

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101123\
 Data File : BF135716.D
 Acq On : 11 Oct 2023 16:42
 Operator : CG\JU
 Sample : 04656-11
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-103S

Quant Time: Oct 12 00:48:45 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 02:43:17 2023
 Response via : Initial Calibration

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

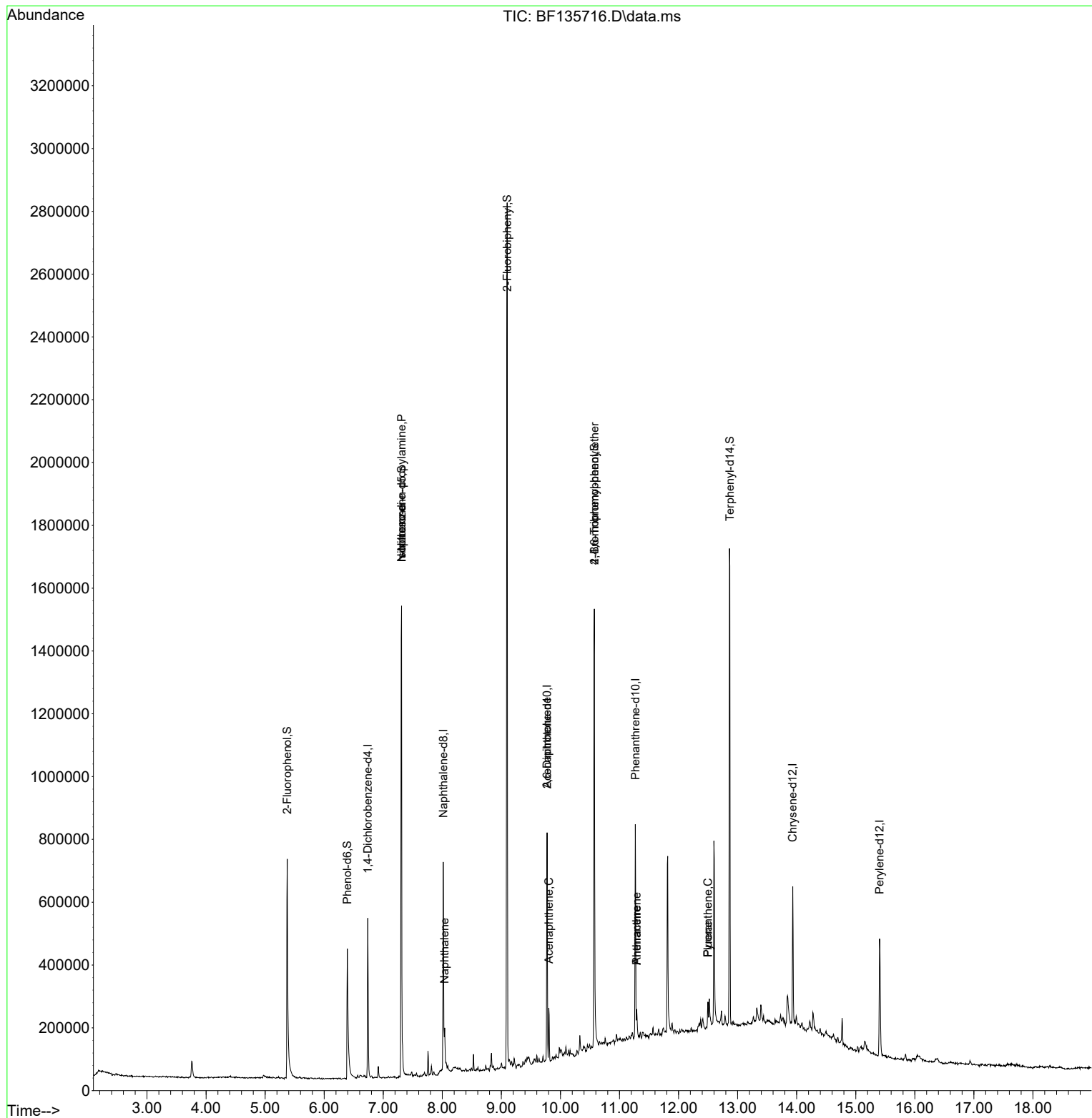
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	72262	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	271092	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	135558	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	237020	20.000	ng	0.00
76) Chrysene-d12	13.933	240	146441	20.000	ng	0.00
86) Perylene-d12	15.404	264	186931	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	249349	56.123	ng	0.00
7) Phenol-d6	6.392	99	191969	33.980	ng	0.00
23) Nitrobenzene-d5	7.310	82	478301	95.856	ng	0.00
42) 2,4,6-Tribromophenol	10.575	330	196636	145.968	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	872816	97.142	ng	0.00
79) Terphenyl-d14	12.868	244	576705	61.049	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.310	70	66566	19.023	ng	# 78
25) Isophorone	7.310	82	478301	52.202	ng	# 65
31) Naphthalene	8.039	128	50885	3.863	ng	99
51) 2,6-Dinitrotoluene	9.775	165	18825	9.376	ng	# 18
52) Acenaphthene	9.804	154	35719	4.813	ng	99
67) 4-Bromophenyl-phenylether	10.575	248	12596	5.343	ng	# 1
71) Phenanthrene	11.292	178	23417	2.089	ng	98
72) Anthracene	11.292	178	23417	2.032	ng	98
75) Fluoranthene	12.498	202	28186	2.413	ng	96
78) Pyrene	12.498	202	28186	2.022	ng	97

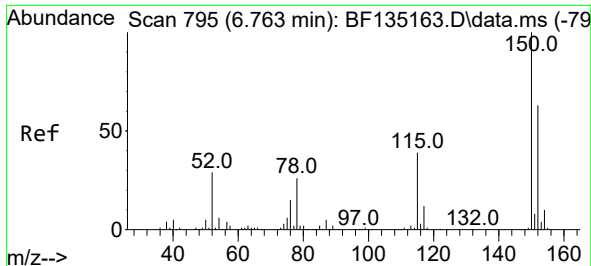
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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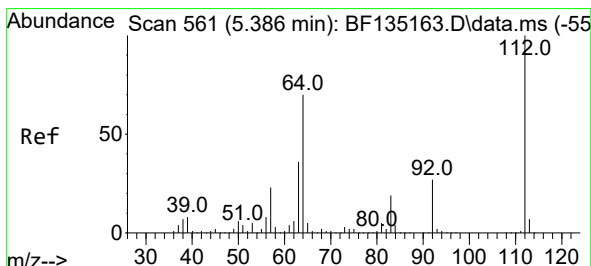
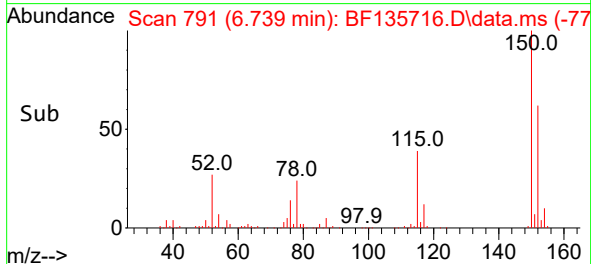
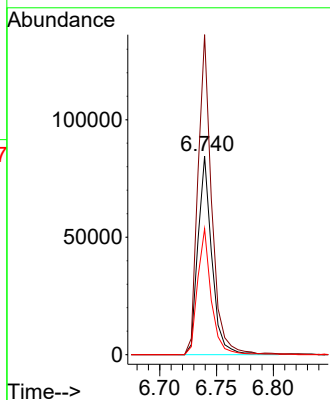
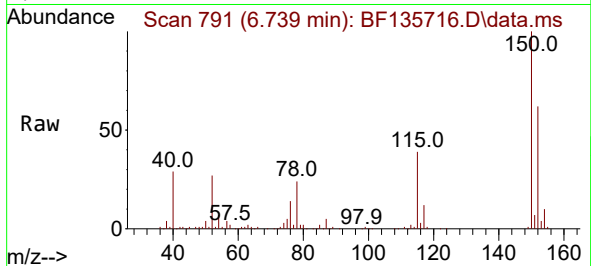




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135716.D
Acq: 11 Oct 2023 16:42

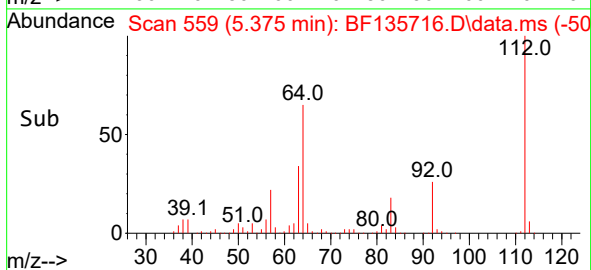
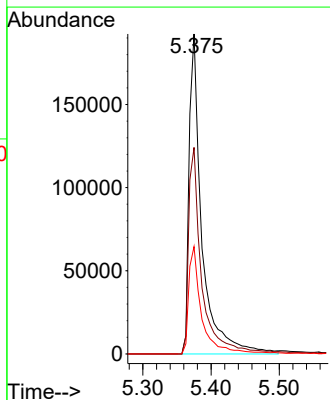
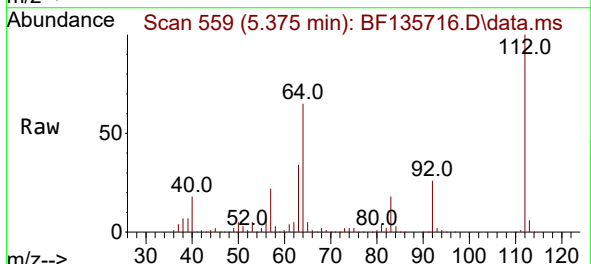
Instrument :
BNA_F
ClientSampleId :
MW-103S

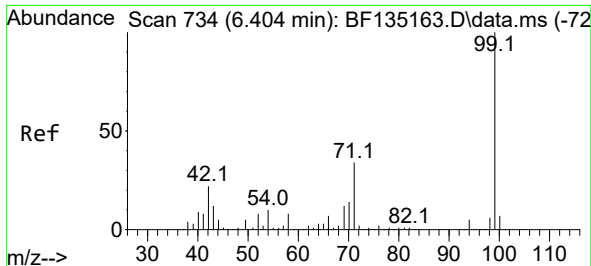
Tgt Ion:152 Resp: 72262
Ion Ratio Lower Upper
152 100
150 161.1 127.8 191.6
115 63.4 49.8 74.8



#5
2-Fluorophenol
Concen: 56.123 ng
RT: 5.375 min Scan# 559
Delta R.T. 0.006 min
Lab File: BF135716.D
Acq: 11 Oct 2023 16:42

Tgt Ion:112 Resp: 249349
Ion Ratio Lower Upper
112 100
64 64.5 55.9 83.9
63 33.5 29.0 43.6

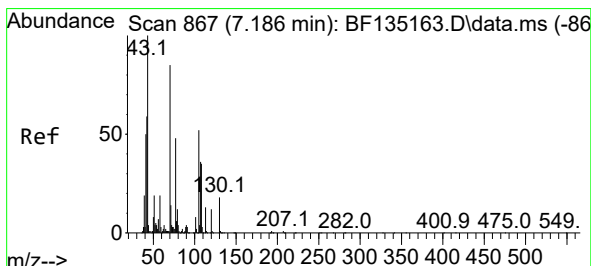
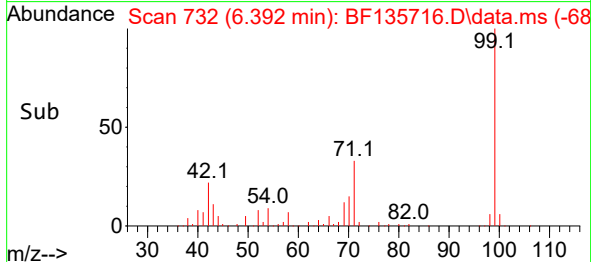
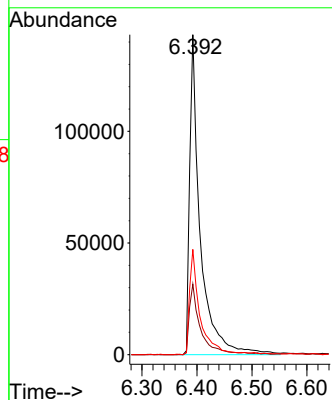
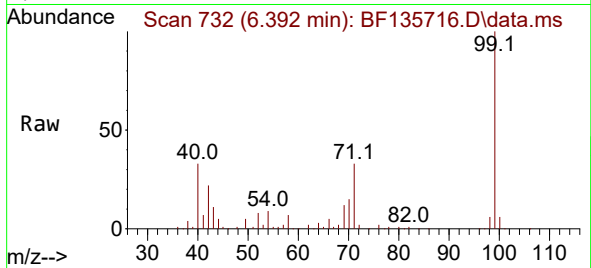




#7
Phenol-d6
Concen: 33.980 ng
RT: 6.392 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135716.D
Acq: 11 Oct 2023 16:42

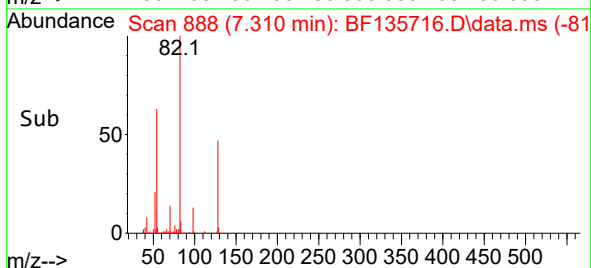
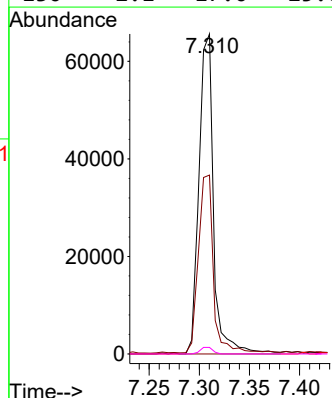
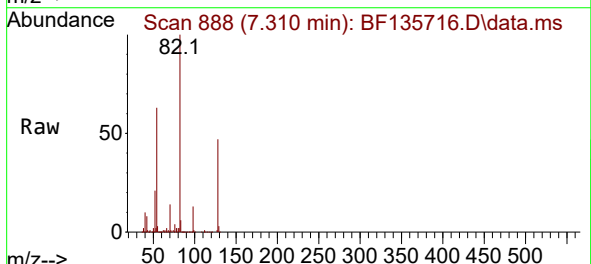
Instrument :
BNA_F
ClientSampleId :
MW-103S

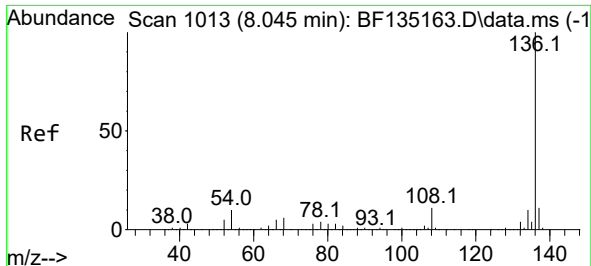
Tgt Ion: 99 Resp: 191969
Ion Ratio Lower Upper
99 100
42 22.1 17.9 26.9
71 32.9 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 19.023 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.153 min
Lab File: BF135716.D
Acq: 11 Oct 2023 16:42

Tgt Ion: 70 Resp: 66566
Ion Ratio Lower Upper
70 100
42 55.9 55.4 83.0
101 0.0 7.7 11.5#
130 2.1 17.0 25.6#

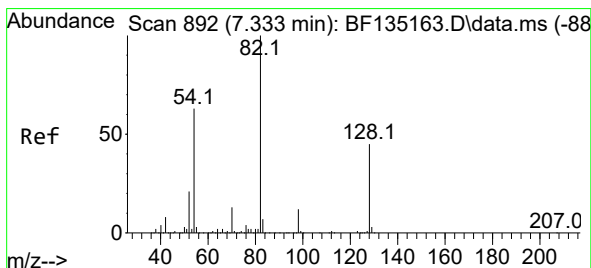
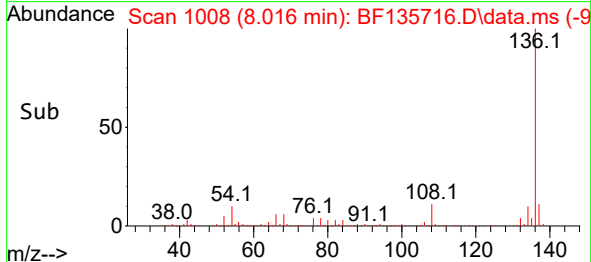
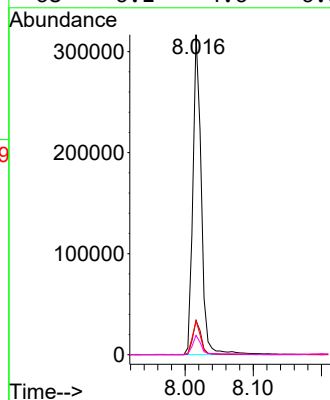
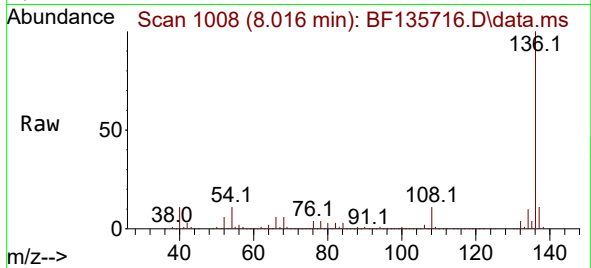




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF135716.D
Acq: 11 Oct 2023 16:42

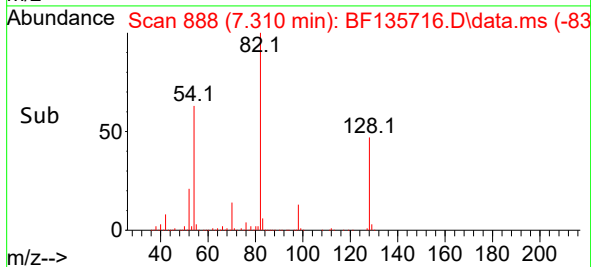
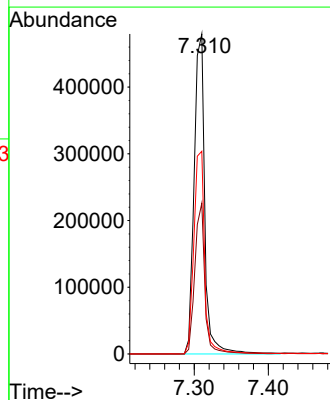
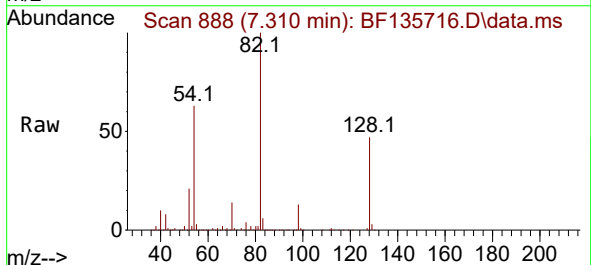
Instrument :
BNA_F
ClientSampleId :
MW-103S

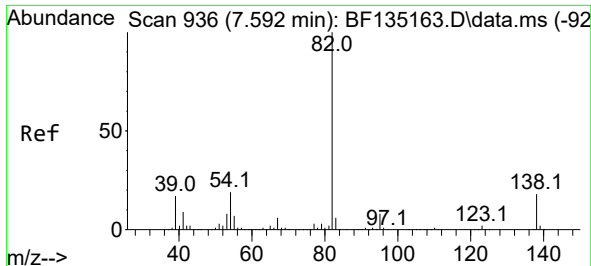
Tgt Ion:136 Resp: 271092
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 10.6 7.7 11.5
68 6.1 4.6 6.8



#23
Nitrobenzene-d5
Concen: 95.856 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.000 min
Lab File: BF135716.D
Acq: 11 Oct 2023 16:42

Tgt Ion: 82 Resp: 478301
Ion Ratio Lower Upper
82 100
128 47.1 35.8 53.6
54 63.3 50.6 76.0

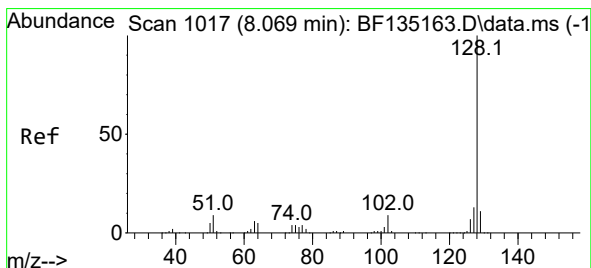
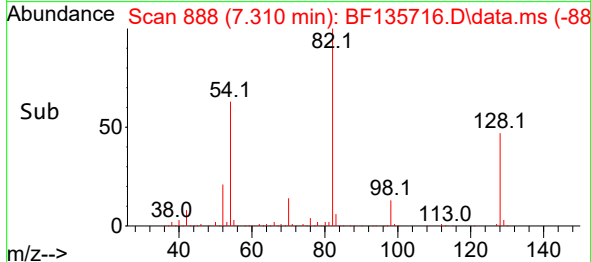
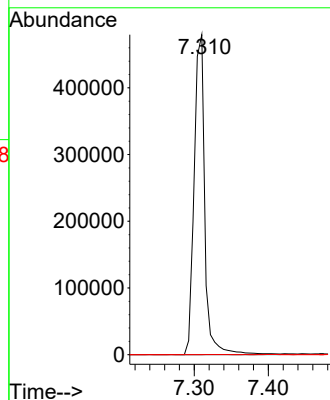
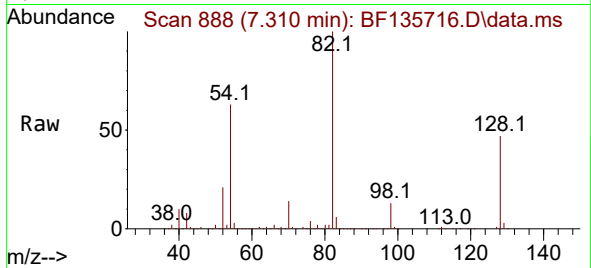




#25
Isophorone
Concen: 52.202 ng
RT: 7.310 min Scan# 81
Delta R.T. -0.253 min
Lab File: BF135716.D
Acq: 11 Oct 2023 16:42

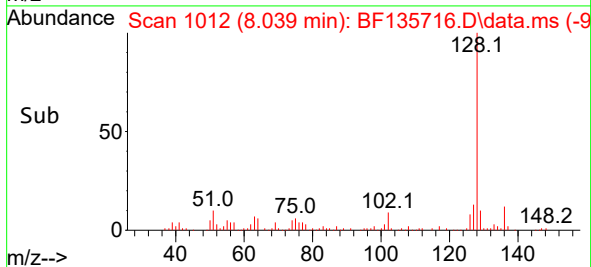
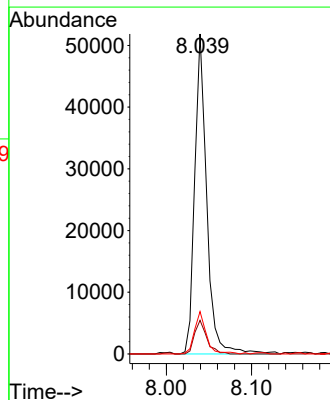
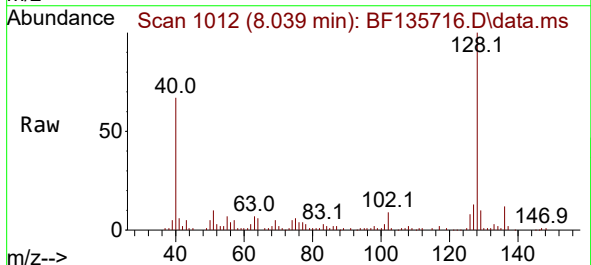
Instrument :
BNA_F
ClientSampleId :
MW-103S

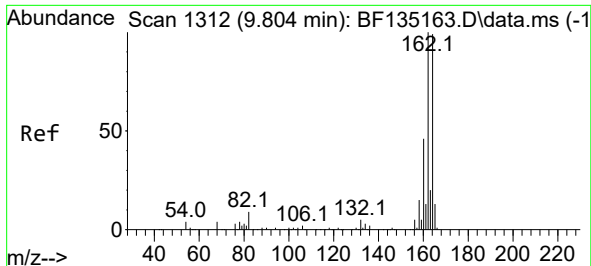
Tgt Ion: 82 Resp: 478301
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#31
Naphthalene
Concen: 3.863 ng
RT: 8.039 min Scan# 1012
Delta R.T. 0.000 min
Lab File: BF135716.D
Acq: 11 Oct 2023 16:42

Tgt Ion:128 Resp: 50885
Ion Ratio Lower Upper
128 100
129 10.5 8.7 13.1
127 13.3 10.7 16.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.775 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135716.D

Acq: 11 Oct 2023 16:42

Instrument :

BNA_F

ClientSampleId :

MW-103S

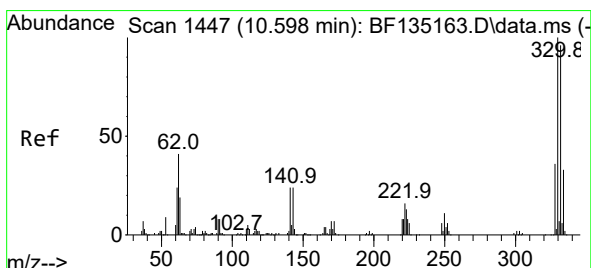
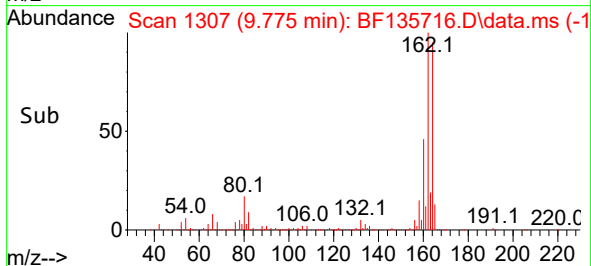
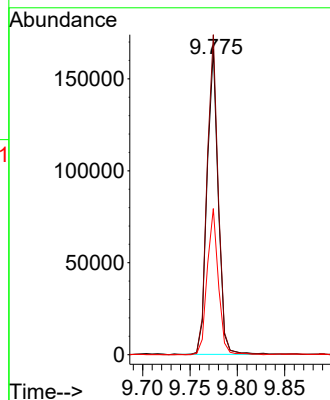
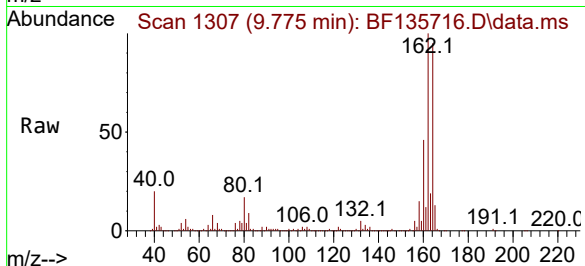
Tgt Ion:164 Resp: 135558

Ion Ratio Lower Upper

164 100

162 104.8 81.0 121.4

160 47.9 37.0 55.4



#42

2,4,6-Tribromophenol

Concen: 145.968 ng

RT: 10.575 min Scan# 1443

Delta R.T. 0.000 min

Lab File: BF135716.D

Acq: 11 Oct 2023 16:42

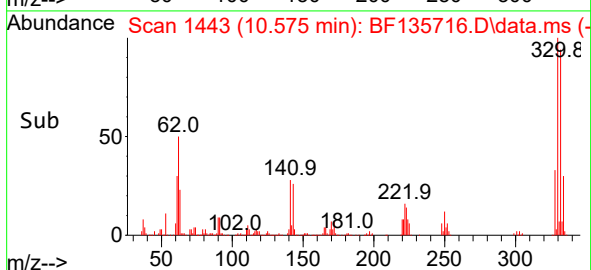
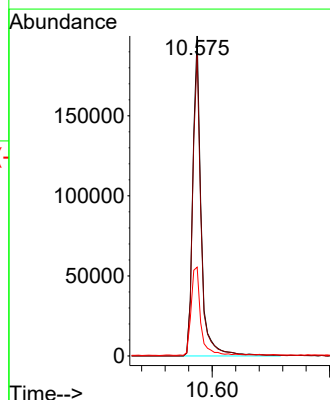
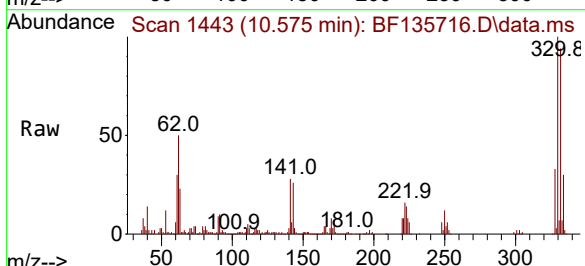
Tgt Ion:330 Resp: 196636

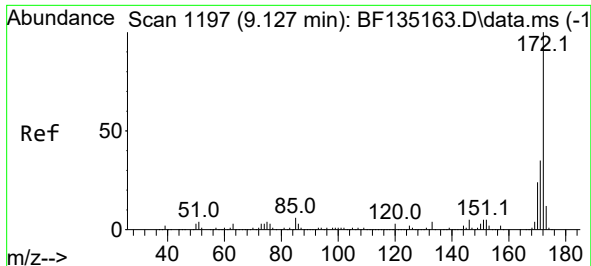
Ion Ratio Lower Upper

330 100

332 95.5 77.3 115.9

141 31.8 25.8 38.8





#45

2-Fluorobiphenyl

Concen: 97.142 ng

RT: 9.098 min Scan# 1197

Delta R.T. 0.000 min

Lab File: BF135716.D

Acq: 11 Oct 2023 16:42

Instrument :

BNA_F

ClientSampleId :

MW-103S

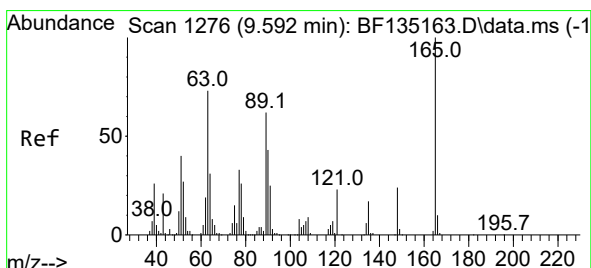
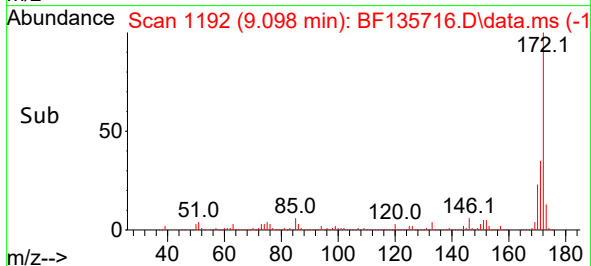
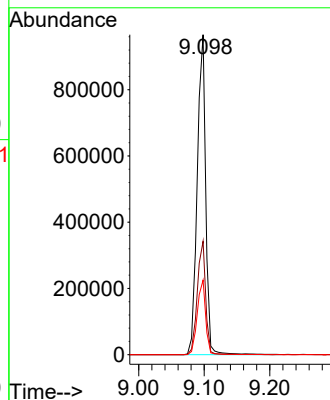
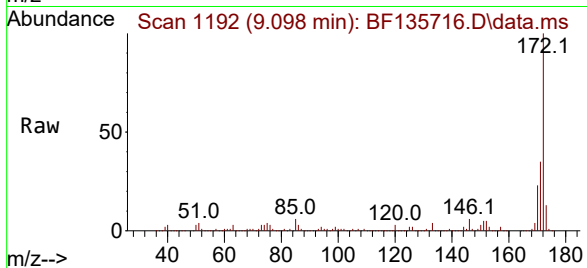
Tgt Ion:172 Resp: 872816

Ion Ratio Lower Upper

172 100

171 35.4 28.4 42.6

170 23.3 19.0 28.4



#51

2,6-Dinitrotoluene

Concen: 9.376 ng

RT: 9.775 min Scan# 1307

Delta R.T. 0.194 min

Lab File: BF135716.D

Acq: 11 Oct 2023 16:42

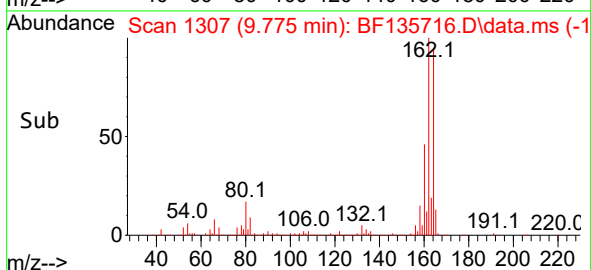
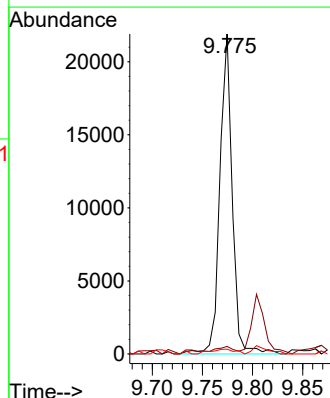
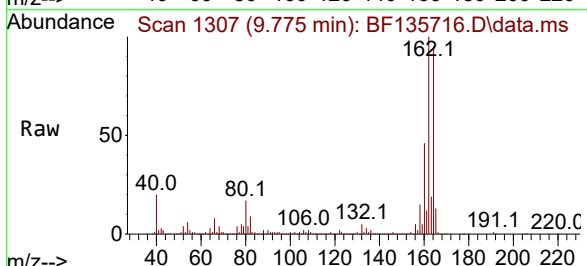
Tgt Ion:165 Resp: 18825

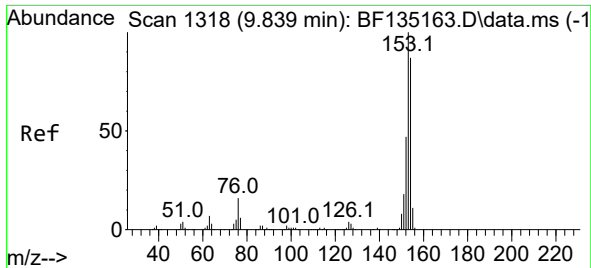
Ion Ratio Lower Upper

165 100

63 2.4 59.4 89.2#

89 1.5 49.8 74.8#

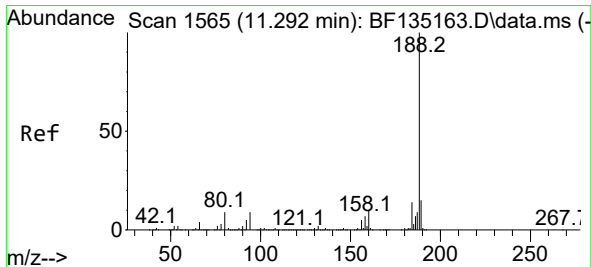
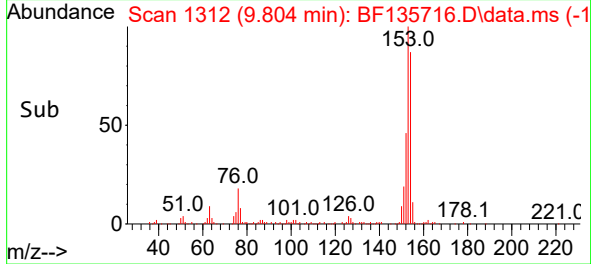
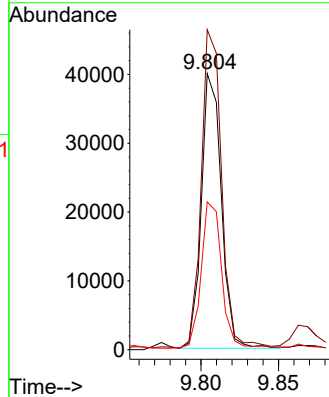
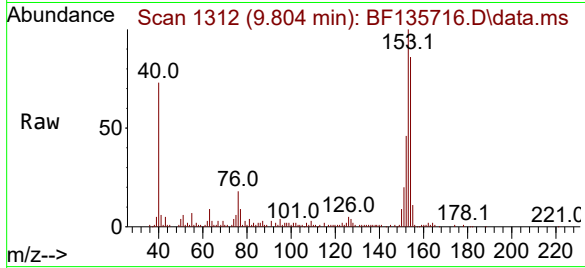




#52
Acenaphthene
Concen: 4.813 ng
RT: 9.804 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135716.D
Acq: 11 Oct 2023 16:42

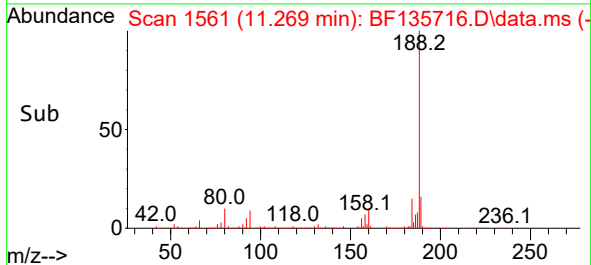
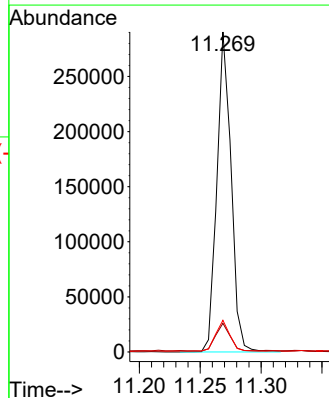
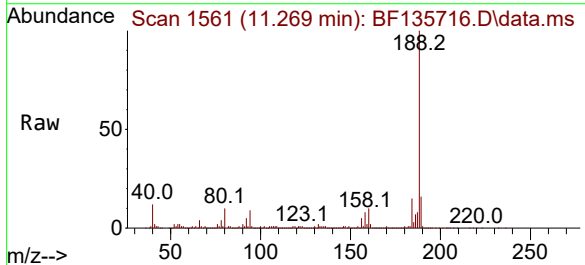
Instrument :
BNA_F
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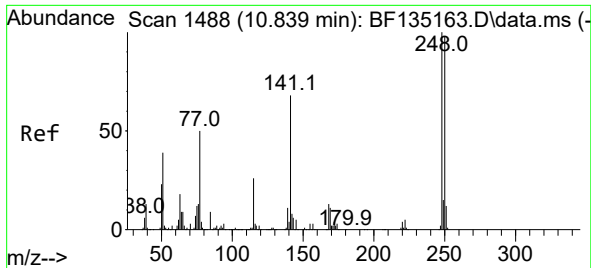
Tgt Ion:154 Resp: 35719
Ion Ratio Lower Upper
154 100
153 115.8 92.1 138.1
152 53.5 43.1 64.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.006 min
Lab File: BF135716.D
Acq: 11 Oct 2023 16:42

Tgt Ion:188 Resp: 237020
Ion Ratio Lower Upper
188 100
94 8.9 7.0 10.6
80 9.9 7.5 11.3

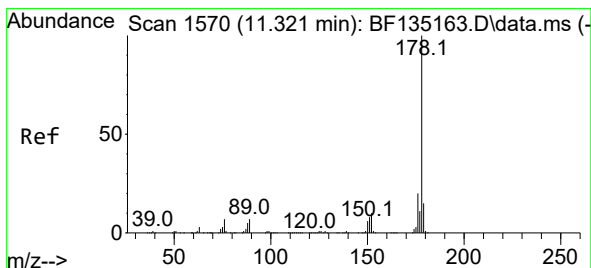
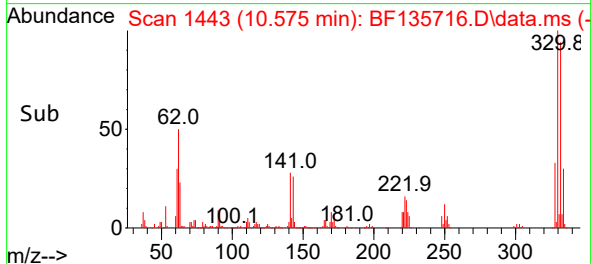
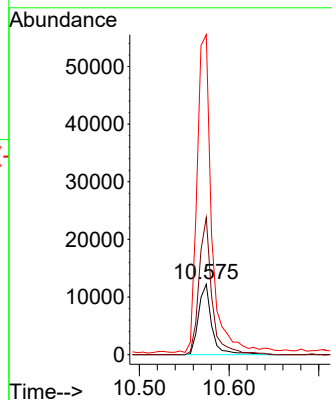
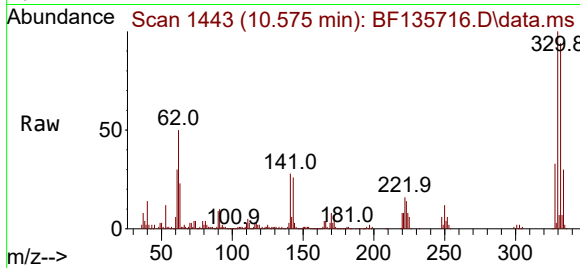




#67
4-Bromophenyl-phenylether
Concen: 5.343 ng
RT: 10.575 min Scan# 1488
Delta R.T. -0.241 min
Lab File: BF135716.D
Acq: 11 Oct 2023 16:42

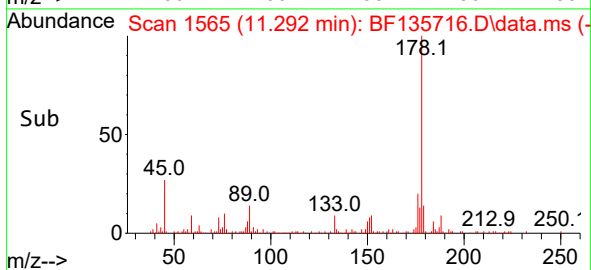
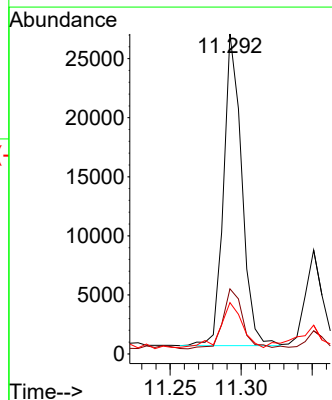
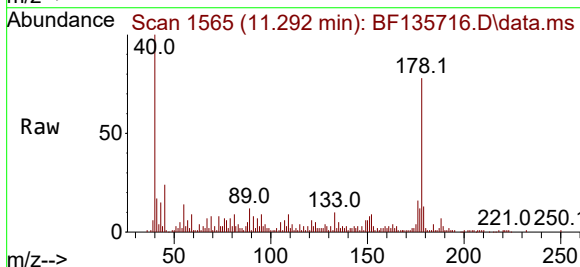
Instrument :
BNA_F
ClientSampleId :
MW-103S

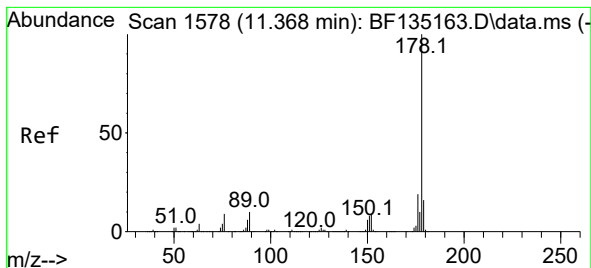
Tgt Ion:248 Resp: 12596
Ion Ratio Lower Upper
248 100
250 194.7 78.6 117.8#
141 454.5 54.2 81.2#



#71
Phenanthrene
Concen: 2.089 ng
RT: 11.292 min Scan# 1565
Delta R.T. -0.006 min
Lab File: BF135716.D
Acq: 11 Oct 2023 16:42

Tgt Ion:178 Resp: 23417
Ion Ratio Lower Upper
178 100
176 20.4 15.6 23.4
179 16.0 12.0 18.0





#72

Anthracene

Concen: 2.032 ng

RT: 11.292 min Scan# 1

Delta R.T. -0.059 min

Lab File: BF135716.D

Acq: 11 Oct 2023 16:42

Instrument :

BNA_F

ClientSampleId :

MW-103S

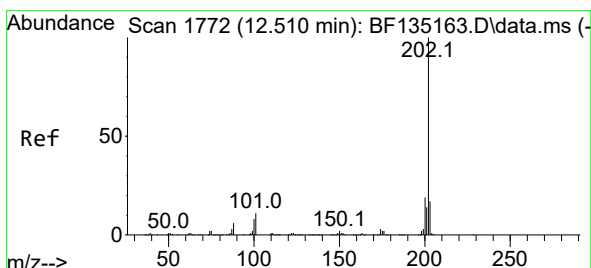
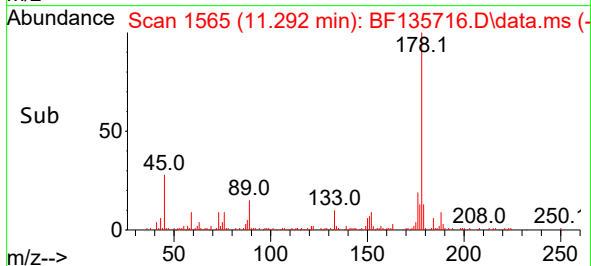
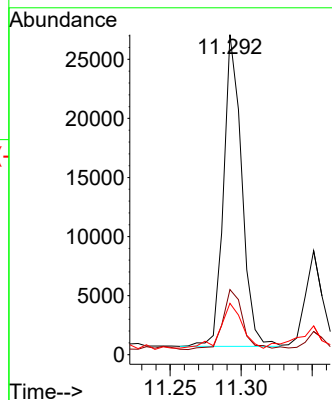
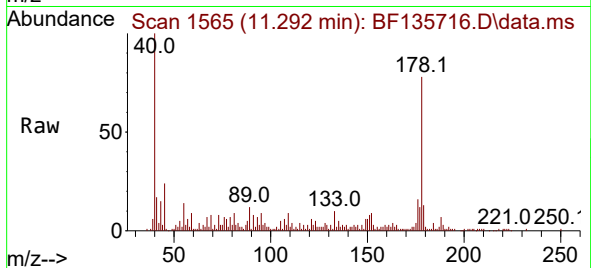
Tgt Ion:178 Resp: 23417

Ion Ratio Lower Upper

178 100

176 20.4 15.4 23.2

179 16.0 12.6 19.0



#75

Fluoranthene

Concen: 2.413 ng

RT: 12.498 min Scan# 1770

Delta R.T. 0.000 min

Lab File: BF135716.D

Acq: 11 Oct 2023 16:42

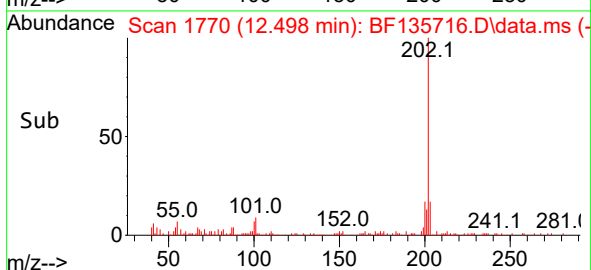
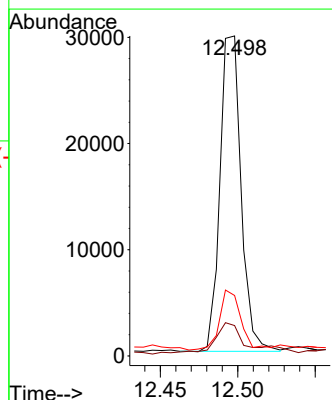
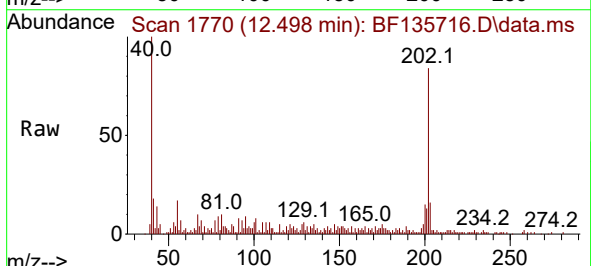
Tgt Ion:202 Resp: 28186

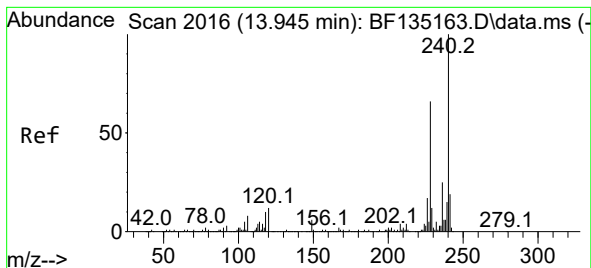
Ion Ratio Lower Upper

202 100

101 9.5 0.0 31.3

203 18.9 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.933 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135716.D

Acq: 11 Oct 2023 16:42

Instrument :

BNA_F

ClientSampleId :

MW-103S

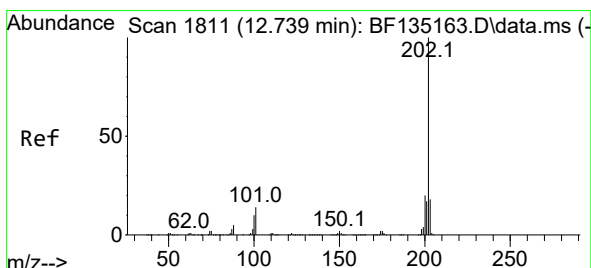
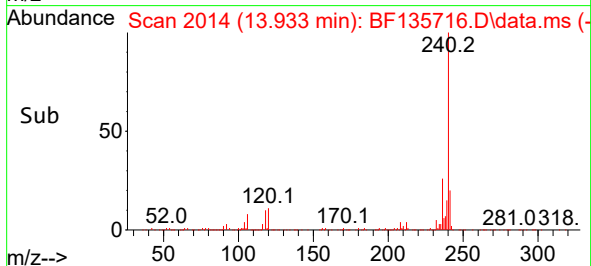
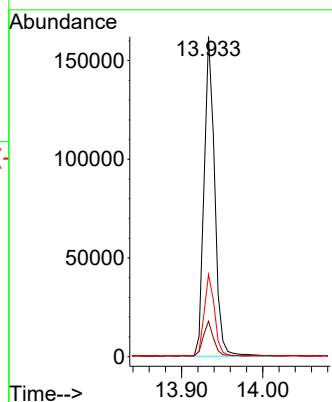
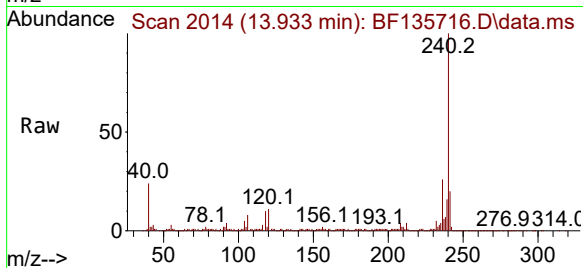
Tgt Ion:240 Resp: 146441

Ion Ratio Lower Upper

240 100

120 11.1 9.4 14.2

236 25.7 19.8 29.8



#78

Pyrene

Concen: 2.022 ng

RT: 12.498 min Scan# 1770

Delta R.T. -0.229 min

Lab File: BF135716.D

Acq: 11 Oct 2023 16:42

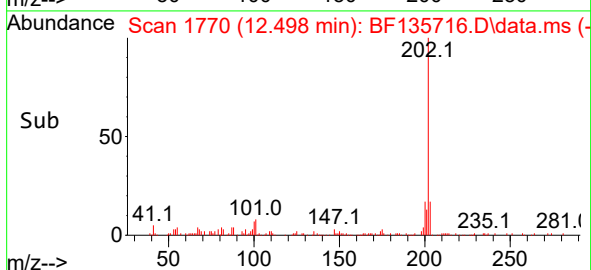
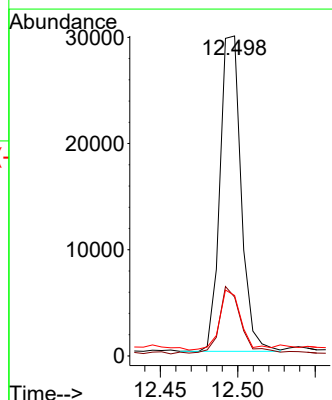
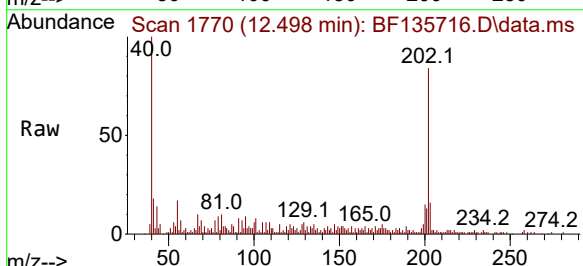
Tgt Ion:202 Resp: 28186

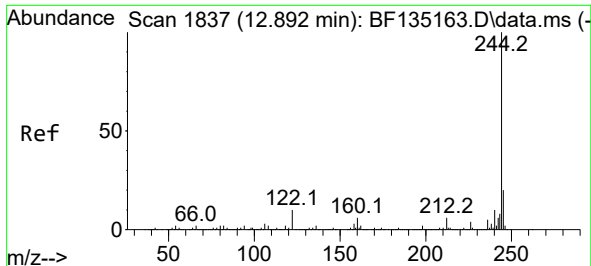
Ion Ratio Lower Upper

202 100

200 18.4 16.2 24.2

203 18.9 14.2 21.4

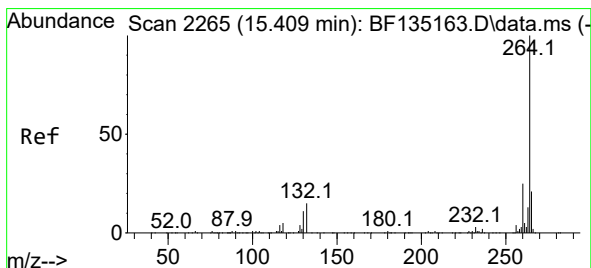
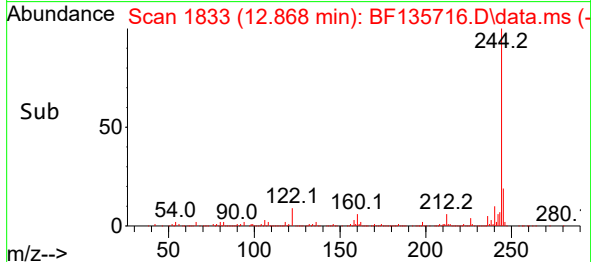
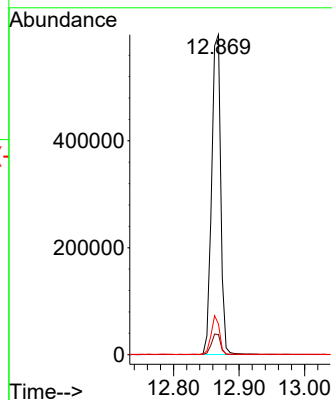
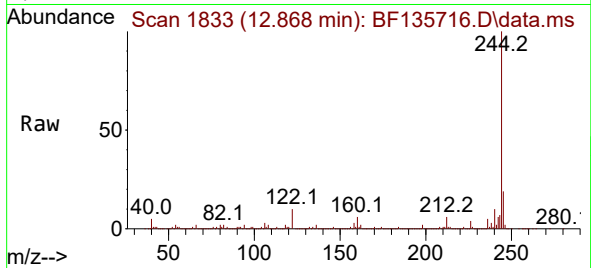




#79
 Terphenyl-d14
 Concen: 61.049 ng
 RT: 12.868 min Scan# 1833
 Delta R.T. 0.000 min
 Lab File: BF135716.D
 Acq: 11 Oct 2023 16:42

Instrument :
 BNA_F
 ClientSampleId :
 MW-103S

Tgt Ion:244 Resp: 576705
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.1 7.7
 122 9.6 7.9 11.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.404 min Scan# 2264
 Delta R.T. 0.000 min
 Lab File: BF135716.D
 Acq: 11 Oct 2023 16:42

Tgt Ion:264 Resp: 186931
 Ion Ratio Lower Upper
 264 100
 260 22.0 19.8 29.6
 265 20.5 17.0 25.4

