

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030424\
 Data File : BF137492.D
 Acq On : 04 Mar 2024 20:47
 Operator : CG\JU
 Sample : P1669-09
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-6

Quant Time: Mar 04 23:19:52 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

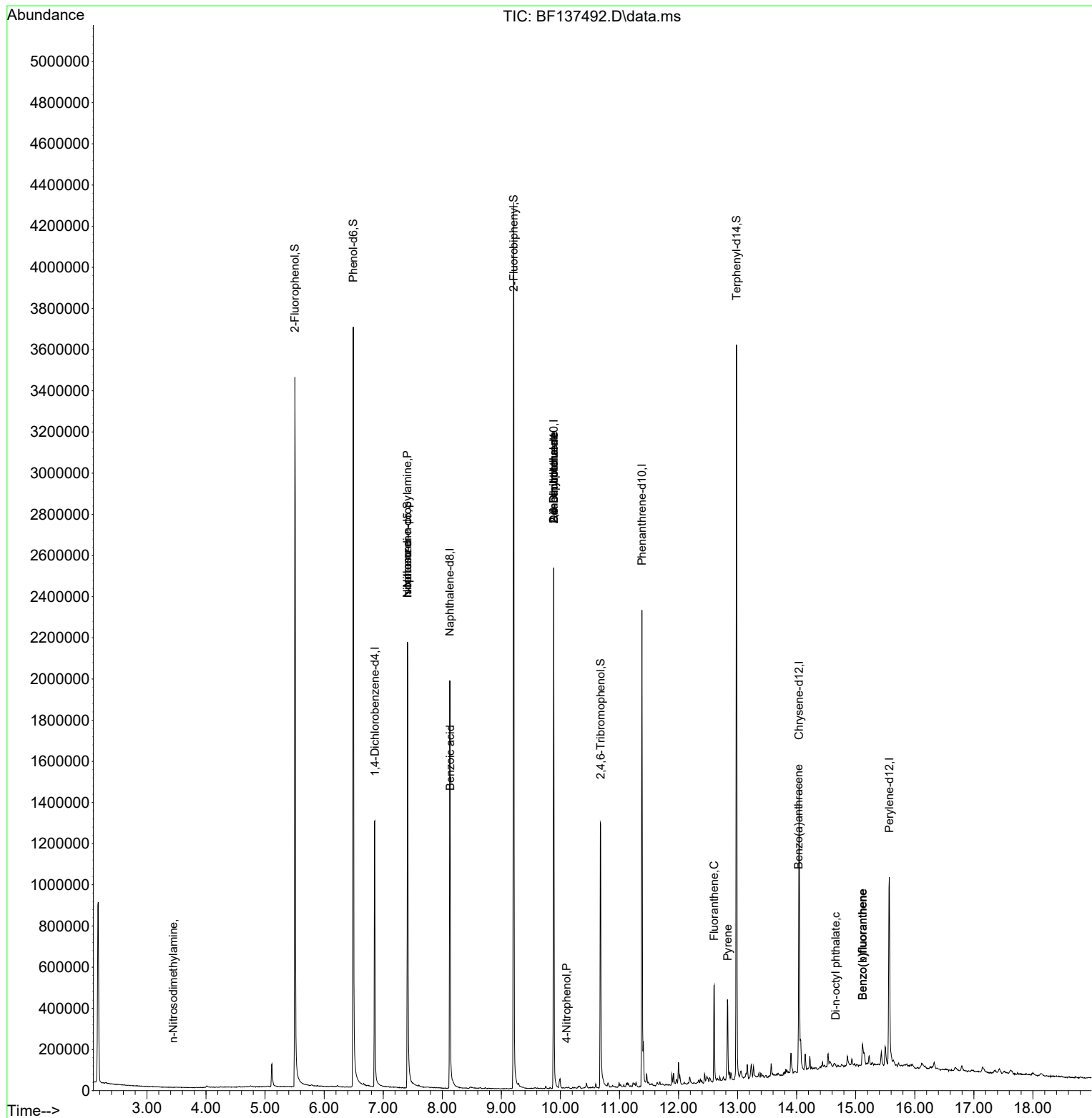
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	215133	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	866032	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	487782	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	800178	20.000	ng	0.00
76) Chrysene-d12	14.039	240	427409	20.000	ng	-0.01
86) Perylene-d12	15.568	264	461246	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	992228	69.853	ng	0.00
7) Phenol-d6	6.493	99	1352389	65.958	ng	-0.01
23) Nitrobenzene-d5	7.410	82	812882	43.613	ng	-0.02
42) 2,4,6-Tribromophenol	10.681	330	161270	37.648	ng	-0.01
45) 2-Fluorobiphenyl	9.210	172	1382877	44.378	ng	0.00
79) Terphenyl-d14	12.980	244	1224068	39.382	ng	-0.01
Target Compounds						
4) n-Nitrosodimethylamine	3.446	42	202	3.833	ng	# 1
19) n-Nitroso-di-n-propyla...	7.410	70	100597	7.945	ng	# 82
25) Isophorone	7.410	82	812877	22.956	ng	# 69
32) Benzoic acid	8.134	122	220	6.322	ng	# 1
50) Dimethylphthalate	9.886	163	80221	2.363	ng	# 1
51) 2,6-Dinitrotoluene	9.886	165	61820	8.704	ng	# 20
56) 4-Nitrophenol	10.104	139	1158	4.731	ng	# 19
57) 2,4-Dinitrotoluene	9.886	165	61905	7.095	ng	# 21
75) Fluoranthene	12.604	202	203572	4.782	ng	96
78) Pyrene	12.833	202	163028	3.887	ng	98
81) Benzo(a)anthracene	14.033	228	66638	2.224	ng	96
85) Di-n-octyl phthalate	14.663	149	1448	5.656	ng	# 72
88) Benzo(b)fluoranthene	15.116	252	88875	3.257	ng	# 94
89) Benzo(k)fluoranthene	15.116	252	88875	3.033	ng	# 92

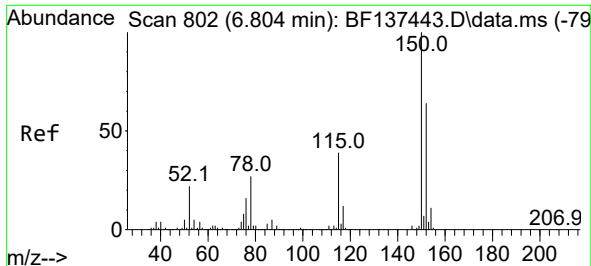
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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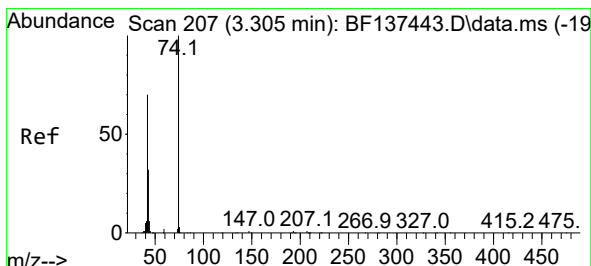
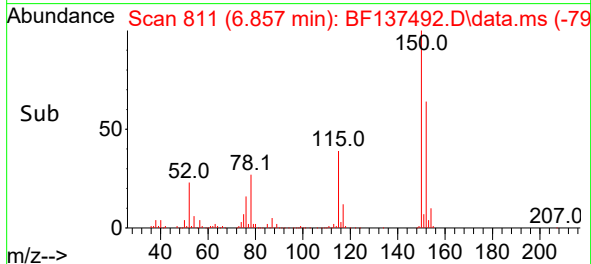
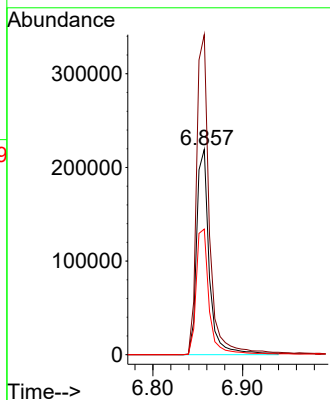
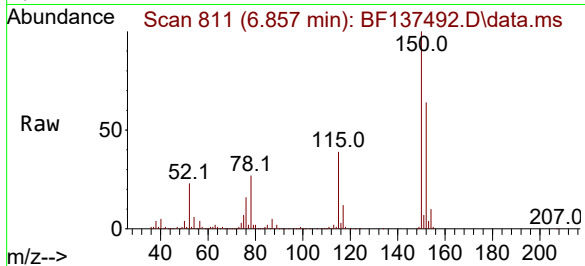




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF137492.D
Acq: 04 Mar 2024 20:47

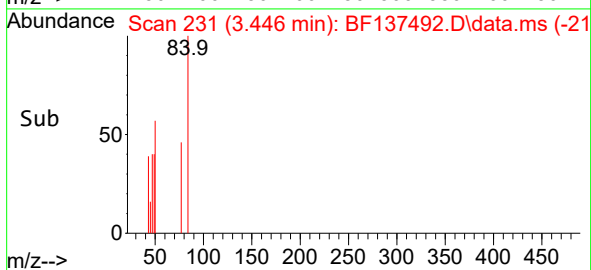
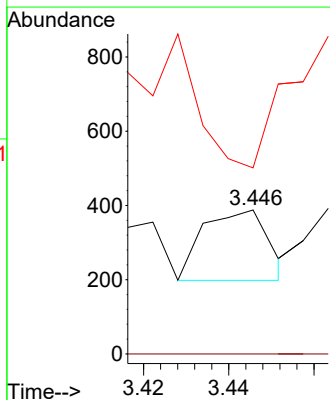
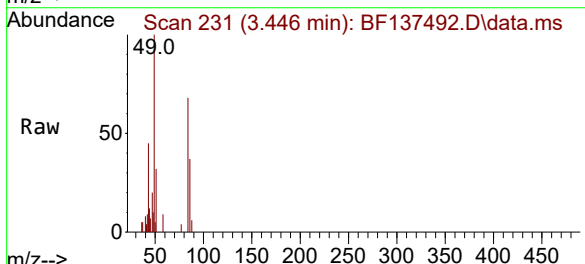
Instrument :
BNA_F
ClientSampleId :
TP-6

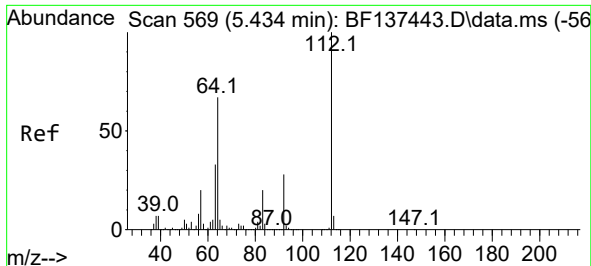
Tgt Ion:152 Resp: 215133
Ion Ratio Lower Upper
152 100
150 155.9 125.8 188.6
115 61.2 48.8 73.2



#4
n-Nitrosodimethylamine
Concen: 3.833 ng
RT: 3.446 min Scan# 231
Delta R.T. 0.000 min
Lab File: BF137492.D
Acq: 04 Mar 2024 20:47

Tgt Ion: 42 Resp: 202
Ion Ratio Lower Upper
42 100
74 0.0 114.0 171.0#
44 129.1 7.0 10.4#

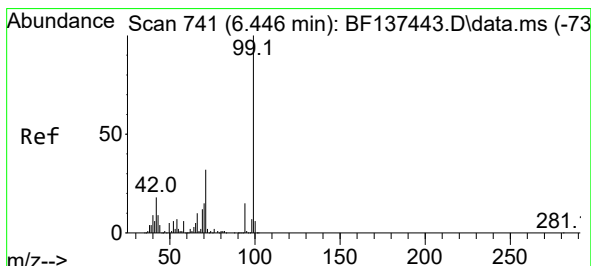
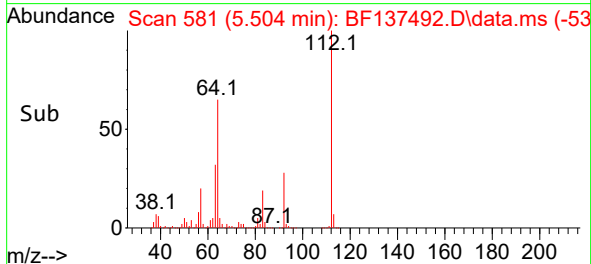
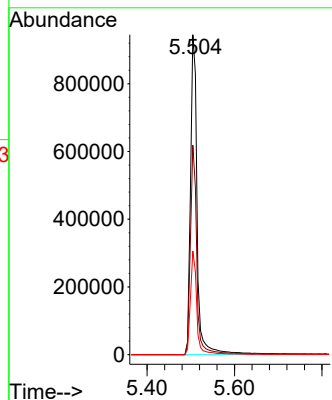
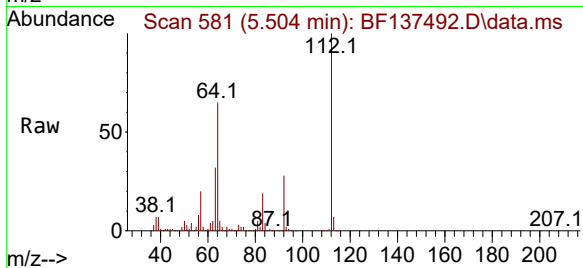




#5
2-Fluorophenol
Concen: 69.853 ng
RT: 5.504 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF137492.D
Acq: 04 Mar 2024 20:47

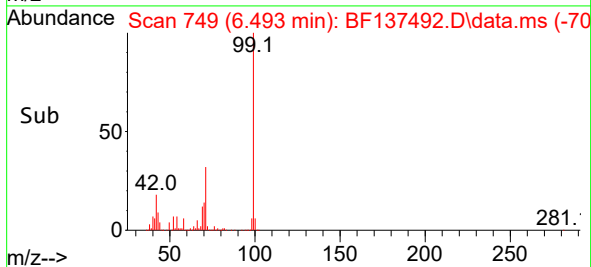
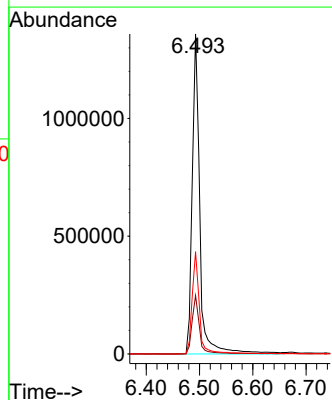
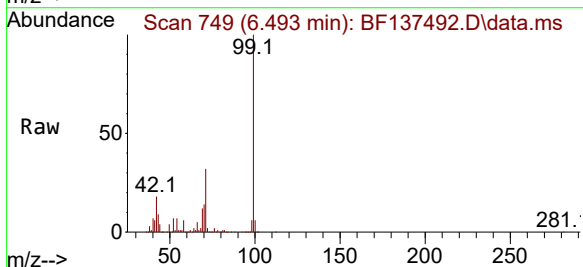
Instrument :
BNA_F
ClientSampleId :
TP-6

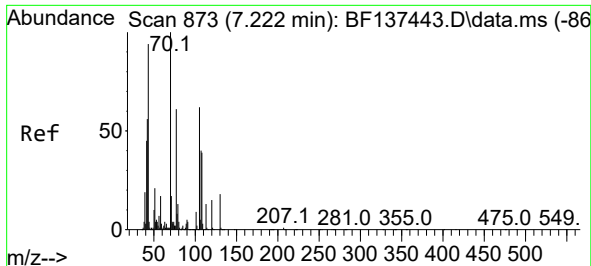
Tgt Ion:112 Resp: 992228
Ion Ratio Lower Upper
112 100
64 65.5 53.4 80.2
63 32.3 26.2 39.2



#7
Phenol-d6
Concen: 65.958 ng
RT: 6.493 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF137492.D
Acq: 04 Mar 2024 20:47

Tgt Ion: 99 Resp: 1352389
Ion Ratio Lower Upper
99 100
42 18.2 14.6 21.8
71 31.9 25.3 37.9

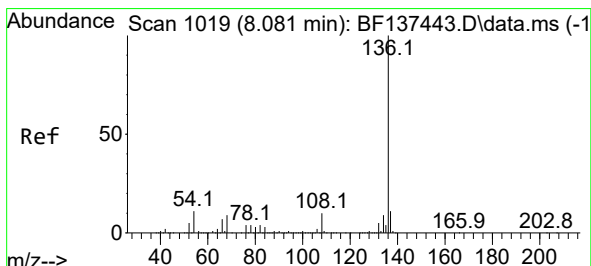
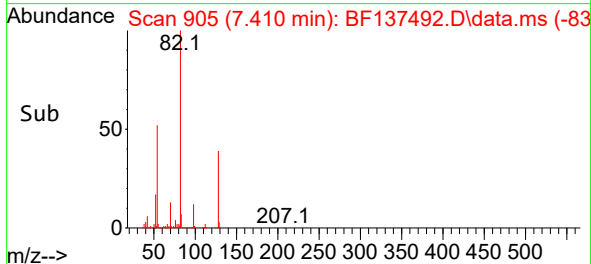
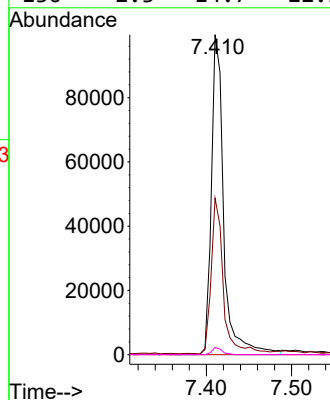
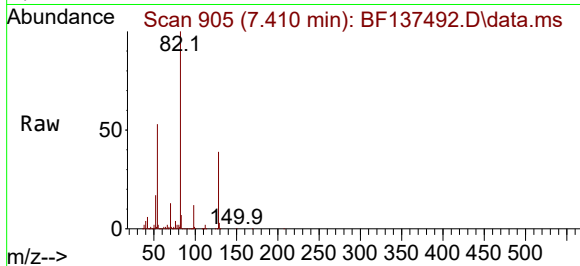




#19
n-Nitroso-di-n-propylamine
Concen: 7.945 ng
RT: 7.410 min Scan# 90
Delta R.T. 0.130 min
Lab File: BF137492.D
Acq: 04 Mar 2024 20:47

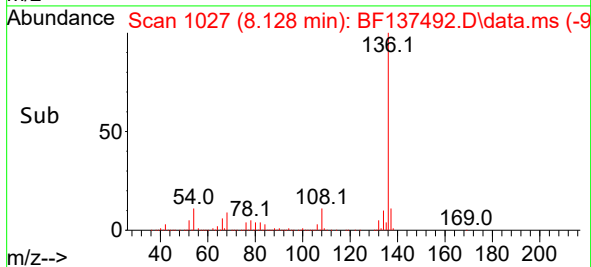
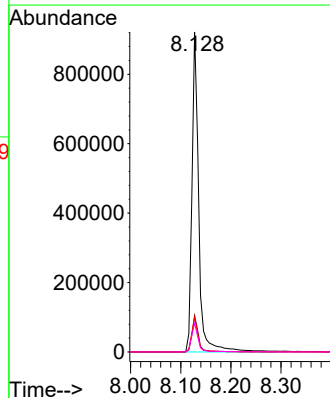
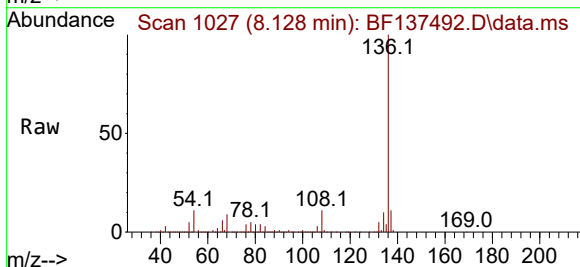
Instrument :
BNA_F
ClientSampleId :
TP-6

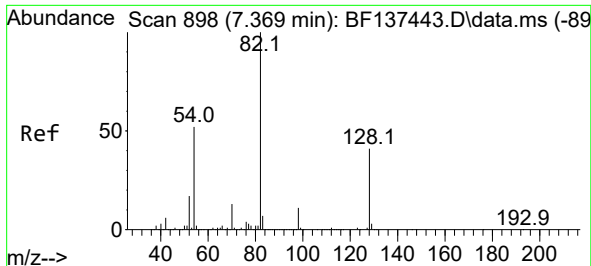
Tgt Ion: 70 Resp: 100597
Ion Ratio Lower Upper
70 100
42 48.9 45.2 67.8
101 0.0 7.3 10.9#
130 2.3 14.7 22.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF137492.D
Acq: 04 Mar 2024 20:47

Tgt Ion:136 Resp: 866032
Ion Ratio Lower Upper
136 100
137 11.5 9.1 13.7
54 10.7 8.5 12.7
68 8.9 7.4 11.2





#23

Nitrobenzene-d5

Concen: 43.613 ng

RT: 7.410 min Scan# 905

Delta R.T. -0.017 min

Lab File: BF137492.D

Acq: 04 Mar 2024 20:47

Instrument :

BNA_F

ClientSampleId :

TP-6

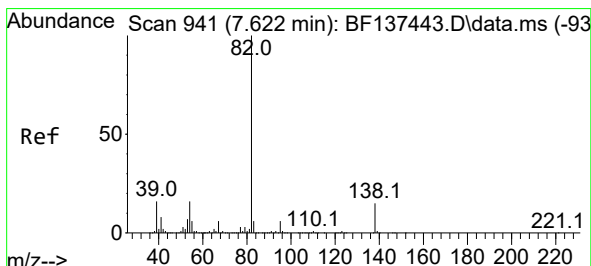
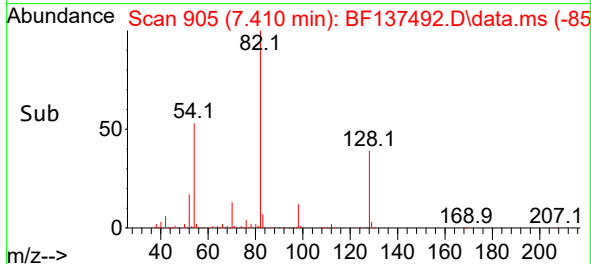
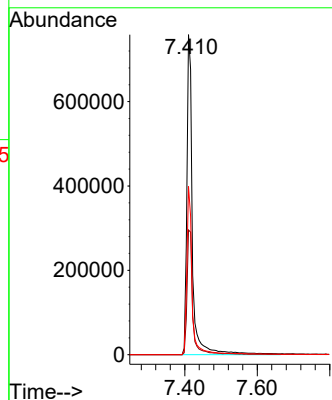
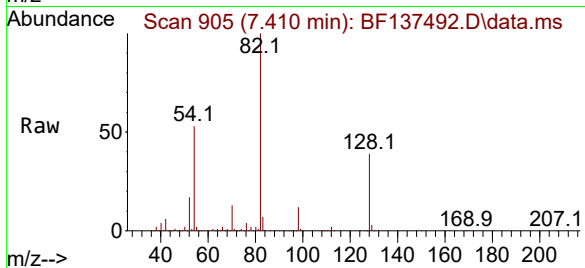
Tgt Ion: 82 Resp: 812882

Ion Ratio Lower Upper

82 100

128 39.0 32.5 48.7

54 52.5 41.5 62.3



#25

Isophorone

Concen: 22.956 ng

RT: 7.410 min Scan# 905

Delta R.T. -0.270 min

Lab File: BF137492.D

Acq: 04 Mar 2024 20:47

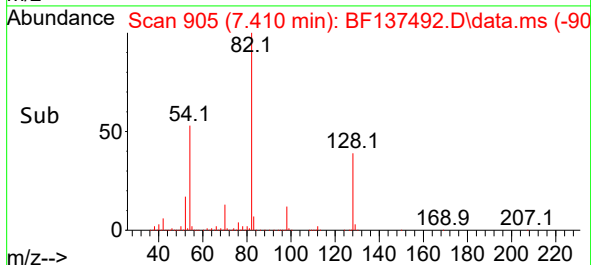
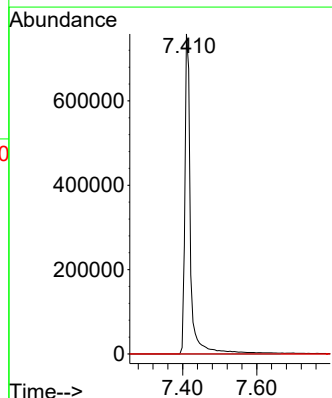
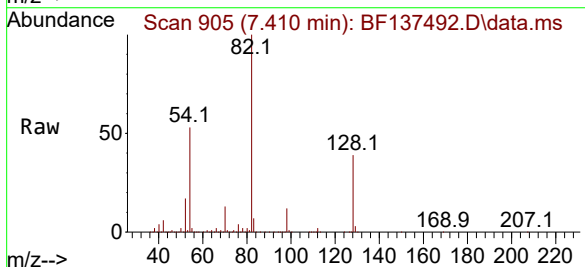
Tgt Ion: 82 Resp: 812877

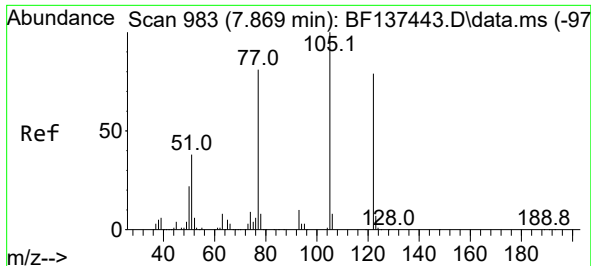
Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

138 0.0 11.8 17.8#

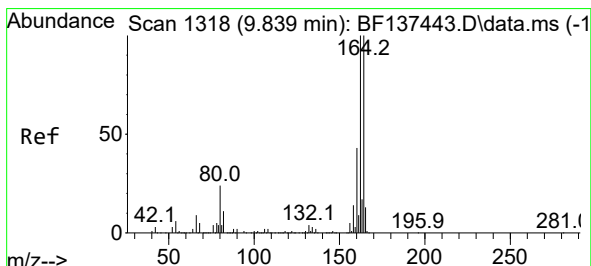
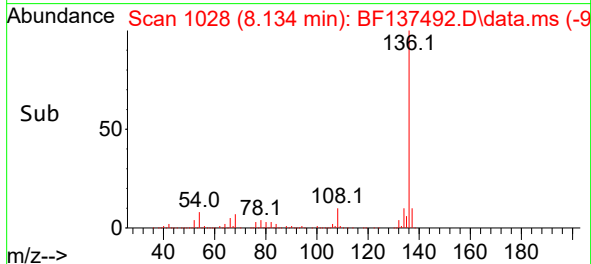
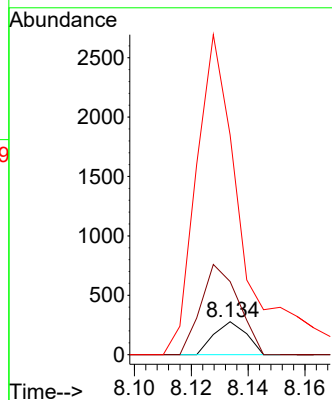
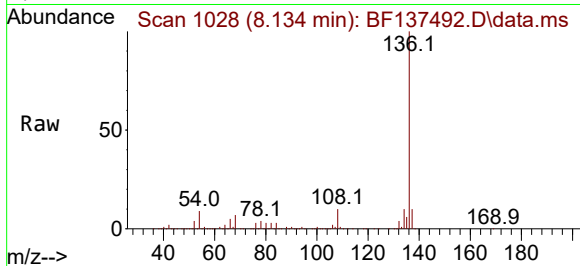




#32
Benzoic acid
Concen: 6.322 ng
RT: 8.134 min Scan# 1028
Delta R.T. 0.206 min
Lab File: BF137492.D
Acq: 04 Mar 2024 20:47

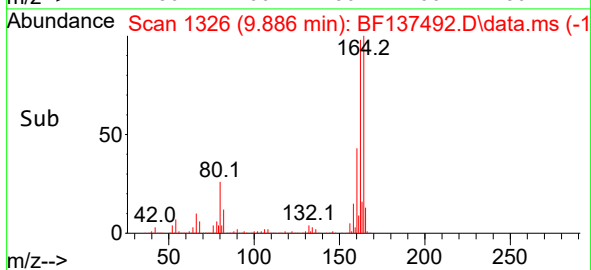
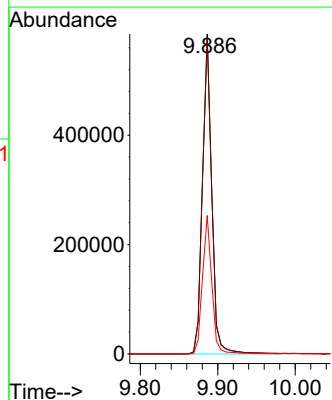
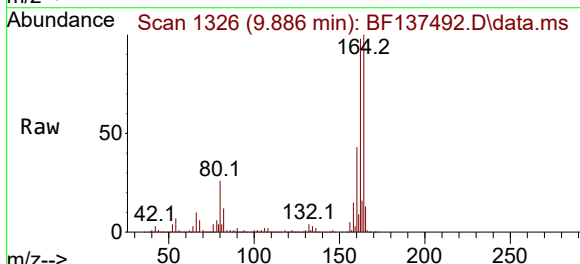
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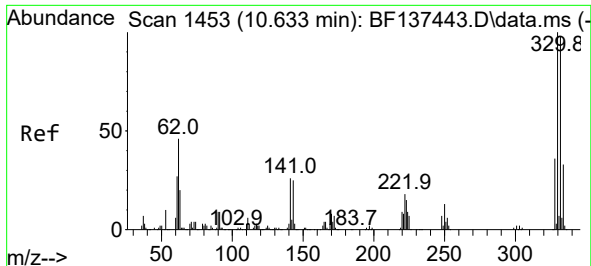
Tgt Ion:122 Resp: 220
Ion Ratio Lower Upper
122 100
105 221.6 102.4 142.4#
77 665.1 81.1 121.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF137492.D
Acq: 04 Mar 2024 20:47

Tgt Ion:164 Resp: 487782
Ion Ratio Lower Upper
164 100
162 98.4 79.8 119.8
160 43.3 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 37.648 ng

RT: 10.681 min Scan# 1461

Delta R.T. -0.012 min

Lab File: BF137492.D

Acq: 04 Mar 2024 20:47

Instrument :

BNA_F

ClientSampleId :

TP-6

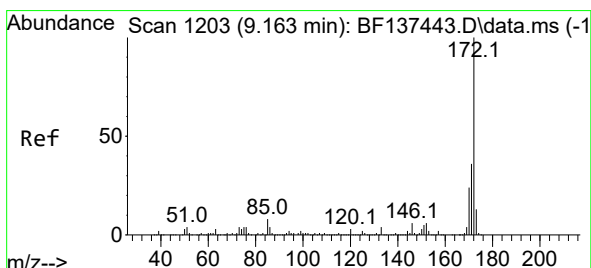
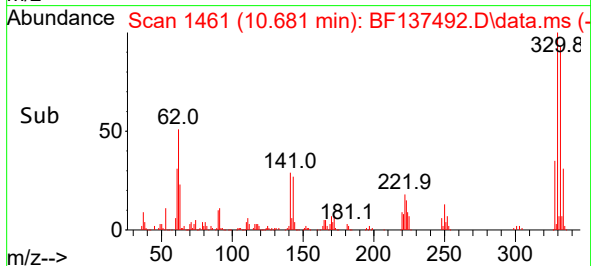
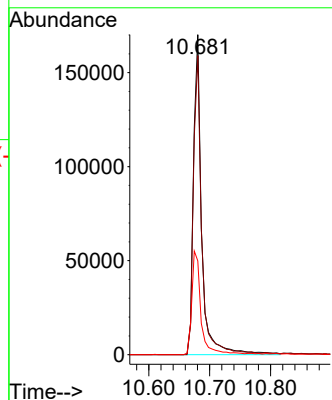
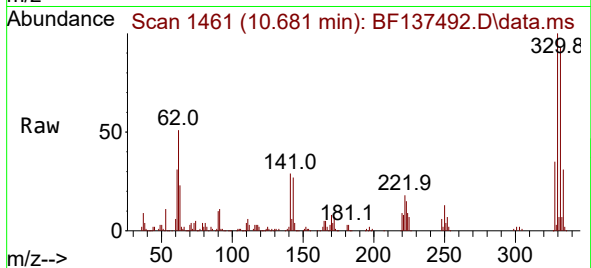
Tgt Ion:330 Resp: 161270

Ion Ratio Lower Upper

330 100

332 94.3 78.0 117.0

141 35.9 27.3 40.9



#45

2-Fluorobiphenyl

Concen: 44.378 ng

RT: 9.210 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF137492.D

Acq: 04 Mar 2024 20:47

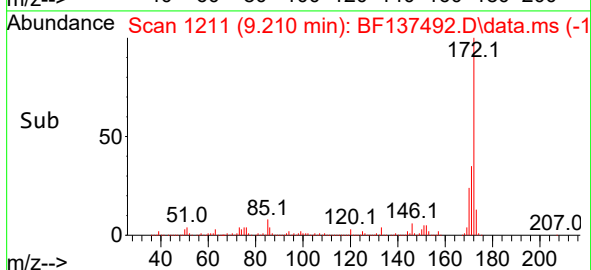
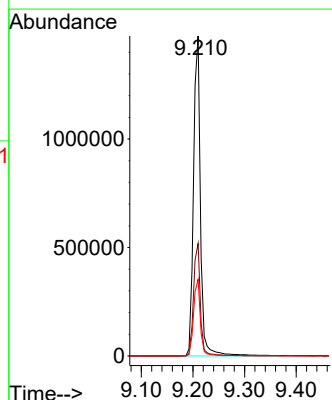
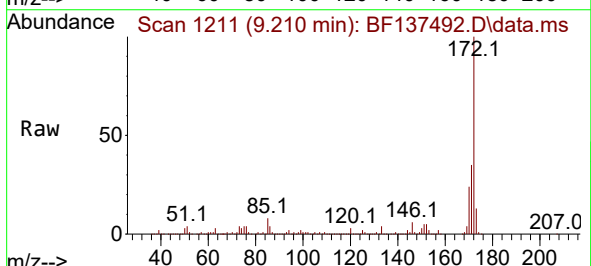
Tgt Ion:172 Resp: 1382877

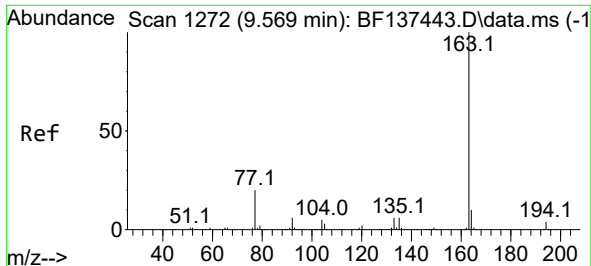
Ion Ratio Lower Upper

172 100

171 35.2 28.5 42.7

170 24.0 19.0 28.6

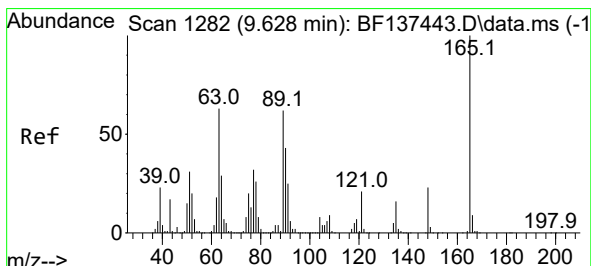
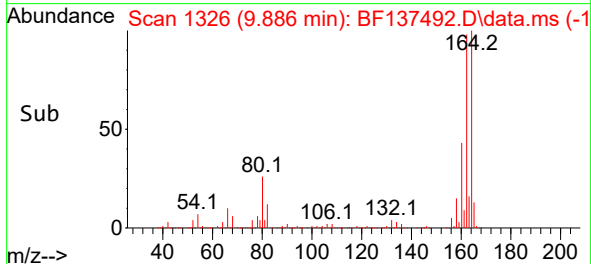
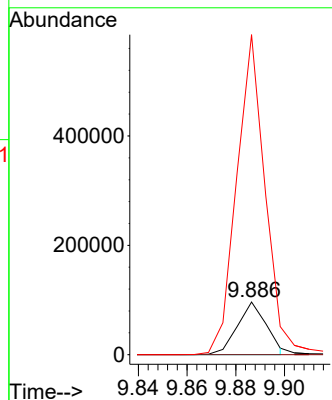
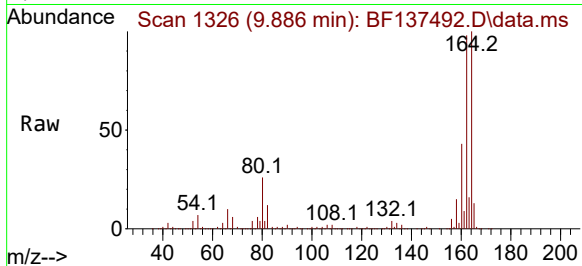




#50
Dimethylphthalate
Concen: 2.363 ng
RT: 9.886 min Scan# 1326
Delta R.T. 0.259 min
Lab File: BF137492.D
Acq: 04 Mar 2024 20:47

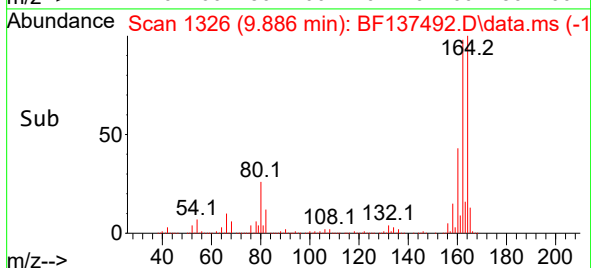
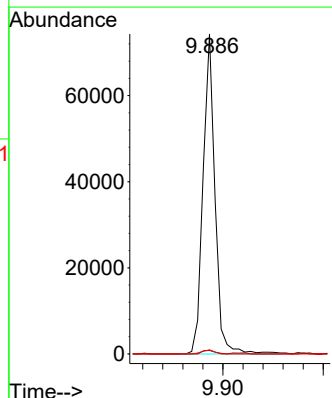
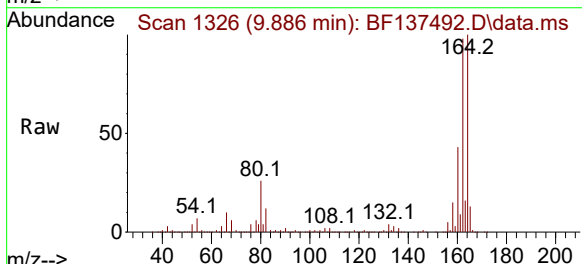
Instrument :
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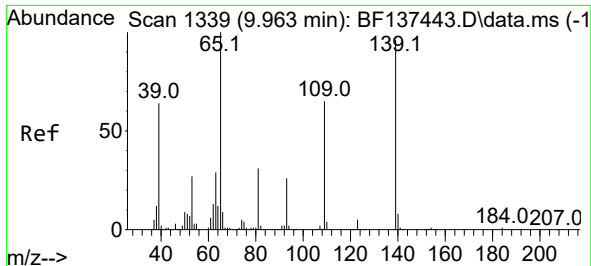
Tgt Ion:163 Resp: 80221
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 607.4 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.704 ng
RT: 9.886 min Scan# 1326
Delta R.T. 0.200 min
Lab File: BF137492.D
Acq: 04 Mar 2024 20:47

Tgt Ion:165 Resp: 61820
Ion Ratio Lower Upper
165 100
63 1.1 50.7 76.1#
89 1.3 50.0 75.0#

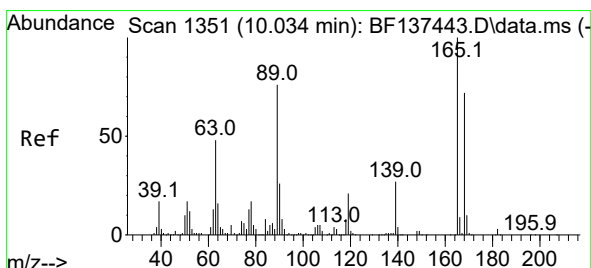
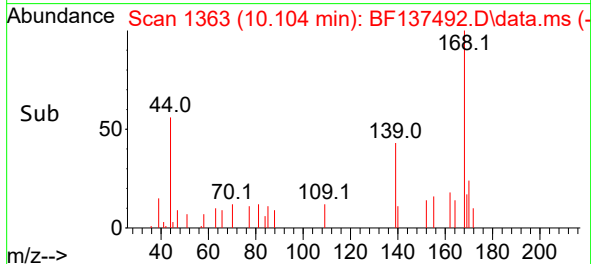
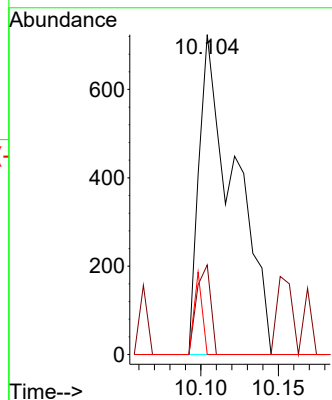
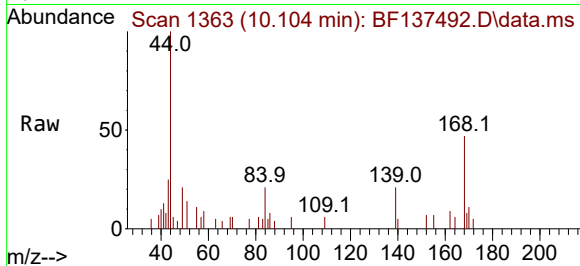




#56
4-Nitrophenol
Concen: 4.731 ng
RT: 10.104 min Scan# 11
Delta R.T. 0.083 min
Lab File: BF137492.D
Acq: 04 Mar 2024 20:47

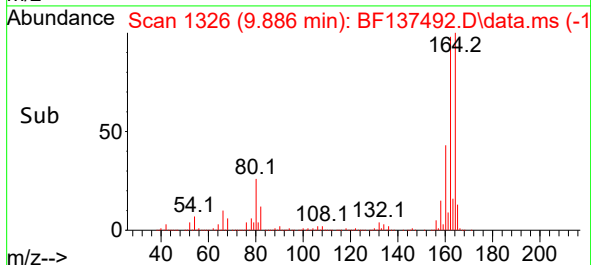
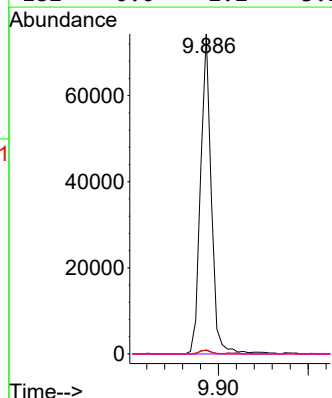
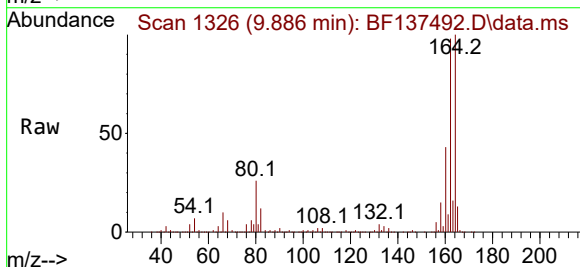
Instrument :
BNA_F
ClientSampleId :
TP-6

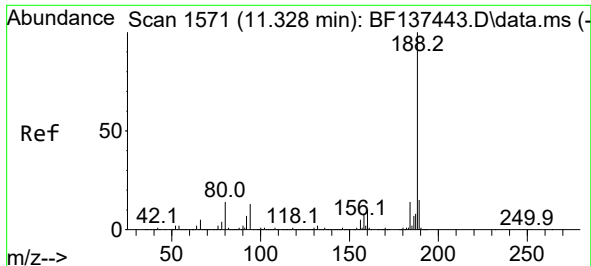
Tgt Ion:139 Resp: 1158
Ion Ratio Lower Upper
139 100
109 28.0 47.1 87.1#
65 0.0 85.1 125.1#



#57
2,4-Dinitrotoluene
Concen: 7.095 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.206 min
Lab File: BF137492.D
Acq: 04 Mar 2024 20:47

Tgt Ion:165 Resp: 61905
Ion Ratio Lower Upper
165 100
63 1.1 39.0 58.6#
89 1.3 60.9 91.3#
182 0.0 2.2 3.2#

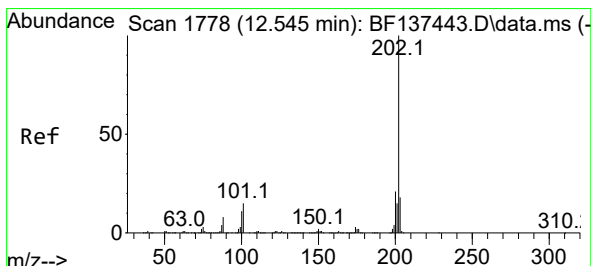
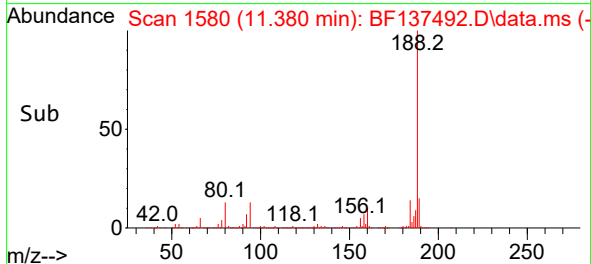
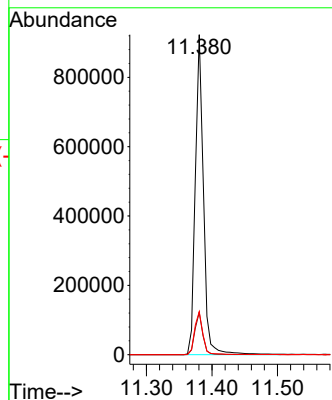
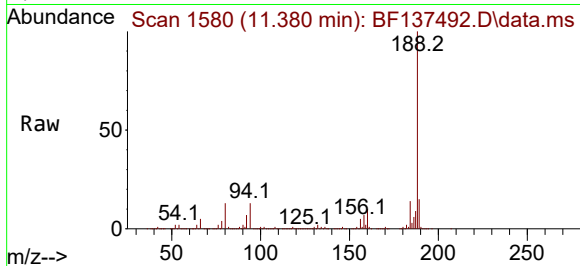




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF137492.D
Acq: 04 Mar 2024 20:47

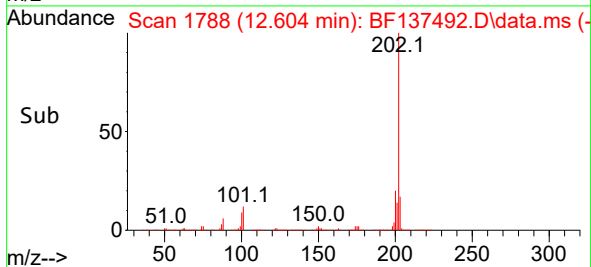
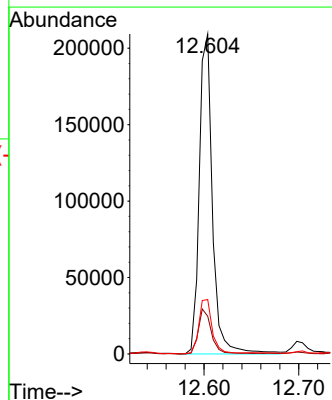
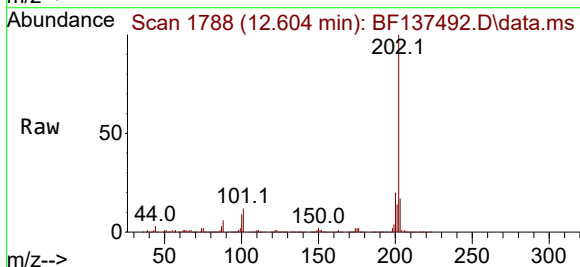
Instrument :
BNA_F
ClientSampleId :
TP-6

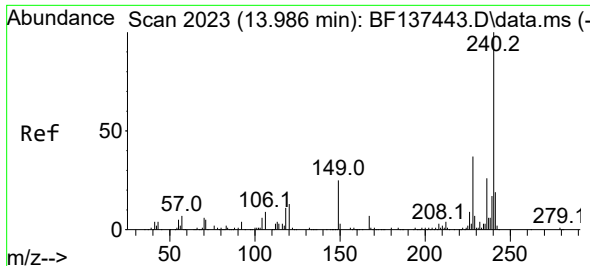
Tgt Ion:188 Resp: 800178
Ion Ratio Lower Upper
188 100
94 13.2 10.6 15.8
80 13.5 11.5 17.3



#75
Fluoranthene
Concen: 4.782 ng
RT: 12.604 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF137492.D
Acq: 04 Mar 2024 20:47

Tgt Ion:202 Resp: 203572
Ion Ratio Lower Upper
202 100
101 11.8 0.0 35.0
203 17.0 0.0 37.7

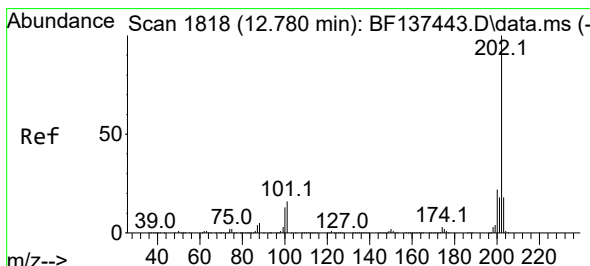
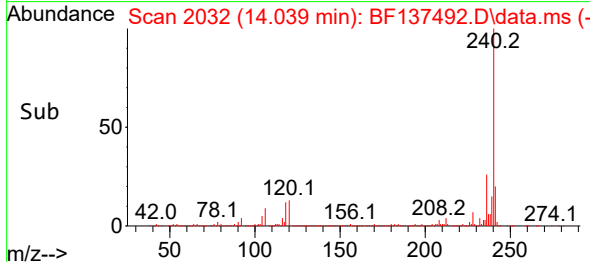
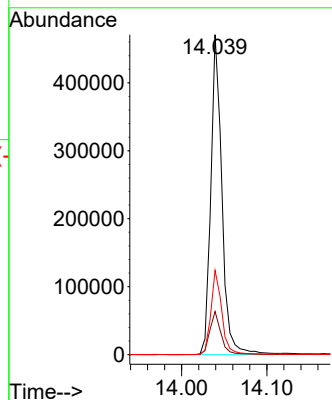
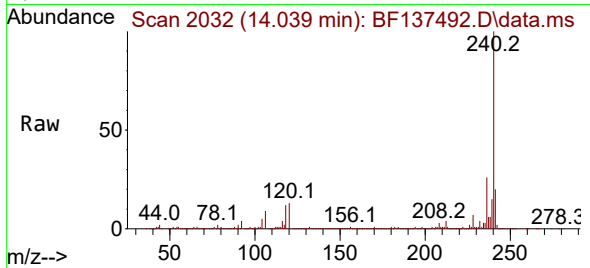




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF137492.D
Acq: 04 Mar 2024 20:47

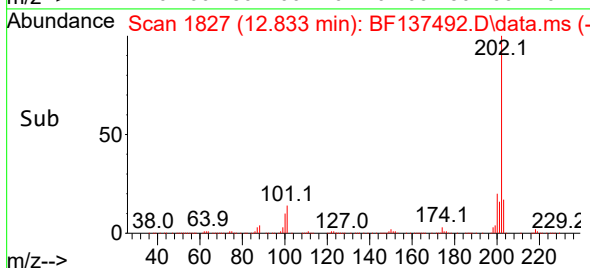
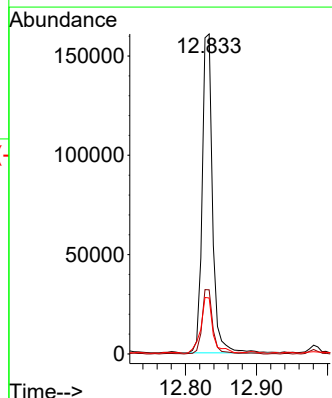
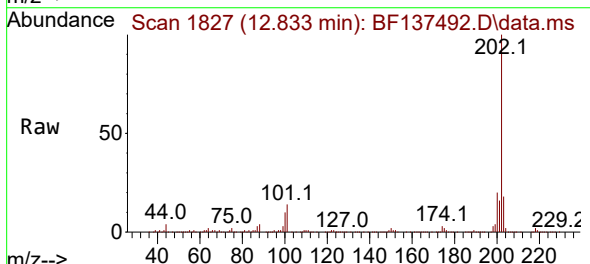
Instrument :
BNA_F
ClientSampleId :
TP-6

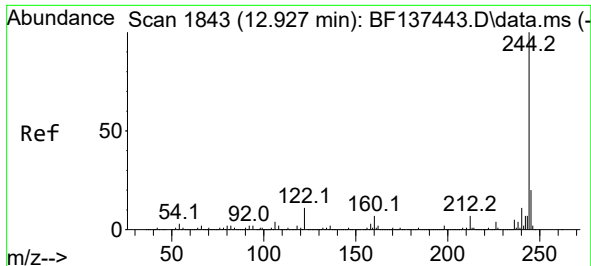
Tgt Ion:240 Resp: 427409
Ion Ratio Lower Upper
240 100
120 13.5 10.4 15.6
236 26.4 20.9 31.3



#78
Pyrene
Concen: 3.887 ng
RT: 12.833 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF137492.D
Acq: 04 Mar 2024 20:47

Tgt Ion:202 Resp: 163028
Ion Ratio Lower Upper
202 100
200 20.0 17.4 26.2
203 17.5 14.1 21.1

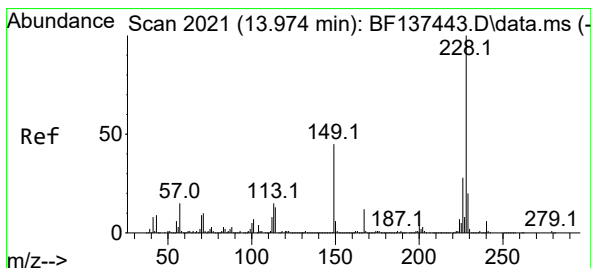
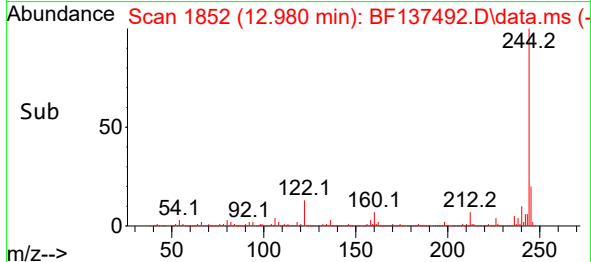
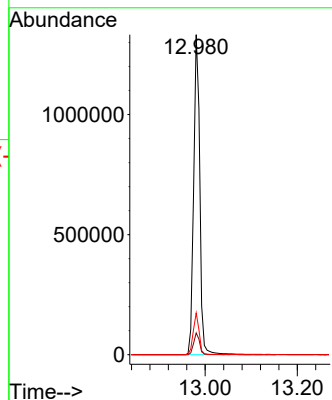
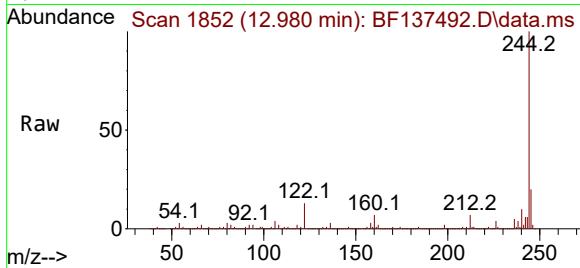




#79
 Terphenyl-d14
 Concen: 39.382 ng
 RT: 12.980 min Scan# 1843
 Delta R.T. -0.012 min
 Lab File: BF137492.D
 Acq: 04 Mar 2024 20:47

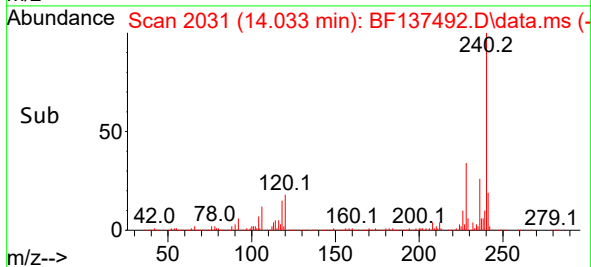
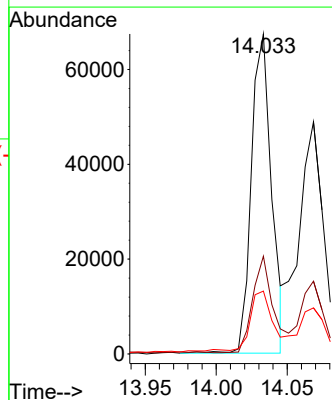
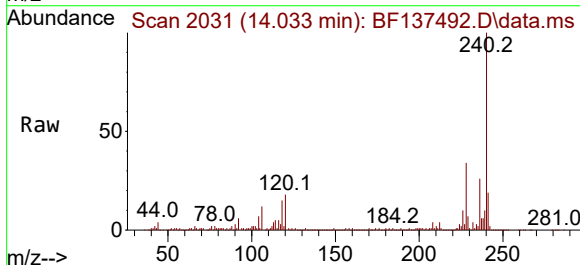
Instrument :
 BNA_F
 ClientSampleId :
 TP-6

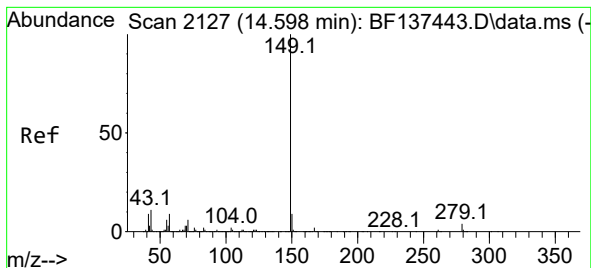
Tgt Ion:244 Resp: 1224068
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.2
 122 13.0 9.1 13.7



#81
 Benzo(a)anthracene
 Concen: 2.224 ng
 RT: 14.033 min Scan# 2031
 Delta R.T. -0.006 min
 Lab File: BF137492.D
 Acq: 04 Mar 2024 20:47

Tgt Ion:228 Resp: 66638
 Ion Ratio Lower Upper
 228 100
 226 30.5 22.3 33.5
 229 19.7 16.3 24.5





#85

Di-n-octyl phthalate

Concen: 5.656 ng

RT: 14.663 min Scan# 2127

Delta R.T. 0.000 min

Lab File: BF137492.D

Acq: 04 Mar 2024 20:47

Instrument :

BNA_F

ClientSampleId :

TP-6

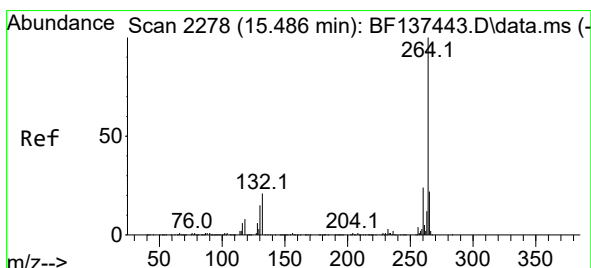
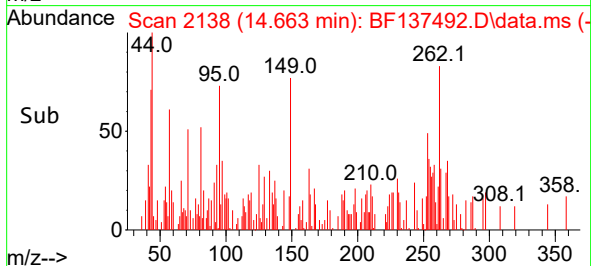
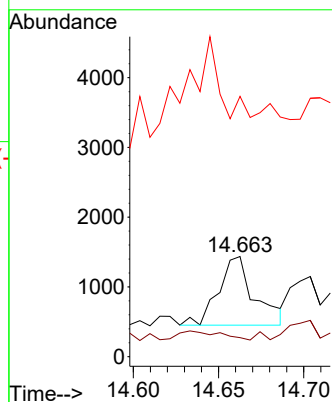
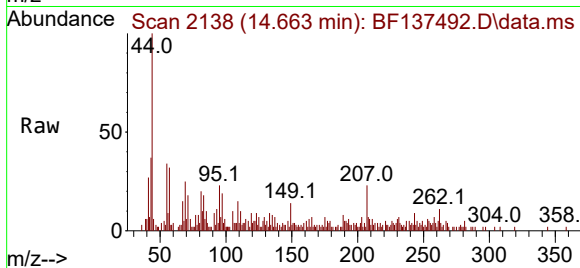
Tgt Ion:149 Resp: 1448

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: 15.568 min Scan# 2292

Delta R.T. 0.000 min

Lab File: BF137492.D

Acq: 04 Mar 2024 20:47

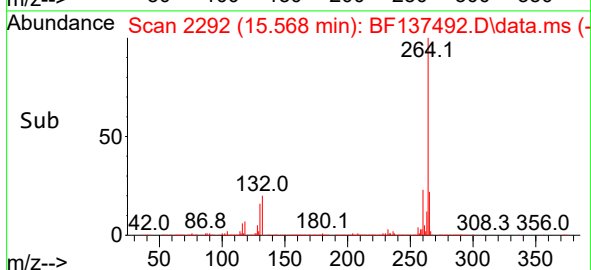
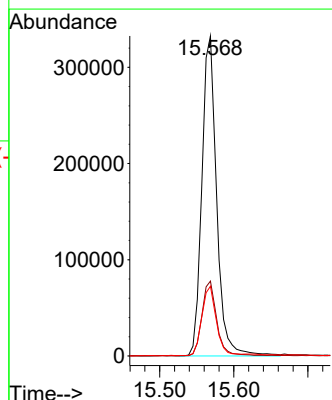
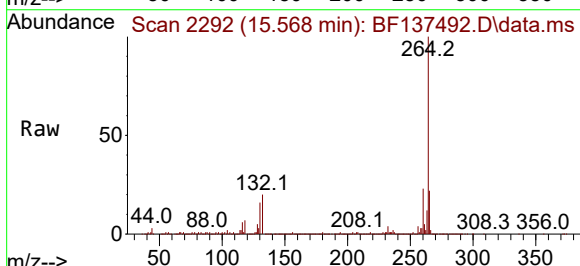
Tgt Ion:264 Resp: 461246

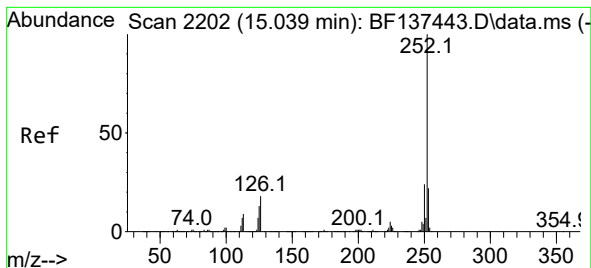
Ion Ratio Lower Upper

264 100

260 23.4 19.3 28.9

265 21.8 17.4 26.0





#88

Benzo(b)fluoranthene

Concen: 3.257 ng

RT: 15.116 min Scan# 2215

Delta R.T. 0.000 min

Lab File: BF137492.D

Acq: 04 Mar 2024 20:47

Instrument :

BNA_F

ClientSampleId :

TP-6

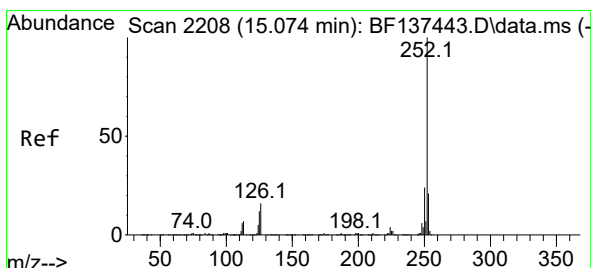
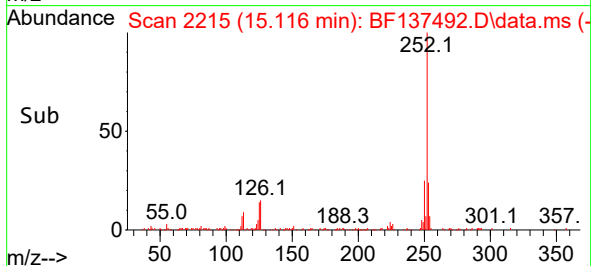
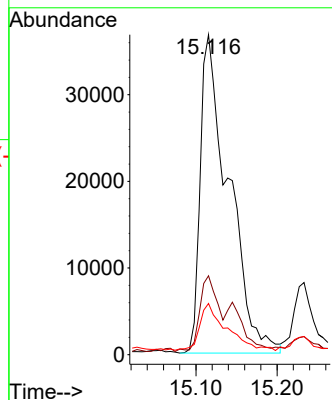
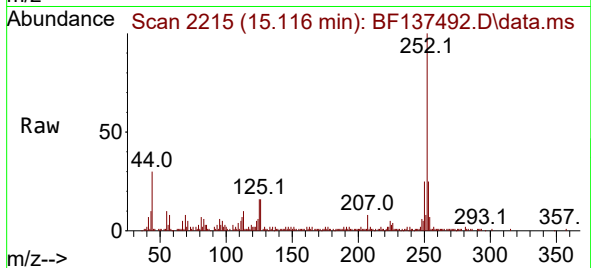
Tgt Ion:252 Resp: 88875

Ion Ratio Lower Upper

252 100

253 24.7 17.8 26.8

125 16.0 10.1 15.1#



#89

Benzo(k)fluoranthene

Concen: 3.033 ng

RT: 15.116 min Scan# 2215

Delta R.T. -0.035 min

Lab File: BF137492.D

Acq: 04 Mar 2024 20:47

Tgt Ion:252 Resp: 88875

Ion Ratio Lower Upper

252 100

253 24.7 17.3 25.9

125 16.0 9.6 14.4#

