

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011224\
 Data File : BF137056.D
 Acq On : 12 Jan 2024 18:54
 Operator : CG\JU
 Sample : P1107-01 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-11124

Quant Time: Jan 12 22:14:31 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

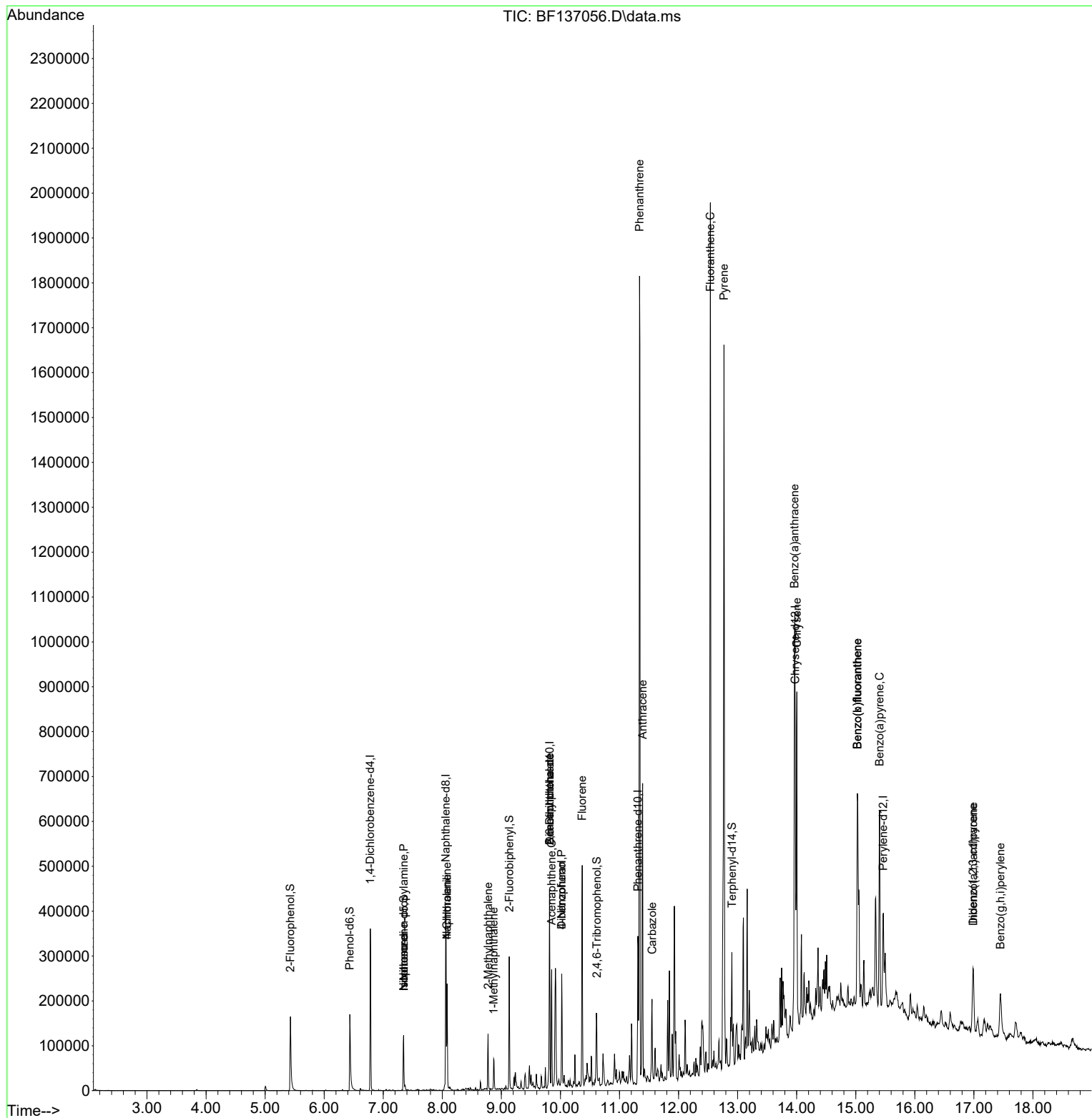
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	53954	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	187364	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	80922	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	134897	20.000	ng	0.00
76) Chrysene-d12	13.974	240	112408	20.000	ng	0.00
86) Perylene-d12	15.463	264	91901	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	57957	16.760	ng	0.00
7) Phenol-d6	6.434	99	71103	15.869	ng	0.00
23) Nitrobenzene-d5	7.345	82	40260	10.995	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	14474	15.187	ng	0.00
45) 2-Fluorobiphenyl	9.134	172	82045	13.637	ng	-0.02
79) Terphenyl-d14	12.904	244	75254	9.356	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	5467	2.013	ng	# 70
25) Isophorone	7.345	82	40259	6.043	ng	# 65
31) Naphthalene	8.081	128	87780	8.528	ng	98
33) 4-Chloroaniline	8.081	127	10721	2.821	ng	# 31
37) 2-Methylnaphthalene	8.775	142	32080	4.843	ng	96
38) 1-Methylnaphthalene	8.869	142	18831	2.897	ng	99
50) Dimethylphthalate	9.816	163	15536	2.628	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	11834	8.822	ng	# 31
52) Acenaphthene	9.851	154	52177	10.668	ng	99
55) Dibenzofuran	10.022	168	91513	12.343	ng	98
56) 4-Nitrophenol	10.022	139	31024	32.341	ng	# 9
58) Fluorene	10.369	166	131418	22.339	ng	100
71) Phenanthrene	11.339	178	731407	105.669	ng	99
72) Anthracene	11.392	178	257365	36.715	ng	99
73) Carbazole	11.551	167	70433	10.657	ng	99
75) Fluoranthene	12.539	202	846375	114.317	ng	97
78) Pyrene	12.769	202	665665	60.325	ng	100
81) Benzo(a)anthracene	13.963	228	364516	46.700	ng	97
83) Chrysene	14.004	228	298699	39.133	ng	95
87) Indeno(1,2,3-cd)pyrene	16.986	276	93191	14.045	ng	96
88) Benzo(b)fluoranthene	15.027	252	383067	62.408	ng	# 96
89) Benzo(k)fluoranthene	15.027	252	383067	66.046	ng	96
90) Benzo(a)pyrene	15.404	252	192235	37.102	ng	95
91) Dibenzo(a,h)anthracene	16.992	278	25269	4.642	ng	# 87
92) Benzo(g,h,i)perylene	17.451	276	81544	14.625	ng	97

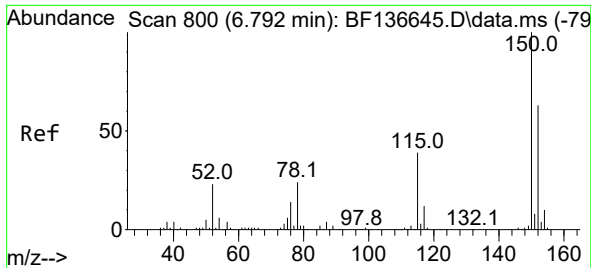
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 21 01:54:25 2023
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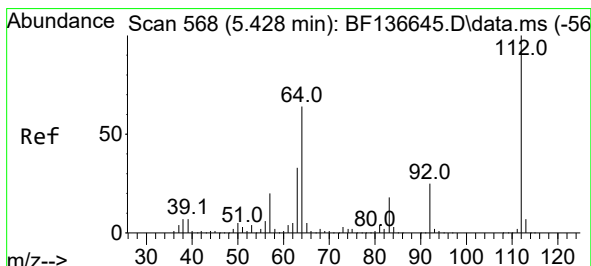
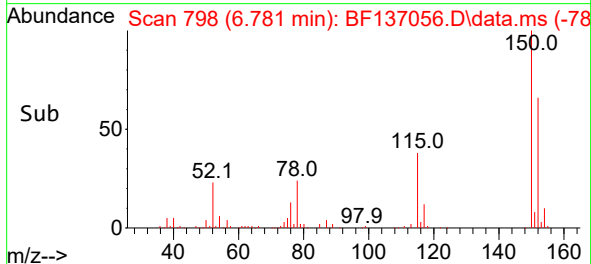
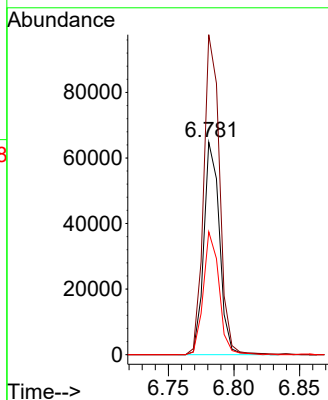
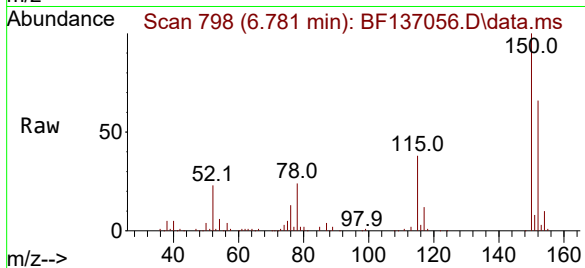




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF137056.D
Acq: 12 Jan 2024 18:54

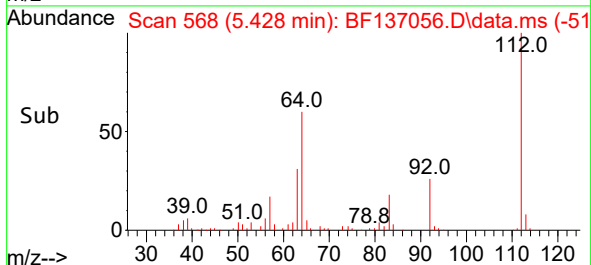
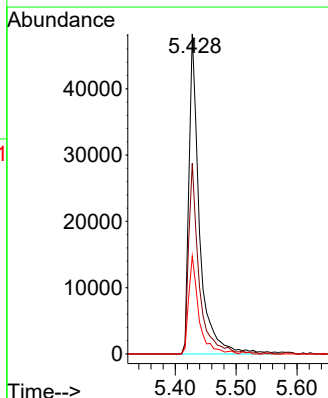
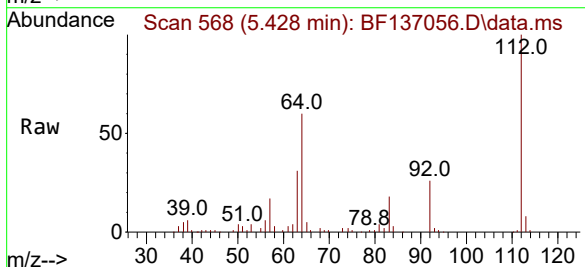
Instrument :
BNA_F
ClientSampleId :
OK-01-11124

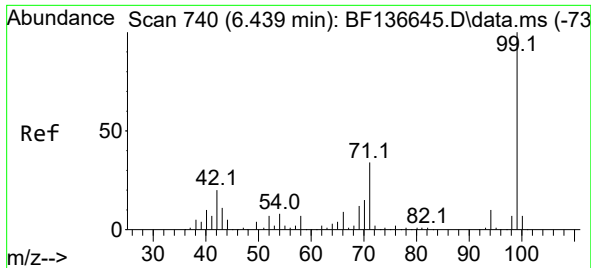
Tgt Ion:152 Resp: 53954
Ion Ratio Lower Upper
152 100
150 150.5 127.0 190.6
115 57.8 49.0 73.4



#5
2-Fluorophenol
Concen: 16.760 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF137056.D
Acq: 12 Jan 2024 18:54

Tgt Ion:112 Resp: 57957
Ion Ratio Lower Upper
112 100
64 59.6 51.1 76.7
63 30.6 26.1 39.1

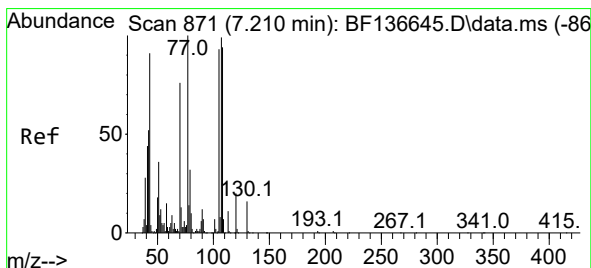
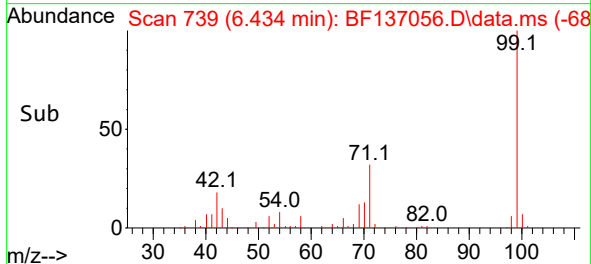
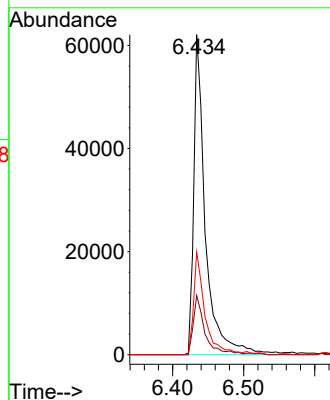
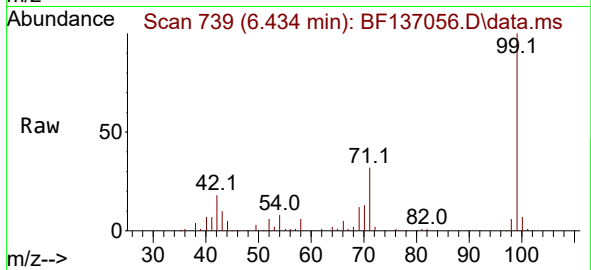




#7
Phenol-d6
Concen: 15.869 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137056.D
Acq: 12 Jan 2024 18:54

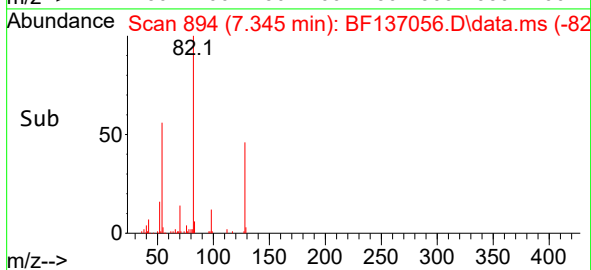
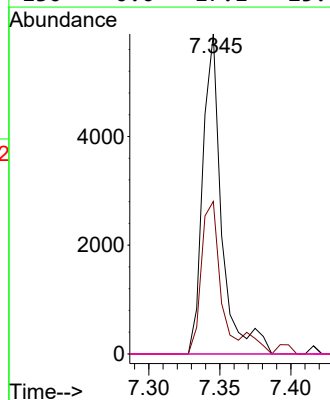
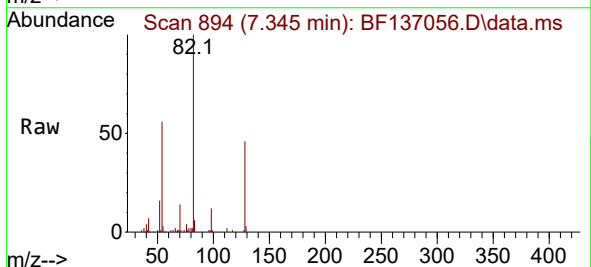
Instrument :
BNA_F
ClientSampleId :
OK-01-11124

Tgt Ion: 99 Resp: 71103
Ion Ratio Lower Upper
99 100
42 18.5 16.1 24.1
71 32.1 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 2.013 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF137056.D
Acq: 12 Jan 2024 18:54

Tgt Ion: 70 Resp: 5467
Ion Ratio Lower Upper
70 100
42 47.6 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# 1

Delta R.T. -0.012 min

Lab File: BF137056.D

Acq: 12 Jan 2024 18:54

Instrument :

BNA_F

ClientSampleId :

OK-01-11124

Tgt Ion:136 Resp: 187364

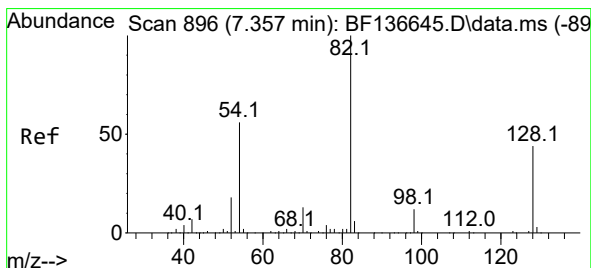
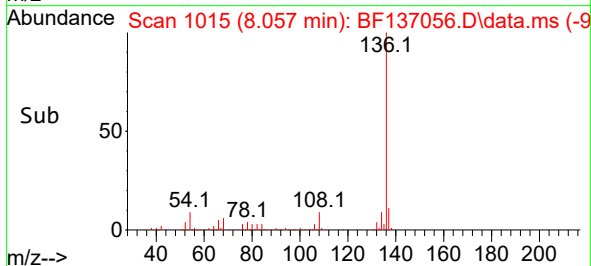
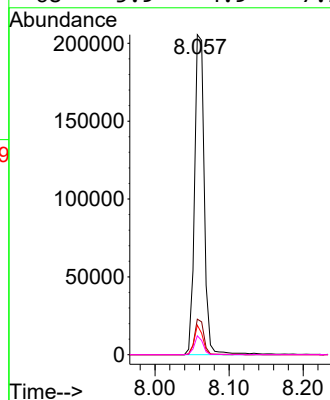
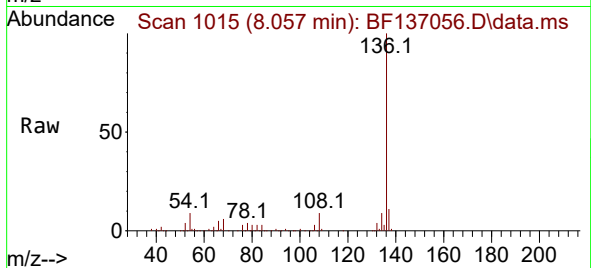
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 9.2 7.2 10.8

68 5.9 4.9 7.3



#23

Nitrobenzene-d5

Concen: 10.995 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF137056.D

Acq: 12 Jan 2024 18:54

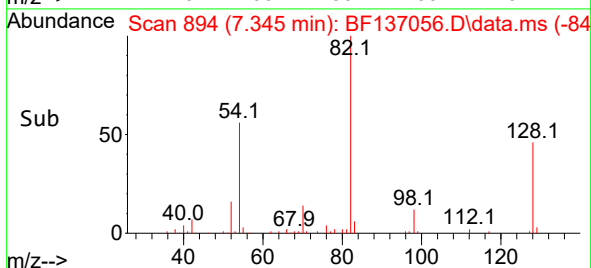
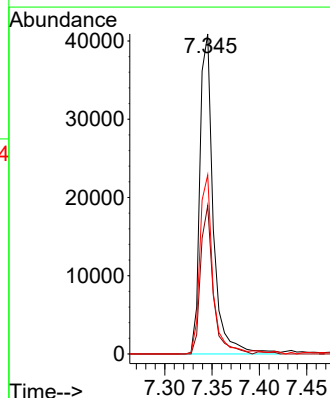
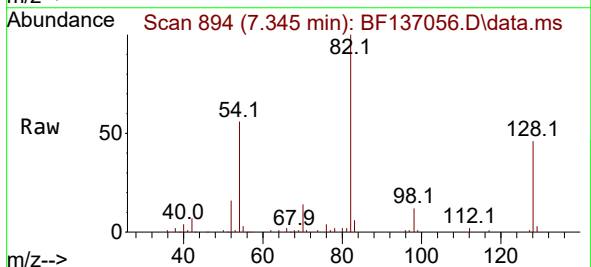
Tgt Ion: 82 Resp: 40260

Ion Ratio Lower Upper

82 100

128 46.3 35.3 52.9

54 56.0 44.5 66.7

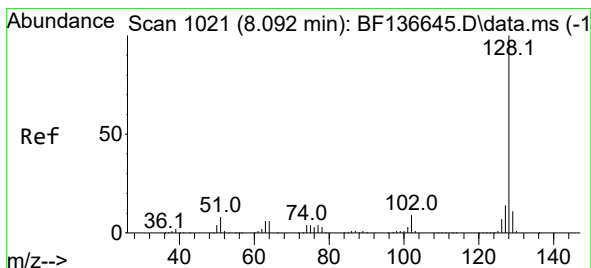
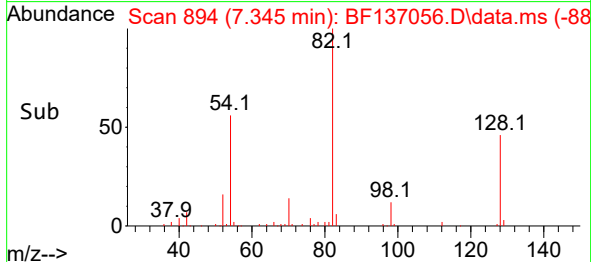
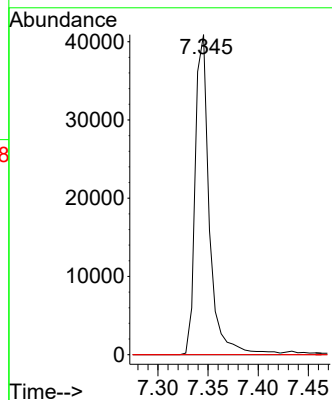
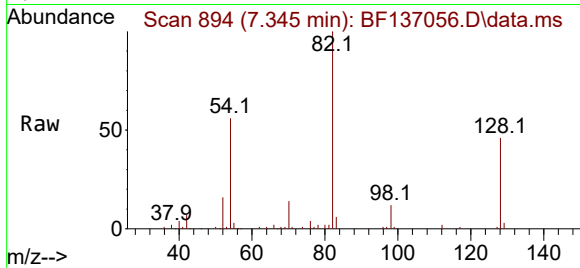




#25
Isophorone
Concen: 6.043 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.270 min
Lab File: BF137056.D
Acq: 12 Jan 2024 18:54

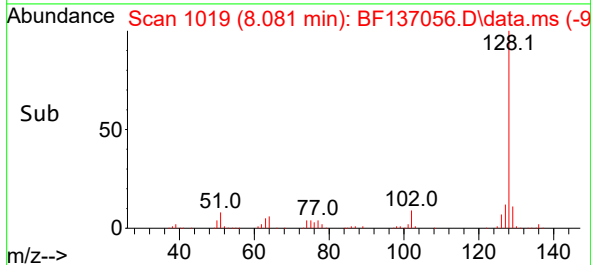
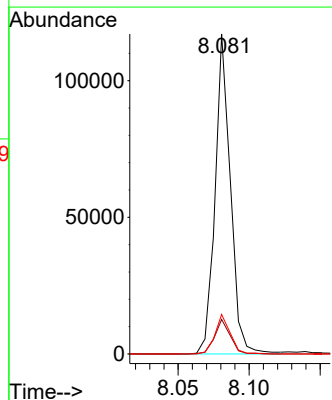
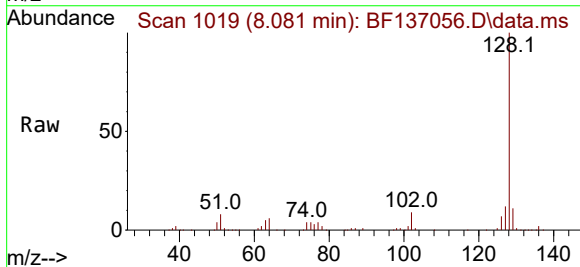
Instrument :
BNA_F
ClientSampleId :
OK-01-11124

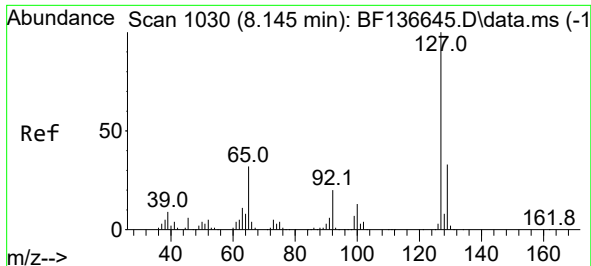
Tgt Ion: 82 Resp: 40259
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.5 21.7#



#31
Naphthalene
Concen: 8.528 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.012 min
Lab File: BF137056.D
Acq: 12 Jan 2024 18:54

Tgt Ion: 128 Resp: 87780
Ion Ratio Lower Upper
128 100
129 10.8 8.7 13.1
127 12.4 10.8 16.2

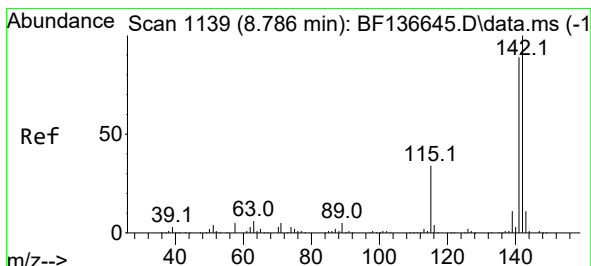
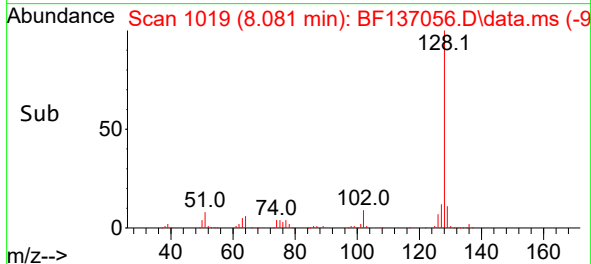
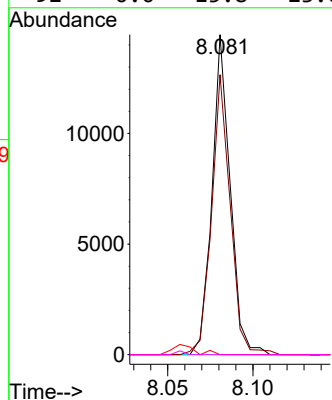
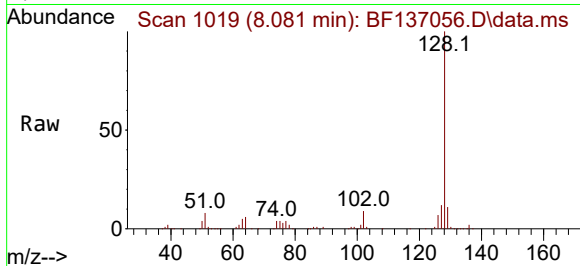




#33
4-Chloroaniline
Concen: 2.821 ng
RT: 8.081 min Scan# 1030
Delta R.T. -0.065 min
Lab File: BF137056.D
Acq: 12 Jan 2024 18:54

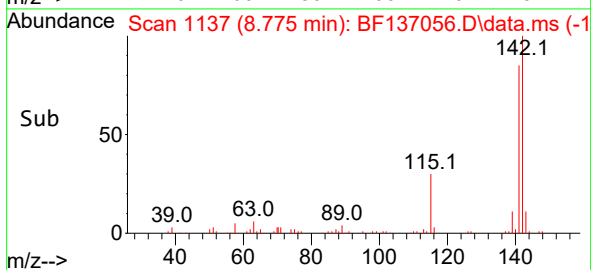
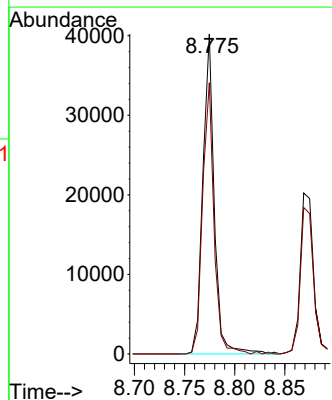
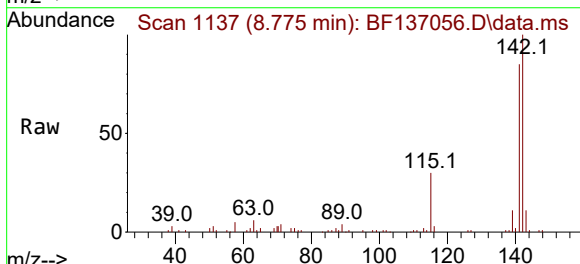
Instrument :
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ClientSampleId :
OK-01-11124

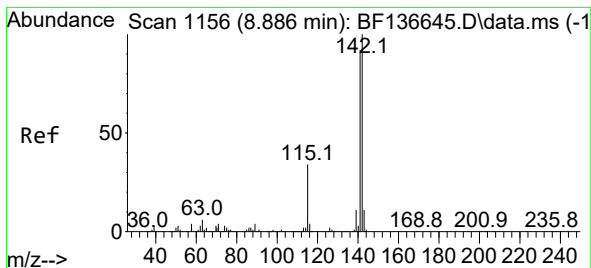
Tgt Ion:127	Resp:	10721
Ion Ratio	Lower	Upper
127	100	
129	87.5	26.3 39.5#
65	0.0	25.8 38.8#
92	0.0	15.8 23.6#



#37
2-Methylnaphthalene
Concen: 4.843 ng
RT: 8.775 min Scan# 1137
Delta R.T. -0.012 min
Lab File: BF137056.D
Acq: 12 Jan 2024 18:54

Tgt Ion:142	Resp:	32080
Ion Ratio	Lower	Upper
142	100	
141	84.8	71.1 106.7





#38

1-Methylnaphthalene

Concen: 2.897 ng

RT: 8.869 min Scan# 1153

Delta R.T. -0.017 min

Lab File: BF137056.D

Acq: 12 Jan 2024 18:54

Instrument :

BNA_F

ClientSampleId :

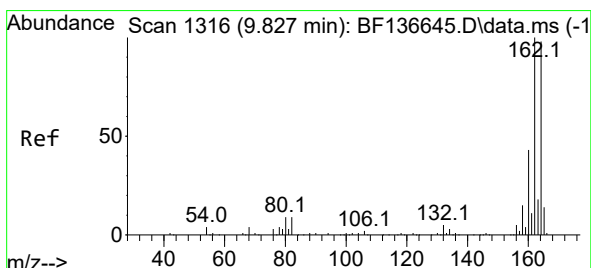
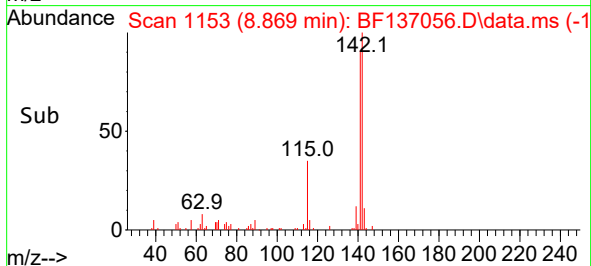
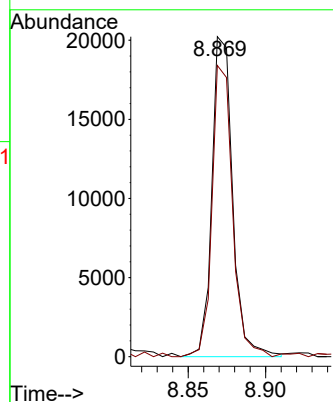
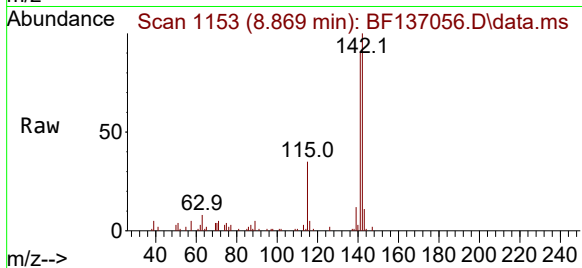
OK-01-11124

Tgt Ion:142 Resp: 18831

Ion Ratio Lower Upper

142 100

141 91.0 73.6 110.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 1314

Delta R.T. -0.012 min

Lab File: BF137056.D

Acq: 12 Jan 2024 18:54

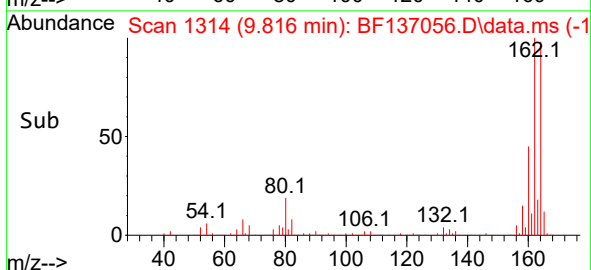
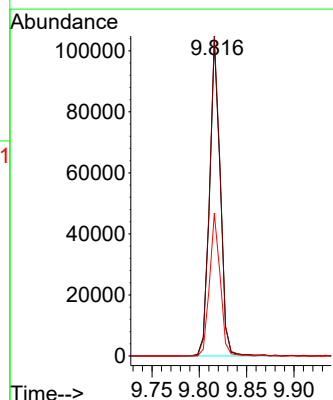
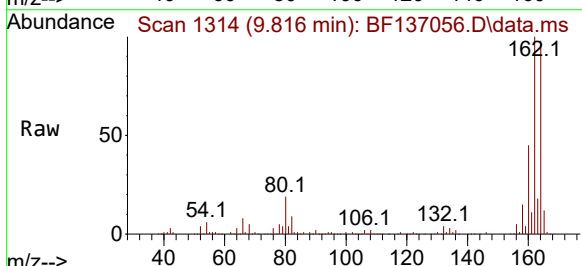
Tgt Ion:164 Resp: 80922

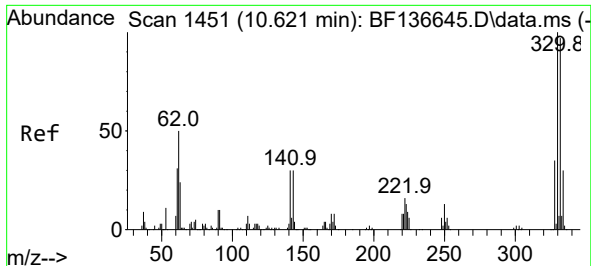
Ion Ratio Lower Upper

164 100

162 101.8 81.6 122.4

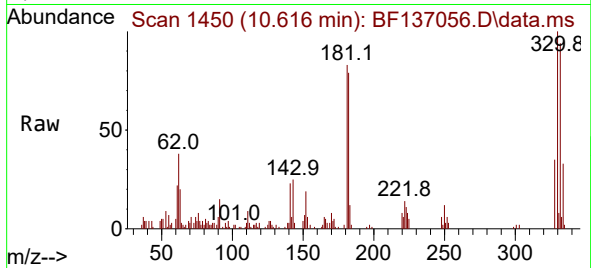
160 45.4 34.9 52.3



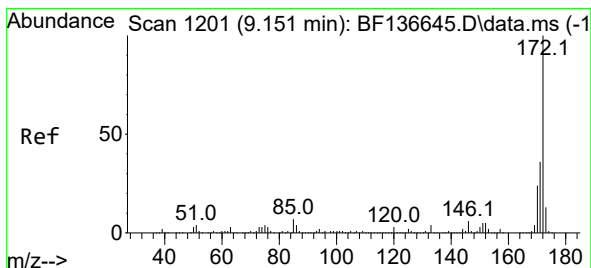
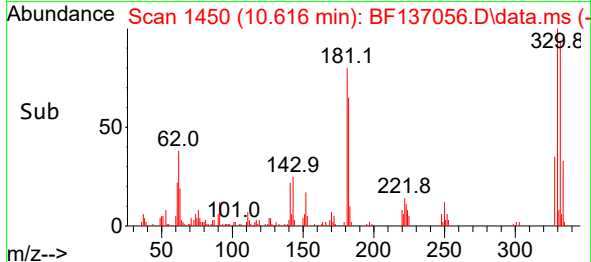
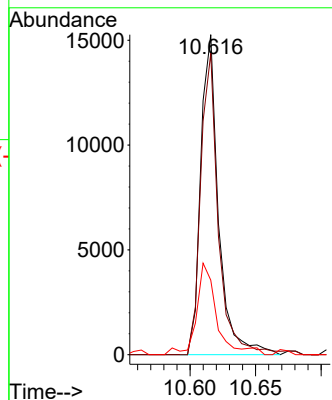


#42
2,4,6-Tribromophenol
Concen: 15.187 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF137056.D
Acq: 12 Jan 2024 18:54

Instrument :
BNA_F
ClientSampleId :
OK-01-11124

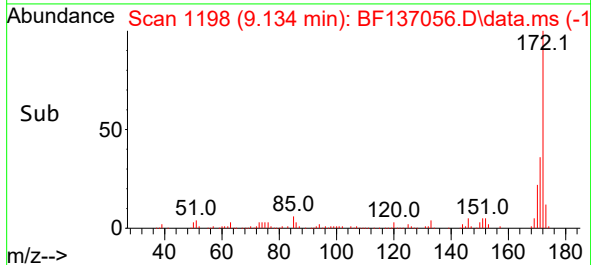
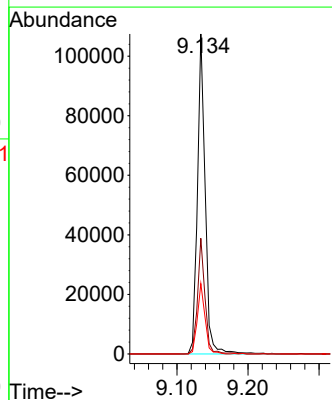
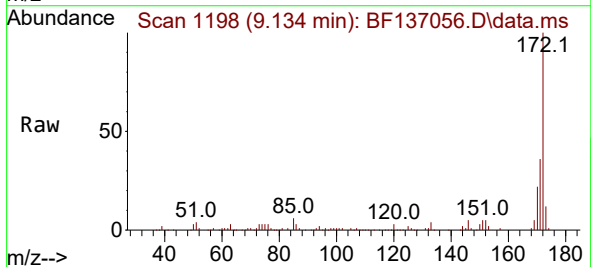


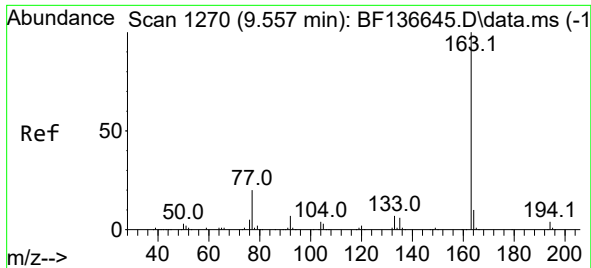
Tgt Ion: 330 Resp: 14474
Ion Ratio Lower Upper
330 100
332 93.9 77.4 116.0
141 32.1 23.4 35.2



#45
2-Fluorobiphenyl
Concen: 13.637 ng
RT: 9.134 min Scan# 1198
Delta R.T. -0.017 min
Lab File: BF137056.D
Acq: 12 Jan 2024 18:54

Tgt Ion: 172 Resp: 82045
Ion Ratio Lower Upper
172 100
171 36.2 29.0 43.6
170 22.0 19.0 28.4

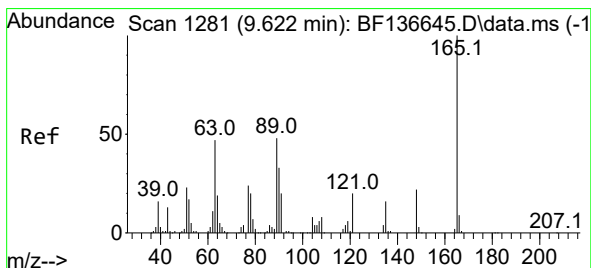
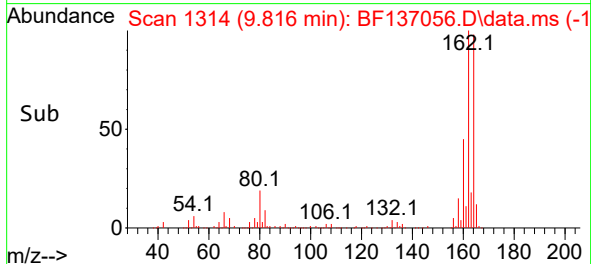
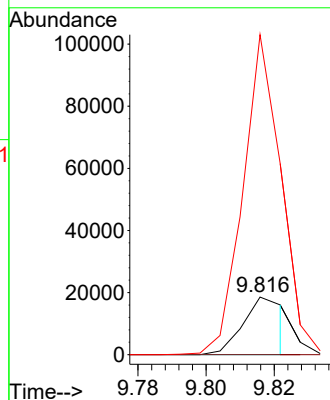
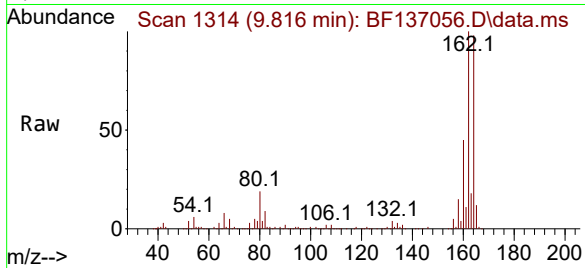




#50
Dimethylphthalate
Concen: 2.628 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF137056.D
Acq: 12 Jan 2024 18:54

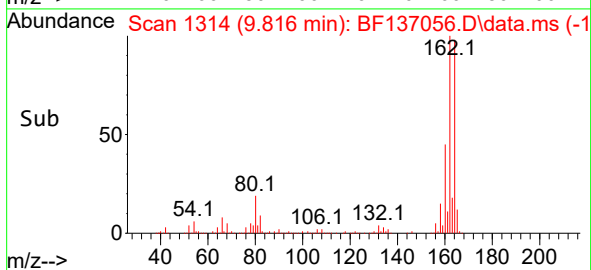
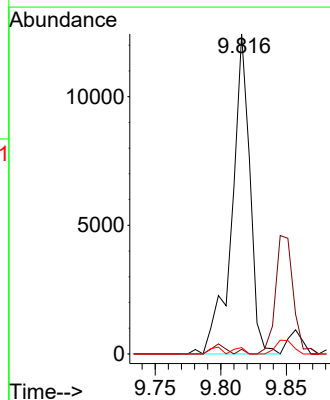
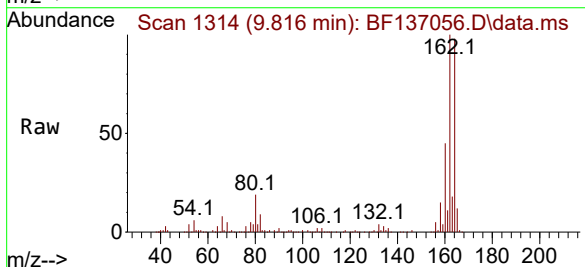
Instrument :
BNA_F
ClientSampleId :
OK-01-11124

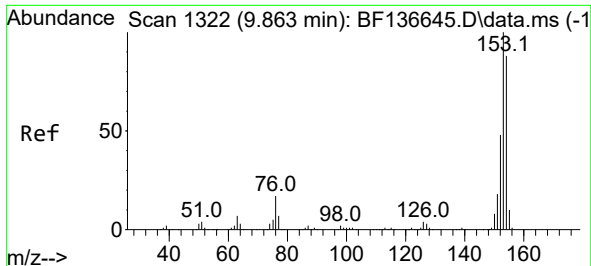
Tgt Ion:163 Resp: 15536
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 556.2 7.8 11.6#



#51
2,6-Dinitrotoluene
Concen: 8.822 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.194 min
Lab File: BF137056.D
Acq: 12 Jan 2024 18:54

Tgt Ion:165 Resp: 11834
Ion Ratio Lower Upper
165 100
63 1.5 39.8 59.6#
89 2.0 38.8 58.2#

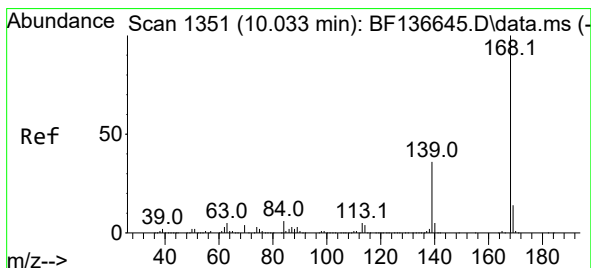
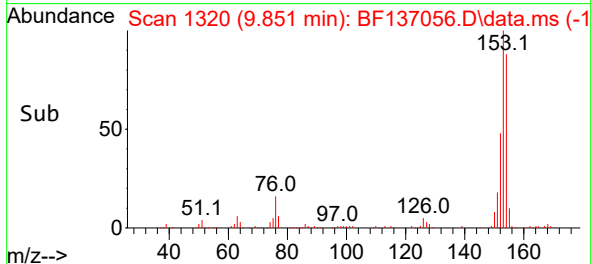
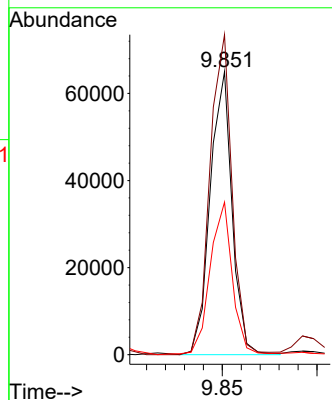
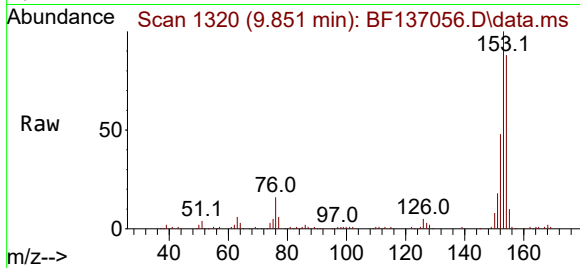




#52
Acenaphthene
Concen: 10.668 ng
RT: 9.851 min Scan# 1320
Delta R.T. -0.012 min
Lab File: BF137056.D
Acq: 12 Jan 2024 18:54

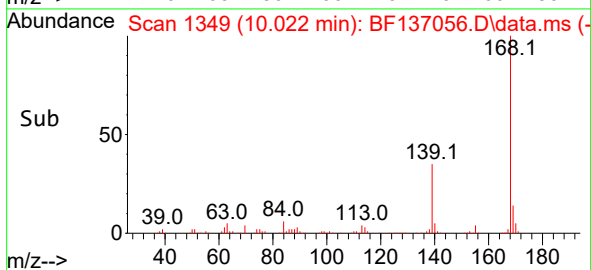
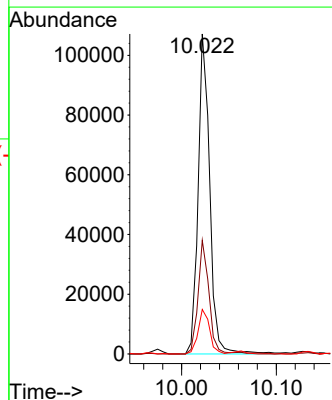
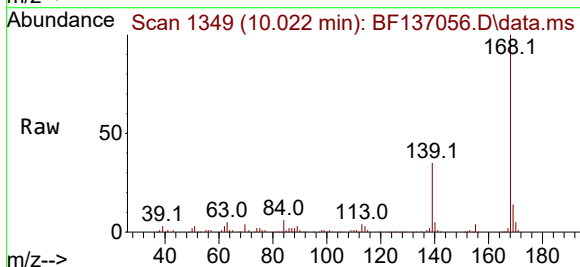
Instrument :
BNA_F
ClientSampleId :
OK-01-11124

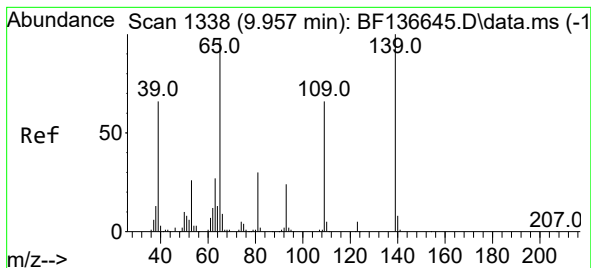
Tgt Ion:154 Resp: 52177
Ion Ratio Lower Upper
154 100
153 113.1 90.7 136.1
152 53.9 43.7 65.5



#55
Dibenzofuran
Concen: 12.343 ng
RT: 10.022 min Scan# 1349
Delta R.T. -0.012 min
Lab File: BF137056.D
Acq: 12 Jan 2024 18:54

Tgt Ion:168 Resp: 91513
Ion Ratio Lower Upper
168 100
139 35.5 29.3 43.9
169 13.9 11.0 16.4





#56

4-Nitrophenol

Concen: 32.341 ng

RT: 10.022 min Scan# 11

Delta R.T. 0.065 min

Lab File: BF137056.D

Acq: 12 Jan 2024 18:54

Instrument :

BNA_F

ClientSampleId :

OK-01-11124

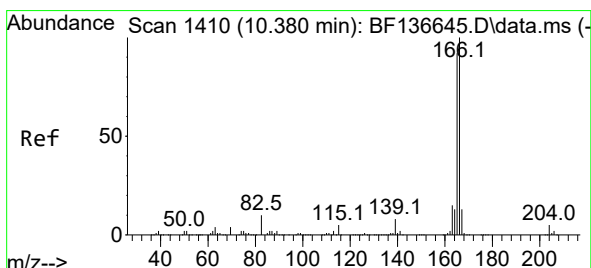
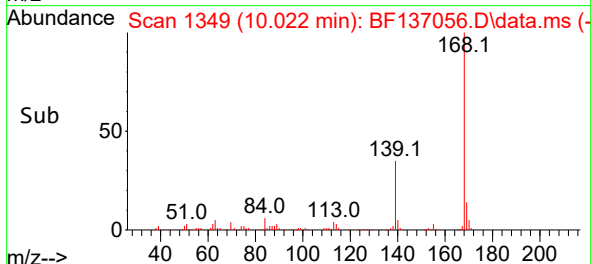
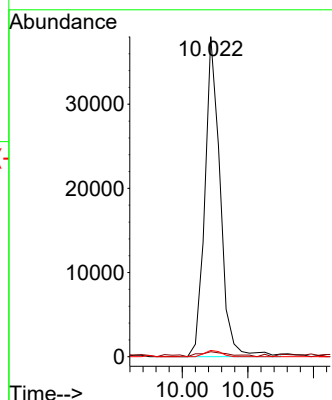
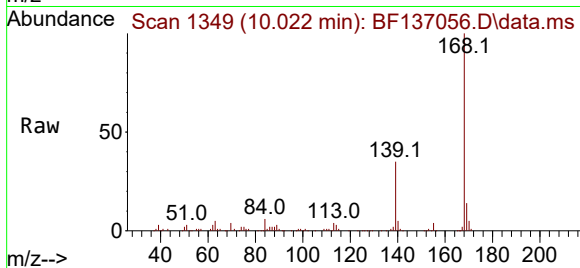
Tgt Ion:139 Resp: 31024

Ion Ratio Lower Upper

139 100

109 1.5 45.8 85.8#

65 1.9 77.8 117.8#



#58

Fluorene

Concen: 22.339 ng

RT: 10.369 min Scan# 1408

Delta R.T. -0.012 min

Lab File: BF137056.D

Acq: 12 Jan 2024 18:54

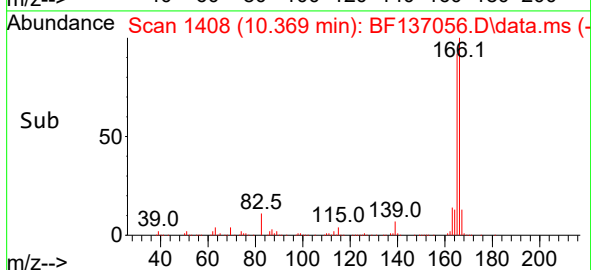
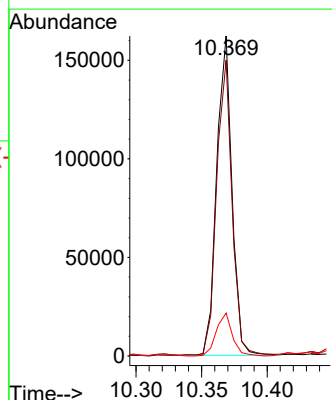
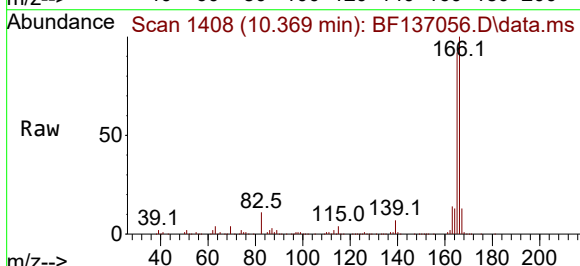
Tgt Ion:166 Resp: 131418

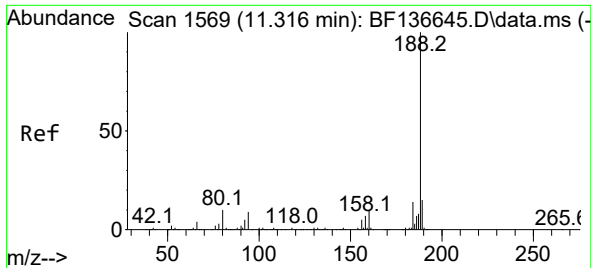
Ion Ratio Lower Upper

166 100

165 92.5 73.7 110.5

167 13.4 10.4 15.6

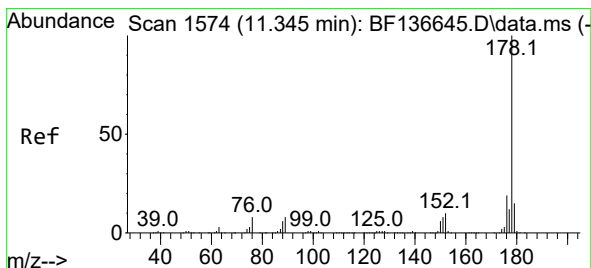
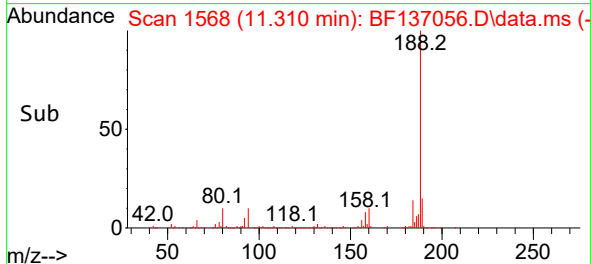
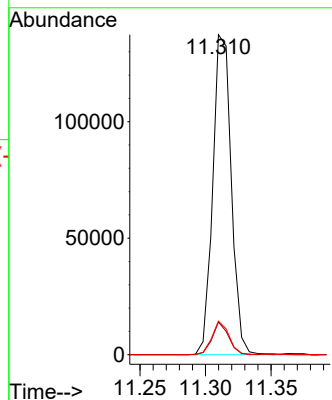
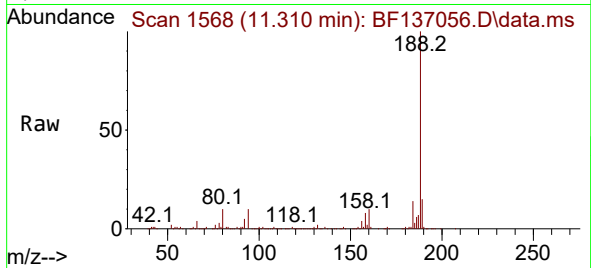




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF137056.D
Acq: 12 Jan 2024 18:54

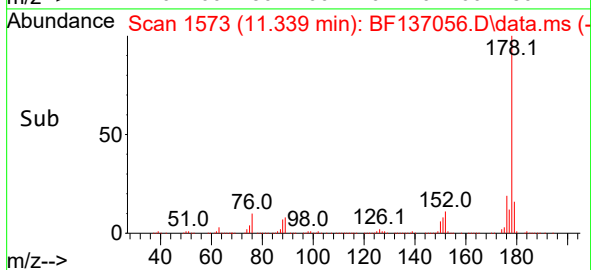
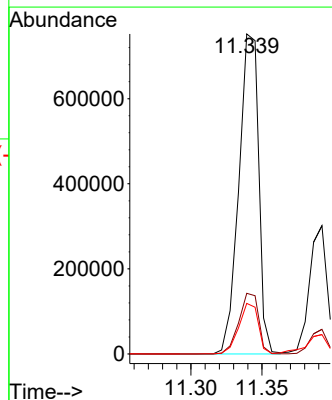
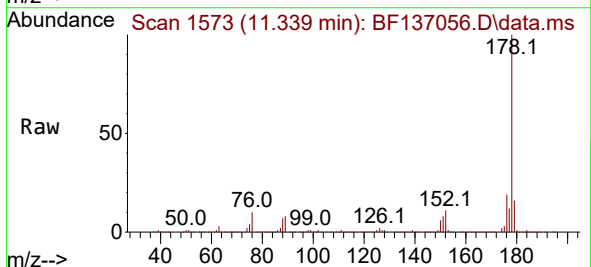
Instrument :
BNA_F
ClientSampleId :
OK-01-11124

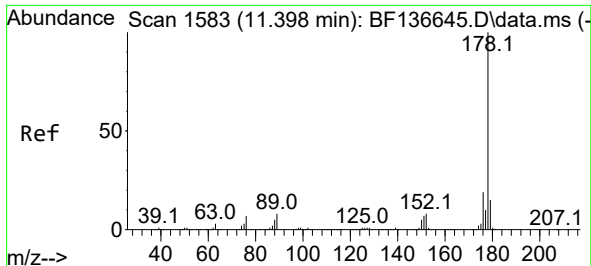
Tgt Ion:188 Resp: 134897
Ion Ratio Lower Upper
188 100
94 10.2 7.5 11.3
80 10.5 8.1 12.1



#71
Phenanthrene
Concen: 105.669 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF137056.D
Acq: 12 Jan 2024 18:54

Tgt Ion:178 Resp: 731407
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.8 11.9 17.9

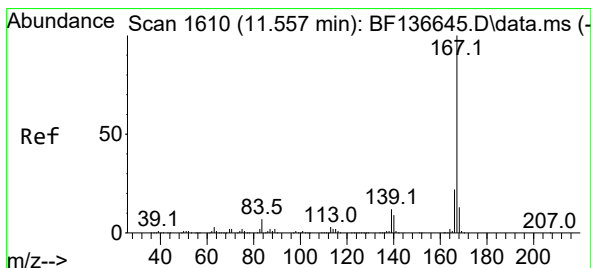
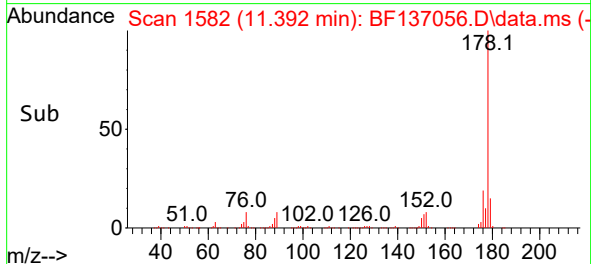
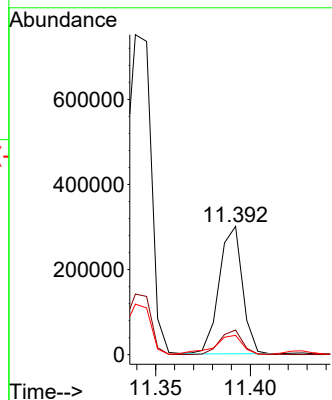
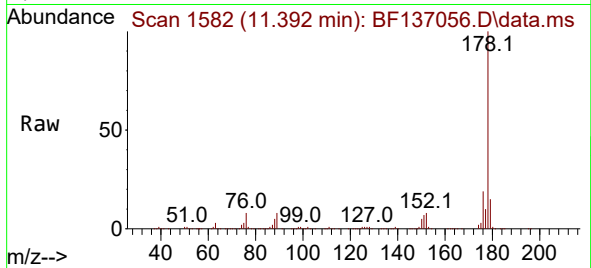




#72
 Anthracene
 Concen: 36.715 ng
 RT: 11.392 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF137056.D
 Acq: 12 Jan 2024 18:54

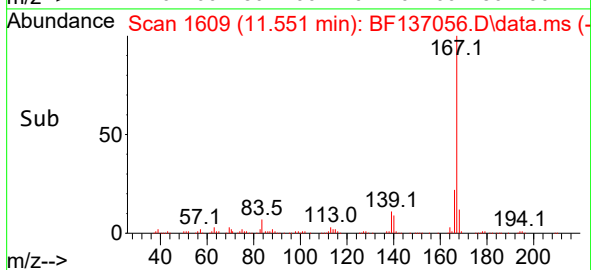
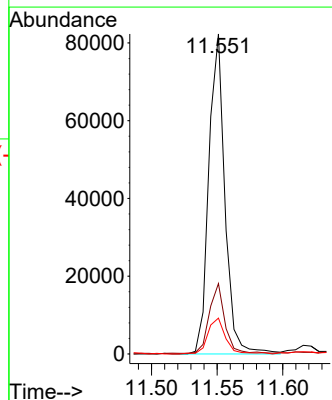
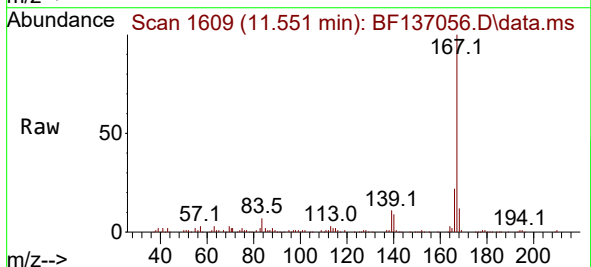
Instrument :
 BNA_F
 ClientSampleId :
 OK-01-11124

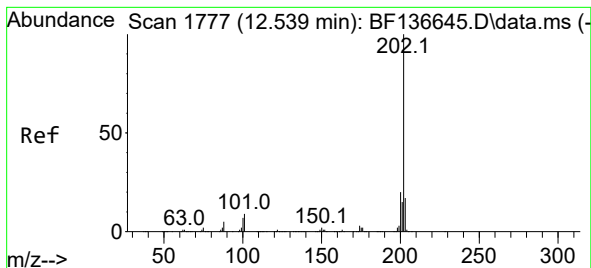
Tgt Ion:178 Resp: 257365
 Ion Ratio Lower Upper
 178 100
 176 19.3 14.9 22.3
 179 15.2 11.8 17.6



#73
 Carbazole
 Concen: 10.657 ng
 RT: 11.551 min Scan# 1609
 Delta R.T. -0.006 min
 Lab File: BF137056.D
 Acq: 12 Jan 2024 18:54

Tgt Ion:167 Resp: 70433
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.3 25.9
 139 11.2 9.8 14.6





#75

Fluoranthene

Concen: 114.317 ng

RT: 12.539 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF137056.D

Acq: 12 Jan 2024 18:54

Instrument :

BNA_F

ClientSampleId :

OK-01-11124

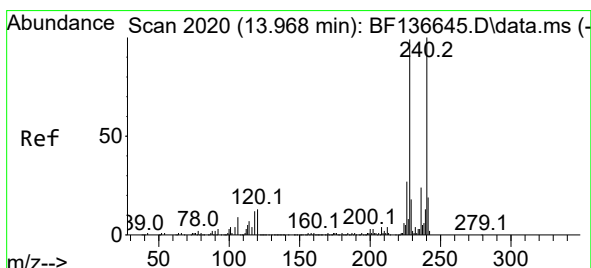
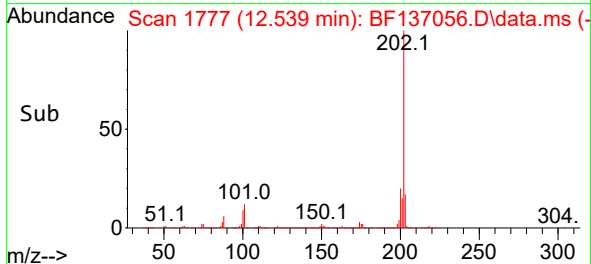
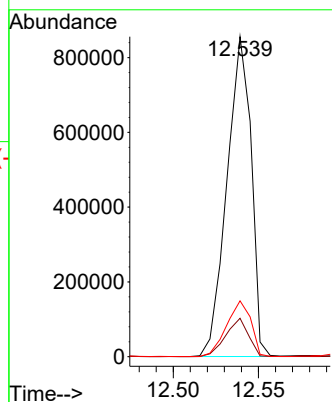
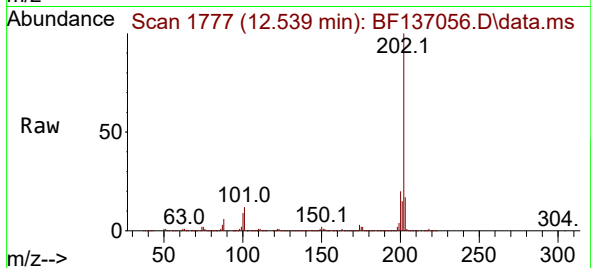
Tgt Ion:202 Resp: 846375

Ion Ratio Lower Upper

202 100

101 12.0 0.0 29.3

203 17.5 0.0 37.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 2021

Delta R.T. 0.006 min

Lab File: BF137056.D

Acq: 12 Jan 2024 18:54

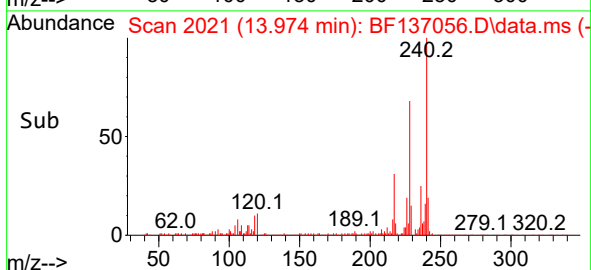
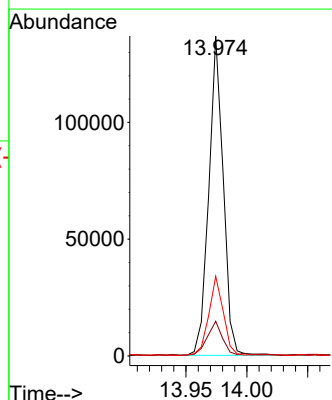
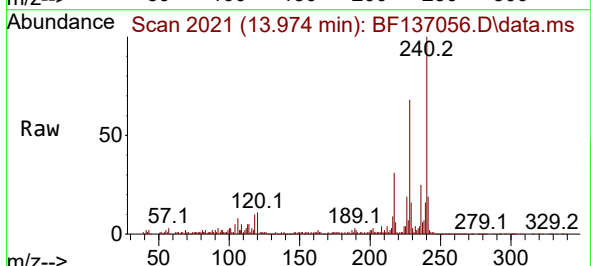
Tgt Ion:240 Resp: 112408

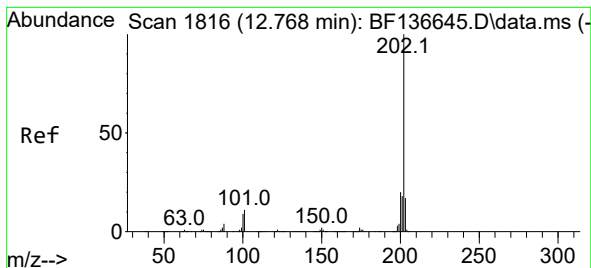
Ion Ratio Lower Upper

240 100

120 10.8 10.3 15.5

236 24.9 19.4 29.2





#78

Pyrene

Concen: 60.325 ng

RT: 12.769 min Scan# 1816

Delta R.T. 0.000 min

Lab File: BF137056.D

Acq: 12 Jan 2024 18:54

Instrument :

BNA_F

ClientSampleId :

OK-01-11124

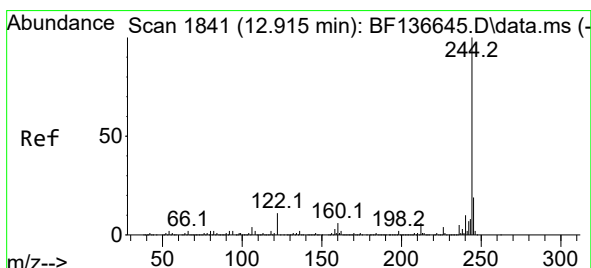
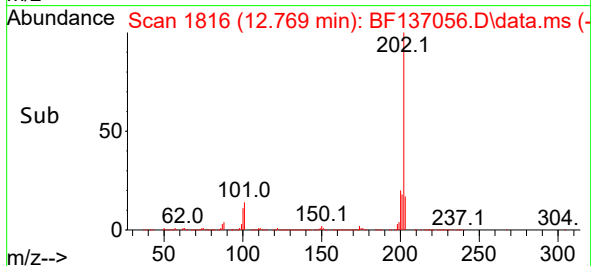
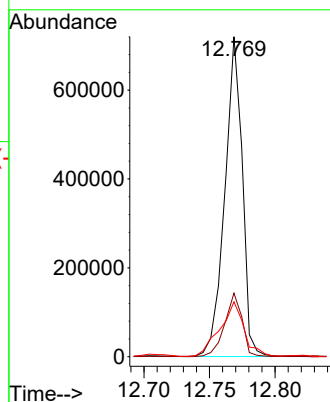
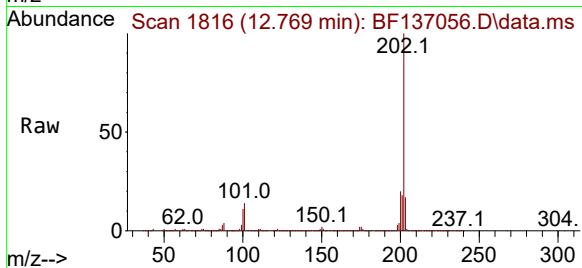
Tgt Ion:202 Resp: 665665

Ion Ratio Lower Upper

202 100

200 19.8 15.9 23.9

203 17.1 13.8 20.6



#79

Terphenyl-d14

Concen: 9.356 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.012 min

Lab File: BF137056.D

Acq: 12 Jan 2024 18:54

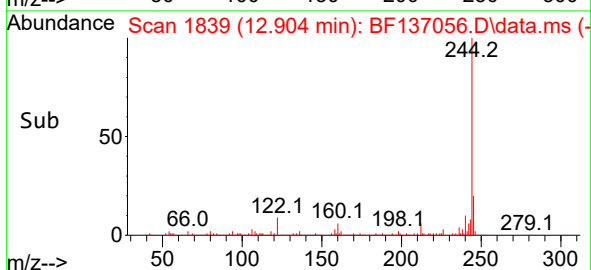
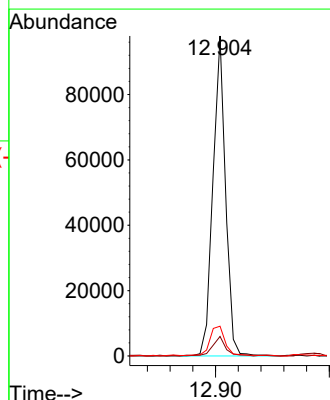
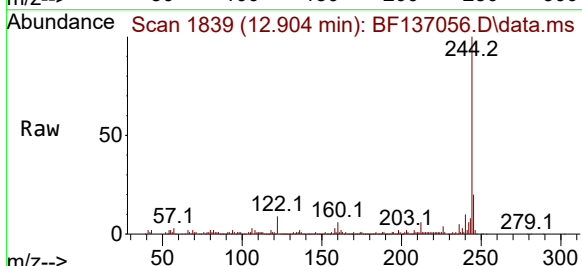
Tgt Ion:244 Resp: 75254

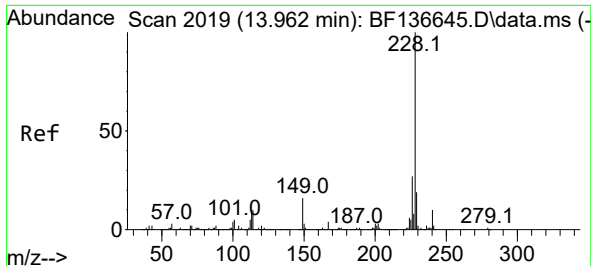
Ion Ratio Lower Upper

244 100

212 6.1 5.0 7.4

122 9.3 9.0 13.4

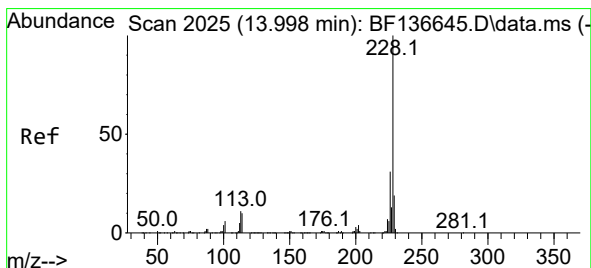
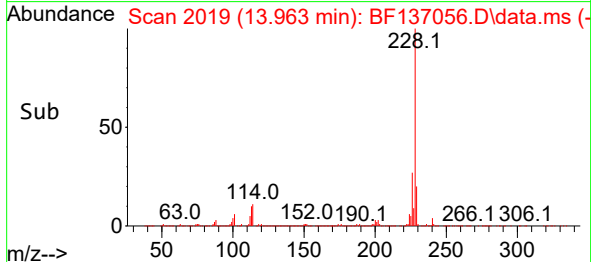
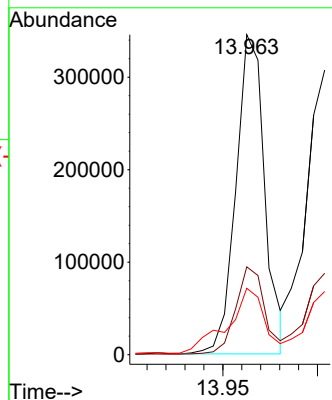
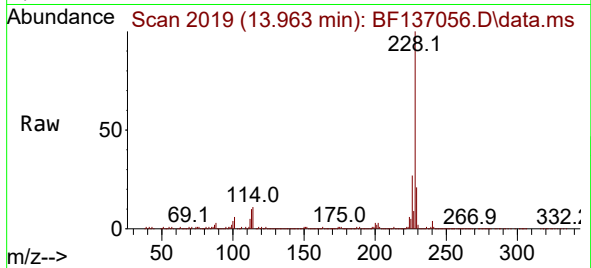




#81
Benzo(a)anthracene
Concen: 46.700 ng
RT: 13.963 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF137056.D
Acq: 12 Jan 2024 18:54

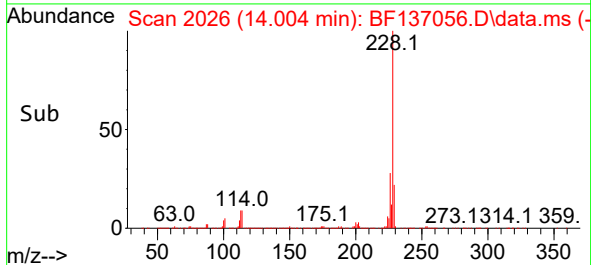
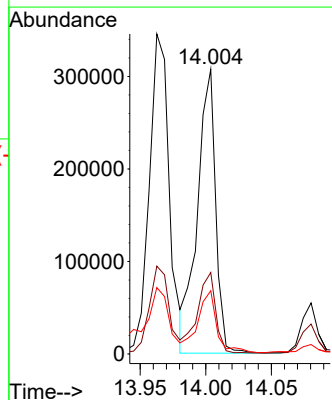
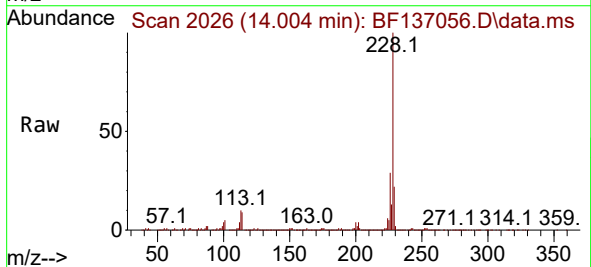
Instrument :
BNA_F
ClientSampleId :
OK-01-11124

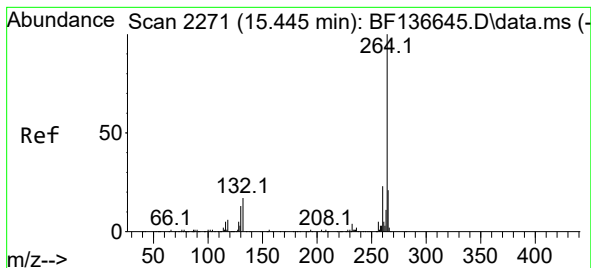
Tgt Ion:228 Resp: 364516
Ion Ratio Lower Upper
228 100
226 27.4 21.4 32.0
229 20.8 14.9 22.3



#83
Chrysene
Concen: 39.133 ng
RT: 14.004 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF137056.D
Acq: 12 Jan 2024 18:54

Tgt Ion:228 Resp: 298699
Ion Ratio Lower Upper
228 100
226 28.6 24.7 37.1
229 22.2 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.463 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF137056.D

Acq: 12 Jan 2024 18:54

Instrument :

BNA_F

ClientSampleId :

OK-01-11124

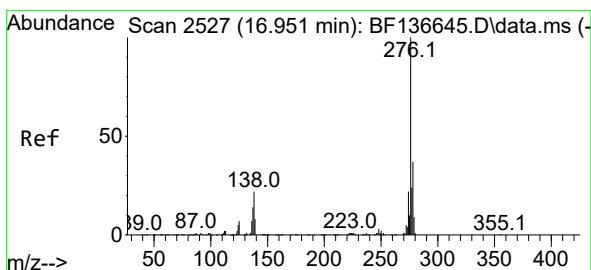
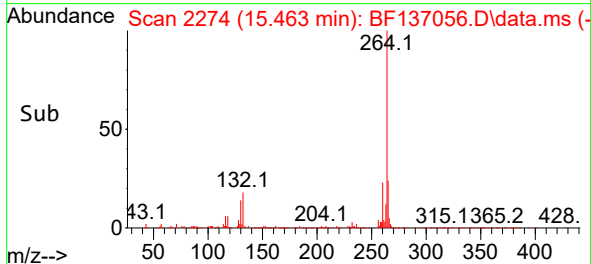
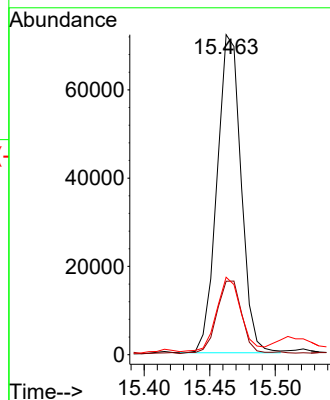
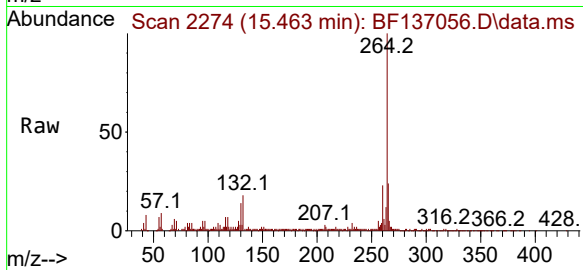
Tgt Ion:264 Resp: 91901

Ion Ratio Lower Upper

264 100

260 23.0 18.3 27.5

265 24.2 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 14.045 ng

RT: 16.986 min Scan# 2533

Delta R.T. 0.035 min

Lab File: BF137056.D

Acq: 12 Jan 2024 18:54

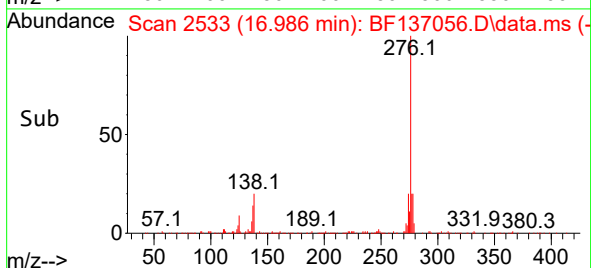
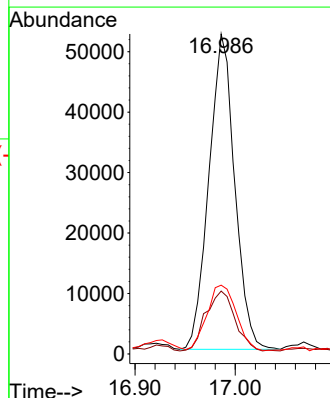
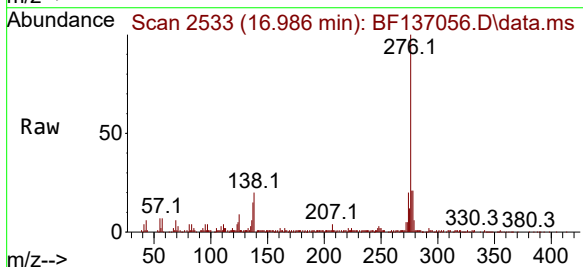
Tgt Ion:276 Resp: 93191

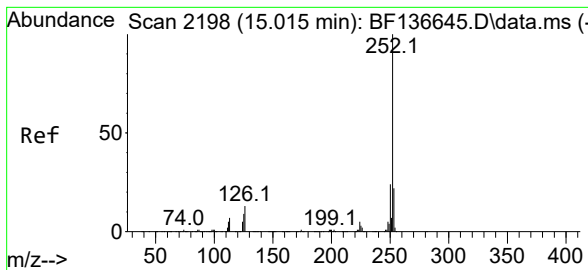
Ion Ratio Lower Upper

276 100

138 21.5 18.7 28.1

277 23.3 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 62.408 ng

RT: 15.027 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF137056.D

Acq: 12 Jan 2024 18:54

Instrument :

BNA_F

ClientSampleId :

OK-01-11124

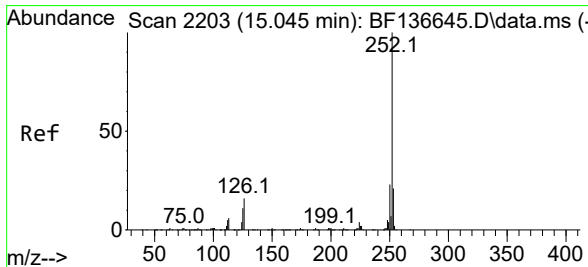
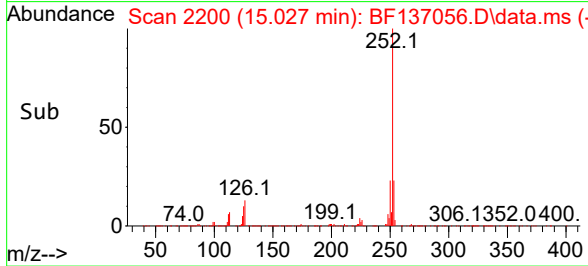
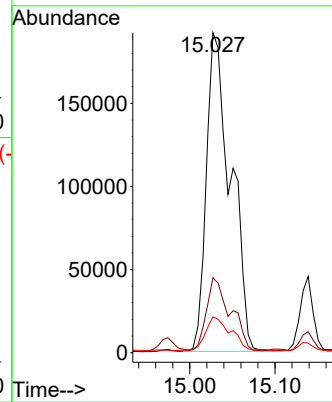
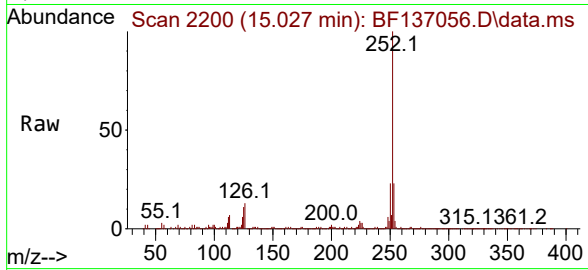
Tgt Ion:252 Resp: 383067

Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.0

125 11.2 7.4 11.2#



#89

Benzo(k)fluoranthene

Concen: 66.046 ng

RT: 15.027 min Scan# 2200

Delta R.T. -0.017 min

Lab File: BF137056.D

Acq: 12 Jan 2024 18:54

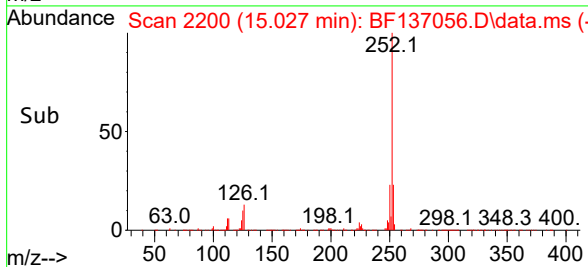
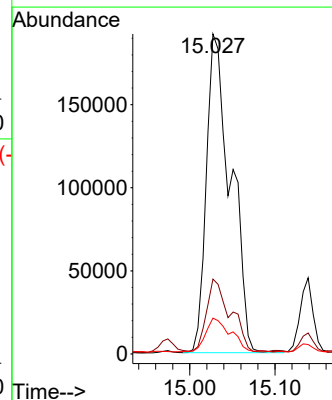
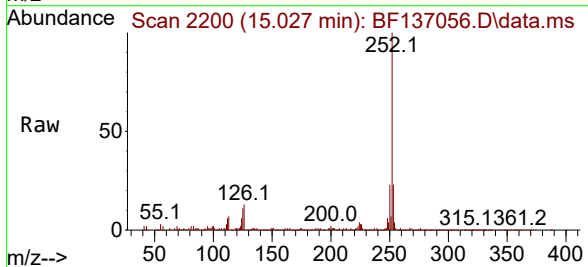
Tgt Ion:252 Resp: 383067

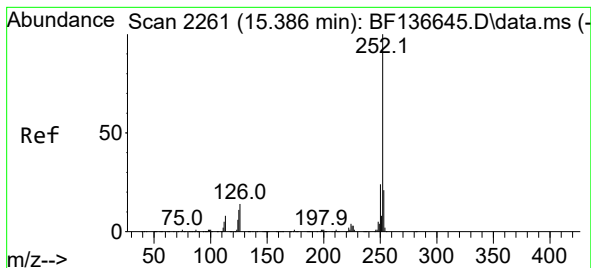
Ion Ratio Lower Upper

252 100

253 23.4 17.0 25.6

125 11.2 8.2 12.4





#90

Benzo(a)pyrene

Concen: 37.102 ng

RT: 15.404 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF137056.D

Acq: 12 Jan 2024 18:54

Instrument :

BNA_F

ClientSampleId :

OK-01-11124

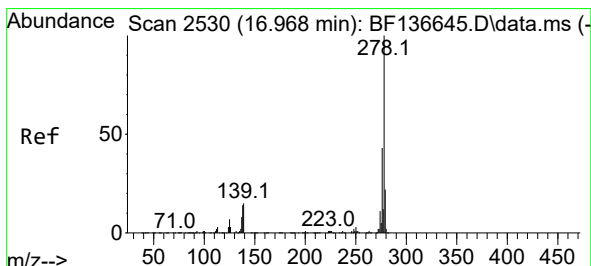
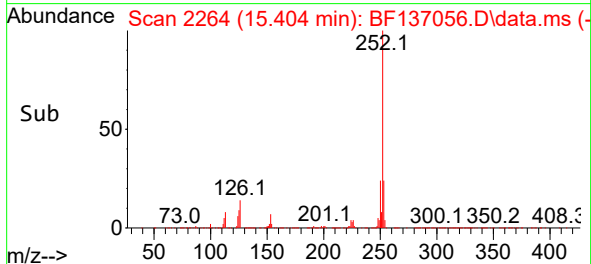
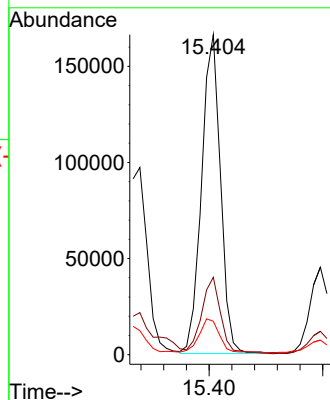
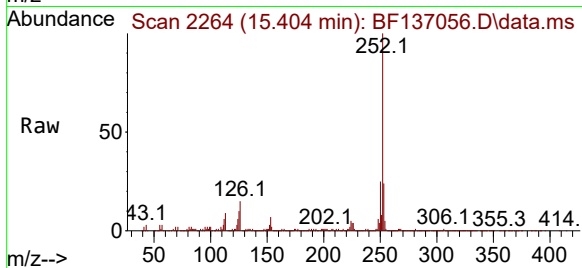
Tgt Ion:252 Resp: 192235

Ion Ratio Lower Upper

252 100

253 24.2 17.0 25.6

125 10.4 8.8 13.2



#91

Dibenzo(a,h)anthracene

Concen: 4.642 ng

RT: 16.992 min Scan# 2534

Delta R.T. 0.024 min

Lab File: BF137056.D

Acq: 12 Jan 2024 18:54

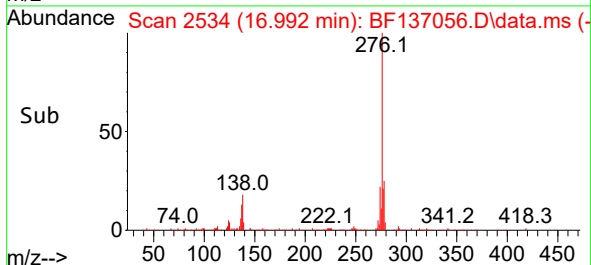
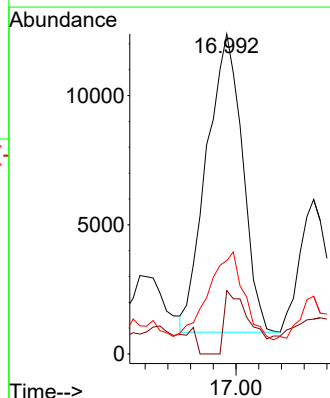
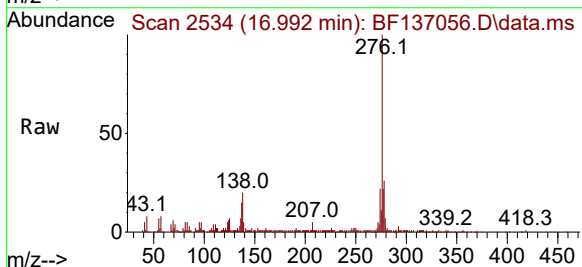
Tgt Ion:278 Resp: 25269

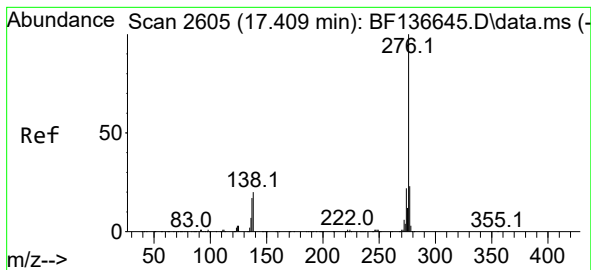
Ion Ratio Lower Upper

278 100

139 19.8 12.2 18.4#

279 29.2 17.8 26.6#





#92

Benzo(g,h,i)perylene

Concen: 14.625 ng

RT: 17.451 min Scan# 20

Delta R.T. 0.041 min

Lab File: BF137056.D

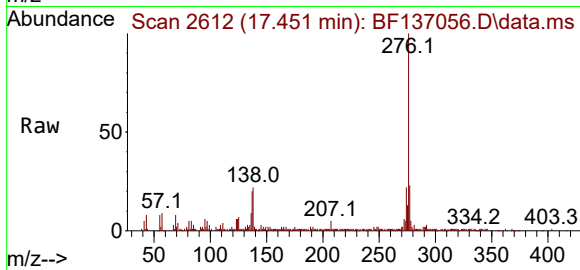
Acq: 12 Jan 2024 18:54

Instrument :

BNA_F

ClientSampleId :

OK-01-11124



Tgt Ion:276 Resp: 81544

Ion	Ratio	Lower	Upper
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276	100		
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277	23.5	18.3	27.5
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138	21.9	15.6	23.4
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