

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010824\
 Data File : BF137007.D
 Acq On : 08 Jan 2024 21:37
 Operator : CG\JU
 Sample : P1056-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MR-311P-0-2

Quant Time: Jan 09 00:44:25 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)

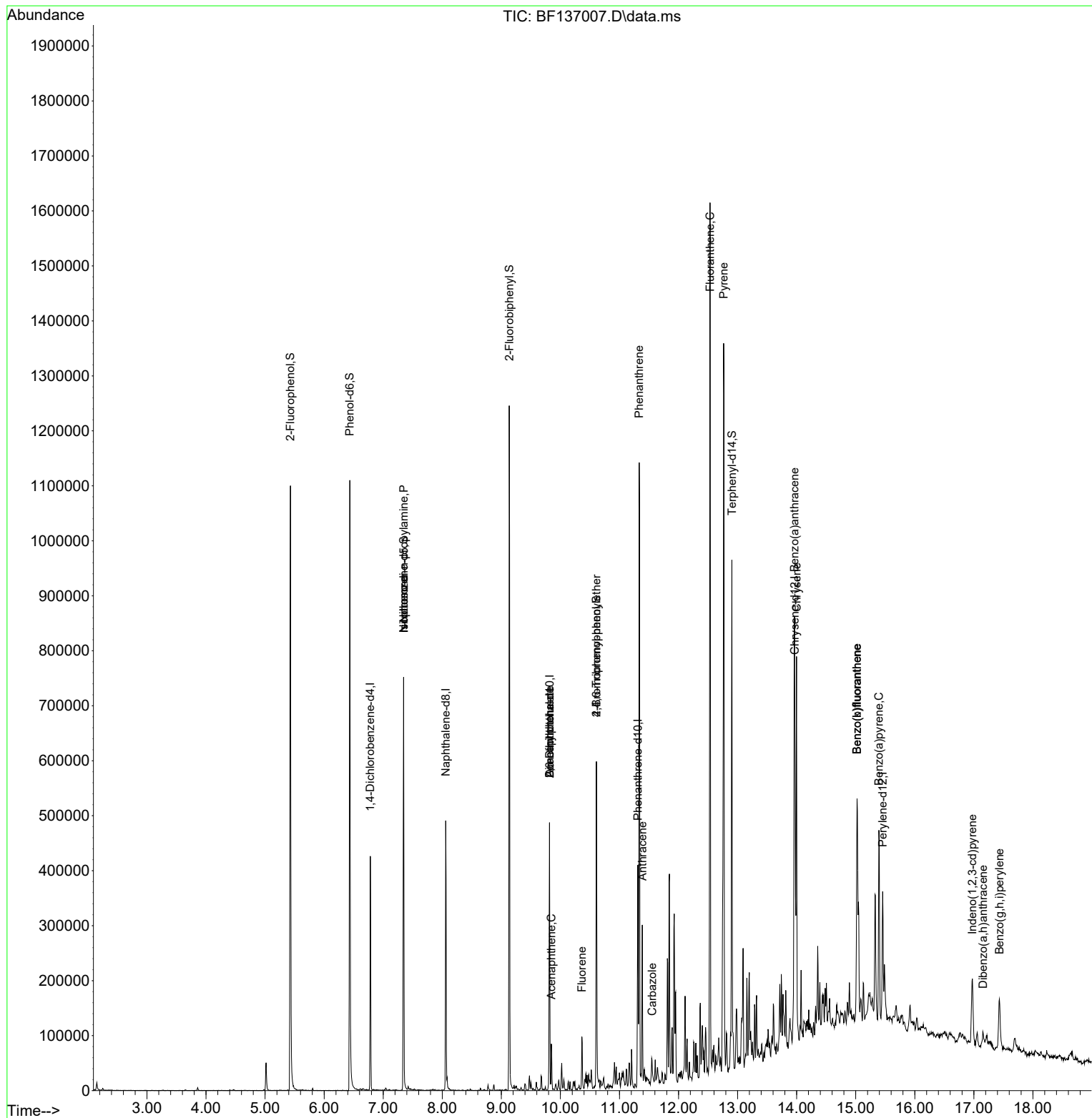
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	57628	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	205864	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	90320	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	138877	20.000	ng	0.00
76) Chrysene-d12	13.969	240	117542	20.000	ng	0.00
86) Perylene-d12	15.457	264	106071	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	293433	79.447	ng	0.00
7) Phenol-d6	6.434	99	353168	73.795	ng	0.00
23) Nitrobenzene-d5	7.345	82	213304	53.020	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	69019	64.885	ng	-0.01
45) 2-Fluorobiphenyl	9.134	172	387852	57.756	ng	-0.02
79) Terphenyl-d14	12.904	244	297351	35.352	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	28635	9.870	ng	# 73
25) Isophorone	7.345	82	213302	29.138	ng	# 65
50) Dimethylphthalate	9.816	163	17674	2.679	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	12219	8.161	ng	# 29
52) Acenaphthene	9.845	154	16509	3.024	ng	99
58) Fluorene	10.363	166	26828	4.086	ng	95
67) 4-Bromophenyl-phenylether	10.610	248	4387	2.844	ng	# 1
71) Phenanthrene	11.333	178	449689	63.106	ng	99
72) Anthracene	11.386	178	96071	13.312	ng	99
73) Carbazole	11.551	167	17208	2.529	ng	98
75) Fluoranthene	12.533	202	599086	78.597	ng	97
78) Pyrene	12.763	202	599444	51.951	ng	99
81) Benzo(a)anthracene	13.963	228	290150	35.549	ng	97
83) Chrysene	13.998	228	268143	33.595	ng	97
87) Indeno(1,2,3-cd)pyrene	16.974	276	80736	10.542	ng	95
88) Benzo(b)fluoranthene	15.021	252	320444	45.231	ng	# 96
89) Benzo(k)fluoranthene	15.021	252	320444	47.868	ng	97
90) Benzo(a)pyrene	15.392	252	174064	29.107	ng	98
91) Dibenzo(a,h)anthracene	17.157	278	18790	2.991	ng	93
92) Benzo(g,h,i)perylene	17.433	276	75330	11.706	ng	94

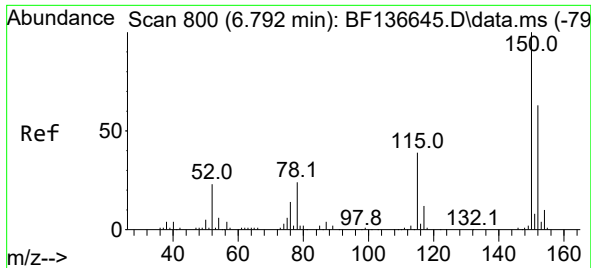
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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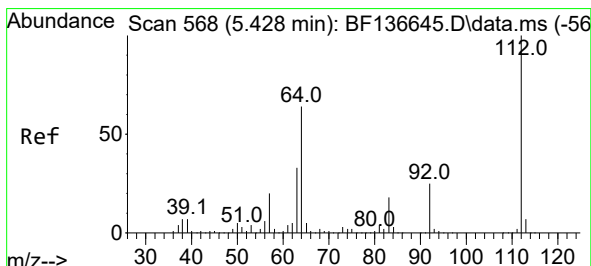
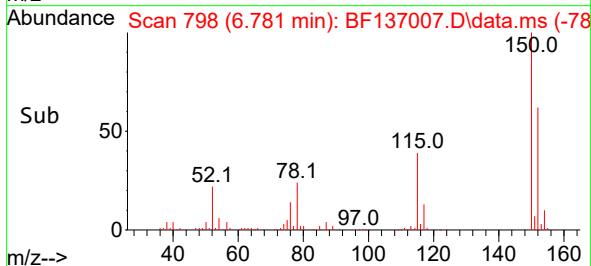
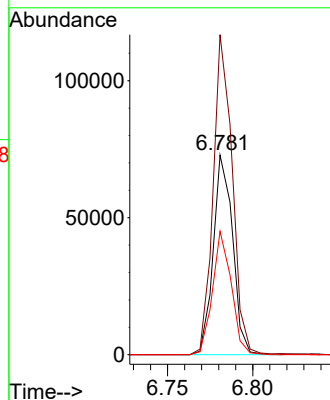
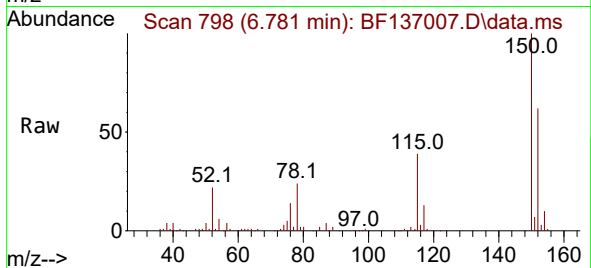




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF137007.D
Acq: 08 Jan 2024 21:37

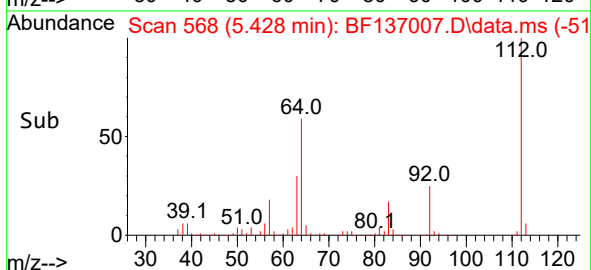
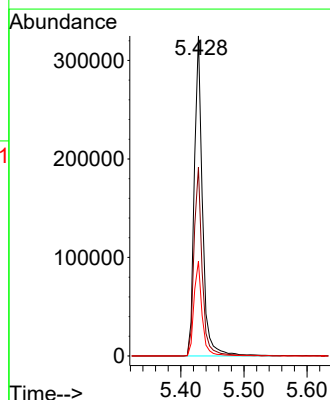
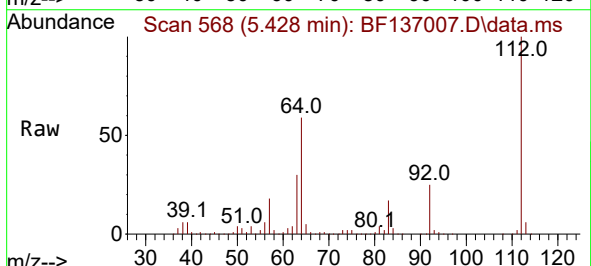
Instrument :
BNA_F
ClientSampleId :
MR-311P-0-2

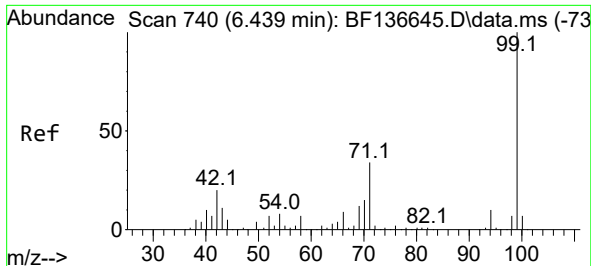
Tgt Ion:152 Resp: 57628
Ion Ratio Lower Upper
152 100
150 160.4 127.0 190.6
115 61.9 49.0 73.4



#5
2-Fluorophenol
Concen: 79.447 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF137007.D
Acq: 08 Jan 2024 21:37

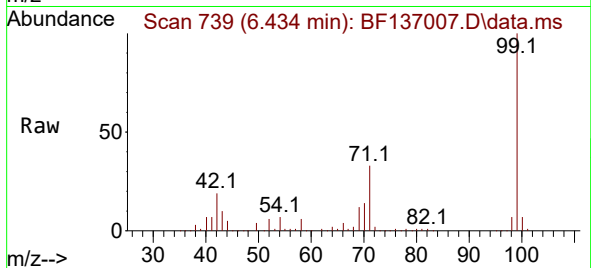
Tgt Ion:112 Resp: 293433
Ion Ratio Lower Upper
112 100
64 59.0 51.1 76.7
63 29.6 26.1 39.1



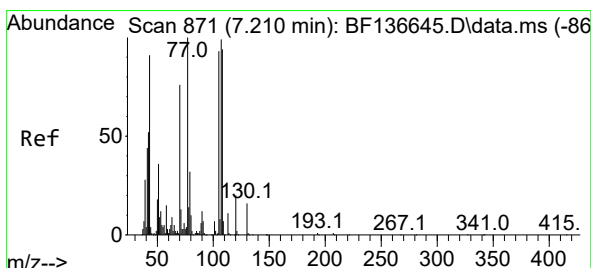
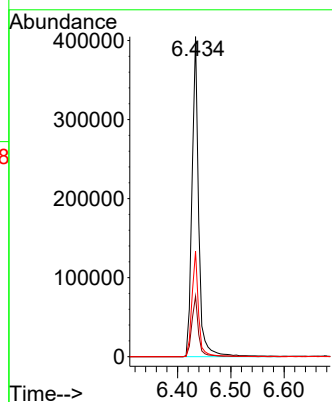
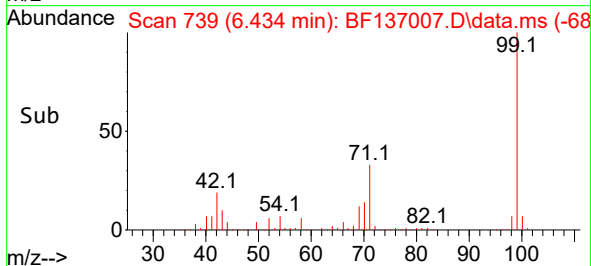


#7
Phenol-d6
Concen: 73.795 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137007.D
Acq: 08 Jan 2024 21:37

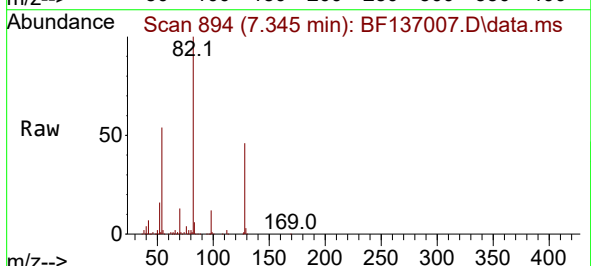
Instrument :
BNA_F
ClientSampleId :
MR-311P-0-2



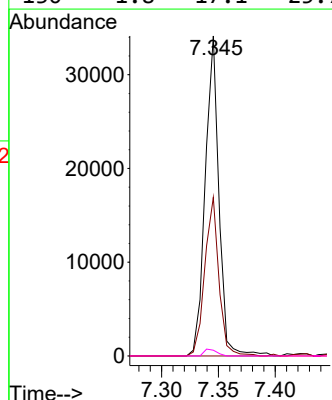
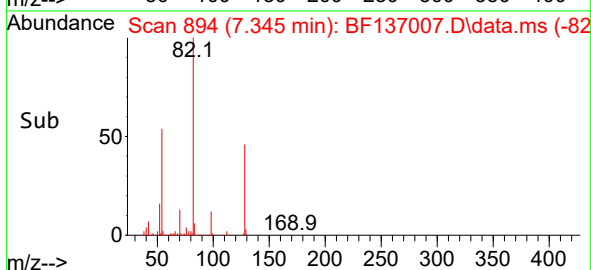
Tgt Ion: 99 Resp: 353168
Ion Ratio Lower Upper
99 100
42 18.9 16.1 24.1
71 32.9 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 9.870 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF137007.D
Acq: 08 Jan 2024 21:37



Tgt Ion: 70 Resp: 28635
Ion Ratio Lower Upper
70 100
42 49.6 54.2 81.4#
101 0.0 7.6 11.4#
130 1.8 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: BF137007.D

Acq: 08 Jan 2024 21:37

Instrument :

BNA_F

ClientSampleId :

MR-311P-0-2

Tgt Ion:136 Resp: 205864

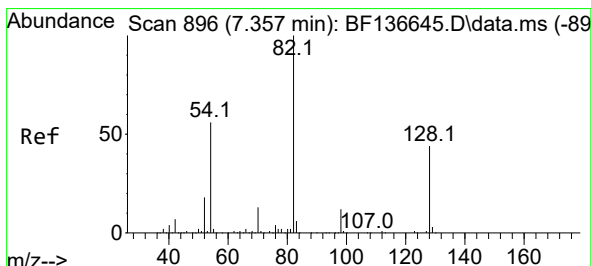
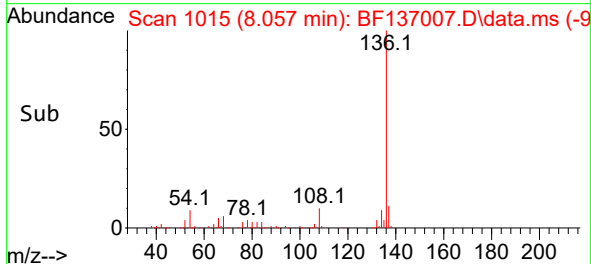
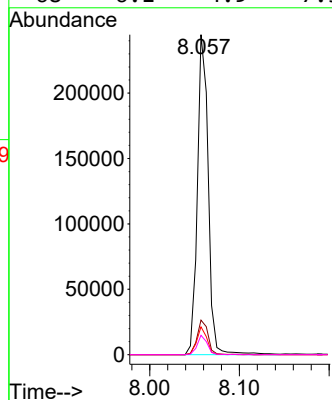
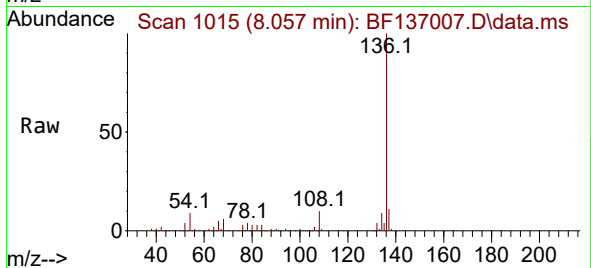
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.4

54 8.7 7.2 10.8

68 6.1 4.9 7.3



#23

Nitrobenzene-d5

Concen: 53.020 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF137007.D

Acq: 08 Jan 2024 21:37

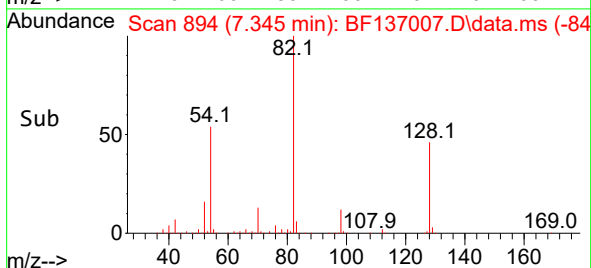
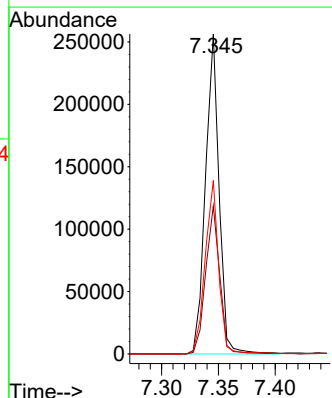
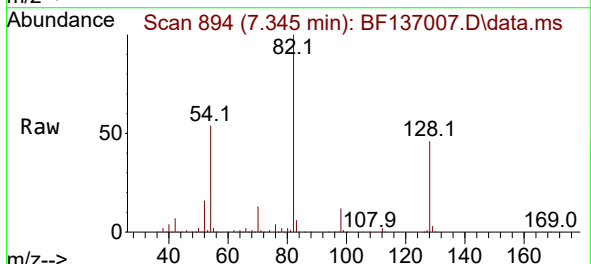
Tgt Ion: 82 Resp: 213304

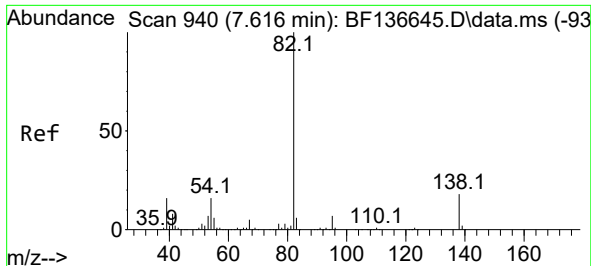
Ion Ratio Lower Upper

82 100

128 46.3 35.3 52.9

54 54.2 44.5 66.7

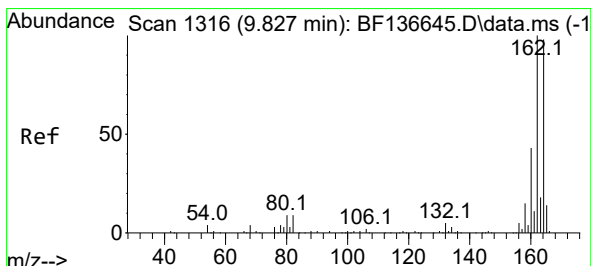
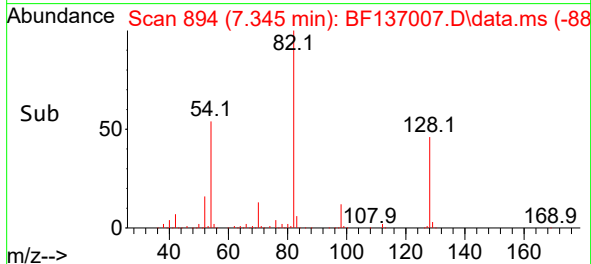
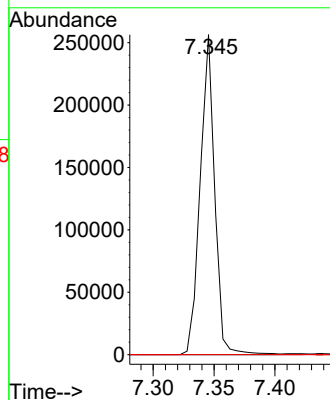
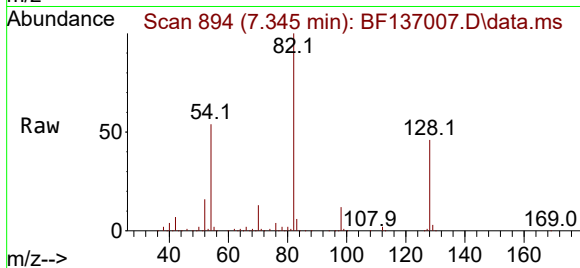




#25
Isophorone
Concen: 29.138 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.270 min
Lab File: BF137007.D
Acq: 08 Jan 2024 21:37

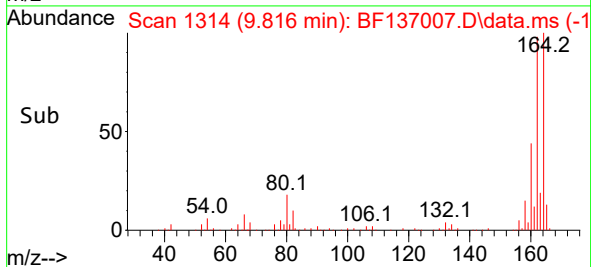
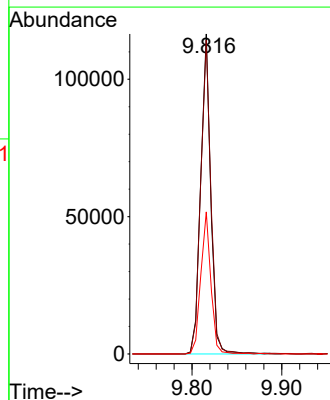
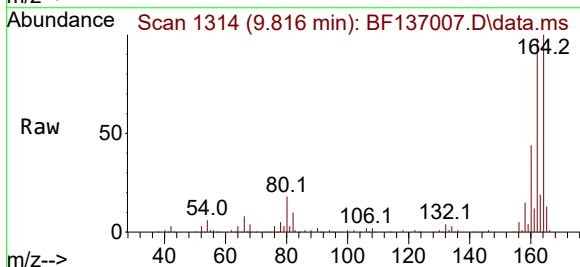
Instrument :
BNA_F
ClientSampleId :
MR-311P-0-2

Tgt Ion: 82 Resp: 213302
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF137007.D
Acq: 08 Jan 2024 21:37

Tgt Ion: 164 Resp: 90320
Ion Ratio Lower Upper
164 100
162 98.1 81.6 122.4
160 44.4 34.9 52.3

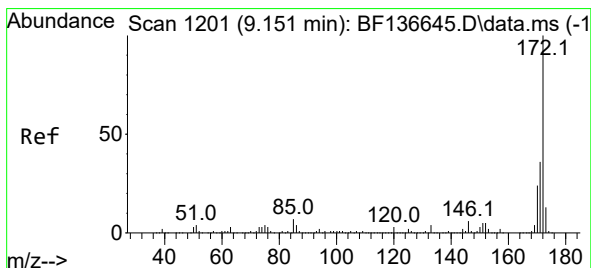
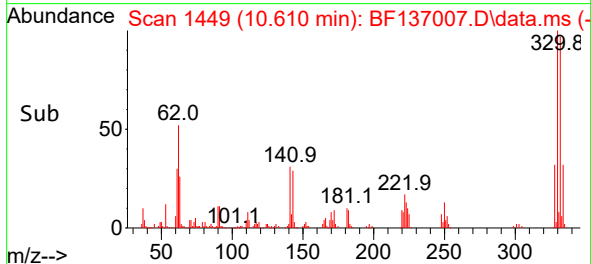
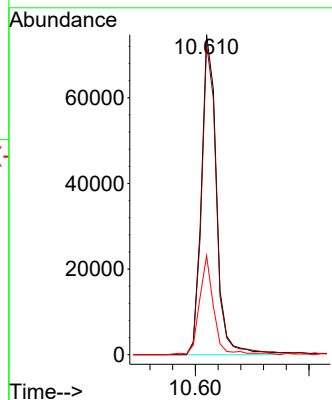
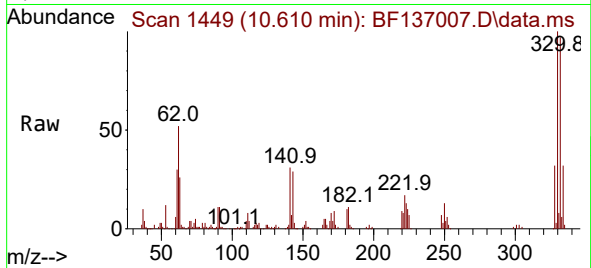




#42
2,4,6-Tribromophenol
Concen: 64.885 ng
RT: 10.610 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF137007.D
Acq: 08 Jan 2024 21:37

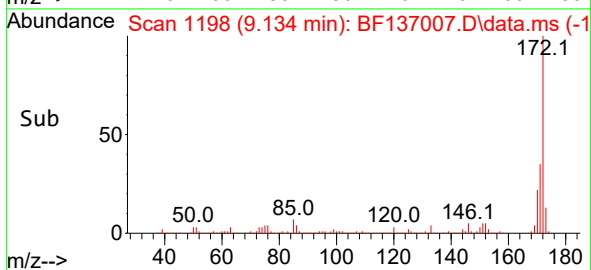
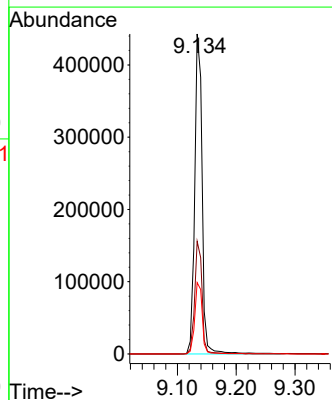
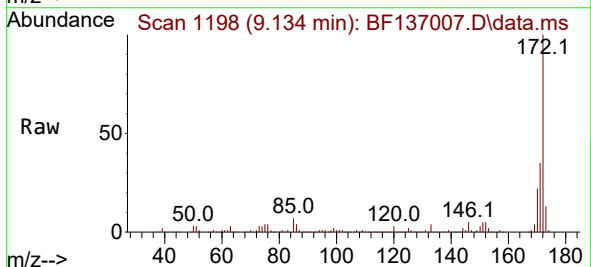
Instrument :
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ClientSampleId :
MR-311P-0-2

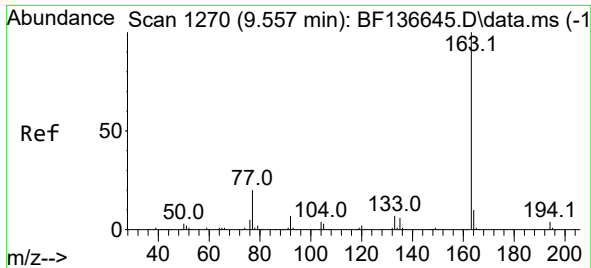
Tgt Ion:330 Resp: 69019
Ion Ratio Lower Upper
330 100
332 97.3 77.4 116.0
141 29.1 23.4 35.2



#45
2-Fluorobiphenyl
Concen: 57.756 ng
RT: 9.134 min Scan# 1198
Delta R.T. -0.017 min
Lab File: BF137007.D
Acq: 08 Jan 2024 21:37

Tgt Ion:172 Resp: 387852
Ion Ratio Lower Upper
172 100
171 35.2 29.0 43.6
170 22.3 19.0 28.4

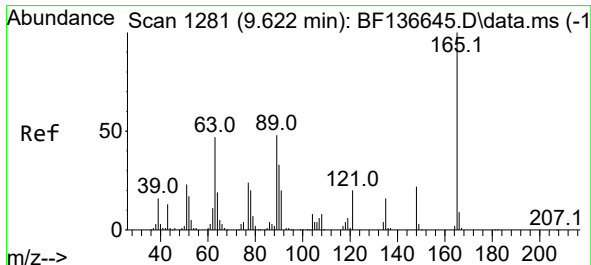
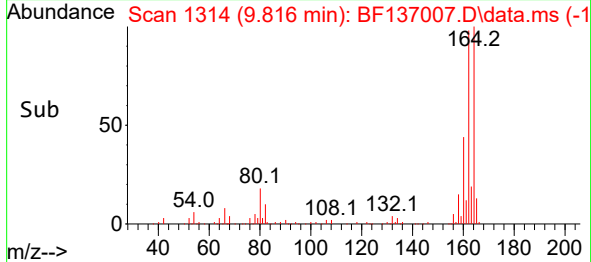
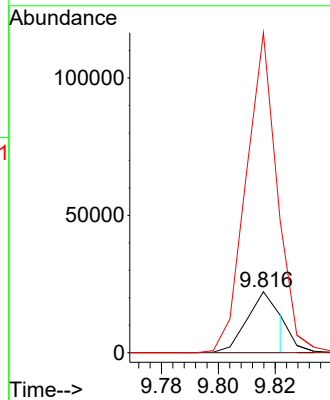
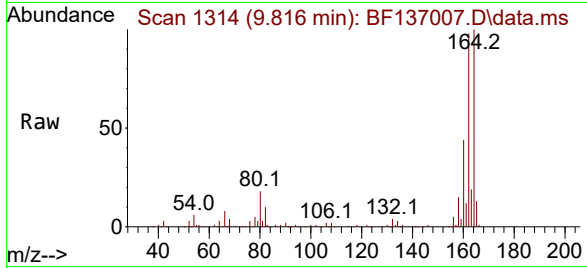




#50
Dimethylphthalate
Concen: 2.679 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF137007.D
Acq: 08 Jan 2024 21:37

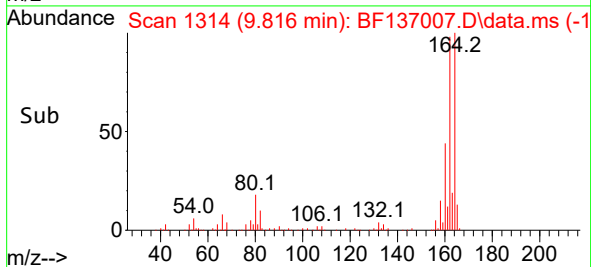
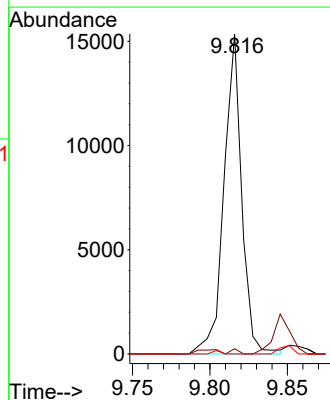
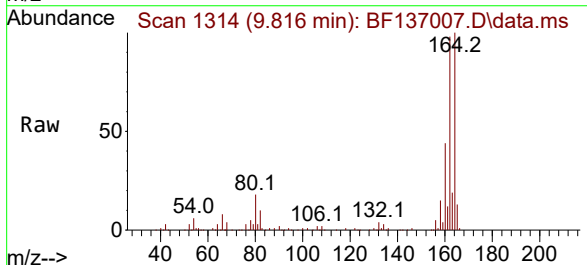
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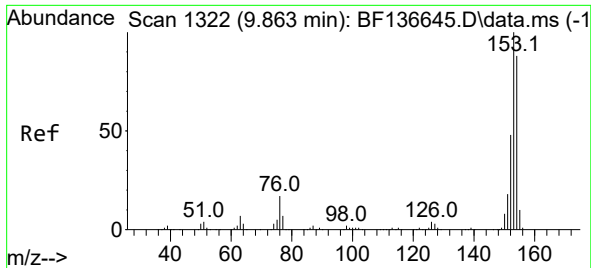
Tgt Ion:163 Resp: 17674
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 524.4 7.8 11.6#



#51
2,6-Dinitrotoluene
Concen: 8.161 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.194 min
Lab File: BF137007.D
Acq: 08 Jan 2024 21:37

Tgt Ion:165 Resp: 12219
Ion Ratio Lower Upper
165 100
63 1.7 39.8 59.6#
89 0.0 38.8 58.2#

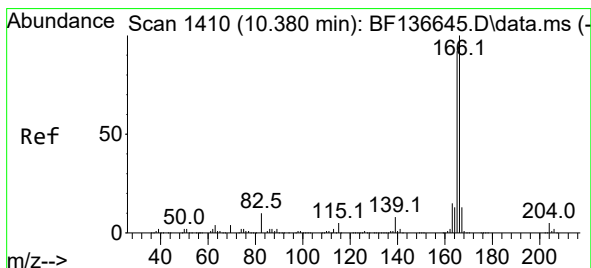
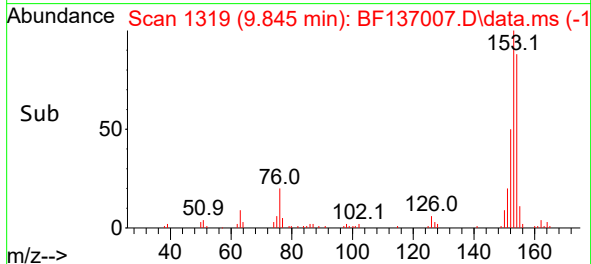
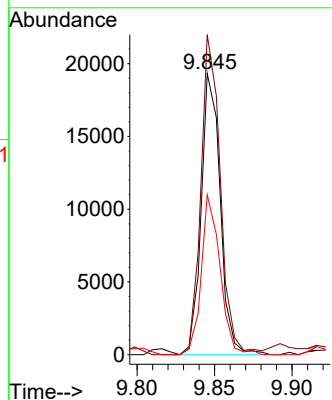
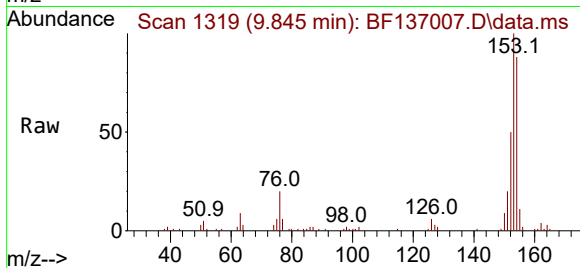




#52
Acenaphthene
Concen: 3.024 ng
RT: 9.845 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF137007.D
Acq: 08 Jan 2024 21:37

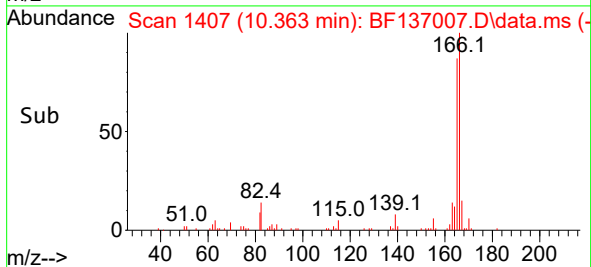
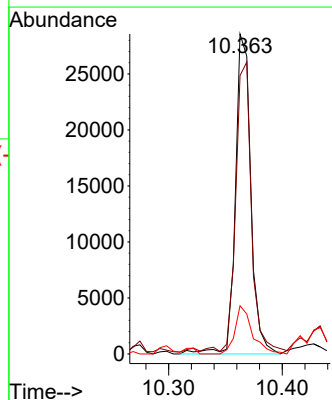
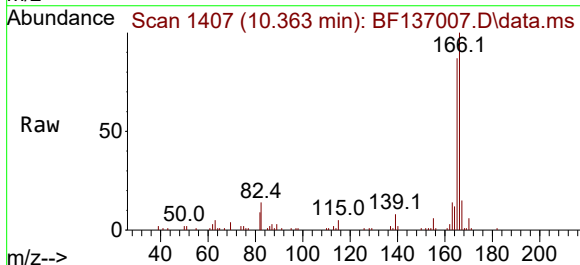
Instrument :
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MR-311P-0-2

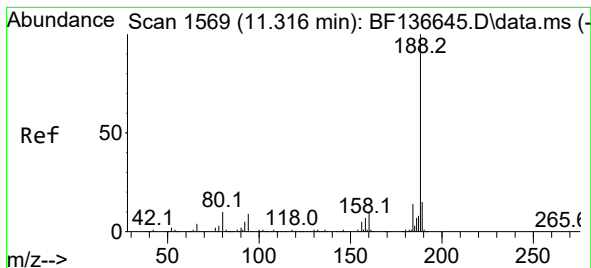
Tgt Ion:154 Resp: 16509
Ion Ratio Lower Upper
154 100
153 113.8 90.7 136.1
152 56.8 43.7 65.5



#58
Fluorene
Concen: 4.086 ng
RT: 10.363 min Scan# 1407
Delta R.T. -0.017 min
Lab File: BF137007.D
Acq: 08 Jan 2024 21:37

Tgt Ion:166 Resp: 26828
Ion Ratio Lower Upper
166 100
165 87.0 73.7 110.5
167 15.1 10.4 15.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF137007.D

Acq: 08 Jan 2024 21:37

Instrument :

BNA_F

ClientSampleId :

MR-311P-0-2

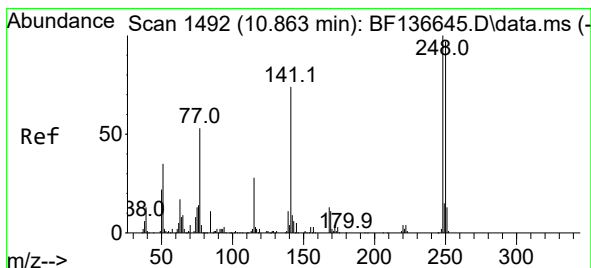
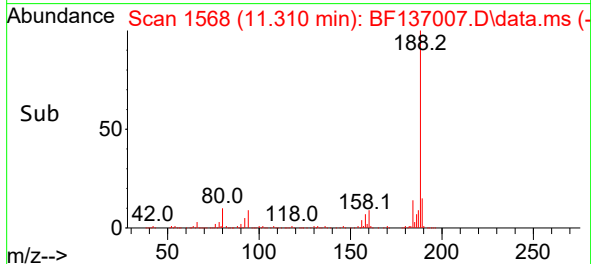
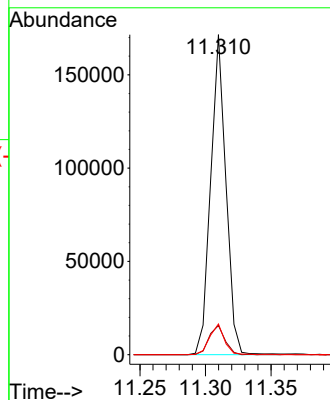
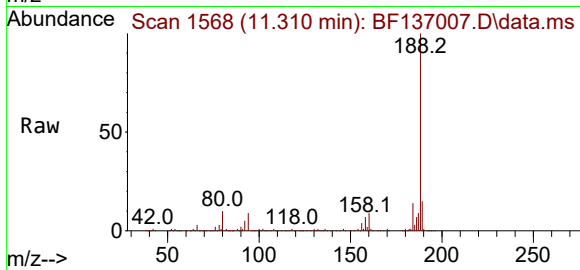
Tgt Ion:188 Resp: 138877

Ion Ratio Lower Upper

188 100

94 9.1 7.5 11.3

80 9.6 8.1 12.1



#67

4-Bromophenyl-phenylether

Concen: 2.844 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.253 min

Lab File: BF137007.D

Acq: 08 Jan 2024 21:37

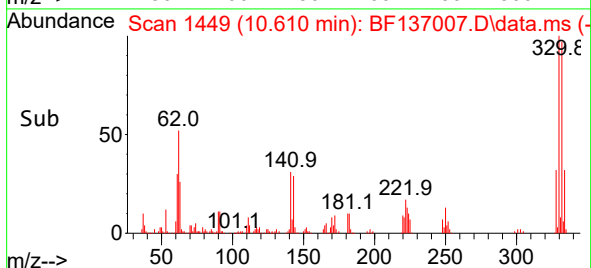
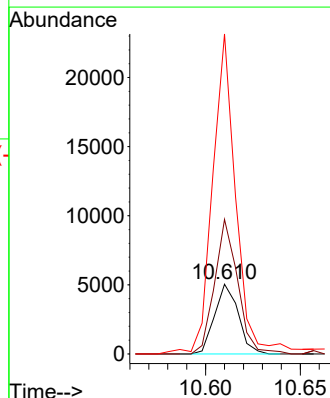
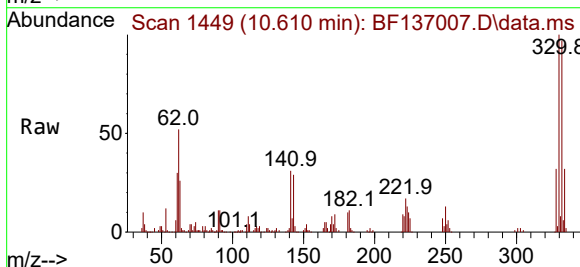
Tgt Ion:248 Resp: 4387

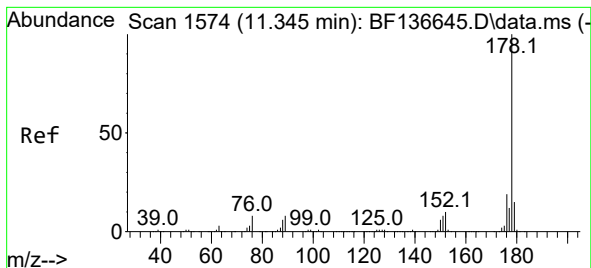
Ion Ratio Lower Upper

248 100

250 193.0 77.8 116.6#

141 459.1 59.2 88.8#





#71

Phenanthrene

Concen: 63.106 ng

RT: 11.333 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF137007.D

Acq: 08 Jan 2024 21:37

Instrument :

BNA_F

ClientSampleId :

MR-311P-0-2

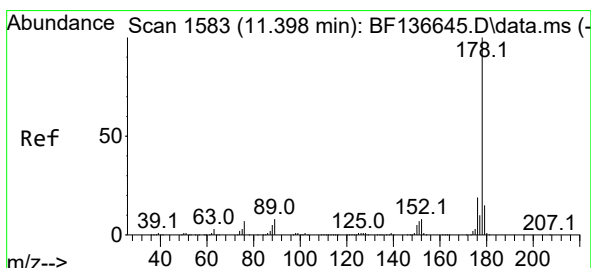
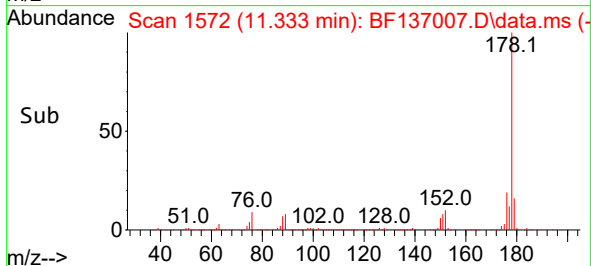
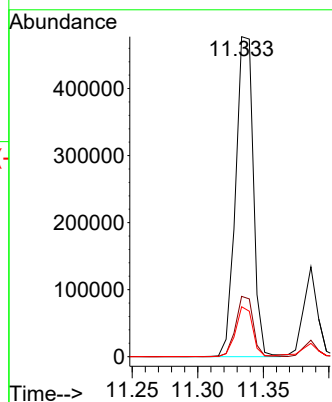
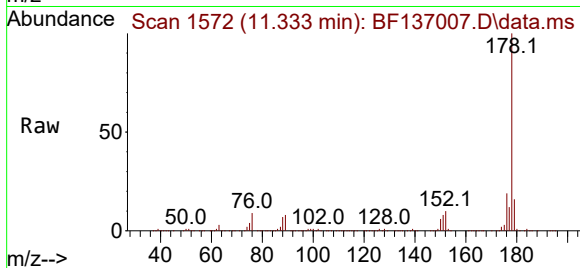
Tgt Ion:178 Resp: 449689

Ion Ratio Lower Upper

178 100

176 18.8 15.3 22.9

179 15.6 11.9 17.9



#72

Anthracene

Concen: 13.312 ng

RT: 11.386 min Scan# 1581

Delta R.T. -0.012 min

Lab File: BF137007.D

Acq: 08 Jan 2024 21:37

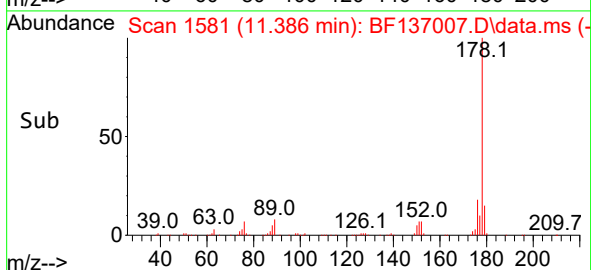
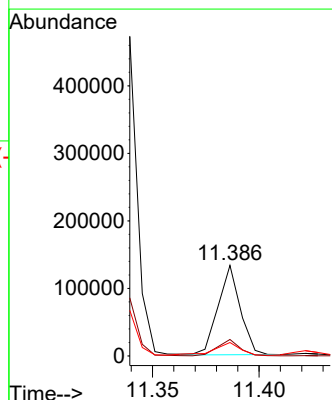
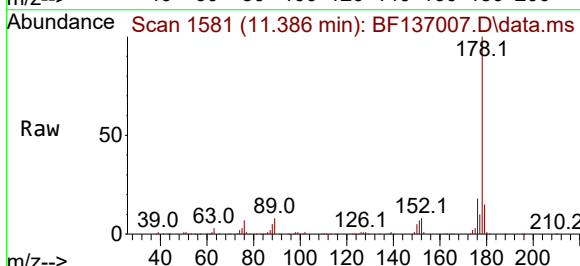
Tgt Ion:178 Resp: 96071

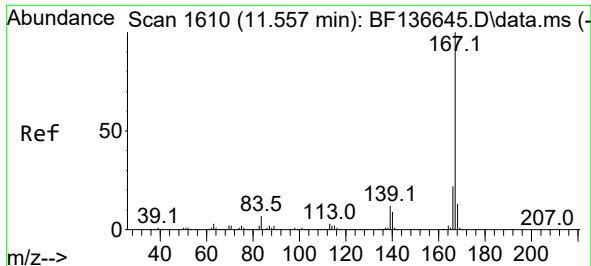
Ion Ratio Lower Upper

178 100

176 18.3 14.9 22.3

179 14.8 11.8 17.6

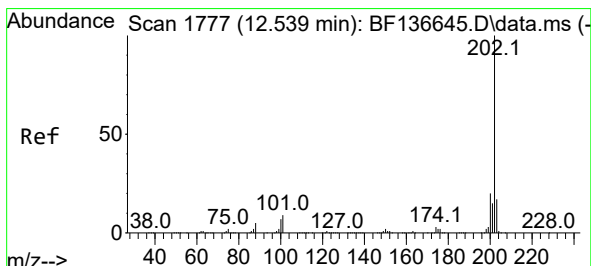
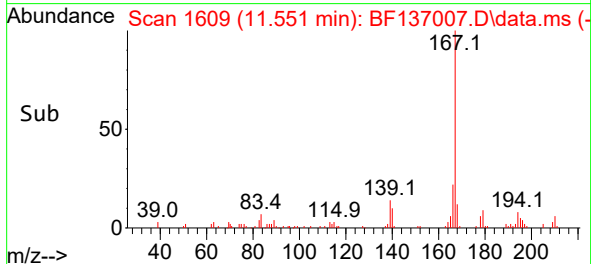
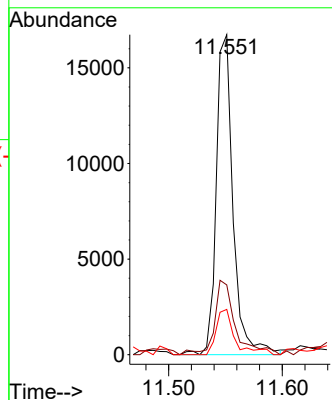
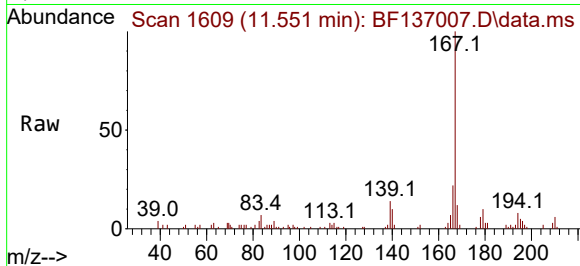




#73
 Carbazole
 Concen: 2.529 ng
 RT: 11.551 min Scan# 1609
 Delta R.T. -0.006 min
 Lab File: BF137007.D
 Acq: 08 Jan 2024 21:37

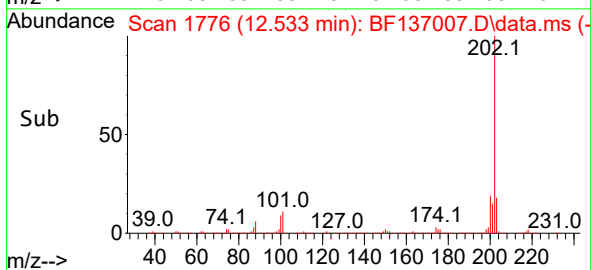
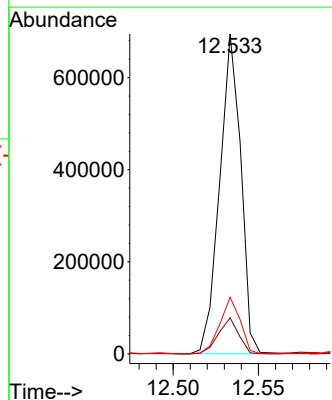
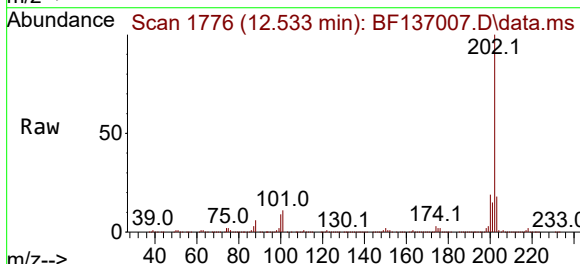
Instrument :
 BNA_F
 ClientSampleId :
 MR-311P-0-2

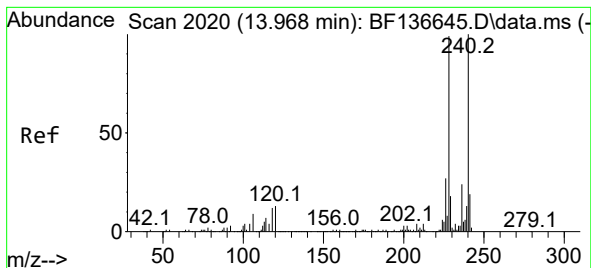
Tgt Ion:167 Resp: 17208
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.3 25.9
 139 14.2 9.8 14.6



#75
 Fluoranthene
 Concen: 78.597 ng
 RT: 12.533 min Scan# 1776
 Delta R.T. -0.006 min
 Lab File: BF137007.D
 Acq: 08 Jan 2024 21:37

Tgt Ion:202 Resp: 599086
 Ion Ratio Lower Upper
 202 100
 101 11.3 0.0 29.3
 203 17.7 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.969 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF137007.D

Acq: 08 Jan 2024 21:37

Instrument :

BNA_F

ClientSampleId :

MR-311P-0-2

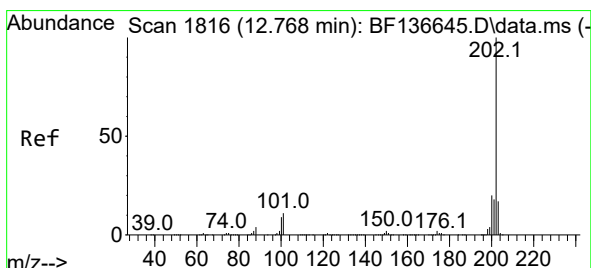
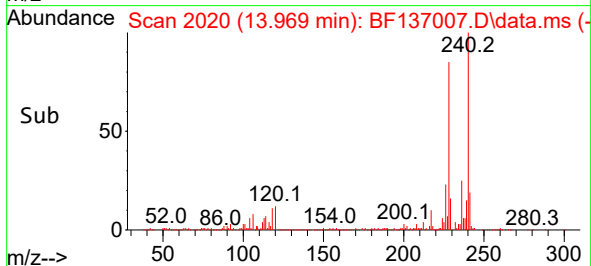
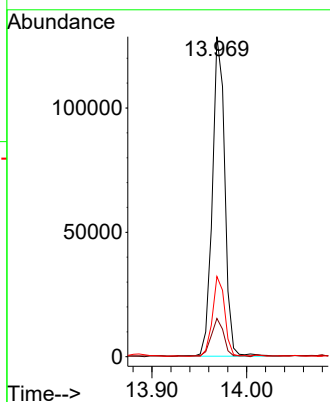
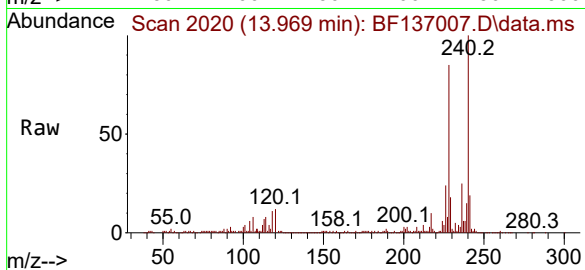
Tgt Ion:240 Resp: 117542

Ion Ratio Lower Upper

240 100

120 12.0 10.3 15.5

236 25.1 19.4 29.2



#78

Pyrene

Concen: 51.951 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF137007.D

Acq: 08 Jan 2024 21:37

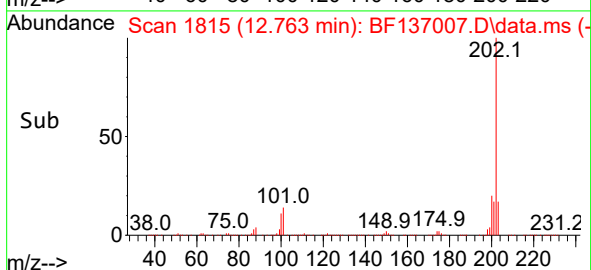
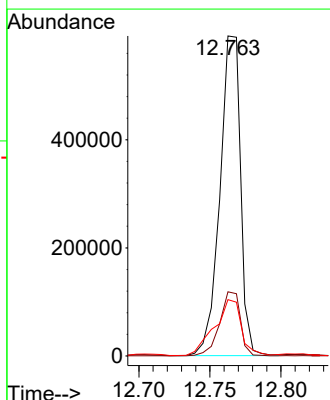
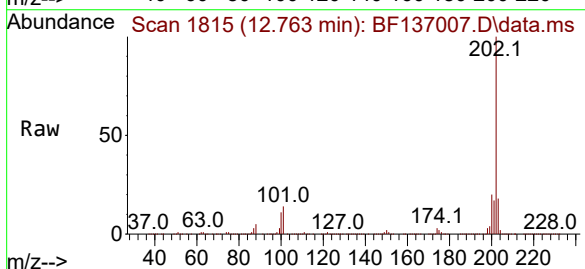
Tgt Ion:202 Resp: 599444

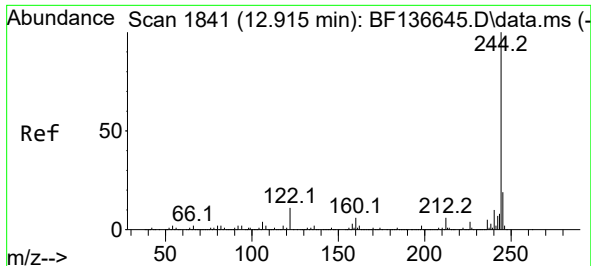
Ion Ratio Lower Upper

202 100

200 20.0 15.9 23.9

203 17.6 13.8 20.6

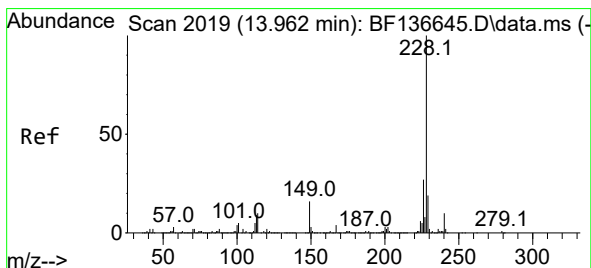
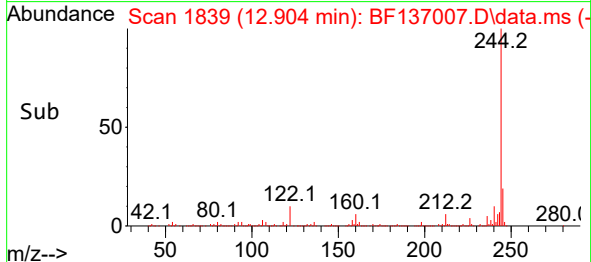
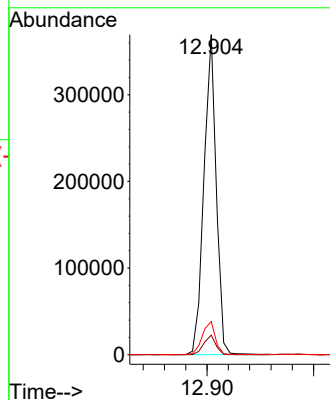
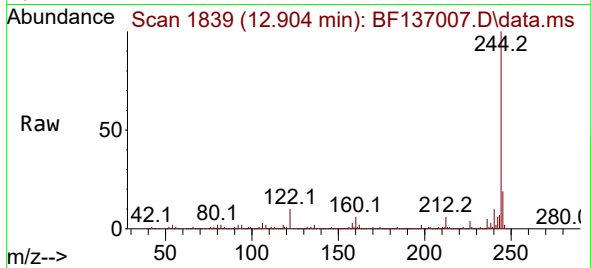




#79
Terphenyl-d14
Concen: 35.352 ng
RT: 12.904 min Scan# 1841
Delta R.T. -0.012 min
Lab File: BF137007.D
Acq: 08 Jan 2024 21:37

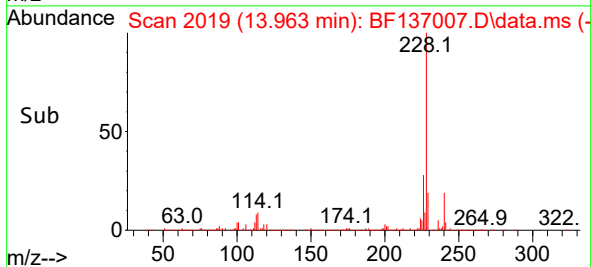
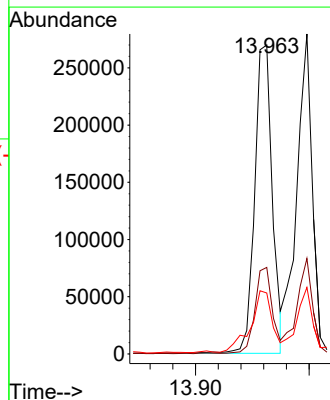
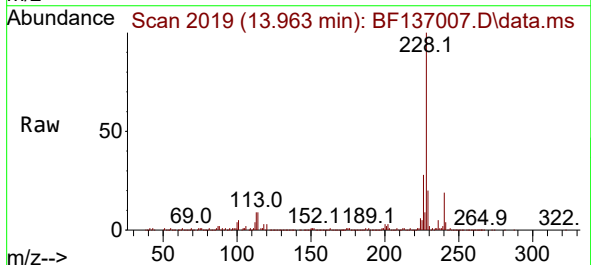
Instrument :
BNA_F
ClientSampleId :
MR-311P-0-2

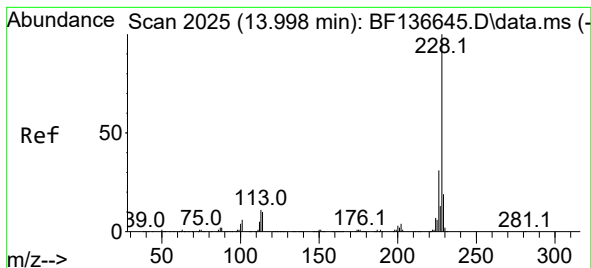
Tgt Ion:244 Resp: 297351
Ion Ratio Lower Upper
244 100
212 6.1 5.0 7.4
122 10.3 9.0 13.4



#81
Benzo(a)anthracene
Concen: 35.549 ng
RT: 13.963 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF137007.D
Acq: 08 Jan 2024 21:37

Tgt Ion:228 Resp: 290150
Ion Ratio Lower Upper
228 100
226 28.0 21.4 32.0
229 19.7 14.9 22.3





#83

Chrysene

Concen: 33.595 ng

RT: 13.998 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF137007.D

Acq: 08 Jan 2024 21:37

Instrument :

BNA_F

ClientSampleId :

MR-311P-0-2

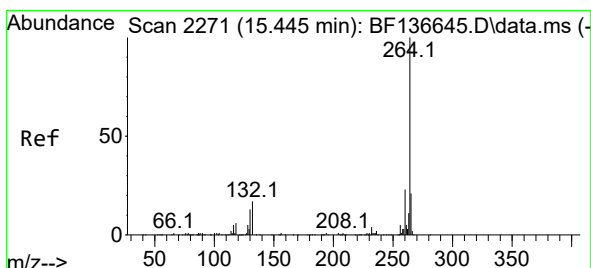
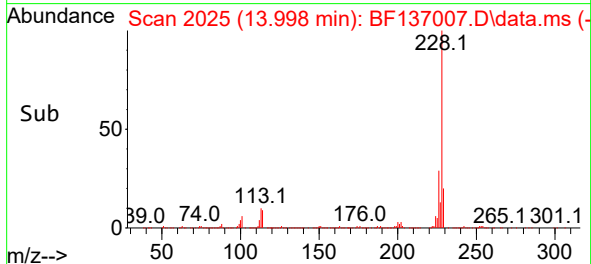
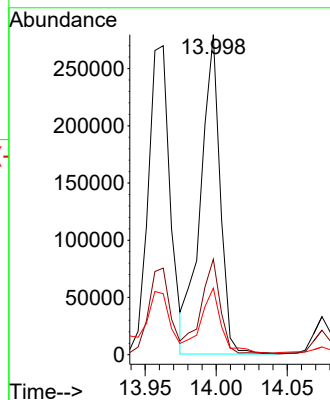
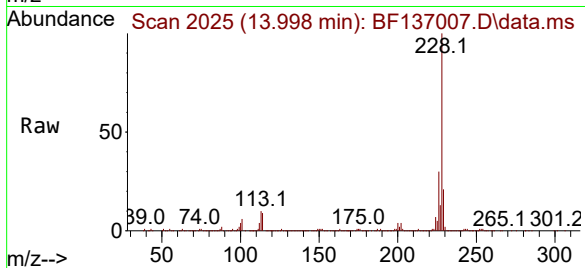
Tgt Ion:228 Resp: 268143

Ion Ratio Lower Upper

228 100

226 29.9 24.7 37.1

229 20.8 15.4 23.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 2273

Delta R.T. 0.012 min

Lab File: BF137007.D

Acq: 08 Jan 2024 21:37

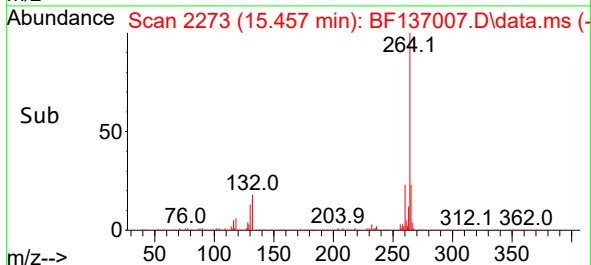
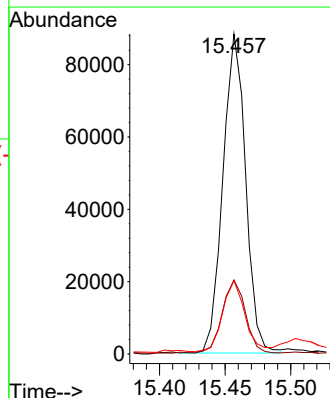
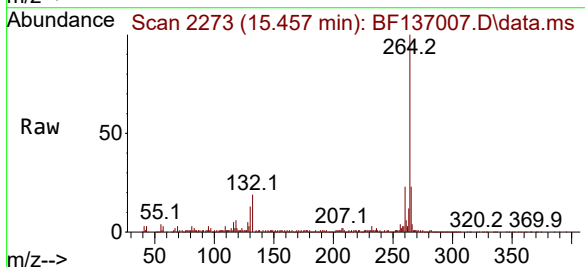
Tgt Ion:264 Resp: 106071

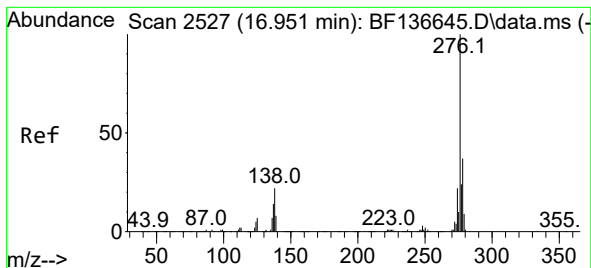
Ion Ratio Lower Upper

264 100

260 23.1 18.3 27.5

265 22.9 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.542 ng

RT: 16.974 min Scan# 21

Delta R.T. 0.024 min

Lab File: BF137007.D

Acq: 08 Jan 2024 21:37

Instrument :

BNA_F

ClientSampleId :

MR-311P-0-2

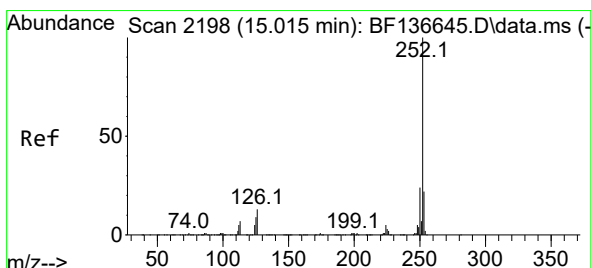
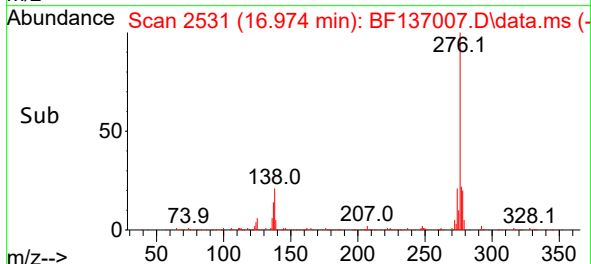
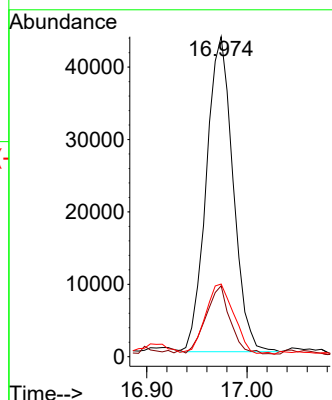
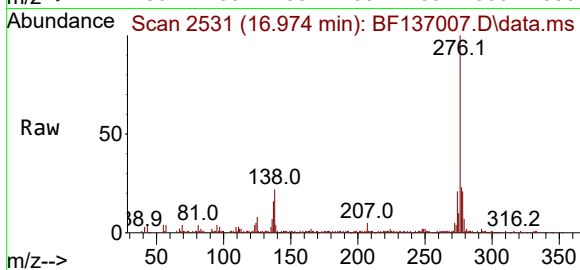
Tgt Ion:276 Resp: 80736

Ion Ratio Lower Upper

276 100

138 20.5 18.7 28.1

277 22.8 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 45.231 ng

RT: 15.021 min Scan# 2199

Delta R.T. 0.006 min

Lab File: BF137007.D

Acq: 08 Jan 2024 21:37

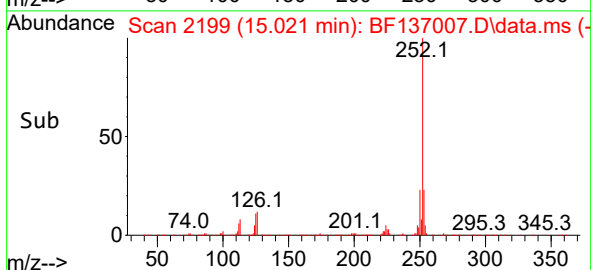
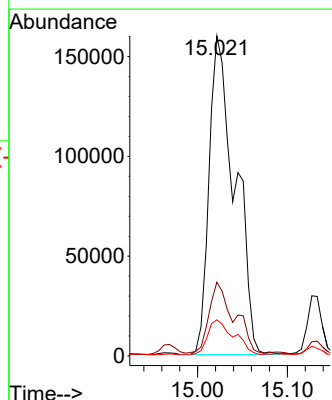
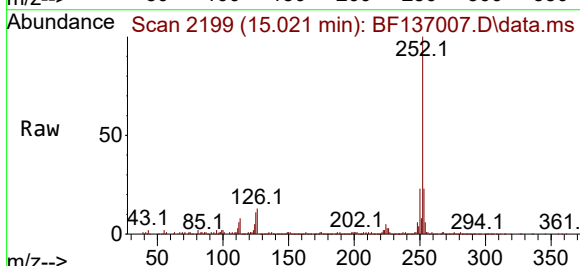
Tgt Ion:252 Resp: 320444

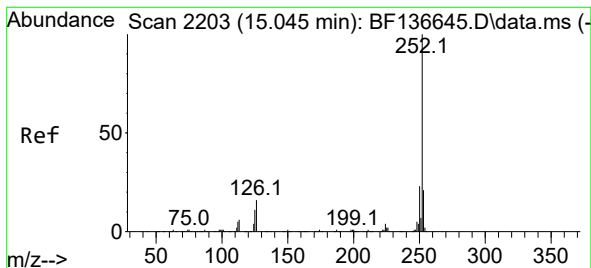
Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.0

125 11.3 7.4 11.2#





#89

Benzo(k)fluoranthene

Concen: 47.868 ng

RT: 15.021 min Scan# 2199

Delta R.T. -0.023 min

Lab File: BF137007.D

Acq: 08 Jan 2024 21:37

Instrument :

BNA_F

ClientSampleId :

MR-311P-0-2

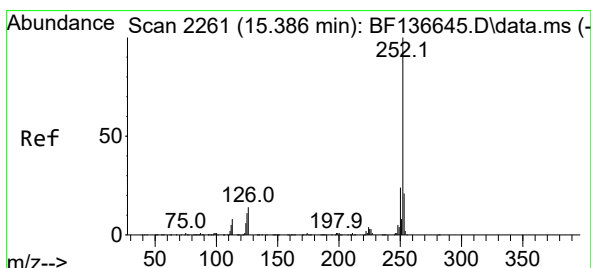
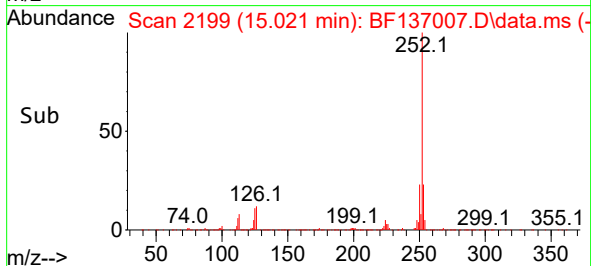
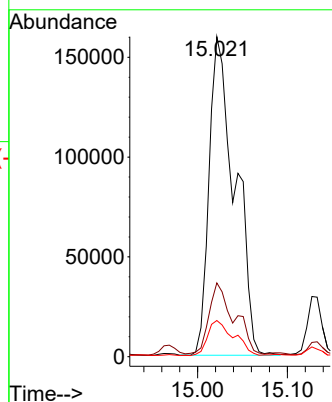
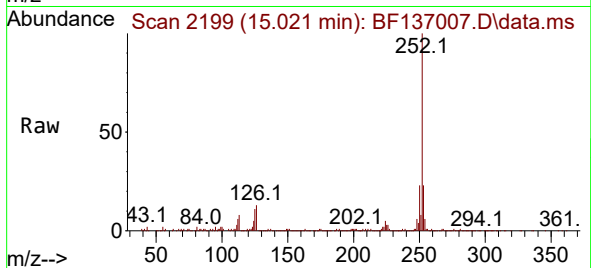
Tgt Ion:252 Resp: 320444

Ion Ratio Lower Upper

252 100

253 23.1 17.0 25.6

125 11.3 8.2 12.4



#90

Benzo(a)pyrene

Concen: 29.107 ng

RT: 15.392 min Scan# 2262

Delta R.T. 0.006 min

Lab File: BF137007.D

Acq: 08 Jan 2024 21:37

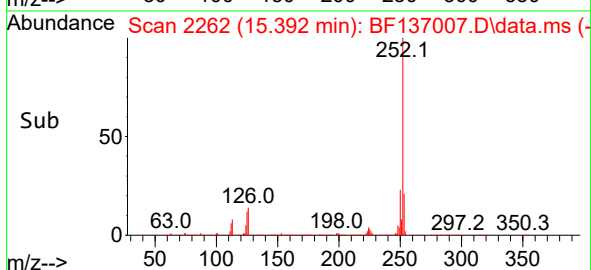
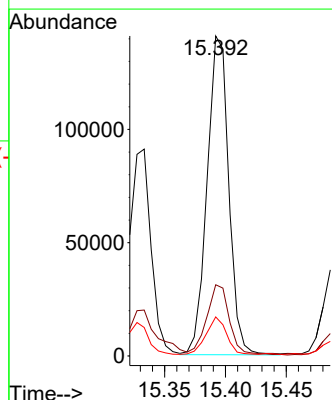
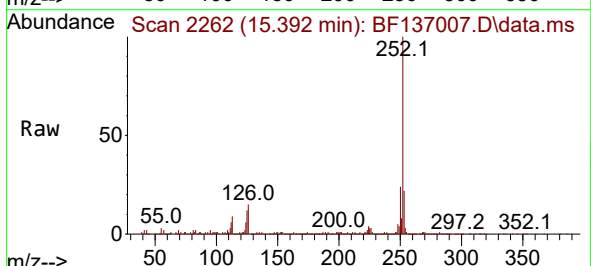
Tgt Ion:252 Resp: 174064

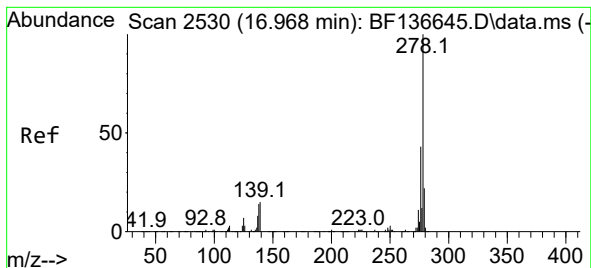
Ion Ratio Lower Upper

252 100

253 22.3 17.0 25.6

125 12.2 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 2.991 ng

RT: 17.157 min Scan# 21

Delta R.T. 0.188 min

Lab File: BF137007.D

Acq: 08 Jan 2024 21:37

Instrument :

BNA_F

ClientSampleId :

MR-311P-0-2

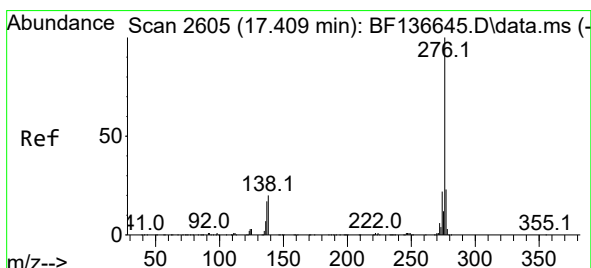
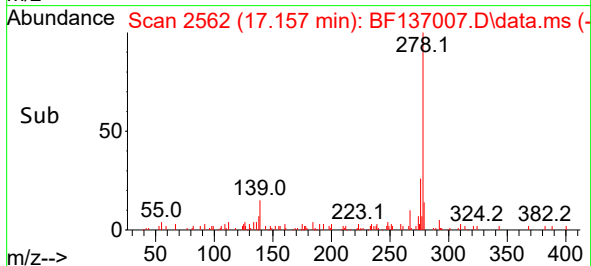
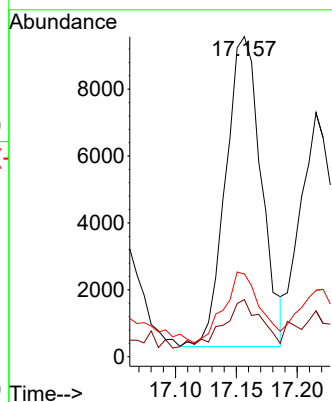
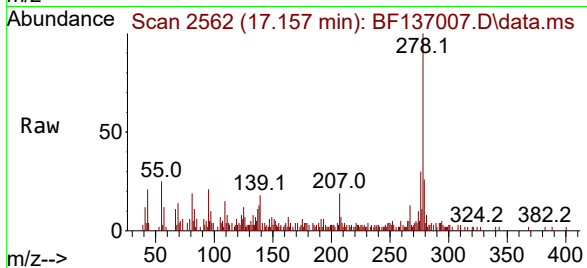
Tgt Ion:278 Resp: 18790

Ion Ratio Lower Upper

278 100

139 17.8 12.2 18.4

279 25.9 17.8 26.6



#92

Benzo(g,h,i)perylene

Concen: 11.706 ng

RT: 17.433 min Scan# 2609

Delta R.T. 0.024 min

Lab File: BF137007.D

Acq: 08 Jan 2024 21:37

Tgt Ion:276 Resp: 75330

Ion Ratio Lower Upper

276 100

277 26.3 18.3 27.5

138 22.1 15.6 23.4

