

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011524\
 Data File : BF137068.D
 Acq On : 15 Jan 2024 17:38
 Operator : CG\JU
 Sample : P1135-01DL 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 360DL

Quant Time: Jan 15 18:20:56 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

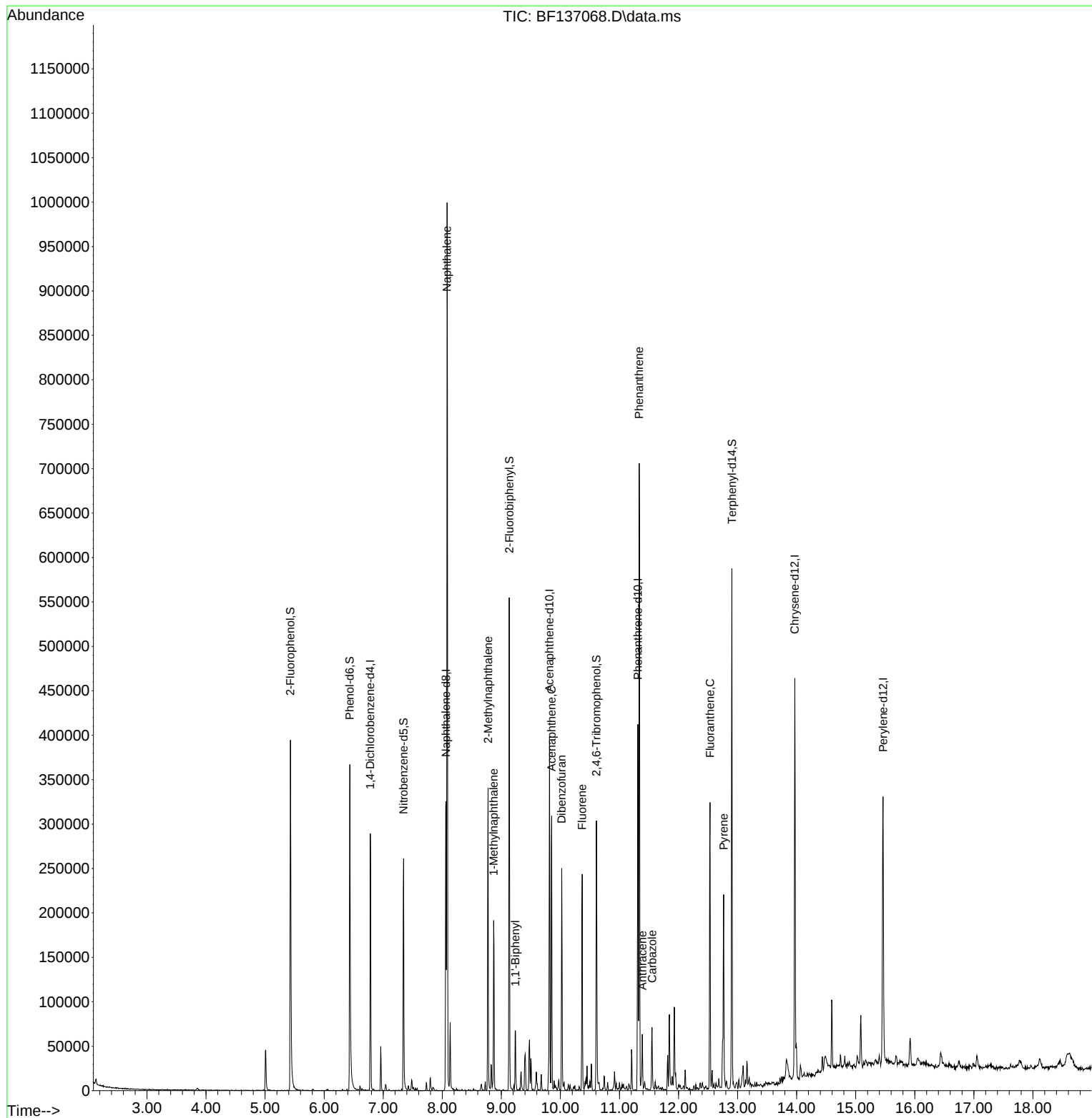
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	42075	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	154114	20.000	ng	# 0.00
39) Acenaphthene-d10	9.816	164	73288	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	144842	20.000	ng	0.00
76) Chrysene-d12	13.969	240	143959	20.000	ng	0.00
86) Perylene-d12	15.463	264	136899	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	116595	43.237	ng	0.00
7) Phenol-d6	6.434	99	137845	39.450	ng	0.00
23) Nitrobenzene-d5	7.345	82	81770	27.150	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	36289	42.044	ng	-0.01
45) 2-Fluorobiphenyl	9.134	172	155109	28.466	ng	-0.02
79) Terphenyl-d14	12.904	244	184682	17.928	ng	-0.01
Target Compounds						
						Qvalue
31) Naphthalene	8.081	128	427939	50.544	ng	100
37) 2-Methylnaphthalene	8.775	142	85306	15.656	ng	100
38) 1-Methylnaphthalene	8.869	142	49359	9.233	ng	96
46) 1,1'-Biphenyl	9.239	154	23211	3.774	ng	96
52) Acenaphthene	9.851	154	66987	15.122	ng	98
55) Dibenzofuran	10.022	168	95260	14.186	ng	95
58) Fluorene	10.369	166	67879	12.740	ng	98
71) Phenanthrene	11.333	178	263237	35.420	ng	99
72) Anthracene	11.386	178	23386	3.107	ng	99
73) Carbazole	11.551	167	30846	4.347	ng	99
75) Fluoranthene	12.533	202	130169	16.374	ng	99
78) Pyrene	12.763	202	89805	6.355	ng	97

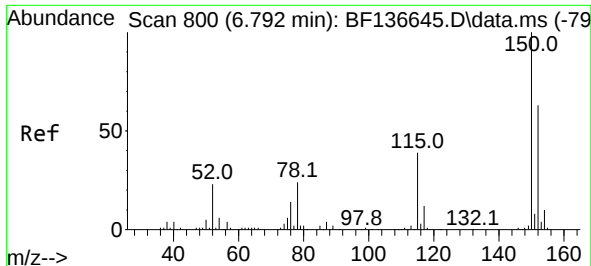
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011524\
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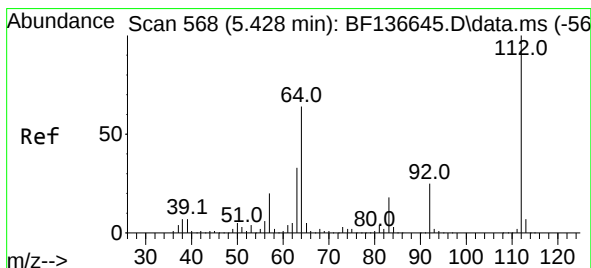
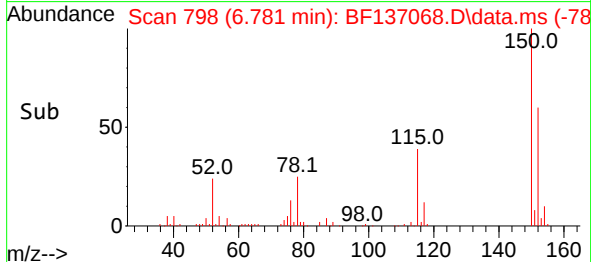
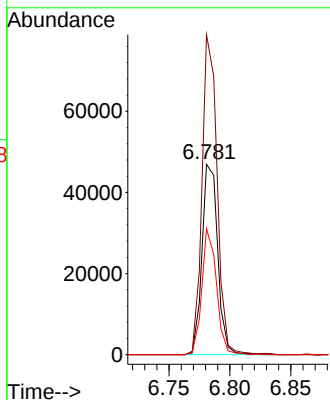
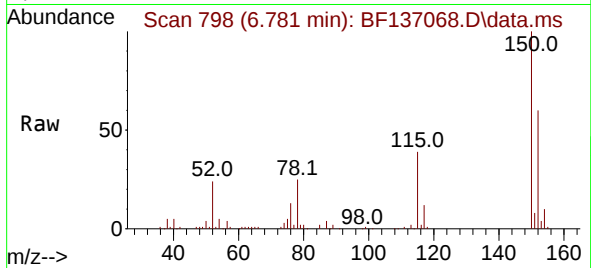




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF137068.D
Acq: 15 Jan 2024 17:38

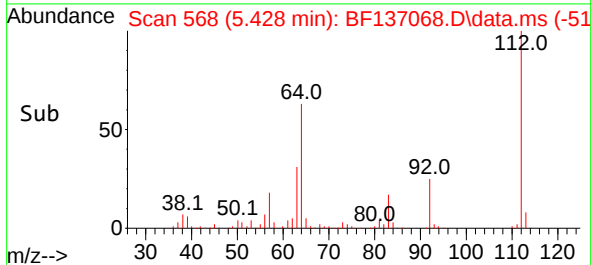
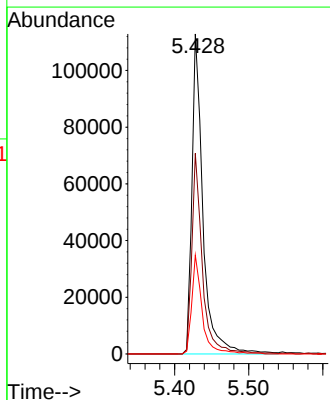
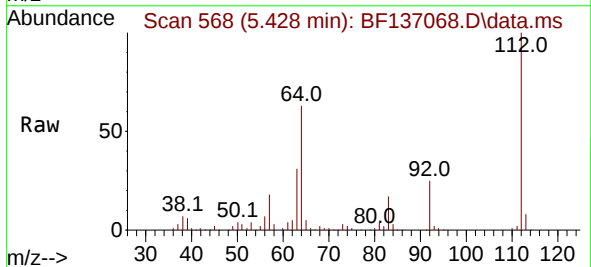
Instrument :
BNA_F
ClientSampleId :
360DL

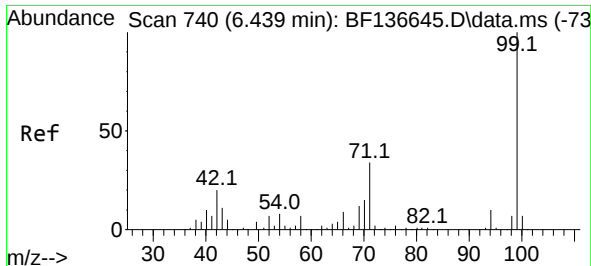
Tgt Ion:152 Resp: 42075
Ion Ratio Lower Upper
152 100
150 168.0 127.0 190.6
115 66.2 49.0 73.4



#5
2-Fluorophenol
Concen: 43.237 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF137068.D
Acq: 15 Jan 2024 17:38

Tgt Ion:112 Resp: 116595
Ion Ratio Lower Upper
112 100
64 62.7 51.1 76.7
63 30.9 26.1 39.1

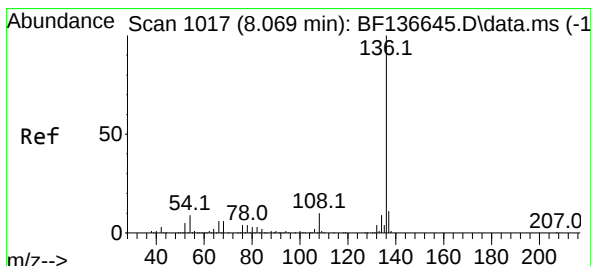
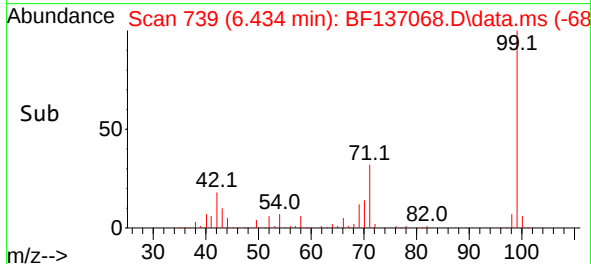
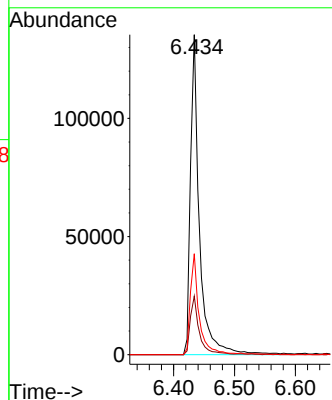
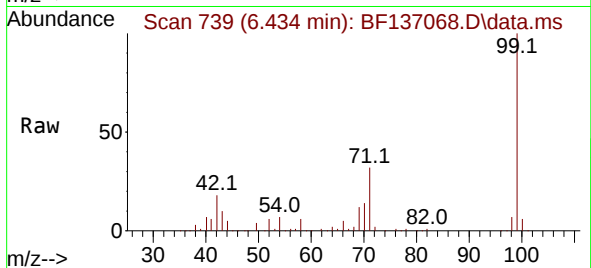




#7
Phenol-d6
Concen: 39.450 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137068.D
Acq: 15 Jan 2024 17:38

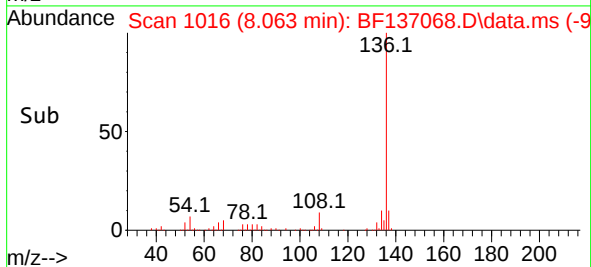
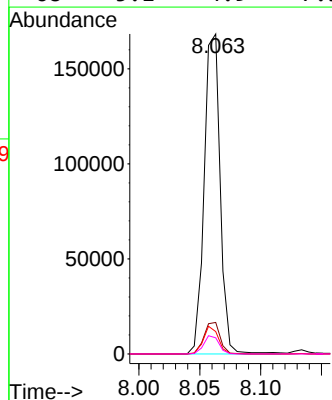
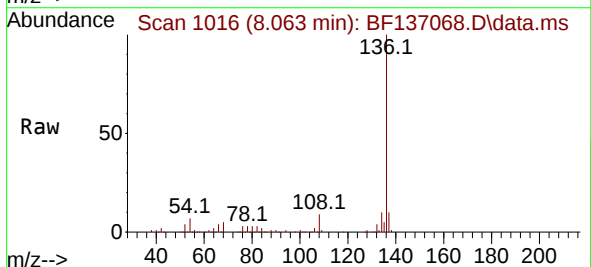
Instrument :
BNA_F
ClientSampleId :
360DL

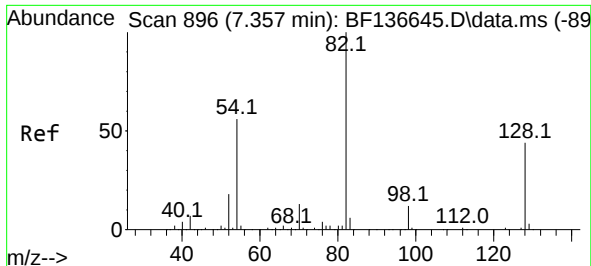
Tgt Ion: 99 Resp: 137845
Ion Ratio Lower Upper
99 100
42 18.3 16.1 24.1
71 31.6 27.4 41.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF137068.D
Acq: 15 Jan 2024 17:38

Tgt Ion:136 Resp: 154114
Ion Ratio Lower Upper
136 100
137 9.9 9.0 13.4
54 7.0 7.2 10.8#
68 5.1 4.9 7.3

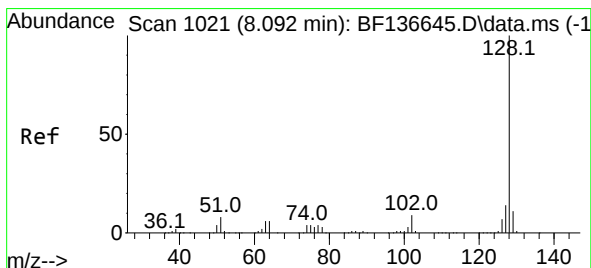
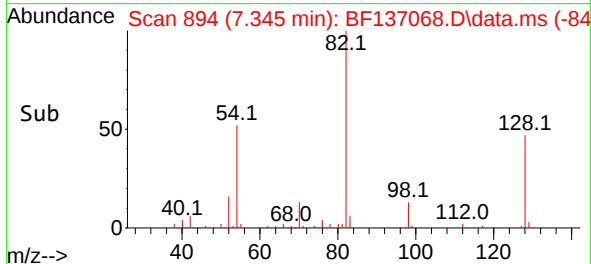
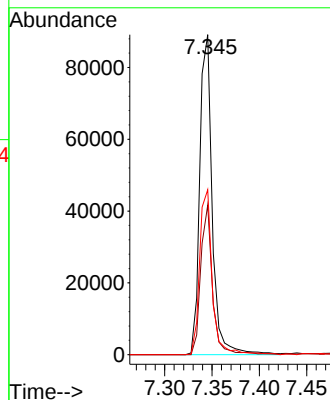
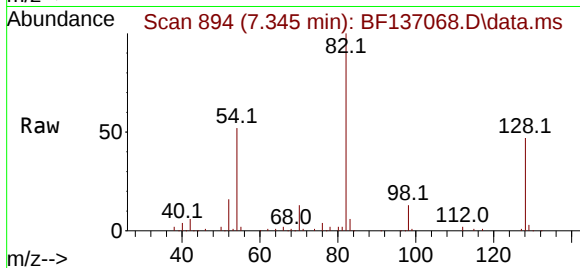




#23
Nitrobenzene-d5
Concen: 27.150 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF137068.D
Acq: 15 Jan 2024 17:38

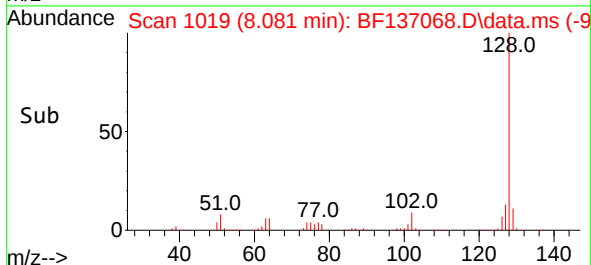
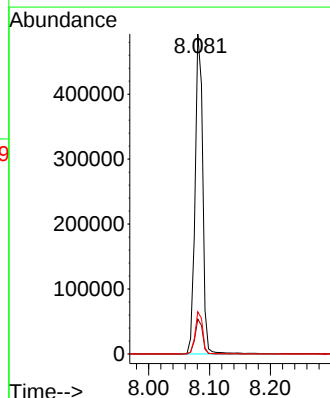
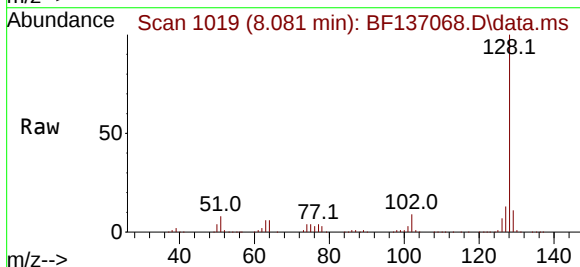
Instrument :
BNA_F
ClientSampleId :
360DL

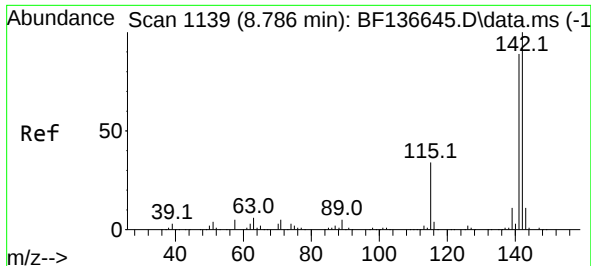
Tgt Ion: 82 Resp: 81770
Ion Ratio Lower Upper
82 100
128 46.8 35.3 52.9
54 51.6 44.5 66.7



#31
Naphthalene
Concen: 50.544 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.012 min
Lab File: BF137068.D
Acq: 15 Jan 2024 17:38

Tgt Ion: 128 Resp: 427939
Ion Ratio Lower Upper
128 100
129 10.9 8.7 13.1
127 13.2 10.8 16.2

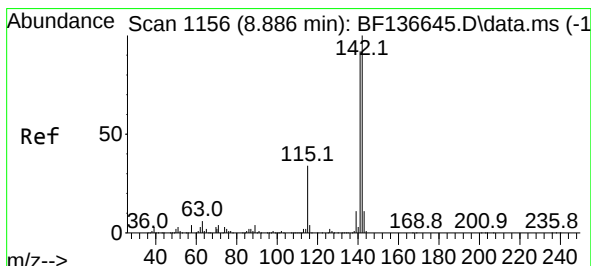
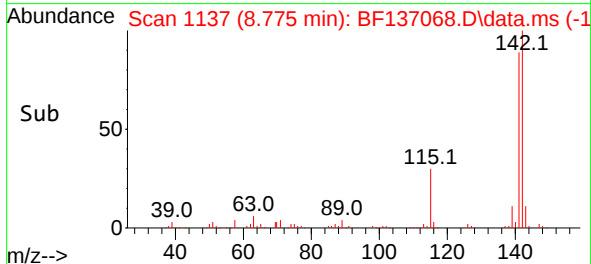
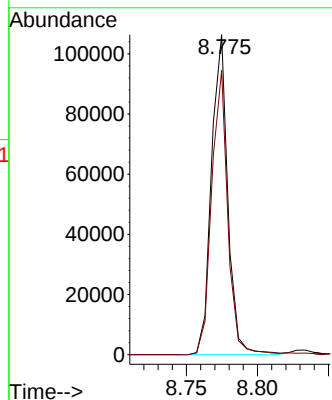
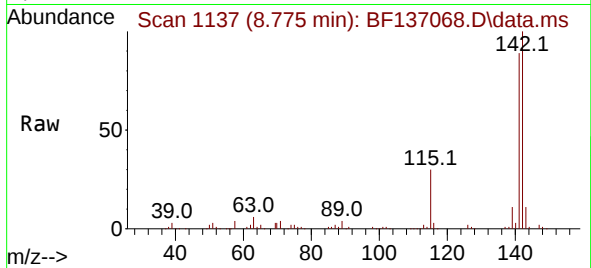




#37
2-Methylnaphthalene
Concen: 15.656 ng
RT: 8.775 min Scan# 1137
Delta R.T. -0.012 min
Lab File: BF137068.D
Acq: 15 Jan 2024 17:38

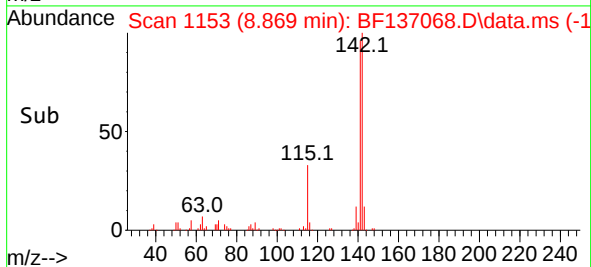
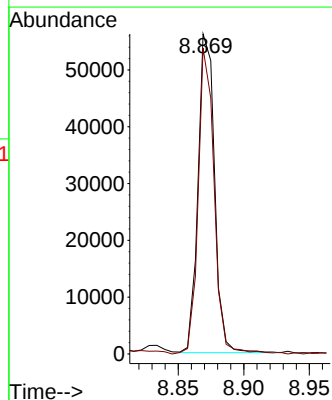
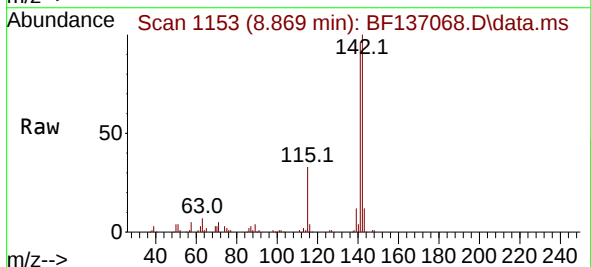
Instrument :
BNA_F
ClientSampleId :
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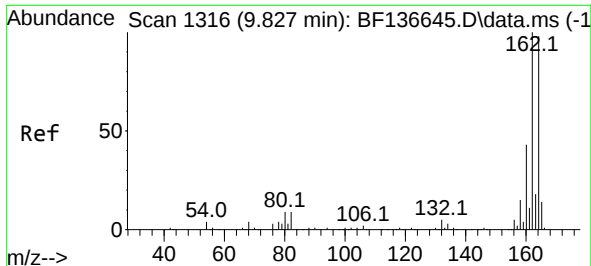
Tgt Ion:142 Resp: 85306
Ion Ratio Lower Upper
142 100
141 88.8 71.1 106.7



#38
1-Methylnaphthalene
Concen: 9.233 ng
RT: 8.869 min Scan# 1153
Delta R.T. -0.017 min
Lab File: BF137068.D
Acq: 15 Jan 2024 17:38

Tgt Ion:142 Resp: 49359
Ion Ratio Lower Upper
142 100
141 95.6 73.6 110.4

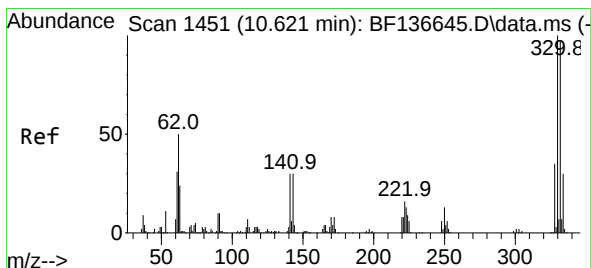
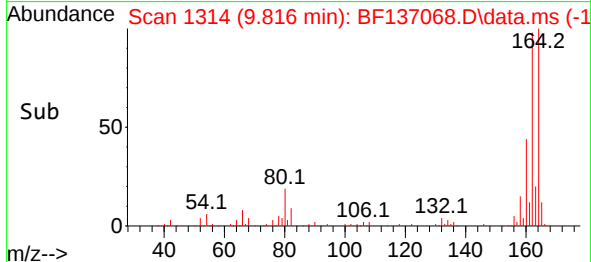
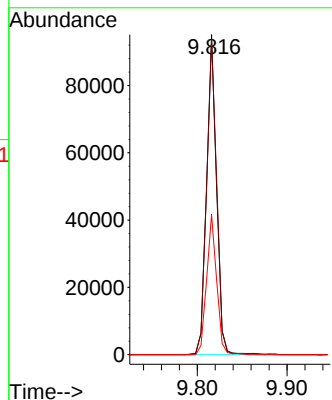
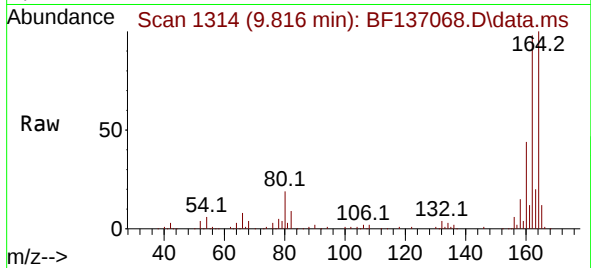




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF137068.D
Acq: 15 Jan 2024 17:38

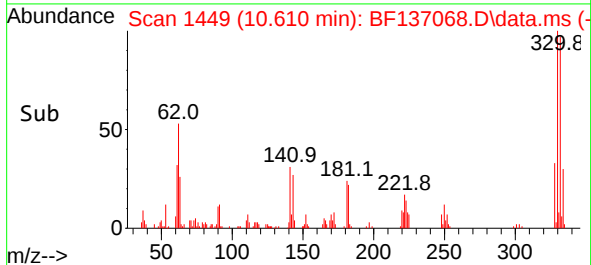
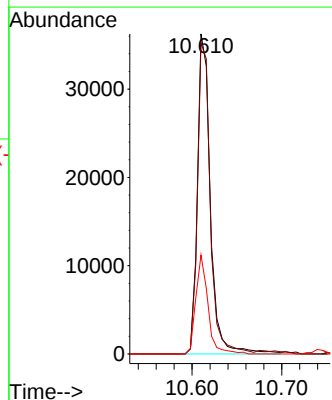
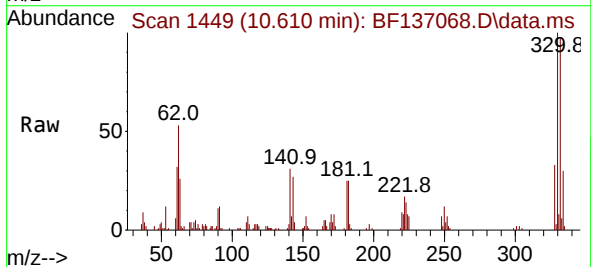
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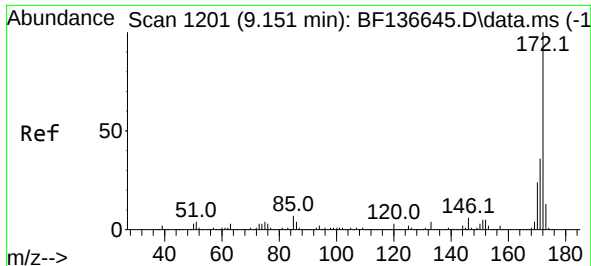
Tgt Ion:164 Resp: 73288
Ion Ratio Lower Upper
164 100
162 98.4 81.6 122.4
160 43.8 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 42.044 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF137068.D
Acq: 15 Jan 2024 17:38

Tgt Ion:330 Resp: 36289
Ion Ratio Lower Upper
330 100
332 96.4 77.4 116.0
141 28.9 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 28.466 ng

RT: 9.134 min Scan# 1198

Delta R.T. -0.017 min

Lab File: BF137068.D

Acq: 15 Jan 2024 17:38

Instrument :

BNA_F

ClientSampleId :

360DL

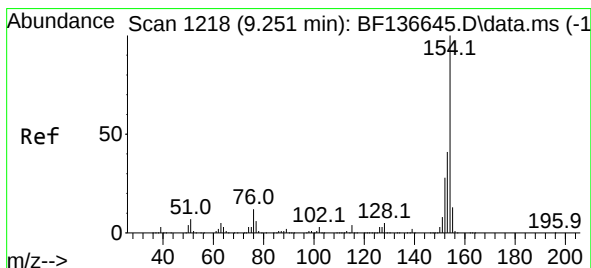
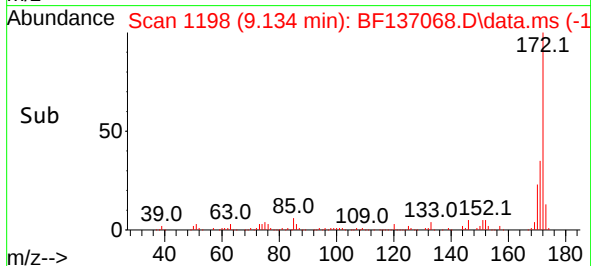
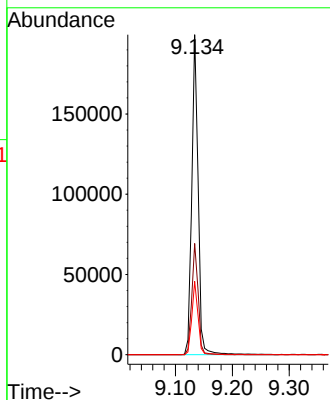
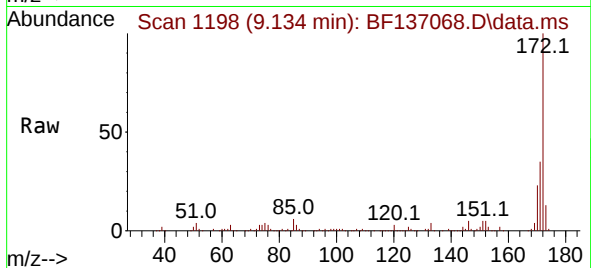
Tgt Ion:172 Resp: 155109

Ion Ratio Lower Upper

172 100

171 34.8 29.0 43.6

170 22.9 19.0 28.4



#46

1,1'-Biphenyl

Concen: 3.774 ng

RT: 9.239 min Scan# 1216

Delta R.T. -0.012 min

Lab File: BF137068.D

Acq: 15 Jan 2024 17:38

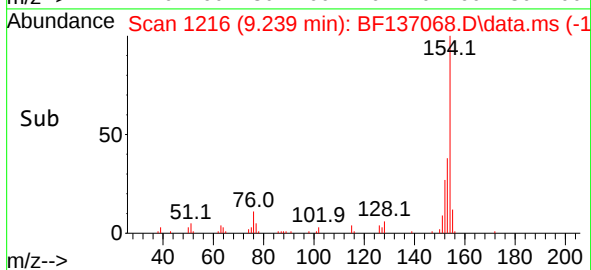
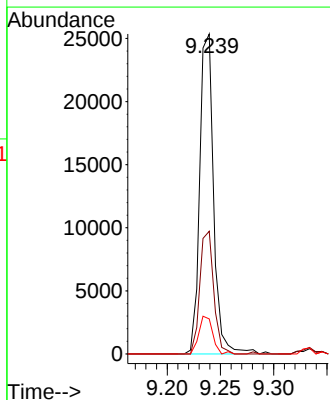
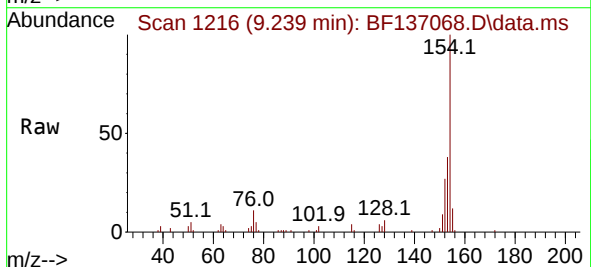
Tgt Ion:154 Resp: 23211

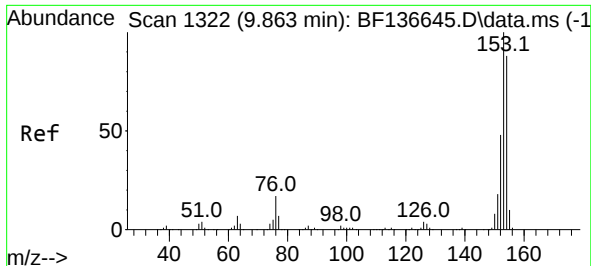
Ion Ratio Lower Upper

154 100

153 38.4 21.1 61.1

76 10.9 0.0 31.7

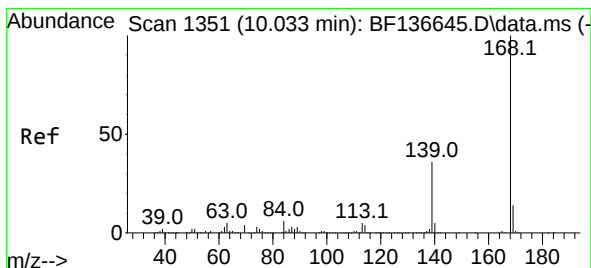
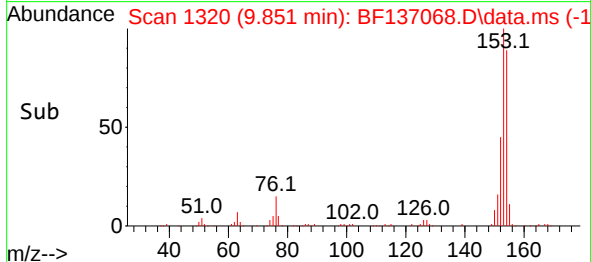
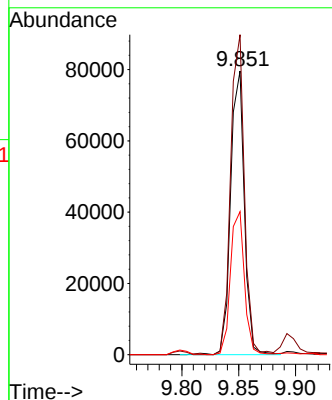
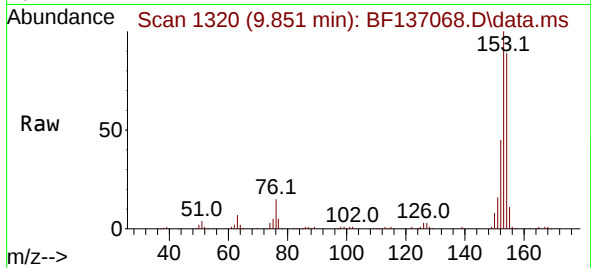




#52
Acenaphthene
Concen: 15.122 ng
RT: 9.851 min Scan# 1320
Delta R.T. -0.012 min
Lab File: BF137068.D
Acq: 15 Jan 2024 17:38

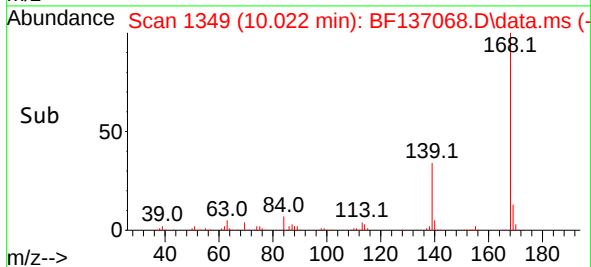
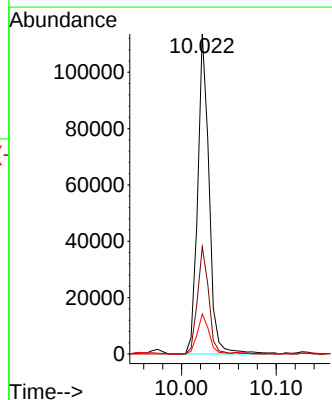
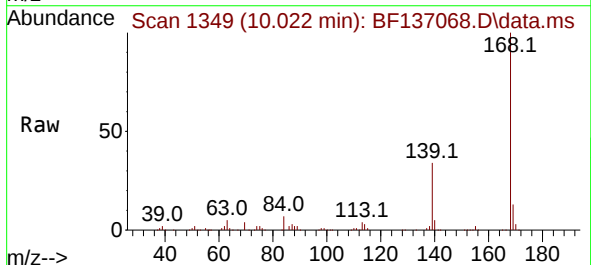
Instrument :
BNA_F
ClientSampleId :
360DL

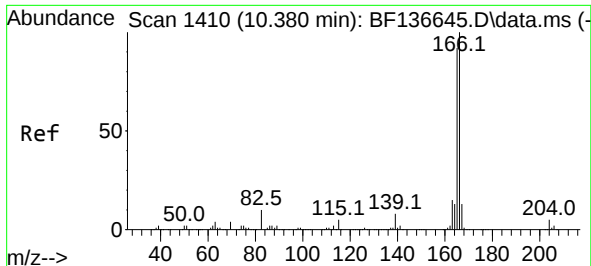
Tgt Ion:154 Resp: 66987
Ion Ratio Lower Upper
154 100
153 112.8 90.7 136.1
152 50.4 43.7 65.5



#55
Dibenzofuran
Concen: 14.186 ng
RT: 10.022 min Scan# 1349
Delta R.T. -0.012 min
Lab File: BF137068.D
Acq: 15 Jan 2024 17:38

Tgt Ion:168 Resp: 95260
Ion Ratio Lower Upper
168 100
139 33.5 29.3 43.9
169 12.6 11.0 16.4

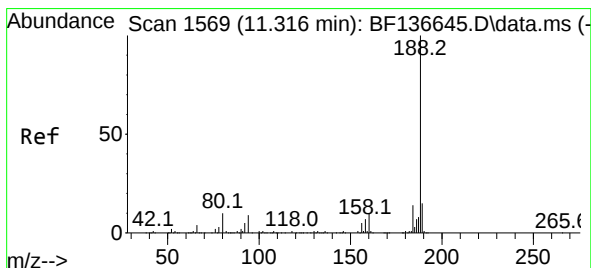
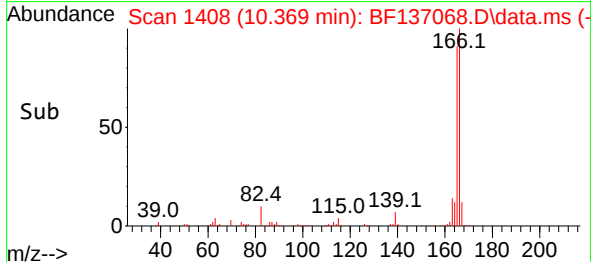
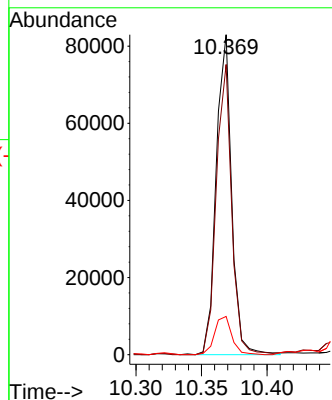
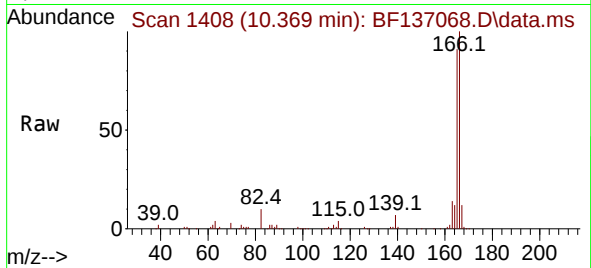




#58
 Fluorene
 Concen: 12.740 ng
 RT: 10.369 min Scan# 1410
 Delta R.T. -0.012 min
 Lab File: BF137068.D
 Acq: 15 Jan 2024 17:38

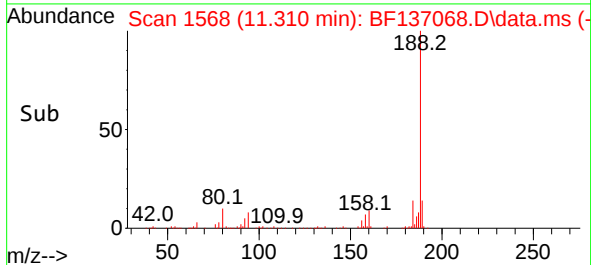
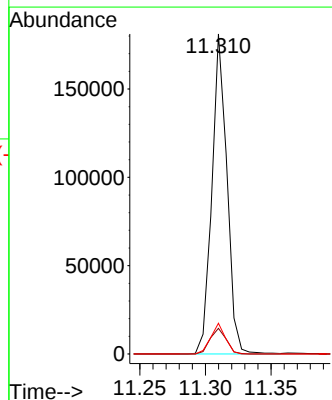
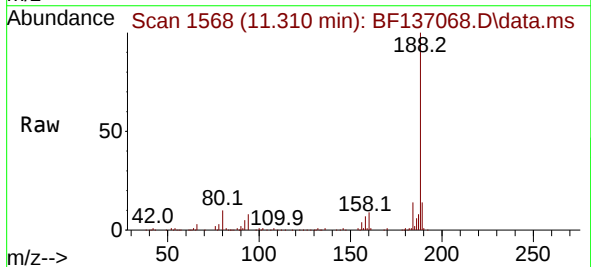
Instrument :
 BNA_F
 ClientSampleId :
 360DL

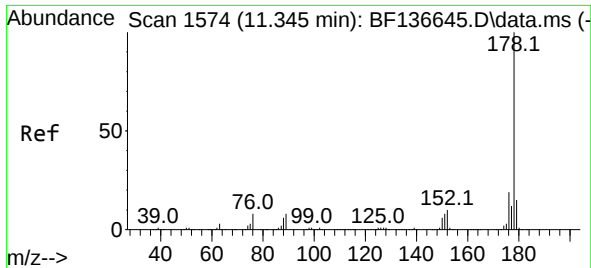
Tgt Ion:166 Resp: 67879
 Ion Ratio Lower Upper
 166 100
 165 90.7 73.7 110.5
 167 12.0 10.4 15.6



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.310 min Scan# 1568
 Delta R.T. -0.006 min
 Lab File: BF137068.D
 Acq: 15 Jan 2024 17:38

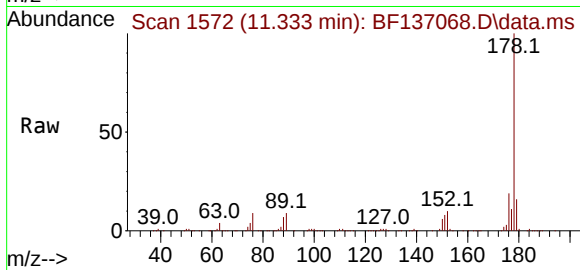
Tgt Ion:188 Resp: 144842
 Ion Ratio Lower Upper
 188 100
 94 8.0 7.5 11.3
 80 9.6 8.1 12.1



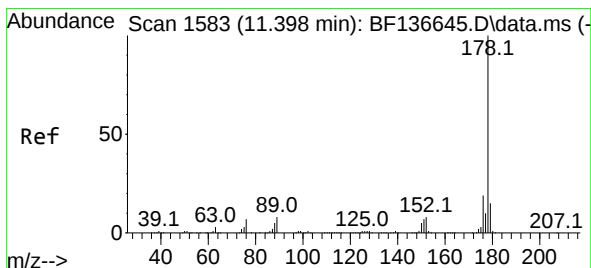
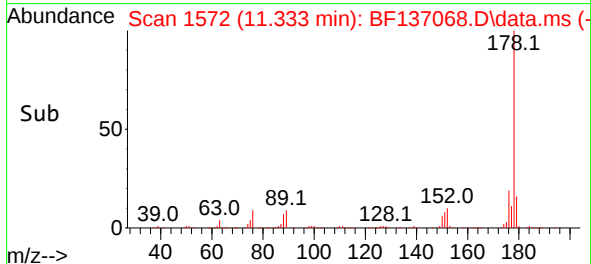
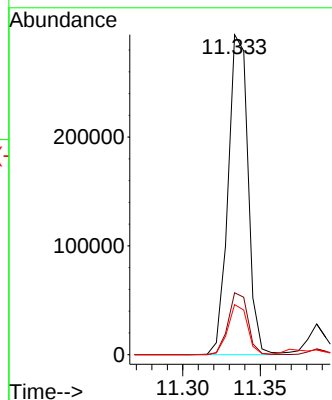


#71
Phenanthrene
Concen: 35.420 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF137068.D
Acq: 15 Jan 2024 17:38

Instrument :
BNA_F
ClientSampleId :
360DL

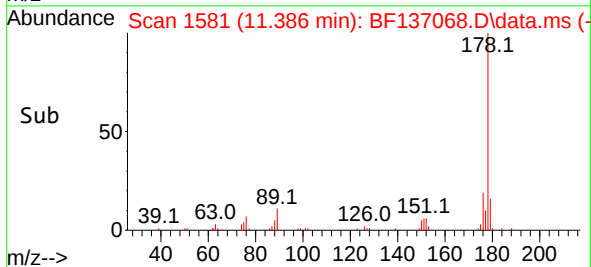
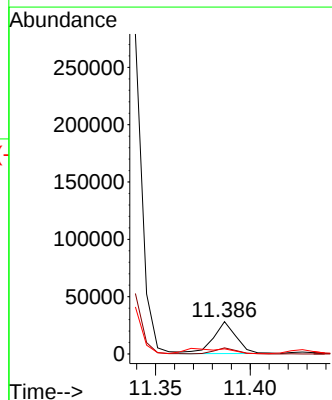
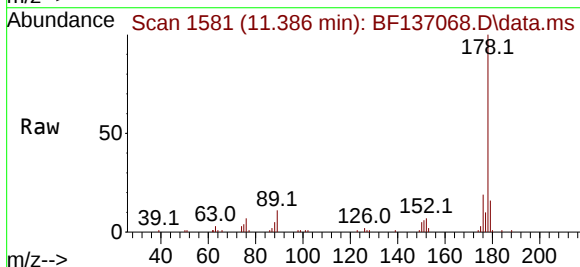


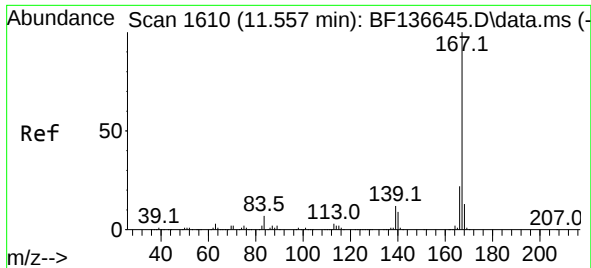
Tgt Ion:178 Resp: 263237
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 15.6 11.9 17.9



#72
Anthracene
Concen: 3.107 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF137068.D
Acq: 15 Jan 2024 17:38

Tgt Ion:178 Resp: 23386
Ion Ratio Lower Upper
178 100
176 18.9 14.9 22.3
179 15.8 11.8 17.6

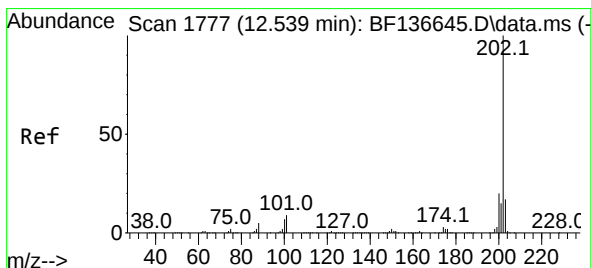
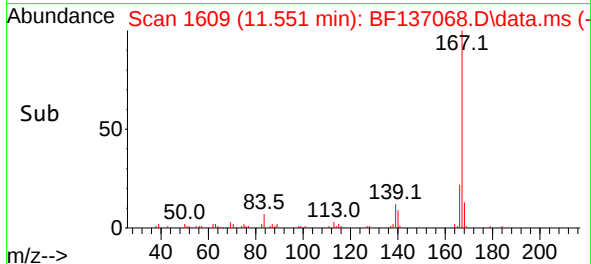
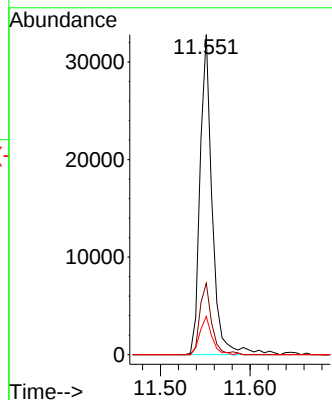
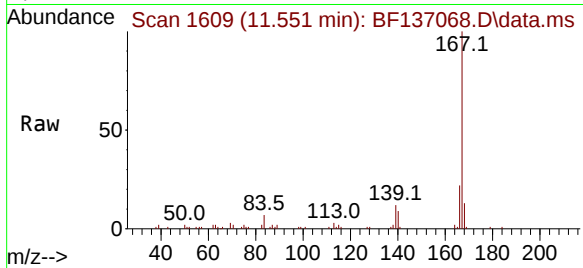




#73
 Carbazole
 Concen: 4.347 ng
 RT: 11.551 min Scan# 1609
 Delta R.T. -0.006 min
 Lab File: BF137068.D
 Acq: 15 Jan 2024 17:38

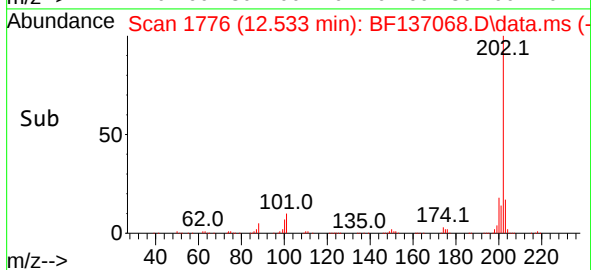
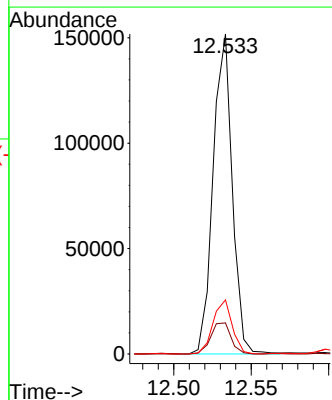
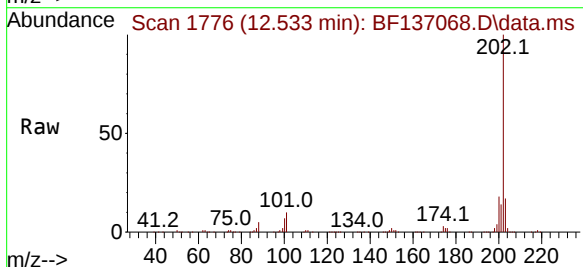
Instrument :
 BNA_F
 ClientSampleId :
 360DL

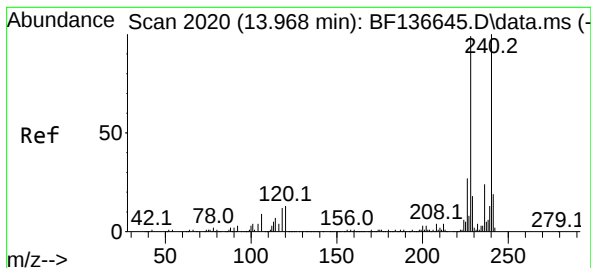
Tgt Ion:167 Resp: 30846
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.3 25.9
 139 12.0 9.8 14.6



#75
 Fluoranthene
 Concen: 16.374 ng
 RT: 12.533 min Scan# 1776
 Delta R.T. -0.006 min
 Lab File: BF137068.D
 Acq: 15 Jan 2024 17:38

Tgt Ion:202 Resp: 130169
 Ion Ratio Lower Upper
 202 100
 101 9.7 0.0 29.3
 203 16.9 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.969 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF137068.D

Acq: 15 Jan 2024 17:38

Instrument :

BNA_F

ClientSampleId :

360DL

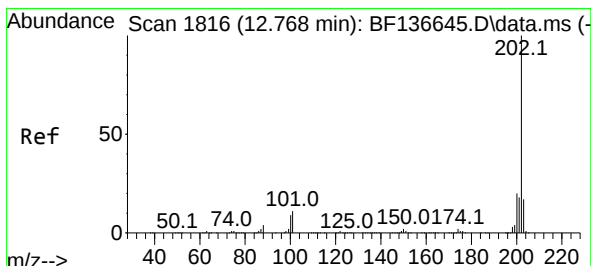
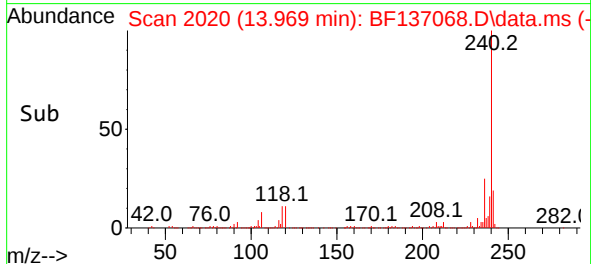
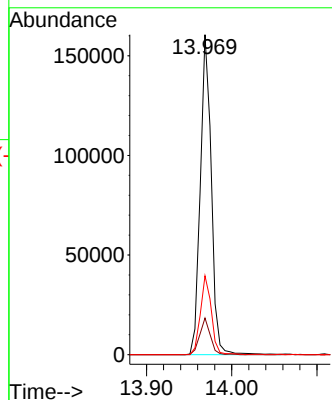
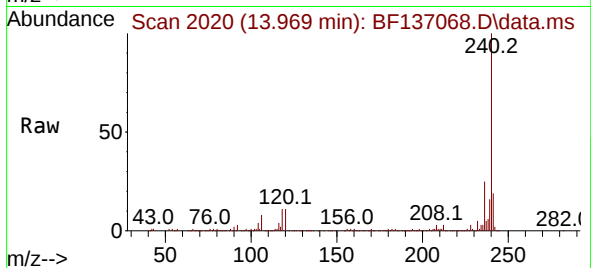
Tgt Ion:240 Resp: 143959

Ion Ratio Lower Upper

240 100

120 11.4 10.3 15.5

236 24.6 19.4 29.2



#78

Pyrene

Concen: 6.355 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF137068.D

Acq: 15 Jan 2024 17:38

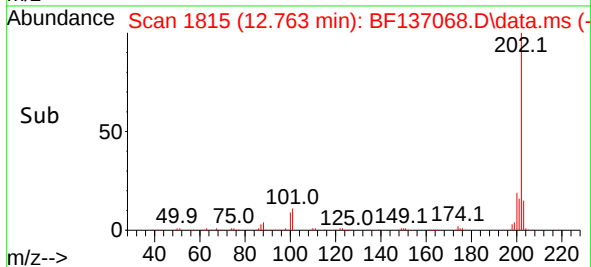
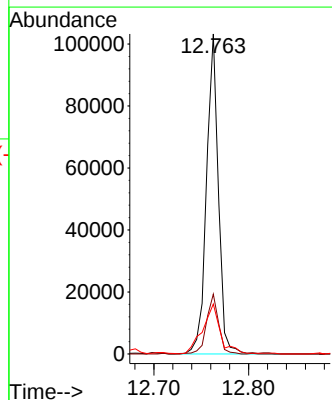
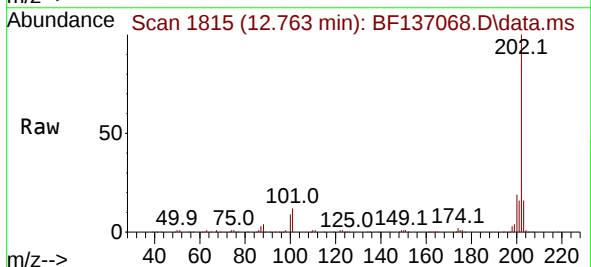
Tgt Ion:202 Resp: 89805

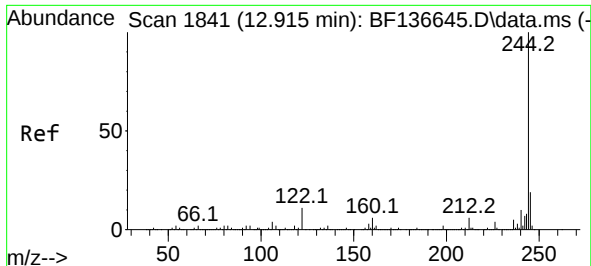
Ion Ratio Lower Upper

202 100

200 18.7 15.9 23.9

203 15.6 13.8 20.6

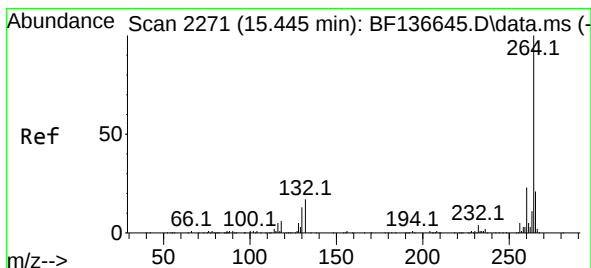
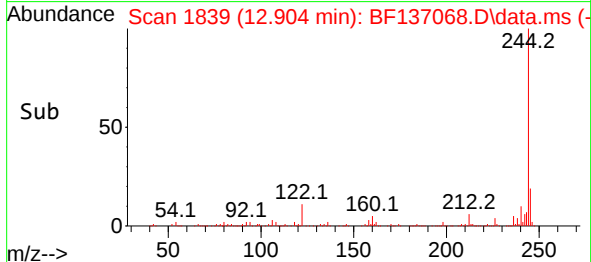
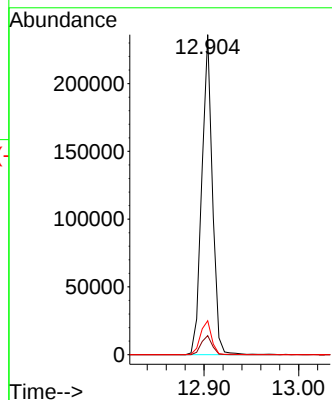
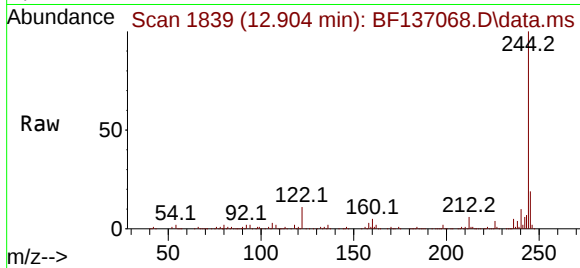




#79
 Terphenyl-d14
 Concen: 17.928 ng
 RT: 12.904 min Scan# 1841
 Delta R.T. -0.012 min
 Lab File: BF137068.D
 Acq: 15 Jan 2024 17:38

Instrument :
 BNA_F
 ClientSampleId :
 360DL

Tgt Ion:244 Resp: 184682
 Ion Ratio Lower Upper
 244 100
 212 6.0 5.0 7.4
 122 10.6 9.0 13.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.463 min Scan# 2274
 Delta R.T. 0.018 min
 Lab File: BF137068.D
 Acq: 15 Jan 2024 17:38

Tgt Ion:264 Resp: 136899
 Ion Ratio Lower Upper
 264 100
 260 22.9 18.3 27.5
 265 21.4 17.0 25.6

