

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030524\
 Data File : BF137508.D
 Acq On : 05 Mar 2024 19:06
 Operator : CG\JU
 Sample : P1672-09 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Quant Time: Mar 05 23:59:59 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 04 00:26:53 2024
 Response via : Initial Calibration

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

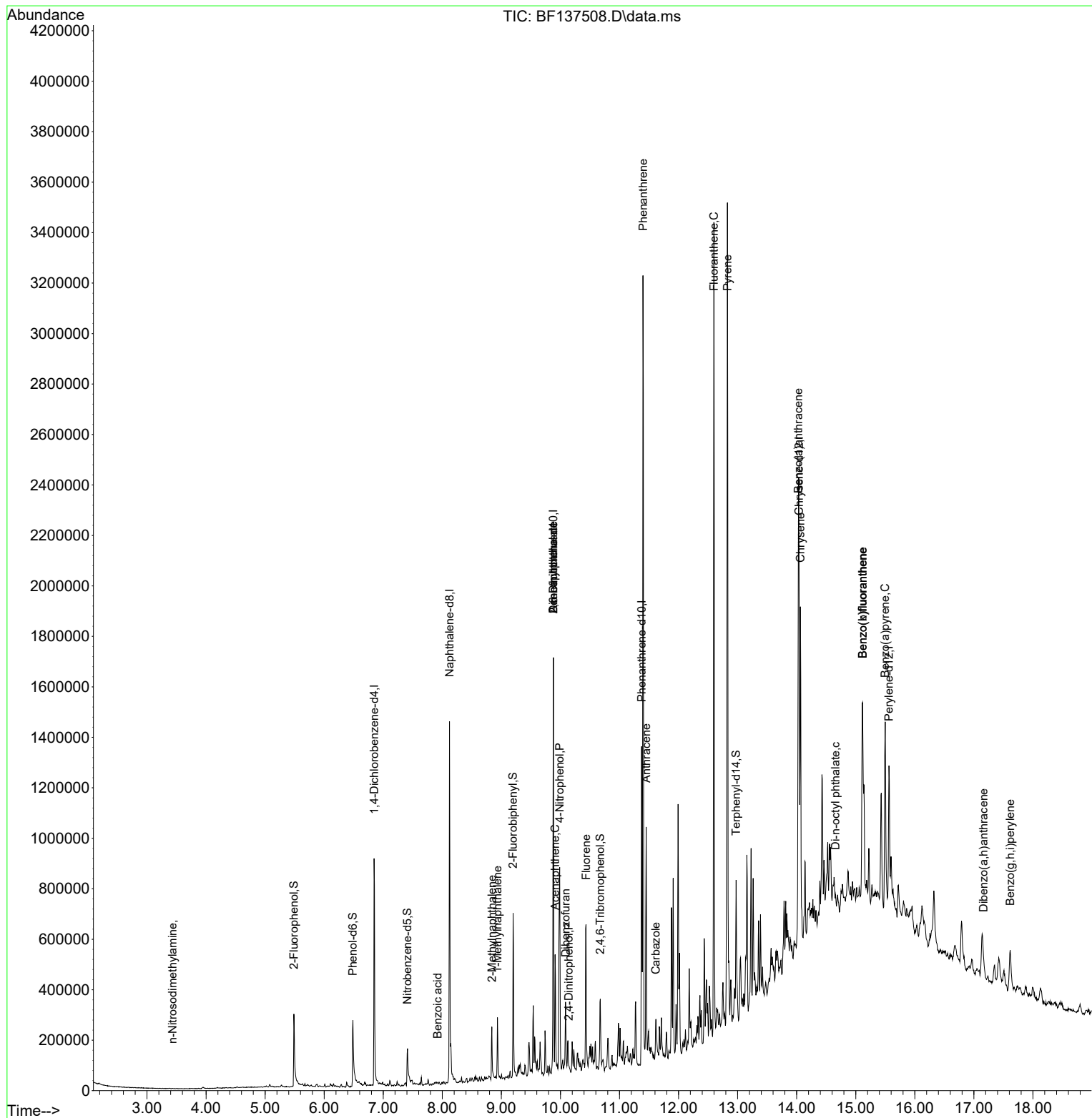
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	146128	20.000	ng	-0.02
21) Naphthalene-d8	8.122	136	576519	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	299912	20.000	ng	-0.01
64) Phenanthrene-d10	11.374	188	439475	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	338970	20.000	ng	-0.01
86) Perylene-d12	15.562	264	281159	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	120847	12.525	ng	-0.02
7) Phenol-d6	6.486	99	168364	12.089	ng	-0.02
23) Nitrobenzene-d5	7.410	82	86846	6.999	ng	-0.02
42) 2,4,6-Tribromophenol	10.674	330	22149	8.410	ng	-0.02
45) 2-Fluorobiphenyl	9.198	172	201326	10.508	ng	-0.02
79) Terphenyl-d14	12.974	244	171478	6.956	ng	-0.02
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.434	42	142	3.834	ng	# 1
32) Benzoic acid	7.922	122	56	6.308	ng	# 1
37) 2-Methylnaphthalene	8.839	142	64849	3.289	ng	97
38) 1-Methylnaphthalene	8.933	142	62043	3.341	ng	97
50) Dimethylphthalate	9.880	163	49518	2.372	ng	# 1
51) 2,6-Dinitrotoluene	9.880	165	41694	9.548	ng	# 21
52) Acenaphthene	9.910	154	91938	5.750	ng	96
54) 2,4-Dinitrophenol	10.139	184	59	8.250	ng	# 1
55) Dibenzofuran	10.086	168	77805	3.195	ng	# 95
56) 4-Nitrophenol	9.986	139	2105	5.131	ng	# 1
58) Fluorene	10.433	166	172145	9.204	ng	100
71) Phenanthrene	11.398	178	1175203	49.136	ng	99
72) Anthracene	11.451	178	374753	15.256	ng	99
73) Carbazole	11.616	167	72282	3.435	ng	99
75) Fluoranthene	12.598	202	1218871	52.137	ng	99
78) Pyrene	12.827	202	1314891	39.533	ng	99
81) Benzo(a)anthracene	14.027	228	614795	25.877	ng	99
83) Chrysene	14.062	228	539602	22.472	ng	97
85) Di-n-octyl phthalate	14.657	149	1646	5.677	ng	# 72
88) Benzo(b)fluoranthene	15.115	252	654833	39.373	ng	95
89) Benzo(k)fluoranthene	15.115	252	654833	36.657	ng	# 94
90) Benzo(a)pyrene	15.498	252	366727	22.376	ng	98
91) Dibenzo(a,h)anthracene	17.162	278	32191	2.145	ng	# 74
92) Benzo(g,h,i)perylene	17.615	276	143954	9.339	ng	98

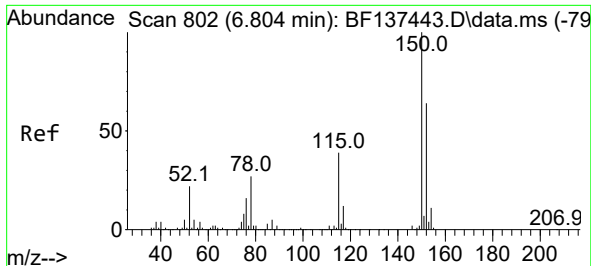
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030524\
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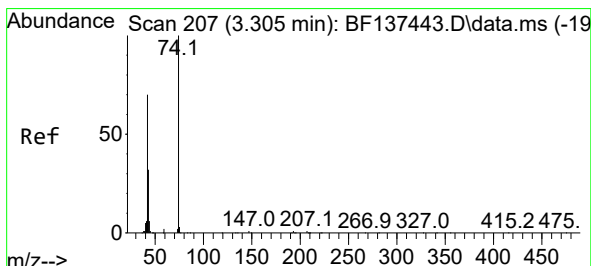
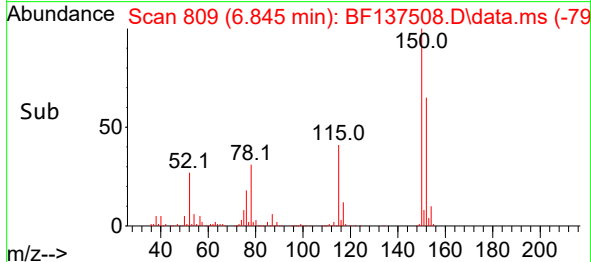
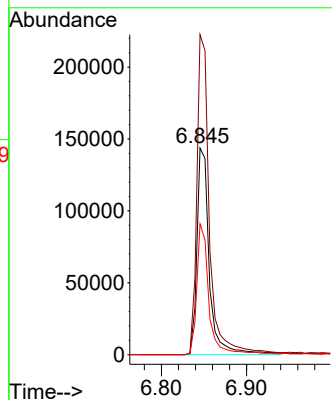
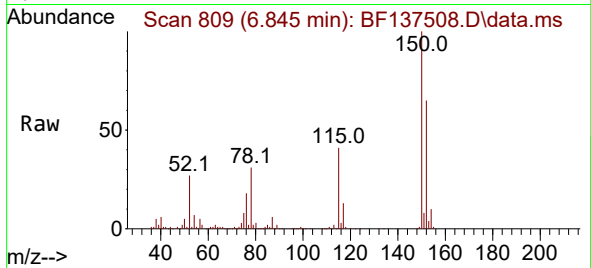




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 80
Delta R.T. -0.018 min
Lab File: BF137508.D
Acq: 05 Mar 2024 19:06

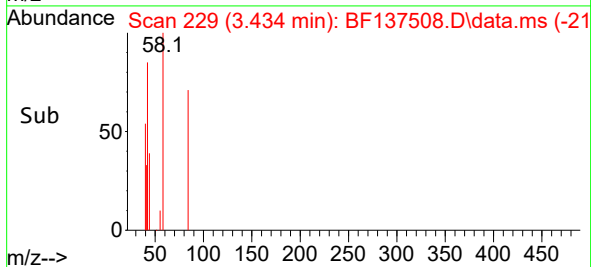
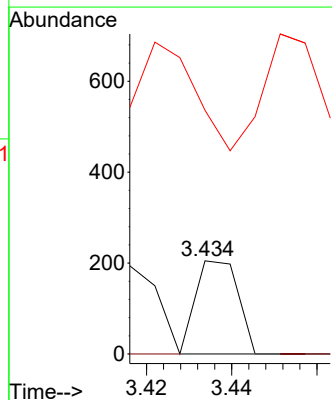
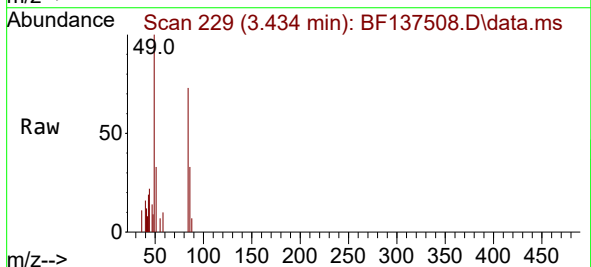
Instrument :
BNA_F
ClientSampleId :
TP-5

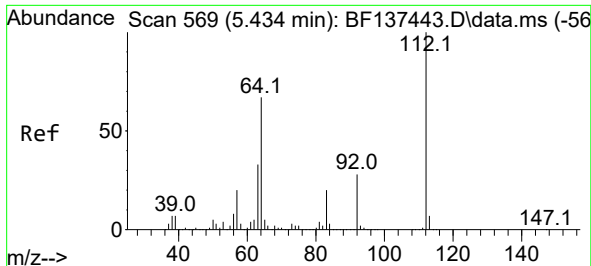
Tgt Ion:152 Resp: 146128
Ion Ratio Lower Upper
152 100
150 154.9 125.8 188.6
115 63.3 48.8 73.2



#4
n-Nitrosodimethylamine
Concen: 3.834 ng
RT: 3.434 min Scan# 229
Delta R.T. -0.012 min
Lab File: BF137508.D
Acq: 05 Mar 2024 19:06

Tgt Ion: 42 Resp: 142
Ion Ratio Lower Upper
42 100
74 0.0 114.0 171.0#
44 261.5 7.0 10.4#

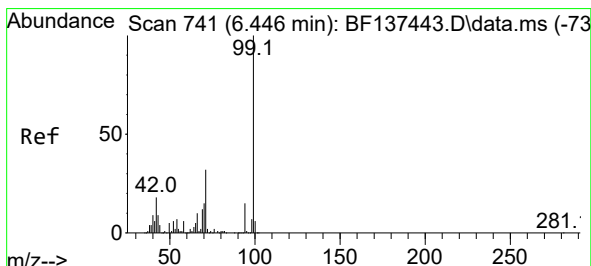
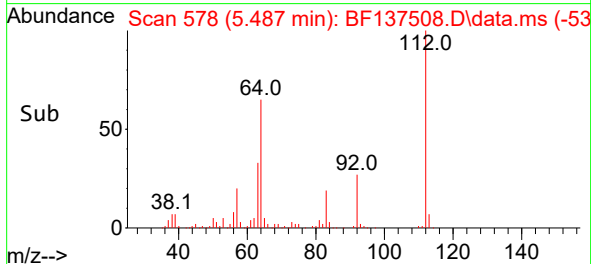
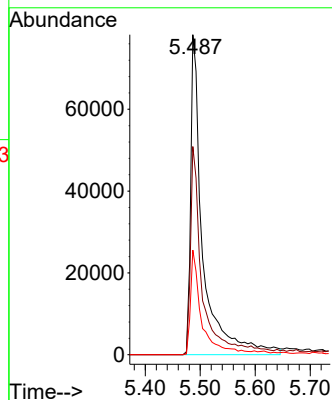
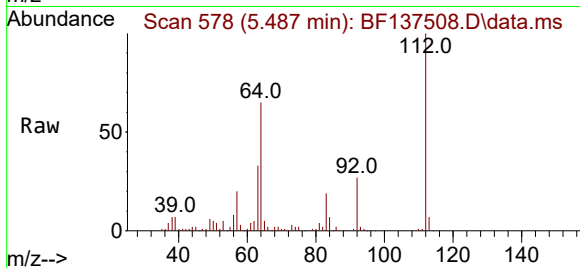




#5
2-Fluorophenol
Concen: 12.525 ng
RT: 5.487 min Scan# 51
Delta R.T. -0.024 min
Lab File: BF137508.D
Acq: 05 Mar 2024 19:06

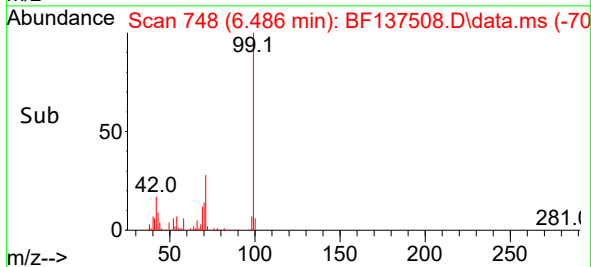
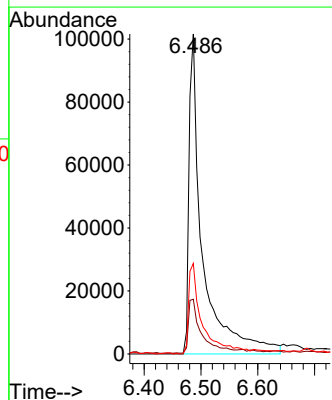
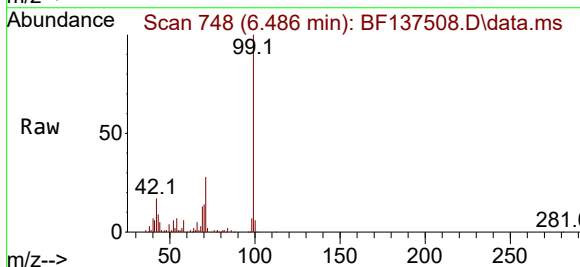
Instrument :
BNA_F
ClientSampleId :
TP-5

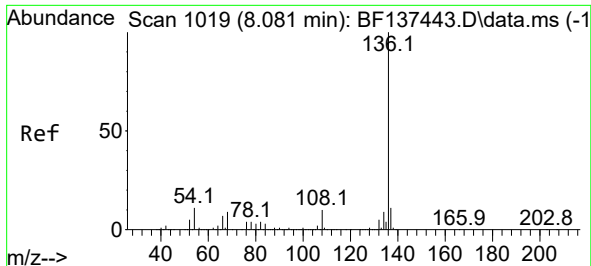
Tgt Ion:112 Resp: 120847
Ion Ratio Lower Upper
112 100
64 65.1 53.4 80.2
63 32.7 26.2 39.2



#7
Phenol-d6
Concen: 12.089 ng
RT: 6.486 min Scan# 748
Delta R.T. -0.018 min
Lab File: BF137508.D
Acq: 05 Mar 2024 19:06

Tgt Ion: 99 Resp: 168364
Ion Ratio Lower Upper
99 100
42 17.1 14.6 21.8
71 28.3 25.3 37.9





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.122 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF137508.D

Acq: 05 Mar 2024 19:06

Instrument :

BNA_F

ClientSampleId :

TP-5

Tgt Ion:136 Resp: 576519

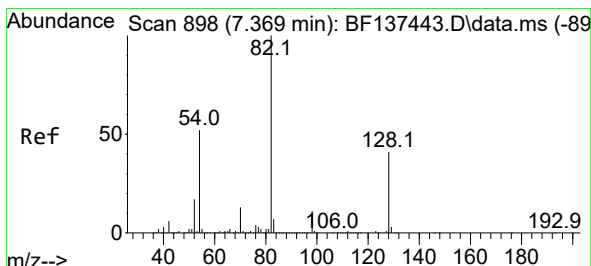
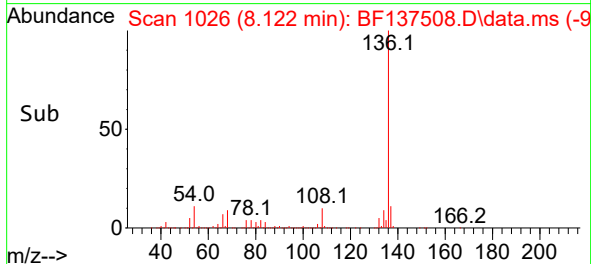
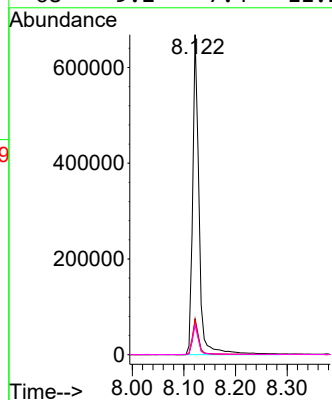
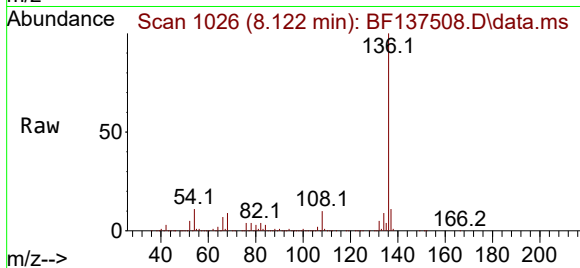
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 10.6 8.5 12.7

68 9.2 7.4 11.2



#23

Nitrobenzene-d5

Concen: 6.999 ng

RT: 7.410 min Scan# 905

Delta R.T. -0.018 min

Lab File: BF137508.D

Acq: 05 Mar 2024 19:06

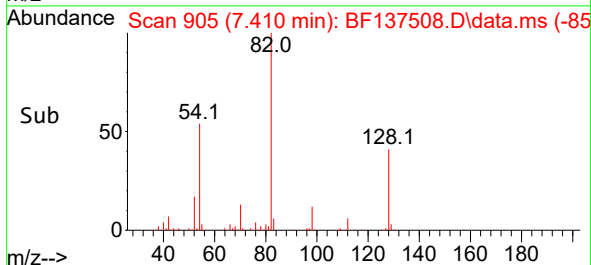
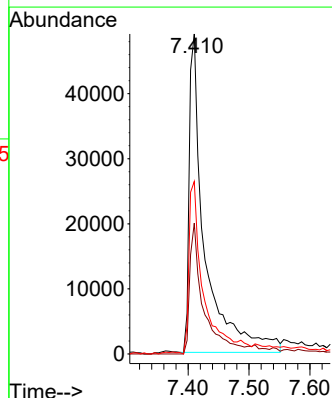
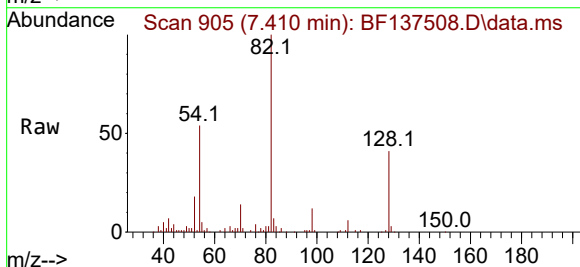
Tgt Ion: 82 Resp: 86846

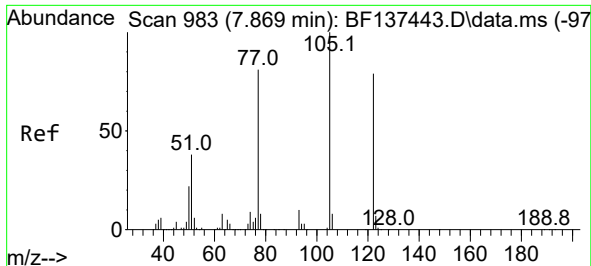
Ion Ratio Lower Upper

82 100

128 40.9 32.5 48.7

54 53.9 41.5 62.3

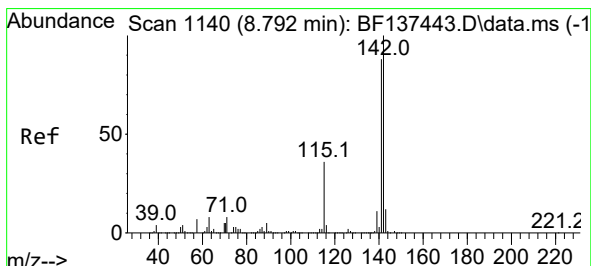
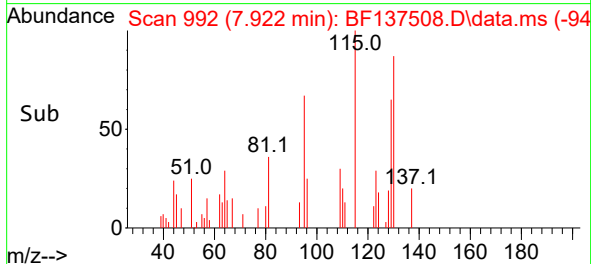
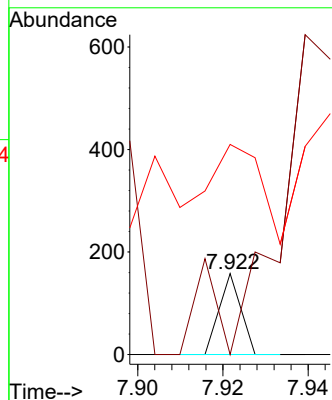
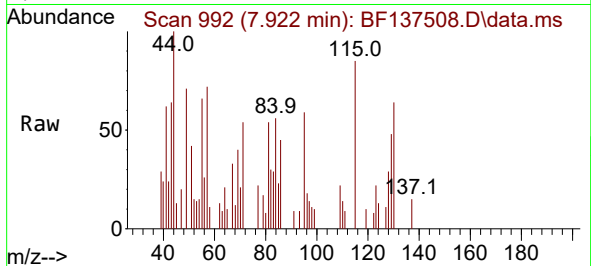




#32
Benzoic acid
Concen: 6.308 ng
RT: 7.922 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF137508.D
Acq: 05 Mar 2024 19:06

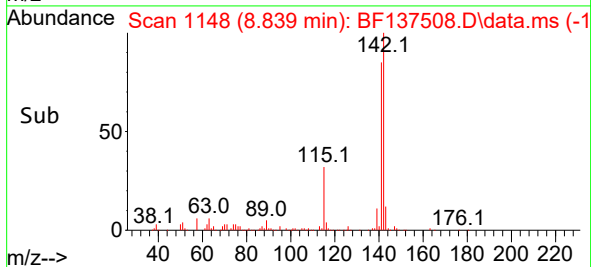
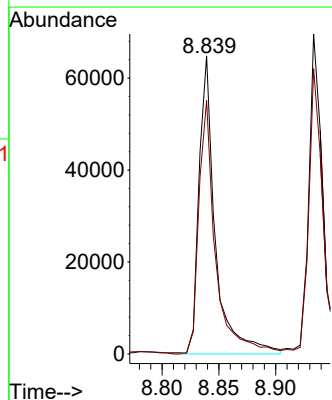
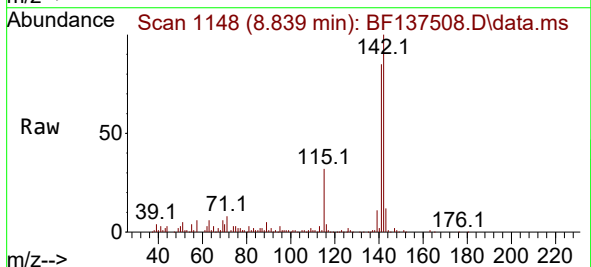
Instrument :
BNA_F
ClientSampleId :
TP-5

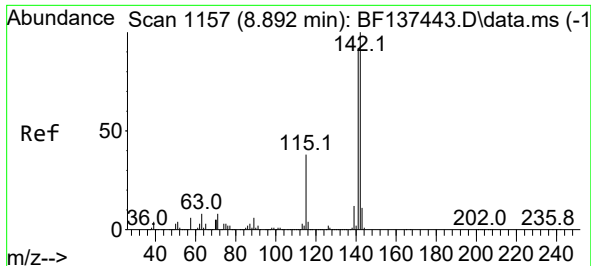
Tgt Ion:122 Resp: 56
Ion Ratio Lower Upper
122 100
105 0.0 102.4 142.4#
77 259.5 81.1 121.1#



#37
2-Methylnaphthalene
Concen: 3.289 ng
RT: 8.839 min Scan# 1148
Delta R.T. -0.012 min
Lab File: BF137508.D
Acq: 05 Mar 2024 19:06

Tgt Ion:142 Resp: 64849
Ion Ratio Lower Upper
142 100
141 85.1 70.4 105.6





#38

1-Methylnaphthalene

Concen: 3.341 ng

RT: 8.933 min Scan# 1164

Delta R.T. -0.012 min

Lab File: BF137508.D

Acq: 05 Mar 2024 19:06

Instrument :

BNA_F

ClientSampleId :

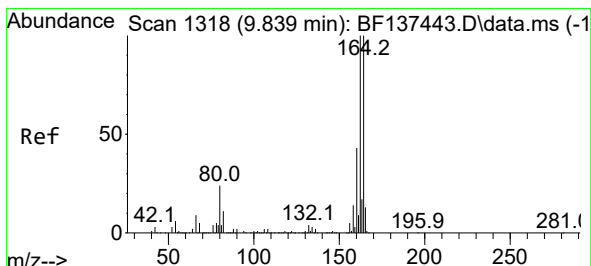
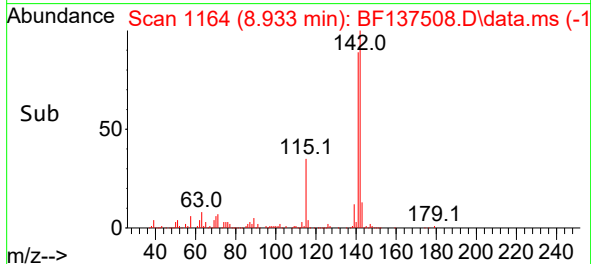
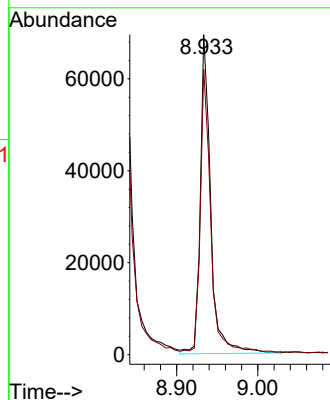
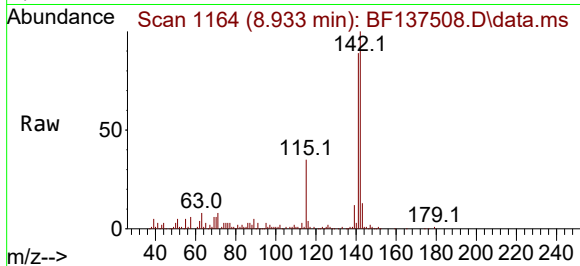
TP-5

Tgt Ion:142 Resp: 62043

Ion Ratio Lower Upper

142 100

141 89.1 73.4 110.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.880 min Scan# 1325

Delta R.T. -0.012 min

Lab File: BF137508.D

Acq: 05 Mar 2024 19:06

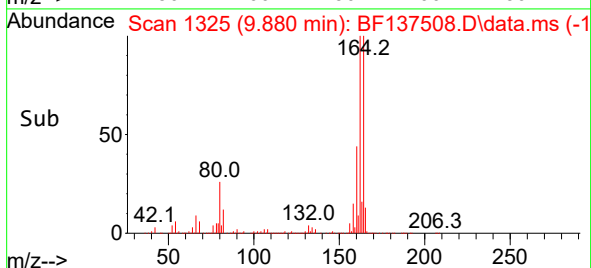
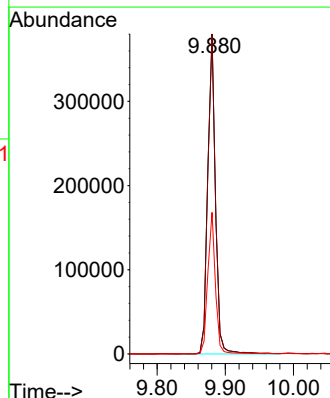
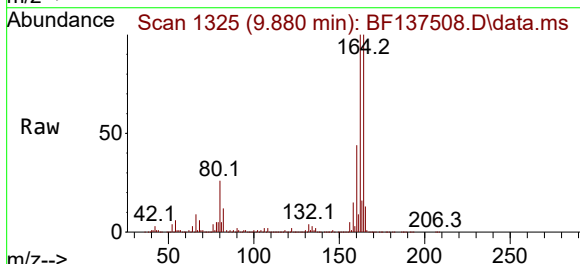
Tgt Ion:164 Resp: 299912

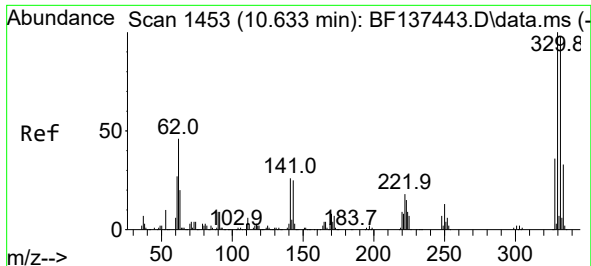
Ion Ratio Lower Upper

164 100

162 99.8 79.8 119.8

160 44.2 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 8.410 ng

RT: 10.674 min Scan# 1453

Delta R.T. -0.018 min

Lab File: BF137508.D

Acq: 05 Mar 2024 19:06

Instrument :

BNA_F

ClientSampleId :

TP-5

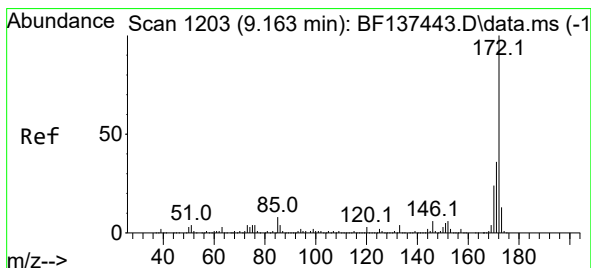
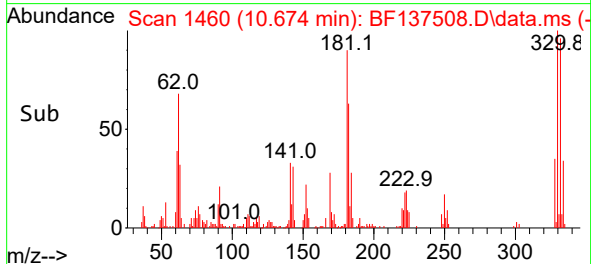
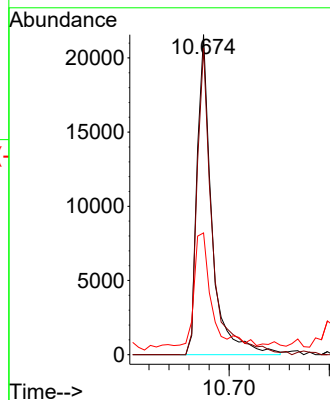
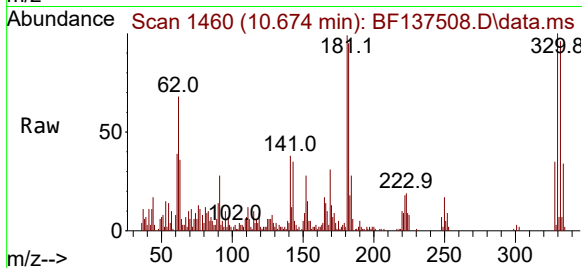
Tgt Ion:330 Resp: 22149

Ion Ratio Lower Upper

330 100

332 98.0 78.0 117.0

141 50.0 27.3 40.9#



#45

2-Fluorobiphenyl

Concen: 10.508 ng

RT: 9.198 min Scan# 1209

Delta R.T. -0.018 min

Lab File: BF137508.D

Acq: 05 Mar 2024 19:06

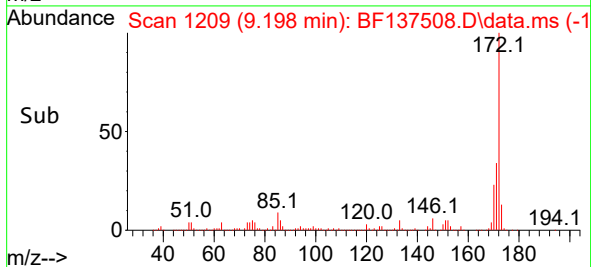
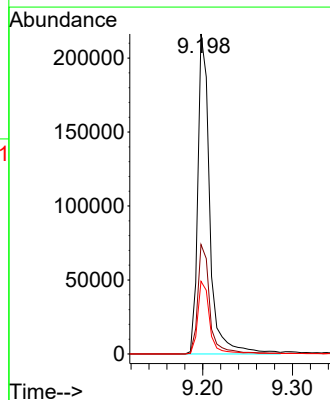
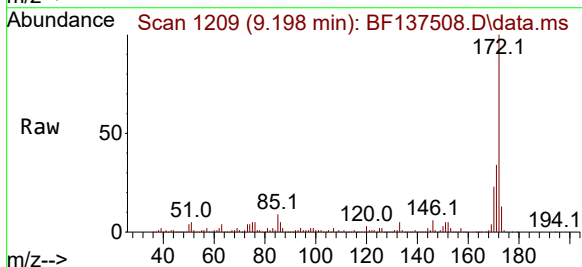
Tgt Ion:172 Resp: 201326

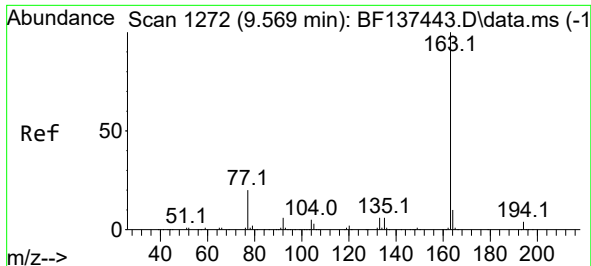
Ion Ratio Lower Upper

172 100

171 34.2 28.5 42.7

170 22.7 19.0 28.6

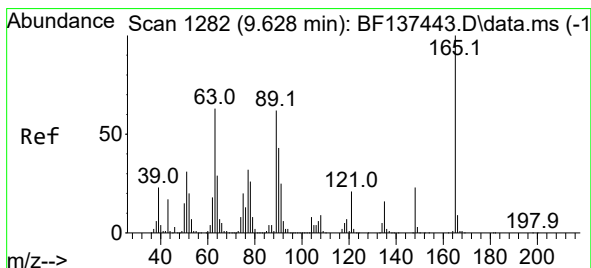
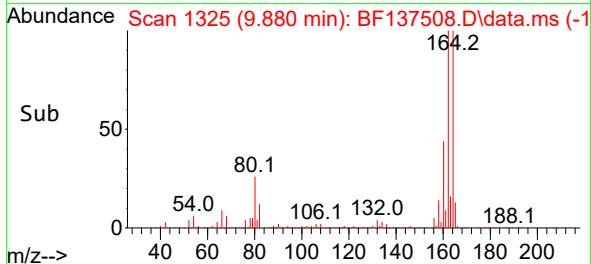
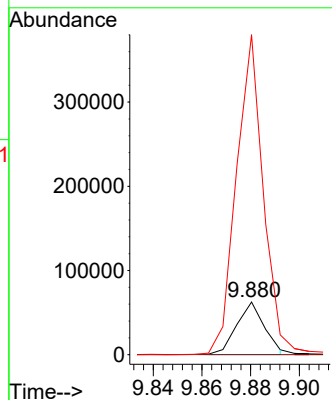
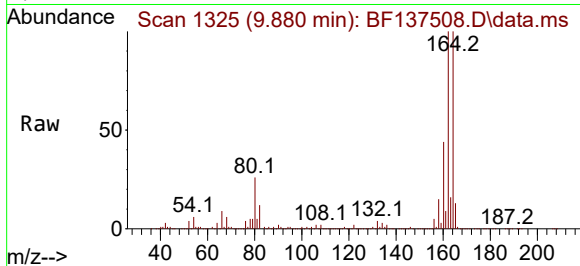




#50
Dimethylphthalate
Concen: 2.372 ng
RT: 9.880 min Scan# 1325
Delta R.T. 0.253 min
Lab File: BF137508.D
Acq: 05 Mar 2024 19:06

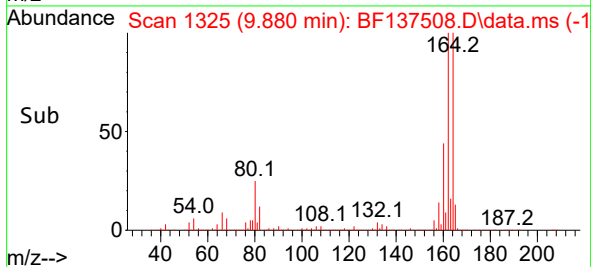
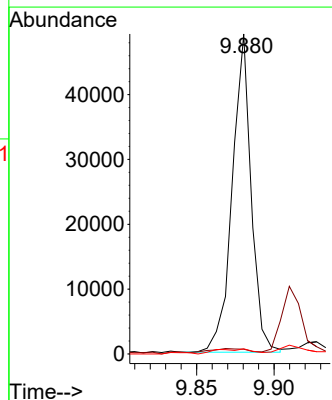
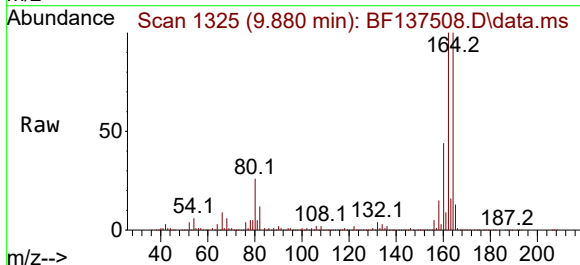
Instrument :
BNA_F
ClientSampleId :
TP-5

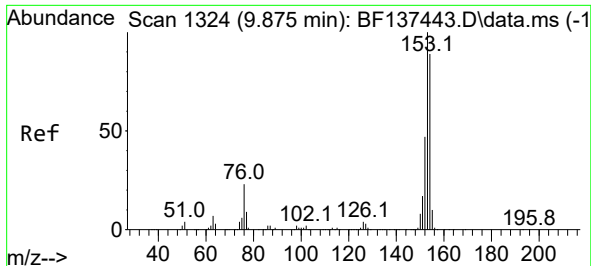
Tgt Ion:163 Resp: 49518
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 608.3 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 9.548 ng
RT: 9.880 min Scan# 1325
Delta R.T. 0.194 min
Lab File: BF137508.D
Acq: 05 Mar 2024 19:06

Tgt Ion:165 Resp: 41694
Ion Ratio Lower Upper
165 100
63 1.5 50.7 76.1#
89 1.6 50.0 75.0#

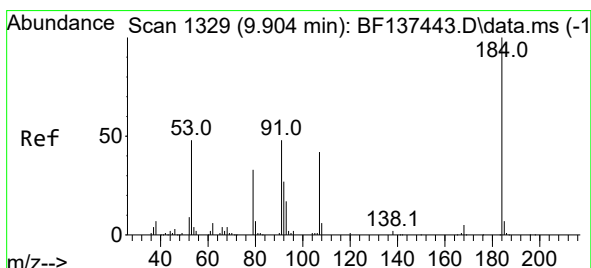
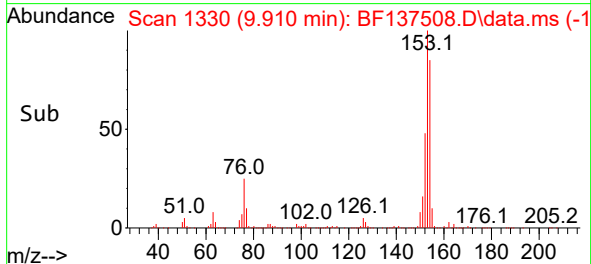
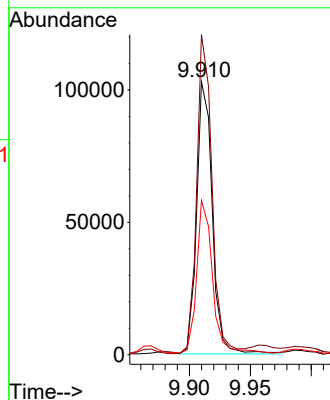
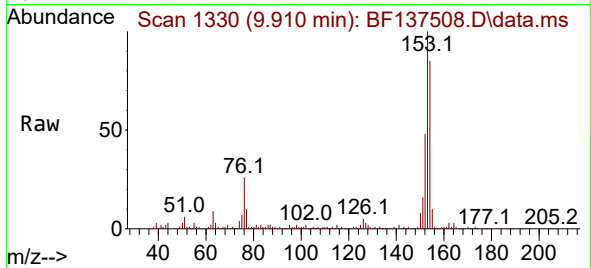




#52
Acenaphthene
Concen: 5.750 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.018 min
Lab File: BF137508.D
Acq: 05 Mar 2024 19:06

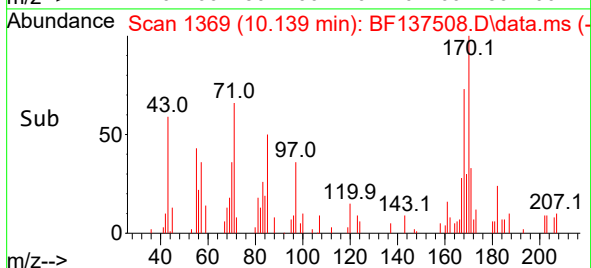
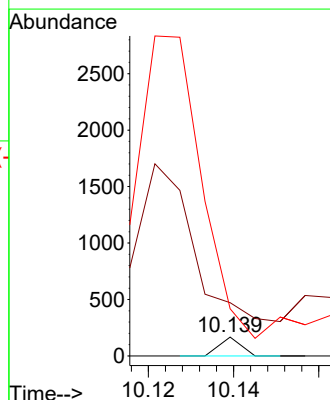
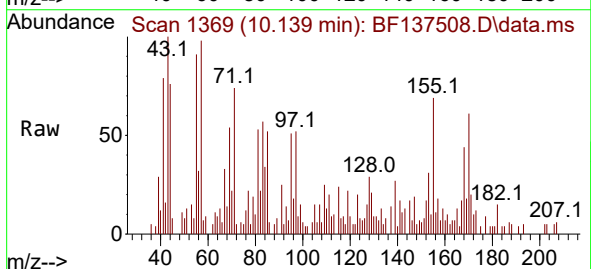
Instrument :
BNA_F
ClientSampleId :
TP-5

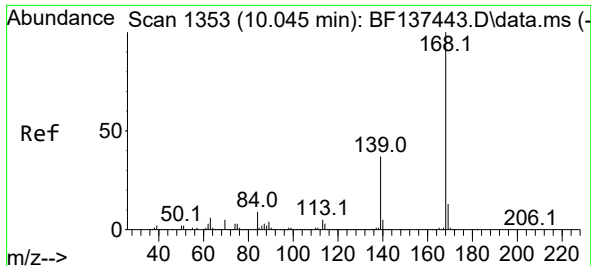
Tgt Ion:154 Resp: 91938
Ion Ratio Lower Upper
154 100
153 117.3 90.3 135.5
152 56.6 42.7 64.1



#54
2,4-Dinitrophenol
Concen: 8.250 ng
RT: 10.139 min Scan# 1369
Delta R.T. 0.176 min
Lab File: BF137508.D
Acq: 05 Mar 2024 19:06

Tgt Ion:184 Resp: 59
Ion Ratio Lower Upper
184 100
63 282.6 53.3 79.9#
154 250.3 47.4 71.0#

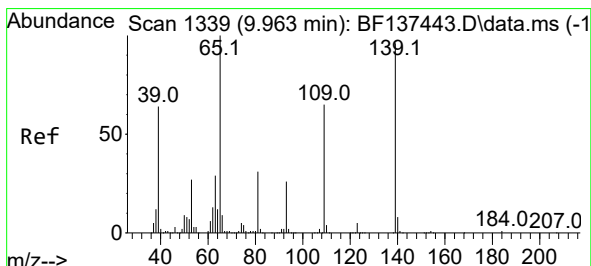
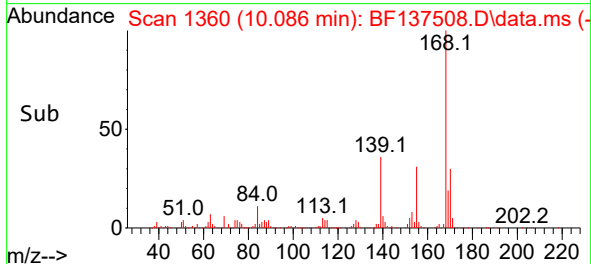
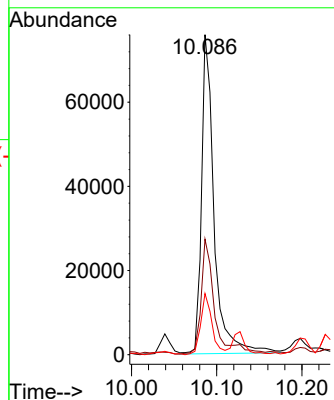
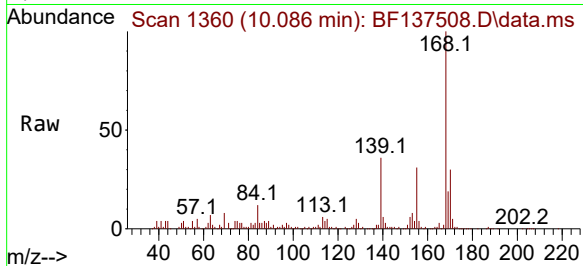




#55
Dibenzofuran
Concen: 3.195 ng
RT: 10.086 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF137508.D
Acq: 05 Mar 2024 19:06

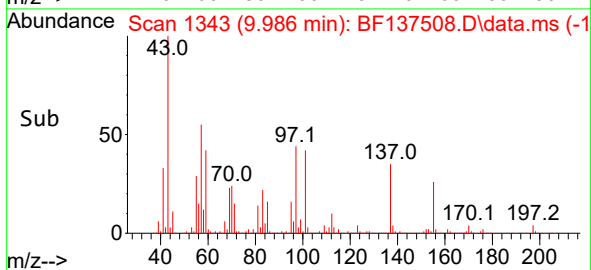
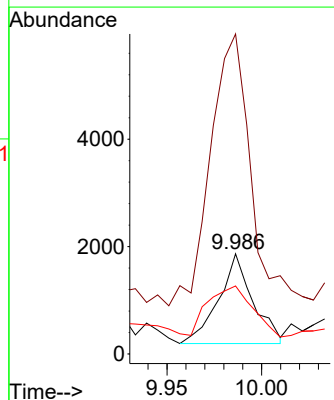
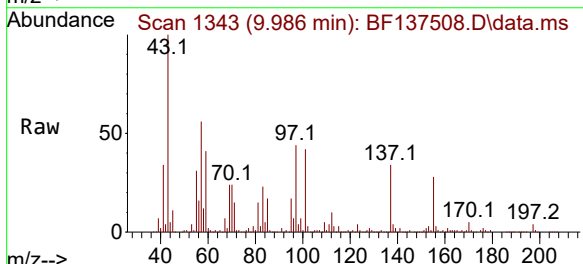
Instrument :
BNA_F
ClientSampleId :
TP-5

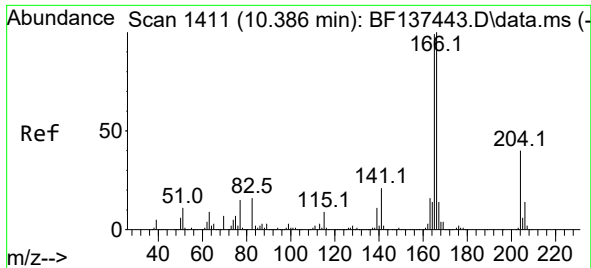
Tgt Ion:168 Resp: 77805
Ion Ratio Lower Upper
168 100
139 36.1 29.8 44.6
169 19.1 10.8 16.2#



#56
4-Nitrophenol
Concen: 5.131 ng
RT: 9.986 min Scan# 1343
Delta R.T. -0.035 min
Lab File: BF137508.D
Acq: 05 Mar 2024 19:06

Tgt Ion:139 Resp: 2105
Ion Ratio Lower Upper
139 100
109 319.4 47.1 87.1#
65 67.9 85.1 125.1#

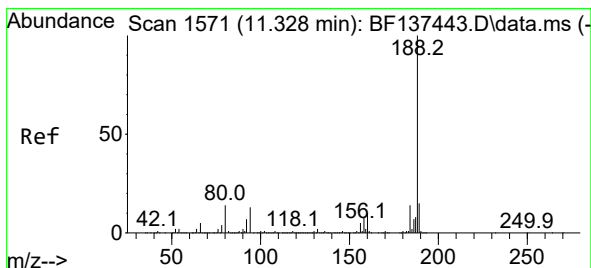
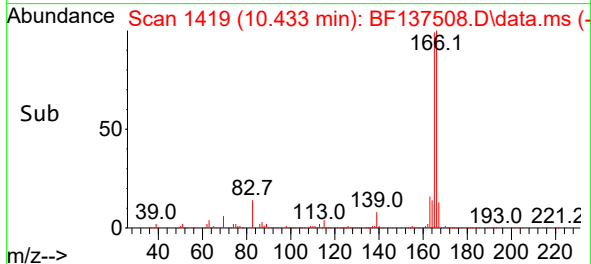
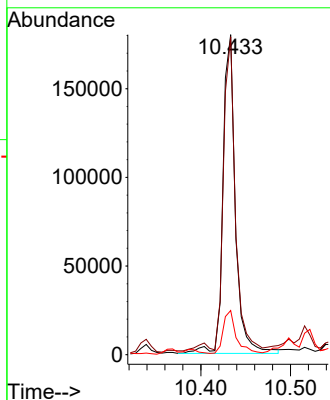
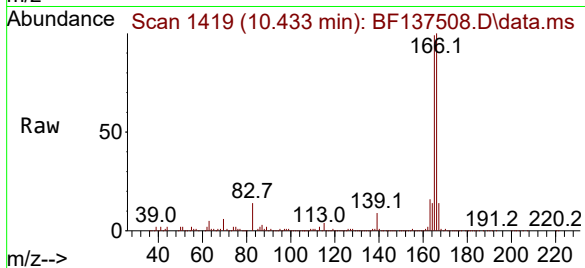




#58
Fluorene
Concen: 9.204 ng
RT: 10.433 min Scan# 1411
Delta R.T. -0.012 min
Lab File: BF137508.D
Acq: 05 Mar 2024 19:06

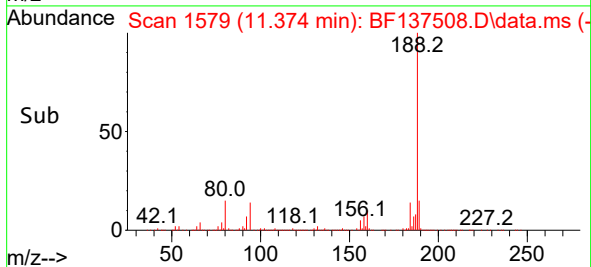
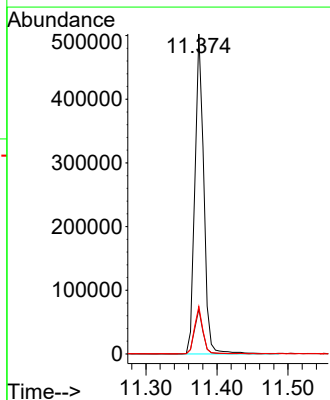
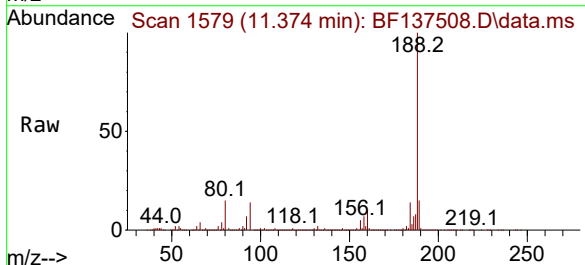
Instrument :
BNA_F
ClientSampleId :
TP-5

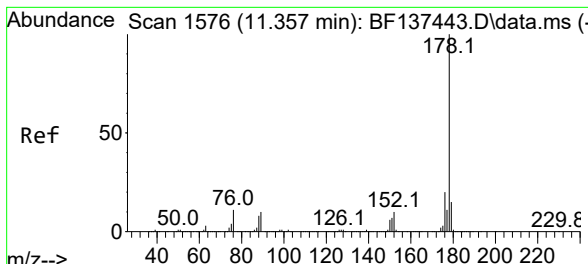
Tgt Ion:166 Resp: 172145
Ion Ratio Lower Upper
166 100
165 99.4 79.2 118.8
167 13.8 11.0 16.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1579
Delta R.T. -0.012 min
Lab File: BF137508.D
Acq: 05 Mar 2024 19:06

Tgt Ion:188 Resp: 439475
Ion Ratio Lower Upper
188 100
94 13.9 10.6 15.8
80 14.9 11.5 17.3



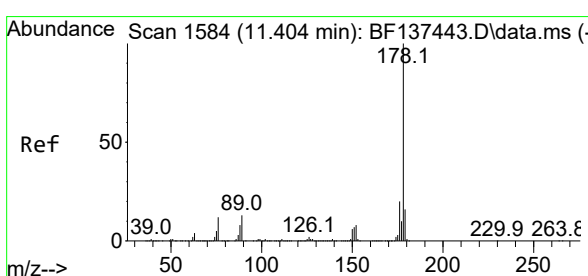
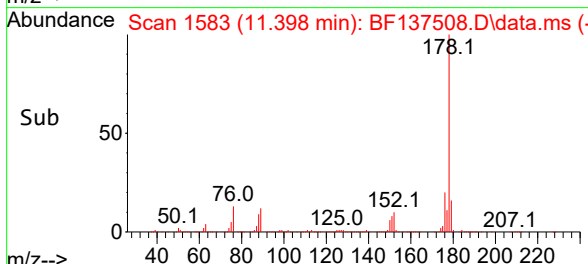
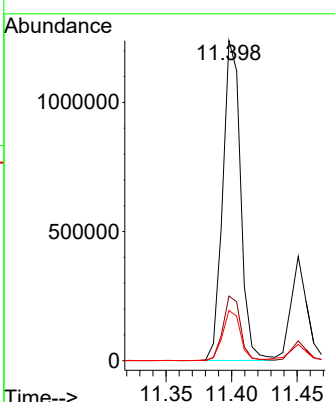
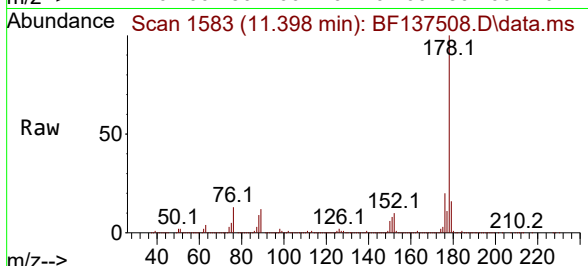


#71
 Phenanthrene
 Concen: 49.136 ng
 RT: 11.398 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF137508.D
 Acq: 05 Mar 2024 19:06

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Tgt Ion:178 Resp: 1175203

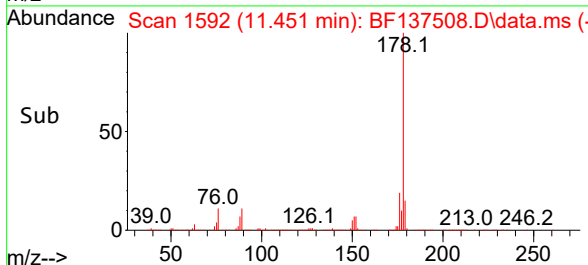
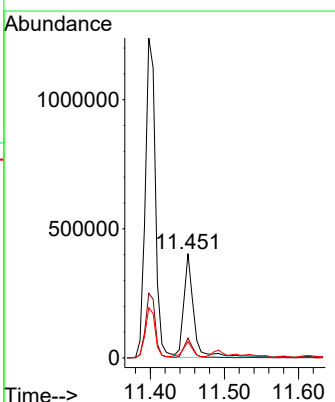
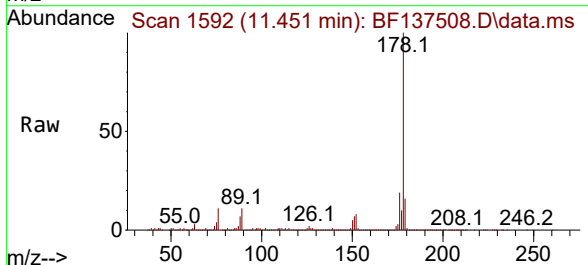
Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.8	23.8
179	15.7	12.2	18.2

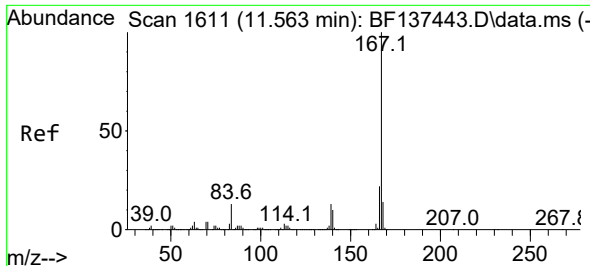


#72
 Anthracene
 Concen: 15.256 ng
 RT: 11.451 min Scan# 1592
 Delta R.T. -0.018 min
 Lab File: BF137508.D
 Acq: 05 Mar 2024 19:06

Tgt Ion:178 Resp: 374753

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.7	23.5
179	15.6	12.7	19.1

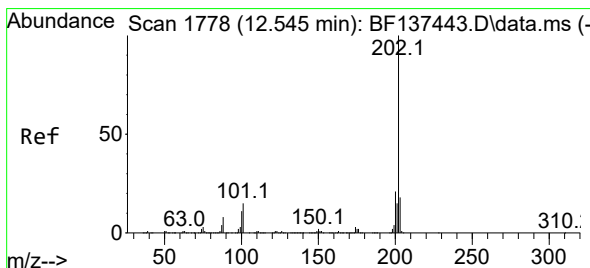
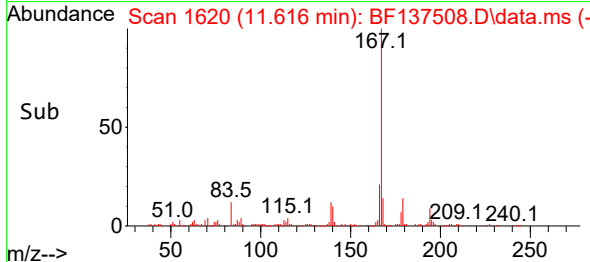
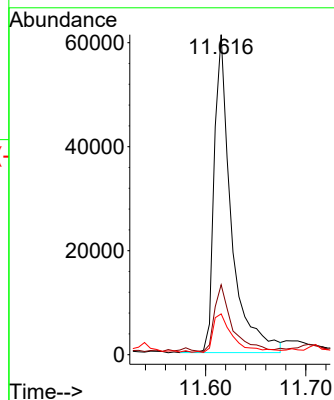
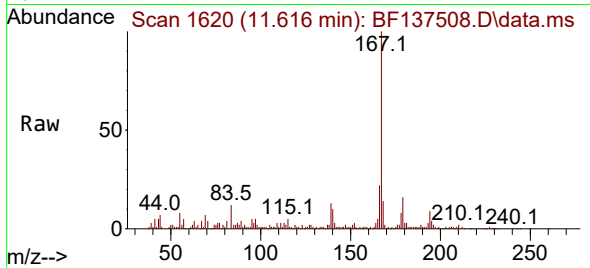




#73
 Carbazole
 Concen: 3.435 ng
 RT: 11.616 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: BF137508.D
 Acq: 05 Mar 2024 19:06

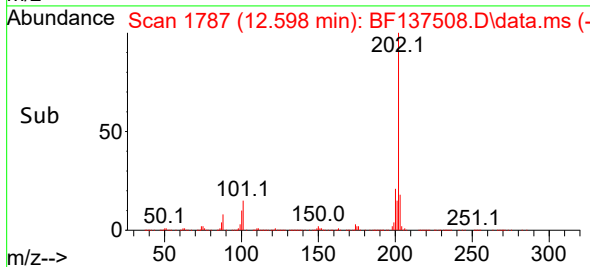
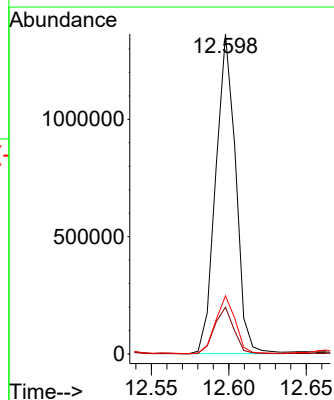
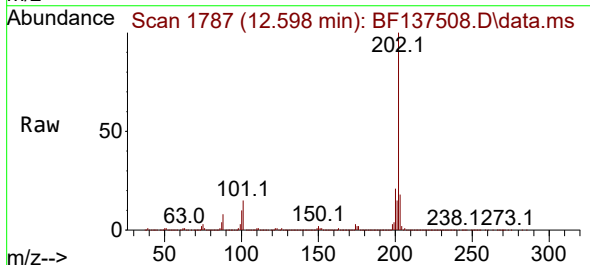
Instrument :
 BNA_F
 ClientSampleId :
 TP-5

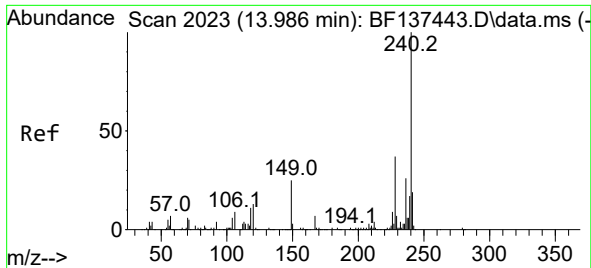
Tgt Ion:167	Resp: 72282
Ion Ratio	Lower Upper
167	100
166	21.9 17.8 26.8
139	12.7 10.5 15.7



#75
 Fluoranthene
 Concen: 52.137 ng
 RT: 12.598 min Scan# 1787
 Delta R.T. -0.012 min
 Lab File: BF137508.D
 Acq: 05 Mar 2024 19:06

Tgt Ion:202	Resp: 1218871
Ion Ratio	Lower Upper
202	100
101	14.6 0.0 35.0
203	18.2 0.0 37.7

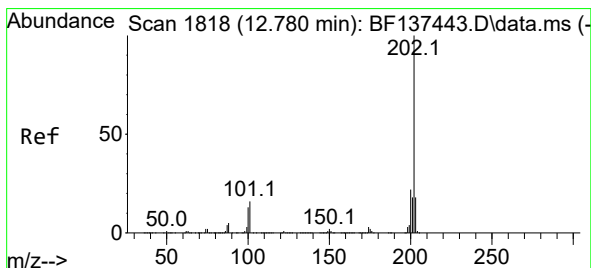
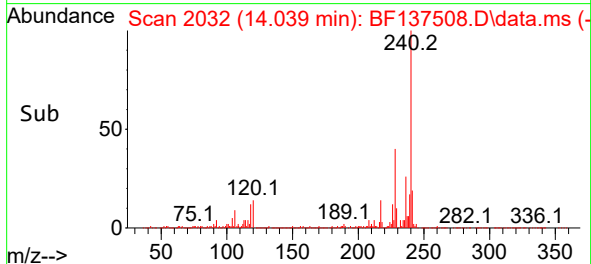
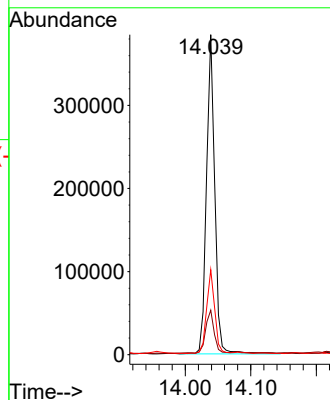
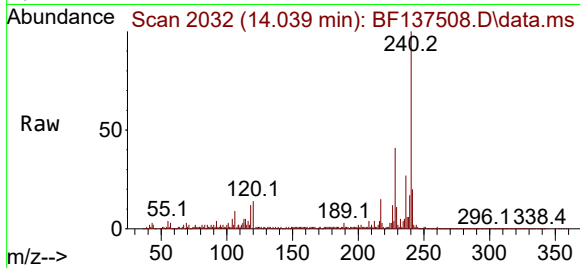




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF137508.D
Acq: 05 Mar 2024 19:06

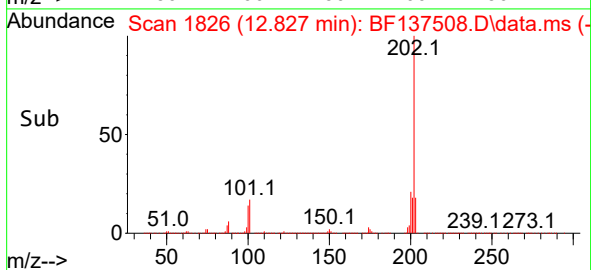
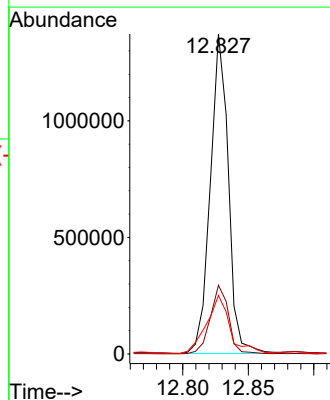
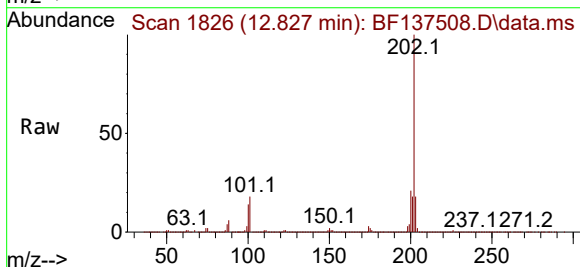
Instrument :
BNA_F
ClientSampleId :
TP-5

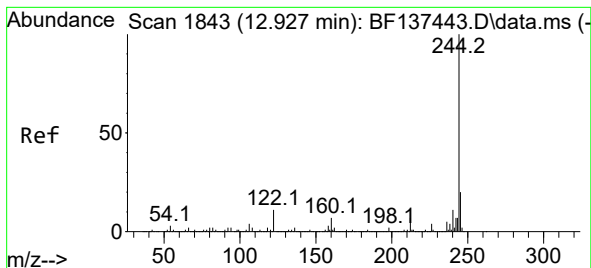
Tgt Ion:240 Resp: 338970
Ion Ratio Lower Upper
240 100
120 13.9 10.4 15.6
236 26.6 20.9 31.3



#78
Pyrene
Concen: 39.533 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.012 min
Lab File: BF137508.D
Acq: 05 Mar 2024 19:06

Tgt Ion:202 Resp: 1314891
Ion Ratio Lower Upper
202 100
200 21.5 17.4 26.2
203 18.3 14.1 21.1





#79

Terphenyl-d14

Concen: 6.956 ng

RT: 12.974 min Scan# 1851

Delta R.T. -0.018 min

Lab File: BF137508.D

Acq: 05 Mar 2024 19:06

Instrument :

BNA_F

ClientSampleId :

TP-5

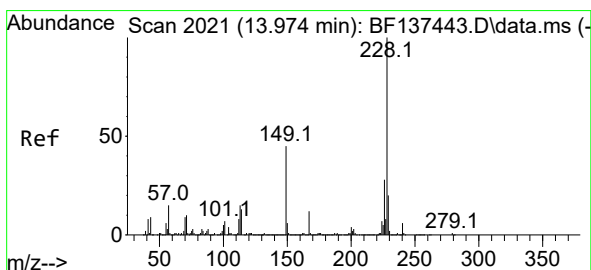
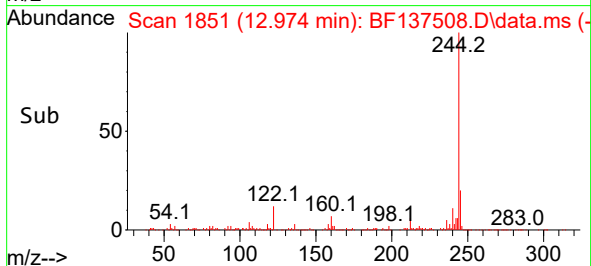
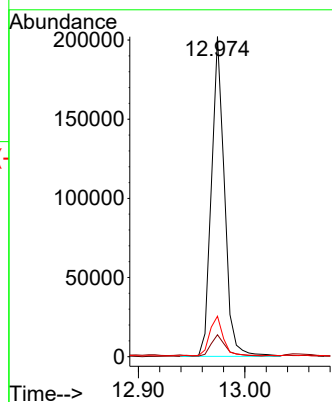
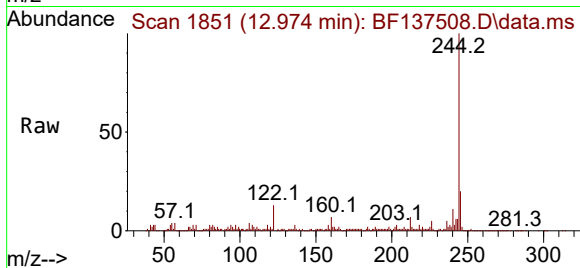
Tgt Ion:244 Resp: 171478

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.2

122 12.6 9.1 13.7



#81

Benzo(a)anthracene

Concen: 25.877 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.012 min

Lab File: BF137508.D

Acq: 05 Mar 2024 19:06

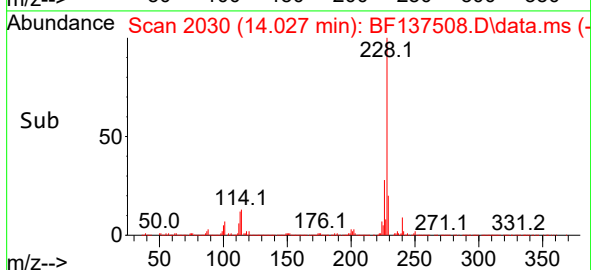
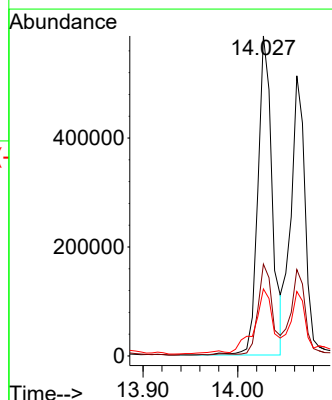
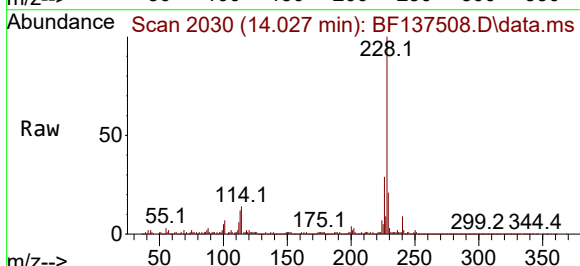
Tgt Ion:228 Resp: 614795

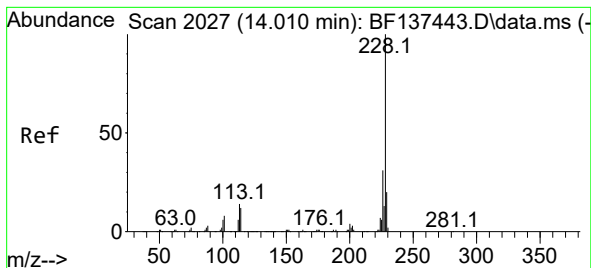
Ion Ratio Lower Upper

228 100

226 28.7 22.3 33.5

229 21.0 16.3 24.5





#83

Chrysene

Concen: 22.472 ng

RT: 14.062 min Scan# 2027

Delta R.T. -0.012 min

Lab File: BF137508.D

Acq: 05 Mar 2024 19:06

Instrument :

BNA_F

ClientSampleId :

TP-5

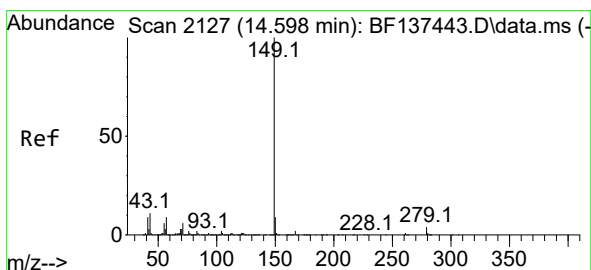
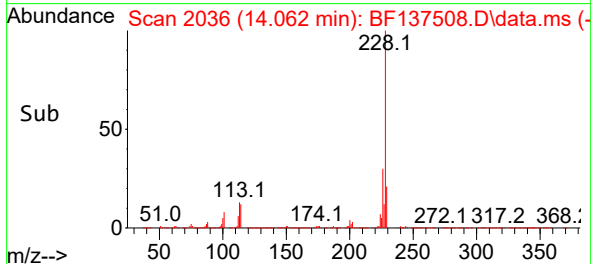
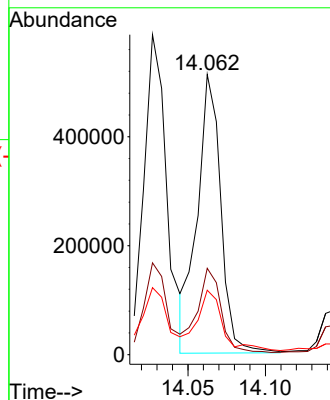
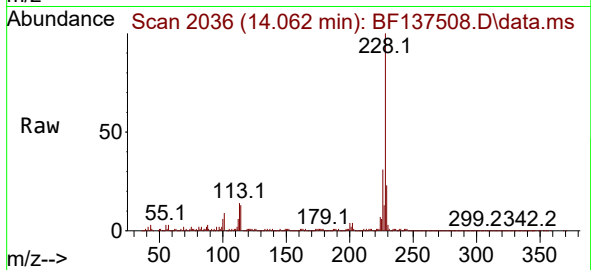
Tgt Ion:228 Resp: 539602

Ion Ratio Lower Upper

228 100

226 30.8 24.7 37.1

229 23.0 15.9 23.9



#85

Di-n-octyl phthalate

Concen: 5.677 ng

RT: 14.657 min Scan# 2137

Delta R.T. -0.006 min

Lab File: BF137508.D

Acq: 05 Mar 2024 19:06

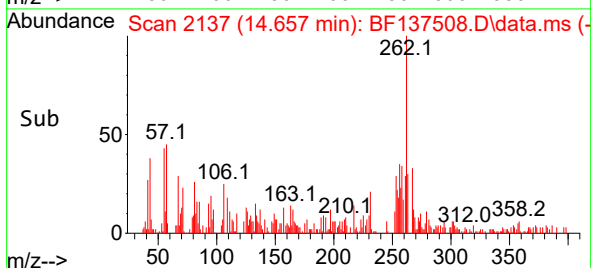
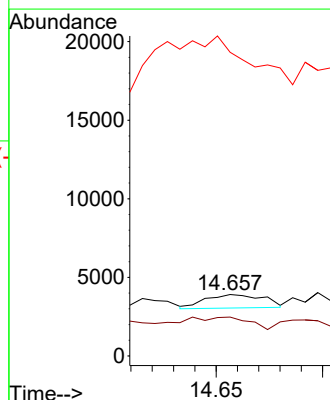
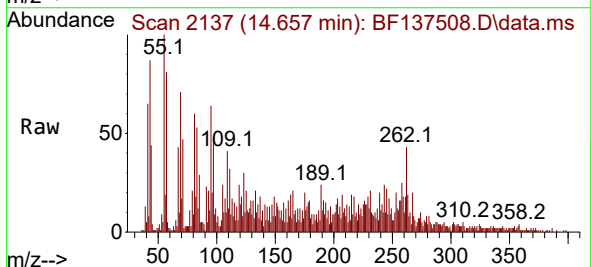
Tgt Ion:149 Resp: 1646

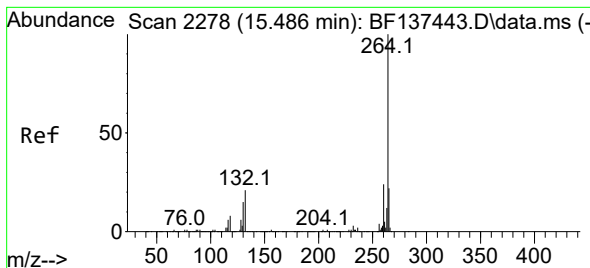
Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

43 0.0 9.6 14.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.562 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF137508.D

Acq: 05 Mar 2024 19:06

Instrument :

BNA_F

ClientSampleId :

TP-5

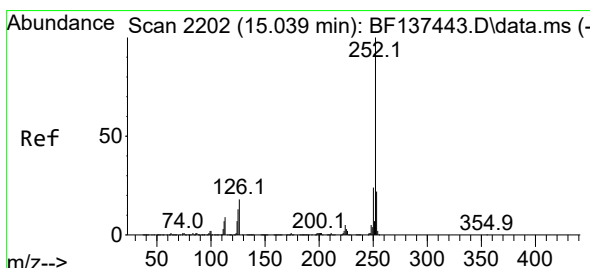
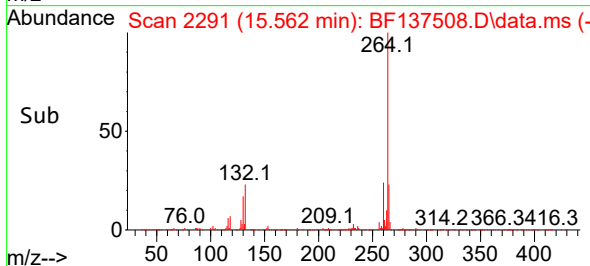
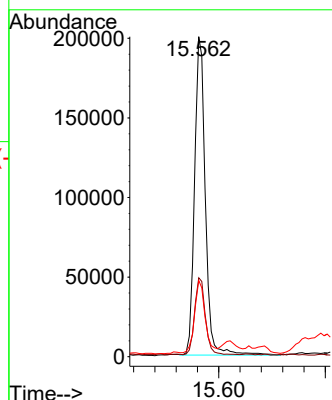
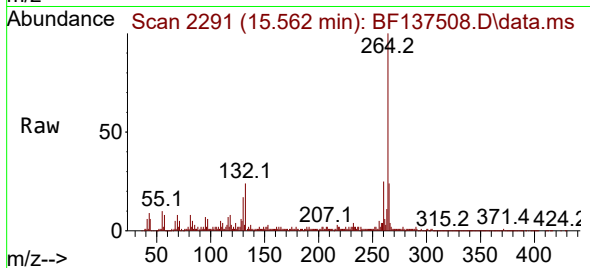
Tgt Ion:264 Resp: 281159

Ion Ratio Lower Upper

264 100

260 24.7 19.3 28.9

265 23.8 17.4 26.0



#88

Benzo(b)fluoranthene

Concen: 39.373 ng

RT: 15.115 min Scan# 2215

Delta R.T. -0.000 min

Lab File: BF137508.D

Acq: 05 Mar 2024 19:06

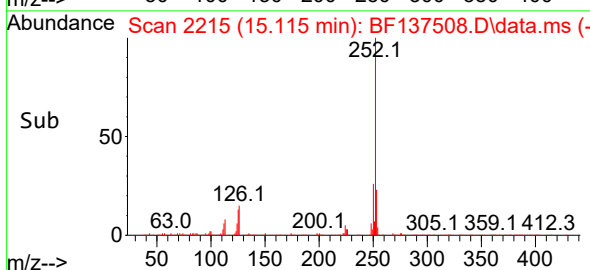
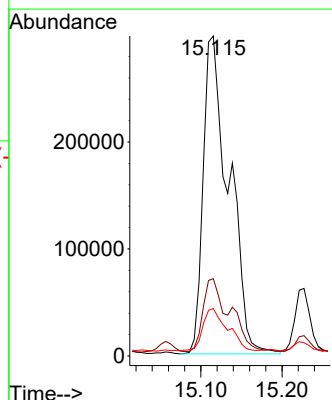
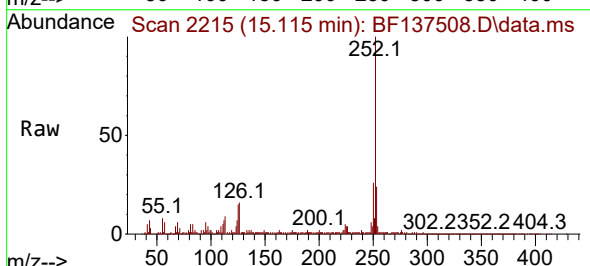
Tgt Ion:252 Resp: 654833

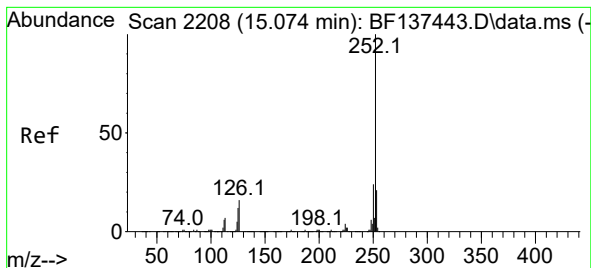
Ion Ratio Lower Upper

252 100

253 24.2 17.8 26.8

125 14.8 10.1 15.1





#89

Benzo(k)fluoranthene

Concen: 36.657 ng

RT: 15.115 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF137508.D

Acq: 05 Mar 2024 19:06

Instrument :

BNF

ClientSampleId :

TP-5

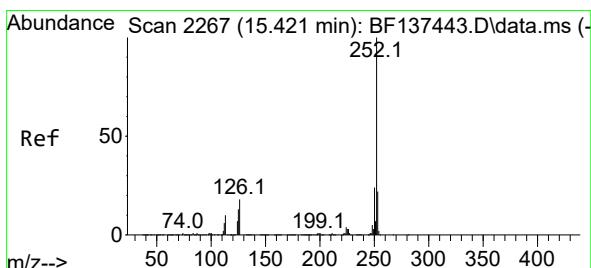
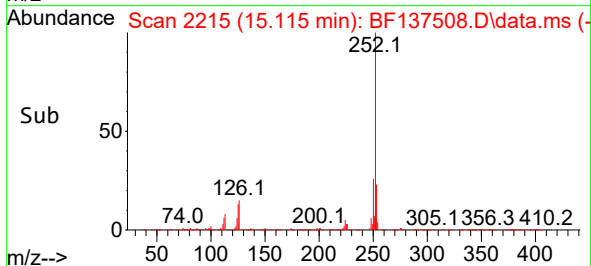
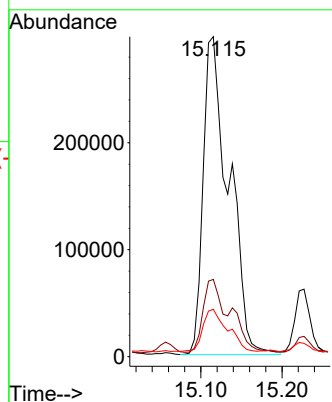
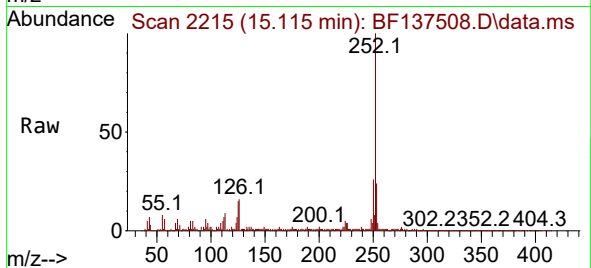
Tgt Ion:252 Resp: 654833

Ion Ratio Lower Upper

252 100

253 24.2 17.3 25.9

125 14.8 9.6 14.4#



#90

Benzo(a)pyrene

Concen: 22.376 ng

RT: 15.498 min Scan# 2280

Delta R.T. -0.006 min

Lab File: BF137508.D

Acq: 05 Mar 2024 19:06

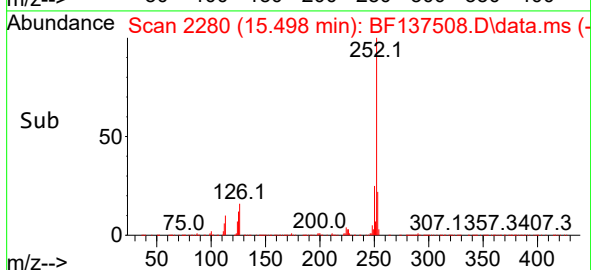
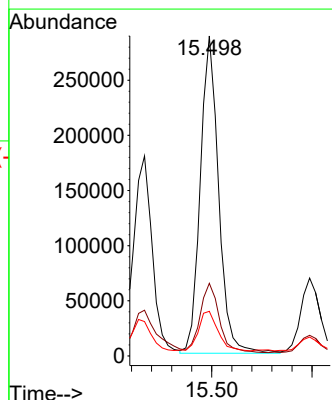
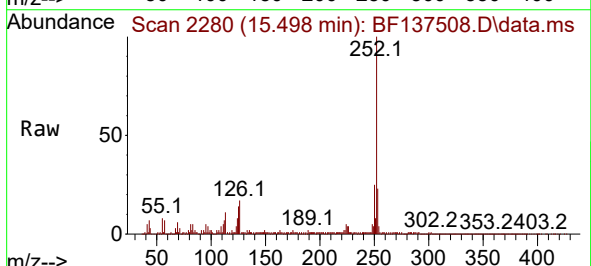
Tgt Ion:252 Resp: 366727

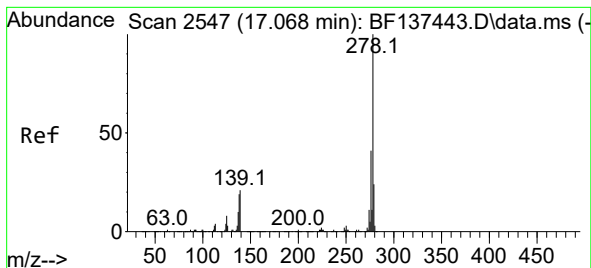
Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.2

125 14.0 10.4 15.6





#91

Dibenzo(a,h)anthracene

Concen: 2.145 ng

RT: 17.162 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF137508.D

Acq: 05 Mar 2024 19:06

Instrument :

BNA_F

ClientSampleId :

TP-5

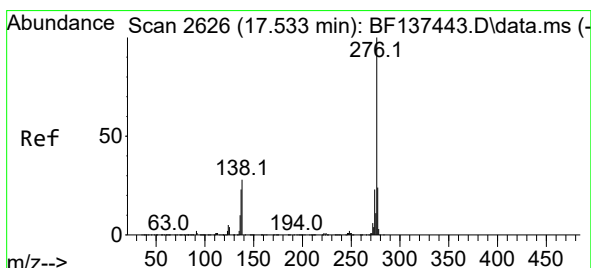
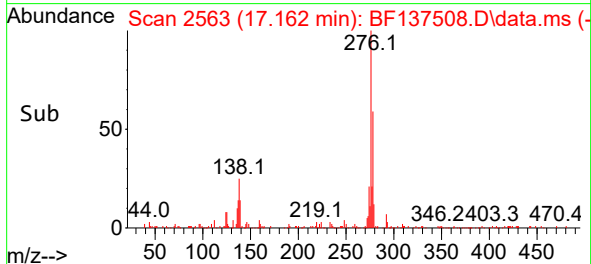
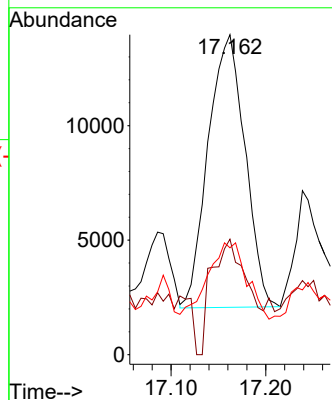
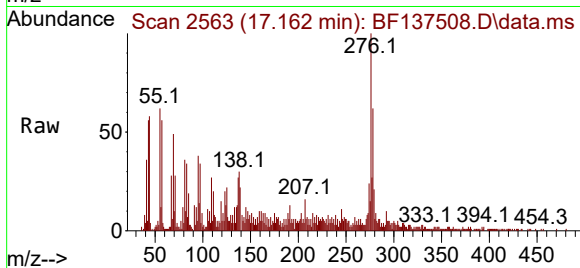
Tgt Ion:278 Resp: 32191

Ion Ratio Lower Upper

278 100

139 36.1 17.0 25.6#

279 33.4 18.8 28.2#



#92

Benzo(g,h,i)perylene

Concen: 9.339 ng

RT: 17.615 min Scan# 2640

Delta R.T. -0.024 min

Lab File: BF137508.D

Acq: 05 Mar 2024 19:06

Tgt Ion:276 Resp: 143954

Ion Ratio Lower Upper

276 100

277 24.7 19.0 28.4

138 26.2 22.2 33.2

