

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030524\
 Data File : BF137506.D
 Acq On : 05 Mar 2024 18:04
 Operator : CG\JU
 Sample : P1674-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2B

Quant Time: Mar 05 23:59:22 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

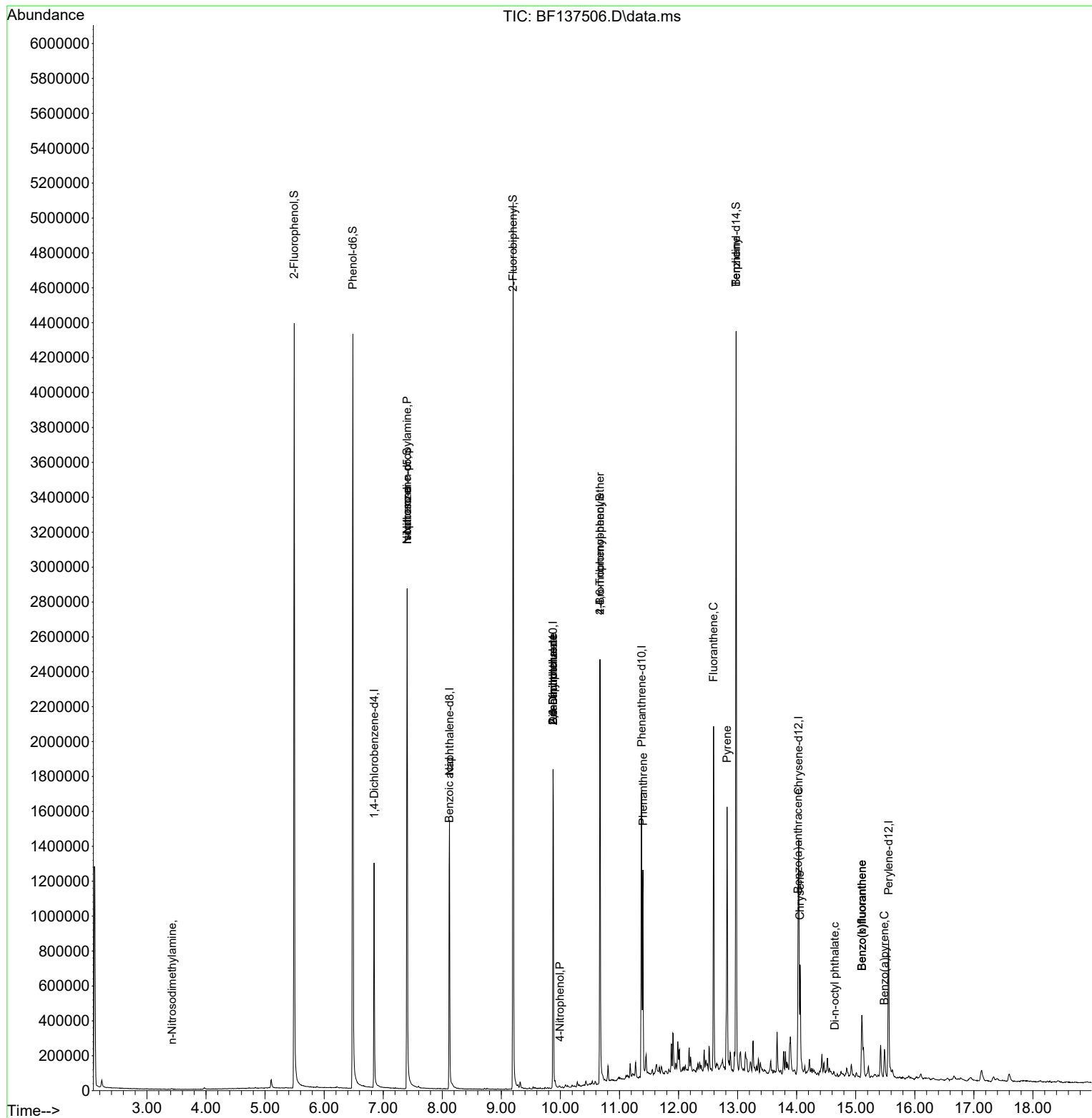
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	178306	20.000	ng	-0.02
21) Naphthalene-d8	8.122	136	698706	20.000	ng	-0.01
39) Acenaphthene-d10	9.875	164	380893	20.000	ng	-0.02
64) Phenanthrene-d10	11.375	188	637216	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	356658	20.000	ng	-0.02
86) Perylene-d12	15.557	264	382591	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	1175652	99.860	ng	-0.02
7) Phenol-d6	6.487	99	1620088	95.333	ng	-0.02
23) Nitrobenzene-d5	7.404	82	953601	63.415	ng	-0.02
42) 2,4,6-Tribromophenol	10.669	330	274876	82.178	ng	-0.02
45) 2-Fluorobiphenyl	9.198	172	1530987	62.919	ng	-0.02
79) Terphenyl-d14	12.975	244	1476870	56.941	ng	-0.02
Target Compounds						
4) n-Nitrosodimethylamine	3.422	42	421	3.870	ng	# 1
19) n-Nitroso-di-n-propyla...	7.404	70	123000	11.721	ng	# 81
25) Isophorone	7.404	82	953530	33.377	ng	# 69
32) Benzoic acid	8.116	122	60	6.307	ng	# 1
50) Dimethylphthalate	9.875	163	60229	2.272	ng	# 1
51) 2,6-Dinitrotoluene	9.875	165	50604	9.125	ng	# 21
56) 4-Nitrophenol	9.992	139	145	4.559	ng	# 5
57) 2,4-Dinitrotoluene	9.875	165	50874	7.467	ng	# 21
67) 4-Bromophenyl-phenylether	10.669	248	18986	2.736	ng	# 1
71) Phenanthrene	11.398	178	439494	12.673	ng	99
75) Fluoranthene	12.592	202	765122	22.572	ng	100
77) Benzidine	12.975	184	19359	2.218	ng	# 94
78) Pyrene	12.822	202	568317	16.239	ng	99
81) Benzo(a)anthracene	14.022	228	249838	9.994	ng	100
83) Chrysene	14.057	228	244257	9.668	ng	98
85) Di-n-octyl phthalate	14.645	149	390	5.623	ng	# 1
88) Benzo(b)fluoranthene	15.104	252	266303	11.767	ng	99
89) Benzo(k)fluoranthene	15.104	252	266303	10.955	ng	98
90) Benzo(a)pyrene	15.486	252	83611	3.749	ng	98

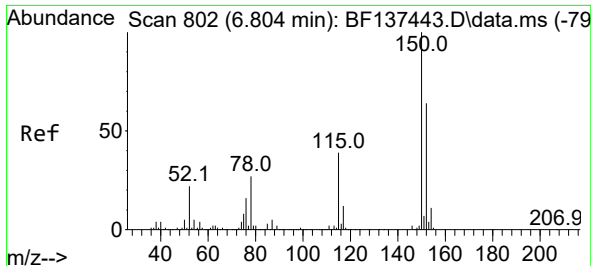
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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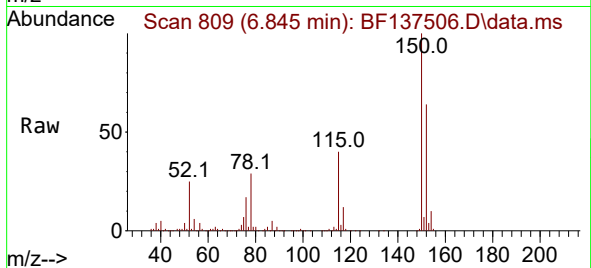
Quant Time: Mar 05 23:59:22 2024
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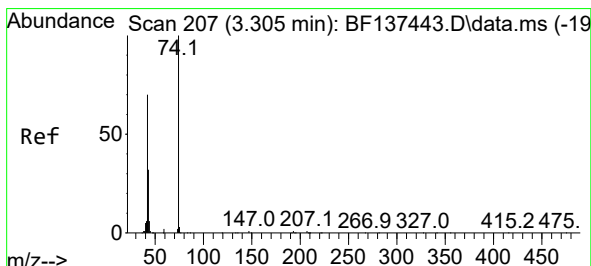
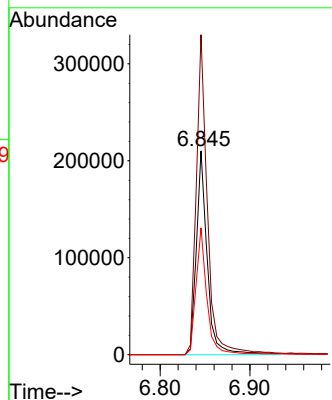
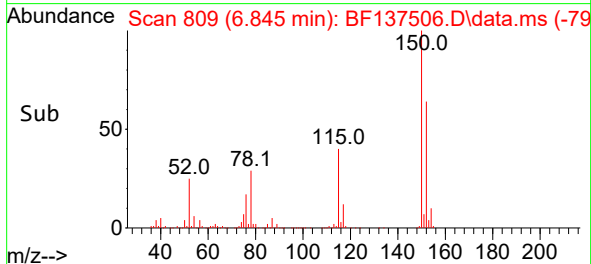


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 80
Delta R.T. -0.018 min
Lab File: BF137506.D
Acq: 05 Mar 2024 18:04

Instrument :
BNA_F
ClientSampleId :
2B

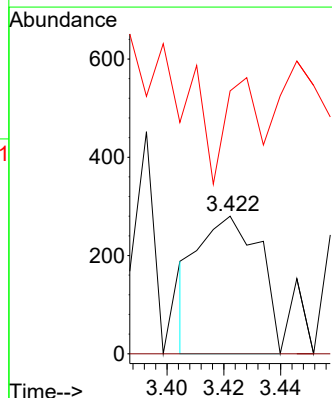
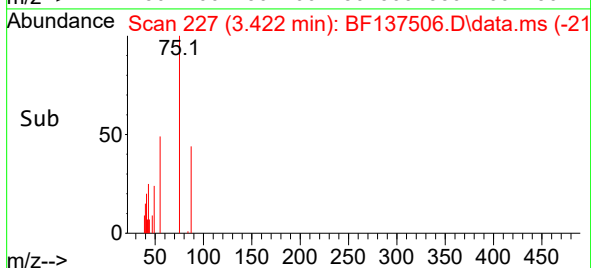
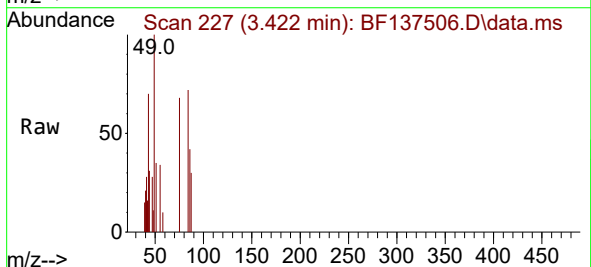


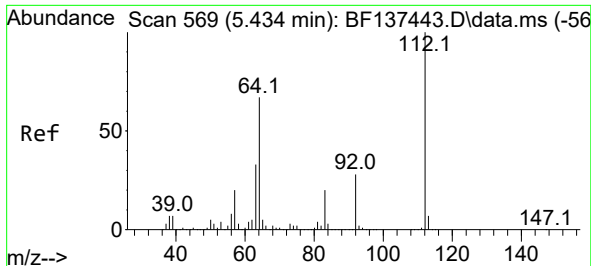
Tgt Ion:152 Resp: 178306
Ion Ratio Lower Upper
152 100
150 156.9 125.8 188.6
115 62.2 48.8 73.2



#4
n-Nitrosodimethylamine
Concen: 3.870 ng
RT: 3.422 min Scan# 227
Delta R.T. -0.023 min
Lab File: BF137506.D
Acq: 05 Mar 2024 18:04

Tgt Ion: 42 Resp: 421
Ion Ratio Lower Upper
42 100
74 0.0 114.0 171.0#
44 191.1 7.0 10.4#

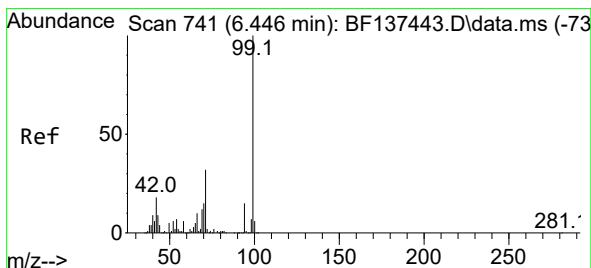
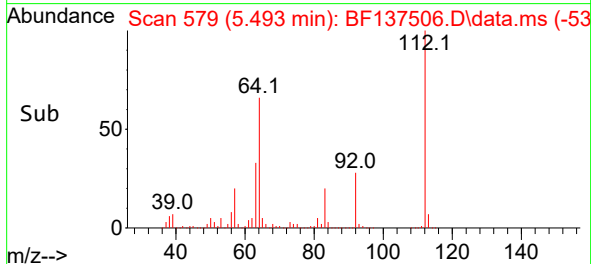
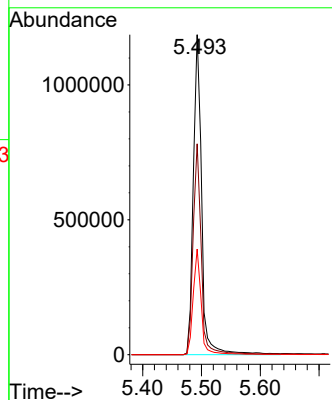
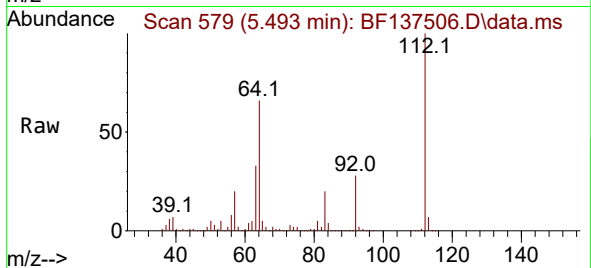




#5
2-Fluorophenol
Concen: 99.860 ng
RT: 5.493 min Scan# 51
Delta R.T. -0.017 min
Lab File: BF137506.D
Acq: 05 Mar 2024 18:04

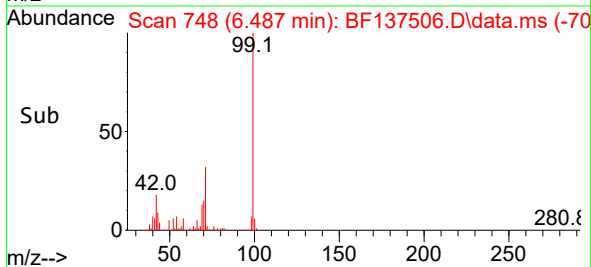
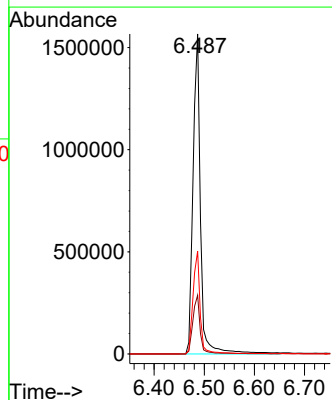
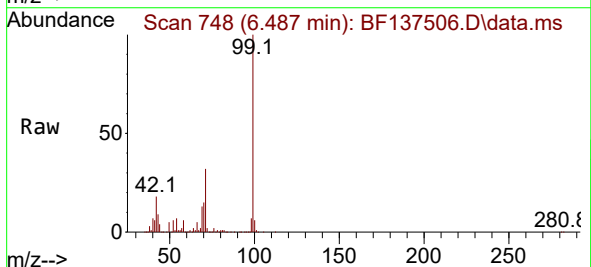
Instrument :
BNA_F
ClientSampleId :
2B

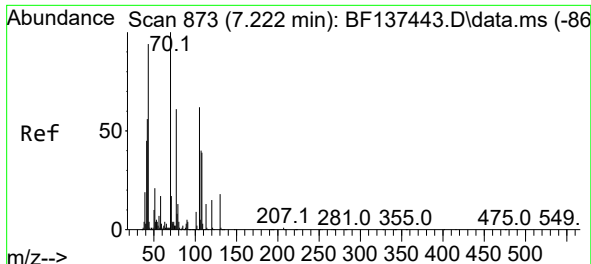
Tgt Ion:112 Resp: 1175652
Ion Ratio Lower Upper
112 100
64 65.9 53.4 80.2
63 33.0 26.2 39.2



#7
Phenol-d6
Concen: 95.333 ng
RT: 6.487 min Scan# 748
Delta R.T. -0.017 min
Lab File: BF137506.D
Acq: 05 Mar 2024 18:04

Tgt Ion: 99 Resp: 1620088
Ion Ratio Lower Upper
99 100
42 18.4 14.6 21.8
71 32.1 25.3 37.9





#19

n-Nitroso-di-n-propylamine

Concen: 11.721 ng

RT: 7.404 min Scan# 90

Delta R.T. 0.124 min

Lab File: BF137506.D

Acq: 05 Mar 2024 18:04

Instrument :

BNA_F

ClientSampleId :

2B

Tgt Ion: 70 Resp: 123000

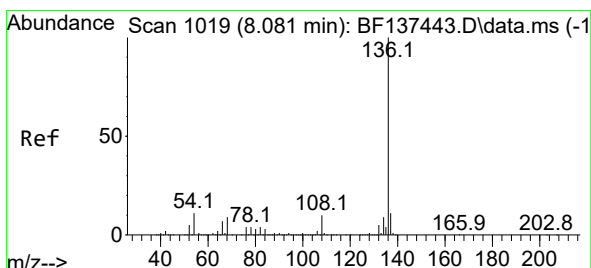
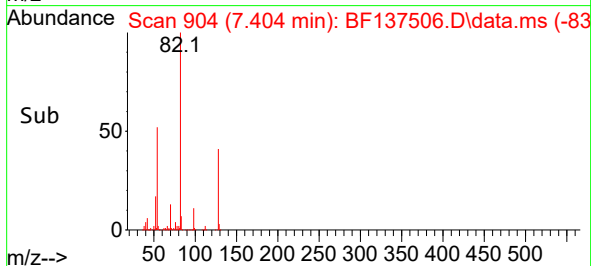
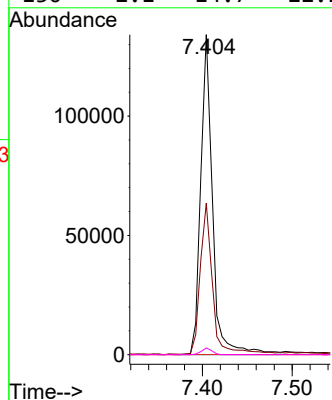
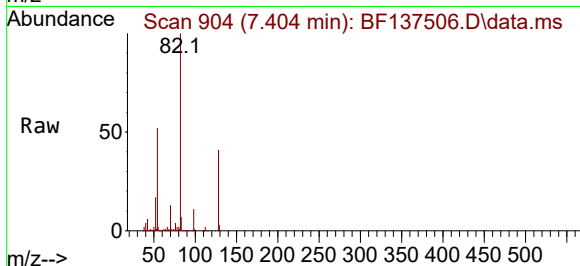
Ion Ratio Lower Upper

70 100

42 47.4 45.2 67.8

101 0.0 7.3 10.9#

130 2.1 14.7 22.1#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.122 min Scan# 1026

Delta R.T. -0.012 min

Lab File: BF137506.D

Acq: 05 Mar 2024 18:04

Tgt Ion:136 Resp: 698706

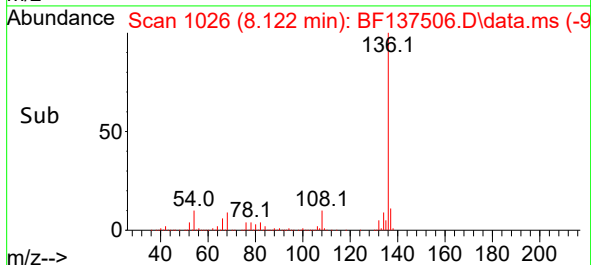
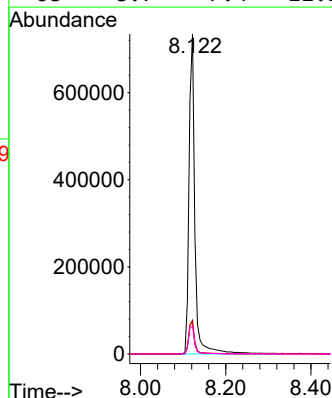
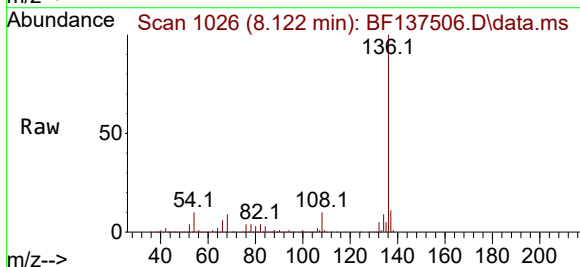
Ion Ratio Lower Upper

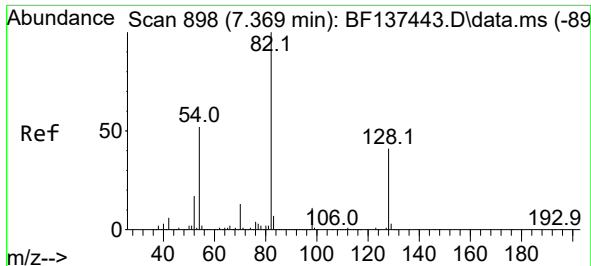
136 100

137 10.5 9.1 13.7

54 9.8 8.5 12.7

68 8.7 7.4 11.2





#23

Nitrobenzene-d5

Concen: 63.415 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.023 min

Lab File: BF137506.D

Acq: 05 Mar 2024 18:04

Instrument :

BNA_F

ClientSampleId :

2B

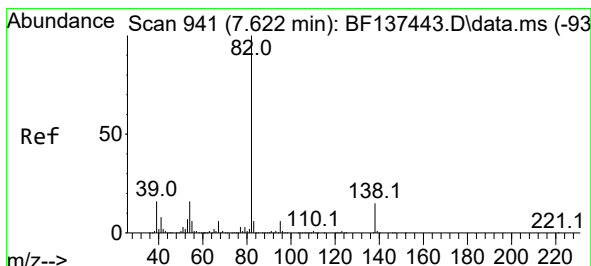
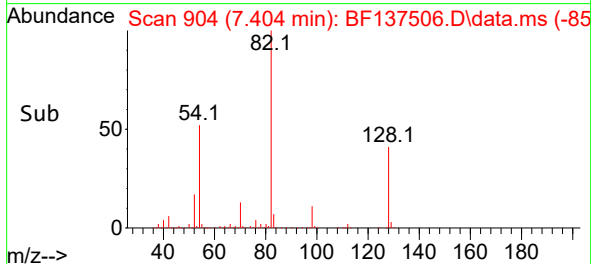
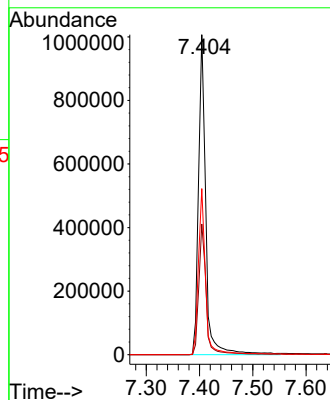
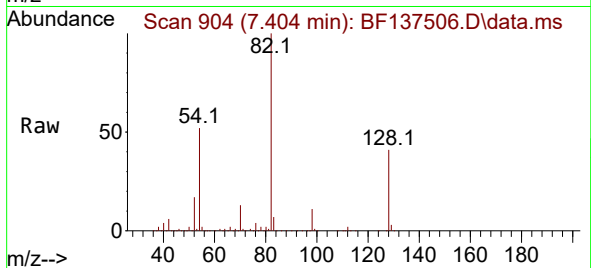
Tgt Ion: 82 Resp: 953601

Ion Ratio Lower Upper

82 100

128 40.9 32.5 48.7

54 51.9 41.5 62.3



#25

Isophorone

Concen: 33.377 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.276 min

Lab File: BF137506.D

Acq: 05 Mar 2024 18:04

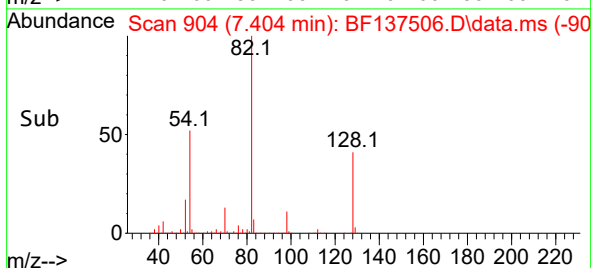
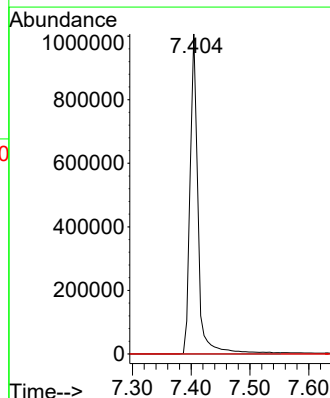
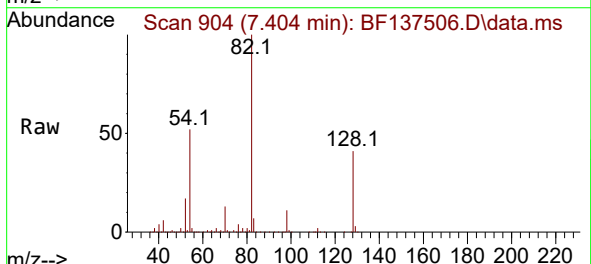
Tgt Ion: 82 Resp: 953530

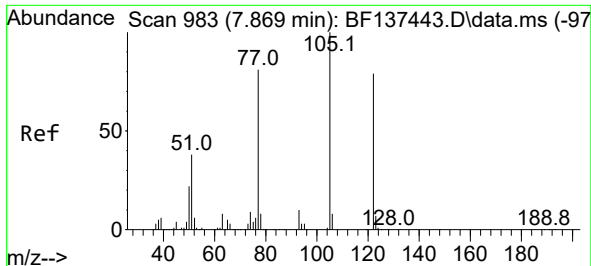
Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

138 0.0 11.8 17.8#

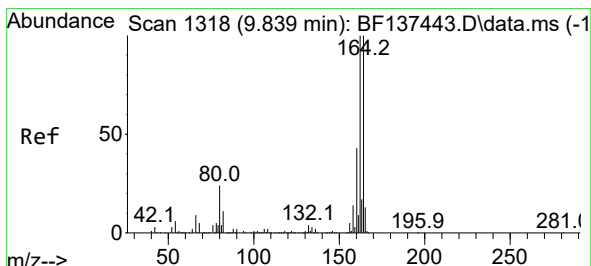
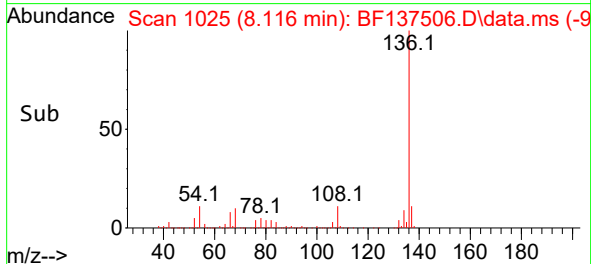
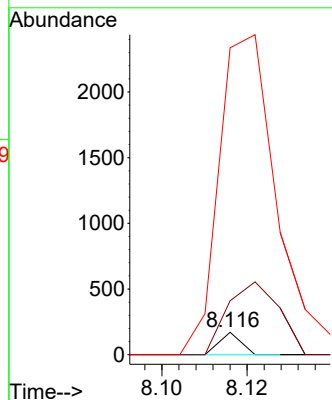
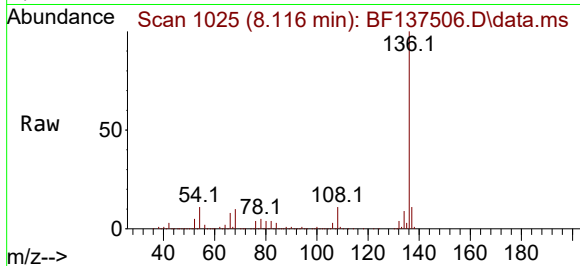




#32
Benzoic acid
Concen: 6.307 ng
RT: 8.116 min Scan# 1025
Delta R.T. 0.188 min
Lab File: BF137506.D
Acq: 05 Mar 2024 18:04

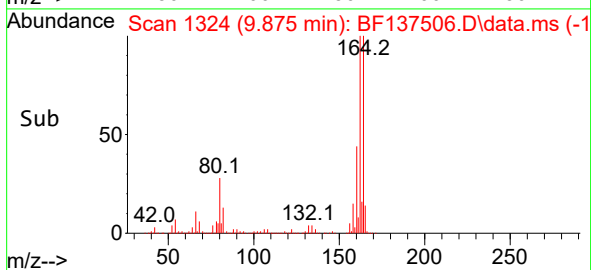
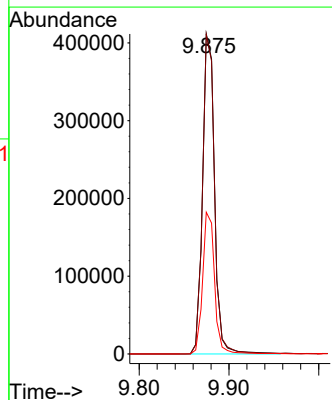
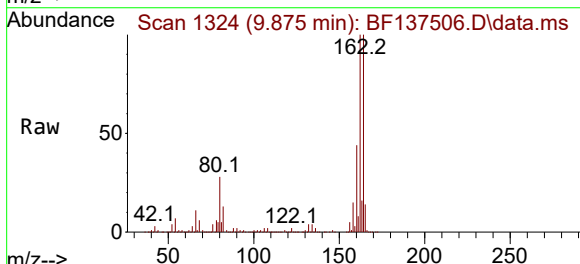
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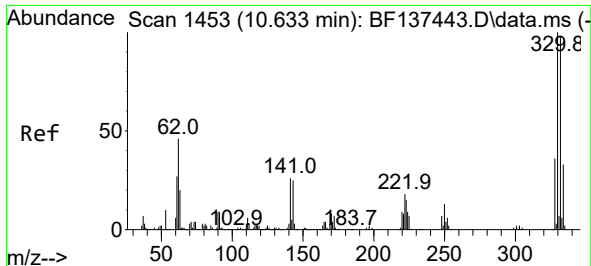
Tgt Ion:122 Resp: 60
Ion Ratio Lower Upper
122 100
105 239.8 102.4 142.4#
77 1366.1 81.1 121.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.017 min
Lab File: BF137506.D
Acq: 05 Mar 2024 18:04

Tgt Ion:164 Resp: 380893
Ion Ratio Lower Upper
164 100
162 99.9 79.8 119.8
160 44.3 34.4 51.6

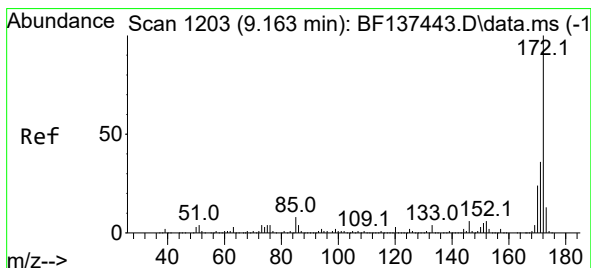
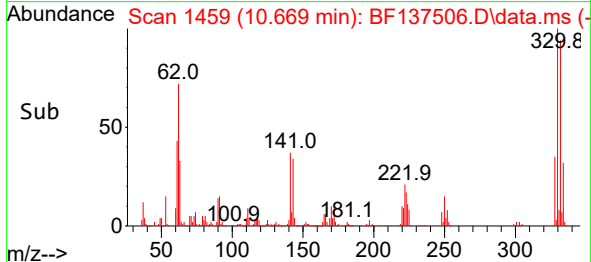
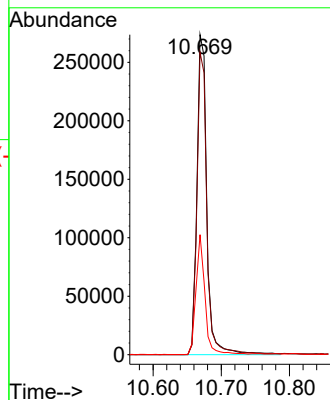
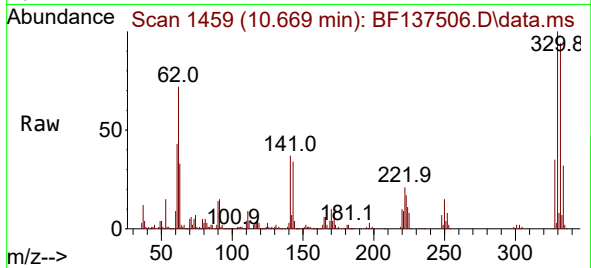




#42
2,4,6-Tribromophenol
Concen: 82.178 ng
RT: 10.669 min Scan# 1459
Delta R.T. -0.023 min
Lab File: BF137506.D
Acq: 05 Mar 2024 18:04

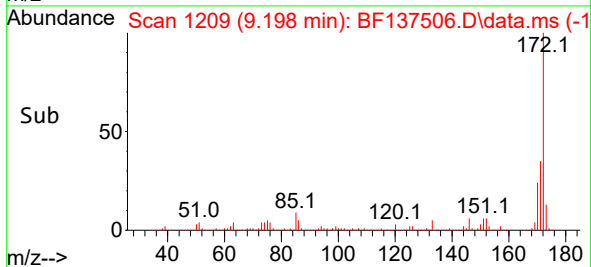
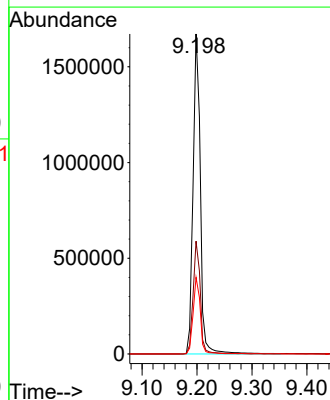
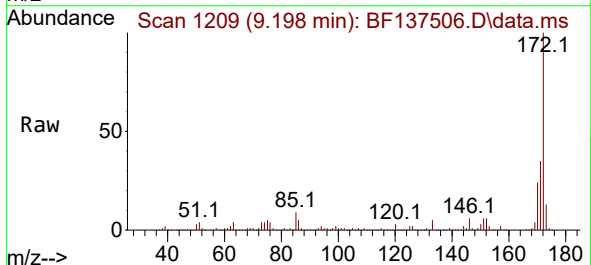
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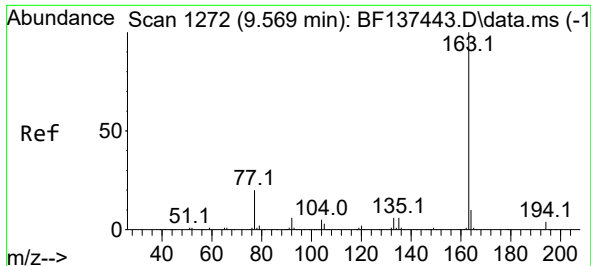
Tgt Ion: 330 Resp: 274876
Ion Ratio Lower Upper
330 100
332 94.4 78.0 117.0
141 33.7 27.3 40.9



#45
2-Fluorobiphenyl
Concen: 62.919 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.017 min
Lab File: BF137506.D
Acq: 05 Mar 2024 18:04

Tgt Ion: 172 Resp: 1530987
Ion Ratio Lower Upper
172 100
171 35.3 28.5 42.7
170 23.9 19.0 28.6

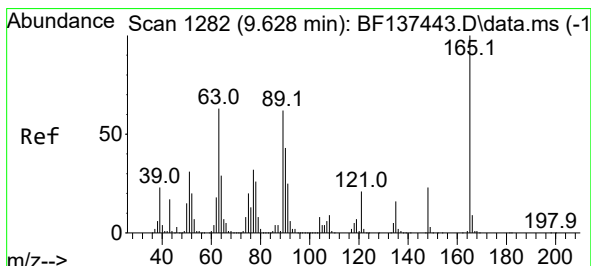
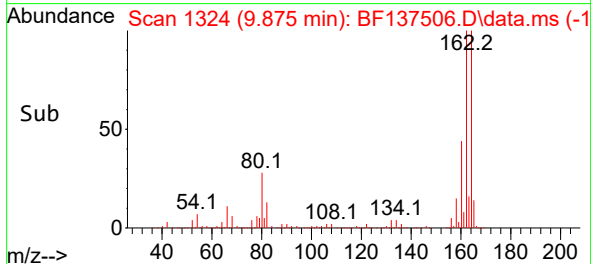
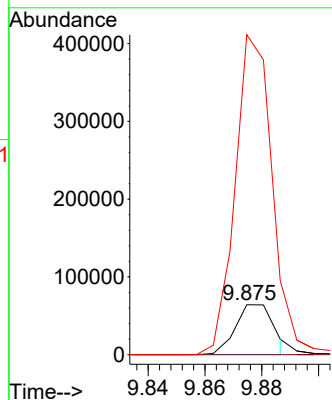
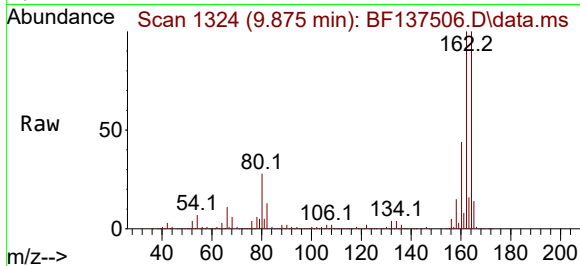




#50
Dimethylphthalate
Concen: 2.272 ng
RT: 9.875 min Scan# 11
Delta R.T. 0.247 min
Lab File: BF137506.D
Acq: 05 Mar 2024 18:04

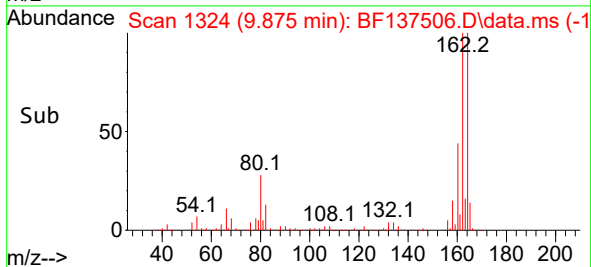
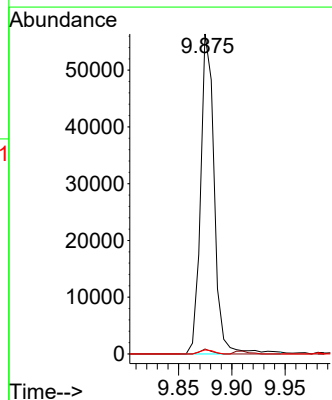
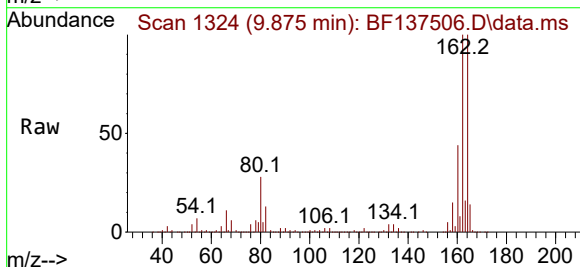
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BNA_F
ClientSampleId :
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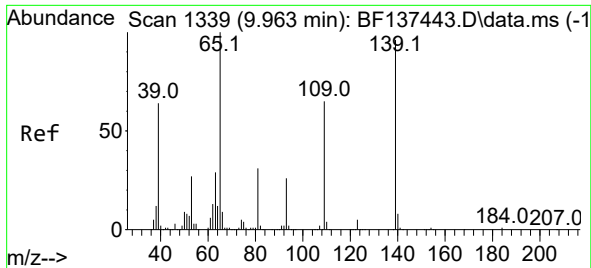
Tgt Ion:163 Resp: 60229
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 640.7 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 9.125 ng
RT: 9.875 min Scan# 1324
Delta R.T. 0.188 min
Lab File: BF137506.D
Acq: 05 Mar 2024 18:04

Tgt Ion:165 Resp: 50604
Ion Ratio Lower Upper
165 100
63 1.6 50.7 76.1#
89 1.3 50.0 75.0#

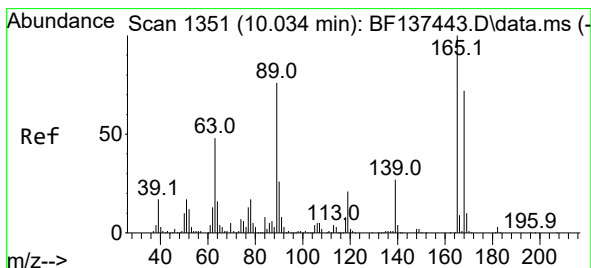
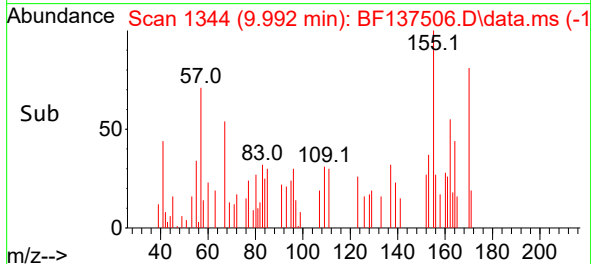
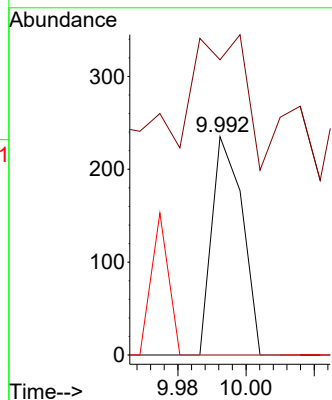
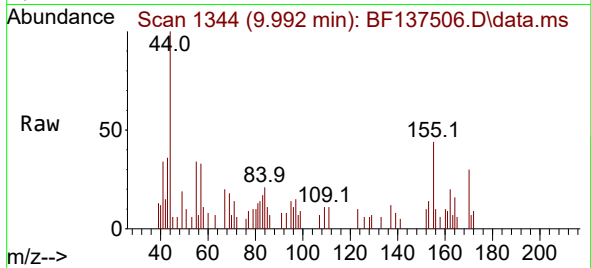




#56
4-Nitrophenol
Concen: 4.559 ng
RT: 9.992 min Scan# 11
Delta R.T. -0.029 min
Lab File: BF137506.D
Acq: 05 Mar 2024 18:04

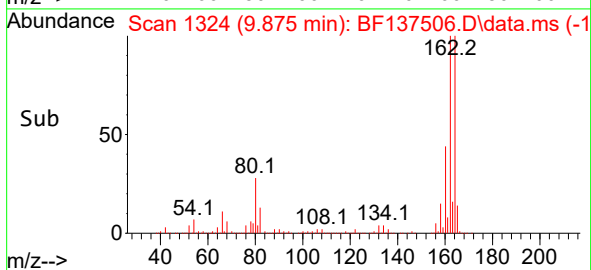
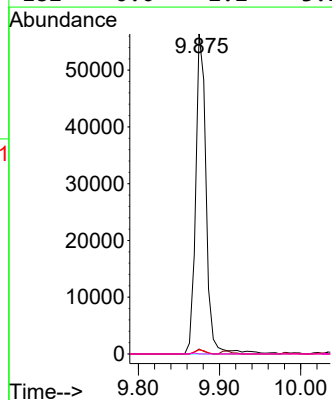
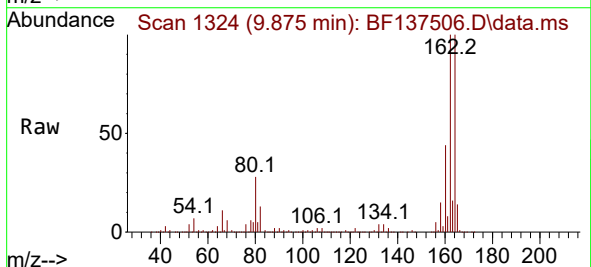
Instrument :
BNA_F
ClientSampleId :
2B

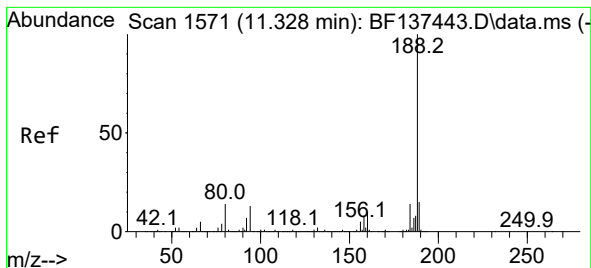
Tgt Ion:139 Resp: 145
Ion Ratio Lower Upper
139 100
109 135.3 47.1 87.1#
65 0.0 85.1 125.1#



#57
2,4-Dinitrotoluene
Concen: 7.467 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.217 min
Lab File: BF137506.D
Acq: 05 Mar 2024 18:04

Tgt Ion:165 Resp: 50874
Ion Ratio Lower Upper
165 100
63 1.6 39.0 58.6#
89 1.3 60.9 91.3#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.375 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF137506.D

Acq: 05 Mar 2024 18:04

Instrument :

BNA_F

ClientSampleId :

2B

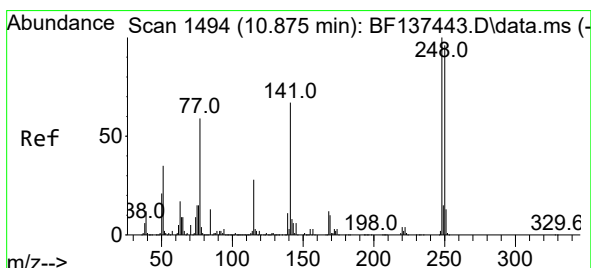
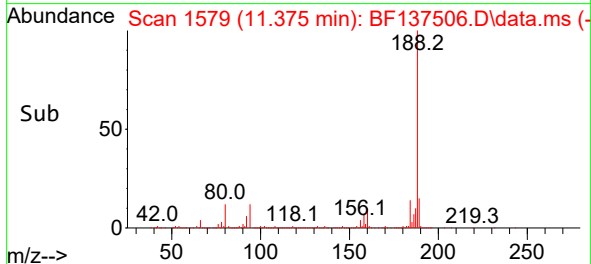
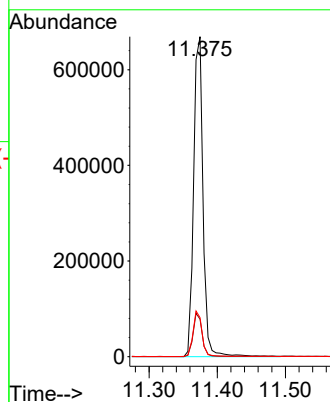
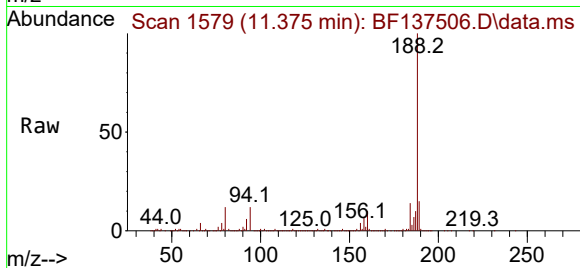
Tgt Ion:188 Resp: 637216

Ion Ratio Lower Upper

188 100

94 11.7 10.6 15.8

80 12.2 11.5 17.3



#67

4-Bromophenyl-phenylether

Concen: 2.736 ng

RT: 10.669 min Scan# 1459

Delta R.T. -0.264 min

Lab File: BF137506.D

Acq: 05 Mar 2024 18:04

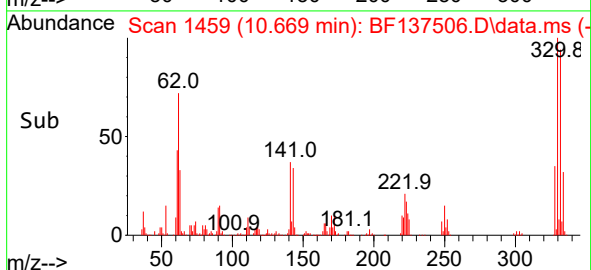
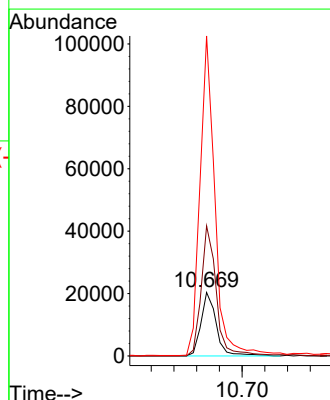
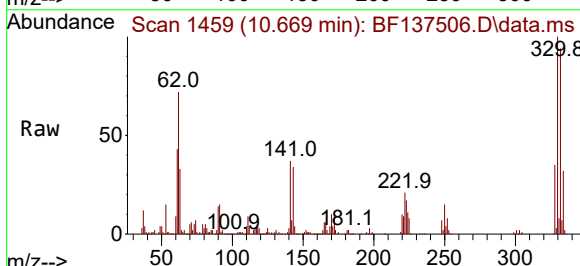
Tgt Ion:248 Resp: 18986

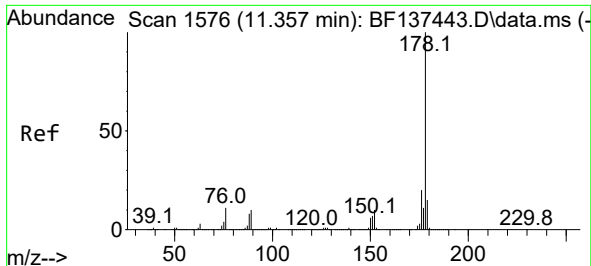
Ion Ratio Lower Upper

248 100

250 204.7 76.8 115.2#

141 503.3 53.4 80.0#

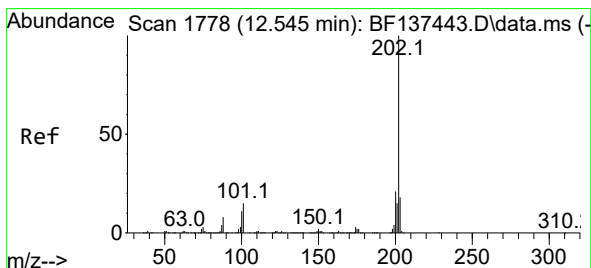
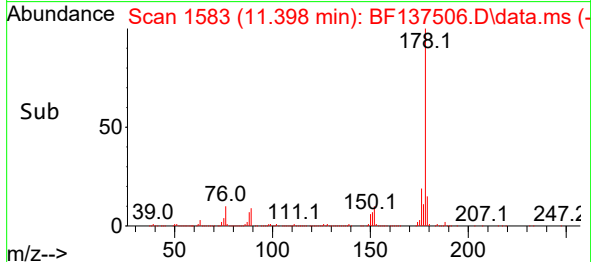
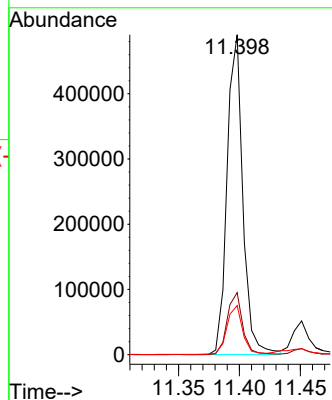
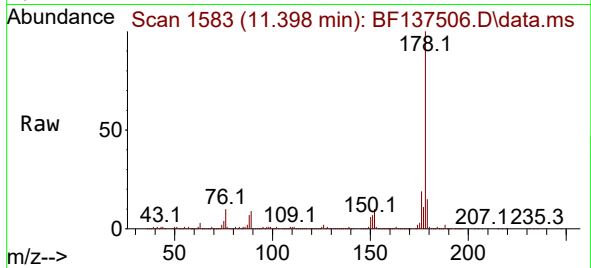




#71
Phenanthrene
Concen: 12.673 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF137506.D
Acq: 05 Mar 2024 18:04

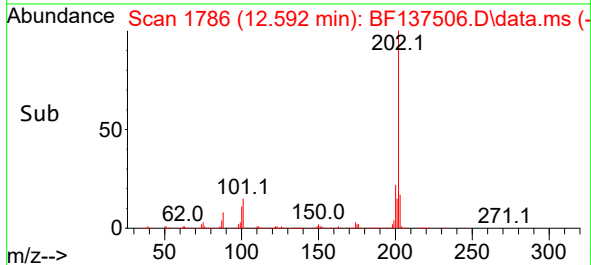
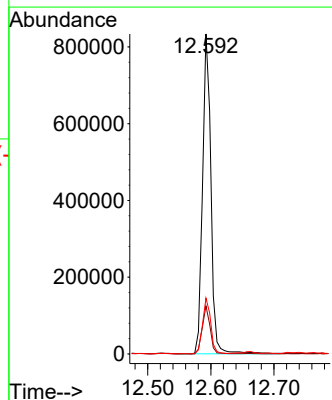
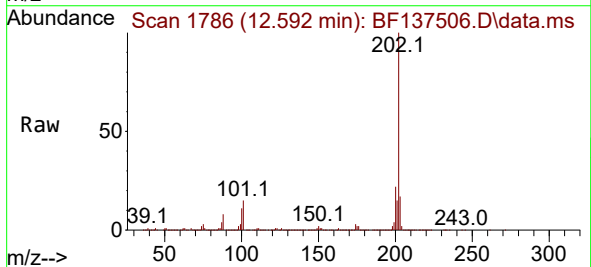
Instrument :
BNA_F
ClientSampleId :
2B

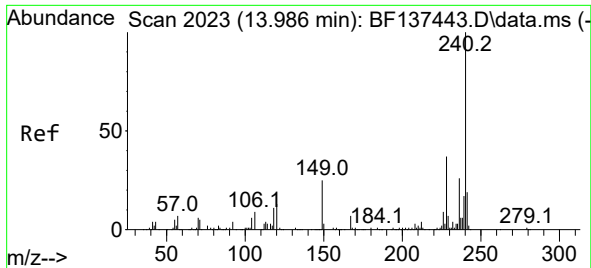
Tgt Ion:178 Resp: 439494
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 15.4 12.2 18.2



#75
Fluoranthene
Concen: 22.572 ng
RT: 12.592 min Scan# 1786
Delta R.T. -0.017 min
Lab File: BF137506.D
Acq: 05 Mar 2024 18:04

Tgt Ion:202 Resp: 765122
Ion Ratio Lower Upper
202 100
101 15.0 0.0 35.0
203 17.4 0.0 37.7

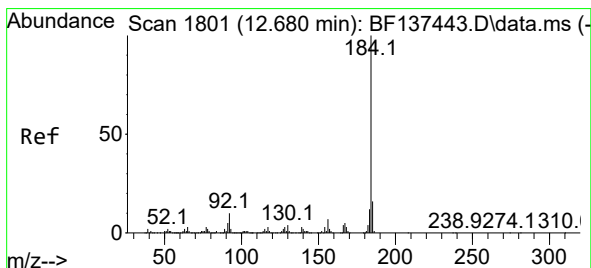
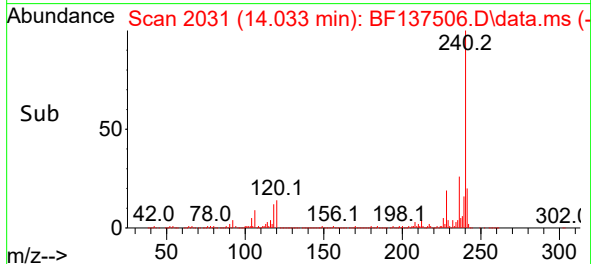
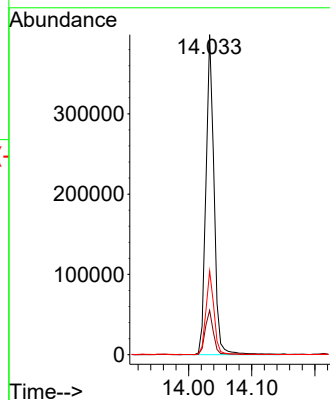
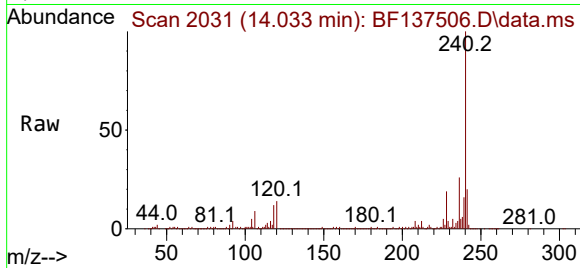




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 20
Delta R.T. -0.017 min
Lab File: BF137506.D
Acq: 05 Mar 2024 18:04

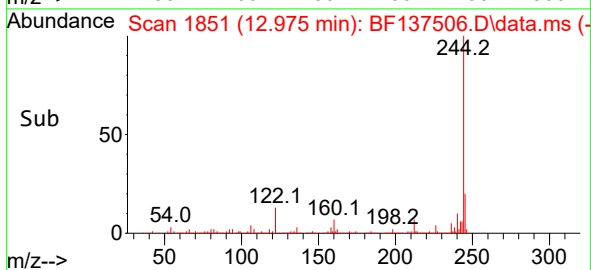
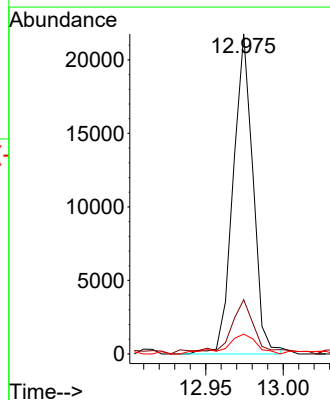
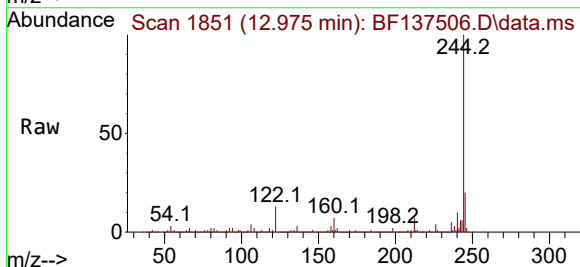
Instrument :
BNA_F
ClientSampleId :
2B

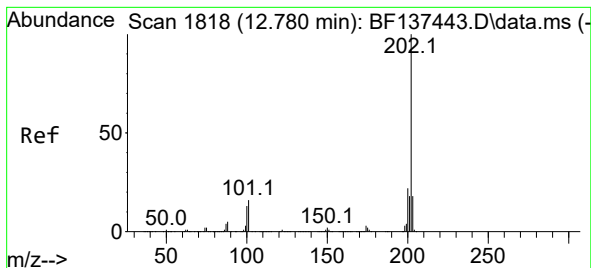
Tgt Ion:240 Resp: 356658
Ion Ratio Lower Upper
240 100
120 13.8 10.4 15.6
236 26.2 20.9 31.3



#77
Benzidine
Concen: 2.218 ng
RT: 12.975 min Scan# 1851
Delta R.T. 0.235 min
Lab File: BF137506.D
Acq: 05 Mar 2024 18:04

Tgt Ion:184 Resp: 19359
Ion Ratio Lower Upper
184 100
185 17.0 13.2 19.8
183 6.2 9.3 13.9#





#78

Pyrene

Concen: 16.239 ng

RT: 12.822 min Scan# 1825

Delta R.T. -0.017 min

Lab File: BF137506.D

Acq: 05 Mar 2024 18:04

Instrument :

BNA_F

ClientSampleId :

2B

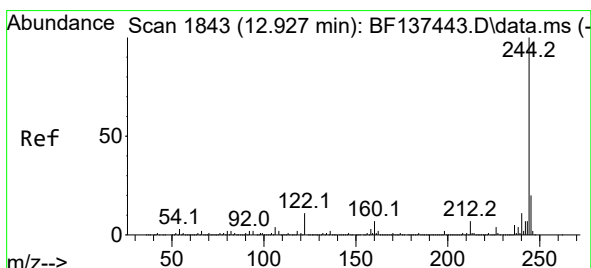
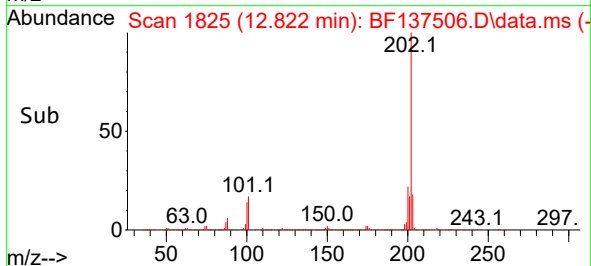
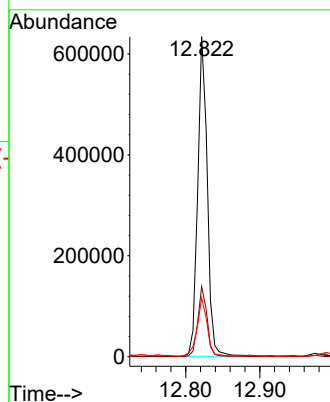
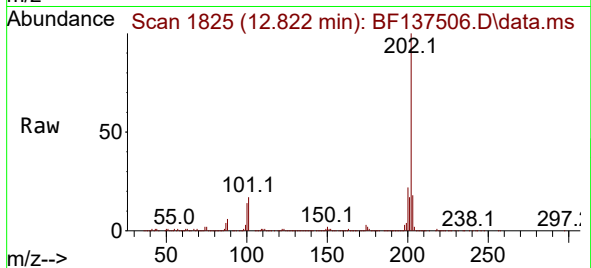
Tgt Ion:202 Resp: 568317

Ion Ratio Lower Upper

202 100

200 21.9 17.4 26.2

203 18.3 14.1 21.1



#79

Terphenyl-d14

Concen: 56.941 ng

RT: 12.975 min Scan# 1851

Delta R.T. -0.017 min

Lab File: BF137506.D

Acq: 05 Mar 2024 18:04

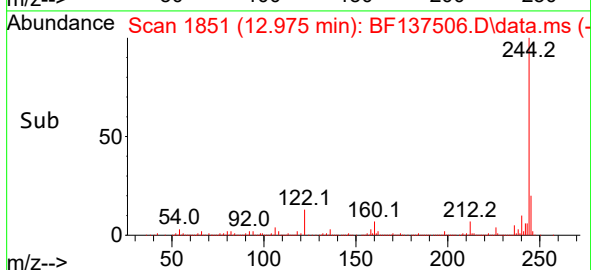
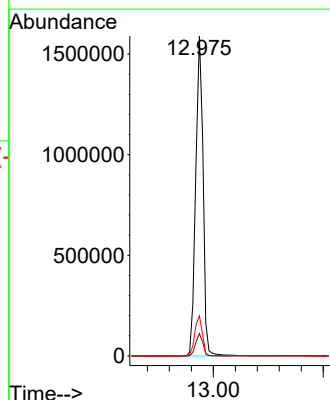
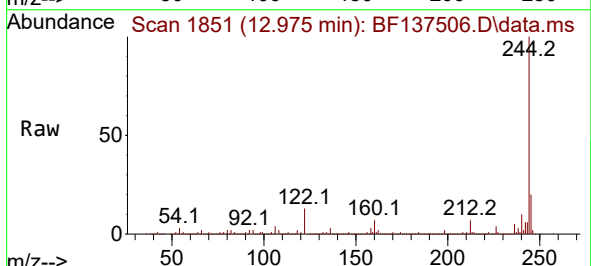
Tgt Ion:244 Resp: 1476870

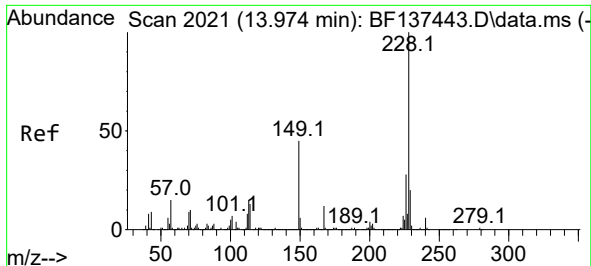
Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.2

122 12.5 9.1 13.7





#81

Benzo(a)anthracene

Concen: 9.994 ng

RT: 14.022 min Scan# 20

Delta R.T. -0.017 min

Lab File: BF137506.D

Acq: 05 Mar 2024 18:04

Instrument :

BNA_F

ClientSampleId :

2B

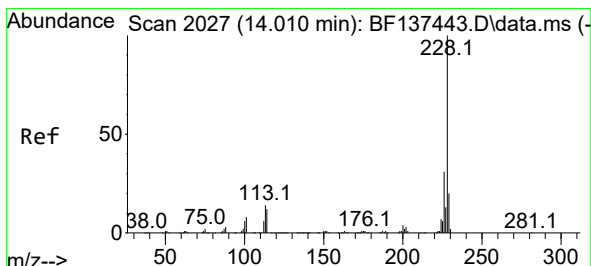
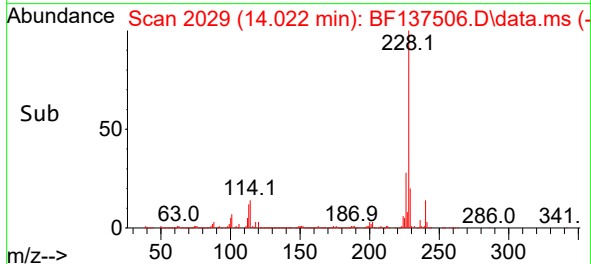
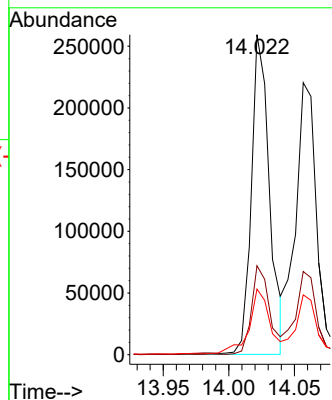
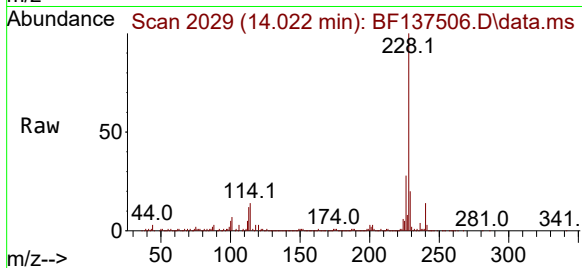
Tgt Ion:228 Resp: 249838

Ion Ratio Lower Upper

228 100

226 27.8 22.3 33.5

229 20.5 16.3 24.5



#83

Chrysene

Concen: 9.668 ng

RT: 14.057 min Scan# 2035

Delta R.T. -0.017 min

Lab File: BF137506.D

Acq: 05 Mar 2024 18:04

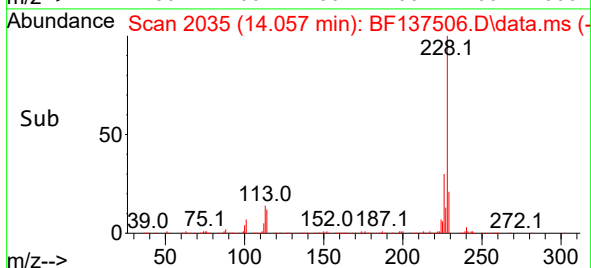
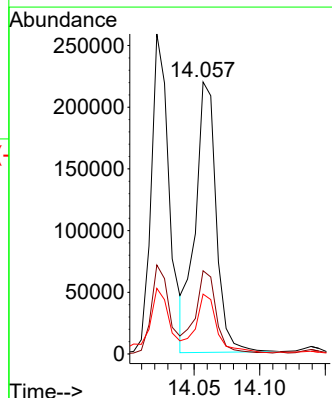
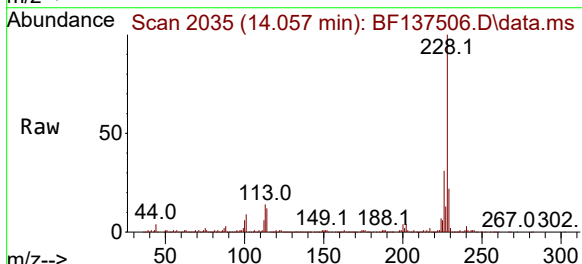
Tgt Ion:228 Resp: 244257

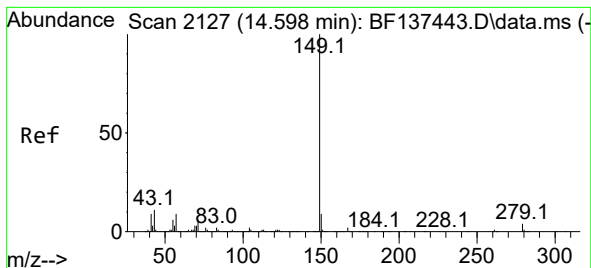
Ion Ratio Lower Upper

228 100

226 30.6 24.7 37.1

229 22.0 15.9 23.9





#85

Di-n-octyl phthalate

Concen: 5.623 ng

RT: 14.645 min Scan# 2127

Delta R.T. -0.017 min

Lab File: BF137506.D

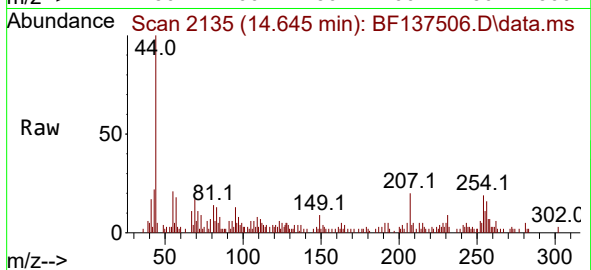
Acq: 05 Mar 2024 18:04

Instrument :

BNA_F

ClientSampleId :

2B



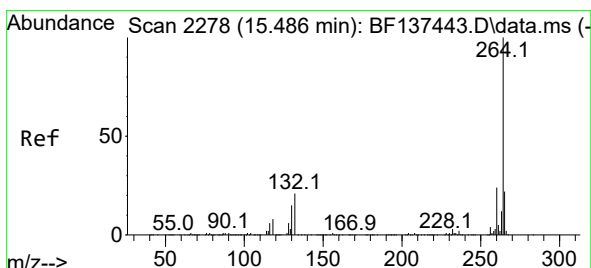
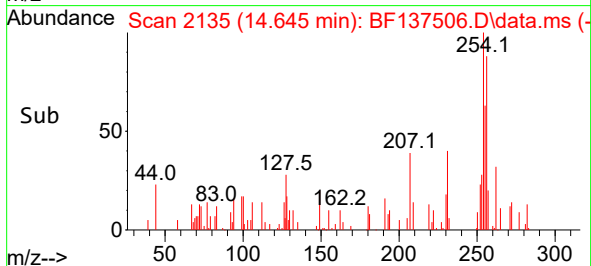
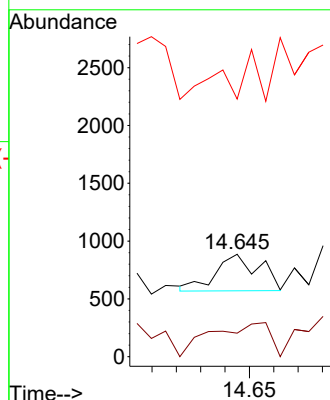
Tgt Ion:149 Resp: 390

Ion Ratio Lower Upper

149 100

167 125.6 1.2 1.8#

43 289.2 9.6 14.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 2290

Delta R.T. -0.012 min

Lab File: BF137506.D

Acq: 05 Mar 2024 18:04

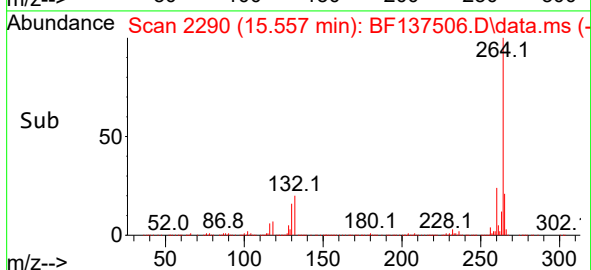
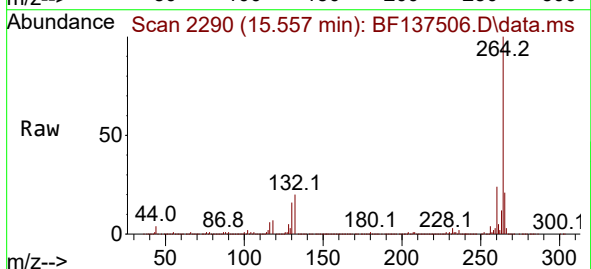
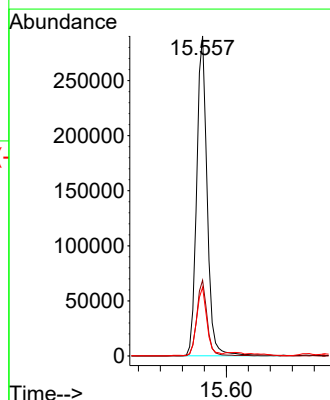
Tgt Ion:264 Resp: 382591

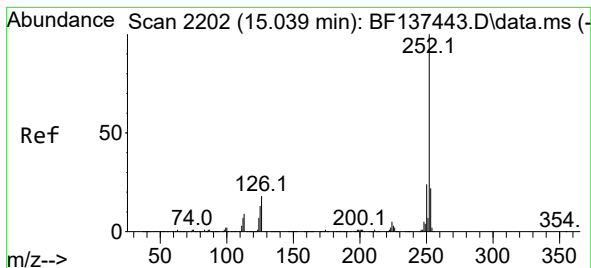
Ion Ratio Lower Upper

264 100

260 23.7 19.3 28.9

265 21.4 17.4 26.0





#88

Benzo(b)fluoranthene

Concen: 11.767 ng

RT: 15.104 min Scan# 2213

Delta R.T. -0.012 min

Lab File: BF137506.D

Acq: 05 Mar 2024 18:04

Instrument :

BNA_F

ClientSampleId :

2B

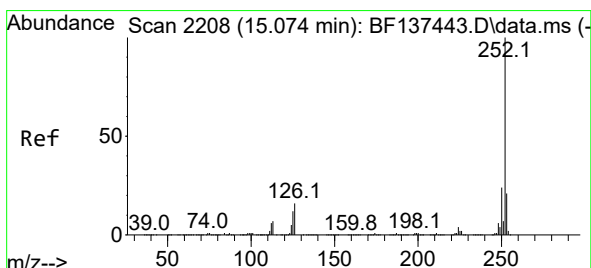
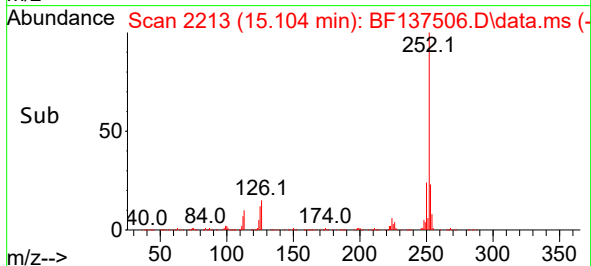
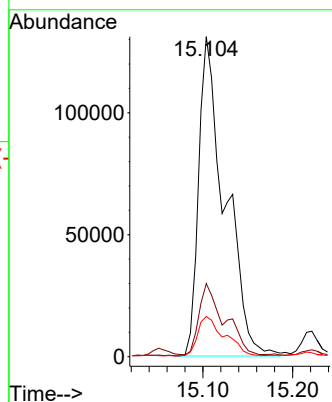
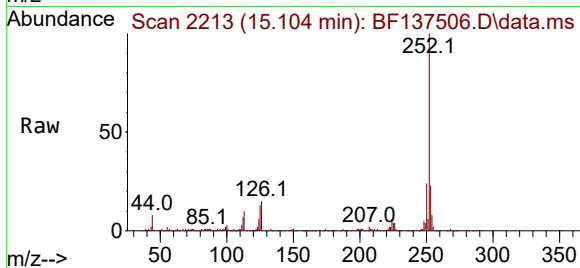
Tgt Ion:252 Resp: 266303

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.8

125 12.6 10.1 15.1



#89

Benzo(k)fluoranthene

Concen: 10.955 ng

RT: 15.104 min Scan# 2213

Delta R.T. -0.047 min

Lab File: BF137506.D

Acq: 05 Mar 2024 18:04

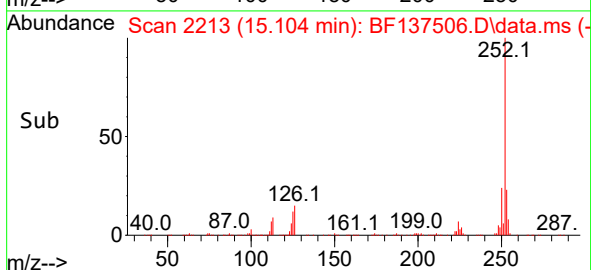
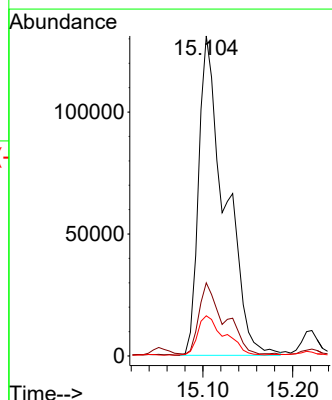
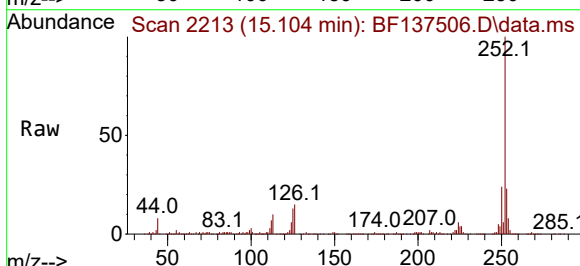
Tgt Ion:252 Resp: 266303

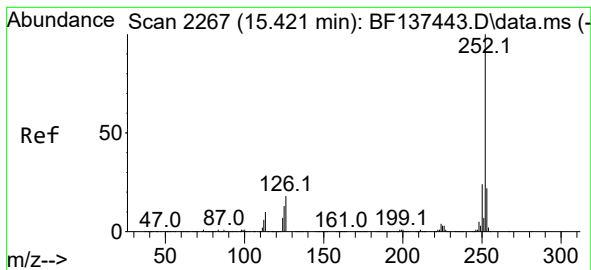
Ion Ratio Lower Upper

252 100

253 22.9 17.3 25.9

125 12.6 9.6 14.4





#90

Benzo(a)pyrene

Concen: 3.749 ng

RT: 15.486 min Scan# 21

Delta R.T. -0.017 min

Lab File: BF137506.D

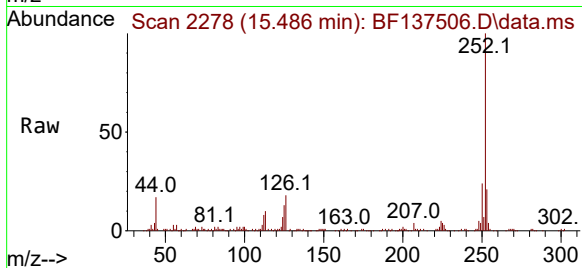
Acq: 05 Mar 2024 18:04

Instrument :

BNA_F

ClientSampleId :

2B



Tgt Ion:252 Resp: 83611

Ion Ratio Lower Upper

252 100

253 20.9 17.4 26.2

125 13.4 10.4 15.6

