

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010824\
 Data File : BF137003.D
 Acq On : 08 Jan 2024 19:33
 Operator : CG\JU
 Sample : P1051-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 340

Quant Time: Jan 09 00:42:25 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

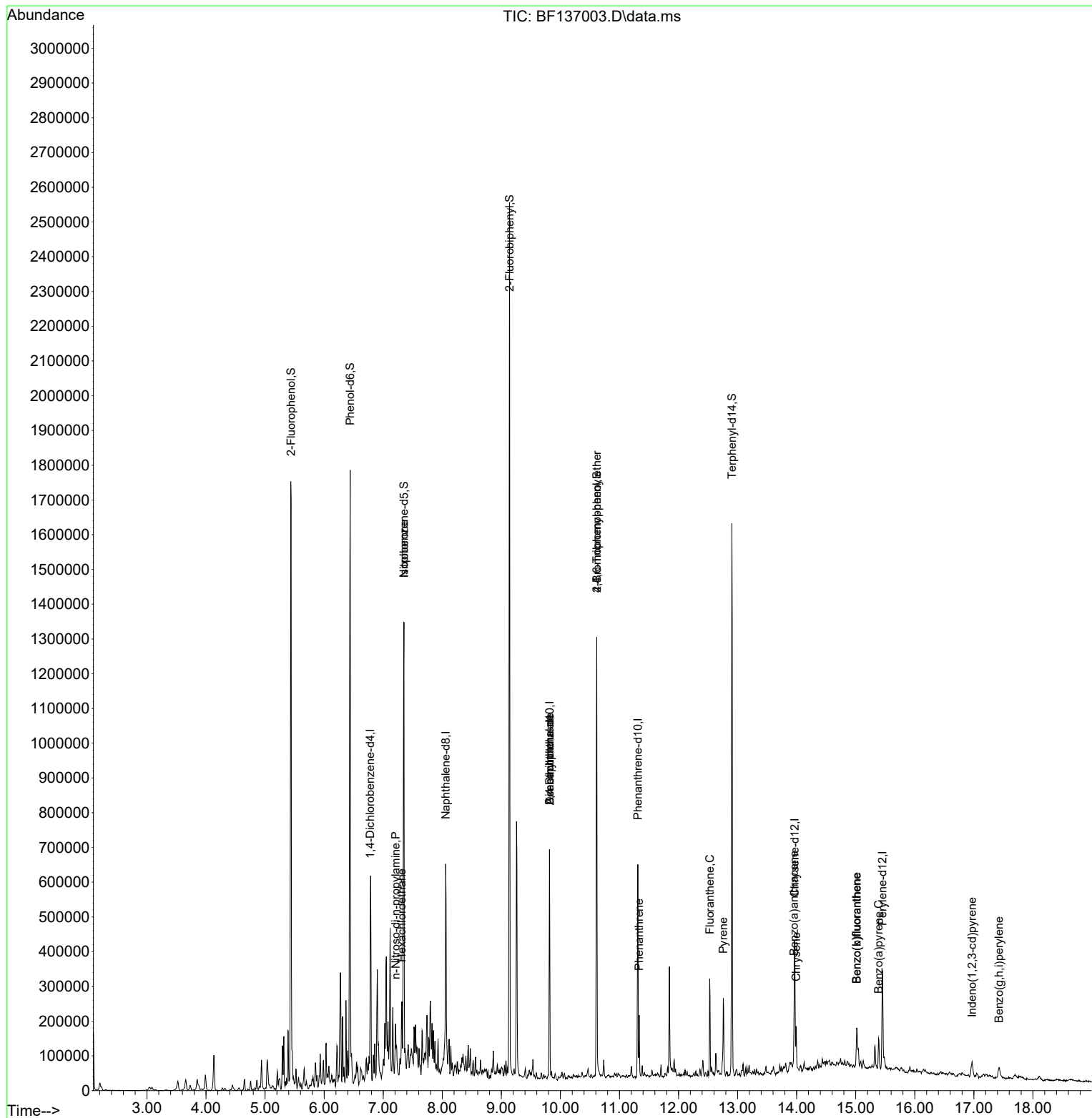
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	65491	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	253925	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	126280	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	210918	20.000	ng	0.00
76) Chrysene-d12	13.969	240	115123	20.000	ng	# 0.00
86) Perylene-d12	15.451	264	134858	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	529516	126.154	ng	0.01
7) Phenol-d6	6.440	99	648360	119.211	ng	0.00
23) Nitrobenzene-d5	7.351	82	417291	84.093	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	164146	110.370	ng	0.00
45) 2-Fluorobiphenyl	9.139	172	760448	80.994	ng	-0.01
79) Terphenyl-d14	12.904	244	580167	70.426	ng	-0.01
Target Compounds						Qvalue
18) Hexachloroethane	7.310	117	7371	3.964	ng	# 1
19) n-Nitroso-di-n-propyla...	7.210	70	9120	2.766	ng	# 47
25) Isophorone	7.351	82	417291	46.215	ng	# 65
50) Dimethylphthalate	9.816	163	24566	2.663	ng	# 1
57) 2,4-Dinitrotoluene	9.816	165	16518	6.078	ng	# 21
67) 4-Bromophenyl-phenylether	10.616	248	9630	4.111	ng	# 1
71) Phenanthrene	11.333	178	57500	5.313	ng	97
75) Fluoranthene	12.527	202	109946	9.498	ng	97
78) Pyrene	12.757	202	92489	8.184	ng	98
81) Benzo(a)anthracene	13.957	228	46709	5.843	ng	97
83) Chrysene	13.992	228	43419	5.554	ng	96
87) Indeno(1,2,3-cd)pyrene	16.968	276	29140	2.993	ng	96
88) Benzo(b)fluoranthene	15.015	252	83273	9.245	ng	# 97
89) Benzo(k)fluoranthene	15.015	252	83273	9.784	ng	97
90) Benzo(a)pyrene	15.386	252	43386	5.706	ng	# 97
92) Benzo(g,h,i)perylene	17.427	276	27377	3.346	ng	93

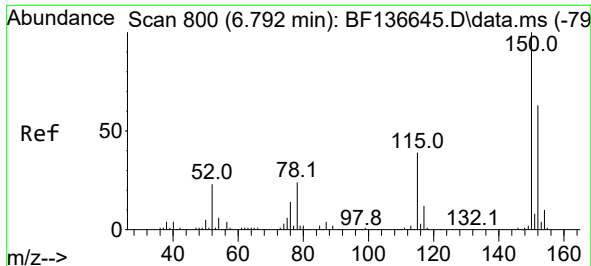
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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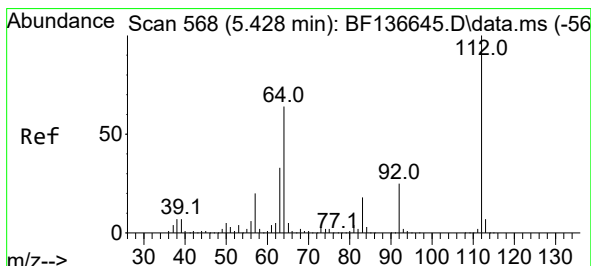
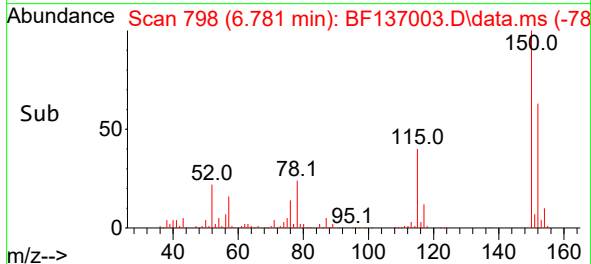
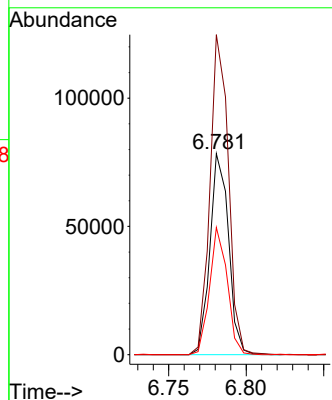
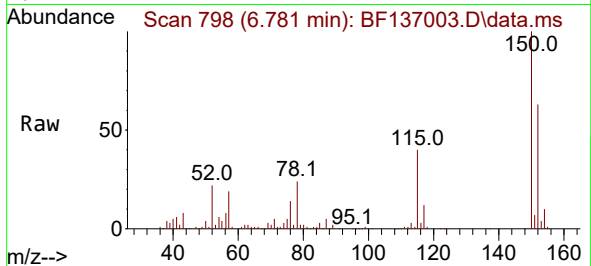




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF137003.D
Acq: 08 Jan 2024 19:33

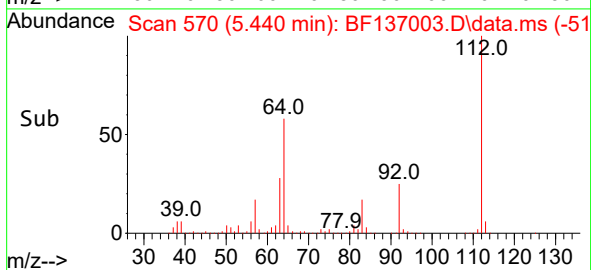
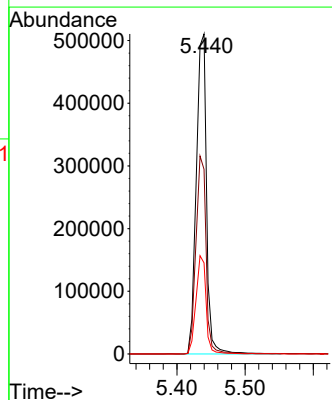
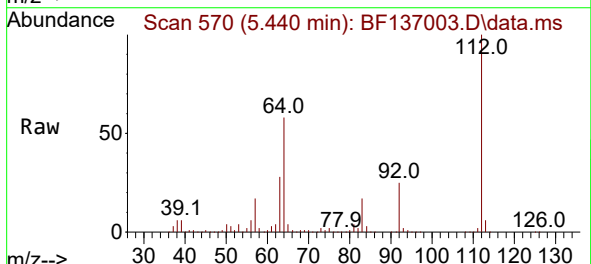
Instrument :
BNA_F
ClientSampleId :
340

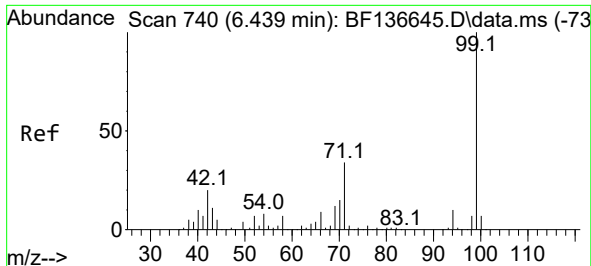
Tgt Ion:152 Resp: 65491
Ion Ratio Lower Upper
152 100
150 159.3 127.0 190.6
115 63.3 49.0 73.4



#5
2-Fluorophenol
Concen: 126.154 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.012 min
Lab File: BF137003.D
Acq: 08 Jan 2024 19:33

Tgt Ion:112 Resp: 529516
Ion Ratio Lower Upper
112 100
64 57.7 51.1 76.7
63 28.5 26.1 39.1

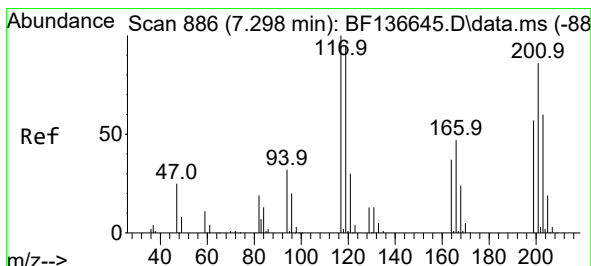
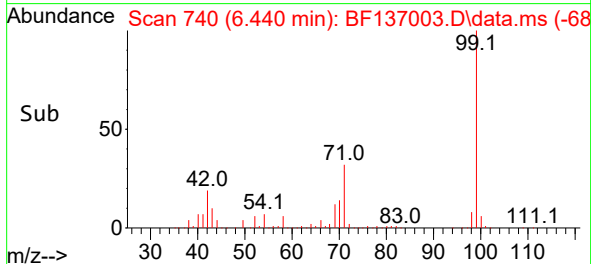
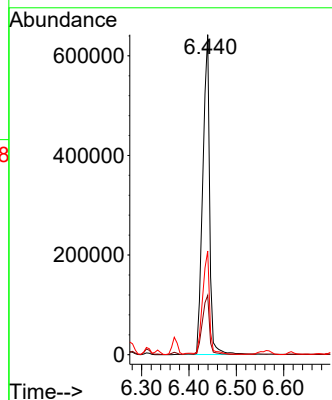
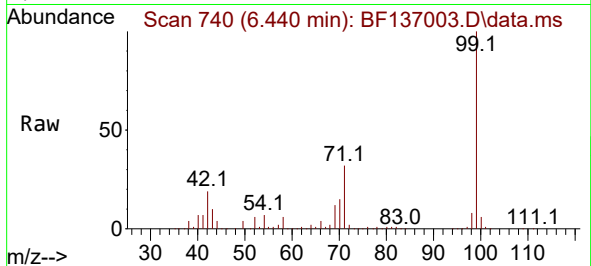




#7
Phenol-d6
Concen: 119.211 ng
RT: 6.440 min Scan# 740
Delta R.T. 0.000 min
Lab File: BF137003.D
Acq: 08 Jan 2024 19:33

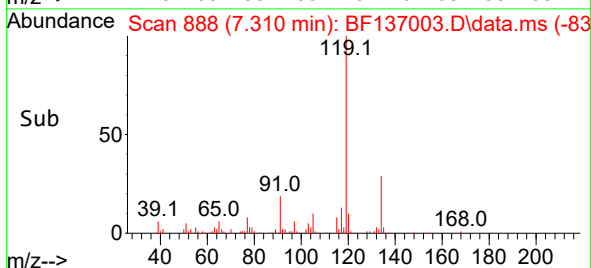
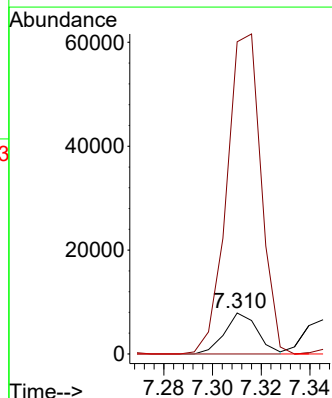
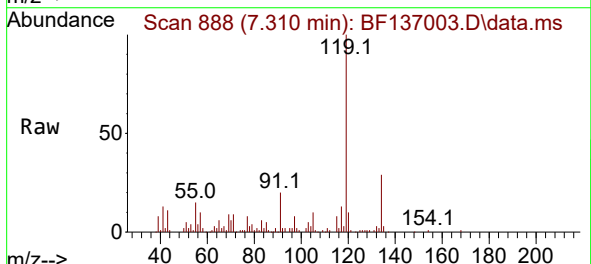
Instrument :
BNA_F
ClientSampleId :
340

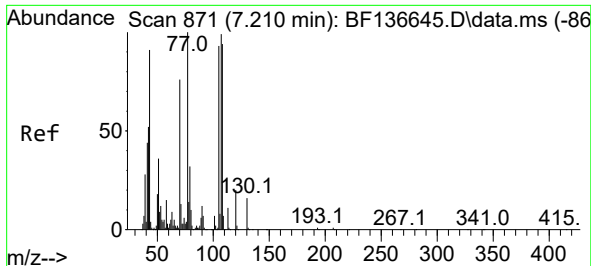
Tgt Ion: 99 Resp: 648360
Ion Ratio Lower Upper
99 100
42 18.6 16.1 24.1
71 32.4 27.4 41.2



#18
Hexachloroethane
Concen: 3.964 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.012 min
Lab File: BF137003.D
Acq: 08 Jan 2024 19:33

Tgt Ion: 117 Resp: 7371
Ion Ratio Lower Upper
117 100
119 763.0 75.8 113.6#
201 0.0 69.1 103.7#

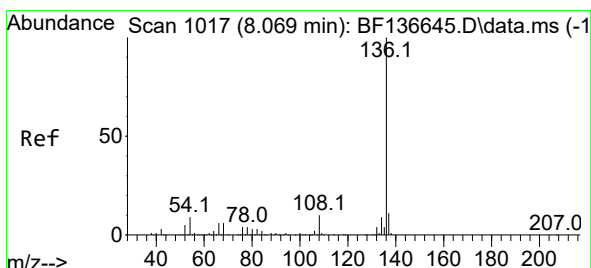
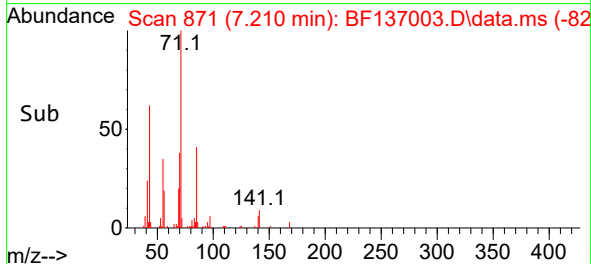
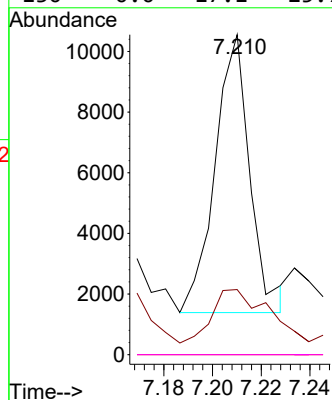
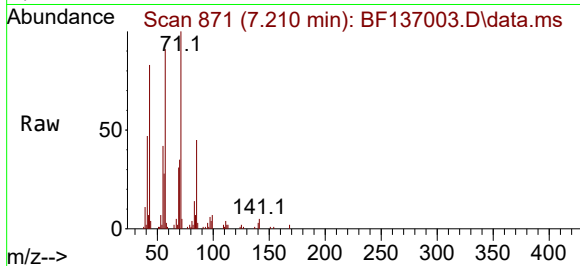




#19
n-Nitroso-di-n-propylamine
Concen: 2.766 ng
RT: 7.210 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF137003.D
Acq: 08 Jan 2024 19:33

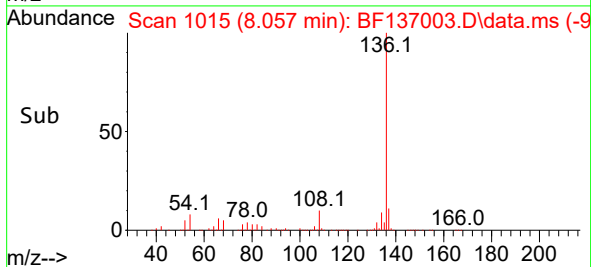
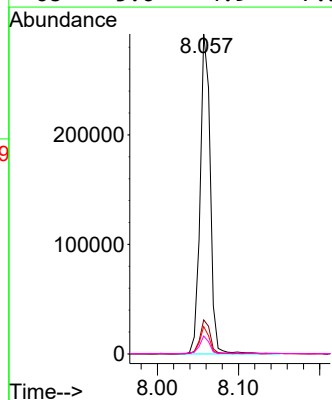
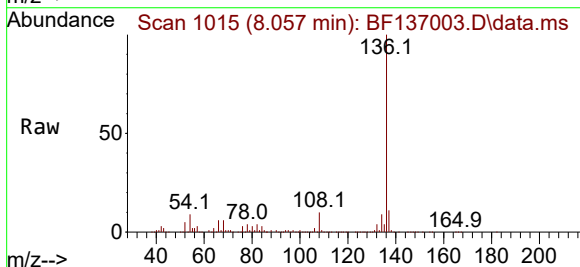
Instrument :
BNA_F
ClientSampleId :
340

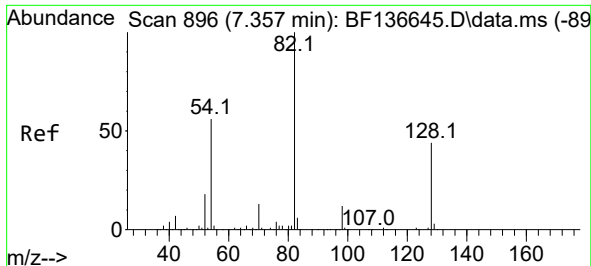
Tgt Ion:	70	Resp:	9120
Ion	Ratio	Lower	Upper
70	100		
42	20.4	54.2	81.4#
101	0.0	7.6	11.4#
130	0.0	17.1	25.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF137003.D
Acq: 08 Jan 2024 19:33

Tgt Ion:	136	Resp:	253925
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.0	13.4
54	8.6	7.2	10.8
68	5.6	4.9	7.3





#23

Nitrobenzene-d5

Concen: 84.093 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF137003.D

Acq: 08 Jan 2024 19:33

Instrument :

BNA_F

ClientSampleId :

340

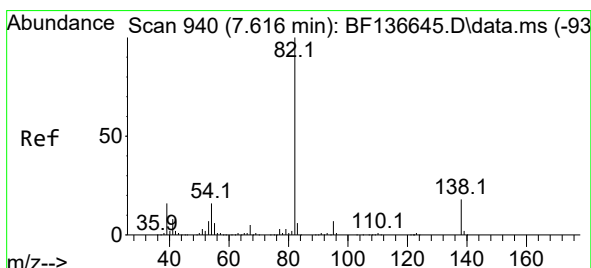
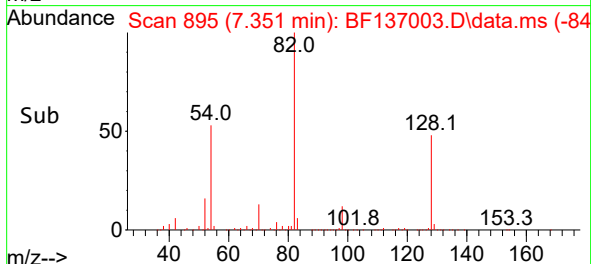
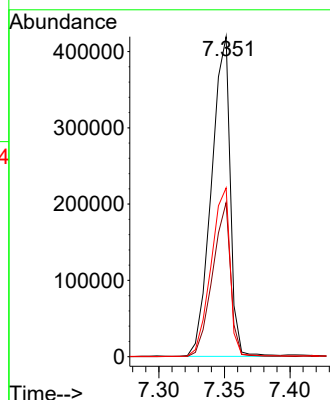
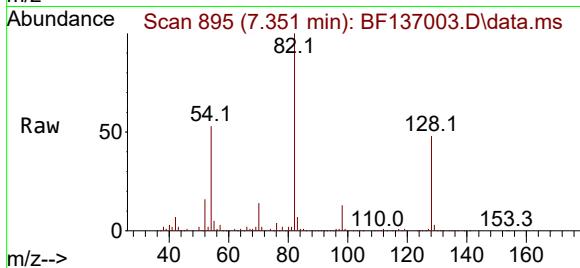
Tgt Ion: 82 Resp: 417291

Ion Ratio Lower Upper

82 100

128 48.1 35.3 52.9

54 52.8 44.5 66.7



#25

Isophorone

Concen: 46.215 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.264 min

Lab File: BF137003.D

Acq: 08 Jan 2024 19:33

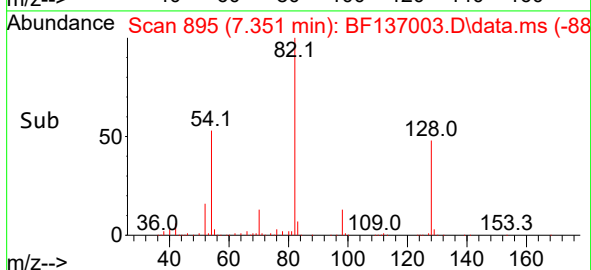
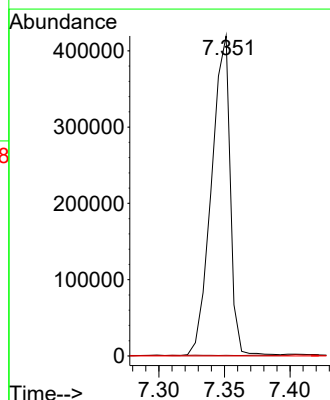
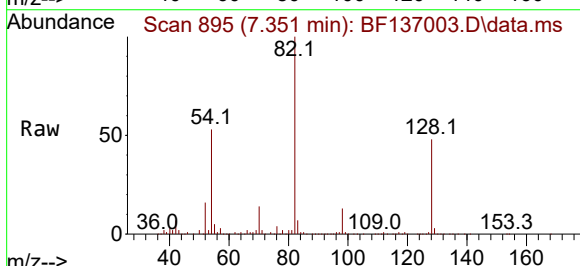
Tgt Ion: 82 Resp: 417291

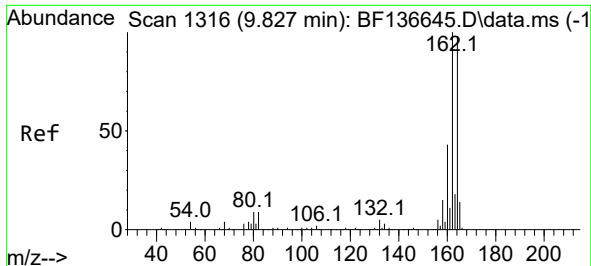
Ion Ratio Lower Upper

82 100

95 0.2 5.5 8.3#

138 0.0 14.5 21.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF137003.D

Acq: 08 Jan 2024 19:33

Instrument :

BNA_F

ClientSampleId :

340

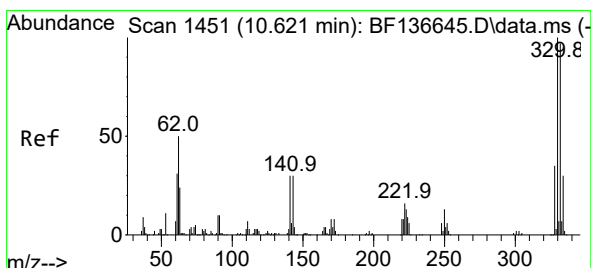
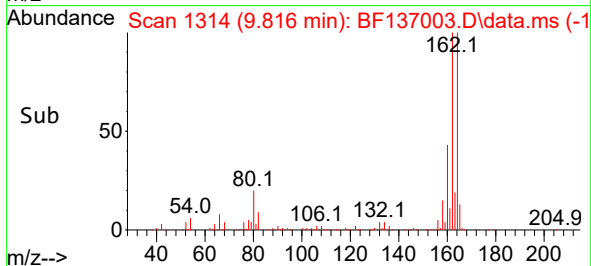
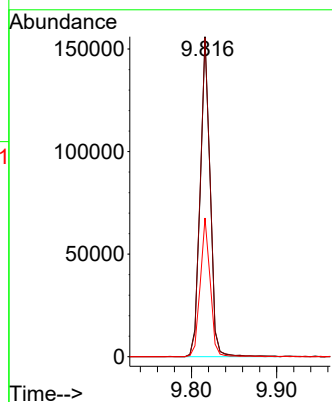
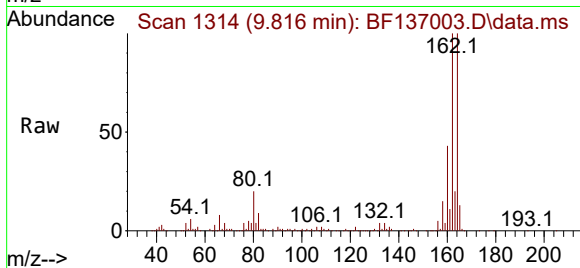
Tgt Ion:164 Resp: 126280

Ion Ratio Lower Upper

164 100

162 99.7 81.6 122.4

160 43.4 34.9 52.3



#42

2,4,6-Tribromophenol

Concen: 110.370 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.006 min

Lab File: BF137003.D

Acq: 08 Jan 2024 19:33

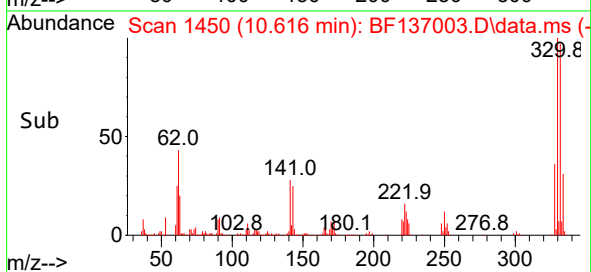
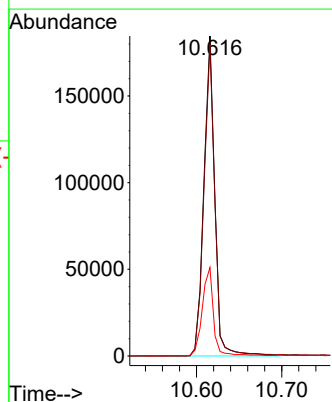
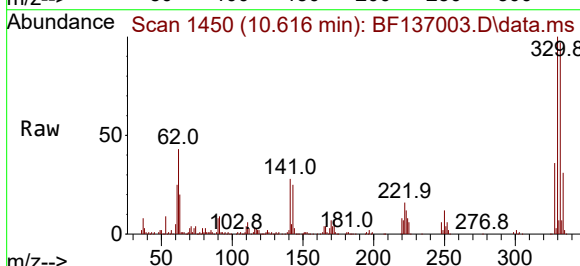
Tgt Ion:330 Resp: 164146

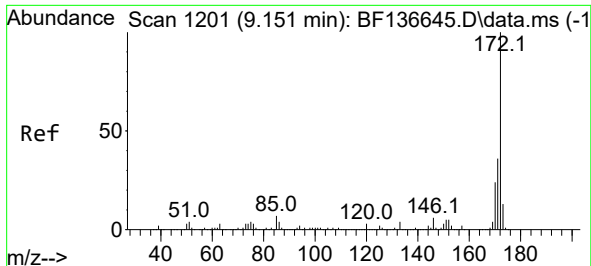
Ion Ratio Lower Upper

330 100

332 97.4 77.4 116.0

141 28.8 23.4 35.2

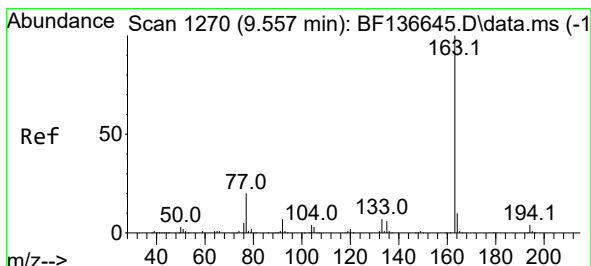
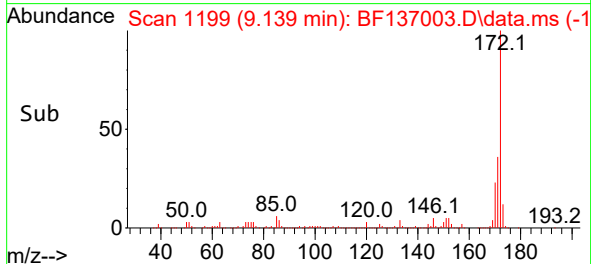
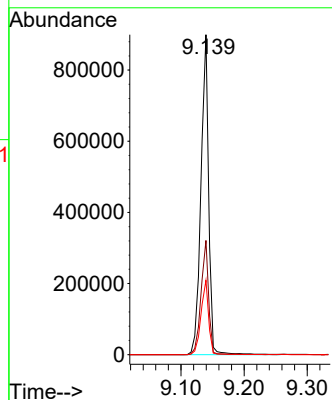
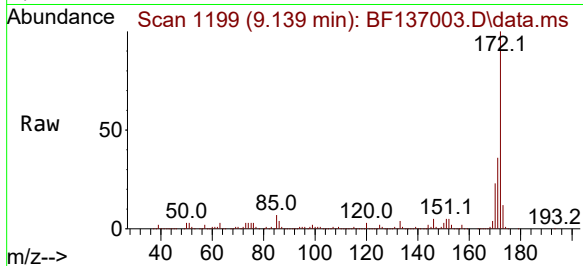




#45
2-Fluorobiphenyl
Concen: 80.994 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF137003.D
Acq: 08 Jan 2024 19:33

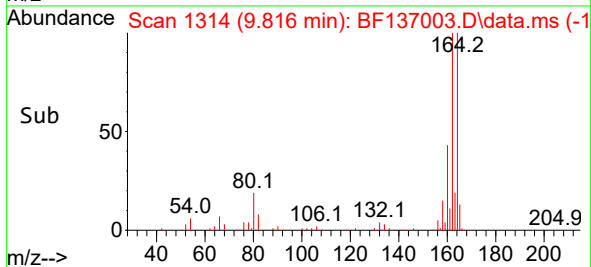
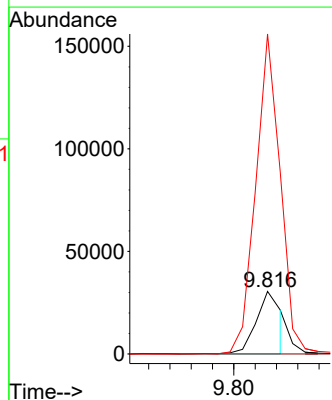
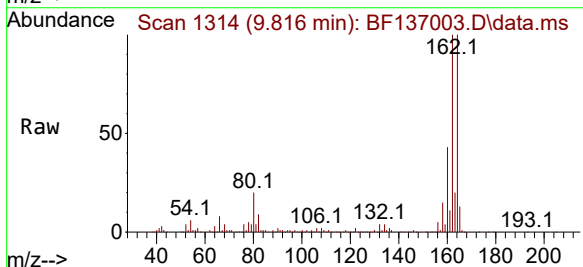
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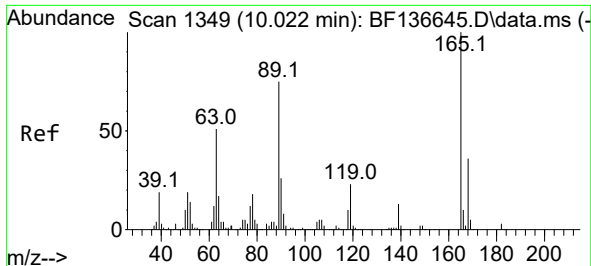
Tgt Ion:172 Resp: 760448
Ion Ratio Lower Upper
172 100
171 35.7 29.0 43.6
170 23.2 19.0 28.4



#50
Dimethylphthalate
Concen: 2.663 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF137003.D
Acq: 08 Jan 2024 19:33

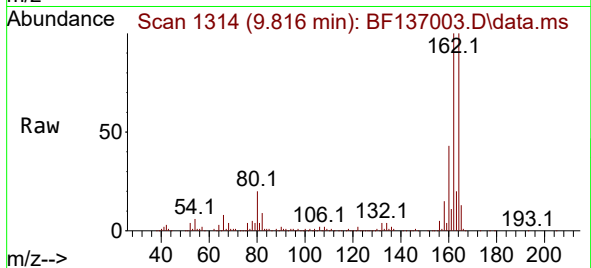
Tgt Ion:163 Resp: 24566
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 511.8 7.8 11.6#



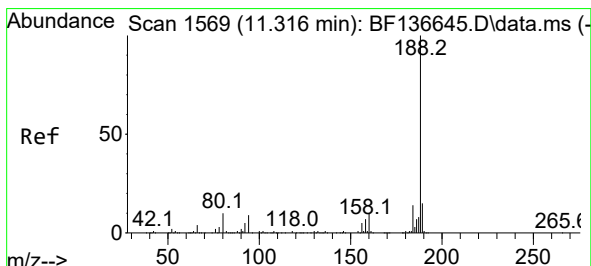
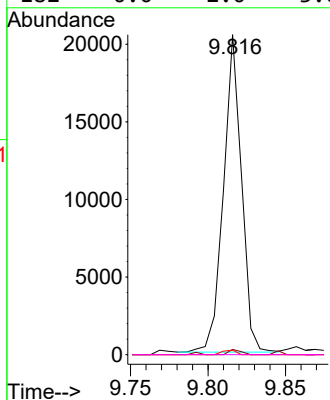
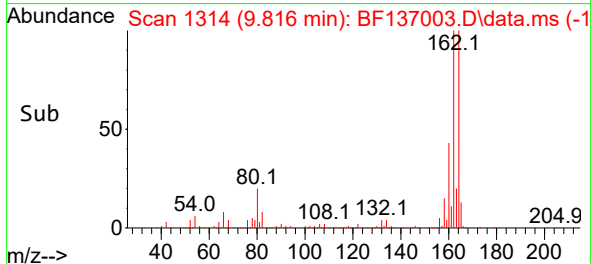


#57
2,4-Dinitrotoluene
Concen: 6.078 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF137003.D
Acq: 08 Jan 2024 19:33

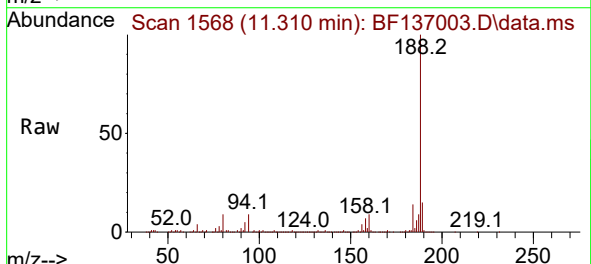
Instrument :
BNA_F
ClientSampleId :
340



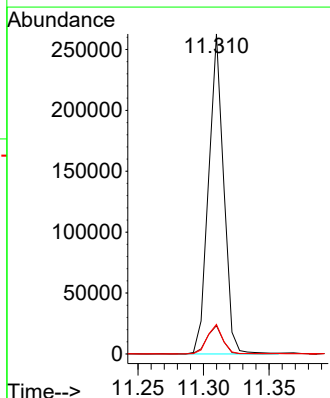
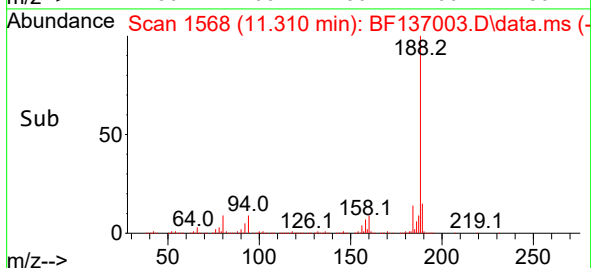
Tgt Ion:165 Resp: 16518
Ion Ratio Lower Upper
165 100
63 1.7 41.0 61.6#
89 1.4 59.9 89.9#
182 0.0 2.0 3.0#

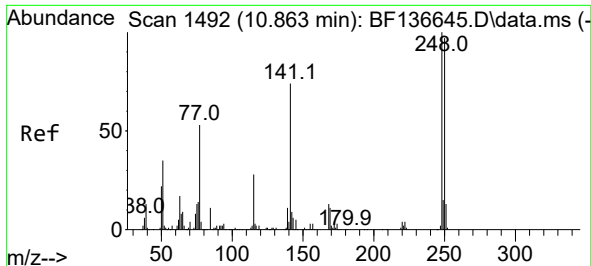


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF137003.D
Acq: 08 Jan 2024 19:33



Tgt Ion:188 Resp: 210918
Ion Ratio Lower Upper
188 100
94 8.9 7.5 11.3
80 9.3 8.1 12.1

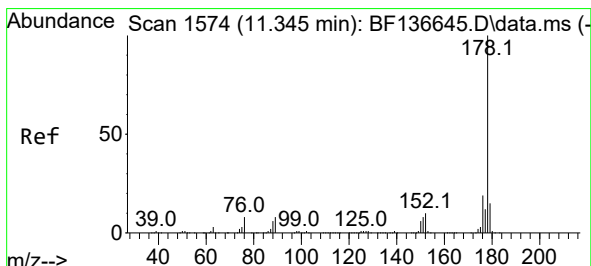
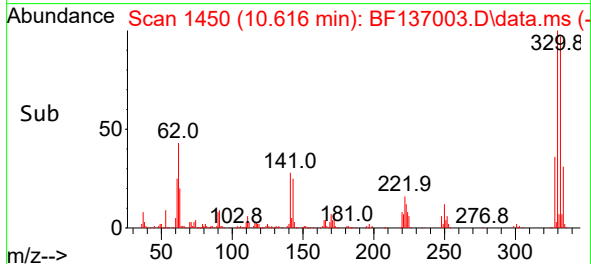
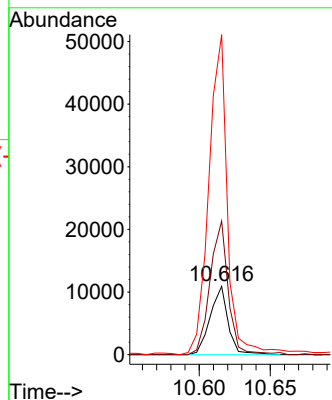
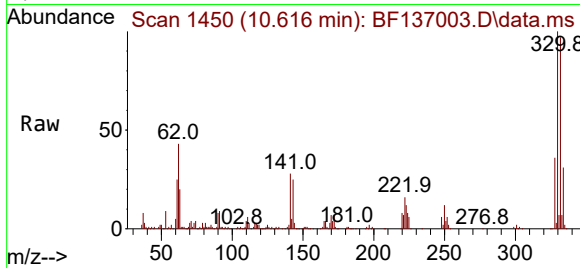




#67
4-Bromophenyl-phenylether
Concen: 4.111 ng
RT: 10.616 min Scan# 1492
Delta R.T. -0.247 min
Lab File: BF137003.D
Acq: 08 Jan 2024 19:33

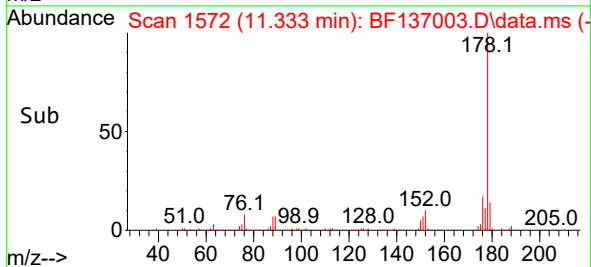
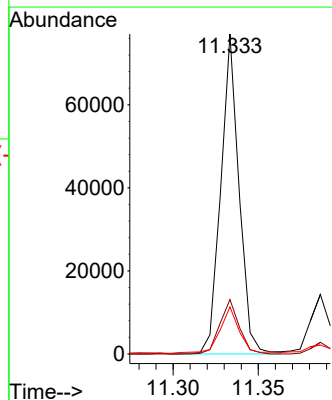
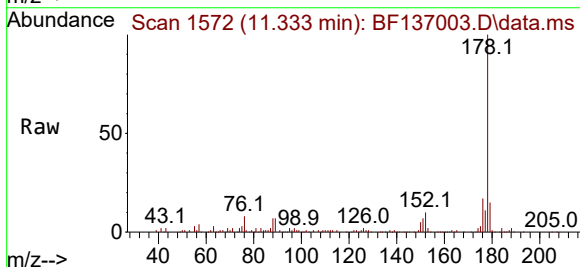
Instrument :
BNA_F
ClientSampleId :
340

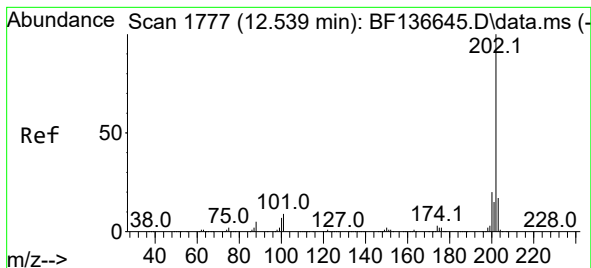
Tgt Ion:248 Resp: 9630
Ion Ratio Lower Upper
248 100
250 195.4 77.8 116.6#
141 467.9 59.2 88.8#



#71
Phenanthrene
Concen: 5.313 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF137003.D
Acq: 08 Jan 2024 19:33

Tgt Ion:178 Resp: 57500
Ion Ratio Lower Upper
178 100
176 17.0 15.3 22.9
179 14.7 11.9 17.9





#75

Fluoranthene

Concen: 9.498 ng

RT: 12.527 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF137003.D

Acq: 08 Jan 2024 19:33

Instrument :

BNA_F

ClientSampleId :

340

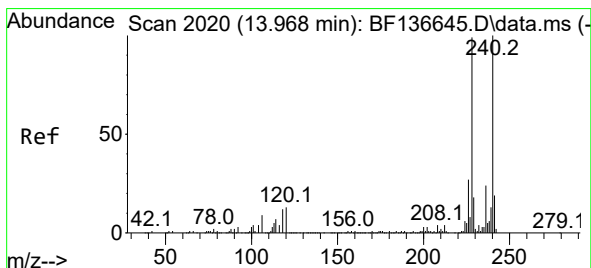
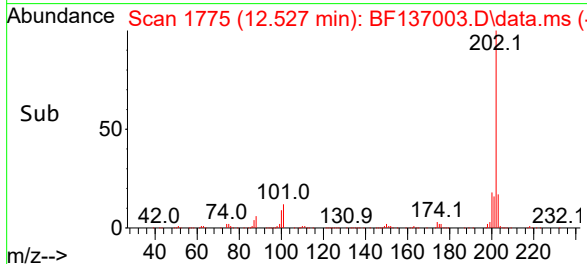
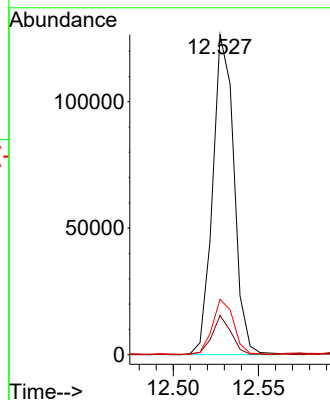
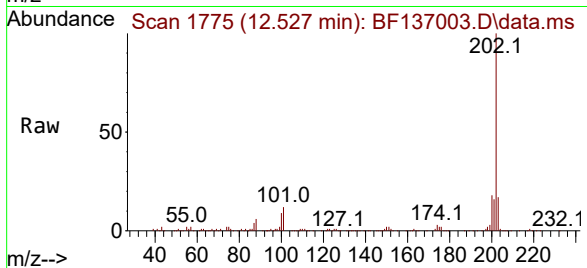
Tgt Ion:202 Resp: 109946

Ion Ratio Lower Upper

202 100

101 12.2 0.0 29.3

203 17.3 0.0 37.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.969 min Scan# 2020

Delta R.T. 0.000 min

Lab File: BF137003.D

Acq: 08 Jan 2024 19:33

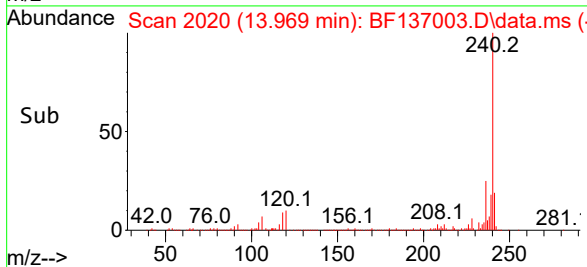
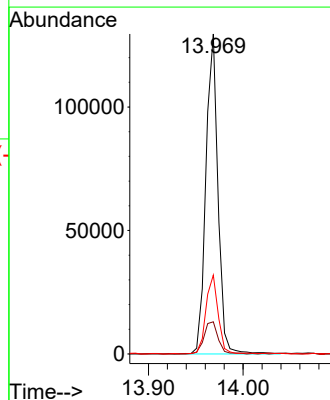
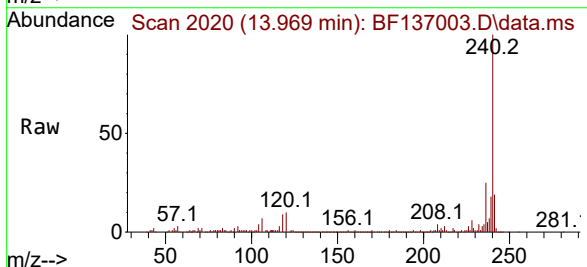
Tgt Ion:240 Resp: 115123

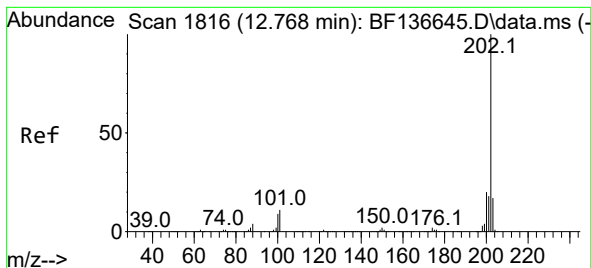
Ion Ratio Lower Upper

240 100

120 10.0 10.3 15.5#

236 24.6 19.4 29.2





#78

Pyrene

Concen: 8.184 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF137003.D

Acq: 08 Jan 2024 19:33

Instrument :

BNA_F

ClientSampleId :

340

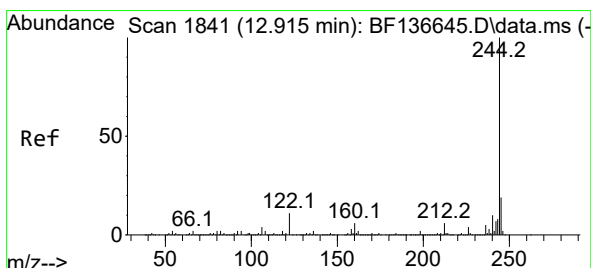
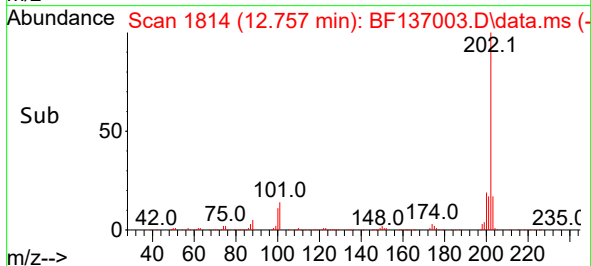
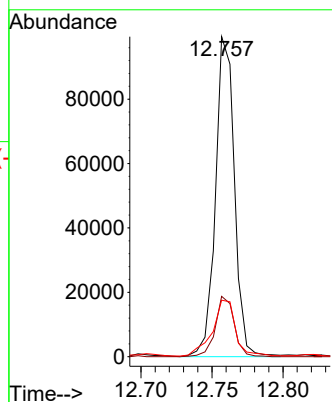
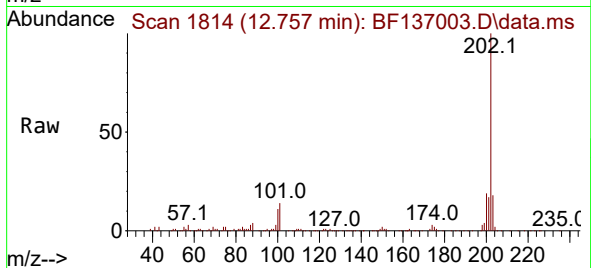
Tgt Ion:202 Resp: 92489

Ion Ratio Lower Upper

202 100

200 18.9 15.9 23.9

203 17.7 13.8 20.6



#79

Terphenyl-d14

Concen: 70.426 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.012 min

Lab File: BF137003.D

Acq: 08 Jan 2024 19:33

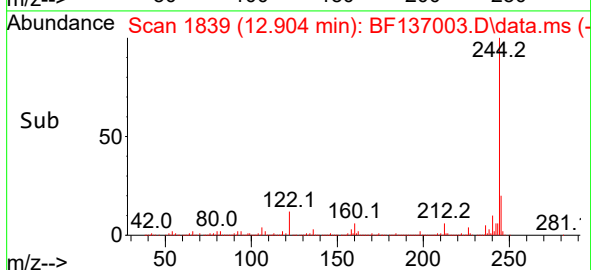
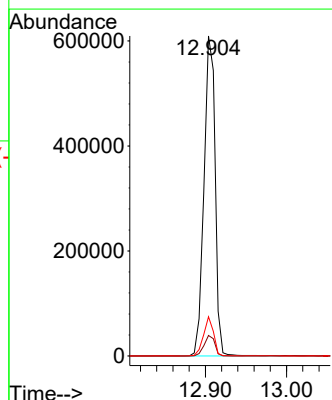
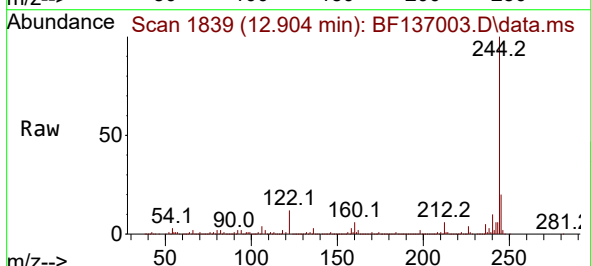
Tgt Ion:244 Resp: 580167

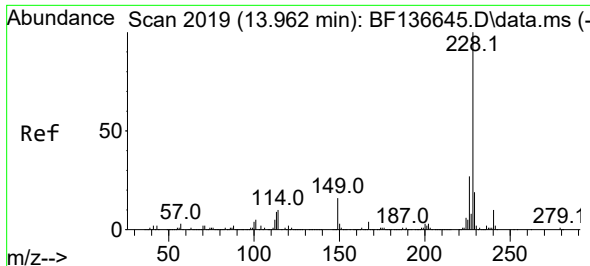
Ion Ratio Lower Upper

244 100

212 6.4 5.0 7.4

122 12.3 9.0 13.4

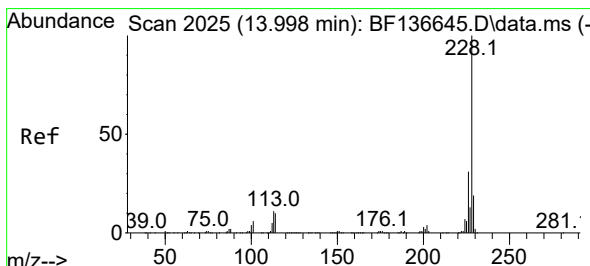
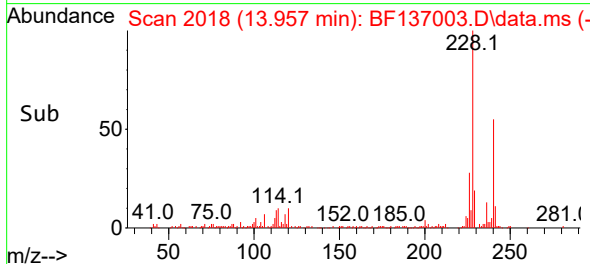
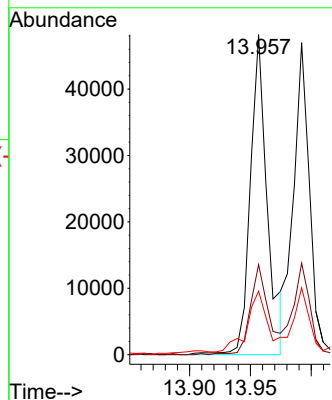
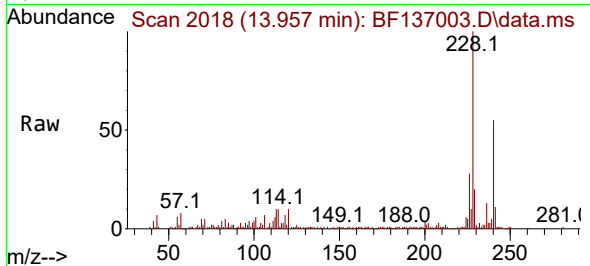




#81
Benzo(a)anthracene
Concen: 5.843 ng
RT: 13.957 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF137003.D
Acq: 08 Jan 2024 19:33

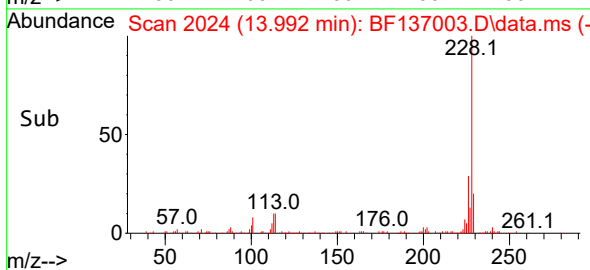
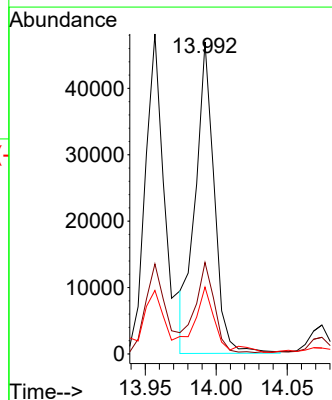
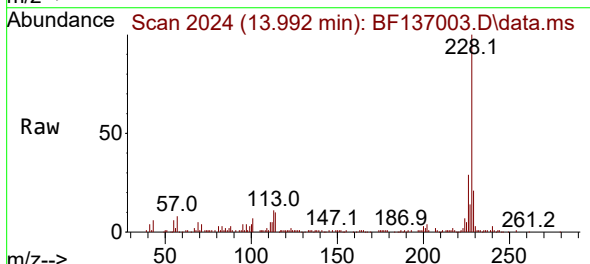
Instrument :
BNA_F
ClientSampleId :
340

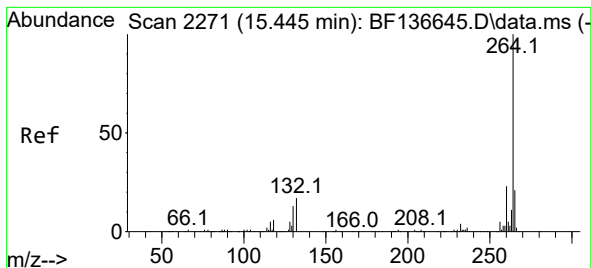
Tgt Ion:228 Resp: 46709
Ion Ratio Lower Upper
228 100
226 28.1 21.4 32.0
229 19.8 14.9 22.3



#83
Chrysene
Concen: 5.554 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF137003.D
Acq: 08 Jan 2024 19:33

Tgt Ion:228 Resp: 43419
Ion Ratio Lower Upper
228 100
226 29.3 24.7 37.1
229 21.4 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF137003.D

Acq: 08 Jan 2024 19:33

Instrument :

BNA_F

ClientSampleId :

340

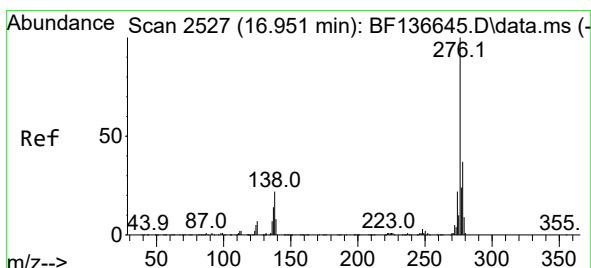
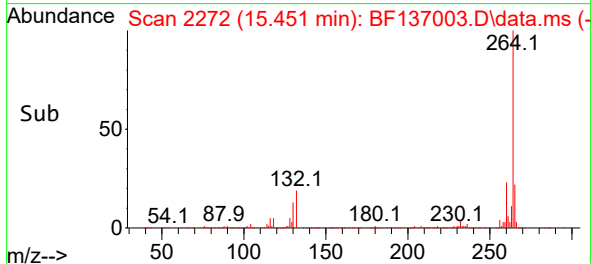
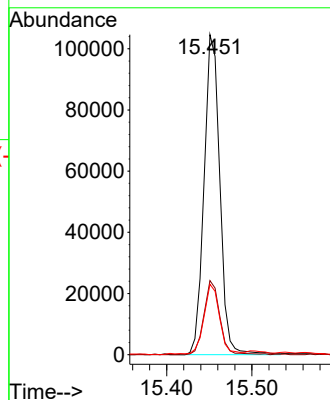
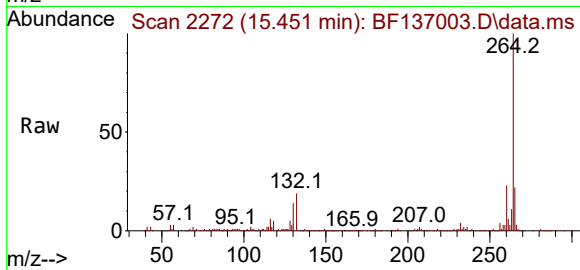
Tgt Ion:264 Resp: 134858

Ion Ratio Lower Upper

264 100

260 23.1 18.3 27.5

265 22.0 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.993 ng

RT: 16.968 min Scan# 2530

Delta R.T. 0.018 min

Lab File: BF137003.D

Acq: 08 Jan 2024 19:33

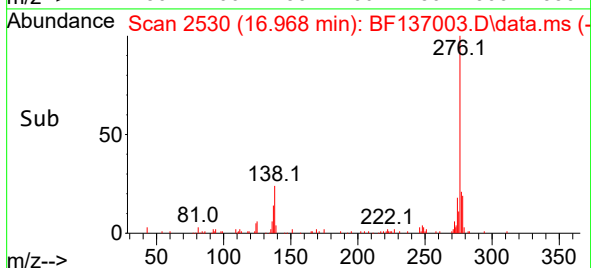
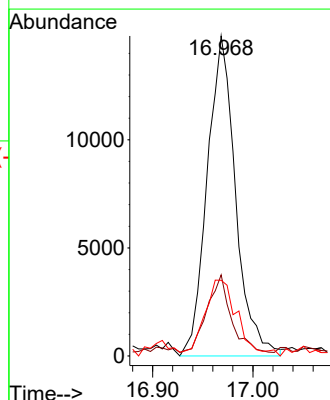
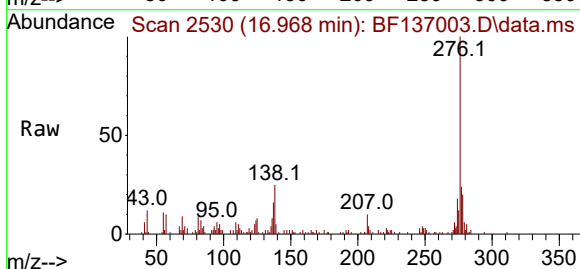
Tgt Ion:276 Resp: 29140

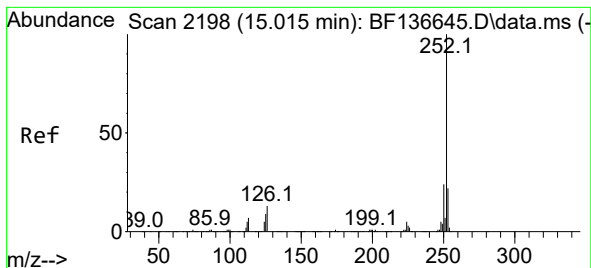
Ion Ratio Lower Upper

276 100

138 21.4 18.7 28.1

277 27.2 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 9.245 ng

RT: 15.015 min Scan# 2198

Delta R.T. 0.000 min

Lab File: BF137003.D

Acq: 08 Jan 2024 19:33

Instrument :

BNA_F

ClientSampleId :

340

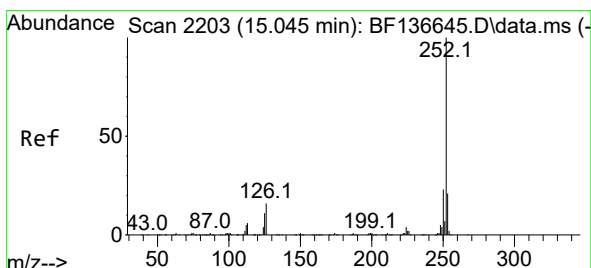
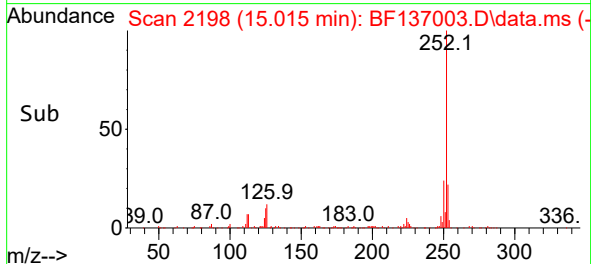
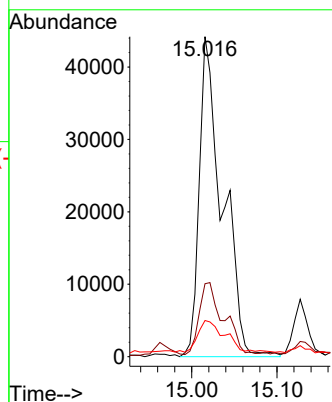
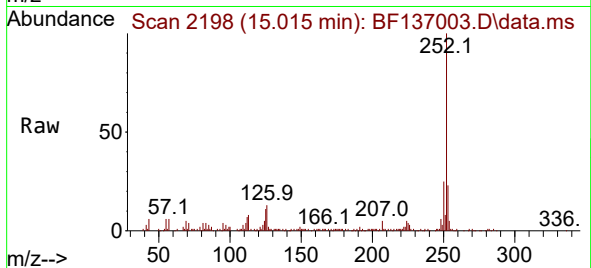
Tgt Ion:252 Resp: 83273

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.0

125 11.3 7.4 11.2#



#89

Benzo(k)fluoranthene

Concen: 9.784 ng

RT: 15.015 min Scan# 2198

Delta R.T. -0.029 min

Lab File: BF137003.D

Acq: 08 Jan 2024 19:33

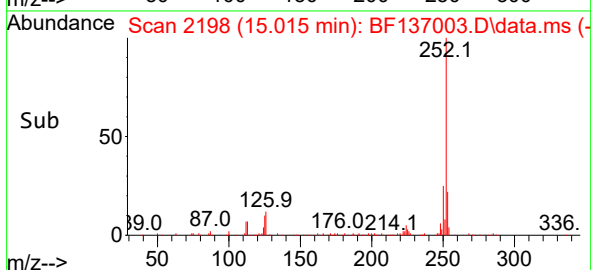
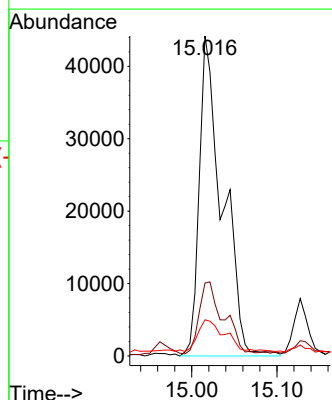
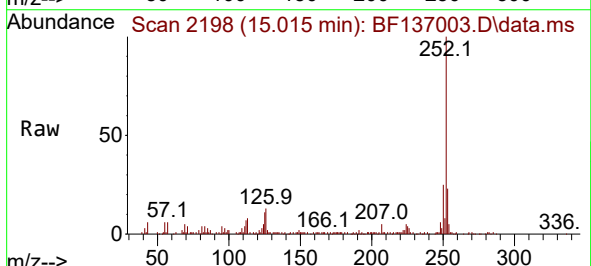
Tgt Ion:252 Resp: 83273

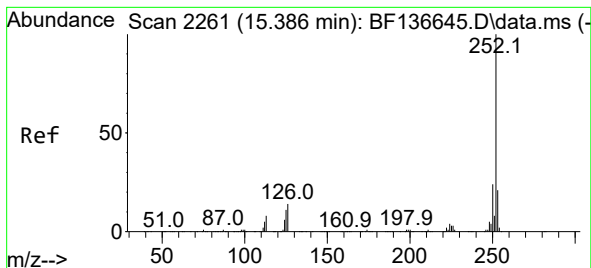
Ion Ratio Lower Upper

252 100

253 22.8 17.0 25.6

125 11.3 8.2 12.4





#90

Benzo(a)pyrene

Concen: 5.706 ng

RT: 15.386 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF137003.D

Acq: 08 Jan 2024 19:33

Instrument :

BNA_F

ClientSampleId :

340

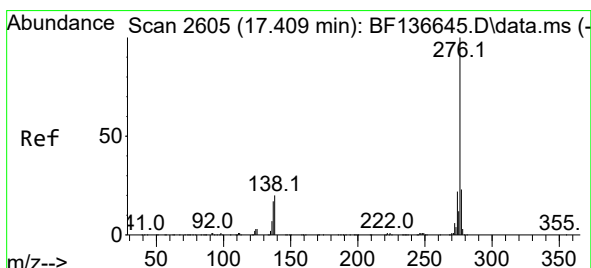
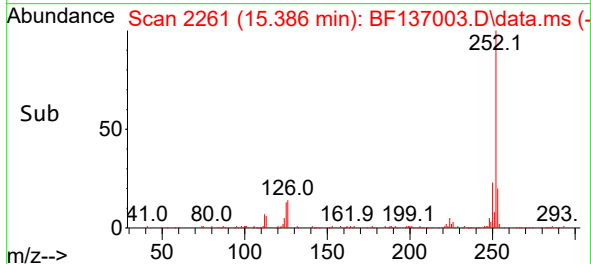
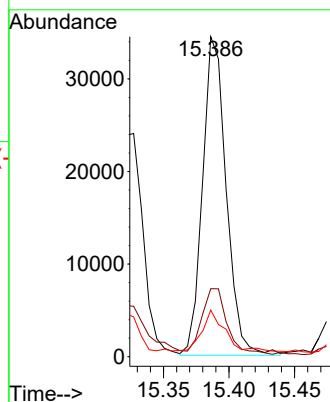
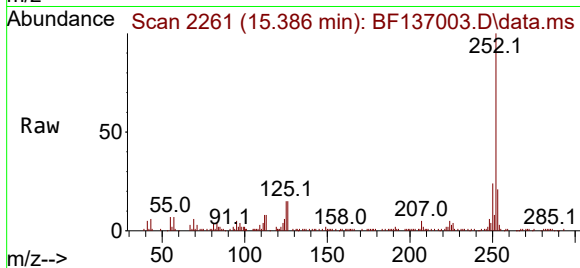
Tgt Ion:252 Resp: 43386

Ion Ratio Lower Upper

252 100

253 21.2 17.0 25.6

125 14.6 8.8 13.2#



#92

Benzo(g,h,i)perylene

Concen: 3.346 ng

RT: 17.427 min Scan# 2608

Delta R.T. 0.018 min

Lab File: BF137003.D

Acq: 08 Jan 2024 19:33

Tgt Ion:276 Resp: 27377

Ion Ratio Lower Upper

276 100

277 26.0 18.3 27.5

138 22.7 15.6 23.4

