06 Nov 2023 20:00

Instrument :

BNA_F

ClientSampleId :

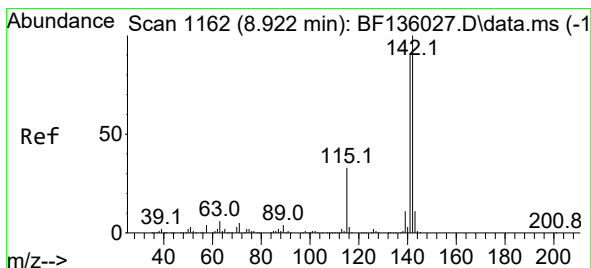
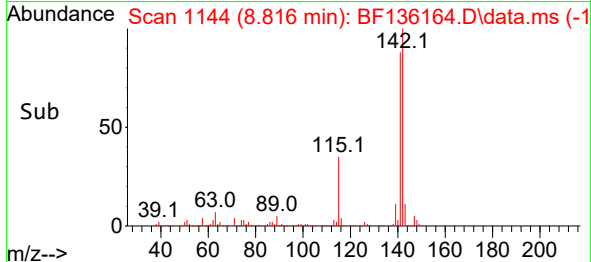
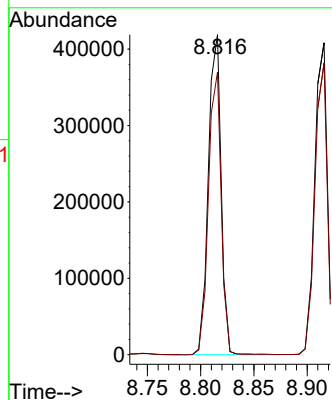
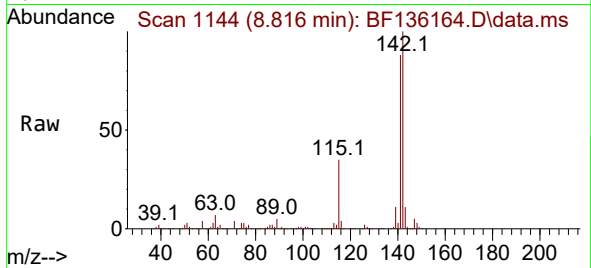
L-6(0-5)DL

Tgt Ion:142 Resp: 350717

Ion Ratio Lower Upper

142 100

141 88.3 70.4 105.6



#38

1-Methylnaphthalene

Concen: 36.114 ng

RT: 8.916 min Scan# 1161

Delta R.T. 0.000 min

Lab File: BF136164.D

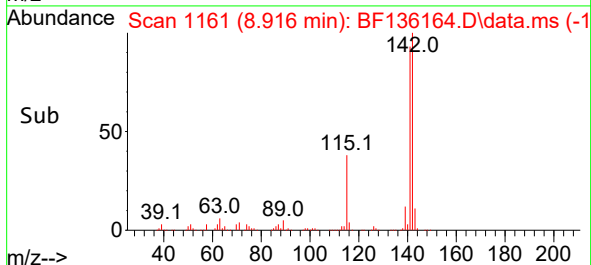
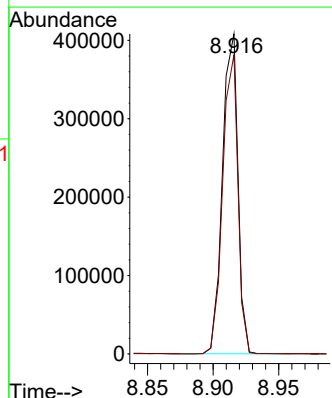
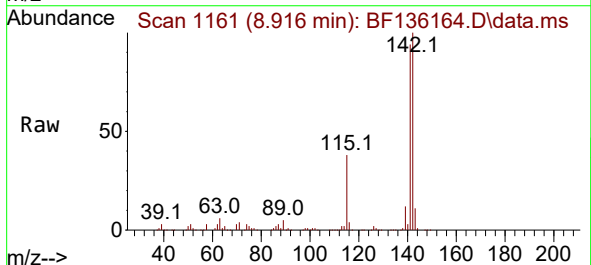
Acq: 06 Nov 2023 20:00

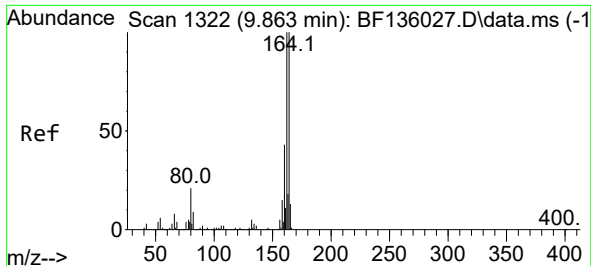
Tgt Ion:142 Resp: 334236

Ion Ratio Lower Upper

142 100

141 93.5 72.6 109.0

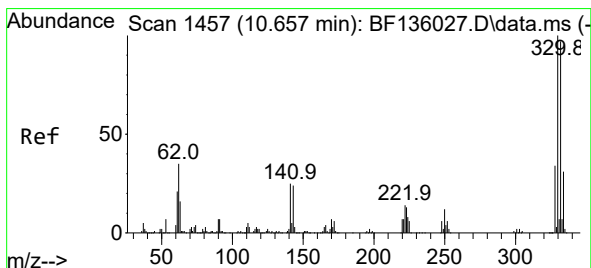
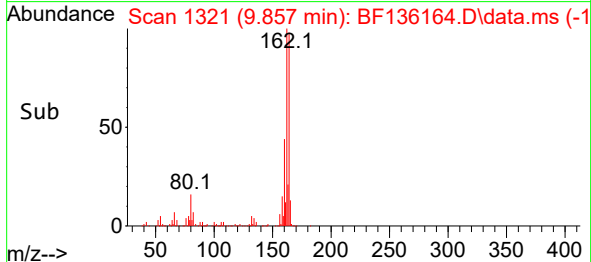
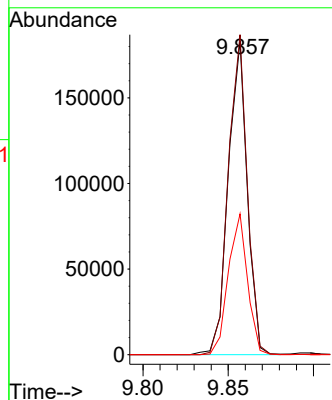
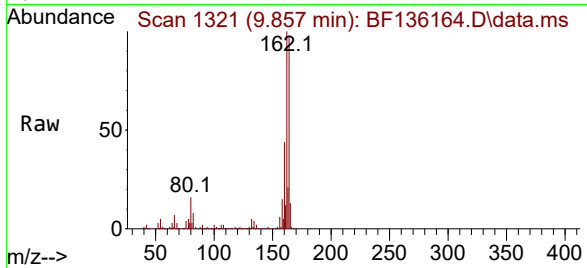




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF136164.D
Acq: 06 Nov 2023 20:00

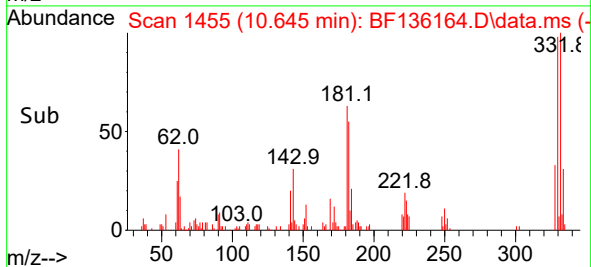
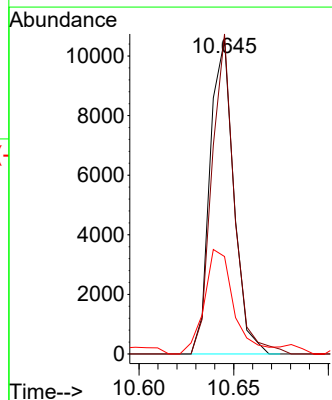
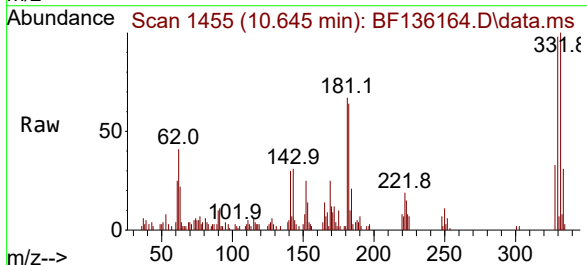
Instrument :
BNA_F
ClientSampleId :
L-6(0-5)DL

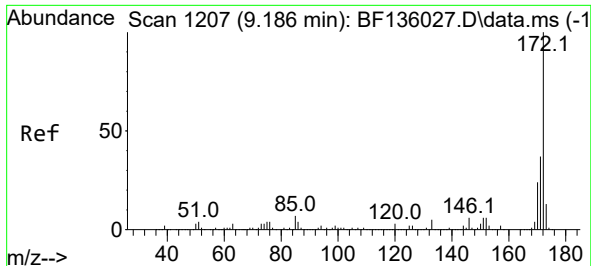
Tgt Ion:164 Resp: 141552
Ion Ratio Lower Upper
164 100
162 102.0 80.1 120.1
160 44.9 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 6.079 ng
RT: 10.645 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BF136164.D
Acq: 06 Nov 2023 20:00

Tgt Ion:330 Resp: 9185
Ion Ratio Lower Upper
330 100
332 96.2 76.9 115.3
141 44.1 23.2 34.8#





#45

2-Fluorobiphenyl

Concen: 6.588 ng

RT: 9.175 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF136164.D

Acq: 06 Nov 2023 20:00

Instrument :

BNA_F

ClientSampleId :

L-6(0-5)DL

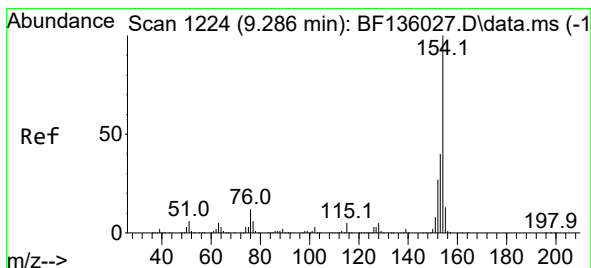
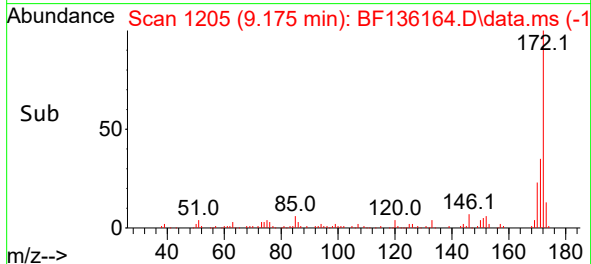
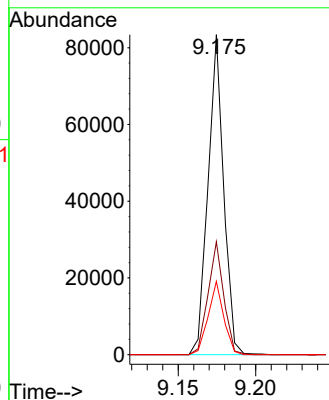
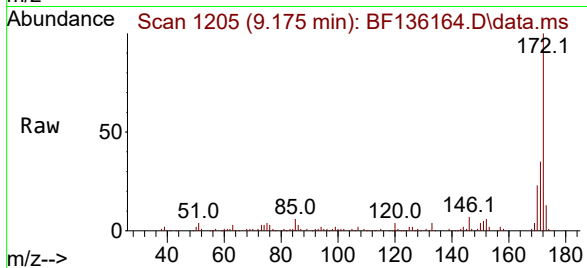
Tgt Ion:172 Resp: 58502

Ion Ratio Lower Upper

172 100

171 35.3 29.4 44.0

170 22.9 19.3 28.9



#46

1,1'-Biphenyl

Concen: 12.266 ng

RT: 9.275 min Scan# 1222

Delta R.T. -0.006 min

Lab File: BF136164.D

Acq: 06 Nov 2023 20:00

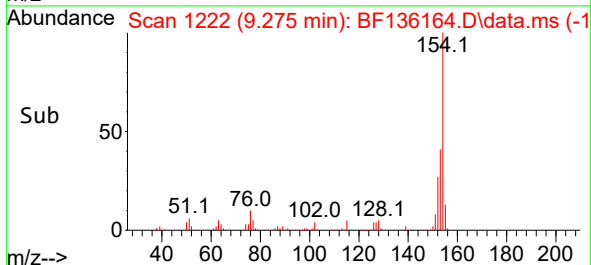
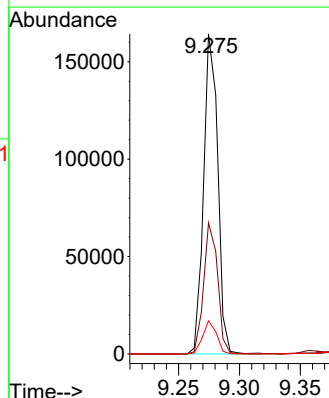
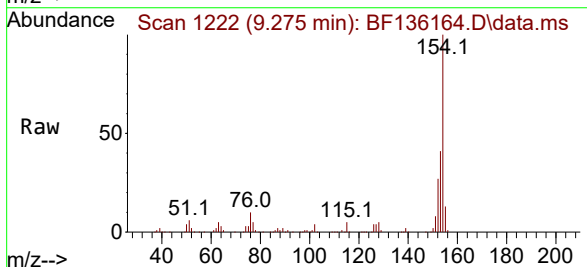
Tgt Ion:154 Resp: 132356

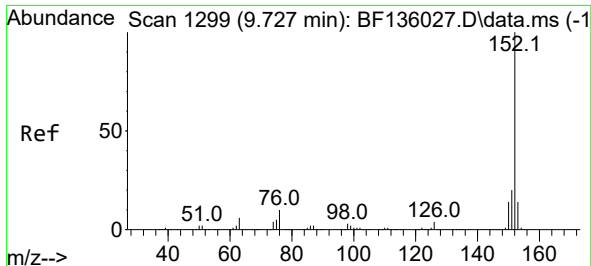
Ion Ratio Lower Upper

154 100

153 41.0 20.1 60.1

76 10.3 0.0 32.5





#49

Acenaphthylene

Concen: 6.489 ng

RT: 9.716 min Scan# 1297

Delta R.T. -0.006 min

Lab File: BF136164.D

Acq: 06 Nov 2023 20:00

Instrument :

BNA_F

ClientSampleId :

L-6(0-5)DL

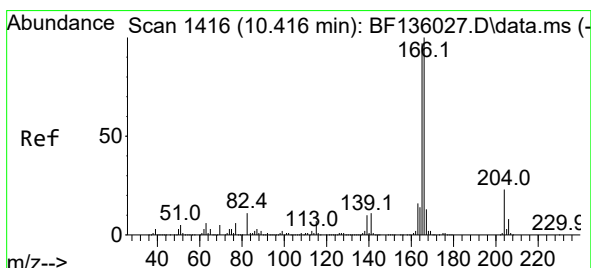
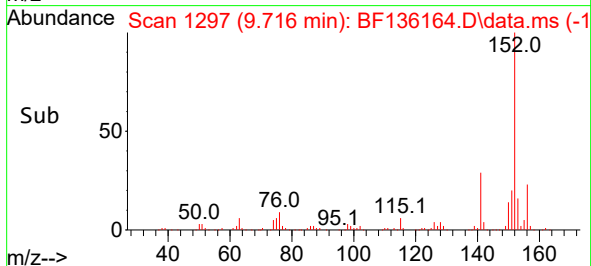
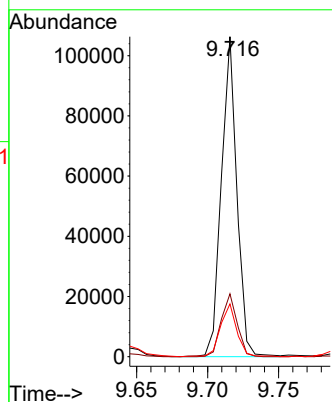
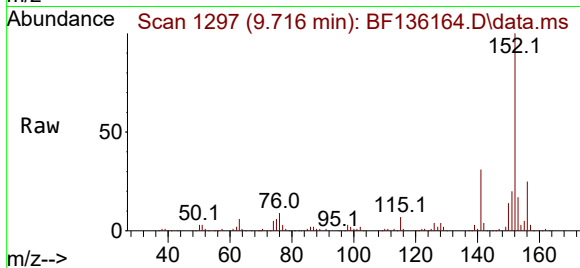
Tgt Ion:152 Resp: 80524

Ion Ratio Lower Upper

152 100

151 19.7 16.1 24.1

153 16.5 11.4 17.2



#58

Fluorene

Concen: 7.241 ng

RT: 10.404 min Scan# 1414

Delta R.T. -0.006 min

Lab File: BF136164.D

Acq: 06 Nov 2023 20:00

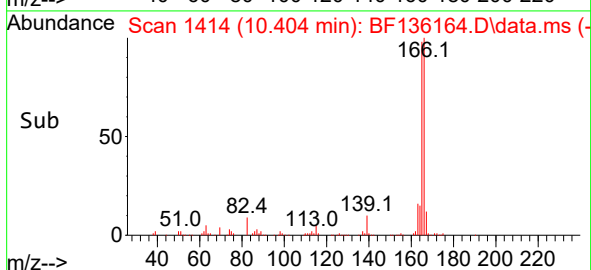
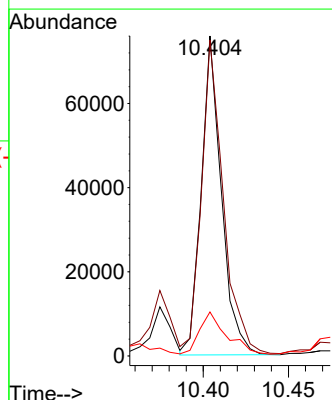
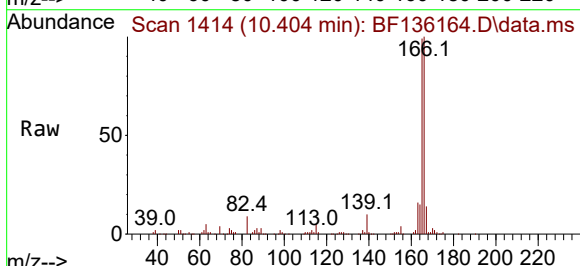
Tgt Ion:166 Resp: 62369

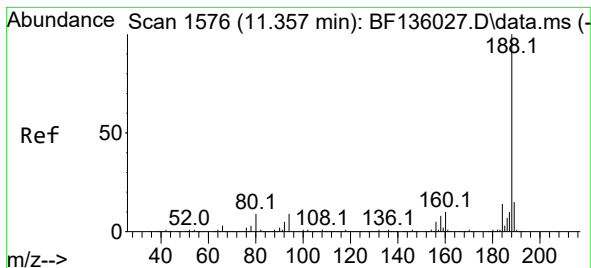
Ion Ratio Lower Upper

166 100

165 98.8 77.7 116.5

167 13.8 10.6 16.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.351 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF136164.D

Acq: 06 Nov 2023 20:00

Instrument :

BNA_F

ClientSampleId :

L-6(0-5)DL

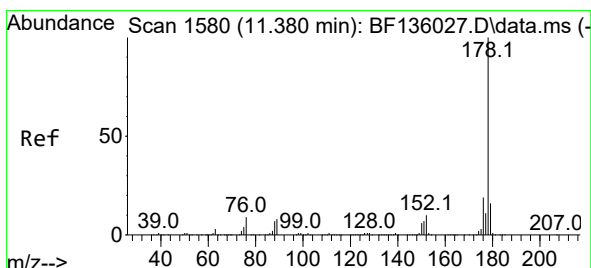
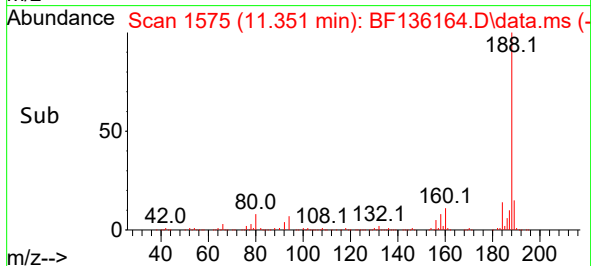
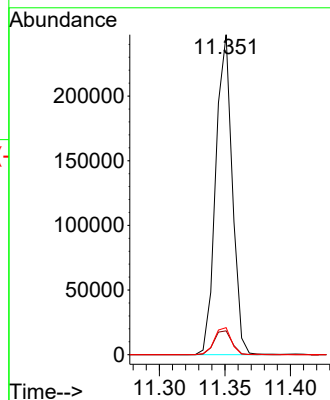
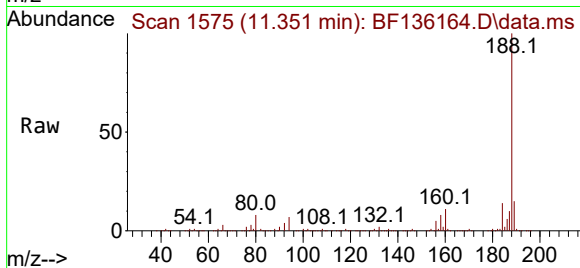
Tgt Ion:188 Resp: 216291

Ion Ratio Lower Upper

188 100

94 7.5 7.2 10.8

80 8.4 7.4 11.0



#71

Phenanthrene

Concen: 54.815 ng

RT: 11.374 min Scan# 1579

Delta R.T. 0.000 min

Lab File: BF136164.D

Acq: 06 Nov 2023 20:00

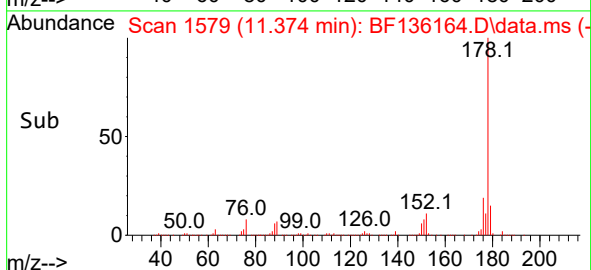
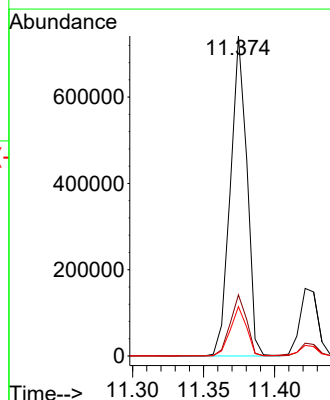
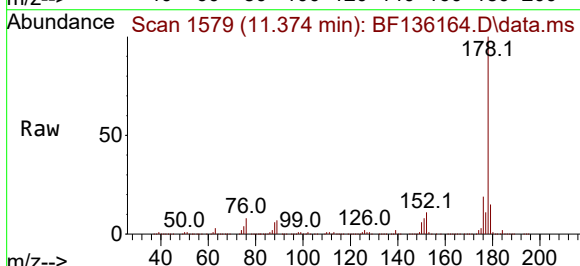
Tgt Ion:178 Resp: 596949

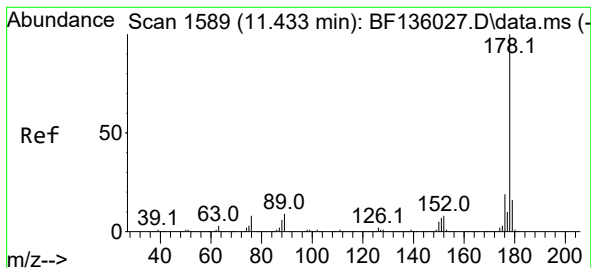
Ion Ratio Lower Upper

178 100

176 19.1 15.5 23.3

179 15.4 12.9 19.3





#72

Anthracene

Concen: 12.118 ng

RT: 11.422 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136164.D

Acq: 06 Nov 2023 20:00

Instrument :

BNA_F

ClientSampleId :

L-6(0-5)DL

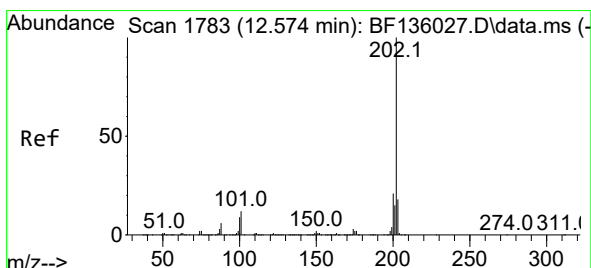
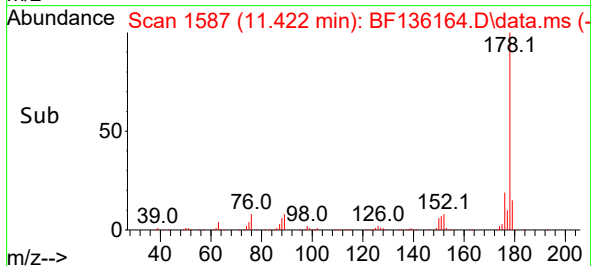
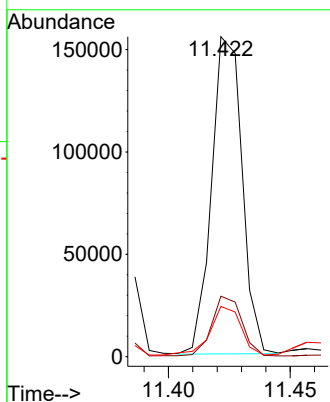
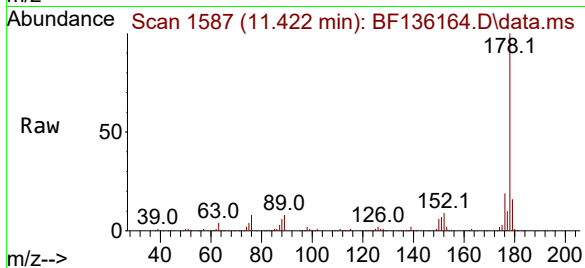
Tgt Ion:178 Resp: 135226

Ion Ratio Lower Upper

178 100

176 18.9 15.0 22.4

179 15.7 12.6 18.8



#75

Fluoranthene

Concen: 16.921 ng

RT: 12.569 min Scan# 1782

Delta R.T. 0.000 min

Lab File: BF136164.D

Acq: 06 Nov 2023 20:00

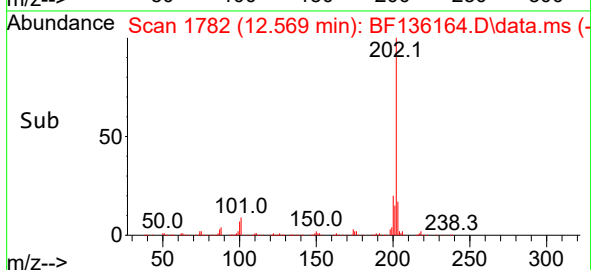
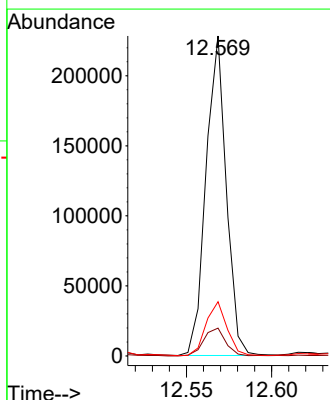
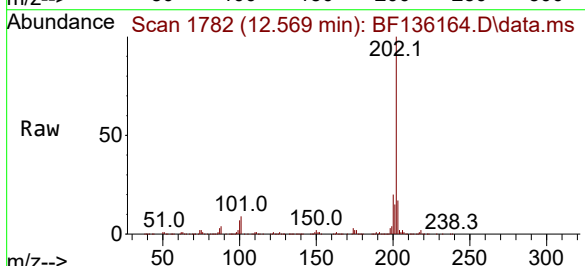
Tgt Ion:202 Resp: 189305

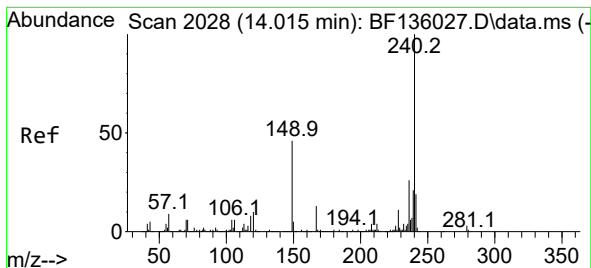
Ion Ratio Lower Upper

202 100

101 8.7 0.0 31.8

203 17.0 0.0 37.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136164.D

Acq: 06 Nov 2023 20:00

Instrument :

BNA_F

ClientSampleId :

L-6(0-5)DL

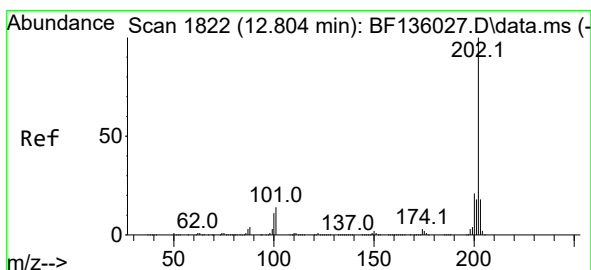
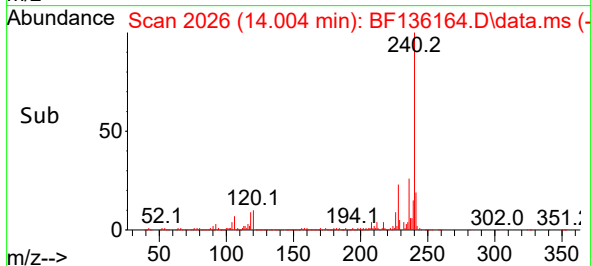
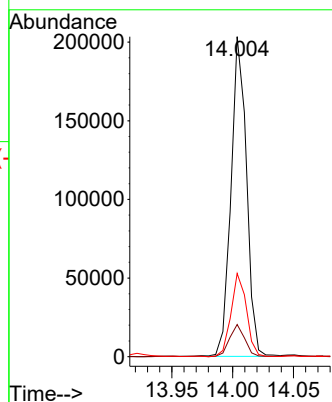
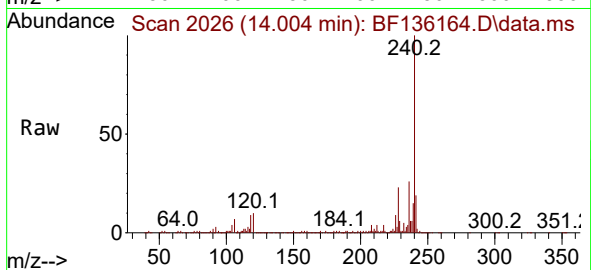
Tgt Ion:240 Resp: 180900

Ion Ratio Lower Upper

240 100

120 10.0 7.6 11.4

236 26.0 20.6 31.0



#78

Pyrene

Concen: 21.878 ng

RT: 12.798 min Scan# 1821

Delta R.T. 0.000 min

Lab File: BF136164.D

Acq: 06 Nov 2023 20:00

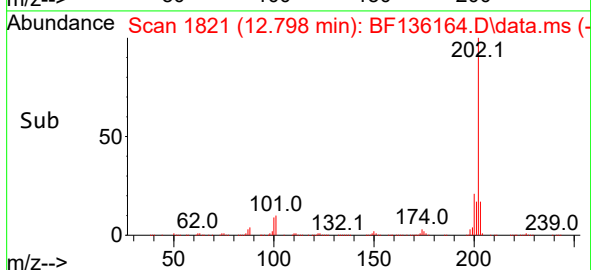
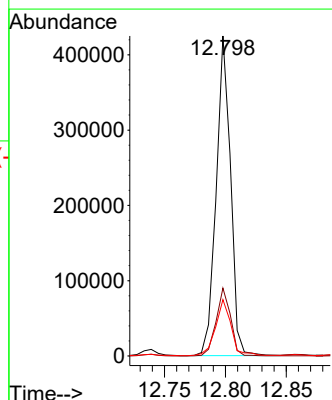
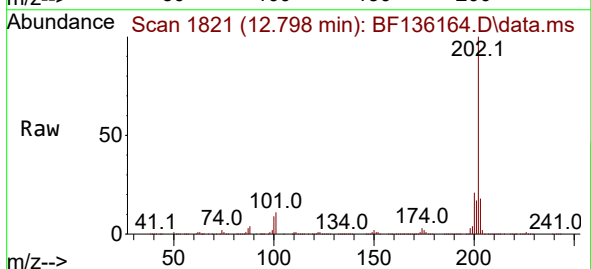
Tgt Ion:202 Resp: 348936

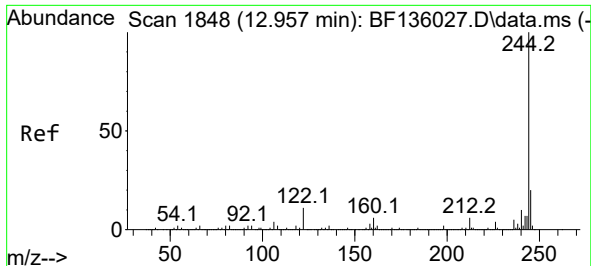
Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.4

203 17.6 14.4 21.6

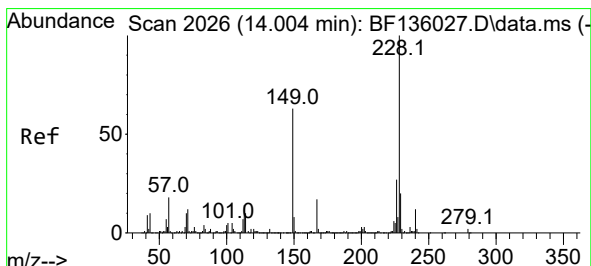
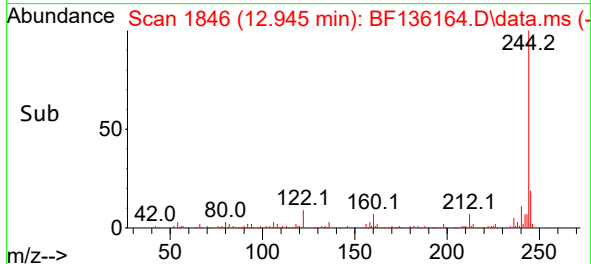
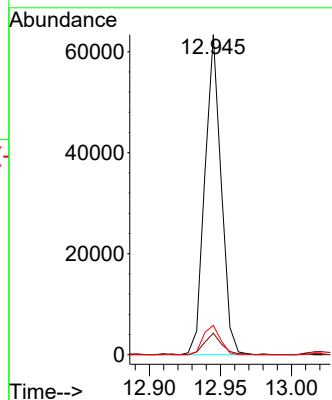
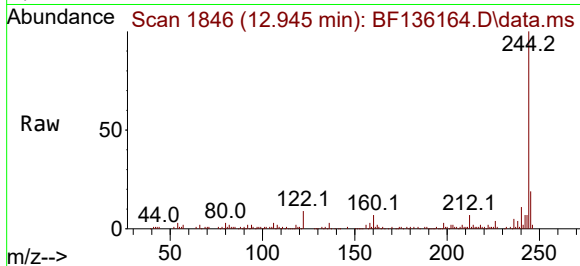




#79
 Terphenyl-d14
 Concen: 4.357 ng
 RT: 12.945 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF136164.D
 Acq: 06 Nov 2023 20:00

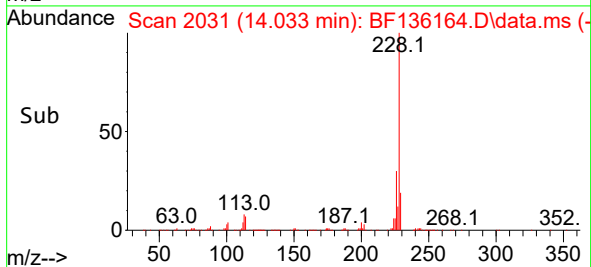
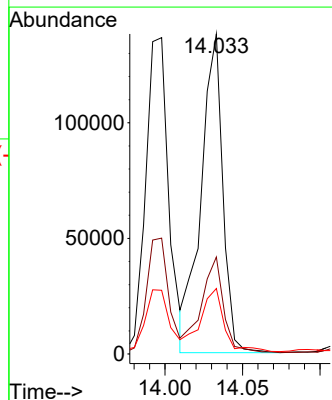
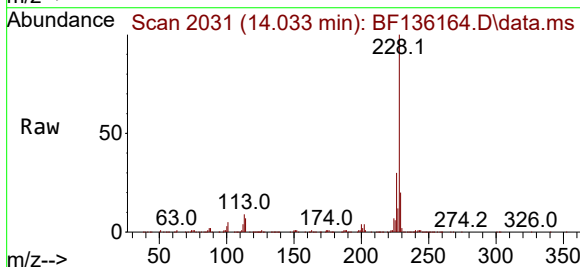
Instrument :
 BNA_F
 ClientSampleId :
 L-6(0-5)DL

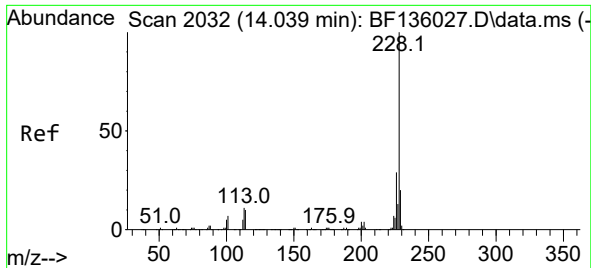
Tgt Ion:244 Resp: 50722
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.1 7.7
 122 9.1 8.6 12.8



#81
 Benzo(a)anthracene
 Concen: 11.283 ng
 RT: 14.033 min Scan# 2031
 Delta R.T. 0.035 min
 Lab File: BF136164.D
 Acq: 06 Nov 2023 20:00

Tgt Ion:228 Resp: 135123
 Ion Ratio Lower Upper
 228 100
 226 30.3 21.5 32.3
 229 20.5 15.8 23.6

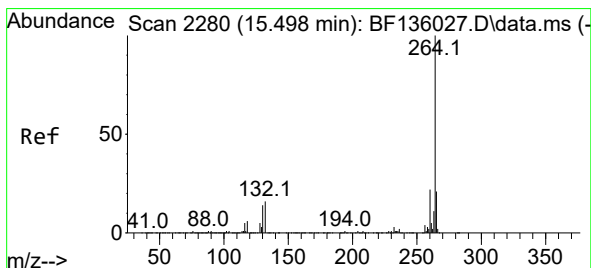
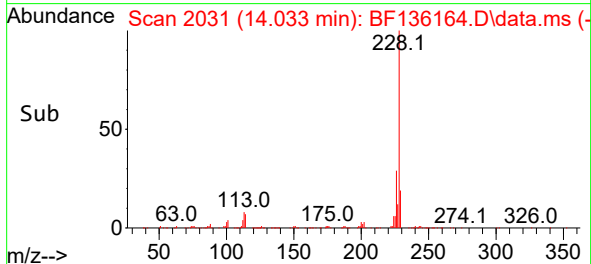
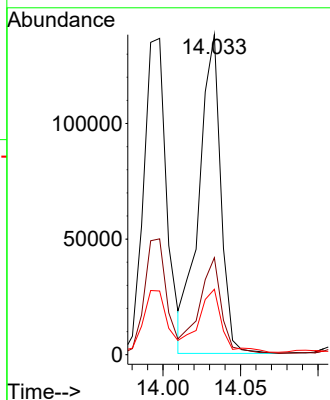
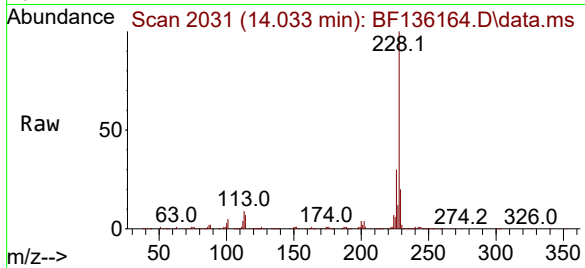




#83
Chrysene
Concen: 11.457 ng
RT: 14.033 min Scan# 2032
Delta R.T. 0.000 min
Lab File: BF136164.D
Acq: 06 Nov 2023 20:00

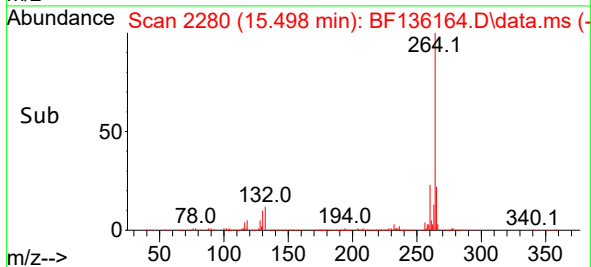
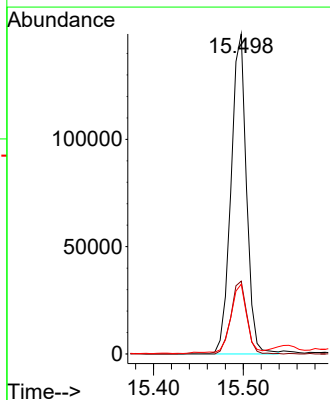
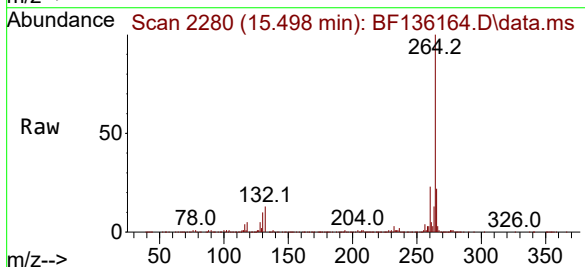
Instrument :
BNA_F
ClientSampleId :
L-6(0-5)DL

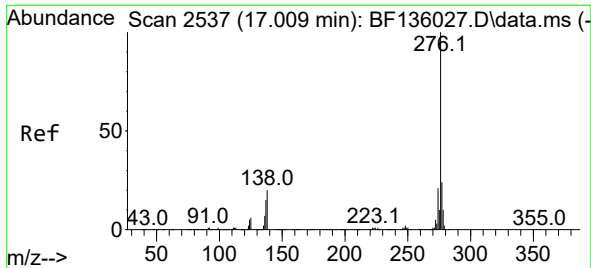
Tgt Ion:228 Resp: 135123
Ion Ratio Lower Upper
228 100
226 30.3 23.5 35.3
229 20.5 16.0 24.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 2280
Delta R.T. 0.006 min
Lab File: BF136164.D
Acq: 06 Nov 2023 20:00

Tgt Ion:264 Resp: 178723
Ion Ratio Lower Upper
264 100
260 22.7 17.9 26.9
265 21.8 16.8 25.2

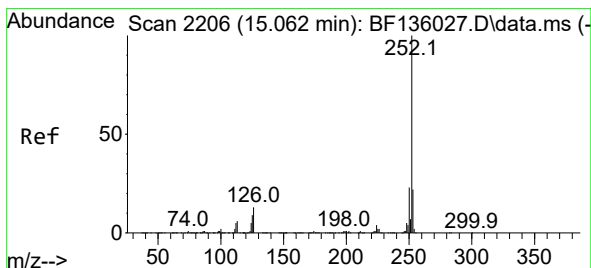
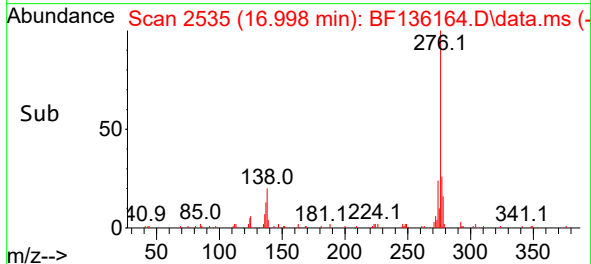
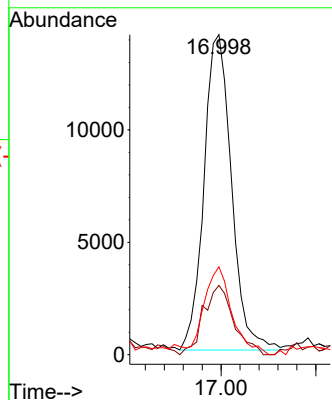
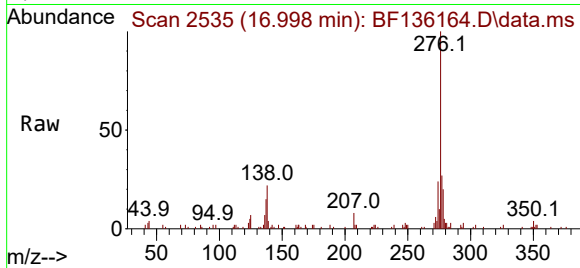




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.427 ng
RT: 16.998 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF136164.D
Acq: 06 Nov 2023 20:00

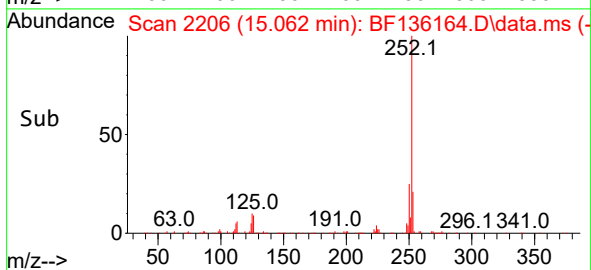
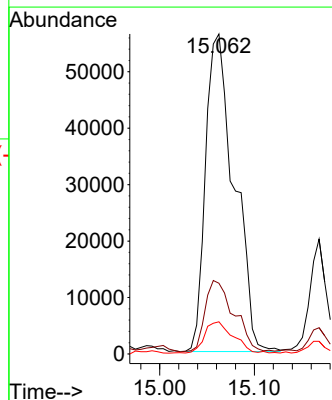
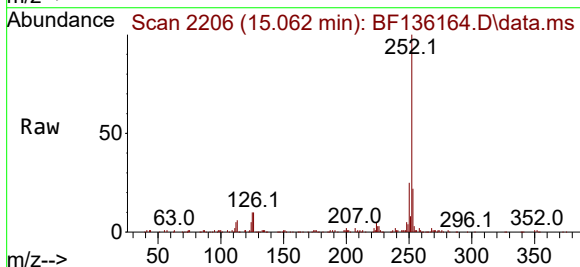
Instrument :
BNA_F
ClientSampleId :
L-6(0-5)DL

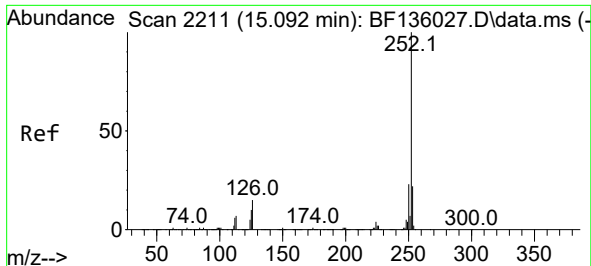
Tgt Ion:276 Resp: 28348
Ion Ratio Lower Upper
276 100
138 24.0 20.4 30.6
277 28.0 20.2 30.2



#88
Benzo(b)fluoranthene
Concen: 11.207 ng
RT: 15.062 min Scan# 2206
Delta R.T. 0.006 min
Lab File: BF136164.D
Acq: 06 Nov 2023 20:00

Tgt Ion:252 Resp: 118519
Ion Ratio Lower Upper
252 100
253 22.1 17.7 26.5
125 10.1 7.5 11.3

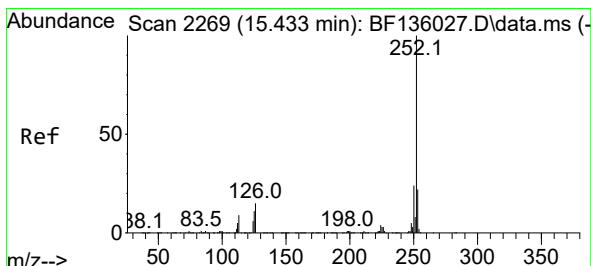
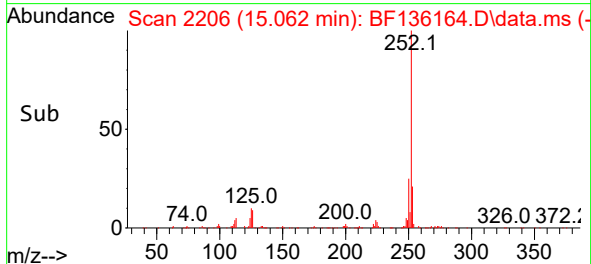
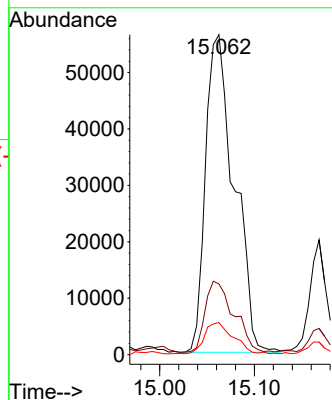
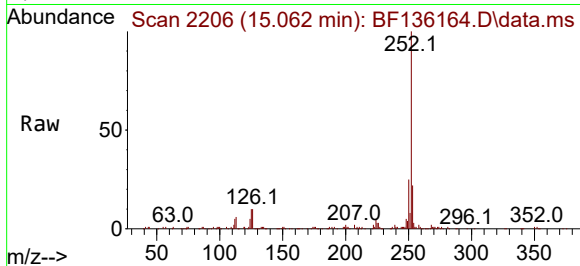




#89
Benzo(k)fluoranthene
Concen: 11.327 ng
RT: 15.062 min Scan# 211
Delta R.T. -0.023 min
Lab File: BF136164.D
Acq: 06 Nov 2023 20:00

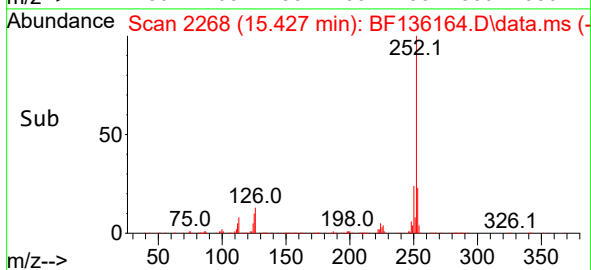
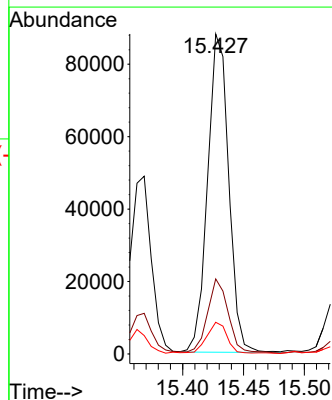
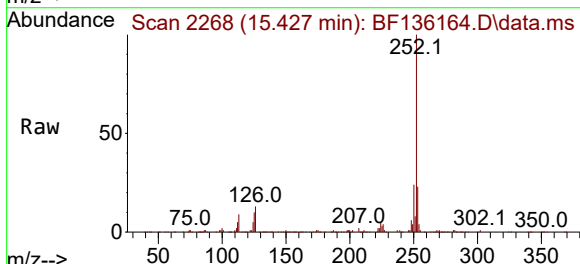
Instrument :
BNA_F
ClientSampleId :
L-6(0-5)DL

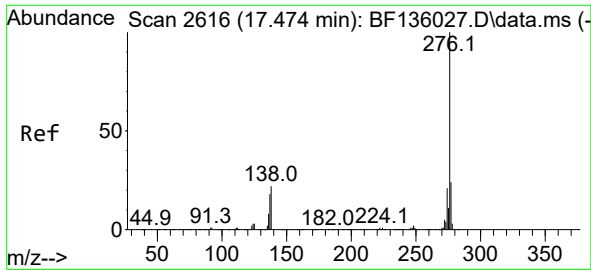
Tgt Ion:252 Resp: 118519
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.0
125 10.1 8.0 12.0



#90
Benzo(a)pyrene
Concen: 10.782 ng
RT: 15.427 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF136164.D
Acq: 06 Nov 2023 20:00

Tgt Ion:252 Resp: 105950
Ion Ratio Lower Upper
252 100
253 23.4 17.3 25.9
125 9.9 9.0 13.6





#92

Benzo(g,h,i)perylene

Concen: 5.451 ng

RT: 17.451 min Scan# 20

Delta R.T. -0.023 min

Lab File: BF136164.D

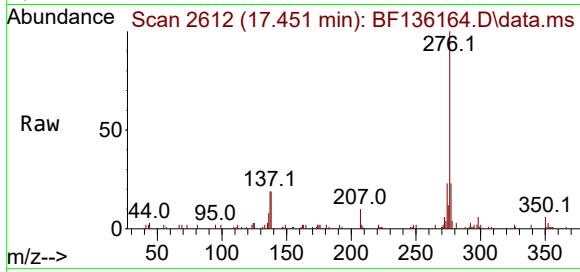
Acq: 06 Nov 2023 20:00

Instrument :

BNA_F

ClientSampleId :

L-6(0-5)DL



Tgt Ion:276 Resp: 29631

Ion Ratio Lower Upper

276 100

277 23.4 19.0 28.4

138 18.8 17.4 26.2

