

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030524\
 Data File : BF137505.D
 Acq On : 05 Mar 2024 17:33
 Operator : CG\JU
 Sample : P1674-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1A

Quant Time: Mar 05 23:59:02 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)

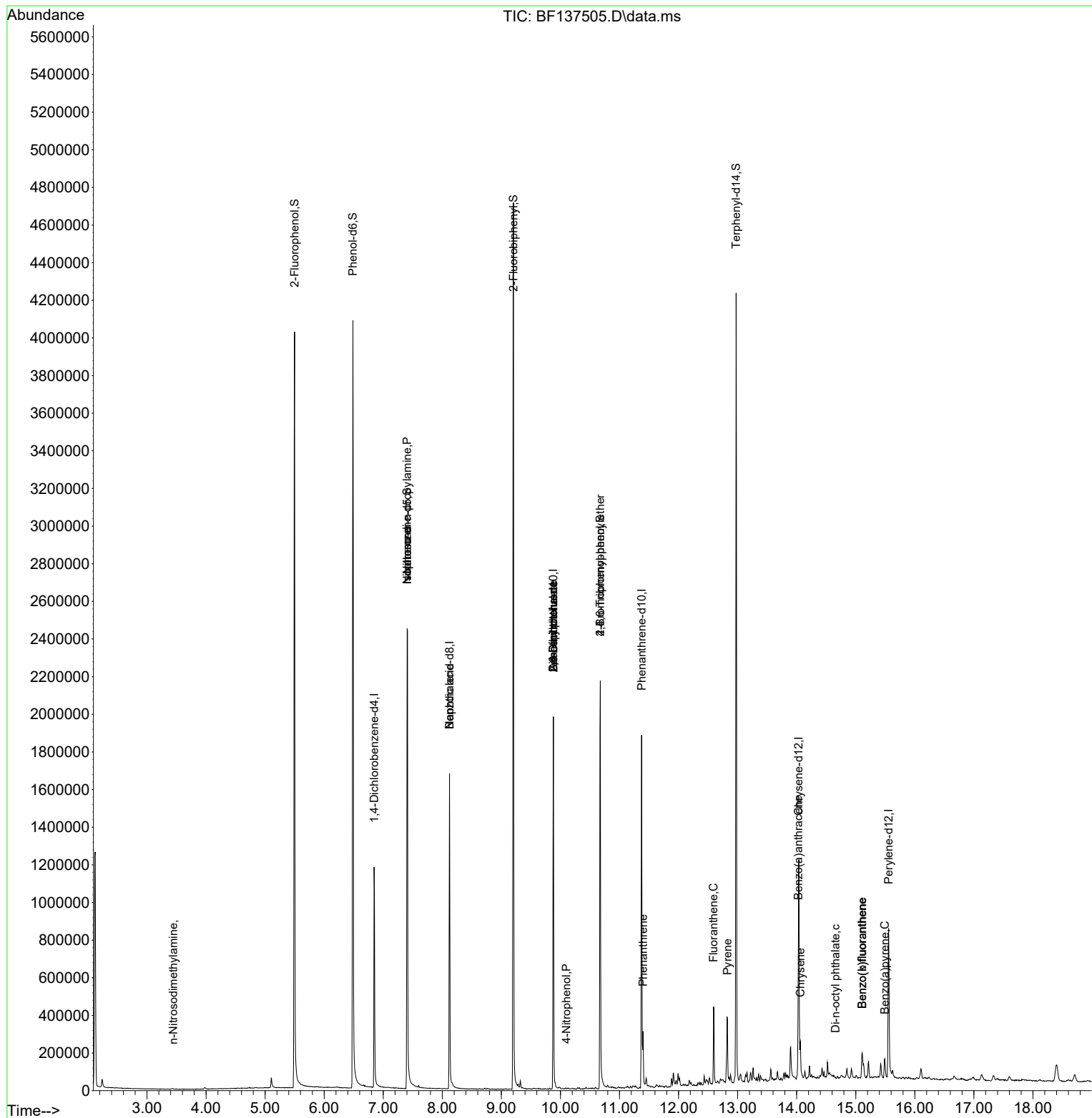
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	179317	20.000	ng	-0.02
21) Naphthalene-d8	8.122	136	692187	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	378764	20.000	ng	-0.01
64) Phenanthrene-d10	11.374	188	637888	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	357083	20.000	ng	-0.02
86) Perylene-d12	15.557	264	382440	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	1124031	94.937	ng	-0.01
7) Phenol-d6	6.487	99	1539827	90.100	ng	-0.02
23) Nitrobenzene-d5	7.404	82	929838	62.417	ng	-0.02
42) 2,4,6-Tribromophenol	10.674	330	246743	74.182	ng	-0.02
45) 2-Fluorobiphenyl	9.204	172	1473785	60.909	ng	-0.01
79) Terphenyl-d14	12.974	244	1387498	53.432	ng	-0.02
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.446	42	412	3.868	ng	# 1
19) n-Nitroso-di-n-propyla...	7.404	70	118651	11.243	ng	# 84
25) Isophorone	7.404	82	929833	32.854	ng	# 69
32) Benzoic acid	8.122	122	159	6.320	ng	# 1
50) Dimethylphthalate	9.880	163	61925	2.349	ng	# 1
51) 2,6-Dinitrotoluene	9.880	165	49116	8.906	ng	# 21
56) 4-Nitrophenol	10.098	139	873	4.725	ng	# 5
57) 2,4-Dinitrotoluene	9.880	165	49258	7.270	ng	# 21
67) 4-Bromophenyl-phenylether	10.674	248	17687	2.546	ng	# 1
71) Phenanthrene	11.398	178	99651	2.871	ng	98
75) Fluoranthene	12.592	202	173627	5.117	ng	100
78) Pyrene	12.827	202	151292	4.318	ng	98
81) Benzo(a)anthracene	14.027	228	87249	3.486	ng	99
83) Chrysene	14.063	228	81515	3.223	ng	97
85) Di-n-octyl phthalate	14.657	149	477	5.626	ng	# 1
88) Benzo(b)fluoranthene	15.109	252	109504	4.840	ng	98
89) Benzo(k)fluoranthene	15.109	252	109504	4.507	ng	99
90) Benzo(a)pyrene	15.492	252	51795	2.323	ng	98

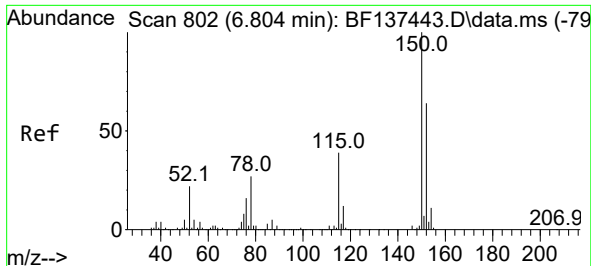
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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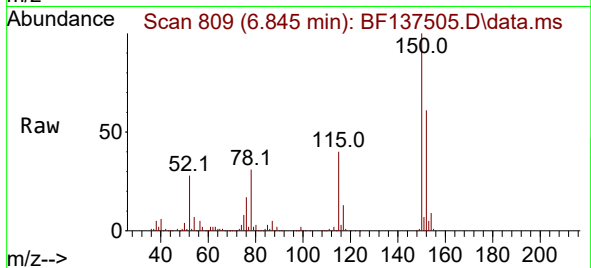
Quant Time: Mar 05 23:59:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 04 00:26:53 2024
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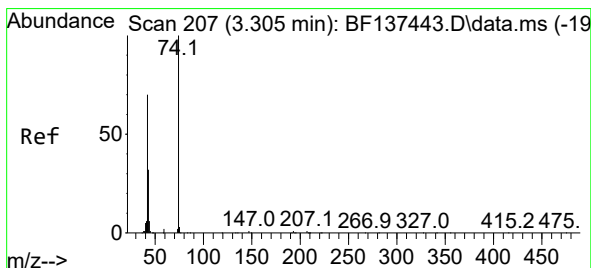
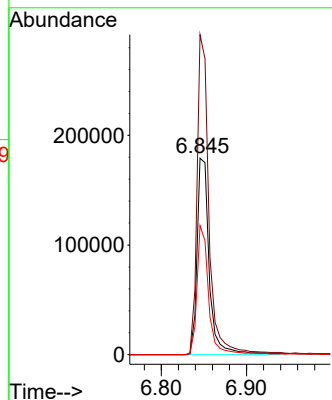
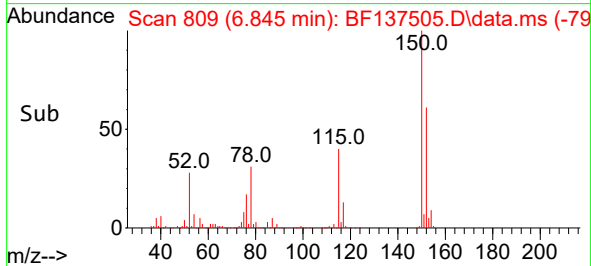


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 802
Delta R.T. -0.018 min
Lab File: BF137505.D
Acq: 05 Mar 2024 17:33

Instrument :
BNA_F
ClientSampleId :
1A

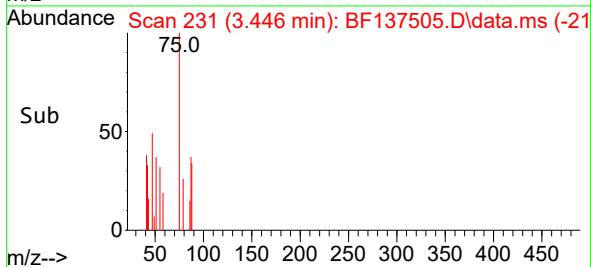
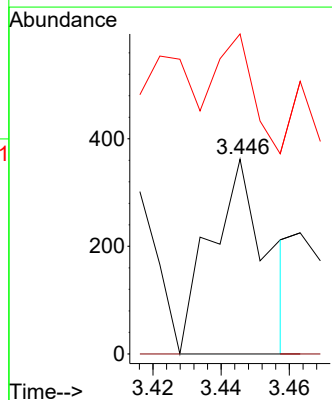
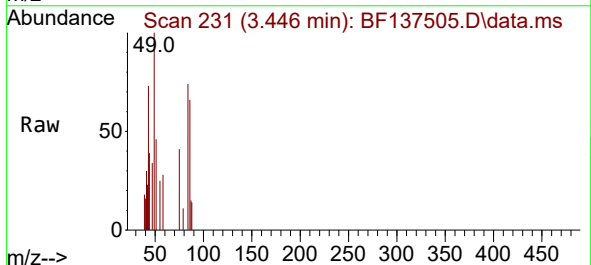


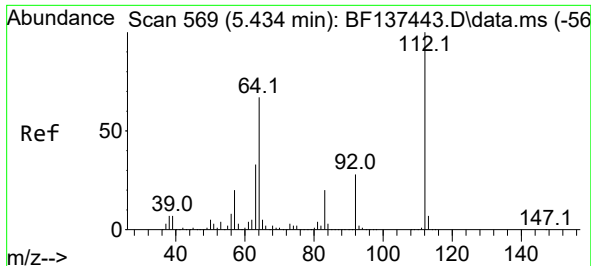
Tgt Ion:152 Resp: 179317
Ion Ratio Lower Upper
152 100
150 162.8 125.8 188.6
115 65.7 48.8 73.2



#4
n-Nitrosodimethylamine
Concen: 3.868 ng
RT: 3.446 min Scan# 231
Delta R.T. 0.000 min
Lab File: BF137505.D
Acq: 05 Mar 2024 17:33

Tgt Ion: 42 Resp: 412
Ion Ratio Lower Upper
42 100
74 0.0 114.0 171.0#
44 164.4 7.0 10.4#

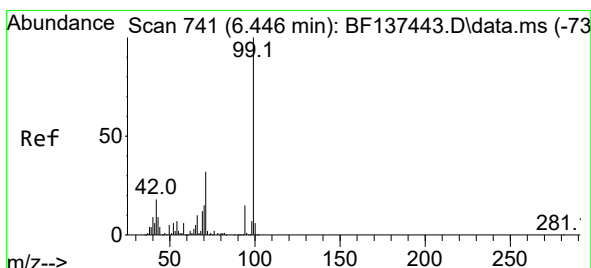
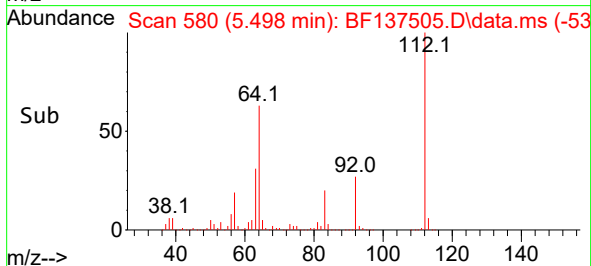
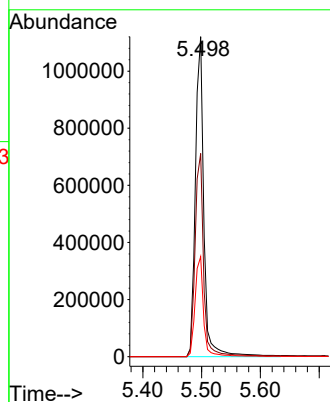
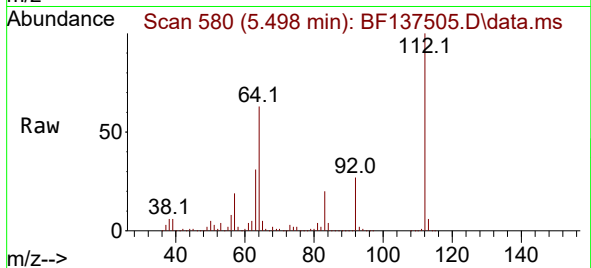




#5
2-Fluorophenol
Concen: 94.937 ng
RT: 5.498 min Scan# 51
Delta R.T. -0.012 min
Lab File: BF137505.D
Acq: 05 Mar 2024 17:33

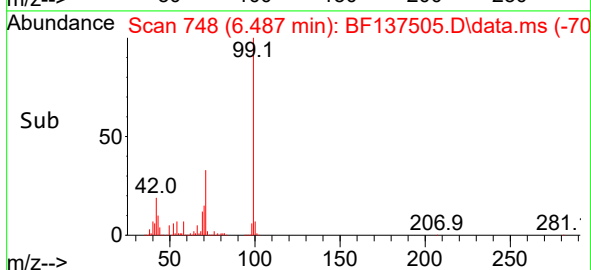
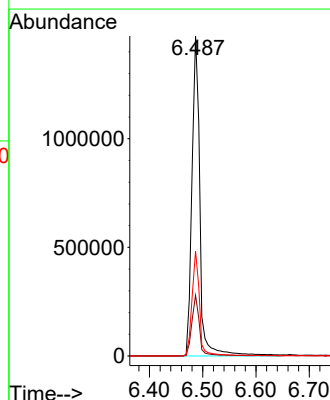
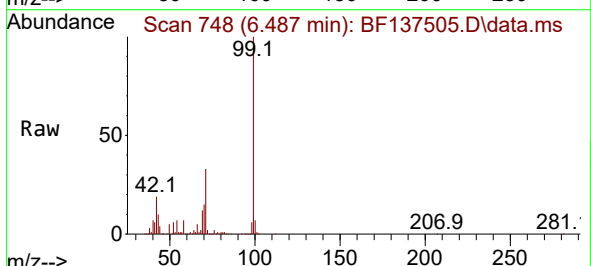
Instrument :
BNA_F
ClientSampleId :
1A

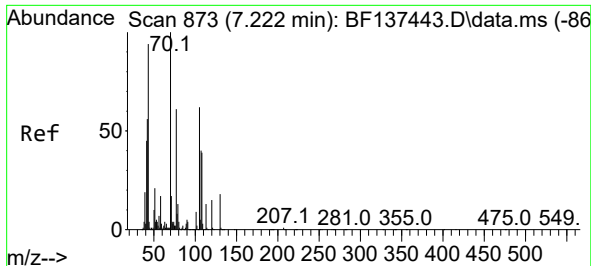
Tgt Ion:112 Resp: 1124031
Ion Ratio Lower Upper
112 100
64 63.5 53.4 80.2
63 31.3 26.2 39.2



#7
Phenol-d6
Concen: 90.100 ng
RT: 6.487 min Scan# 748
Delta R.T. -0.018 min
Lab File: BF137505.D
Acq: 05 Mar 2024 17:33

Tgt Ion: 99 Resp: 1539827
Ion Ratio Lower Upper
99 100
42 18.9 14.6 21.8
71 32.7 25.3 37.9

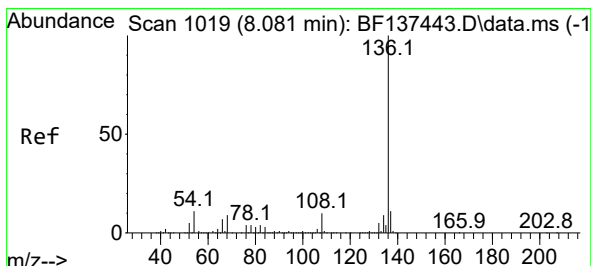
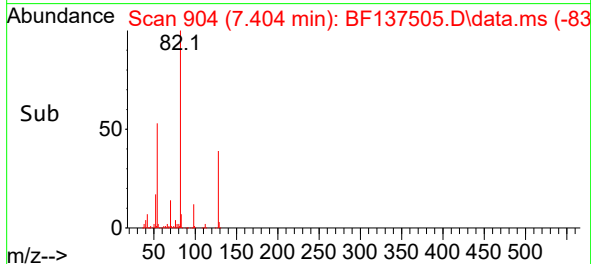
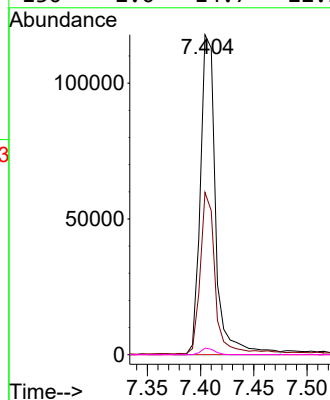
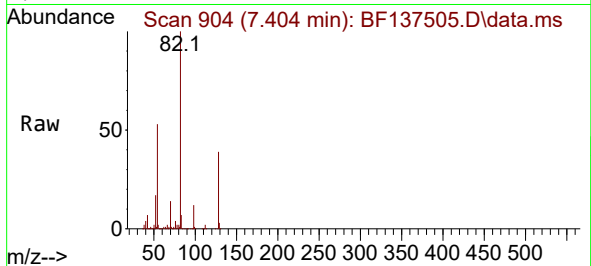




#19
n-Nitroso-di-n-propylamine
Concen: 11.243 ng
RT: 7.404 min Scan# 90
Delta R.T. 0.124 min
Lab File: BF137505.D
Acq: 05 Mar 2024 17:33

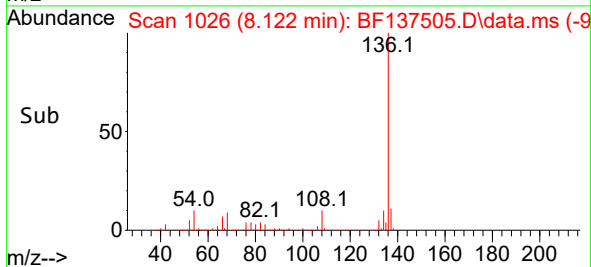
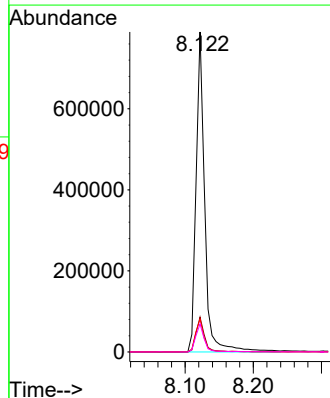
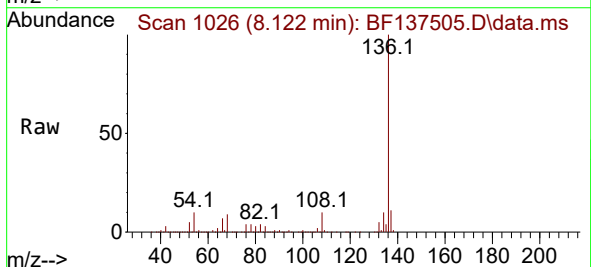
Instrument :
BNA_F
ClientSampleId :
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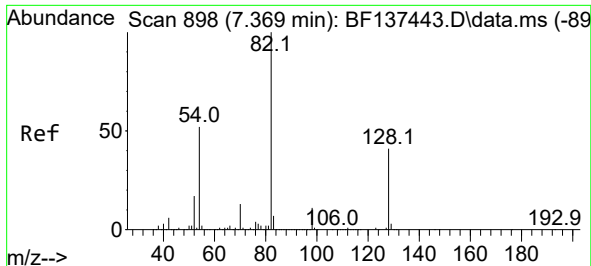
Tgt Ion: 70 Resp: 118651
Ion Ratio Lower Upper
70 100
42 50.7 45.2 67.8
101 0.0 7.3 10.9#
130 2.0 14.7 22.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BF137505.D
Acq: 05 Mar 2024 17:33

Tgt Ion: 136 Resp: 692187
Ion Ratio Lower Upper
136 100
137 10.9 9.1 13.7
54 10.3 8.5 12.7
68 8.8 7.4 11.2





#23

Nitrobenzene-d5

Concen: 62.417 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.024 min

Lab File: BF137505.D

Acq: 05 Mar 2024 17:33

Instrument :

BNA_F

ClientSampleId :

1A

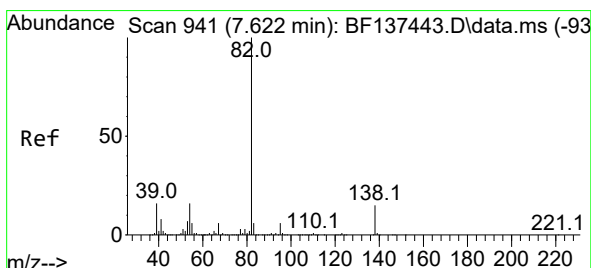
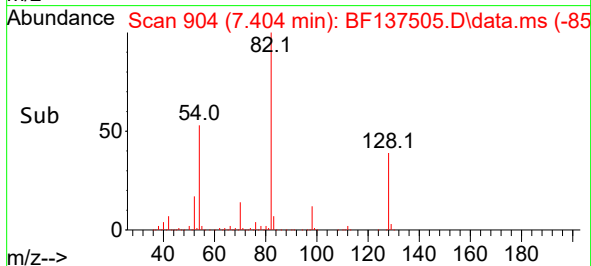
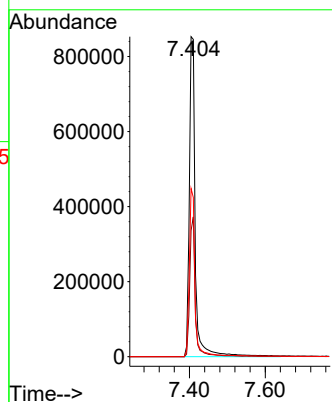
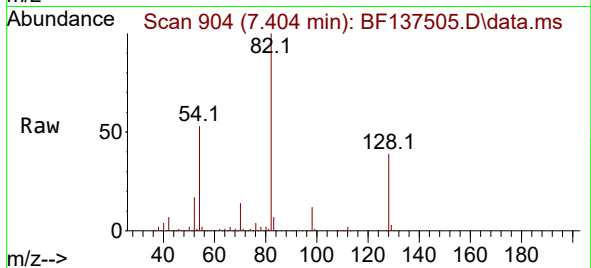
Tgt Ion: 82 Resp: 929838

Ion Ratio Lower Upper

82 100

128 39.4 32.5 48.7

54 52.5 41.5 62.3



#25

Isophorone

Concen: 32.854 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.276 min

Lab File: BF137505.D

Acq: 05 Mar 2024 17:33

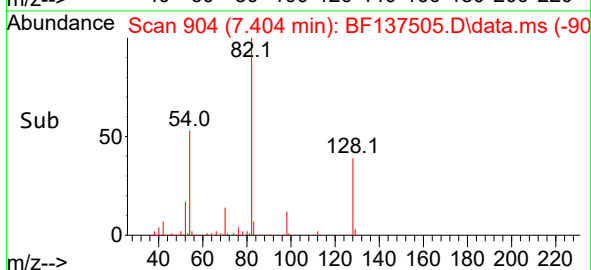
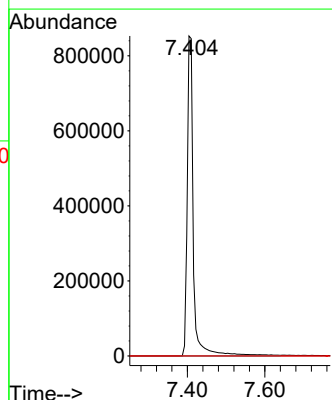
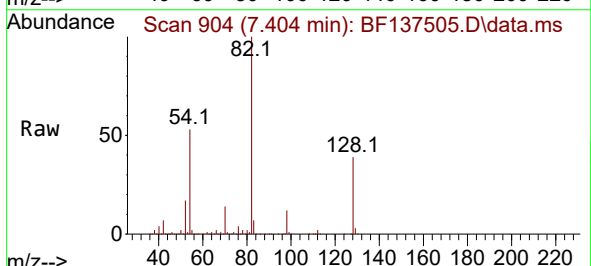
Tgt Ion: 82 Resp: 929833

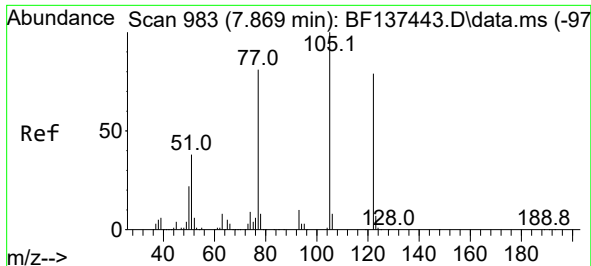
Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

138 0.0 11.8 17.8#

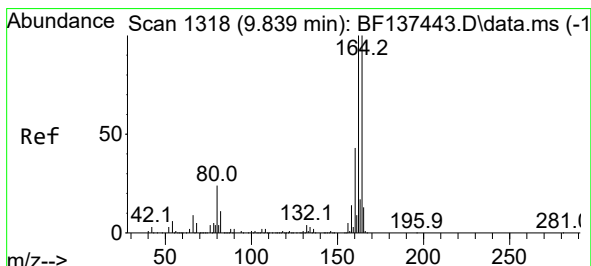
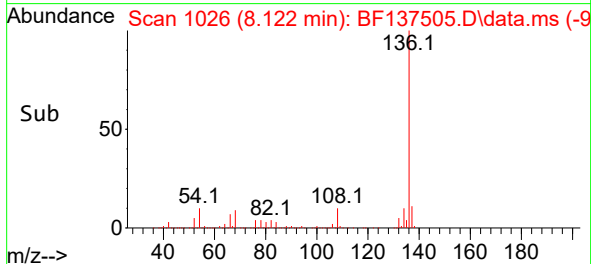
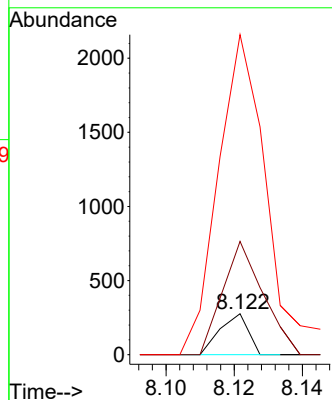
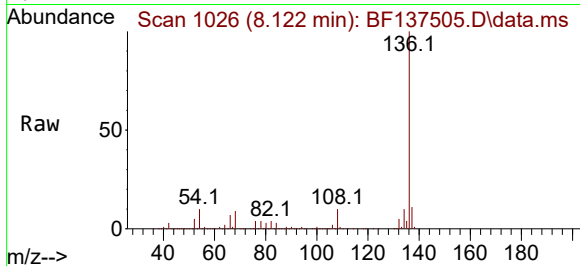




#32
Benzoic acid
Concen: 6.320 ng
RT: 8.122 min Scan# 1026
Delta R.T. 0.194 min
Lab File: BF137505.D
Acq: 05 Mar 2024 17:33

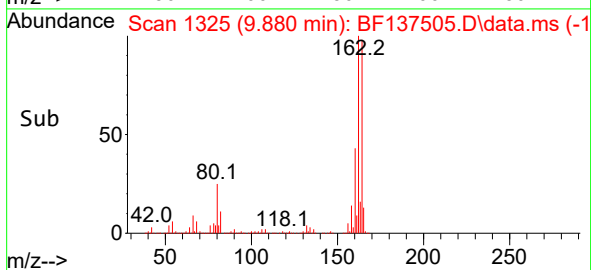
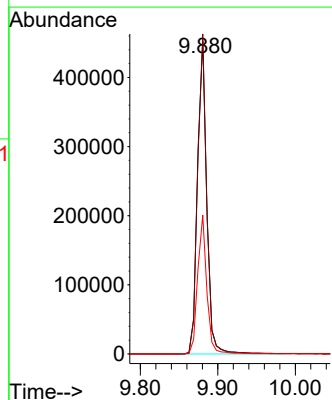
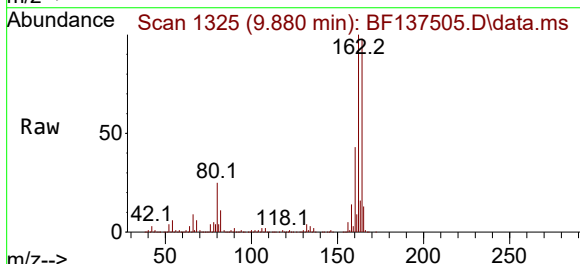
Instrument :
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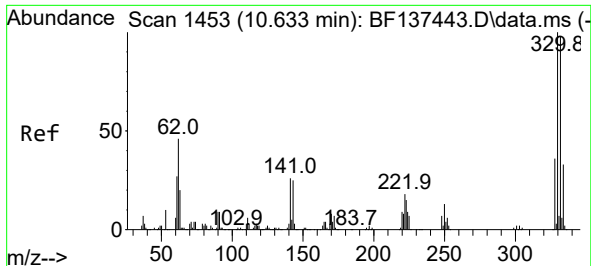
Tgt Ion:122 Resp: 159
Ion Ratio Lower Upper
122 100
105 276.8 102.4 142.4#
77 782.2 81.1 121.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.012 min
Lab File: BF137505.D
Acq: 05 Mar 2024 17:33

Tgt Ion:164 Resp: 378764
Ion Ratio Lower Upper
164 100
162 102.2 79.8 119.8
160 44.4 34.4 51.6

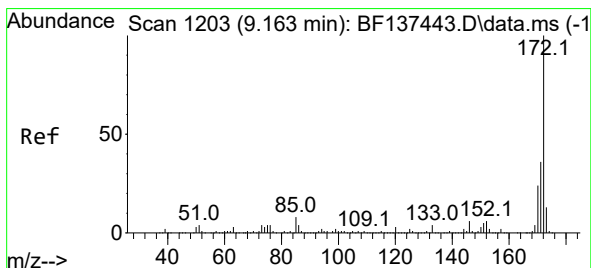
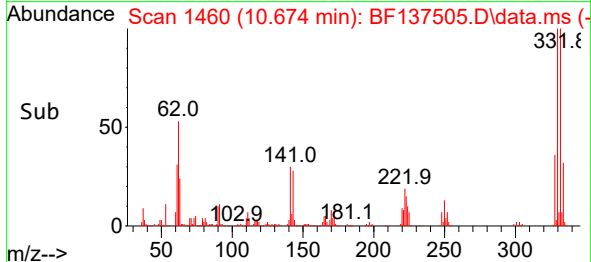
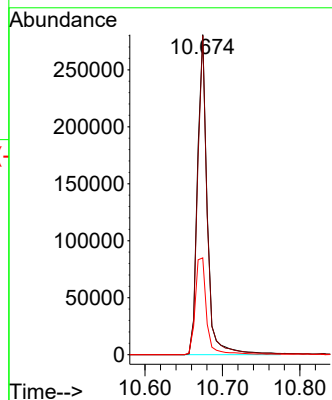
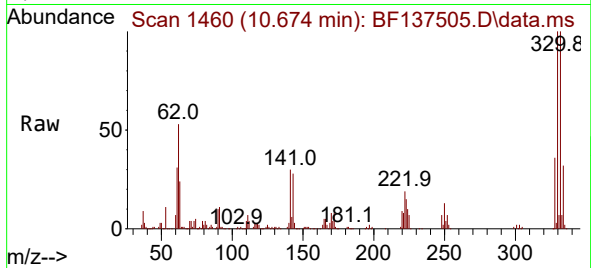




#42
2,4,6-Tribromophenol
Concen: 74.182 ng
RT: 10.674 min Scan# 1453
Delta R.T. -0.018 min
Lab File: BF137505.D
Acq: 05 Mar 2024 17:33

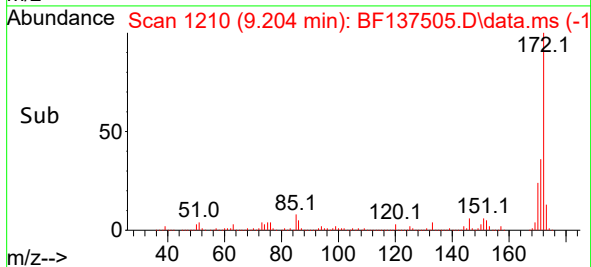
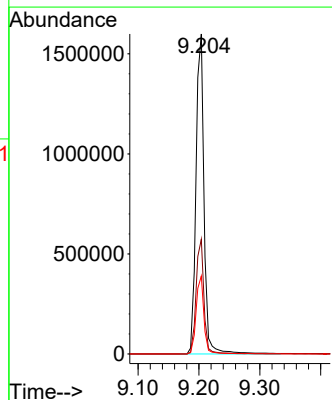
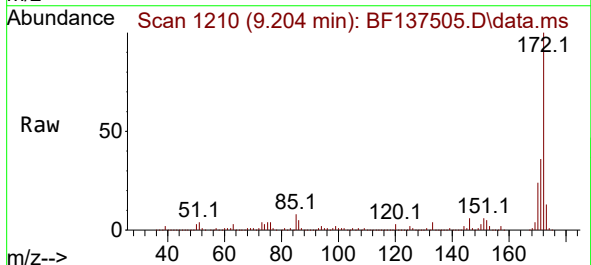
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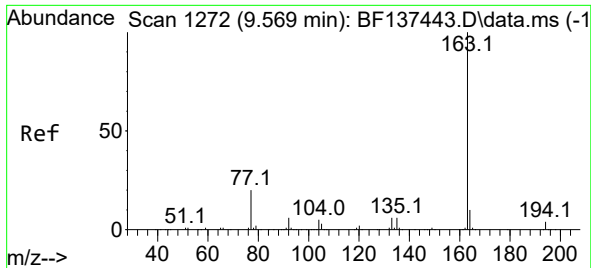
Tgt Ion:330 Resp: 246743
Ion Ratio Lower Upper
330 100
332 98.6 78.0 117.0
141 35.4 27.3 40.9



#45
2-Fluorobiphenyl
Concen: 60.909 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.012 min
Lab File: BF137505.D
Acq: 05 Mar 2024 17:33

Tgt Ion:172 Resp: 1473785
Ion Ratio Lower Upper
172 100
171 35.9 28.5 42.7
170 24.4 19.0 28.6

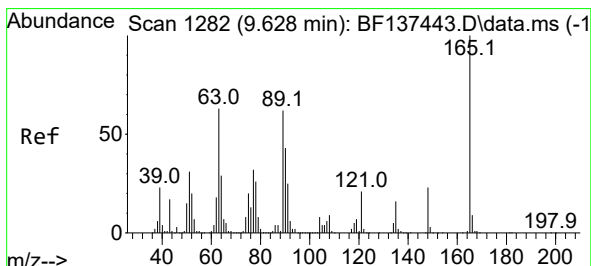
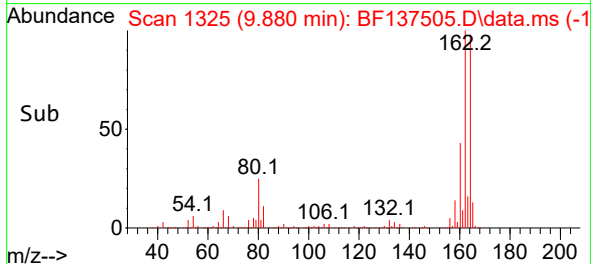
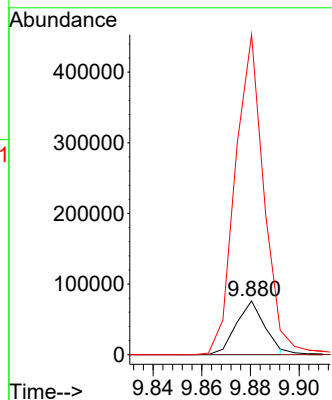
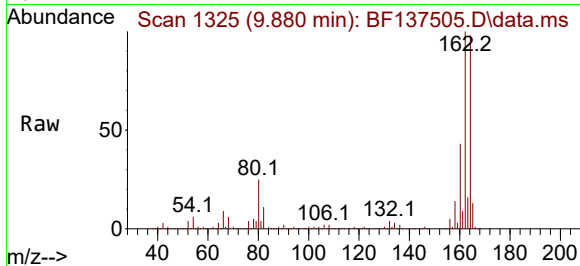




#50
Dimethylphthalate
Concen: 2.349 ng
RT: 9.880 min Scan# 11
Delta R.T. 0.253 min
Lab File: BF137505.D
Acq: 05 Mar 2024 17:33

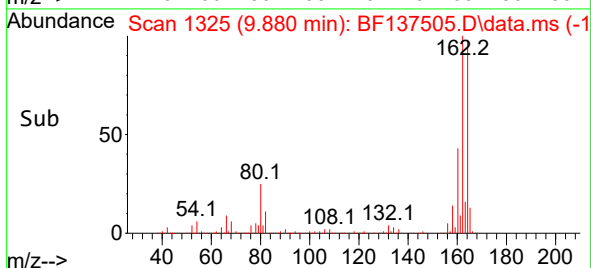
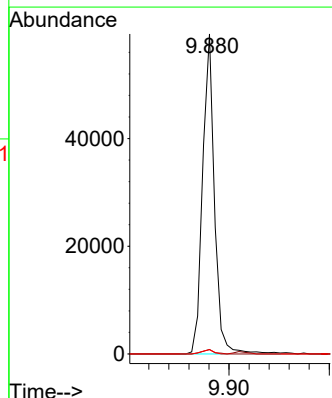
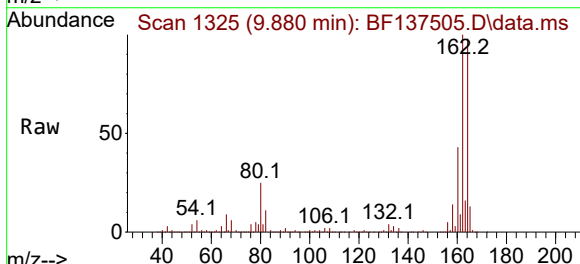
Instrument :
BNA_F
ClientSampleId :
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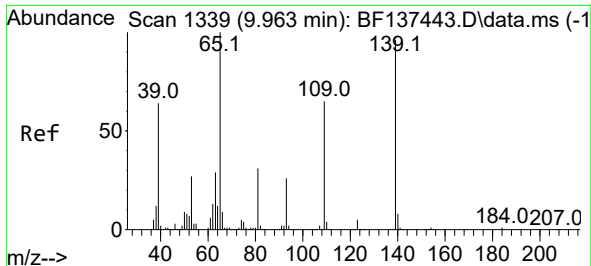
Tgt Ion:163 Resp: 61925
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 595.5 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.906 ng
RT: 9.880 min Scan# 1325
Delta R.T. 0.194 min
Lab File: BF137505.D
Acq: 05 Mar 2024 17:33

Tgt Ion:165 Resp: 49116
Ion Ratio Lower Upper
165 100
63 1.4 50.7 76.1#
89 1.3 50.0 75.0#

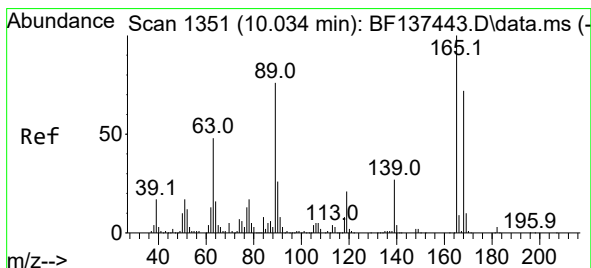
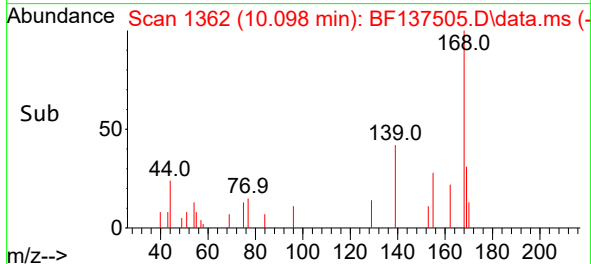
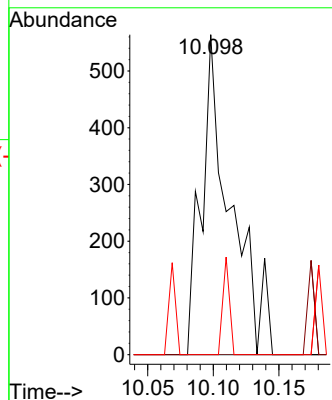
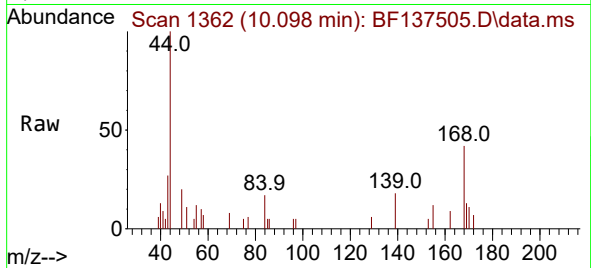




#56
4-Nitrophenol
Concen: 4.725 ng
RT: 10.098 min Scan# 11
Delta R.T. 0.077 min
Lab File: BF137505.D
Acq: 05 Mar 2024 17:33

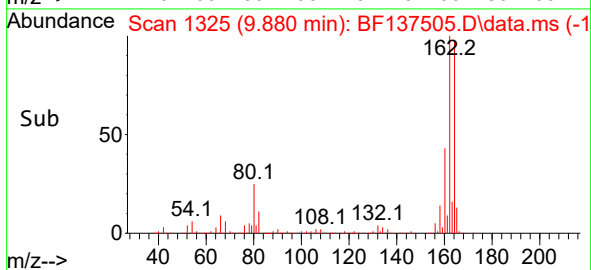
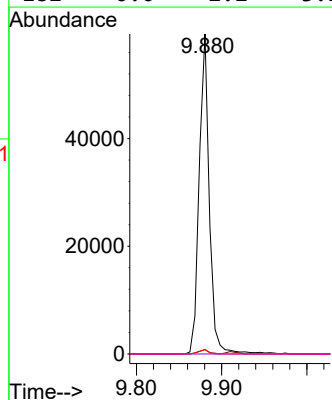
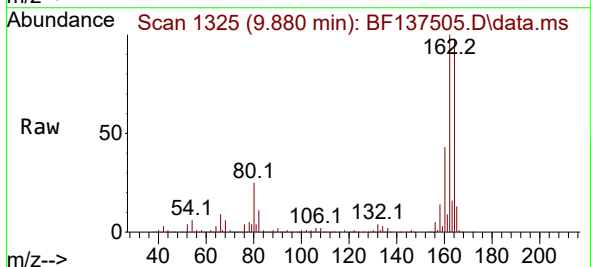
Instrument :
BNA_F
ClientSampleId :
1A

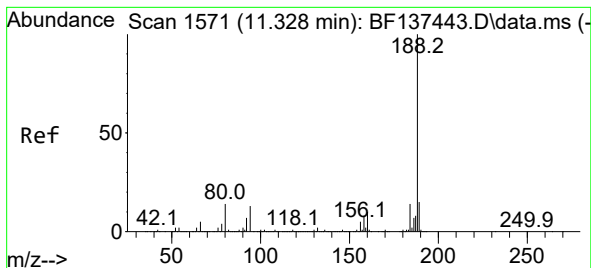
Tgt Ion:139 Resp: 873
Ion Ratio Lower Upper
139 100
109 0.0 47.1 87.1#
65 0.0 85.1 125.1#



#57
2,4-Dinitrotoluene
Concen: 7.270 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.212 min
Lab File: BF137505.D
Acq: 05 Mar 2024 17:33

Tgt Ion:165 Resp: 49258
Ion Ratio Lower Upper
165 100
63 1.4 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: 11.374 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF137505.D

Acq: 05 Mar 2024 17:33

Instrument :

BNA_F

ClientSampleId :

1A

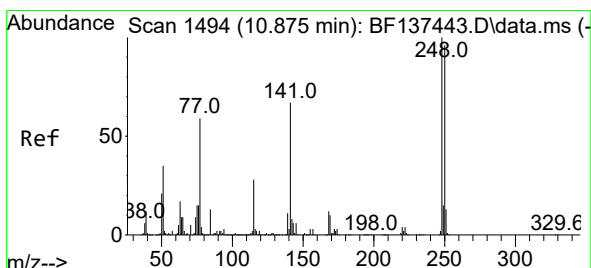
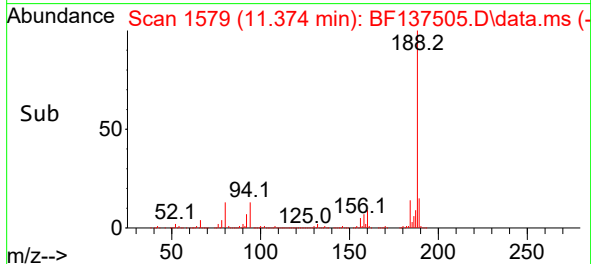
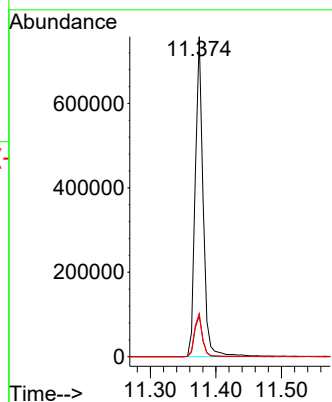
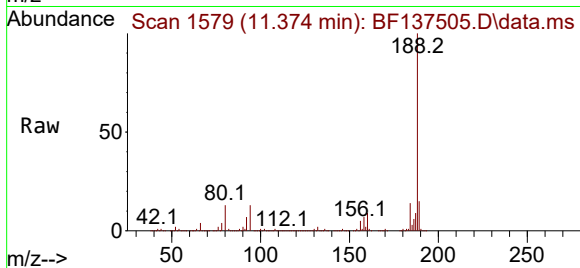
Tgt Ion:188 Resp: 637888

Ion Ratio Lower Upper

188 100

94 12.8 10.6 15.8

80 13.5 11.5 17.3



#67

4-Bromophenyl-phenylether

Concen: 2.546 ng

RT: 10.674 min Scan# 1460

Delta R.T. -0.259 min

Lab File: BF137505.D

Acq: 05 Mar 2024 17:33

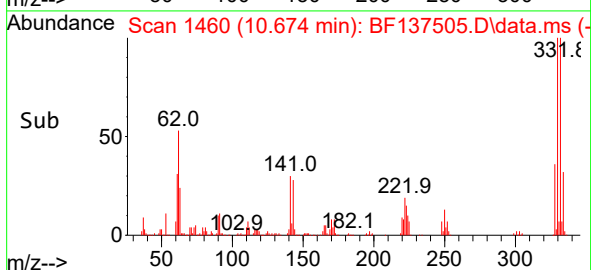
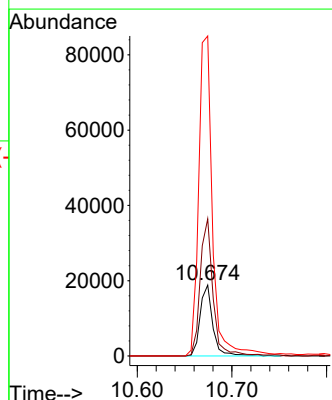
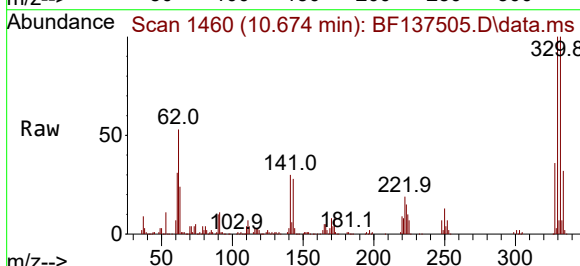
Tgt Ion:248 Resp: 17687

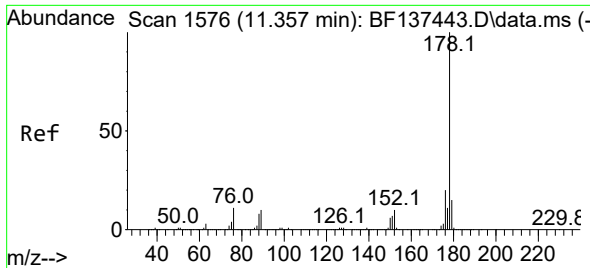
Ion Ratio Lower Upper

248 100

250 193.6 76.8 115.2#

141 451.9 53.4 80.0#

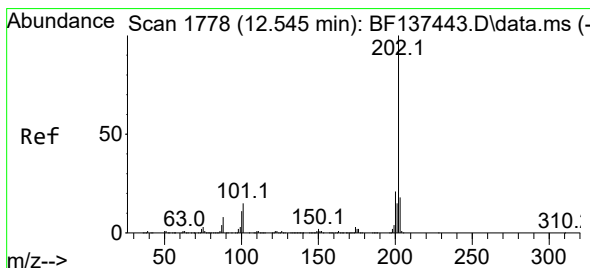
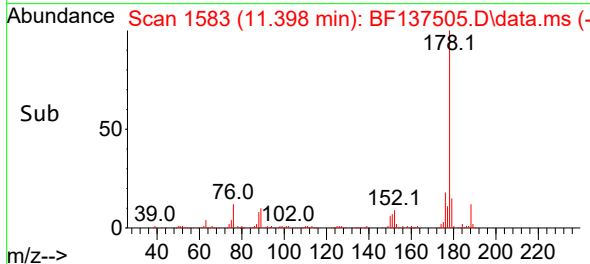
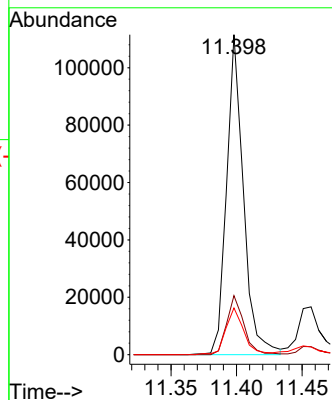
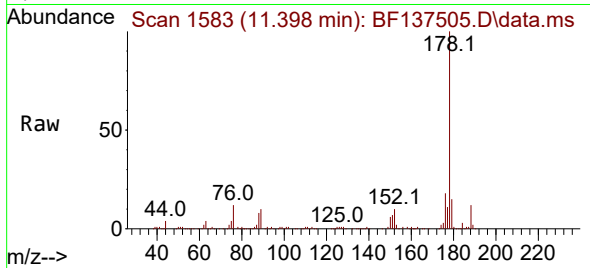




#71
Phenanthrene
Concen: 2.871 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF137505.D
Acq: 05 Mar 2024 17:33

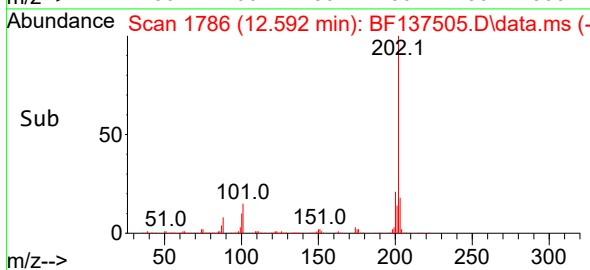
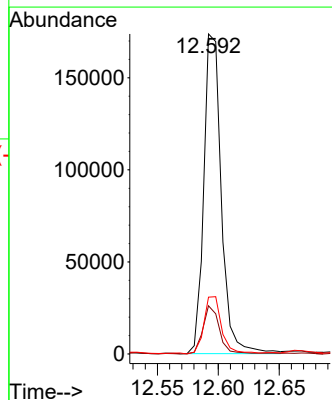
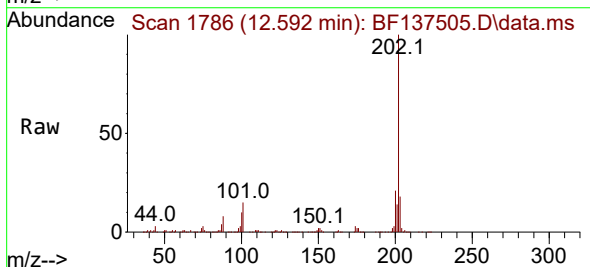
Instrument :
BNA_F
ClientSampleId :
1A

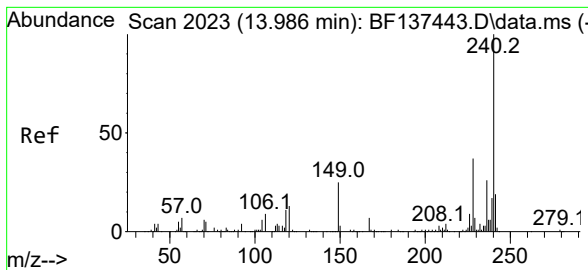
Tgt Ion:178 Resp: 99651
Ion Ratio Lower Upper
178 100
176 18.4 15.8 23.8
179 14.6 12.2 18.2



#75
Fluoranthene
Concen: 5.117 ng
RT: 12.592 min Scan# 1786
Delta R.T. -0.018 min
Lab File: BF137505.D
Acq: 05 Mar 2024 17:33

Tgt Ion:202 Resp: 173627
Ion Ratio Lower Upper
202 100
101 15.1 0.0 35.0
203 17.7 0.0 37.7

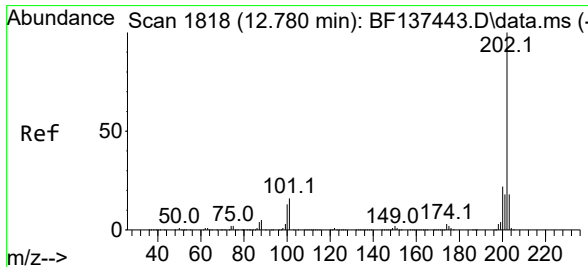
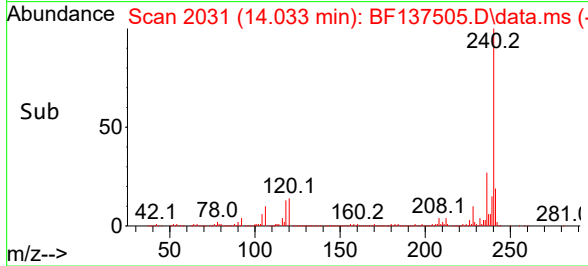
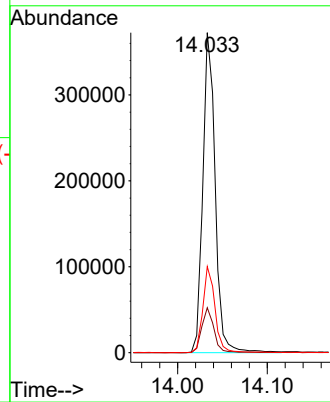
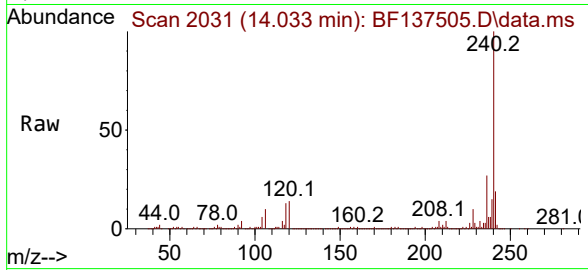




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 20
Delta R.T. -0.018 min
Lab File: BF137505.D
Acq: 05 Mar 2024 17:33

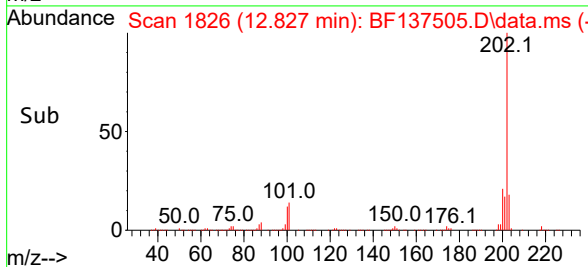
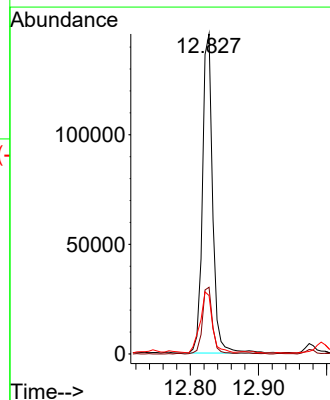
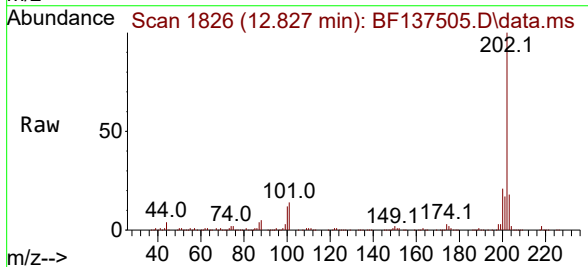
Instrument :
BNA_F
ClientSampleId :
1A

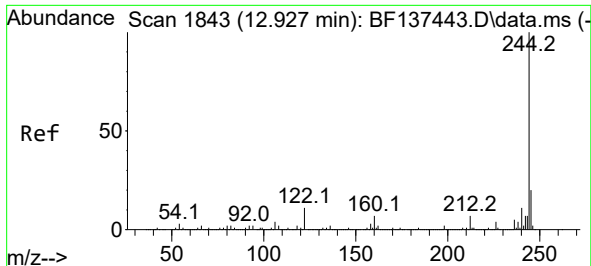
Tgt Ion:240 Resp: 357083
Ion Ratio Lower Upper
240 100
120 14.1 10.4 15.6
236 26.9 20.9 31.3



#78
Pyrene
Concen: 4.318 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.012 min
Lab File: BF137505.D
Acq: 05 Mar 2024 17:33

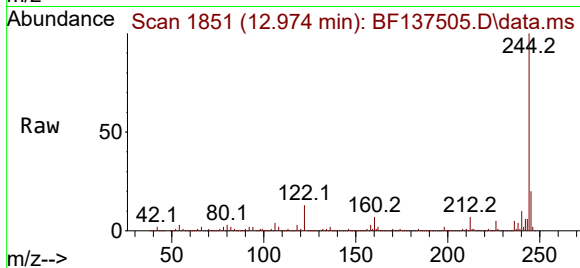
Tgt Ion:202 Resp: 151292
Ion Ratio Lower Upper
202 100
200 20.9 17.4 26.2
203 18.3 14.1 21.1



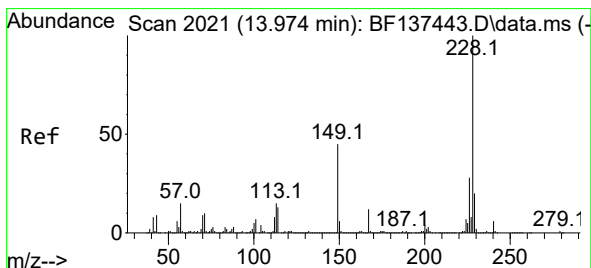
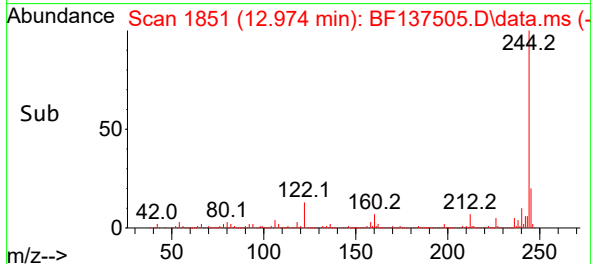
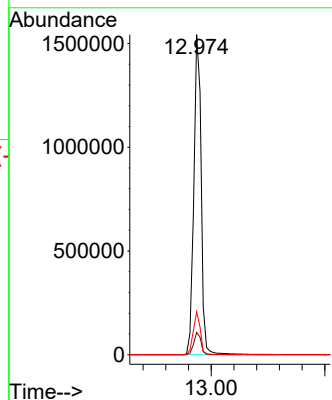


#79
 Terphenyl-d14
 Concen: 53.432 ng
 RT: 12.974 min Scan# 1851
 Delta R.T. -0.018 min
 Lab File: BF137505.D
 Acq: 05 Mar 2024 17:33

Instrument :
 BNA_F
 ClientSampleId :
 1A

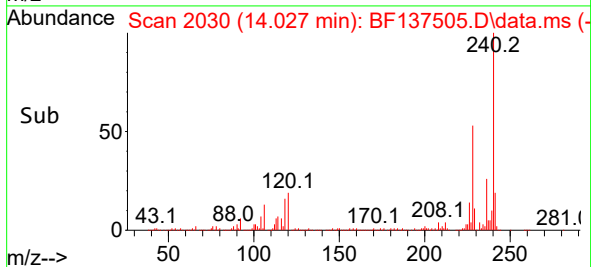
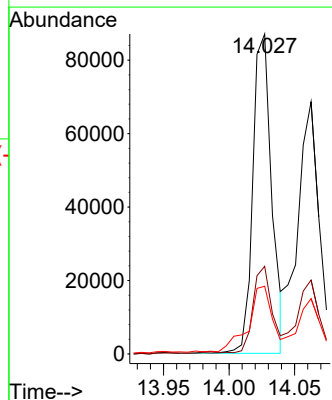
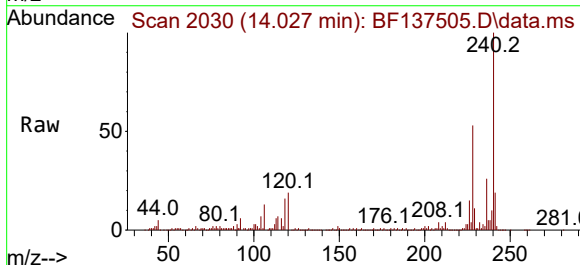


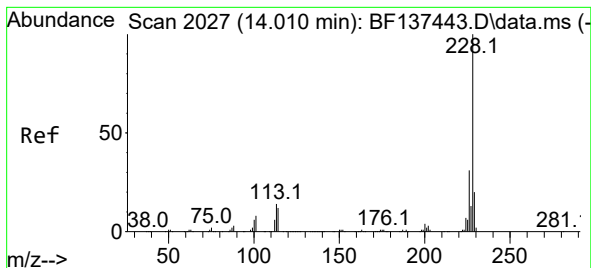
Tgt Ion:244 Resp: 1387498
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.2
 122 13.4 9.1 13.7



#81
 Benzo(a)anthracene
 Concen: 3.486 ng
 RT: 14.027 min Scan# 2030
 Delta R.T. -0.012 min
 Lab File: BF137505.D
 Acq: 05 Mar 2024 17:33

Tgt Ion:228 Resp: 87249
 Ion Ratio Lower Upper
 228 100
 226 27.4 22.3 33.5
 229 21.1 16.3 24.5





#83

Chrysene

Concen: 3.223 ng

RT: 14.063 min Scan# 2027

Delta R.T. -0.012 min

Lab File: BF137505.D

Acq: 05 Mar 2024 17:33

Instrument :

BNA_F

ClientSampleId :

1A

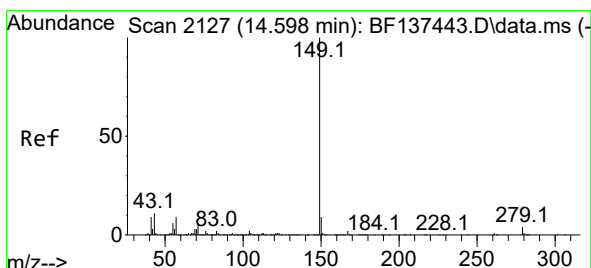
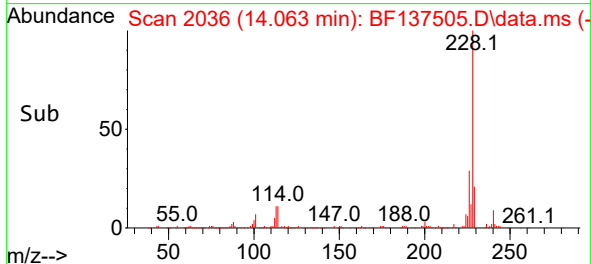
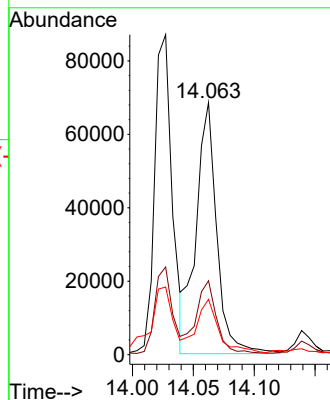
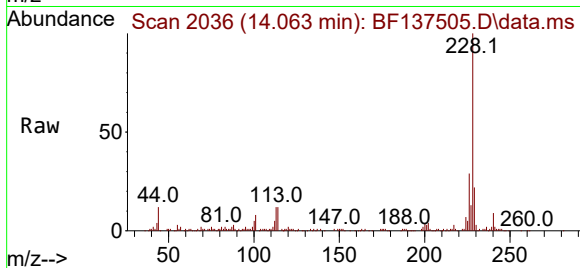
Tgt Ion:228 Resp: 81515

Ion Ratio Lower Upper

228 100

226 29.3 24.7 37.1

229 22.0 15.9 23.9



#85

Di-n-octyl phthalate

Concen: 5.626 ng

RT: 14.657 min Scan# 2137

Delta R.T. -0.006 min

Lab File: BF137505.D

Acq: 05 Mar 2024 17:33

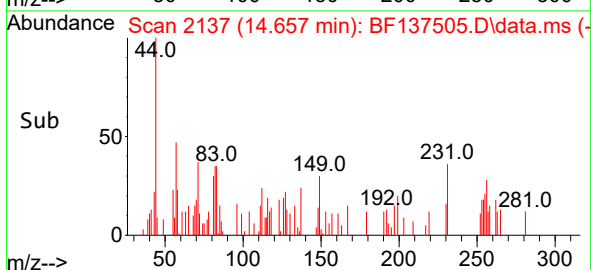
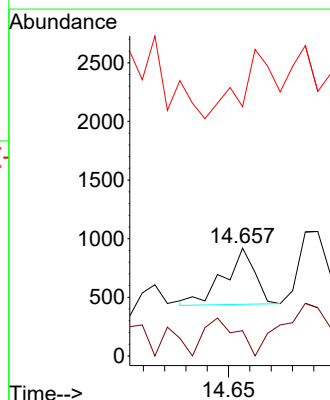
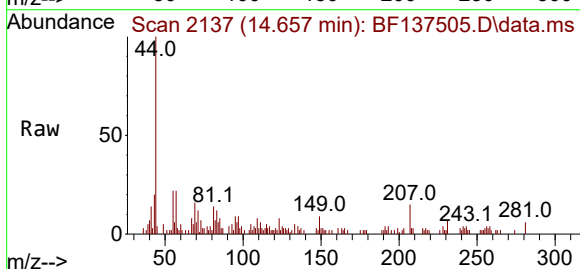
Tgt Ion:149 Resp: 477

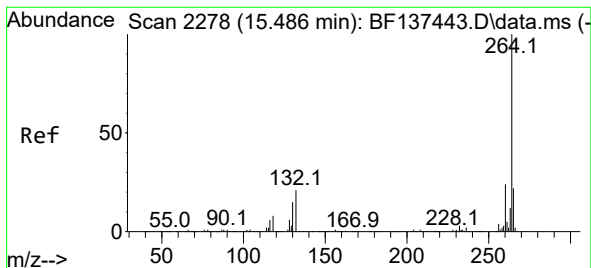
Ion Ratio Lower Upper

149 100

167 72.5 1.2 1.8#

43 131.4 9.6 14.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF137505.D

Acq: 05 Mar 2024 17:33

Instrument :

BNA_F

ClientSampleId :

1A

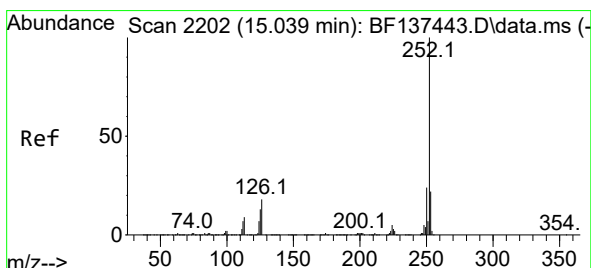
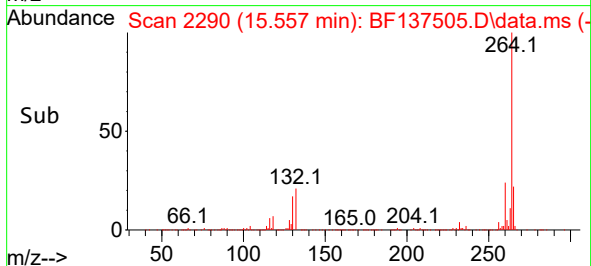
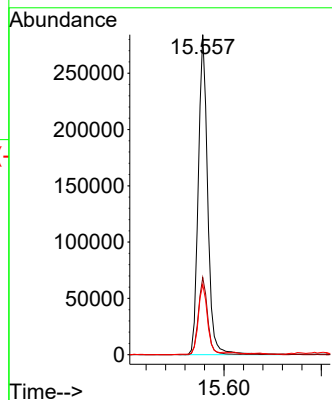
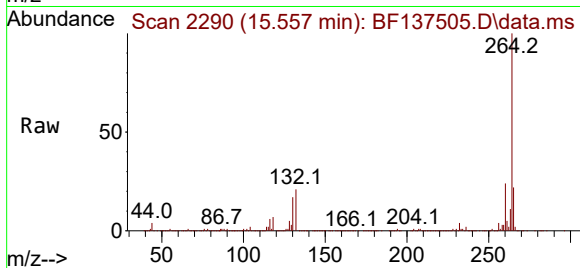
Tgt Ion:264 Resp: 382440

Ion Ratio Lower Upper

264 100

260 24.1 19.3 28.9

265 21.9 17.4 26.0



#88

Benzo(b)fluoranthene

Concen: 4.840 ng

RT: 15.109 min Scan# 2214

Delta R.T. -0.006 min

Lab File: BF137505.D

Acq: 05 Mar 2024 17:33

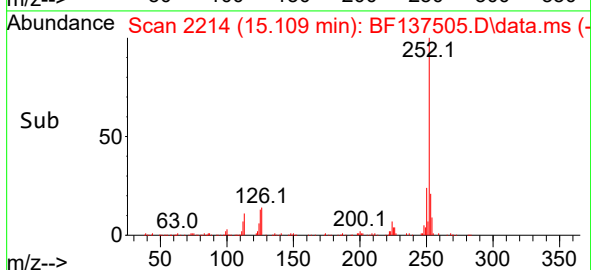
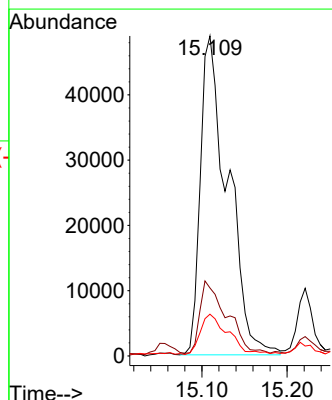
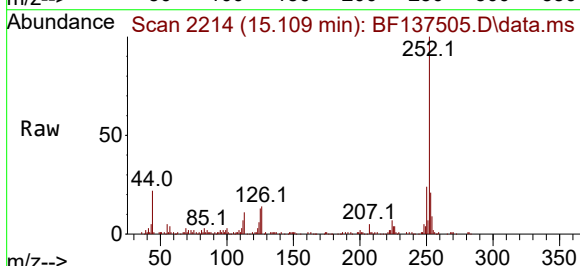
Tgt Ion:252 Resp: 109504

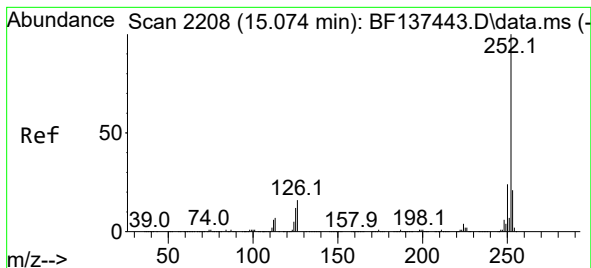
Ion Ratio Lower Upper

252 100

253 21.3 17.8 26.8

125 13.1 10.1 15.1





#89

Benzo(k)fluoranthene

Concen: 4.507 ng

RT: 15.109 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF137505.D

Acq: 05 Mar 2024 17:33

Instrument :

BNA_F

ClientSampleId :

1A

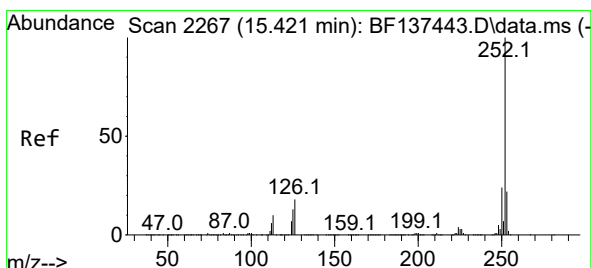
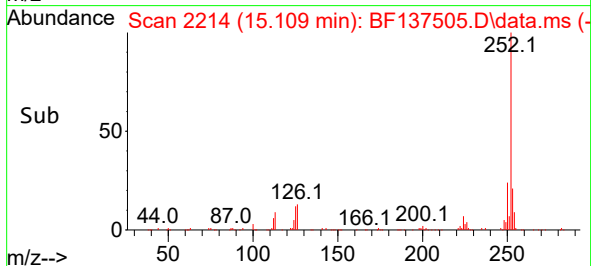
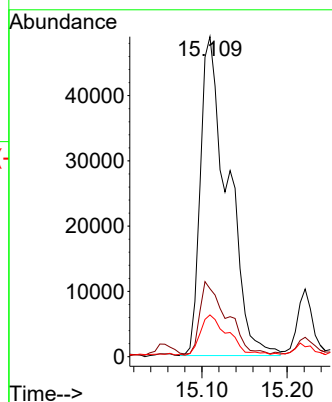
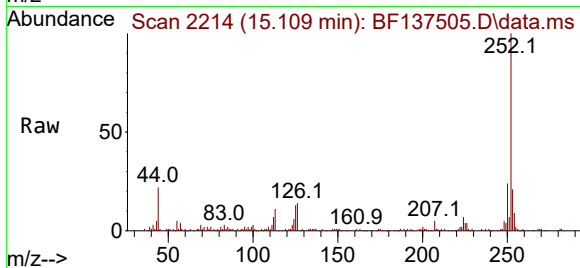
Tgt Ion:252 Resp: 109504

Ion Ratio Lower Upper

252 100

253 21.3 17.3 25.9

125 13.1 9.6 14.4



#90

Benzo(a)pyrene

Concen: 2.323 ng

RT: 15.492 min Scan# 2279

Delta R.T. -0.012 min

Lab File: BF137505.D

Acq: 05 Mar 2024 17:33

Tgt Ion:252 Resp: 51795

Ion Ratio Lower Upper

252 100

253 23.5 17.4 26.2

125 13.0 10.4 15.6

