

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030524\
 Data File : BF137507.D
 Acq On : 05 Mar 2024 18:35
 Operator : CG\JU
 Sample : P1672-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: Mar 05 23:59:41 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

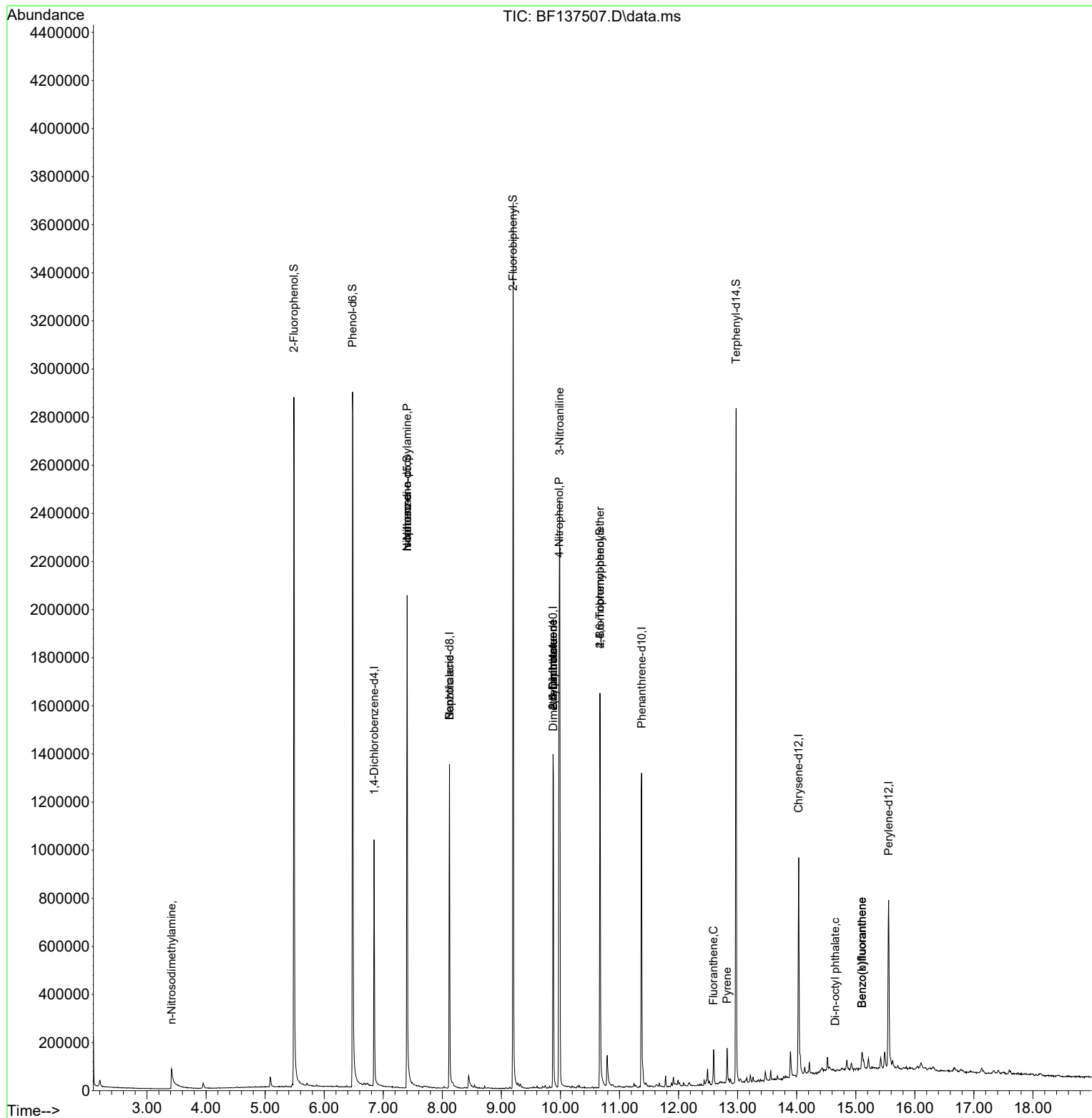
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	144458	20.000	ng	-0.02
21) Naphthalene-d8	8.122	136	550227	20.000	ng	-0.01
39) Acenaphthene-d10	9.875	164	301106	20.000	ng	-0.02
64) Phenanthrene-d10	11.375	188	503253	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	295616	20.000	ng	-0.02
86) Perylene-d12	15.557	264	343492	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	836811	87.734	ng	-0.02
7) Phenol-d6	6.481	99	1113657	80.888	ng	-0.02
23) Nitrobenzene-d5	7.404	82	652162	55.072	ng	-0.02
42) 2,4,6-Tribromophenol	10.669	330	175777	66.476	ng	-0.02
45) 2-Fluorobiphenyl	9.198	172	1027835	53.434	ng	-0.02
79) Terphenyl-d14	12.974	244	971056	45.170	ng	-0.02
Target Compounds						
4) n-Nitrosodimethylamine	3.416	42	4594	4.639	ng	# 1
19) n-Nitroso-di-n-propyla...	7.404	70	85392	10.044	ng	# 81
25) Isophorone	7.404	82	652158	28.988	ng	# 69
32) Benzoic acid	8.122	122	149	6.324	ng	# 1
50) Dimethylphthalate	9.881	163	48022	2.291	ng	# 1
51) 2,6-Dinitrotoluene	9.875	165	38440	8.768	ng	# 21
53) 3-Nitroaniline	9.986	138	18183	3.921	ng	# 1
56) 4-Nitrophenol	9.981	139	2344	5.197	ng	# 1
57) 2,4-Dinitrotoluene	9.875	165	38440	7.137	ng	# 21
67) 4-Bromophenyl-phenylether	10.669	248	12710	2.319	ng	# 1
75) Fluoranthene	12.592	202	59571	2.225	ng	98
78) Pyrene	12.822	202	60570	2.088	ng	97
85) Di-n-octyl phthalate	14.651	149	735	5.643	ng	# 1
88) Benzo(b)fluoranthene	15.104	252	56898	2.800	ng	94
89) Benzo(k)fluoranthene	15.104	252	56898	2.607	ng	# 92

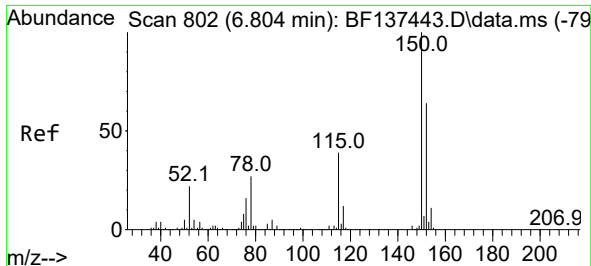
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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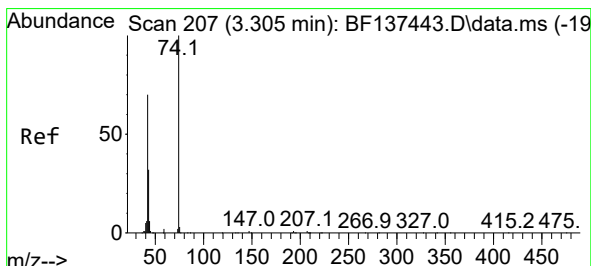
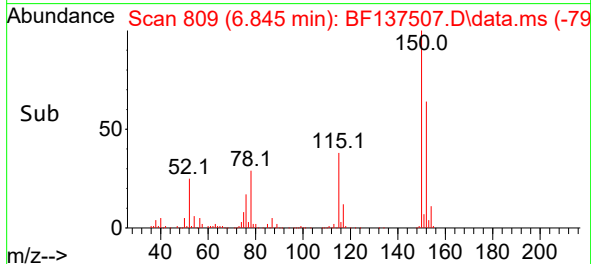
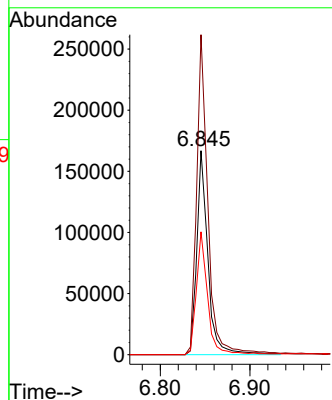
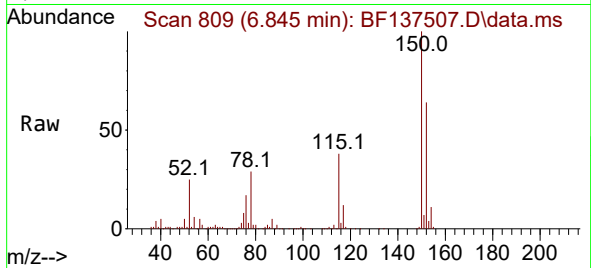




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 802
Delta R.T. -0.018 min
Lab File: BF137507.D
Acq: 05 Mar 2024 18:35

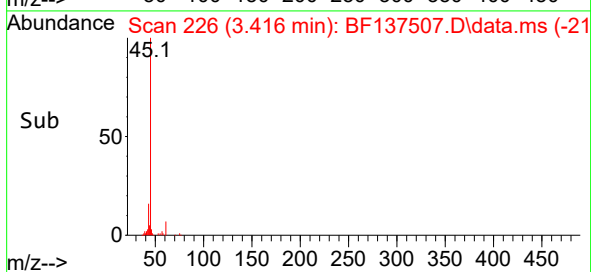
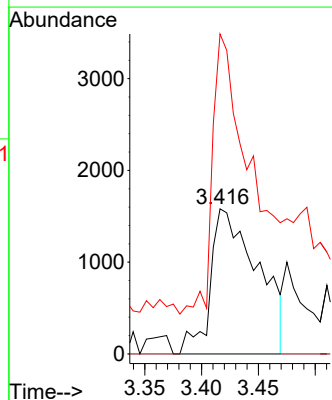
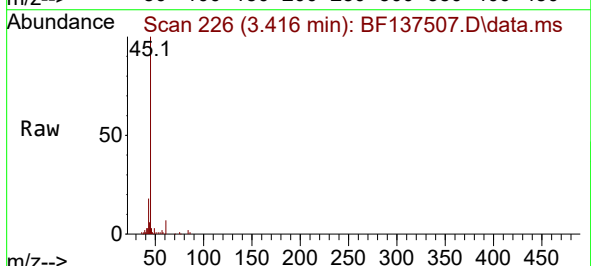
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BNA_F
ClientSampleId :
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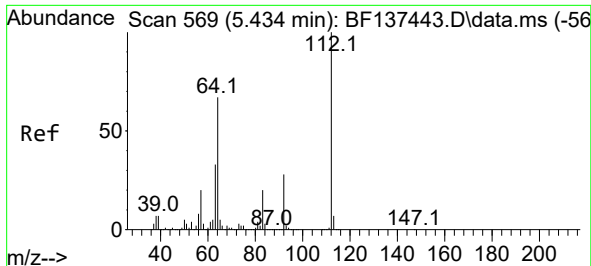
Tgt Ion:152 Resp: 144458
Ion Ratio Lower Upper
152 100
150 156.9 125.8 188.6
115 60.2 48.8 73.2



#4
n-Nitrosodimethylamine
Concen: 4.639 ng
RT: 3.416 min Scan# 226
Delta R.T. -0.029 min
Lab File: BF137507.D
Acq: 05 Mar 2024 18:35

Tgt Ion: 42 Resp: 4594
Ion Ratio Lower Upper
42 100
74 0.0 114.0 171.0#
44 220.4 7.0 10.4#

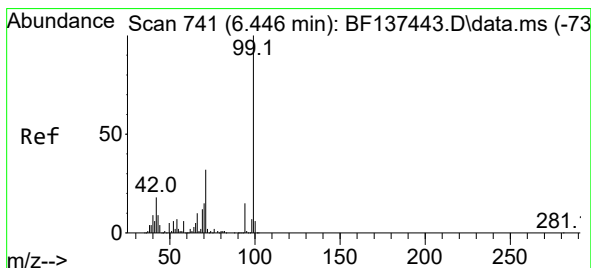
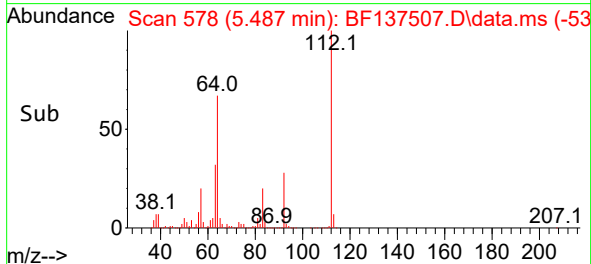
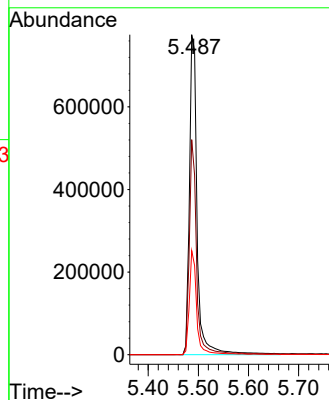
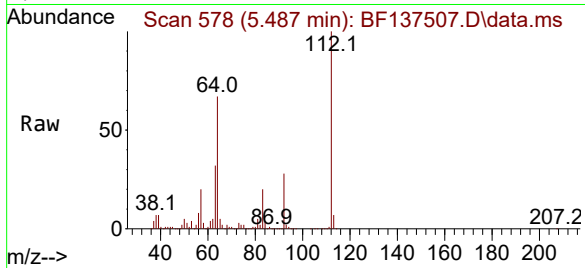




#5
2-Fluorophenol
Concen: 87.734 ng
RT: 5.487 min Scan# 51
Delta R.T. -0.023 min
Lab File: BF137507.D
Acq: 05 Mar 2024 18:35

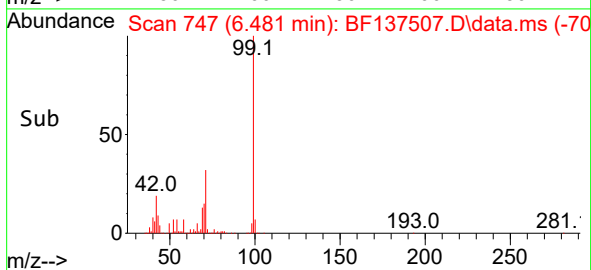
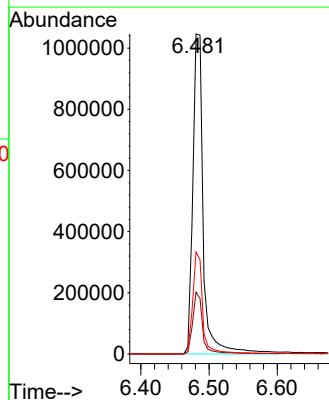
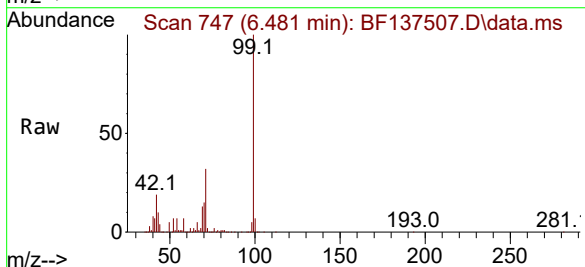
Instrument :
BNA_F
ClientSampleId :
TP-1

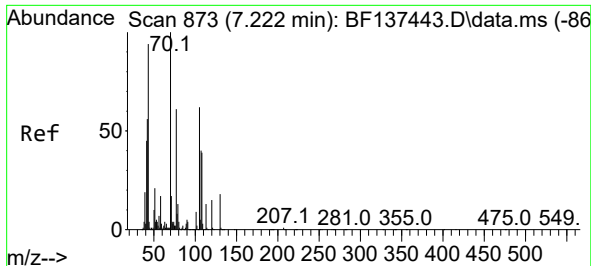
Tgt Ion:112 Resp: 836811
Ion Ratio Lower Upper
112 100
64 67.2 53.4 80.2
63 32.5 26.2 39.2



#7
Phenol-d6
Concen: 80.888 ng
RT: 6.481 min Scan# 747
Delta R.T. -0.023 min
Lab File: BF137507.D
Acq: 05 Mar 2024 18:35

Tgt Ion: 99 Resp: 1113657
Ion Ratio Lower Upper
99 100
42 19.3 14.6 21.8
71 31.8 25.3 37.9





#19

n-Nitroso-di-n-propylamine

Concen: 10.044 ng

RT: 7.404 min Scan# 90

Delta R.T. 0.124 min

Lab File: BF137507.D

Acq: 05 Mar 2024 18:35

Instrument :

BNA_F

ClientSampleId :

TP-1

Tgt Ion: 70 Resp: 85392

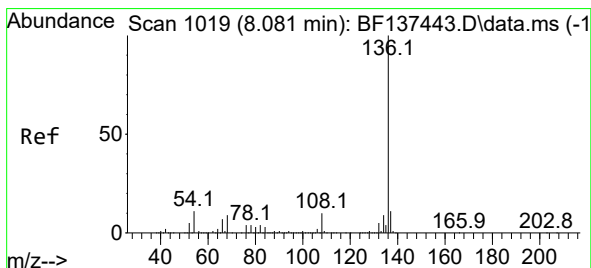
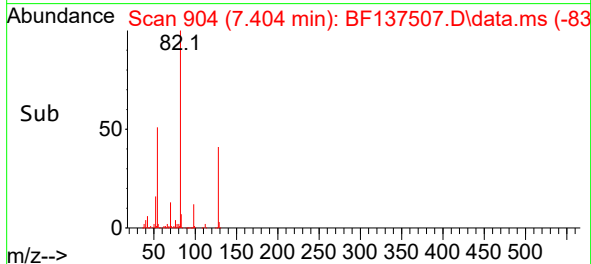
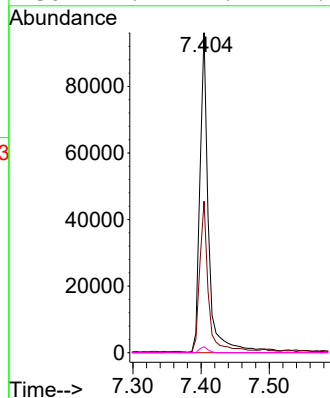
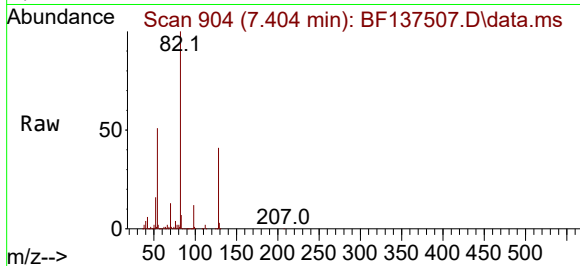
Ion Ratio Lower Upper

70 100

42 47.4 45.2 67.8

101 0.0 7.3 10.9#

130 1.9 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: BF137507.D

Acq: 05 Mar 2024 18:35

Tgt Ion:136 Resp: 550227

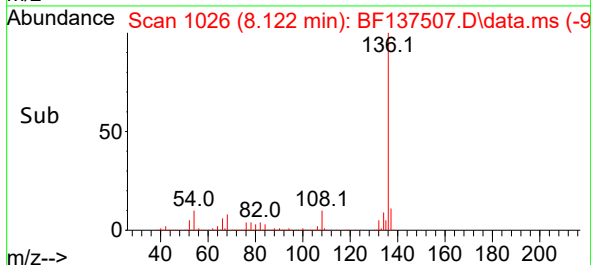
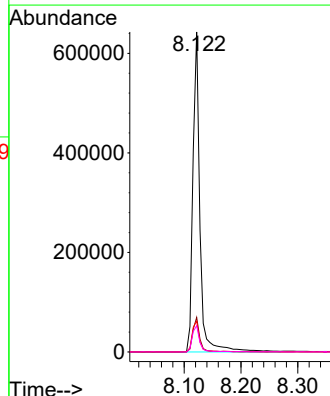
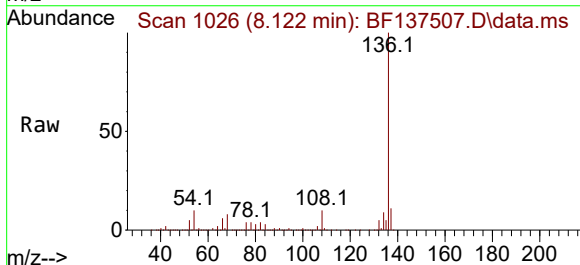
Ion Ratio Lower Upper

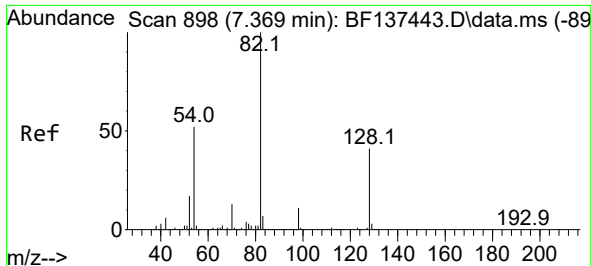
136 100

137 10.8 9.1 13.7

54 9.7 8.5 12.7

68 8.2 7.4 11.2

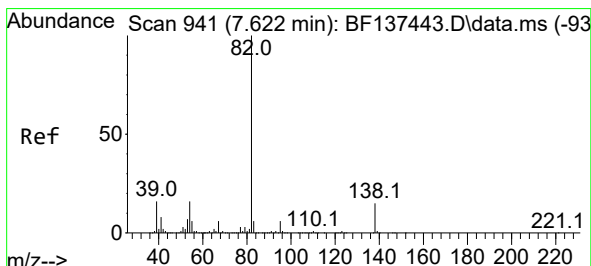
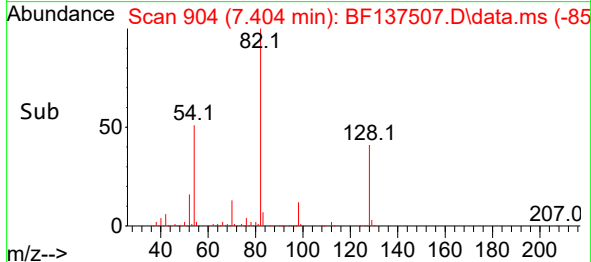
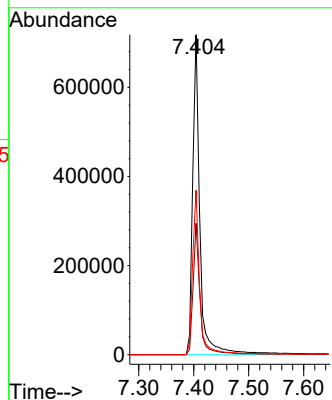
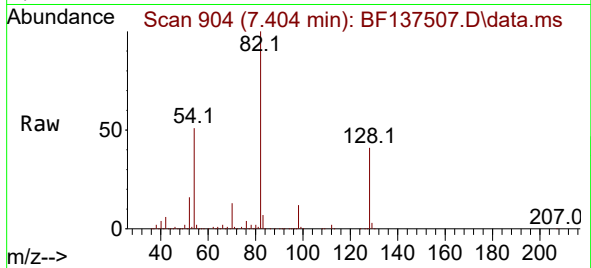




#23
Nitrobenzene-d5
Concen: 55.072 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.023 min
Lab File: BF137507.D
Acq: 05 Mar 2024 18:35

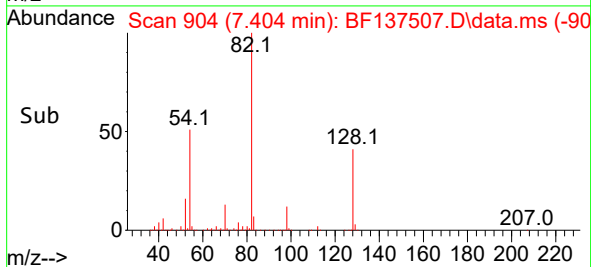
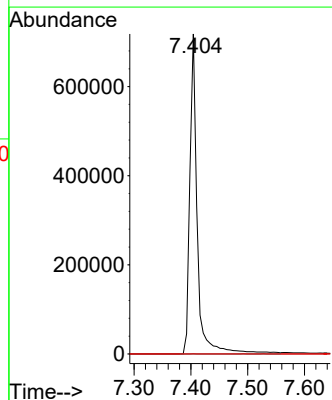
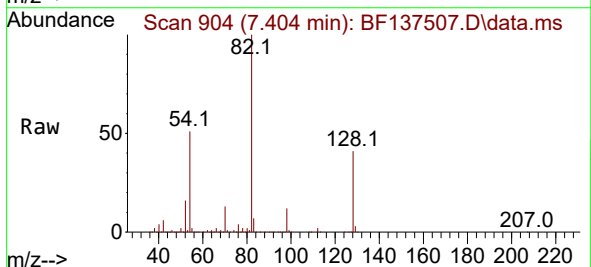
Instrument :
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ClientSampleId :
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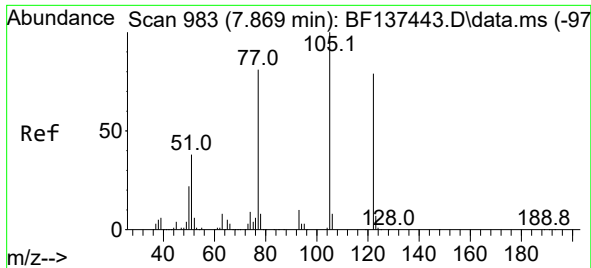
Tgt Ion: 82 Resp: 652162
Ion Ratio Lower Upper
82 100
128 41.1 32.5 48.7
54 51.4 41.5 62.3



#25
Isophorone
Concen: 28.988 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.276 min
Lab File: BF137507.D
Acq: 05 Mar 2024 18:35

Tgt Ion: 82 Resp: 652158
Ion Ratio Lower Upper
82 100
95 0.0 5.1 7.7#
138 0.0 11.8 17.8#

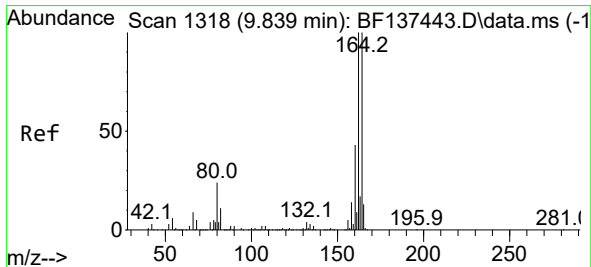
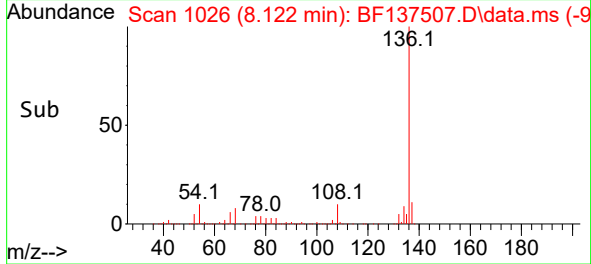
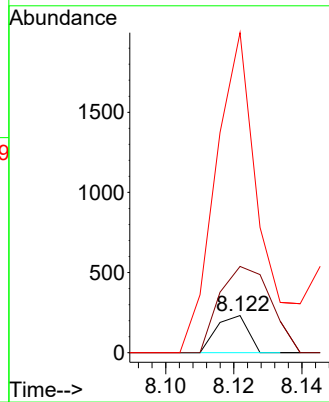
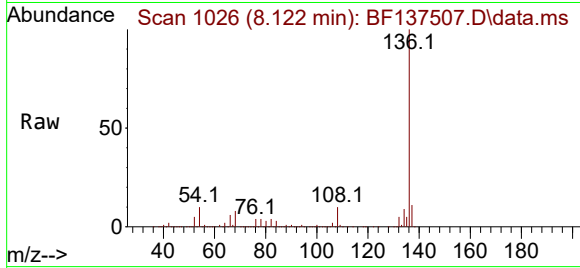




#32
Benzoic acid
Concen: 6.324 ng
RT: 8.122 min Scan# 1026
Delta R.T. 0.194 min
Lab File: BF137507.D
Acq: 05 Mar 2024 18:35

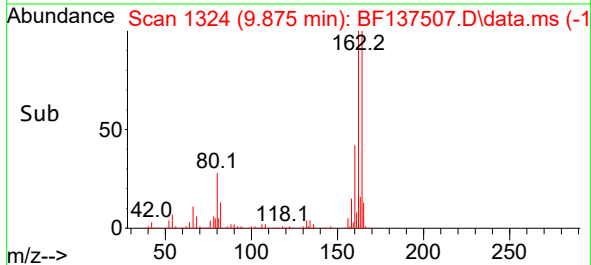
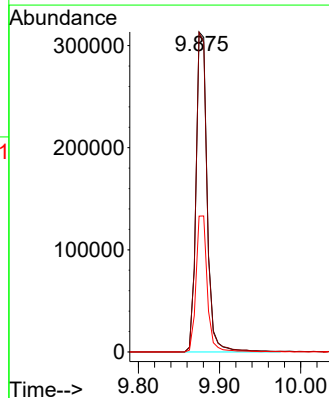
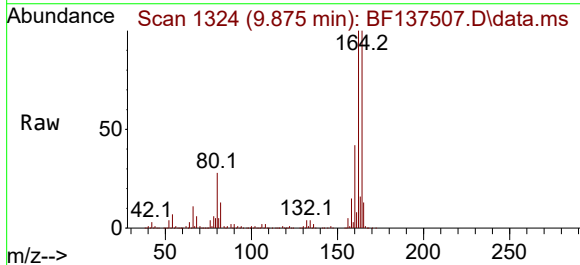
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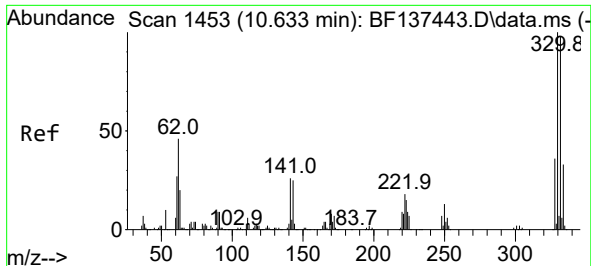
Tgt Ion:122 Resp: 149
Ion Ratio Lower Upper
122 100
105 231.9 102.4 142.4#
77 860.8 81.1 121.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.018 min
Lab File: BF137507.D
Acq: 05 Mar 2024 18:35

Tgt Ion:164 Resp: 301106
Ion Ratio Lower Upper
164 100
162 99.8 79.8 119.8
160 42.5 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 66.476 ng

RT: 10.669 min Scan# 1459

Delta R.T. -0.023 min

Lab File: BF137507.D

Acq: 05 Mar 2024 18:35

Instrument :

BNA_F

ClientSampleId :

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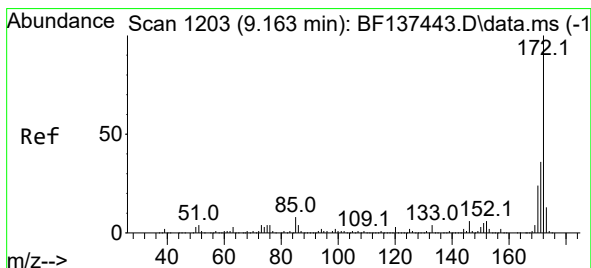
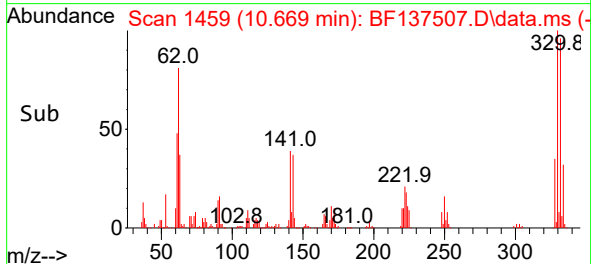
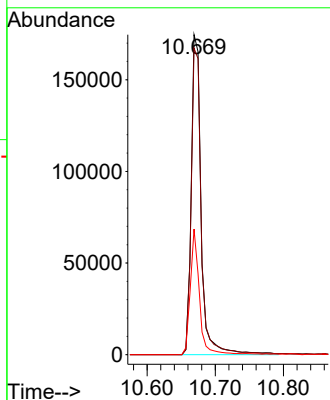
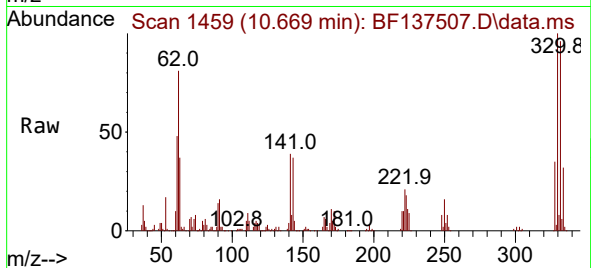
Tgt Ion:330 Resp: 175777

Ion Ratio Lower Upper

330 100

332 97.8 78.0 117.0

141 36.1 27.3 40.9



#45

2-Fluorobiphenyl

Concen: 53.434 ng

RT: 9.198 min Scan# 1209

Delta R.T. -0.018 min

Lab File: BF137507.D

Acq: 05 Mar 2024 18:35

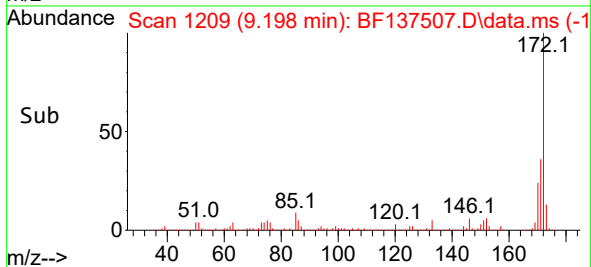
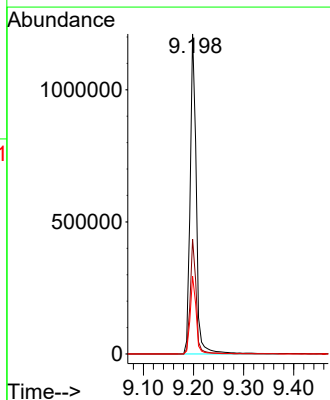
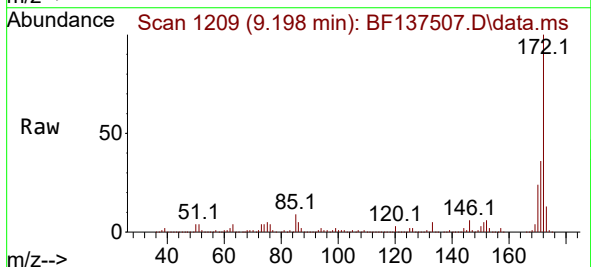
Tgt Ion:172 Resp: 1027835

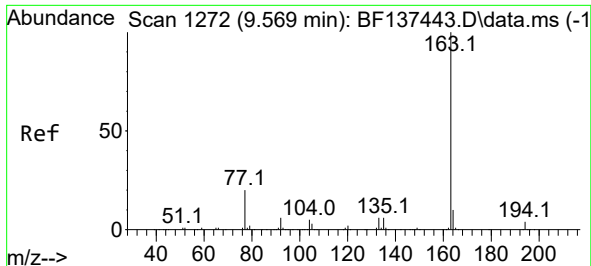
Ion Ratio Lower Upper

172 100

171 35.9 28.5 42.7

170 24.3 19.0 28.6

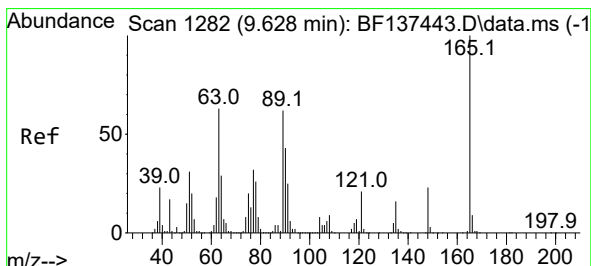
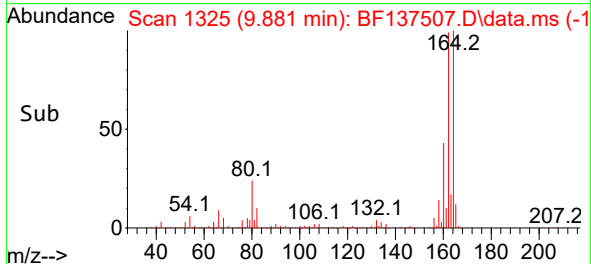
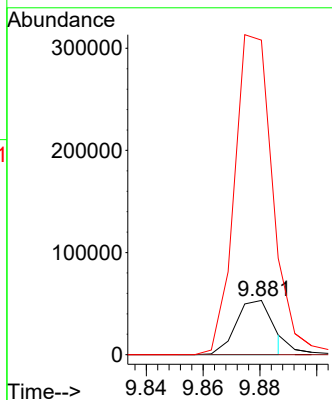
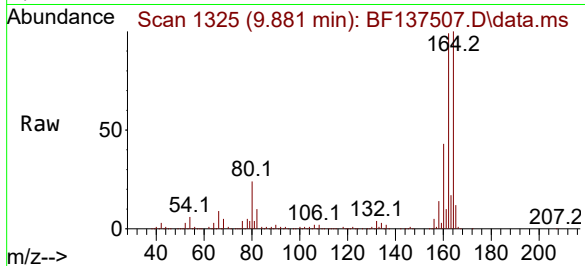




#50
 Dimethylphthalate
 Concen: 2.291 ng
 RT: 9.881 min Scan# 11
 Delta R.T. 0.253 min
 Lab File: BF137507.D
 Acq: 05 Mar 2024 18:35

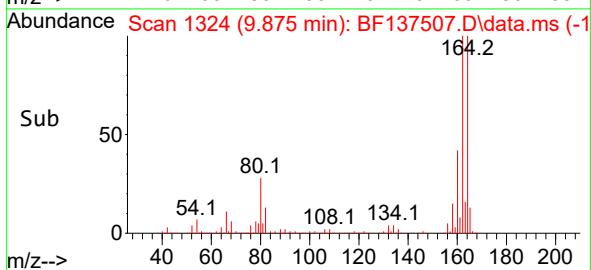
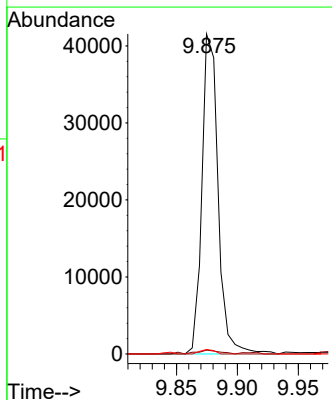
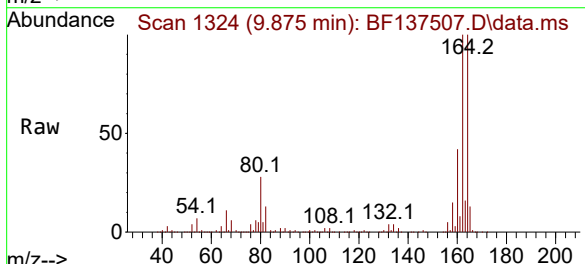
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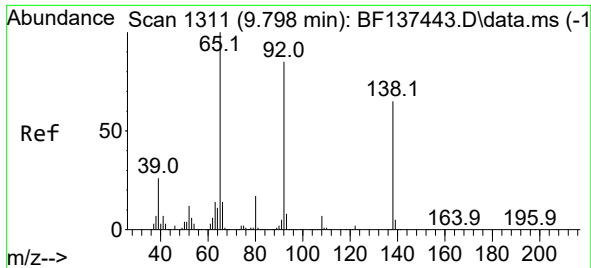
Tgt Ion:163 Resp: 48022
 Ion Ratio Lower Upper
 163 100
 194 0.0 3.3 4.9#
 164 580.7 8.1 12.1#



#51
 2,6-Dinitrotoluene
 Concen: 8.768 ng
 RT: 9.875 min Scan# 1324
 Delta R.T. 0.188 min
 Lab File: BF137507.D
 Acq: 05 Mar 2024 18:35

Tgt Ion:165 Resp: 38440
 Ion Ratio Lower Upper
 165 100
 63 1.2 50.7 76.1#
 89 1.4 50.0 75.0#

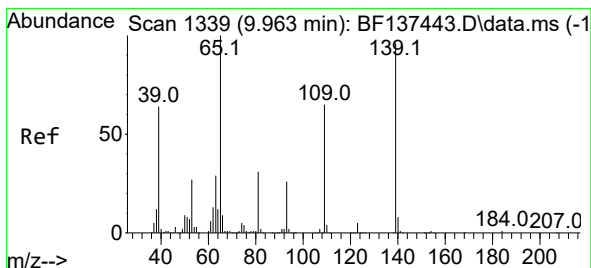
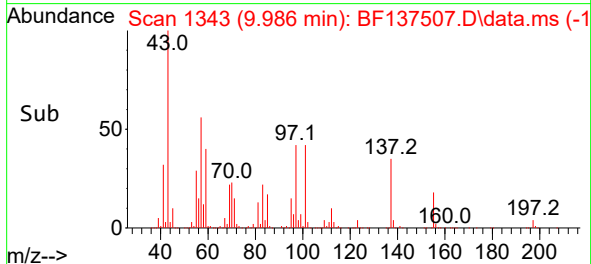
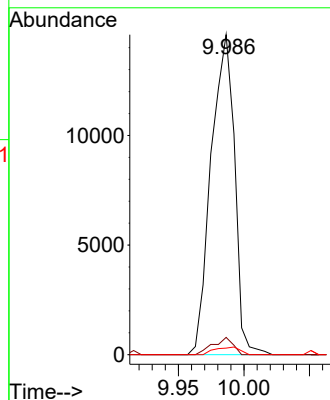
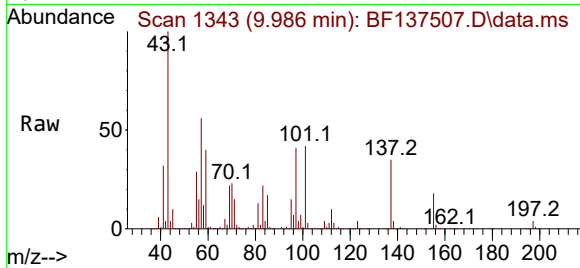




#53
3-Nitroaniline
Concen: 3.921 ng
RT: 9.986 min Scan# 1311
Delta R.T. 0.130 min
Lab File: BF137507.D
Acq: 05 Mar 2024 18:35

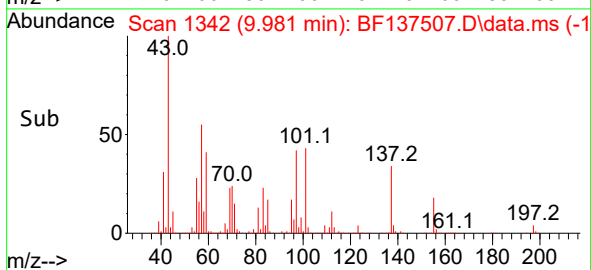
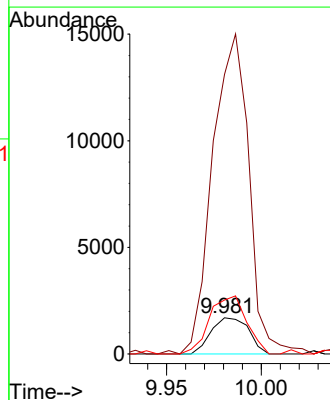
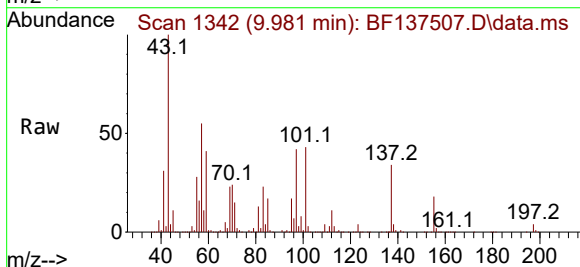
Instrument :
BNA_F
ClientSampleId :
TP-1

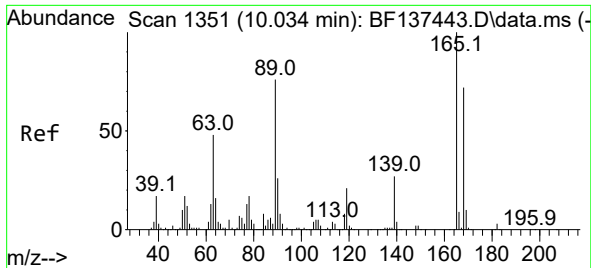
Tgt Ion:138 Resp: 18183
Ion Ratio Lower Upper
138 100
108 5.4 9.1 13.7#
92 2.0 104.6 157.0#



#56
4-Nitrophenol
Concen: 5.197 ng
RT: 9.981 min Scan# 1342
Delta R.T. -0.041 min
Lab File: BF137507.D
Acq: 05 Mar 2024 18:35

Tgt Ion:139 Resp: 2344
Ion Ratio Lower Upper
139 100
109 774.4 47.1 87.1#
65 149.6 85.1 125.1#

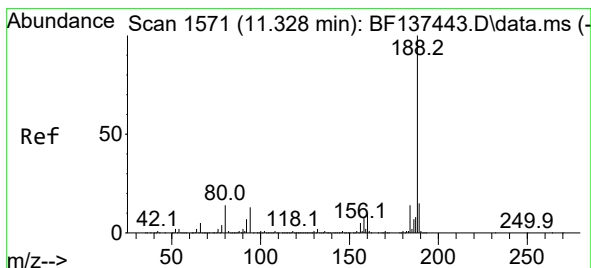
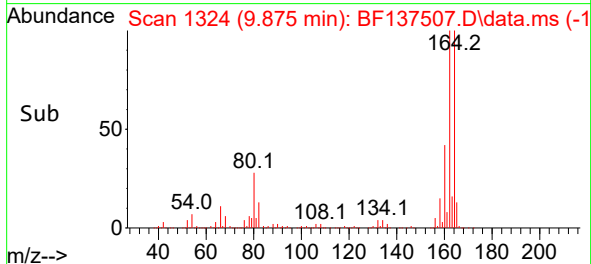
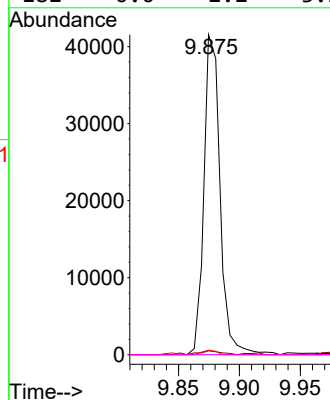
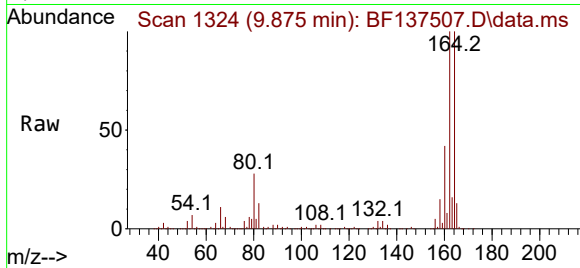




#57
2,4-Dinitrotoluene
Concen: 7.137 ng
RT: 9.875 min Scan# 11
Delta R.T. -0.217 min
Lab File: BF137507.D
Acq: 05 Mar 2024 18:35

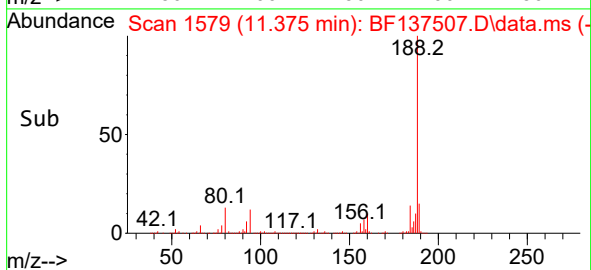
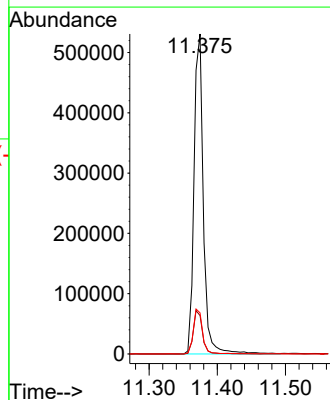
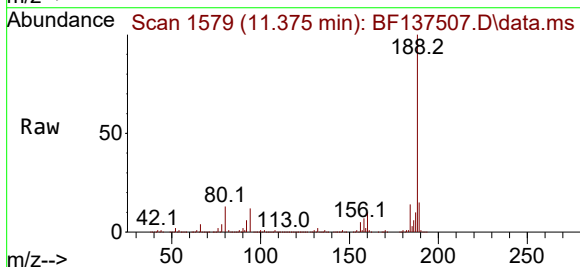
Instrument :
BNA_F
ClientSampleId :
TP-1

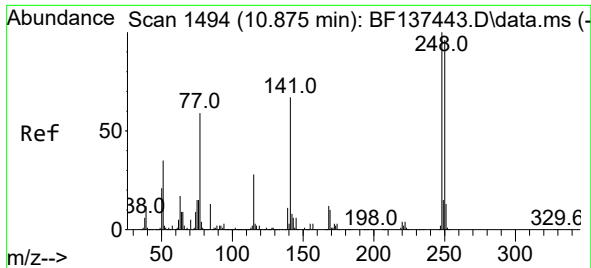
Tgt Ion:165 Resp: 38440
Ion Ratio Lower Upper
165 100
63 1.2 39.0 58.6#
89 1.4 60.9 91.3#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1579
Delta R.T. -0.012 min
Lab File: BF137507.D
Acq: 05 Mar 2024 18:35

Tgt Ion:188 Resp: 503253
Ion Ratio Lower Upper
188 100
94 12.0 10.6 15.8
80 12.8 11.5 17.3

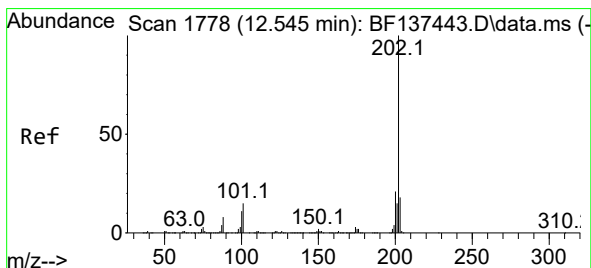
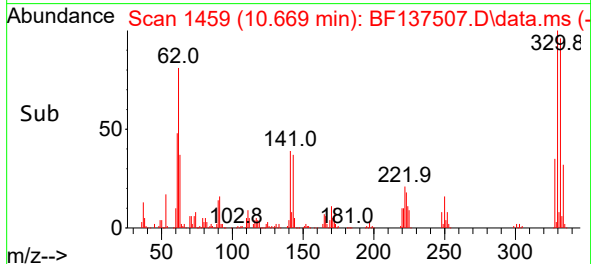
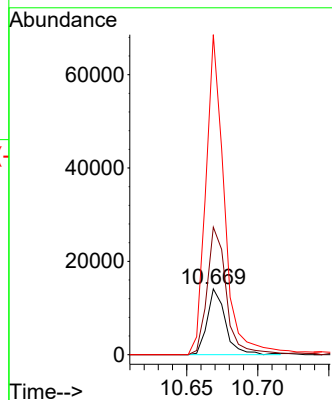
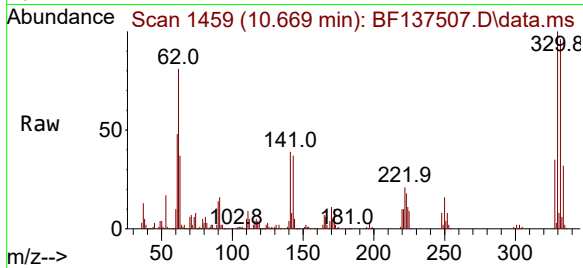




#67
4-Bromophenyl-phenylether
Concen: 2.319 ng
RT: 10.669 min Scan# 1494
Delta R.T. -0.265 min
Lab File: BF137507.D
Acq: 05 Mar 2024 18:35

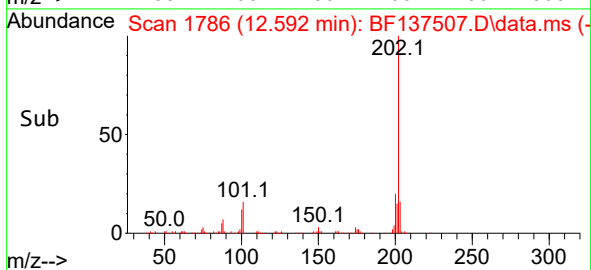
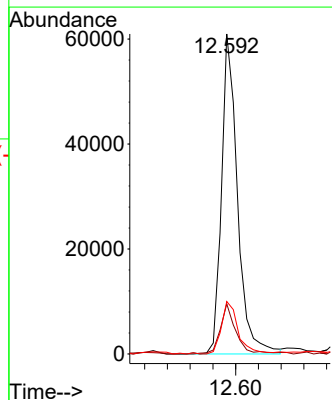
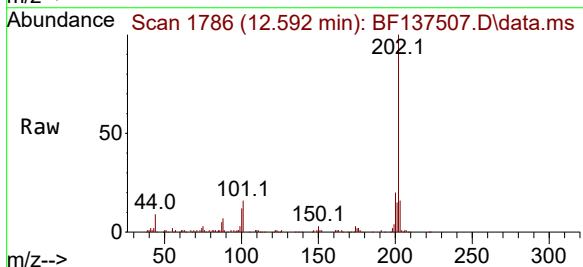
Instrument :
BNA_F
ClientSampleId :
TP-1

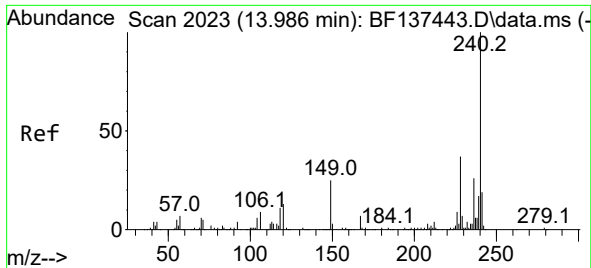
Tgt Ion:248 Resp: 12710
Ion Ratio Lower Upper
248 100
250 193.6 76.8 115.2#
141 486.1 53.4 80.0#



#75
Fluoranthene
Concen: 2.225 ng
RT: 12.592 min Scan# 1786
Delta R.T. -0.017 min
Lab File: BF137507.D
Acq: 05 Mar 2024 18:35

Tgt Ion:202 Resp: 59571
Ion Ratio Lower Upper
202 100
101 15.6 0.0 35.0
203 16.4 0.0 37.7

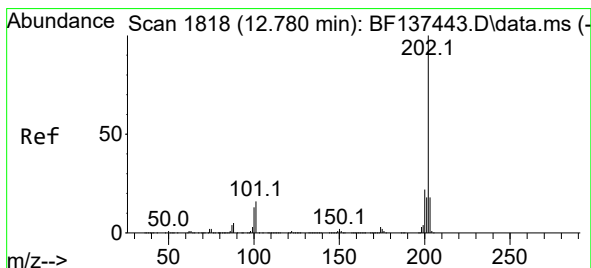
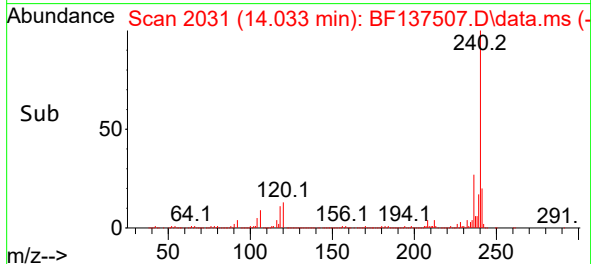
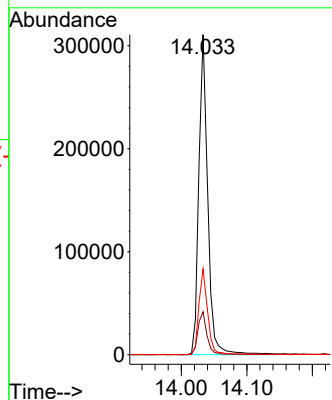
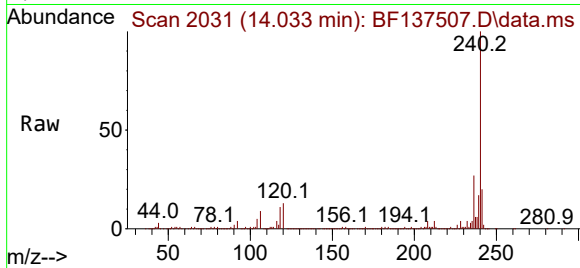




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 20
Delta R.T. -0.018 min
Lab File: BF137507.D
Acq: 05 Mar 2024 18:35

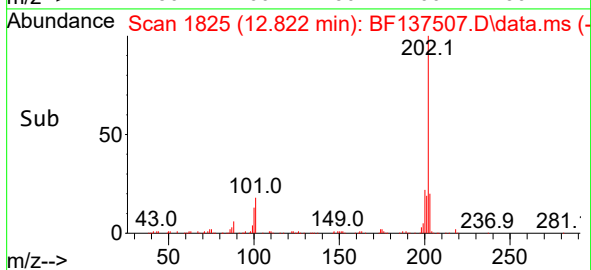
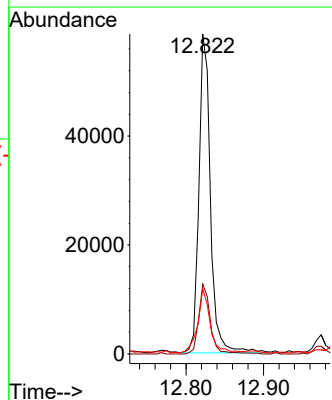
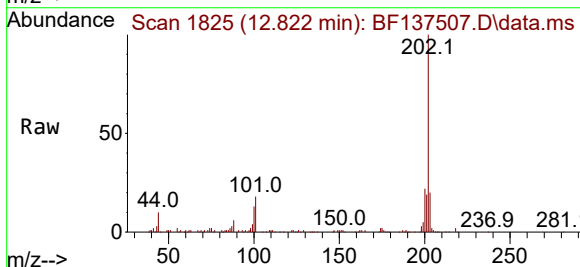
Instrument :
BNA_F
ClientSampleId :
TP-1

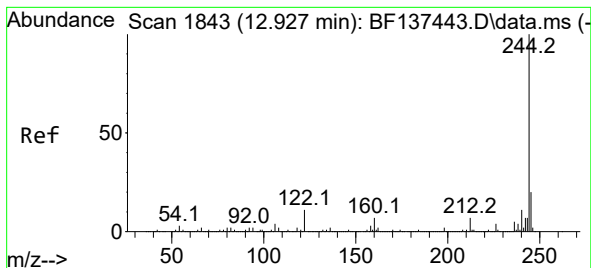
Tgt Ion:240 Resp: 295616
Ion Ratio Lower Upper
240 100
120 13.4 10.4 15.6
236 26.8 20.9 31.3



#78
Pyrene
Concen: 2.088 ng
RT: 12.822 min Scan# 1825
Delta R.T. -0.018 min
Lab File: BF137507.D
Acq: 05 Mar 2024 18:35

Tgt Ion:202 Resp: 60570
Ion Ratio Lower Upper
202 100
200 21.8 17.4 26.2
203 20.3 14.1 21.1





#79

Terphenyl-d14

Concen: 45.170 ng

RT: 12.974 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF137507.D

Acq: 05 Mar 2024 18:35

Instrument :

BNA_F

ClientSampleId :

TP-1

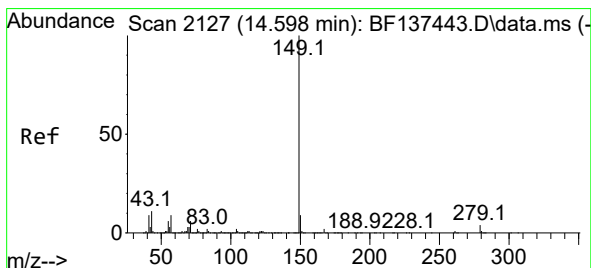
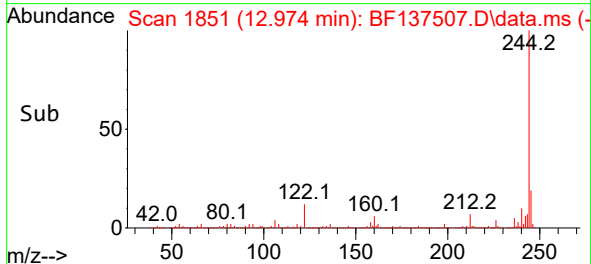
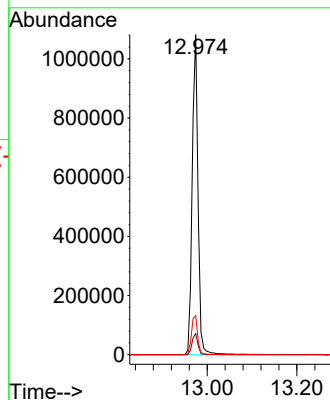
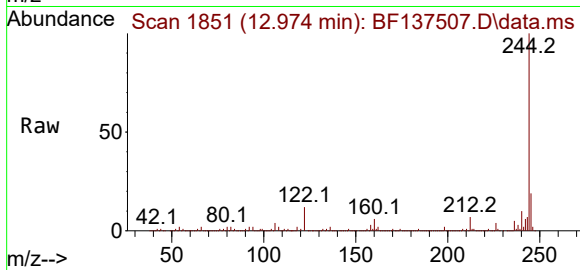
Tgt Ion:244 Resp: 971056

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.2

122 12.1 9.1 13.7



#85

Di-n-octyl phthalate

Concen: 5.643 ng

RT: 14.651 min Scan# 2136

Delta R.T. -0.012 min

Lab File: BF137507.D

Acq: 05 Mar 2024 18:35

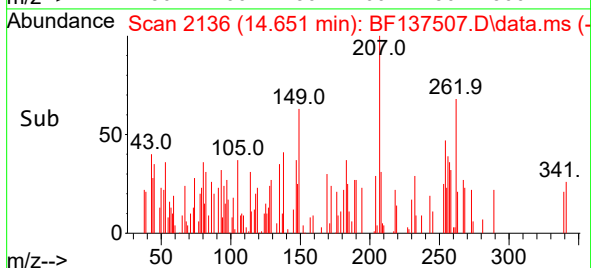
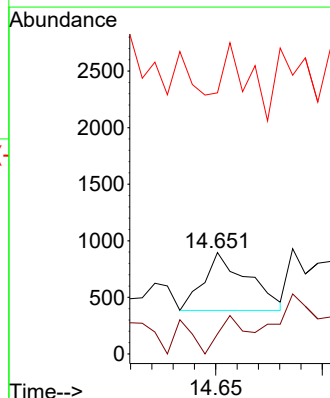
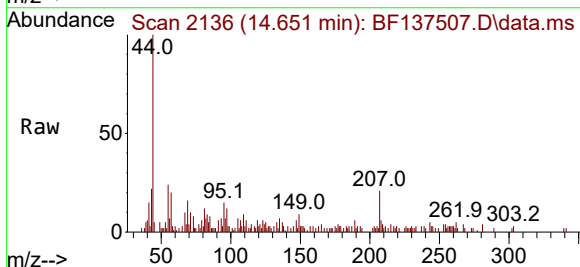
Tgt Ion:149 Resp: 735

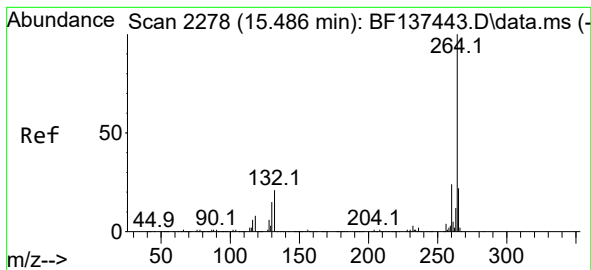
Ion Ratio Lower Upper

149 100

167 43.5 1.2 1.8#

43 81.1 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: BF137507.D

Acq: 05 Mar 2024 18:35

Instrument :

BNA_F

ClientSampleId :

TP-1

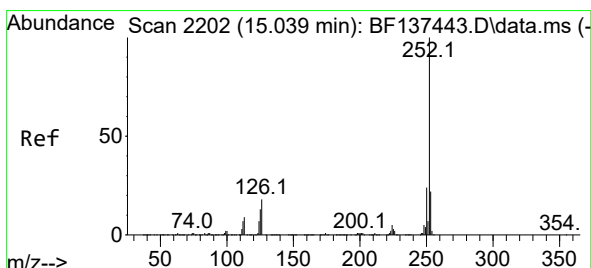
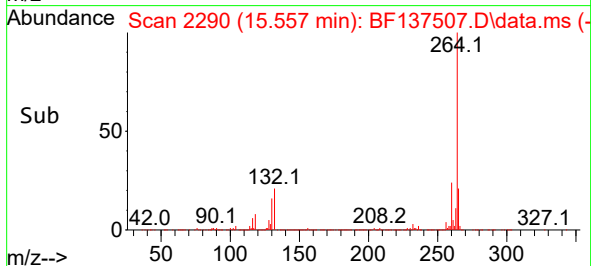
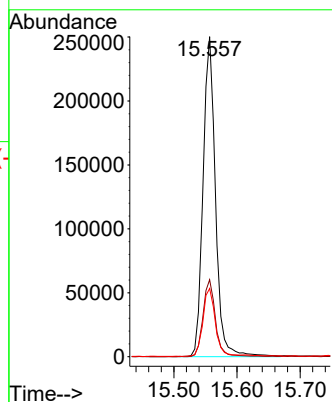
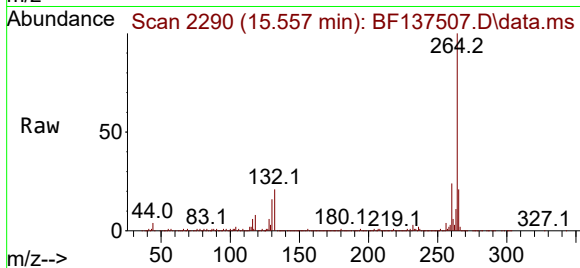
Tgt Ion:264 Resp: 343492

Ion Ratio Lower Upper

264 100

260 24.1 19.3 28.9

265 21.3 17.4 26.0



#88

Benzo(b)fluoranthene

Concen: 2.800 ng

RT: 15.104 min Scan# 2213

Delta R.T. -0.012 min

Lab File: BF137507.D

Acq: 05 Mar 2024 18:35

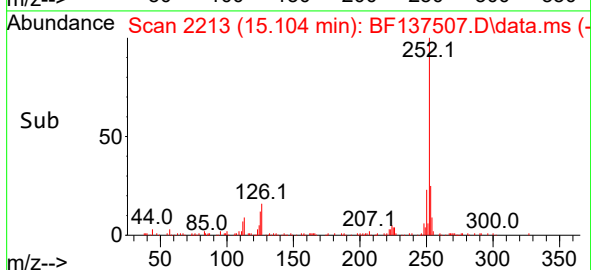
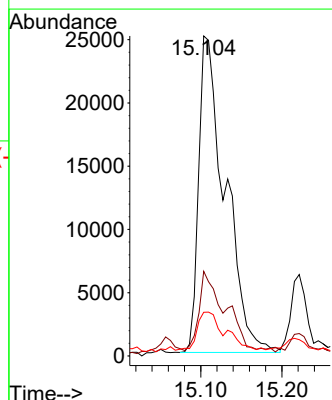
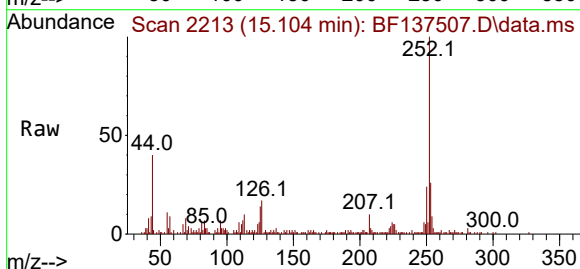
Tgt Ion:252 Resp: 56898

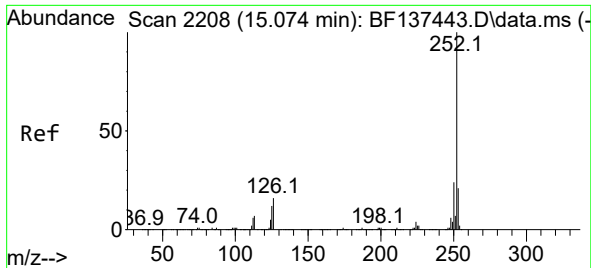
Ion Ratio Lower Upper

252 100

253 26.4 17.8 26.8

125 13.6 10.1 15.1





#89

Benzo(k)fluoranthene

Concen: 2.607 ng

RT: 15.104 min Scan# 21

Delta R.T. -0.047 min

Lab File: BF137507.D

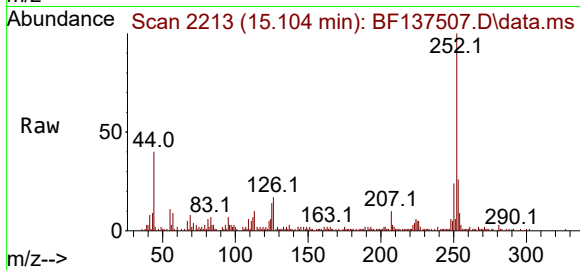
Acq: 05 Mar 2024 18:35

Instrument :

BNA_F

ClientSampleId :

TP-1



Tgt Ion:252 Resp: 56898

Ion Ratio Lower Upper

252 100

253 26.4 17.3 25.9#

125 13.6 9.6 14.4

