

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020824\
 Data File : BF137339.D
 Acq On : 08 Feb 2024 15:55
 Operator : CG\JU
 Sample : P1372-05DL 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CG-MW-17-ch4DL

Quant Time: Feb 08 16:24:36 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 04:56:22 2024
 Response via : Initial Calibration

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

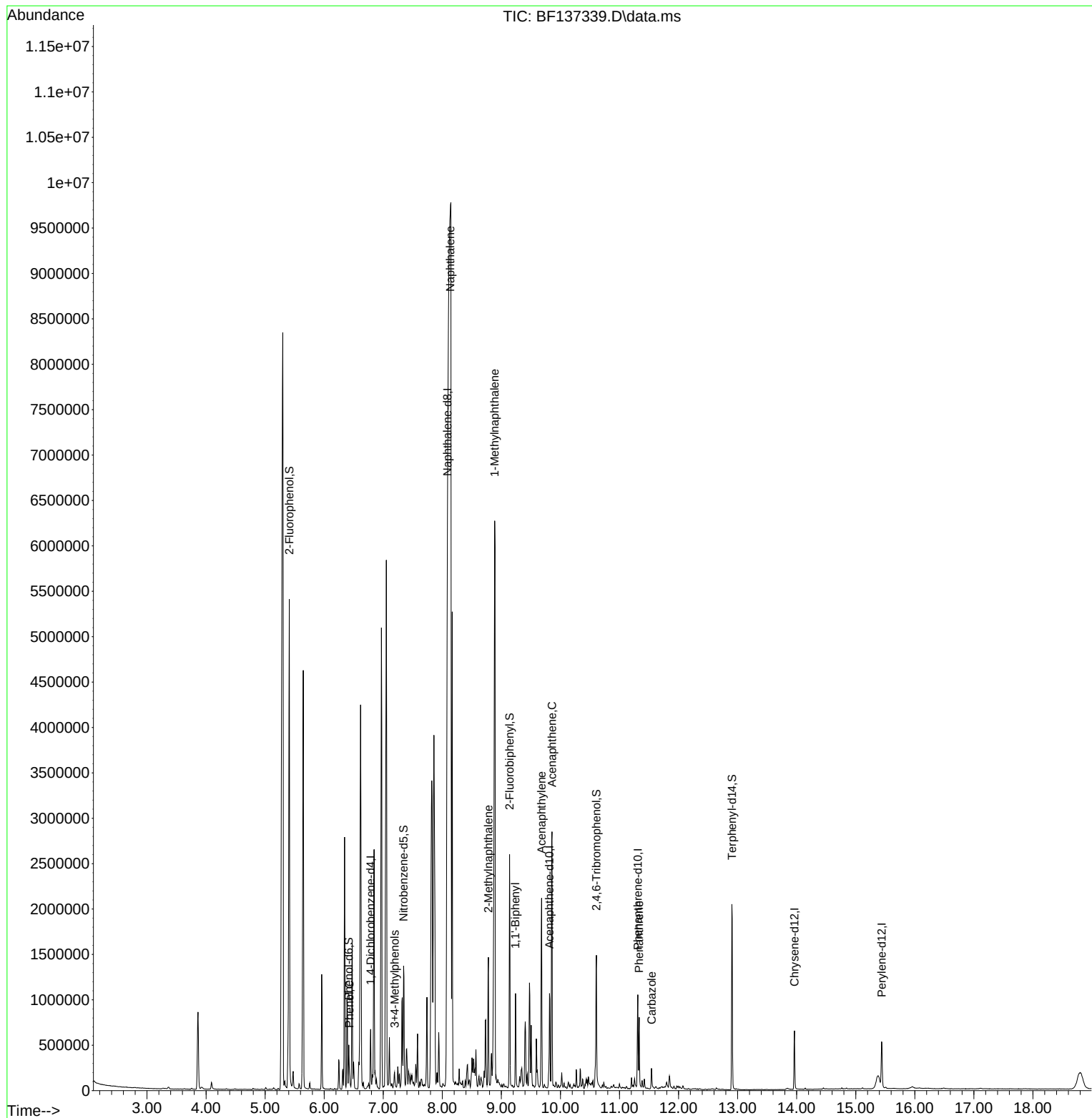
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	100820	20.000	ng	0.00
21) Naphthalene-d8	8.086	136	255255	20.000	ng	# 0.01
39) Acenaphthene-d10	9.816	164	217499	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	384049	20.000	ng	0.00
76) Chrysene-d12	13.963	240	231247	20.000	ng	-0.01
86) Perylene-d12	15.439	264	244966	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	180091	29.475	ng	0.00
7) Phenol-d6	6.416	99	158843	18.217	ng	-0.01
23) Nitrobenzene-d5	7.345	82	428229	75.111	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	174350	70.980	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	759704	48.016	ng	-0.01
79) Terphenyl-d14	12.904	244	782903	46.025	ng	-0.02
Target Compounds						
						Qvalue
10) Phenol	6.428	94	40391	4.150	ng	98
20) 3+4-Methylphenols	7.192	107	52111	7.212	ng	# 56
31) Naphthalene	8.134	128	16654471	1206.897	ng	# 95
37) 2-Methylnaphthalene	8.781	142	274644	29.687	ng	100
38) 1-Methylnaphthalene	8.886	142	2204192	256.517	ng	99
46) 1,1'-Biphenyl	9.239	154	292578	16.907	ng	99
49) Acenaphthylene	9.681	152	728866	35.551	ng	99
52) Acenaphthene	9.857	154	632780	52.515	ng	99
71) Phenanthrene	11.333	178	262765	13.069	ng	99
73) Carbazole	11.545	167	114065	6.513	ng	96

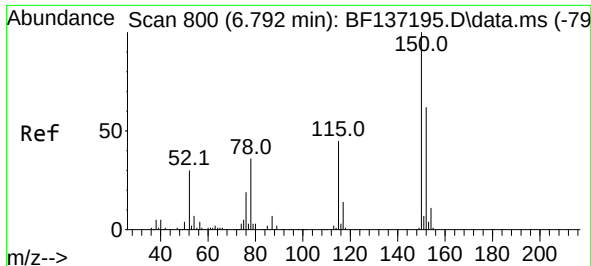
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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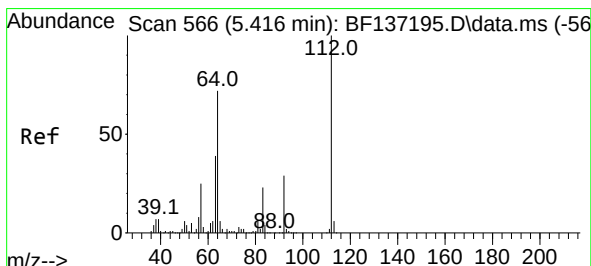
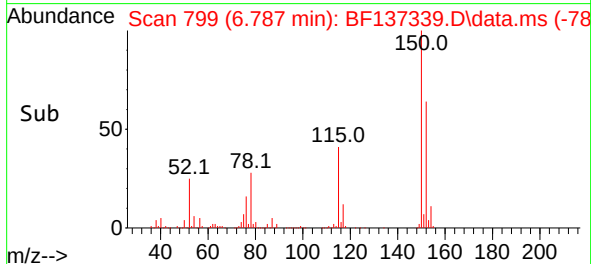
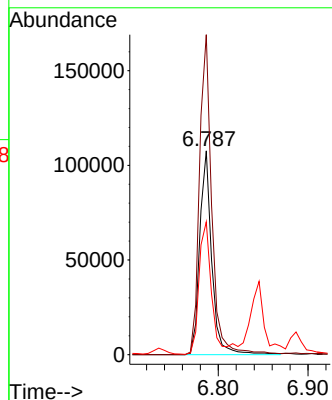
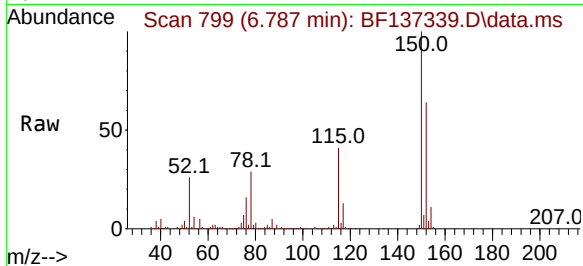




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF137339.D
Acq: 08 Feb 2024 15:55

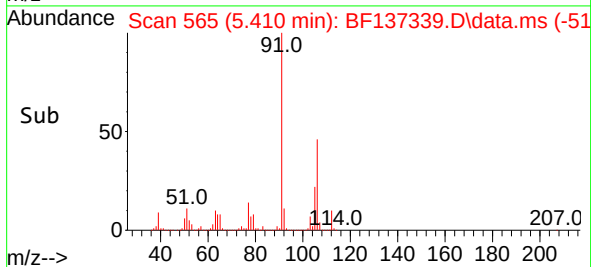
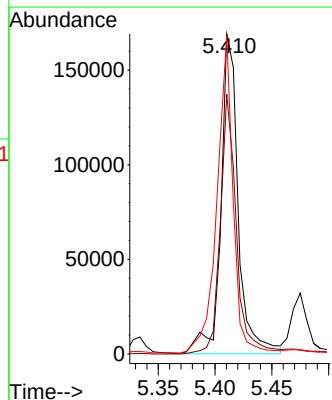
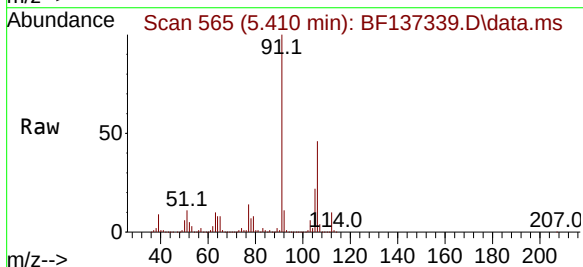
Instrument :
BNA_F
ClientSampleId :
CG-MW-17-ch4DL

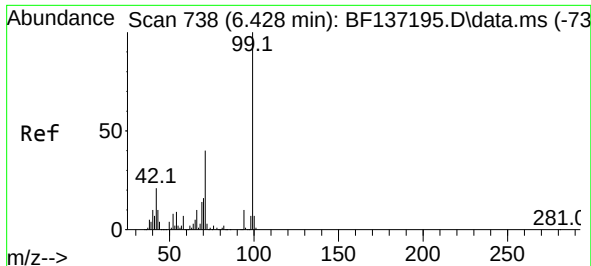
Tgt Ion:152 Resp: 100820
Ion Ratio Lower Upper
152 100
150 156.9 129.8 194.8
115 65.1 58.5 87.7



#5
2-Fluorophenol
Concen: 29.475 ng
RT: 5.410 min Scan# 565
Delta R.T. -0.006 min
Lab File: BF137339.D
Acq: 08 Feb 2024 15:55

Tgt Ion:112 Resp: 180091
Ion Ratio Lower Upper
112 100
64 81.2 57.8 86.6
63 99.5 31.4 47.0#

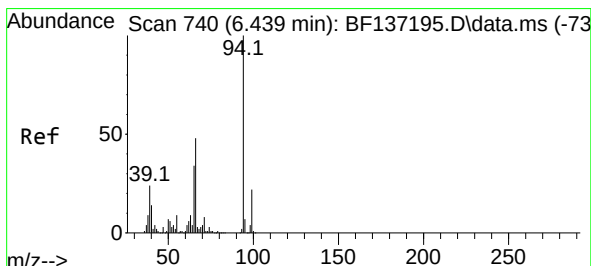
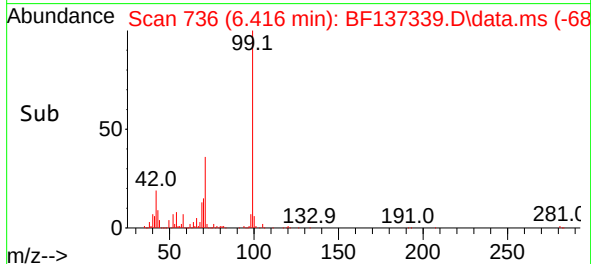
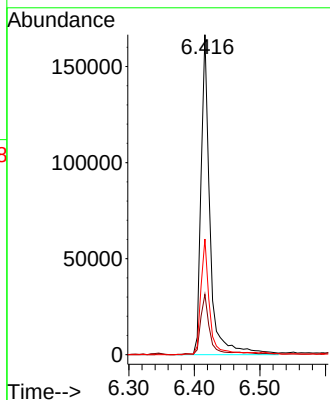
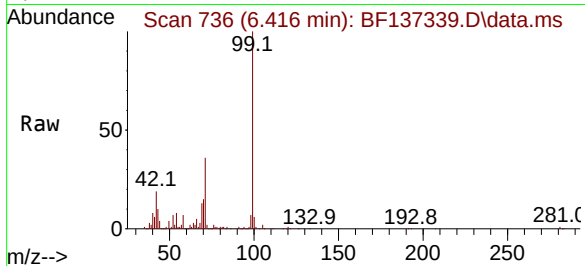




#7
Phenol-d6
Concen: 18.217 ng
RT: 6.416 min Scan# 736
Delta R.T. -0.012 min
Lab File: BF137339.D
Acq: 08 Feb 2024 15:55

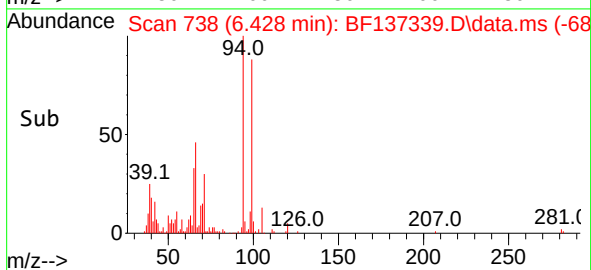
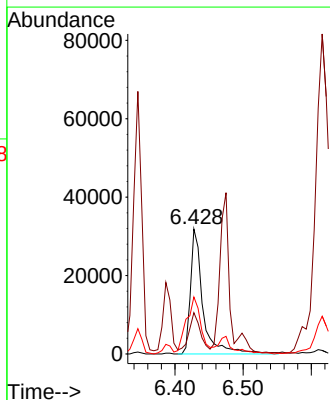
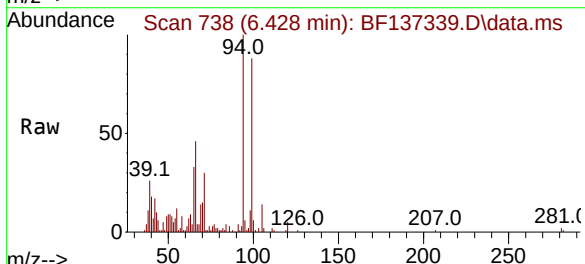
Instrument :
BNA_F
ClientSampleId :
CG-MW-17-ch4DL

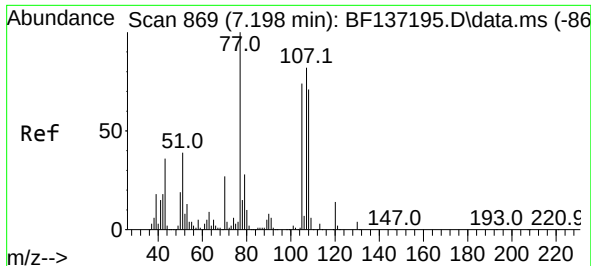
Tgt Ion: 99 Resp: 158843
Ion Ratio Lower Upper
99 100
42 18.8 16.4 24.6
71 36.1 32.4 48.6



#10
Phenol
Concen: 4.150 ng
RT: 6.428 min Scan# 738
Delta R.T. -0.011 min
Lab File: BF137339.D
Acq: 08 Feb 2024 15:55

Tgt Ion: 94 Resp: 40391
Ion Ratio Lower Upper
94 100
65 33.0 13.7 53.7
66 45.6 27.8 67.8





#20

3+4-Methylphenols

Concen: 7.212 ng

RT: 7.192 min Scan# 8

Delta R.T. -0.006 min

Lab File: BF137339.D

Acq: 08 Feb 2024 15:55

Instrument :

BNA_F

ClientSampleId :

CG-MW-17-ch4DL

Tgt Ion:107 Resp: 52111

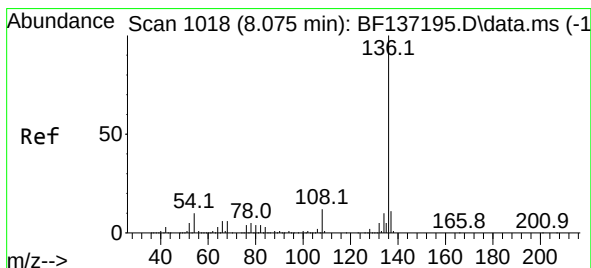
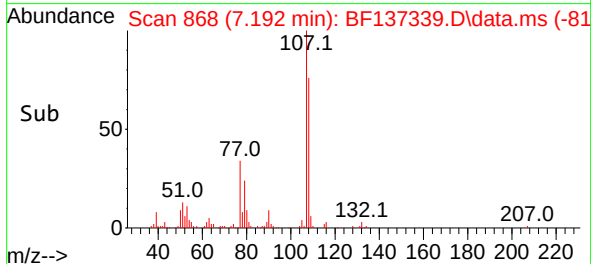
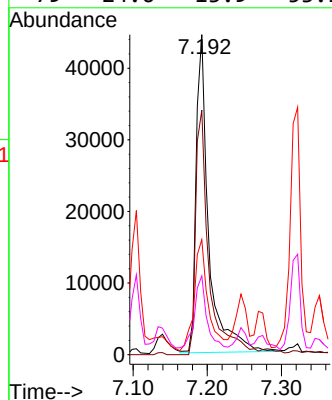
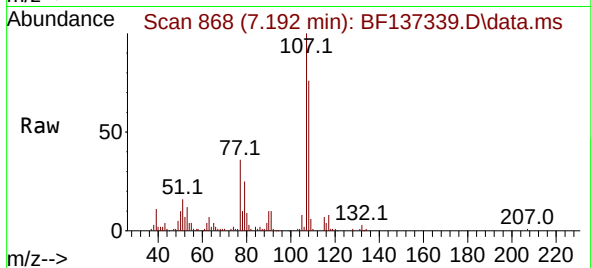
Ion Ratio Lower Upper

107 100

108 76.4 66.3 106.3

77 36.0 101.4 141.4#

79 24.6 13.9 53.9



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.086 min Scan# 1020

Delta R.T. 0.011 min

Lab File: BF137339.D

Acq: 08 Feb 2024 15:55

Tgt Ion:136 Resp: 255255

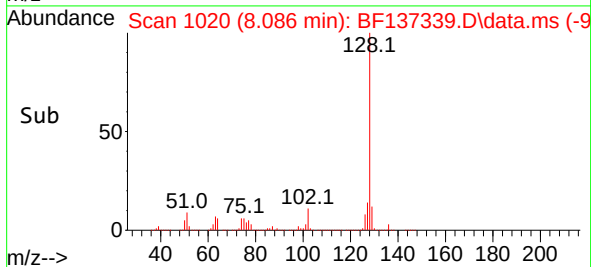
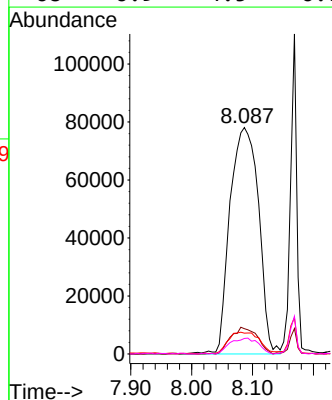
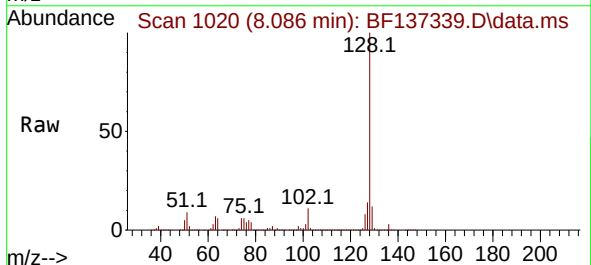
Ion Ratio Lower Upper

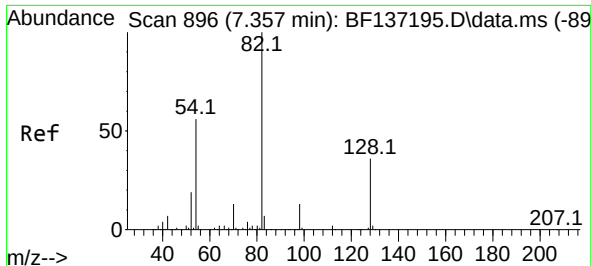
136 100

137 11.2 8.9 13.3

54 9.2 7.8 11.8

68 6.9 4.5 6.7#

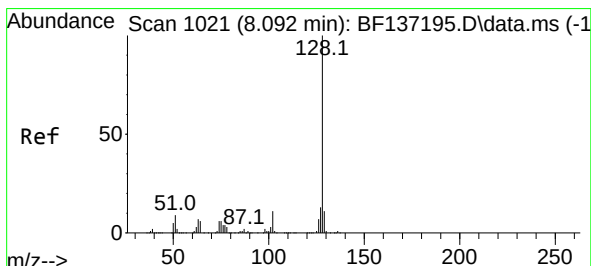
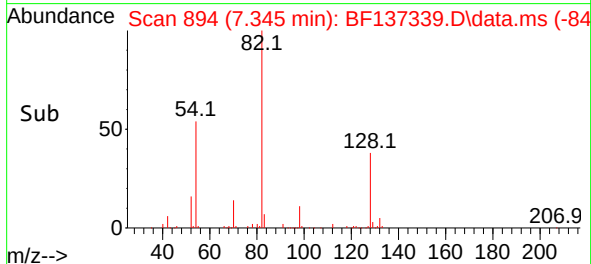
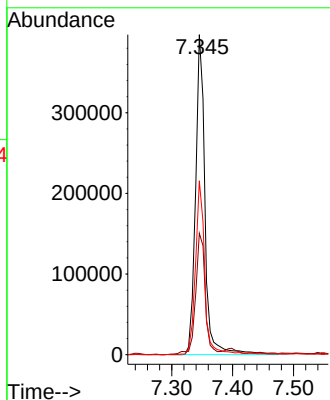
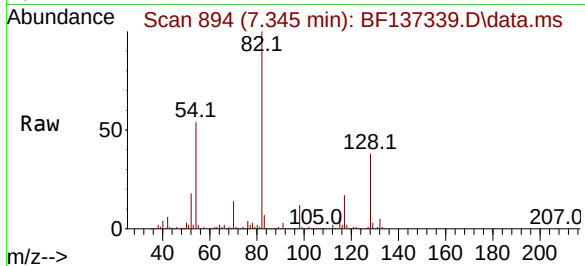




#23
Nitrobenzene-d5
Concen: 75.111 ng
RT: 7.345 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF137339.D
Acq: 08 Feb 2024 15:55

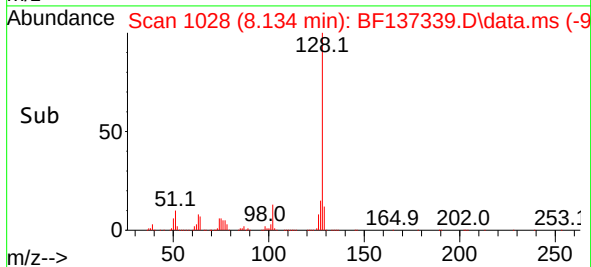
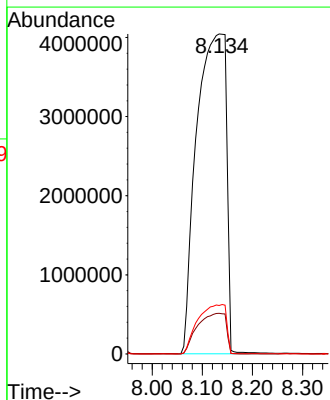
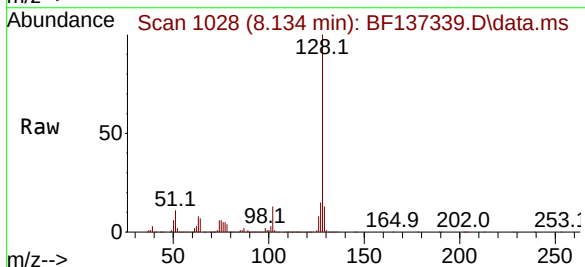
Instrument :
BNA_F
ClientSampleId :
CG-MW-17-ch4DL

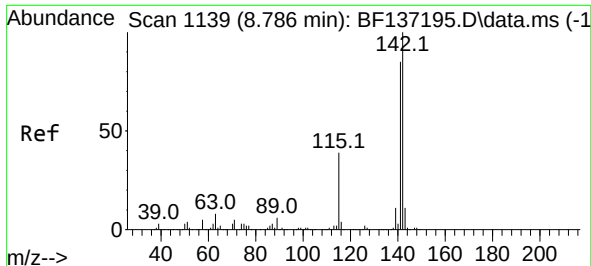
Tgt Ion: 82 Resp: 428229
Ion Ratio Lower Upper
82 100
128 37.9 29.1 43.7
54 54.3 45.0 67.6



#31
Naphthalene
Concen: 1206.897 ng
RT: 8.134 min Scan# 1028
Delta R.T. 0.041 min
Lab File: BF137339.D
Acq: 08 Feb 2024 15:55

Tgt Ion: 128 Resp: 16654471
Ion Ratio Lower Upper
128 100
129 12.7 8.5 12.7#
127 15.2 10.5 15.7

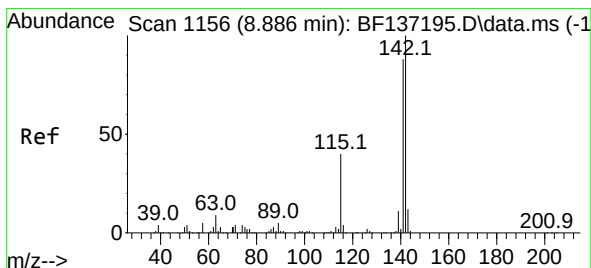
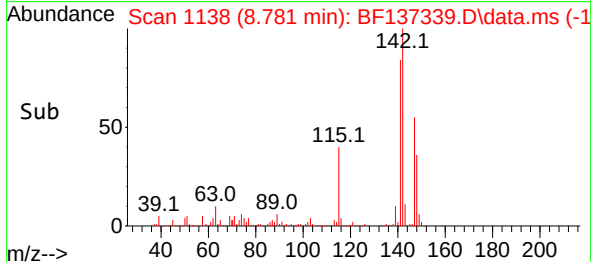
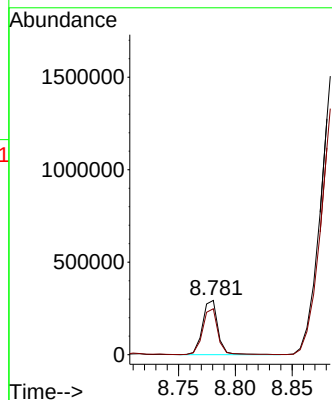
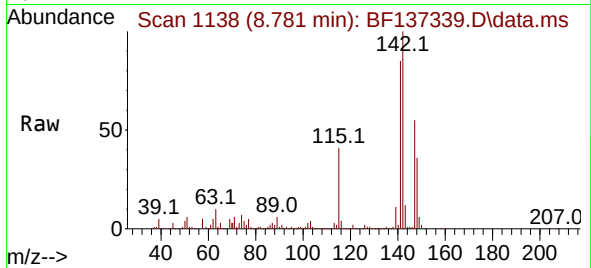




#37
2-Methylnaphthalene
Concen: 29.687 ng
RT: 8.781 min Scan# 1139
Delta R.T. -0.006 min
Lab File: BF137339.D
Acq: 08 Feb 2024 15:55

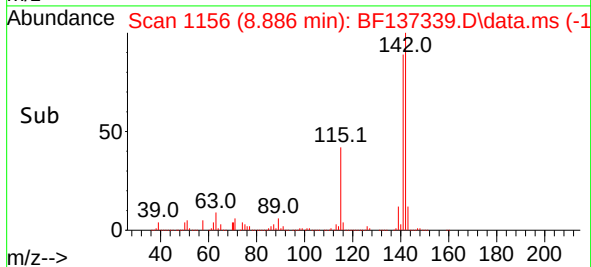
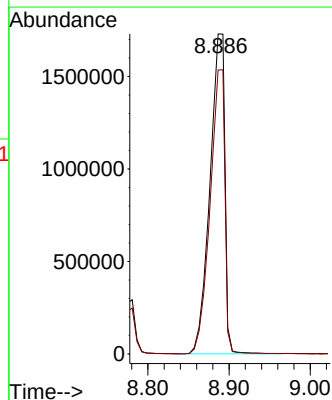
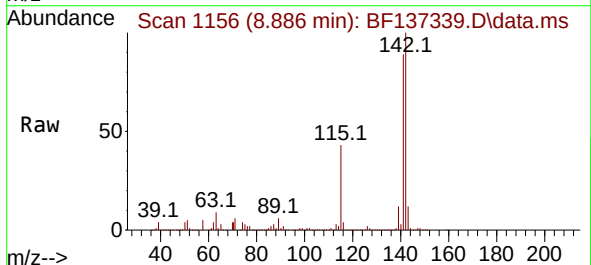
Instrument :
BNA_F
ClientSampleId :
CG-MW-17-ch4DL

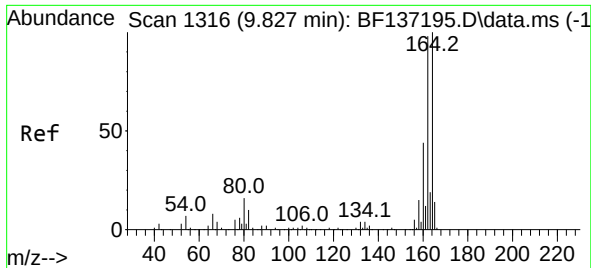
Tgt Ion:142 Resp: 274644
Ion Ratio Lower Upper
142 100
141 84.6 67.8 101.8



#38
1-Methylnaphthalene
Concen: 256.517 ng
RT: 8.886 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF137339.D
Acq: 08 Feb 2024 15:55

Tgt Ion:142 Resp: 2204192
Ion Ratio Lower Upper
142 100
141 88.8 70.6 105.8

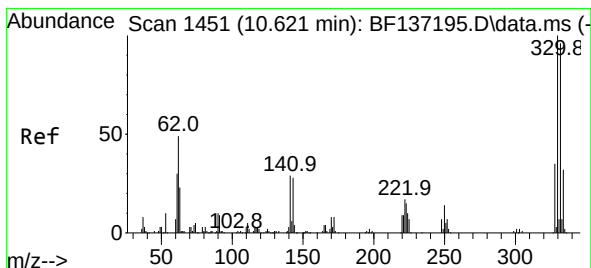
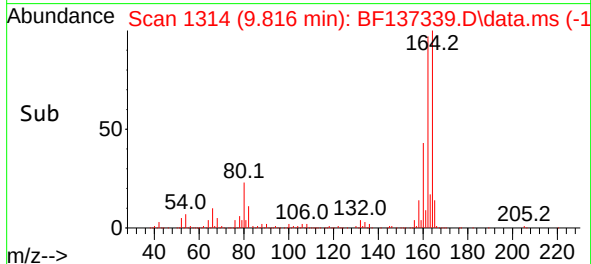
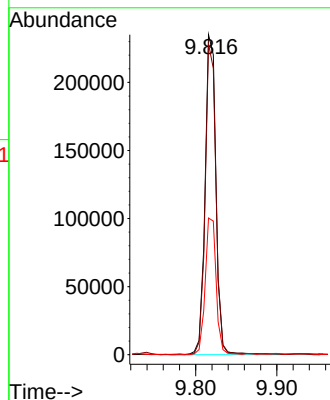
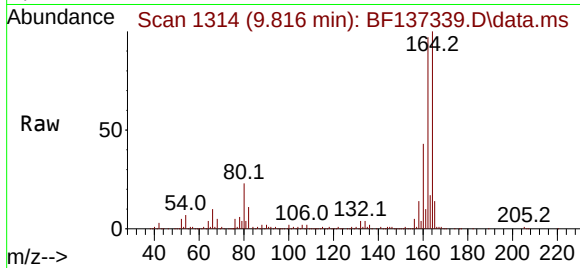




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF137339.D
Acq: 08 Feb 2024 15:55

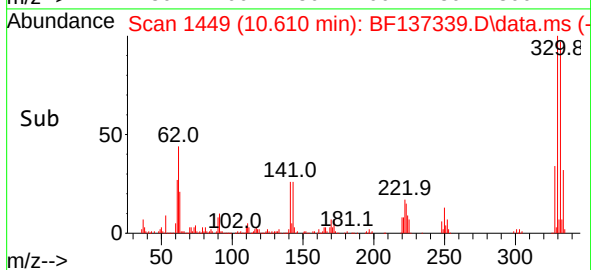
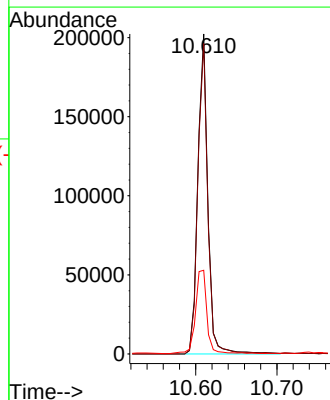
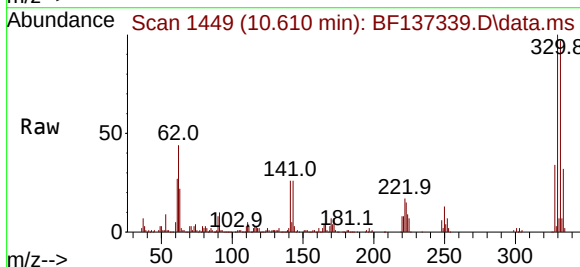
Instrument :
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ClientSampleId :
CG-MW-17-ch4DL

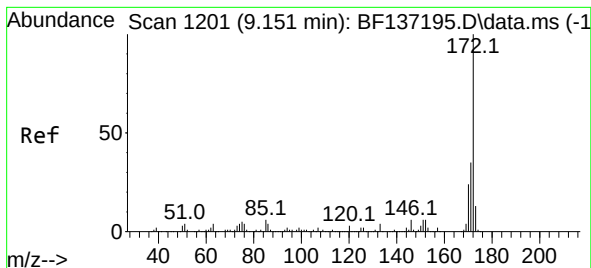
Tgt Ion:164 Resp: 217499
Ion Ratio Lower Upper
164 100
162 97.2 78.3 117.5
160 42.7 35.4 53.2



#42
2,4,6-Tribromophenol
Concen: 70.980 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF137339.D
Acq: 08 Feb 2024 15:55

Tgt Ion:330 Resp: 174350
Ion Ratio Lower Upper
330 100
332 96.7 77.3 115.9
141 29.7 25.2 37.8





#45

2-Fluorobiphenyl

Concen: 48.016 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF137339.D

Acq: 08 Feb 2024 15:55

Instrument :

BNA_F

ClientSampleId :

CG-MW-17-ch4DL

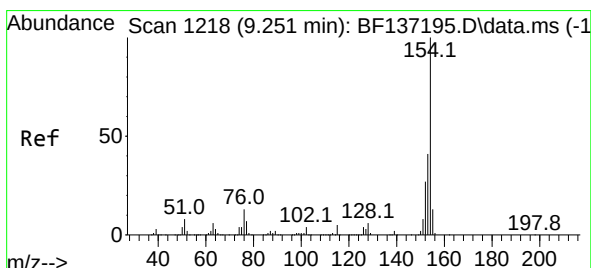
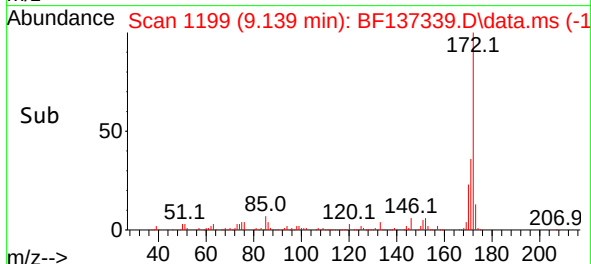
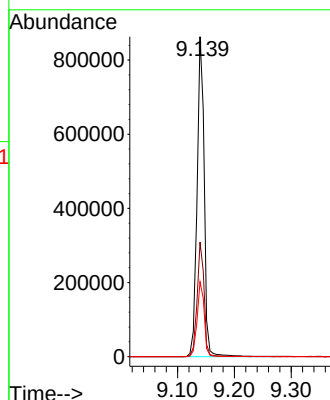
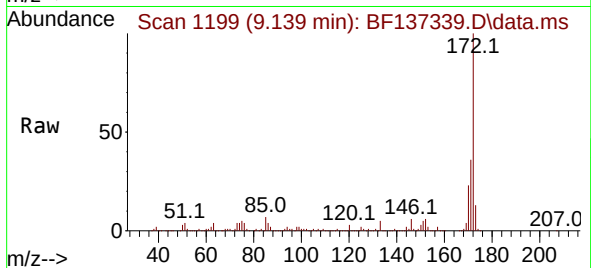
Tgt Ion:172 Resp: 759704

Ion Ratio Lower Upper

172 100

171 35.8 28.3 42.5

170 23.4 19.1 28.7



#46

1,1'-Biphenyl

Concen: 16.907 ng

RT: 9.239 min Scan# 1216

Delta R.T. -0.012 min

Lab File: BF137339.D

Acq: 08 Feb 2024 15:55

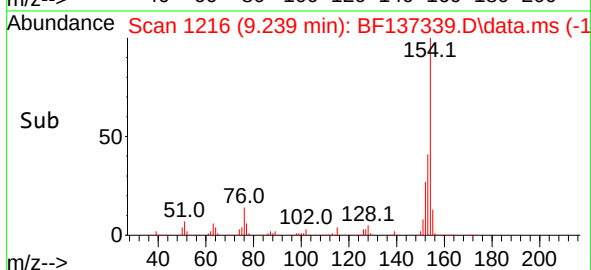
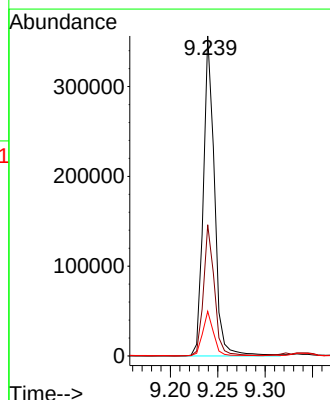
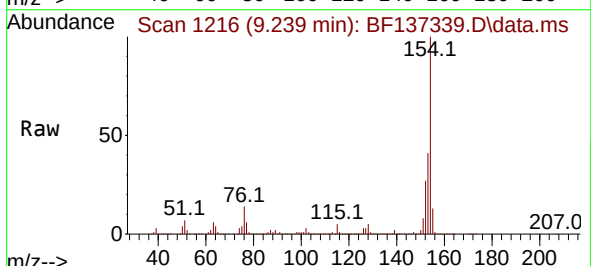
Tgt Ion:154 Resp: 292578

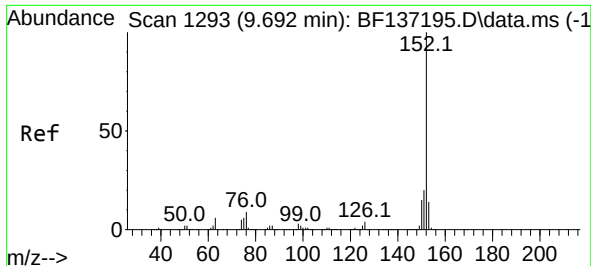
Ion Ratio Lower Upper

154 100

153 41.0 21.2 61.2

76 14.0 0.0 33.0





#49

Acenaphthylene

Concen: 35.551 ng

RT: 9.681 min Scan# 1291

Delta R.T. -0.012 min

Lab File: BF137339.D

Acq: 08 Feb 2024 15:55

Instrument :

BNA_F

ClientSampleId :

CG-MW-17-ch4DL

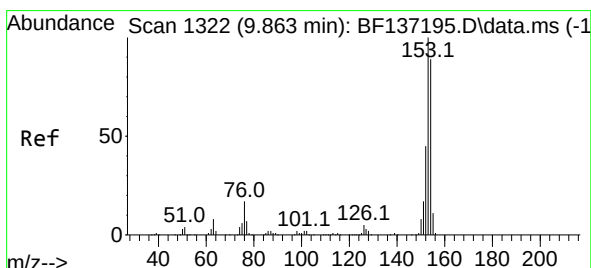
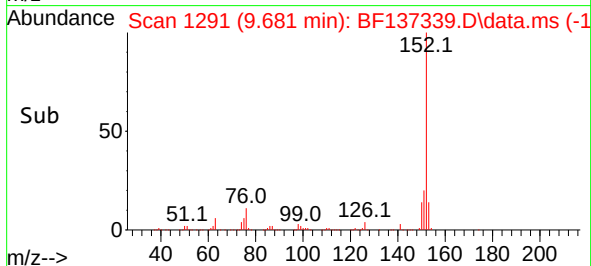
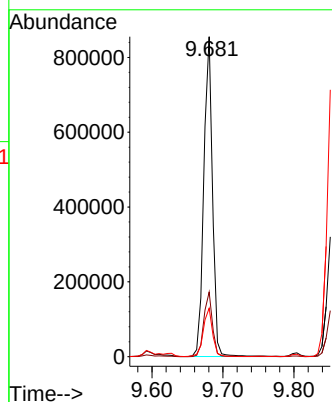
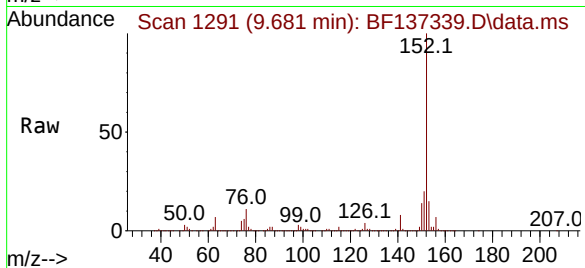
Tgt Ion:152 Resp: 728866

Ion Ratio Lower Upper

152 100

151 20.2 16.3 24.5

153 15.1 11.2 16.8



#52

Acenaphthene

Concen: 52.515 ng

RT: 9.857 min Scan# 1321

Delta R.T. -0.006 min

Lab File: BF137339.D

Acq: 08 Feb 2024 15:55

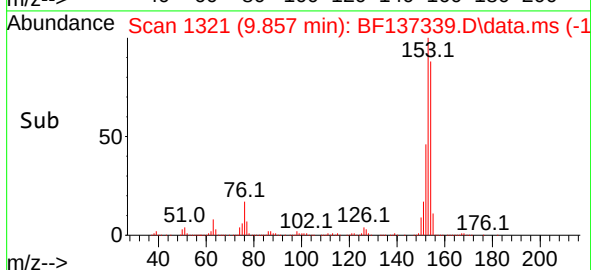
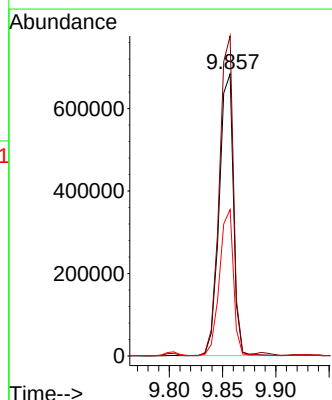
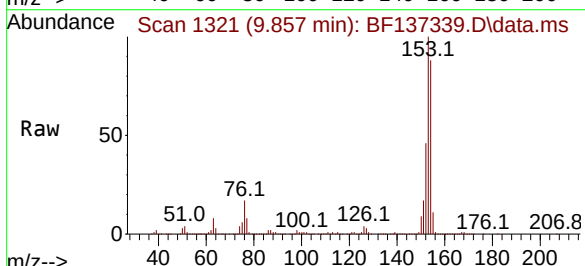
Tgt Ion:154 Resp: 632780

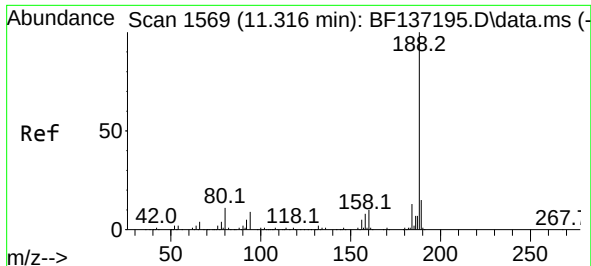
Ion Ratio Lower Upper

154 100

153 113.5 90.2 135.4

152 51.9 40.6 60.8

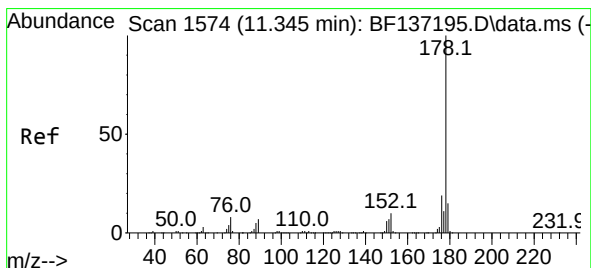
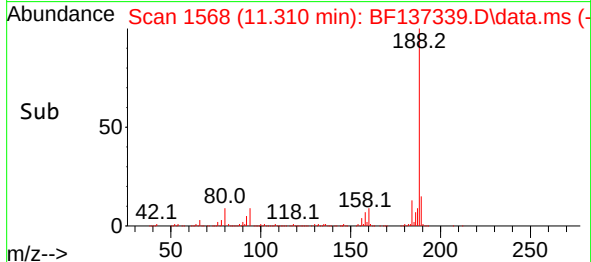
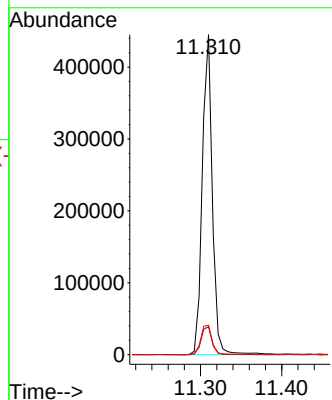
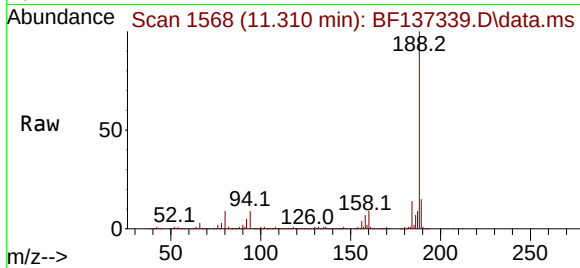




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF137339.D
Acq: 08 Feb 2024 15:55

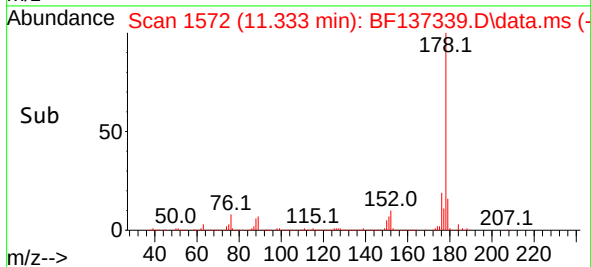
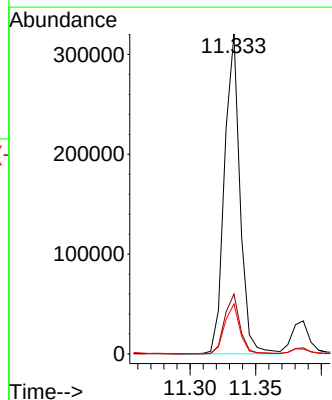
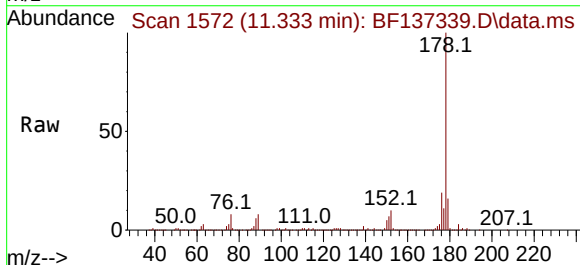
Instrument :
BNA_F
ClientSampleId :
CG-MW-17-ch4DL

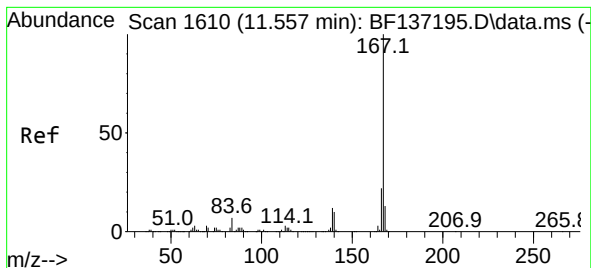
Tgt Ion:188 Resp: 384049
Ion Ratio Lower Upper
188 100
94 8.7 7.0 10.4
80 9.2 8.8 13.2



#71
Phenanthrene
Concen: 13.069 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF137339.D
Acq: 08 Feb 2024 15:55

Tgt Ion:178 Resp: 262765
Ion Ratio Lower Upper
178 100
176 18.7 15.1 22.7
179 15.7 12.1 18.1





#73

Carbazole

Concen: 6.513 ng

RT: 11.545 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF137339.D

Acq: 08 Feb 2024 15:55

Instrument :

BNA_F

ClientSampleId :

CG-MW-17-ch4DL

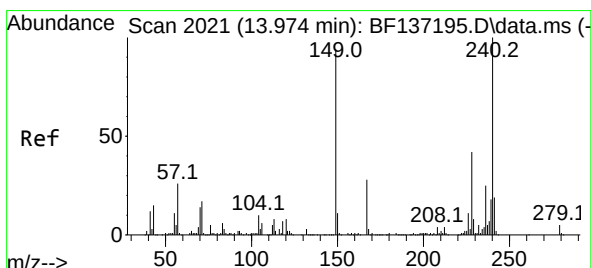
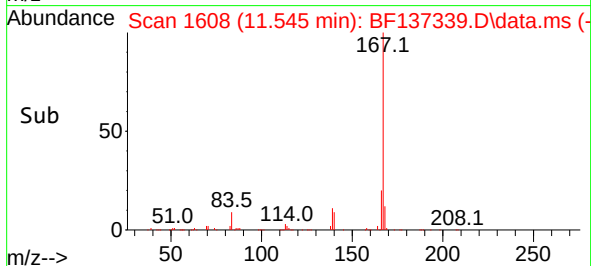
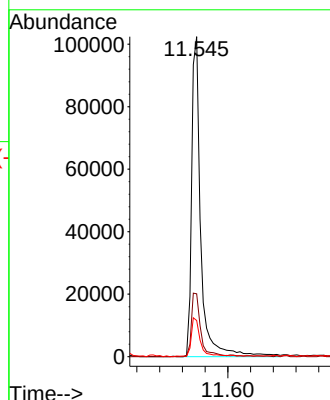
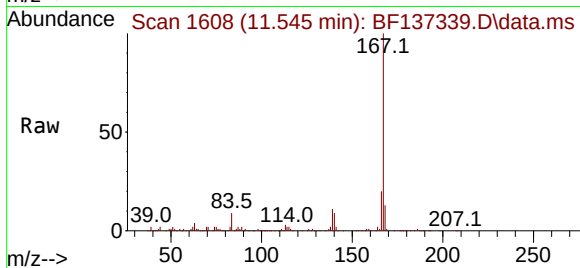
Tgt Ion:167 Resp: 114065

Ion Ratio Lower Upper

167 100

166 19.7 17.6 26.4

139 11.3 9.7 14.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 2019

Delta R.T. -0.012 min

Lab File: BF137339.D

Acq: 08 Feb 2024 15:55

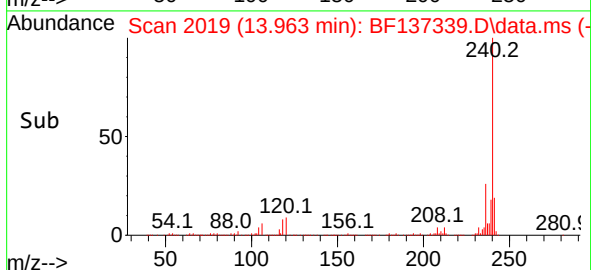
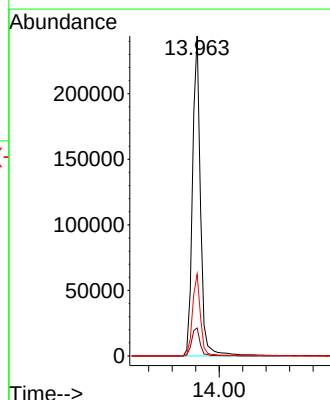
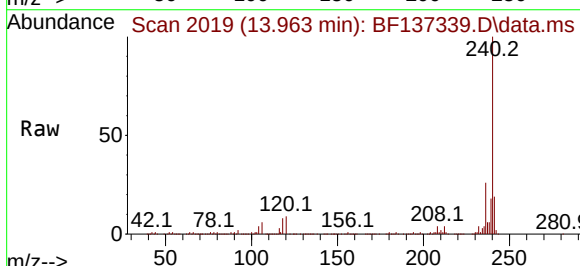
Tgt Ion:240 Resp: 231247

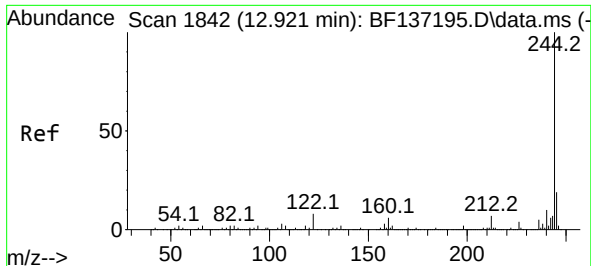
Ion Ratio Lower Upper

240 100

120 8.8 6.3 9.5

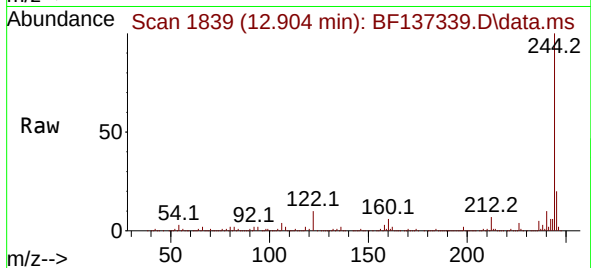
236 25.5 20.3 30.5



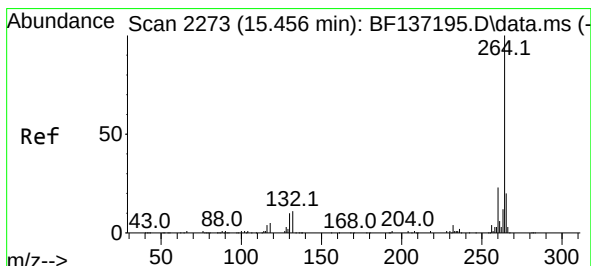
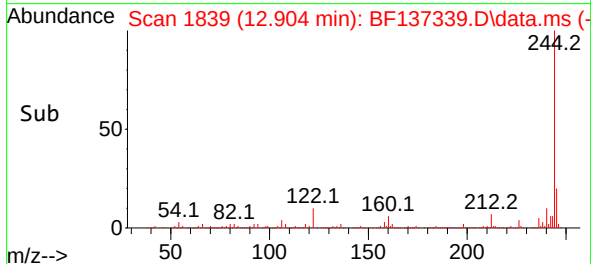
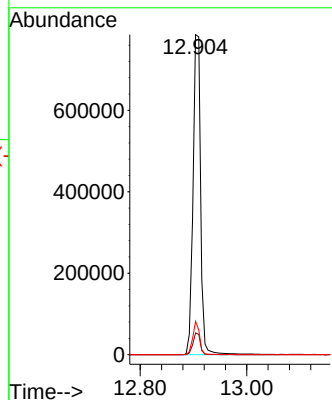


#79
Terphenyl-d14
Concen: 46.025 ng
RT: 12.904 min Scan# 1842
Delta R.T. -0.018 min
Lab File: BF137339.D
Acq: 08 Feb 2024 15:55

Instrument :
BNA_F
ClientSampleId :
CG-MW-17-ch4DL



Tgt Ion:244 Resp: 782903
Ion Ratio Lower Upper
244 100
212 6.8 5.5 8.3
122 10.4 6.2 9.4#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2270
Delta R.T. -0.018 min
Lab File: BF137339.D
Acq: 08 Feb 2024 15:55

Tgt Ion:264 Resp: 244966
Ion Ratio Lower Upper
264 100
260 22.8 18.2 27.4
265 20.3 16.2 24.2

