

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032224\
 Data File : BF137681.D
 Acq On : 22 Mar 2024 14:56
 Operator : CG\JU
 Sample : P1827-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11933

Quant Time: Mar 22 15:21:20 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 14 14:45:20 2024
 Response via : Initial Calibration

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

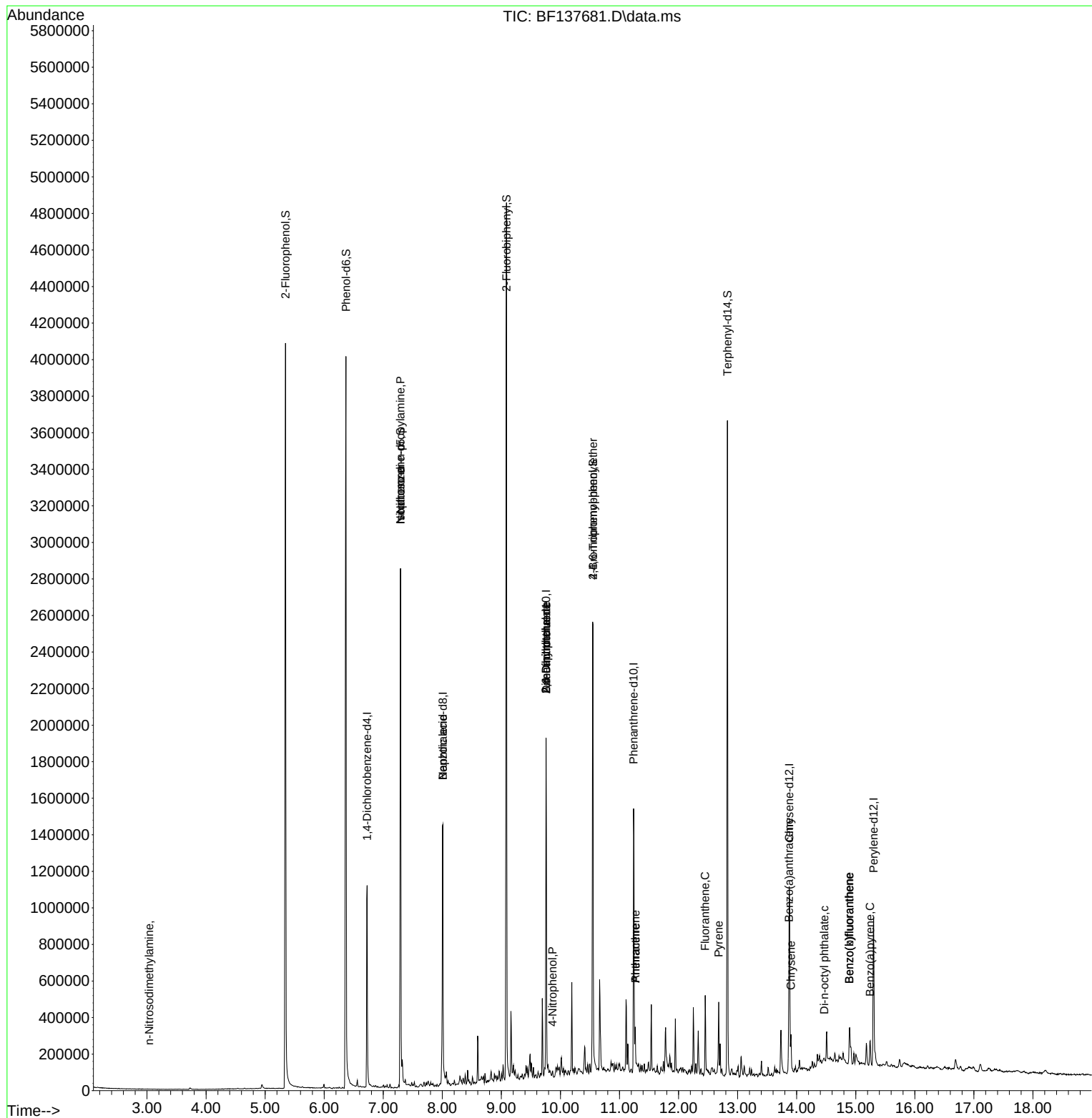
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	177491	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	681814	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	372642	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	559390	20.000	ng	0.00
76) Chrysene-d12	13.874	240	338238	20.000	ng	0.00
86) Perylene-d12	15.304	264	372149	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	1195156	101.983	ng	0.01
7) Phenol-d6	6.369	99	1618698	95.689	ng	0.00
23) Nitrobenzene-d5	7.292	82	1010442	68.859	ng	0.00
42) 2,4,6-Tribromophenol	10.551	330	338682	103.495	ng	0.00
45) 2-Fluorobiphenyl	9.086	172	1509103	63.393	ng	0.00
79) Terphenyl-d14	12.827	244	1186668	48.244	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.040	42	376	3.864	ng	# 1
19) n-Nitroso-di-n-propyla...	7.292	70	131055	12.546	ng	# 79
25) Isophorone	7.292	82	1010119	36.233	ng	# 69
32) Benzoic acid	8.010	122	156	6.320	ng	# 1
50) Dimethylphthalate	9.757	163	55280	2.131	ng	# 1
51) 2,6-Dinitrotoluene	9.757	165	49695	9.159	ng	# 21
56) 4-Nitrophenol	9.869	139	785	4.708	ng	# 1
57) 2,4-Dinitrotoluene	9.757	165	49695	7.455	ng	# 22
67) 4-Bromophenyl-phenylether	10.551	248	22957	3.768	ng	# 1
71) Phenanthrene	11.269	178	92070	3.024	ng	99
72) Anthracene	11.269	178	92070	2.945	ng	99
75) Fluoranthene	12.451	202	165218	5.552	ng	99
78) Pyrene	12.680	202	150822	4.544	ng	99
81) Benzo(a)anthracene	13.868	228	71770	3.027	ng	95
83) Chrysene	13.904	228	89869	3.751	ng	96
85) Di-n-octyl phthalate	14.468	149	12706	6.147	ng	# 36
88) Benzo(b)fluoranthene	14.892	252	146105	6.637	ng	99
89) Benzo(k)fluoranthene	14.892	252	146105	6.179	ng	97
90) Benzo(a)pyrene	15.245	252	68889	3.176	ng	99

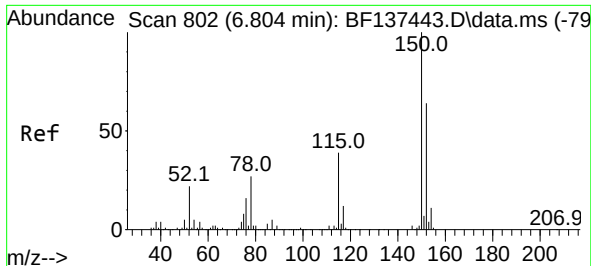
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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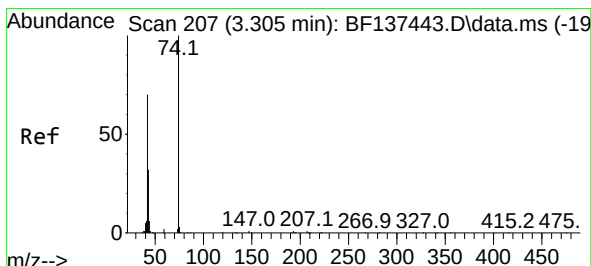
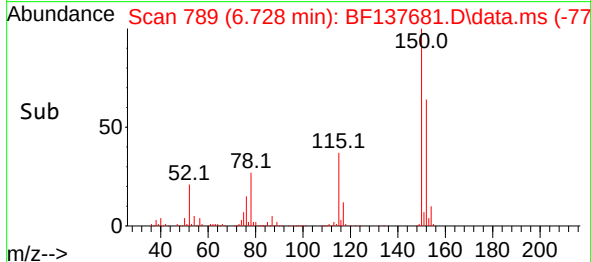
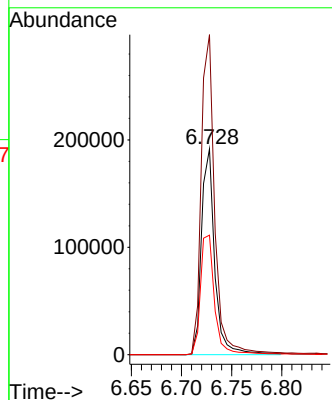
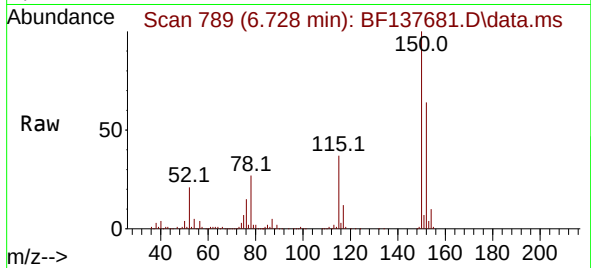




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF137681.D
Acq: 22 Mar 2024 14:56

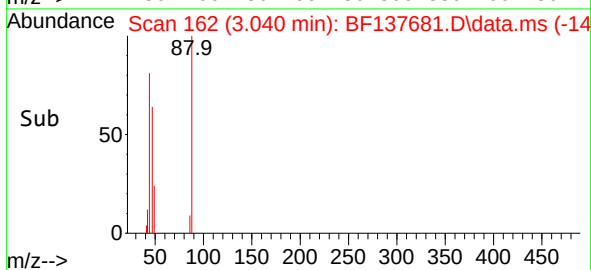
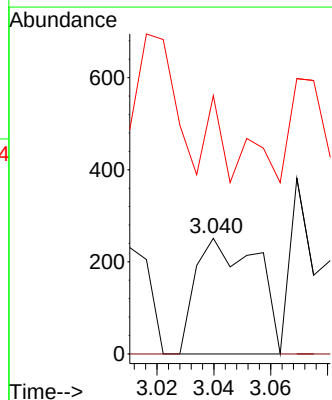
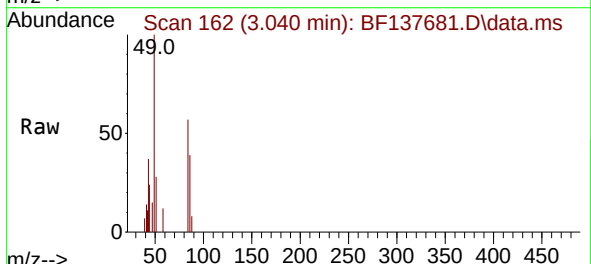
Instrument :
BNA_F
ClientSampleId :
72-11933

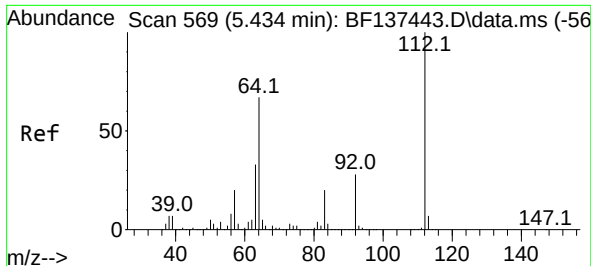
Tgt Ion:152 Resp: 177491
Ion Ratio Lower Upper
152 100
150 155.5 125.8 188.6
115 58.1 48.8 73.2



#4
n-Nitrosodimethylamine
Concen: 3.864 ng
RT: 3.040 min Scan# 162
Delta R.T. -0.000 min
Lab File: BF137681.D
Acq: 22 Mar 2024 14:56

Tgt Ion: 42 Resp: 376
Ion Ratio Lower Upper
42 100
74 0.0 114.0 171.0#
44 223.5 7.0 10.4#

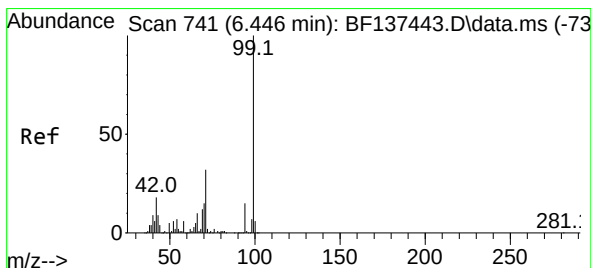
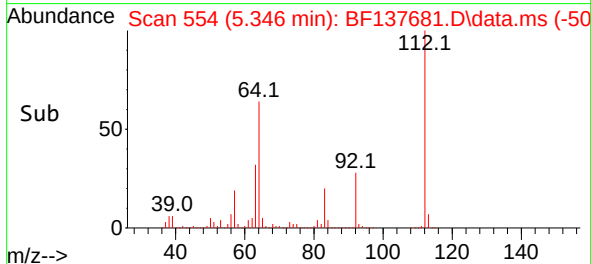
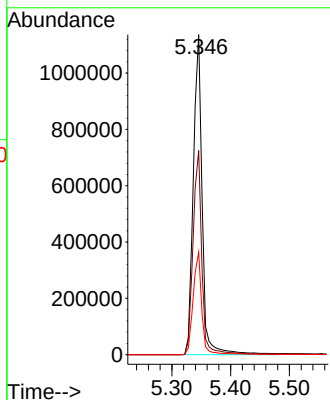
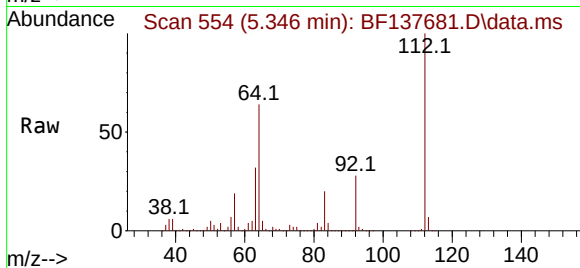




#5
2-Fluorophenol
Concen: 101.983 ng
RT: 5.346 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF137681.D
Acq: 22 Mar 2024 14:56

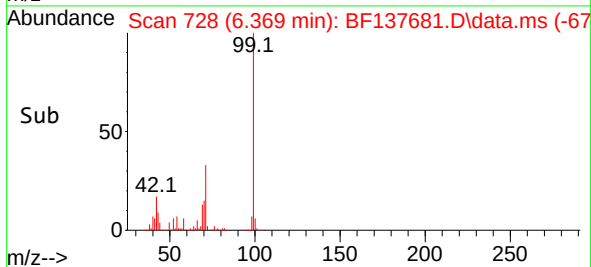
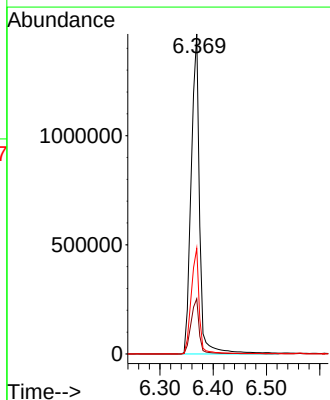
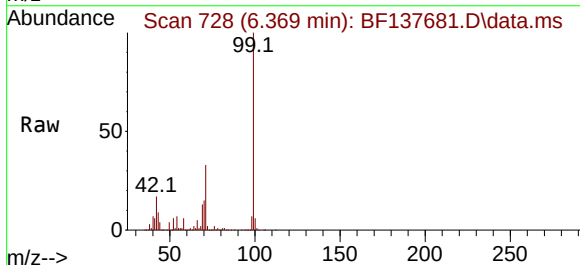
Instrument :
BNA_F
ClientSampleId :
72-11933

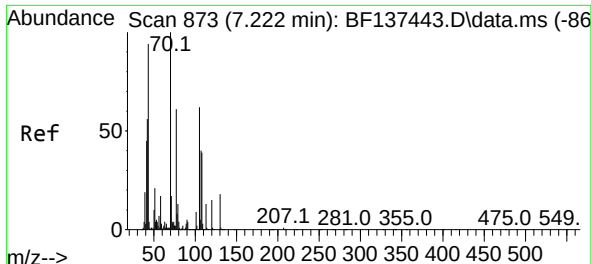
Tgt Ion:112 Resp: 1195156
Ion Ratio Lower Upper
112 100
64 63.8 53.4 80.2
63 32.1 26.2 39.2



#7
Phenol-d6
Concen: 95.689 ng
RT: 6.369 min Scan# 728
Delta R.T. -0.000 min
Lab File: BF137681.D
Acq: 22 Mar 2024 14:56

Tgt Ion: 99 Resp: 1618698
Ion Ratio Lower Upper
99 100
42 17.2 14.6 21.8
71 33.0 25.3 37.9



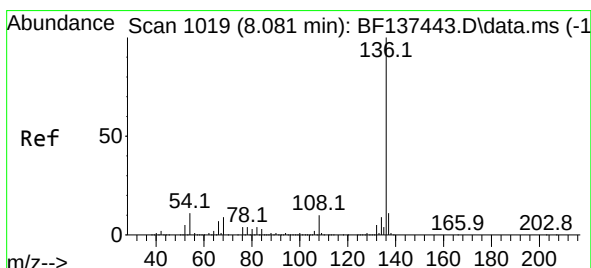
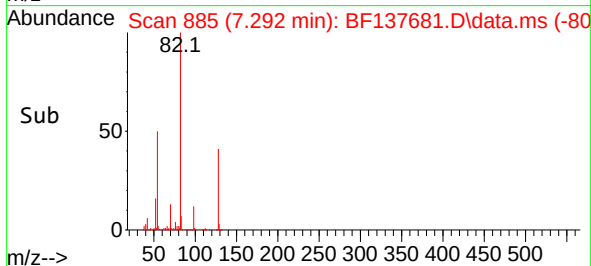
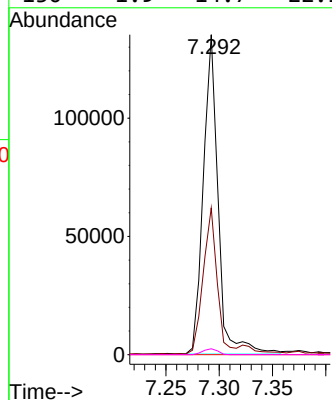
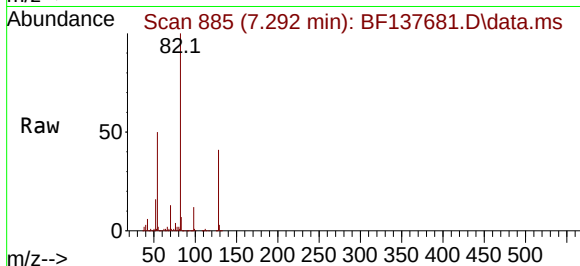


#19
n-Nitroso-di-n-propylamine
Concen: 12.546 ng
RT: 7.292 min Scan# 81
Delta R.T. 0.147 min
Lab File: BF137681.D
Acq: 22 Mar 2024 14:56

Instrument :
BNA_F
ClientSampleId :
72-11933

Tgt Ion: 70 Resp: 131055

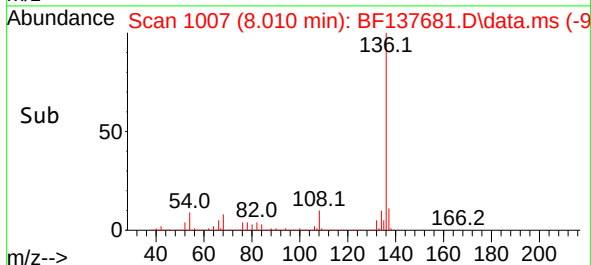
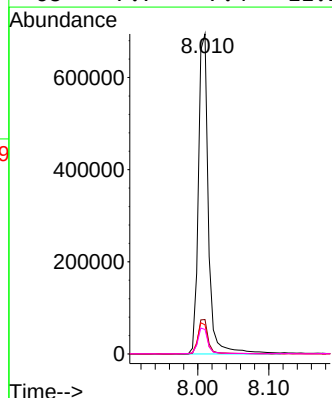
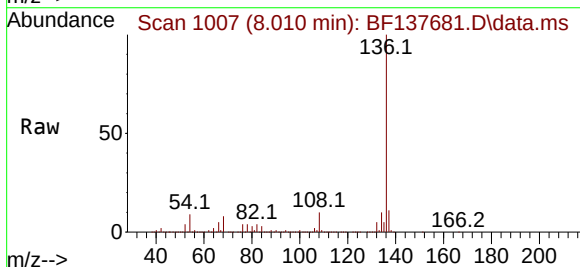
Ion	Ratio	Lower	Upper
70	100		
42	45.8	45.2	67.8
101	0.0	7.3	10.9#
130	1.9	14.7	22.1#

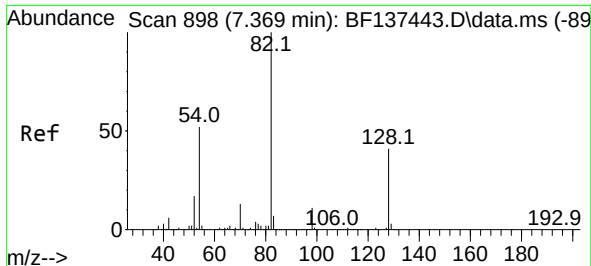


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 1007
Delta R.T. -0.000 min
Lab File: BF137681.D
Acq: 22 Mar 2024 14:56

Tgt Ion: 136 Resp: 681814

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	9.1	8.5	12.7
68	7.7	7.4	11.2





#23

Nitrobenzene-d5

Concen: 68.859 ng

RT: 7.292 min Scan# 885

Delta R.T. -0.006 min

Lab File: BF137681.D

Acq: 22 Mar 2024 14:56

Instrument :

BNA_F

ClientSampleId :

72-11933

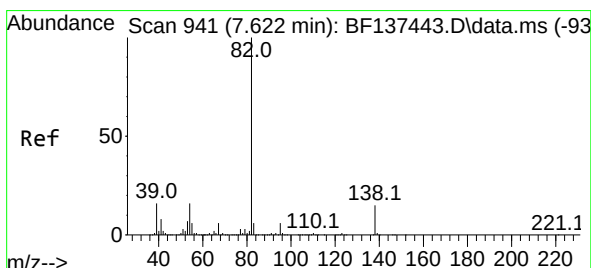
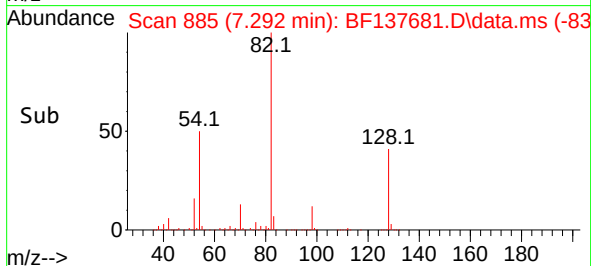
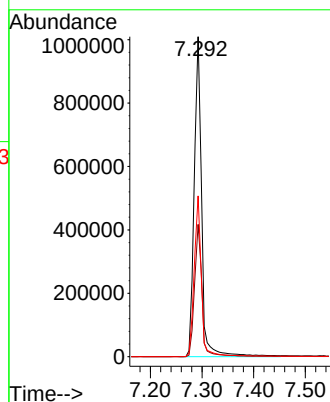
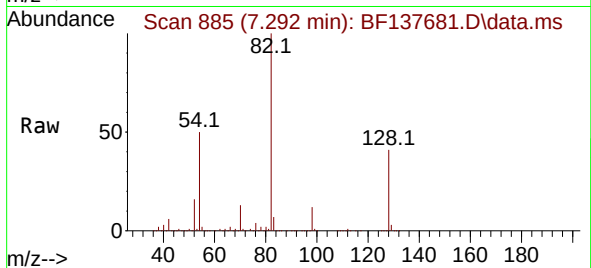
Tgt Ion: 82 Resp: 1010442

Ion Ratio Lower Upper

82 100

128 41.3 32.5 48.7

54 50.2 41.5 62.3



#25

Isophorone

Concen: 36.233 ng

RT: 7.292 min Scan# 885

Delta R.T. -0.259 min

Lab File: BF137681.D

Acq: 22 Mar 2024 14:56

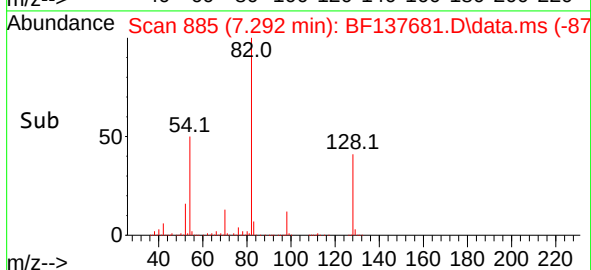
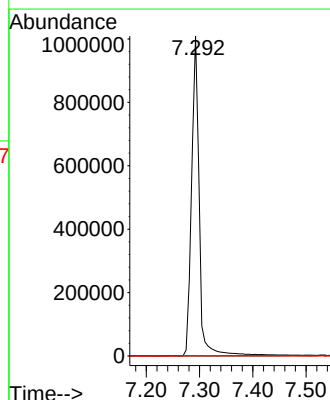
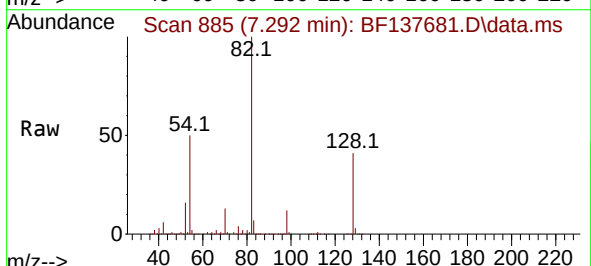
Tgt Ion: 82 Resp: 1010119

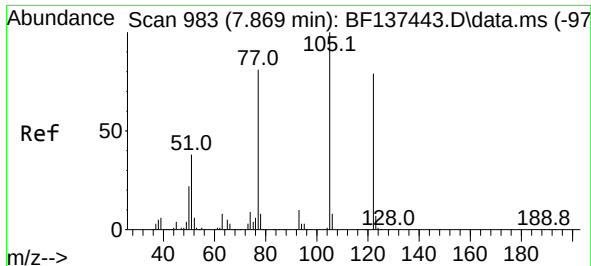
Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

138 0.0 11.8 17.8#





#32

Benzoic acid

Concen: 6.320 ng

RT: 8.010 min Scan# 1007

Delta R.T. 0.212 min

Lab File: BF137681.D

Acq: 22 Mar 2024 14:56

Instrument :

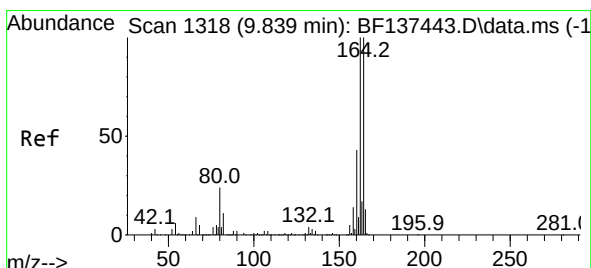
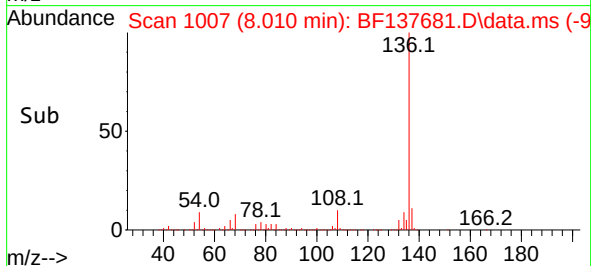
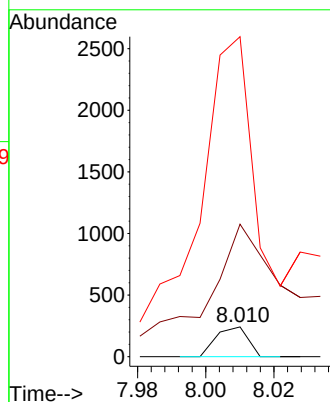
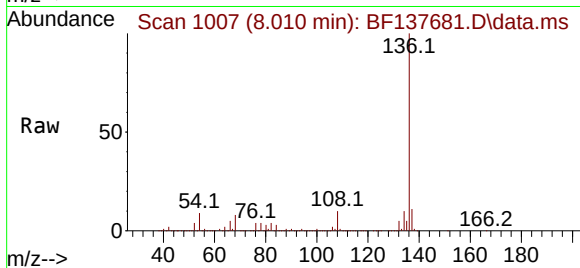
BNA_F

ClientSampleId :

72-11933

Tgt Ion:122 Resp: 156

Ion	Ratio	Lower	Upper
122	100		
105	446.1	102.4	142.4#
77	1077.6	81.1	121.1#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.757 min Scan# 1304

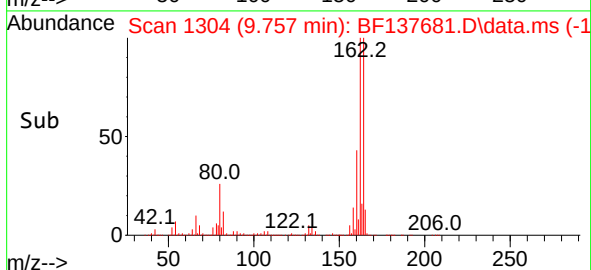
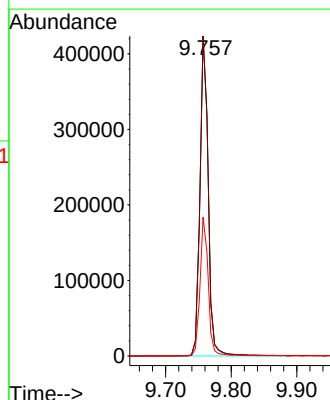
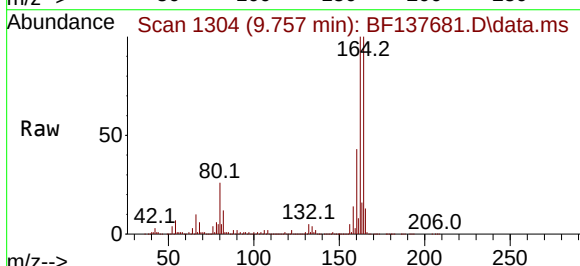
Delta R.T. -0.006 min

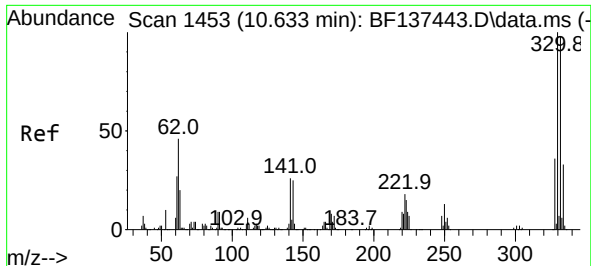
Lab File: BF137681.D

Acq: 22 Mar 2024 14:56

Tgt Ion:164 Resp: 372642

Ion	Ratio	Lower	Upper
164	100		
162	99.9	79.8	119.8
160	43.4	34.4	51.6





#42

2,4,6-Tribromophenol

Concen: 103.495 ng

RT: 10.551 min Scan# 1453

Delta R.T. -0.000 min

Lab File: BF137681.D

Acq: 22 Mar 2024 14:56

Instrument :

BNA_F

ClientSampleId :

72-11933

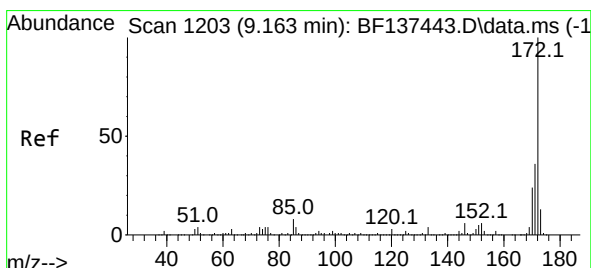
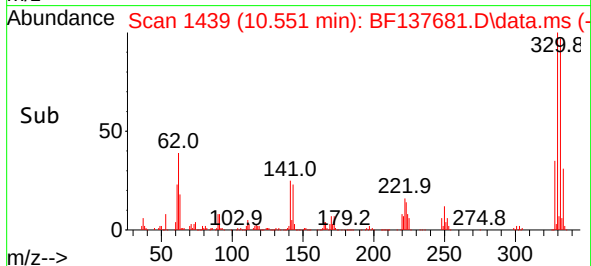
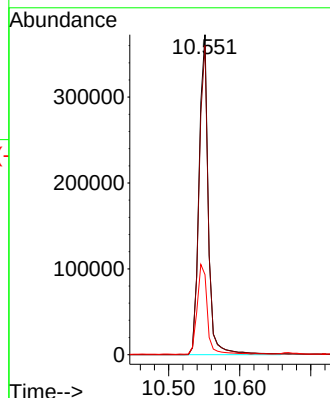
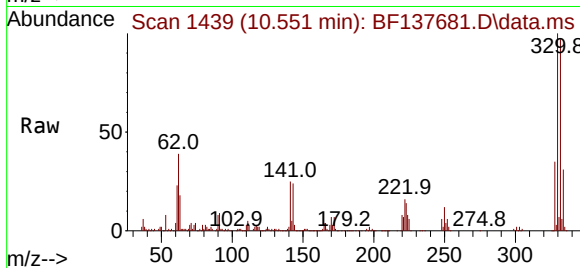
Tgt Ion:330 Resp: 338682

Ion Ratio Lower Upper

330 100

332 97.9 78.0 117.0

141 30.8 27.3 40.9



#45

2-Fluorobiphenyl

Concen: 63.393 ng

RT: 9.086 min Scan# 1190

Delta R.T. -0.000 min

Lab File: BF137681.D

Acq: 22 Mar 2024 14:56

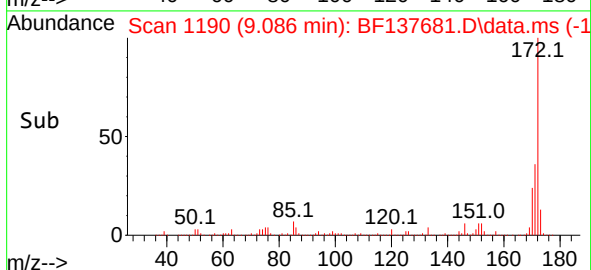
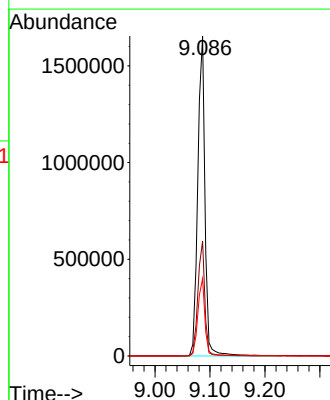
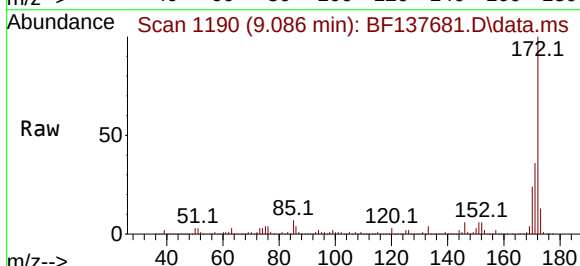
Tgt Ion:172 Resp: 1509103

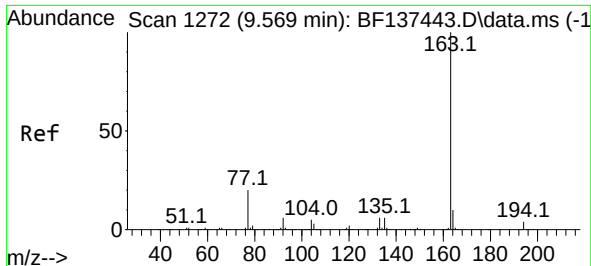
Ion Ratio Lower Upper

172 100

171 35.9 28.5 42.7

170 24.1 19.0 28.6

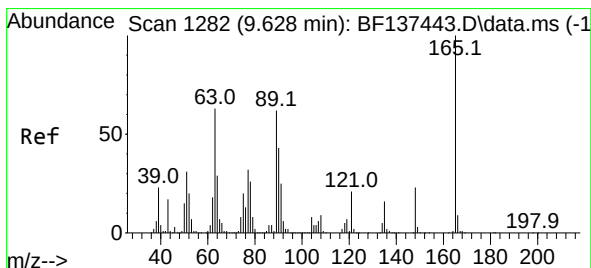
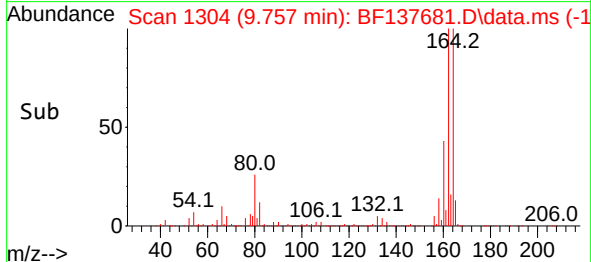
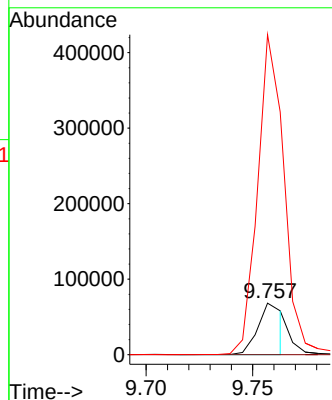
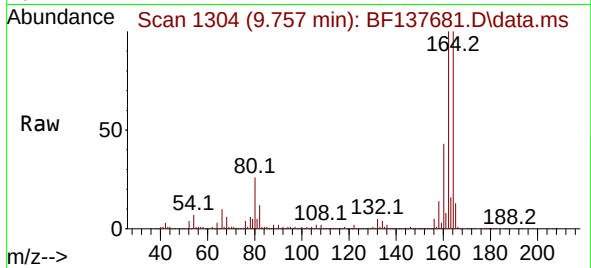




#50
Dimethylphthalate
Concen: 2.131 ng
RT: 9.757 min Scan# 1304
Delta R.T. 0.265 min
Lab File: BF137681.D
Acq: 22 Mar 2024 14:56

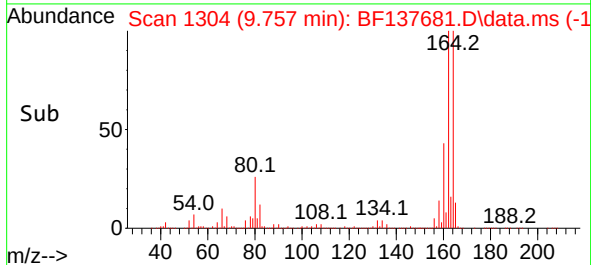
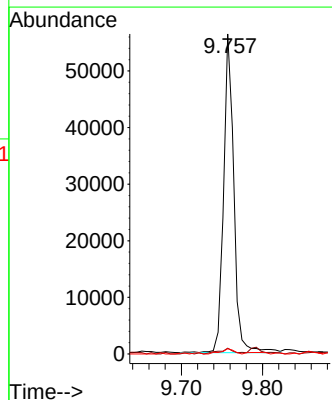
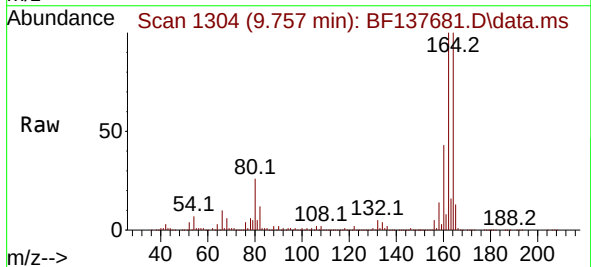
Instrument :
BNA_F
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72-11933

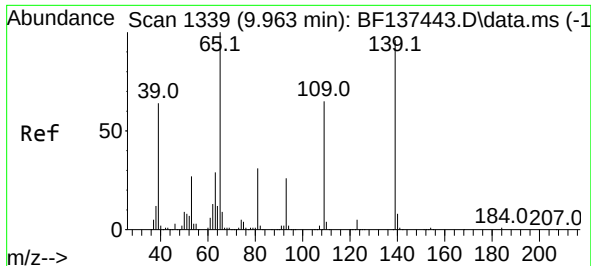
Tgt Ion:163 Resp: 55280
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 620.5 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 9.159 ng
RT: 9.757 min Scan# 1304
Delta R.T. 0.206 min
Lab File: BF137681.D
Acq: 22 Mar 2024 14:56

Tgt Ion:165 Resp: 49695
Ion Ratio Lower Upper
165 100
63 1.8 50.7 76.1#
89 1.7 50.0 75.0#

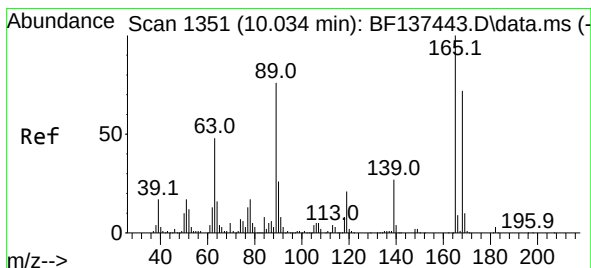
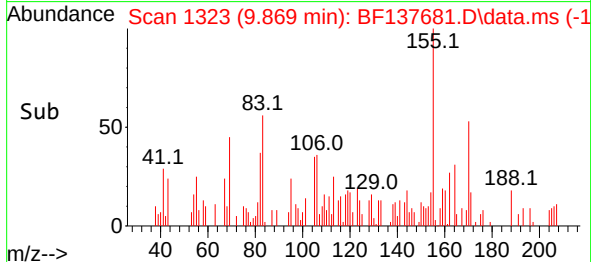
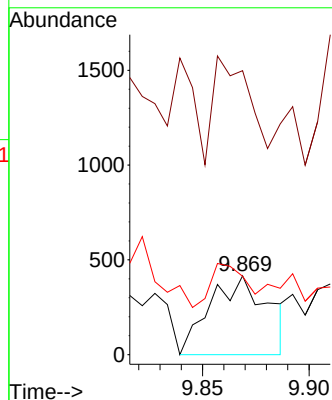
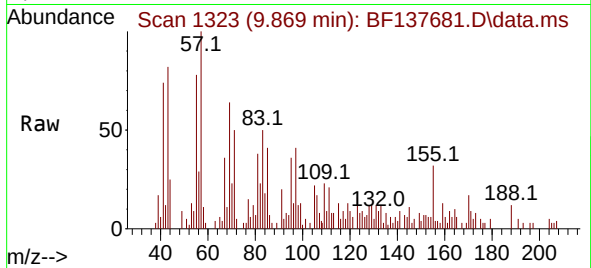




#56
4-Nitrophenol
Concen: 4.708 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF137681.D
Acq: 22 Mar 2024 14:56

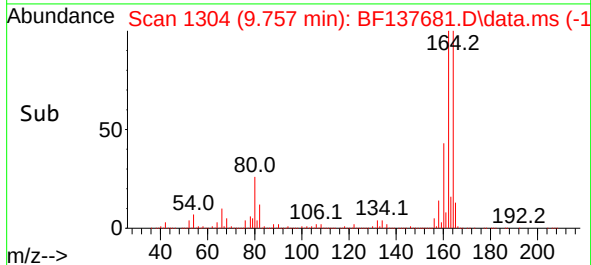
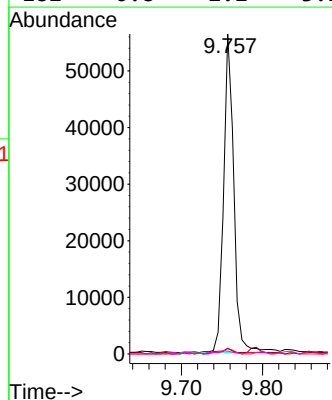
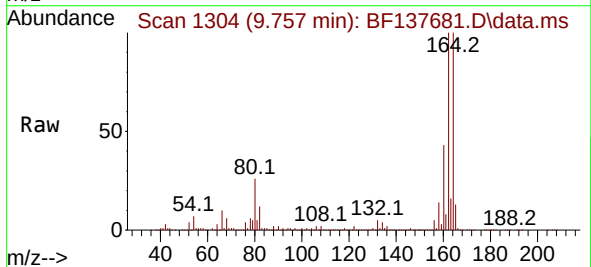
Instrument :
BNA_F
ClientSampleId :
72-11933

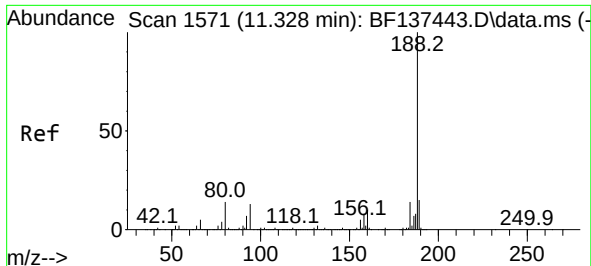
Tgt Ion:139 Resp: 785
Ion Ratio Lower Upper
139 100
109 360.1 47.1 87.1#
65 99.3 85.1 125.1



#57
2,4-Dinitrotoluene
Concen: 7.455 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.200 min
Lab File: BF137681.D
Acq: 22 Mar 2024 14:56

Tgt Ion:165 Resp: 49695
Ion Ratio Lower Upper
165 100
63 1.8 39.0 58.6#
89 1.7 60.9 91.3#
182 0.8 2.2 3.2#

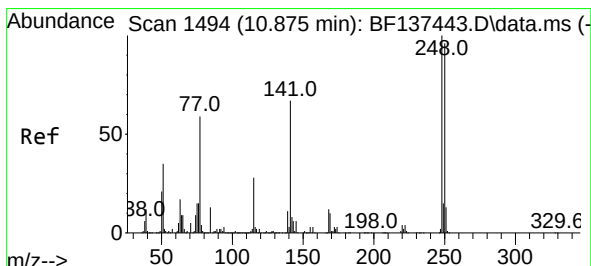
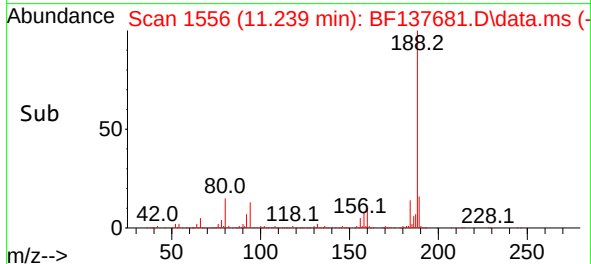
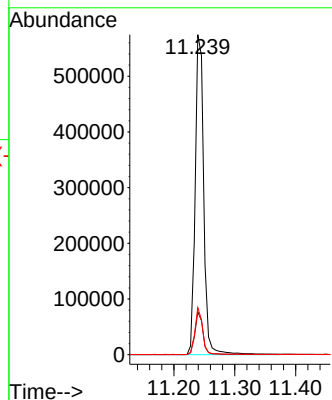
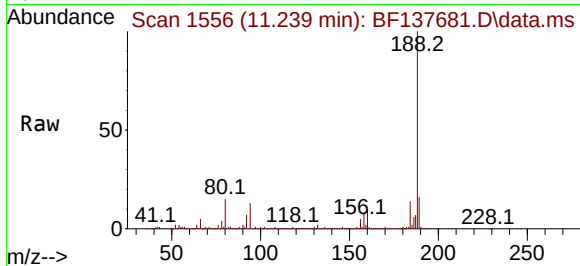




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF137681.D
Acq: 22 Mar 2024 14:56

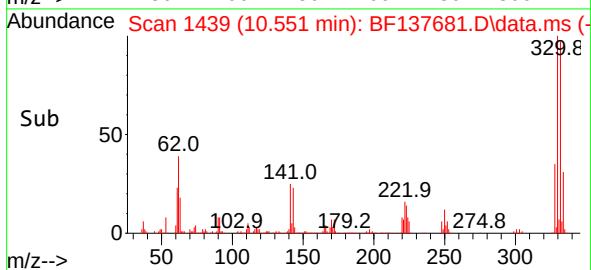
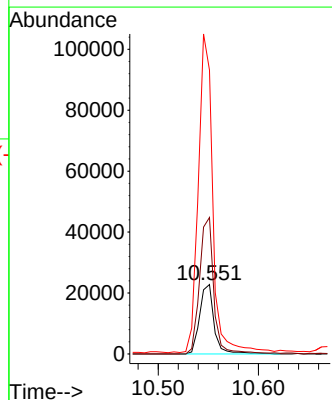
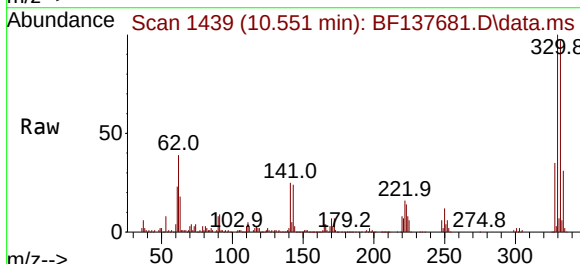
Instrument :
BNA_F
ClientSampleId :
72-11933

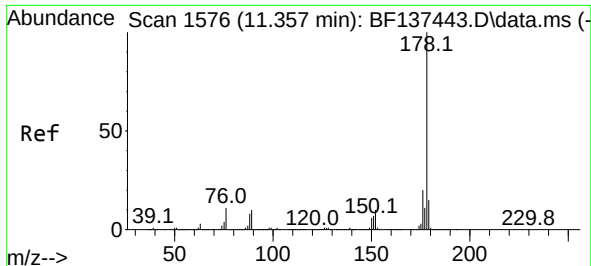
Tgt Ion:188 Resp: 559390
Ion Ratio Lower Upper
188 100
94 13.3 10.6 15.8
80 14.7 11.5 17.3



#67
4-Bromophenyl-phenylether
Concen: 3.768 ng
RT: 10.551 min Scan# 1439
Delta R.T. -0.241 min
Lab File: BF137681.D
Acq: 22 Mar 2024 14:56

Tgt Ion:248 Resp: 22957
Ion Ratio Lower Upper
248 100
250 196.3 76.8 115.2#
141 408.4 53.4 80.0#

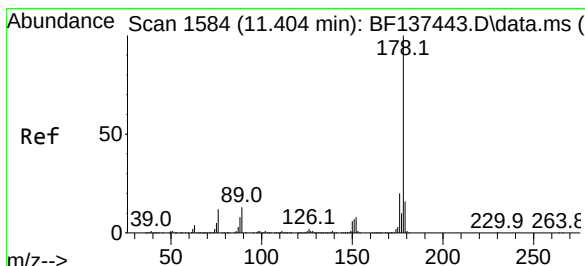
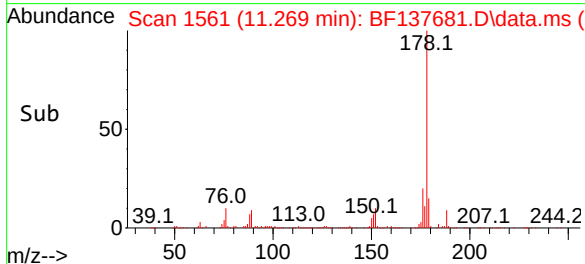
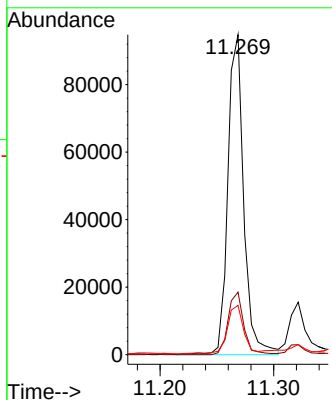
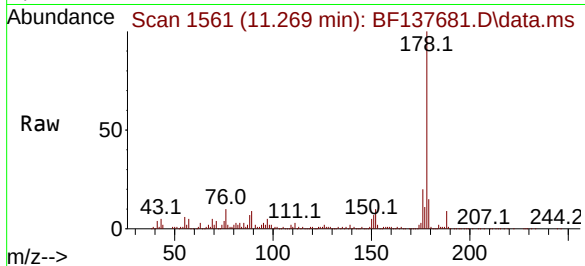




#71
Phenanthrene
Concen: 3.024 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.000 min
Lab File: BF137681.D
Acq: 22 Mar 2024 14:56

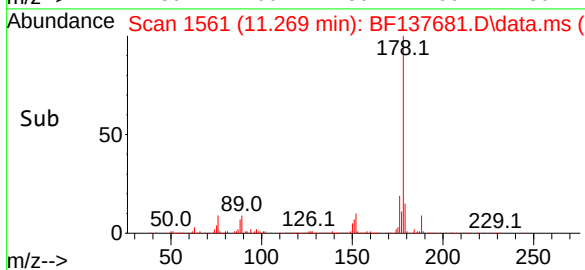
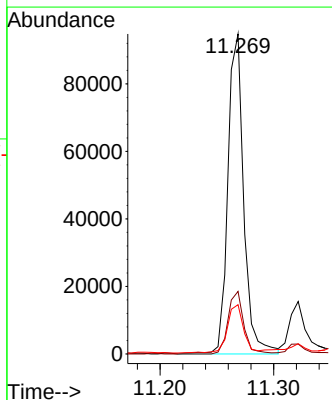
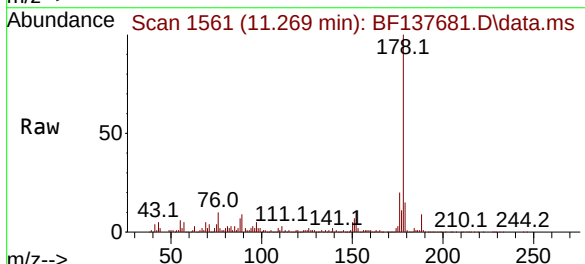
Instrument :
BNA_F
ClientSampleId :
72-11933

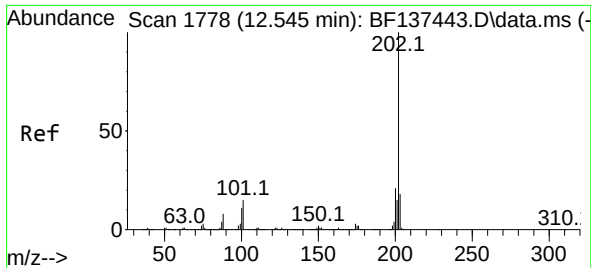
Tgt Ion:178 Resp: 92070
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 15.4 12.2 18.2



#72
Anthracene
Concen: 2.945 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.047 min
Lab File: BF137681.D
Acq: 22 Mar 2024 14:56

Tgt Ion:178 Resp: 92070
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 15.4 12.7 19.1

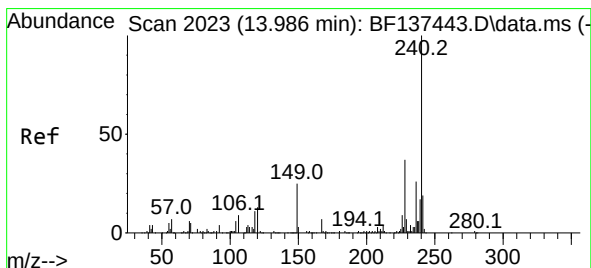
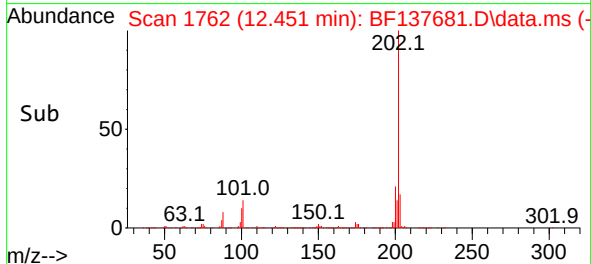
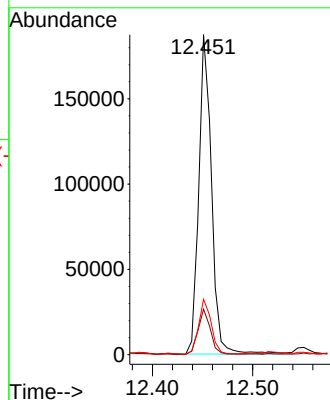
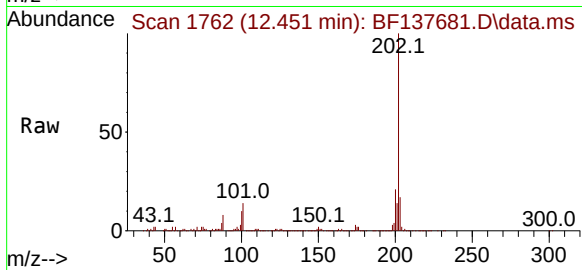




#75
Fluoranthene
Concen: 5.552 ng
RT: 12.451 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF137681.D
Acq: 22 Mar 2024 14:56

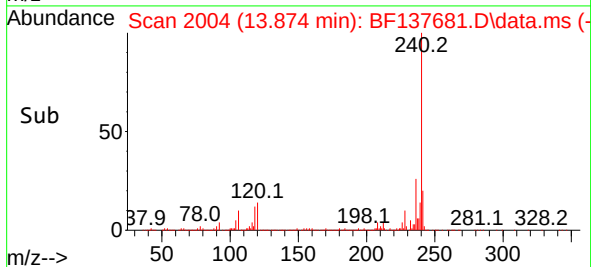
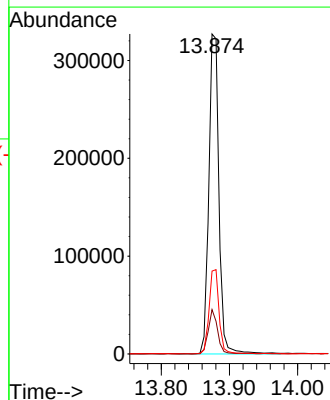
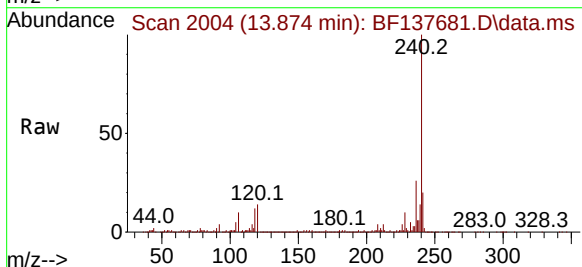
Instrument :
BNA_F
ClientSampleId :
72-11933

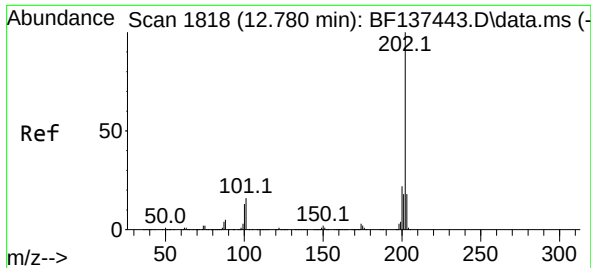
Tgt Ion:202 Resp: 165218
Ion Ratio Lower Upper
202 100
101 14.3 0.0 35.0
203 17.3 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.874 min Scan# 2004
Delta R.T. -0.000 min
Lab File: BF137681.D
Acq: 22 Mar 2024 14:56

Tgt Ion:240 Resp: 338238
Ion Ratio Lower Upper
240 100
120 13.9 10.4 15.6
236 25.9 20.9 31.3

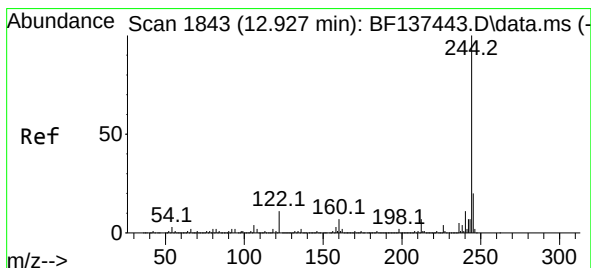
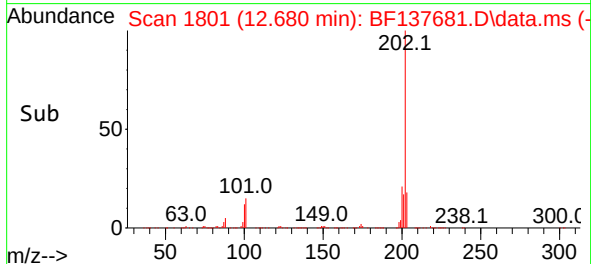
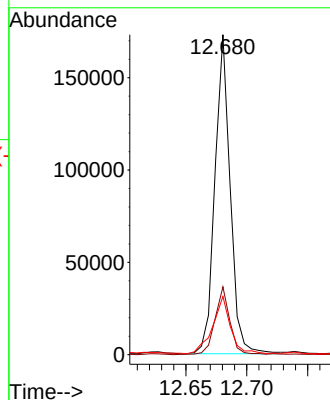
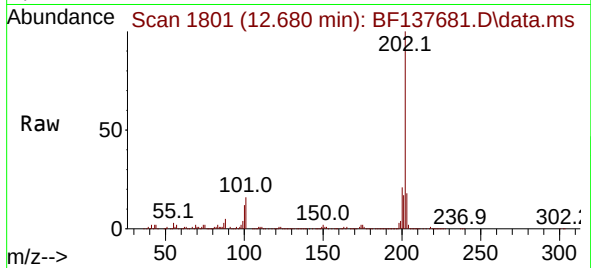




#78
Pyrene
Concen: 4.544 ng
RT: 12.680 min Scan# 1801
Delta R.T. -0.000 min
Lab File: BF137681.D
Acq: 22 Mar 2024 14:56

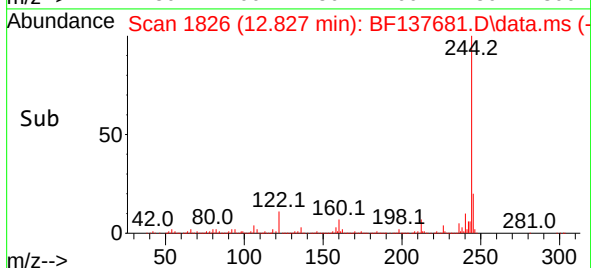
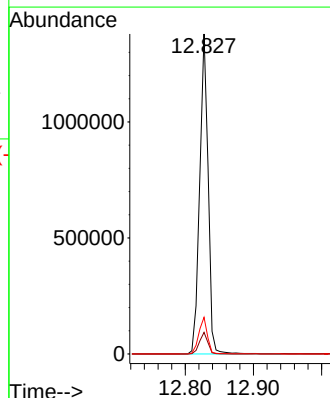
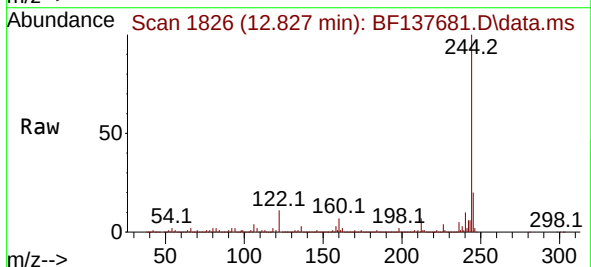
Instrument :
BNA_F
ClientSampleId :
72-11933

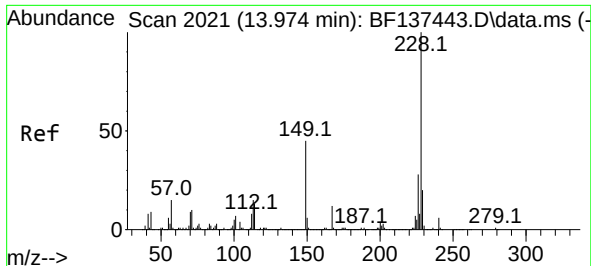
Tgt Ion:202 Resp: 150822
Ion Ratio Lower Upper
202 100
200 21.2 17.4 26.2
203 18.2 14.1 21.1



#79
Terphenyl-d14
Concen: 48.244 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.000 min
Lab File: BF137681.D
Acq: 22 Mar 2024 14:56

Tgt Ion:244 Resp: 1186668
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.2
122 11.4 9.1 13.7

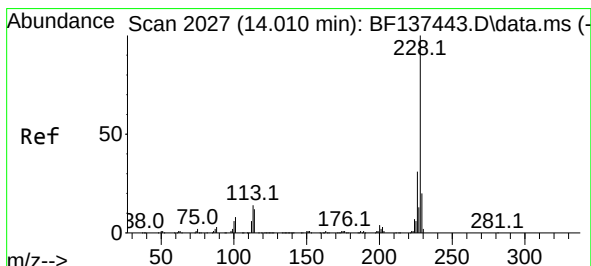
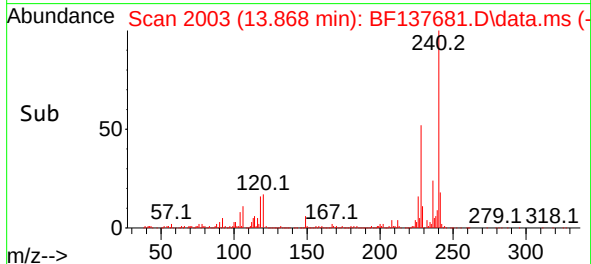
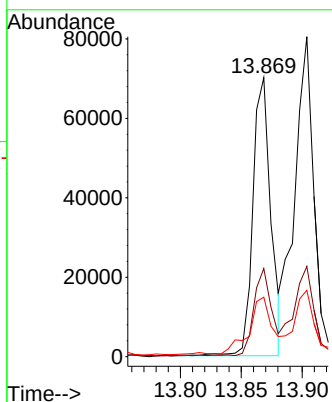
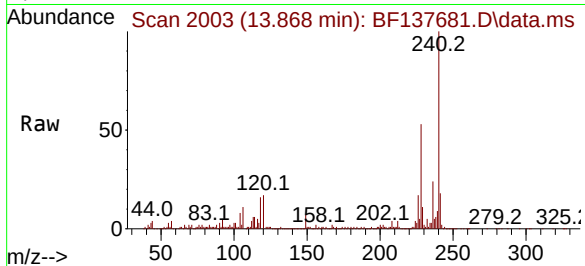




#81
Benzo(a)anthracene
Concen: 3.027 ng
RT: 13.868 min Scan# 2009
Delta R.T. -0.000 min
Lab File: BF137681.D
Acq: 22 Mar 2024 14:56

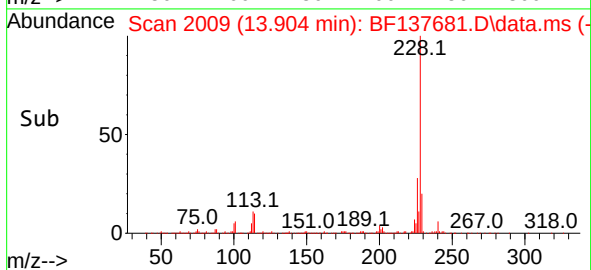
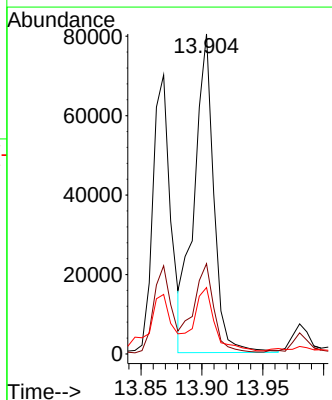
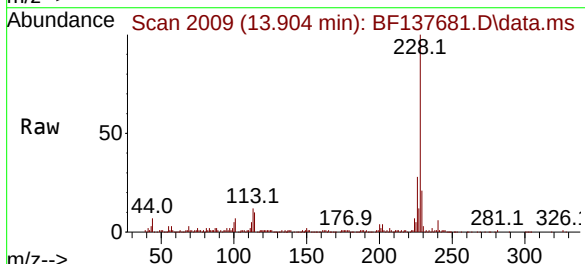
Instrument :
BNA_F
ClientSampleId :
72-11933

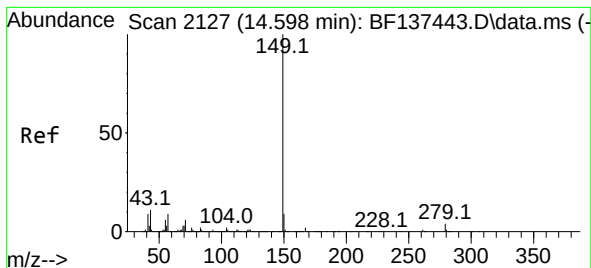
Tgt Ion:228 Resp: 71770
Ion Ratio Lower Upper
228 100
226 31.6 22.3 33.5
229 21.3 16.3 24.5



#83
Chrysene
Concen: 3.751 ng
RT: 13.904 min Scan# 2009
Delta R.T. -0.000 min
Lab File: BF137681.D
Acq: 22 Mar 2024 14:56

Tgt Ion:228 Resp: 89869
Ion Ratio Lower Upper
228 100
226 28.2 24.7 37.1
229 20.8 15.9 23.9





#85

Di-n-octyl phthalate

Concen: 6.147 ng

RT: 14.468 min Scan# 2127

Delta R.T. -0.006 min

Lab File: BF137681.D

Acq: 22 Mar 2024 14:56

Instrument :

BNA_F

ClientSampleId :

72-11933

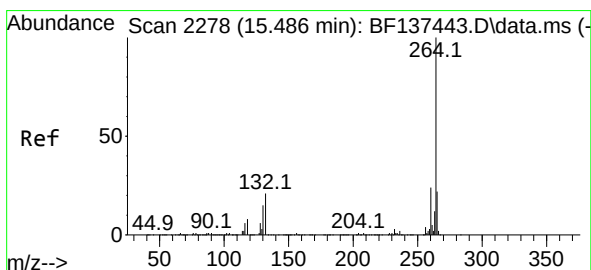
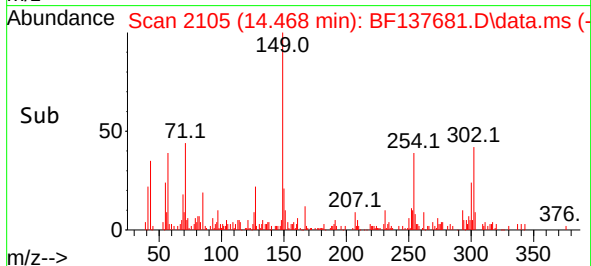
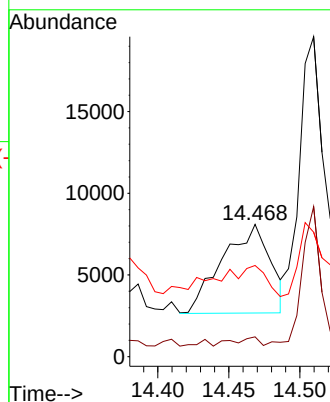
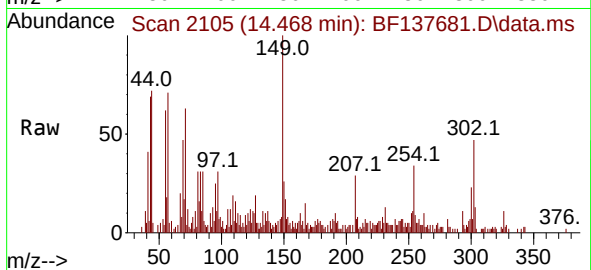
Tgt Ion:149 Resp: 12706

Ion Ratio Lower Upper

149 100

167 6.6 1.2 1.8#

43 39.3 9.6 14.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.304 min Scan# 2247

Delta R.T. 0.006 min

Lab File: BF137681.D

Acq: 22 Mar 2024 14:56

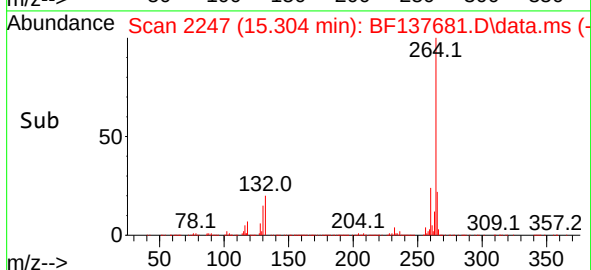
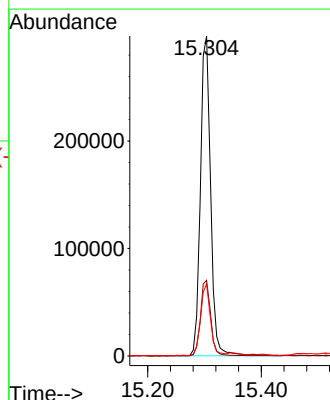
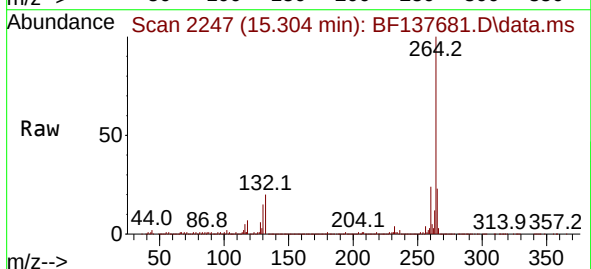
Tgt Ion:264 Resp: 372149

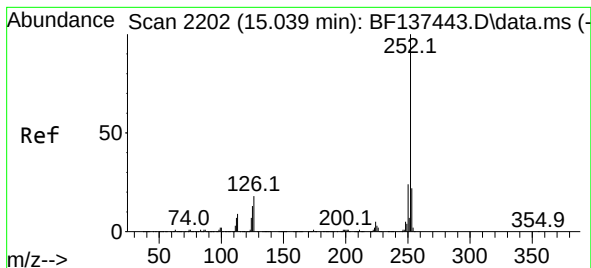
Ion Ratio Lower Upper

264 100

260 23.7 19.3 28.9

265 22.5 17.4 26.0





#88

Benzo(b)fluoranthene

Concen: 6.637 ng

RT: 14.892 min Scan# 2177

Delta R.T. -0.000 min

Lab File: BF137681.D

Acq: 22 Mar 2024 14:56

Instrument :

BNA_F

ClientSampleId :

72-11933

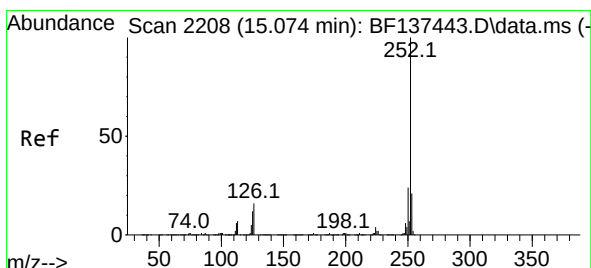
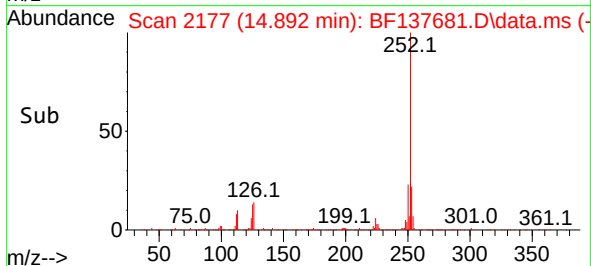
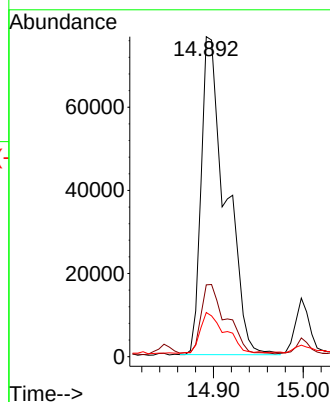
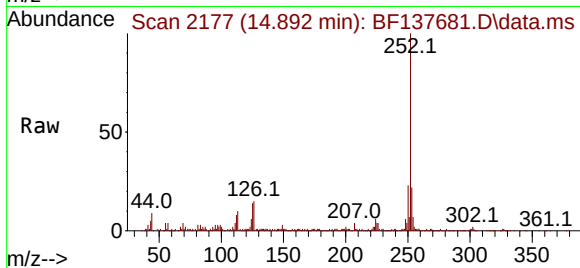
Tgt Ion:252 Resp: 146105

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.8

125 13.8 10.1 15.1



#89

Benzo(k)fluoranthene

Concen: 6.179 ng

RT: 14.892 min Scan# 2177

Delta R.T. -0.029 min

Lab File: BF137681.D

Acq: 22 Mar 2024 14:56

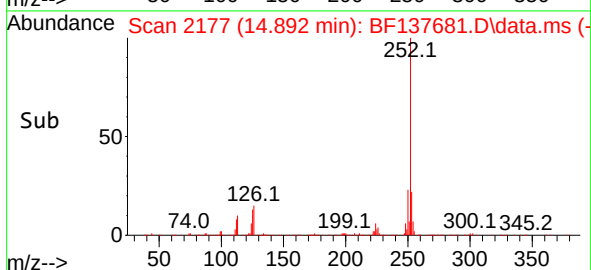
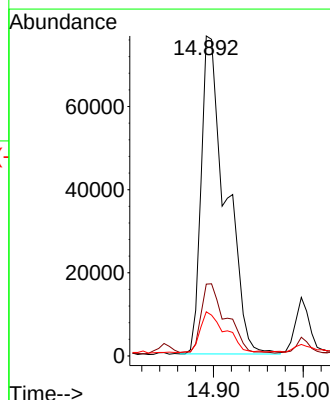
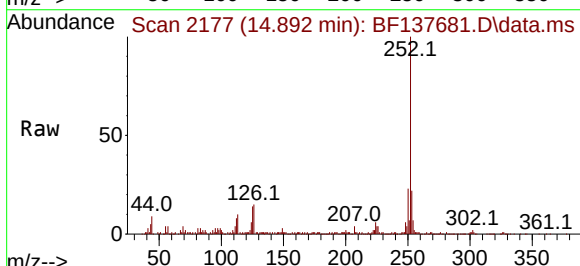
Tgt Ion:252 Resp: 146105

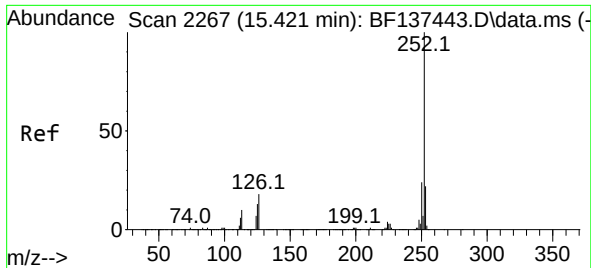
Ion Ratio Lower Upper

252 100

253 22.5 17.3 25.9

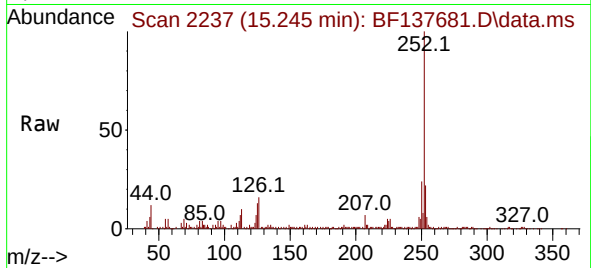
125 13.8 9.6 14.4





#90
 Benzo(a)pyrene
 Concen: 3.176 ng
 RT: 15.245 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF137681.D
 Acq: 22 Mar 2024 14:56

Instrument :
 BNA_F
 ClientSampleId :
 72-11933



Tgt Ion:252 Resp: 68889
 Ion Ratio Lower Upper
 252 100
 253 22.3 17.4 26.2
 125 12.6 10.4 15.6

