

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011524\
 Data File : BF137065.D
 Acq On : 15 Jan 2024 16:10
 Operator : CG\JU
 Sample : P1135-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 360

Quant Time: Jan 15 16:37:24 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)

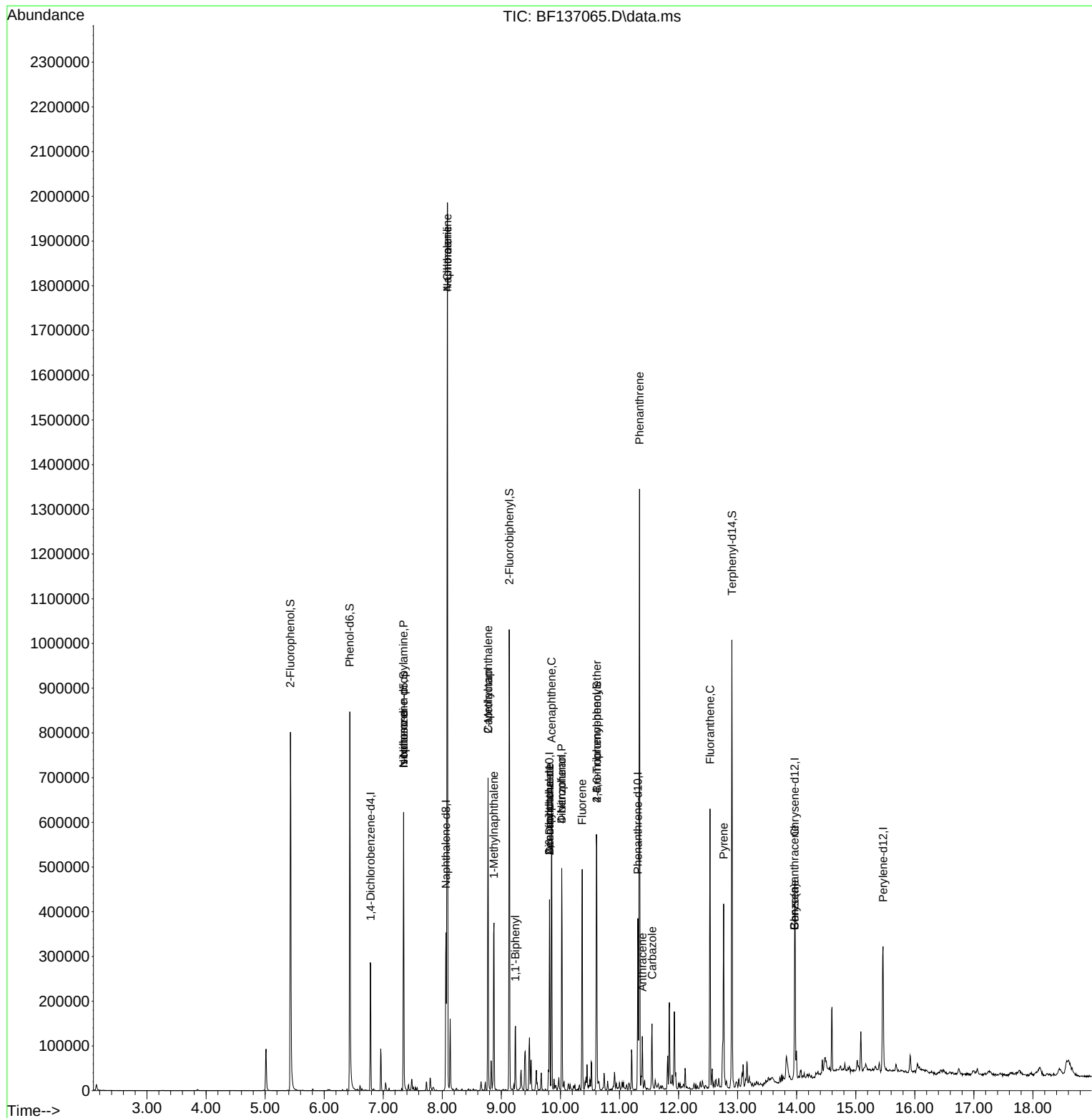
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	44952	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	159189	20.000	ng	# 0.00
39) Acenaphthene-d10	9.816	164	76070	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	143209	20.000	ng	0.00
76) Chrysene-d12	13.968	240	138231	20.000	ng	0.00
86) Perylene-d12	15.462	264	135573	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	234349	81.343	ng	0.00
7) Phenol-d6	6.434	99	274965	73.656	ng	0.00
23) Nitrobenzene-d5	7.345	82	163959	52.704	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	70319	78.490	ng	0.00
45) 2-Fluorobiphenyl	9.133	172	300976	53.215	ng	-0.02
79) Terphenyl-d14	12.904	244	337880	34.159	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	21495	9.499	ng	# 74
25) Isophorone	7.345	82	163956	28.964	ng	# 65
31) Naphthalene	8.086	128	820647	93.837	ng	100
33) 4-Chloroaniline	8.086	127	107333	33.241	ng	# 36
35) Caprolactam	8.775	113	3315	4.300	ng	# 1
37) 2-Methylnaphthalene	8.775	142	169335	30.086	ng	99
38) 1-Methylnaphthalene	8.875	142	98758	17.885	ng	99
46) 1,1'-Biphenyl	9.239	154	46557	7.293	ng	97
50) Dimethylphthalate	9.816	163	14942	2.689	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	11476	9.101	ng	# 31
52) Acenaphthene	9.851	154	130396	28.360	ng	98
55) Dibenzofuran	10.022	168	186095	26.700	ng	100
56) 4-Nitrophenol	10.022	139	65425	72.553	ng	# 9
58) Fluorene	10.369	166	129711	23.455	ng	99
67) 4-Bromophenyl-phenylether	10.616	248	4345	2.732	ng	# 1
71) Phenanthrene	11.339	178	484452	65.928	ng	99
72) Anthracene	11.386	178	42986	5.776	ng	99
73) Carbazole	11.551	167	57350	8.174	ng	99
75) Fluoranthene	12.533	202	237312	30.192	ng	99
78) Pyrene	12.763	202	163391	12.041	ng	98
81) Benzo(a)anthracene	13.963	228	27048	2.818	ng	98
83) Chrysene	13.963	228	27048	2.882	ng	95

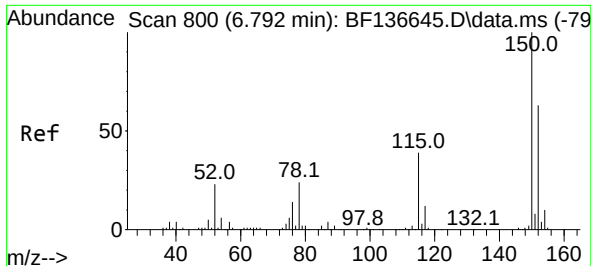
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 15 16:37:24 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

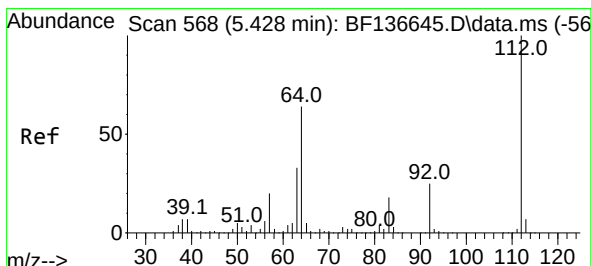
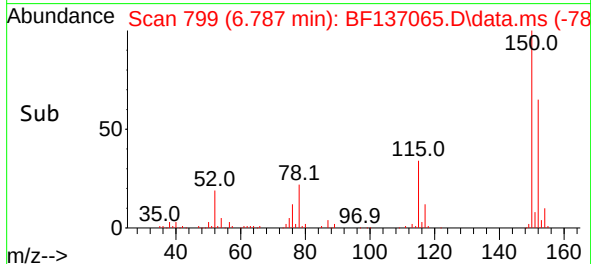
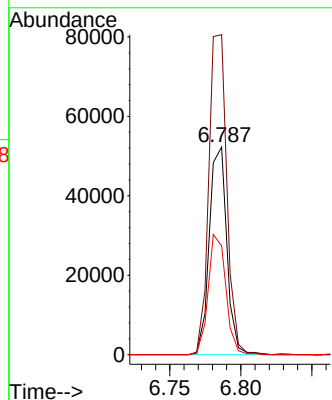
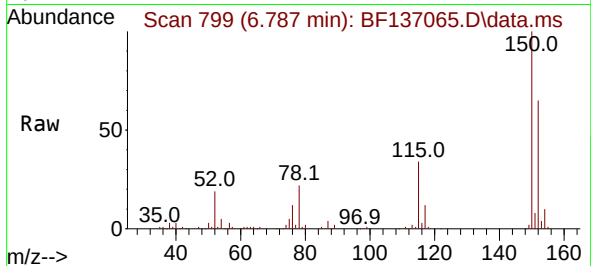




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.787 min Scan# 79
 Delta R.T. -0.005 min
 Lab File: BF137065.D
 Acq: 15 Jan 2024 16:10

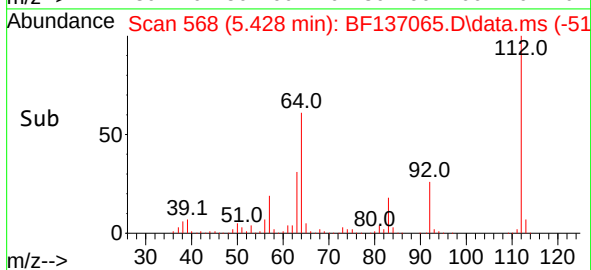
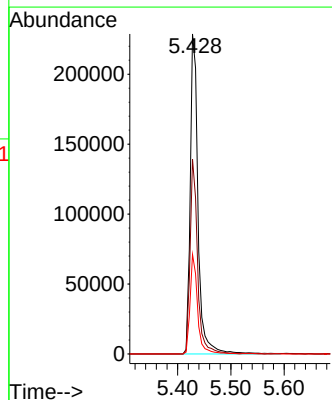
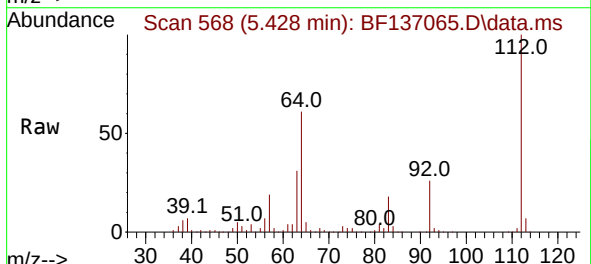
Instrument :
 BNA_F
 ClientSampleId :
 360

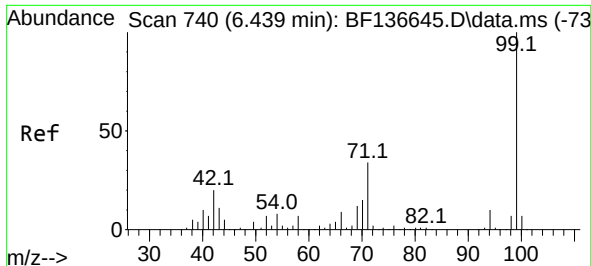
Tgt Ion:152 Resp: 44952
 Ion Ratio Lower Upper
 152 100
 150 154.1 127.0 190.6
 115 52.3 49.0 73.4



#5
 2-Fluorophenol
 Concen: 81.343 ng
 RT: 5.428 min Scan# 568
 Delta R.T. 0.000 min
 Lab File: BF137065.D
 Acq: 15 Jan 2024 16:10

Tgt Ion:112 Resp: 234349
 Ion Ratio Lower Upper
 112 100
 64 60.9 51.1 76.7
 63 31.1 26.1 39.1

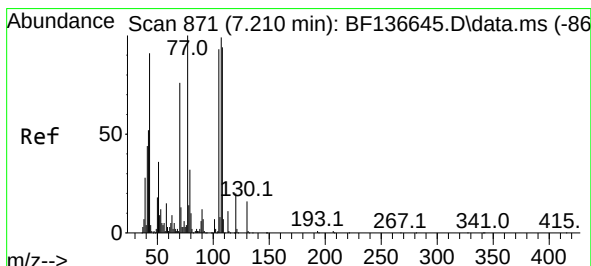
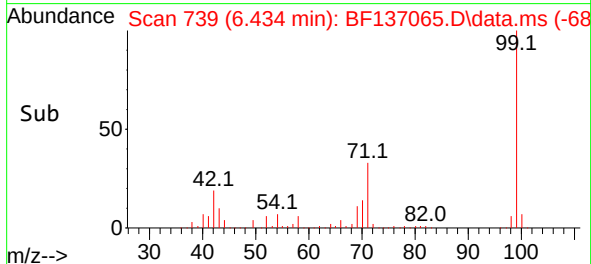
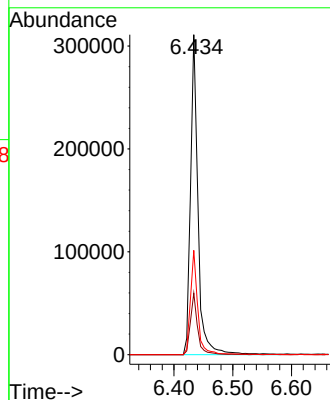
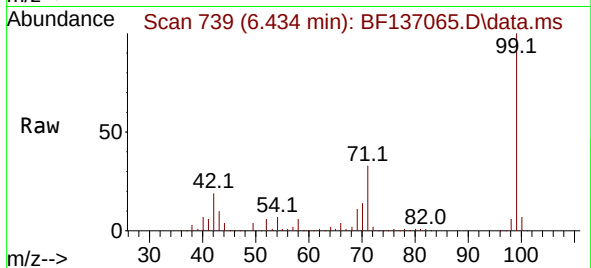




#7
Phenol-d6
Concen: 73.656 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137065.D
Acq: 15 Jan 2024 16:10

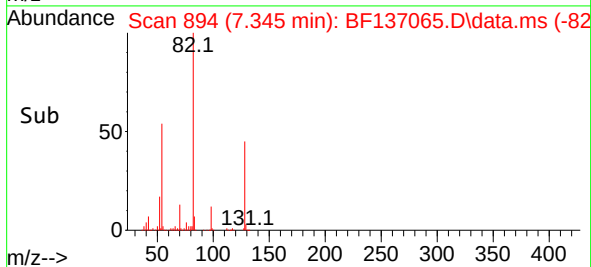
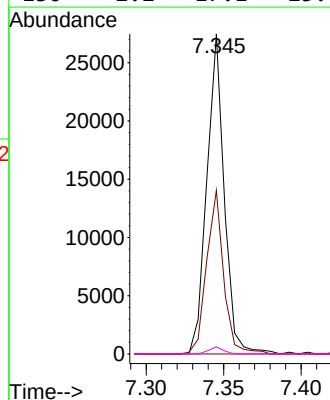
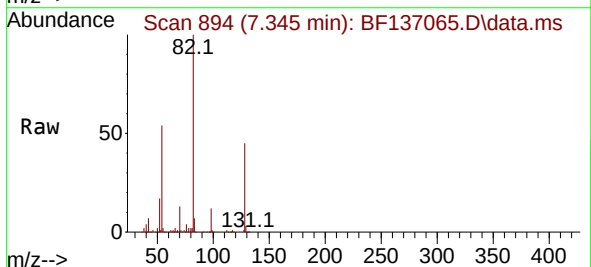
Instrument :
BNA_F
ClientSampleId :
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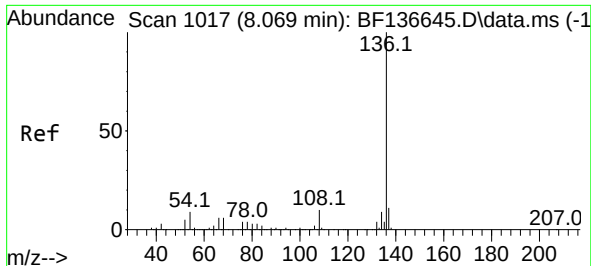
Tgt Ion: 99 Resp: 274965
Ion Ratio Lower Upper
99 100
42 19.2 16.1 24.1
71 32.6 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 9.499 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF137065.D
Acq: 15 Jan 2024 16:10

Tgt Ion: 70 Resp: 21495
Ion Ratio Lower Upper
70 100
42 51.1 54.2 81.4#
101 0.0 7.6 11.4#
130 2.2 17.1 25.7#

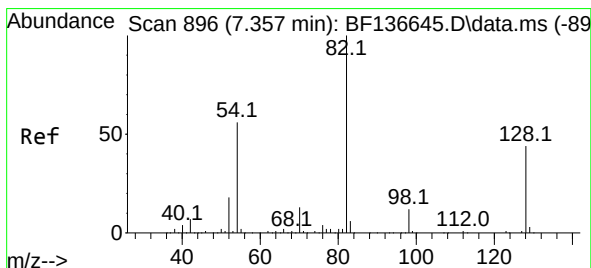
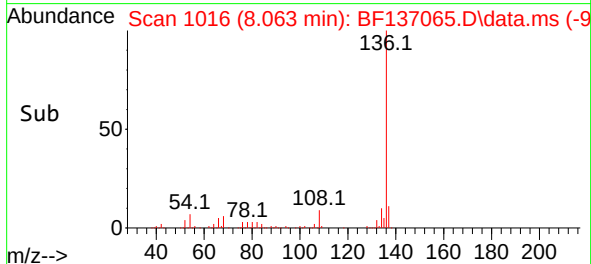
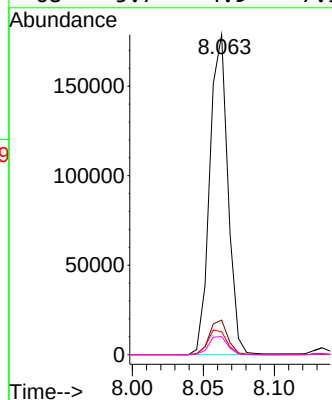
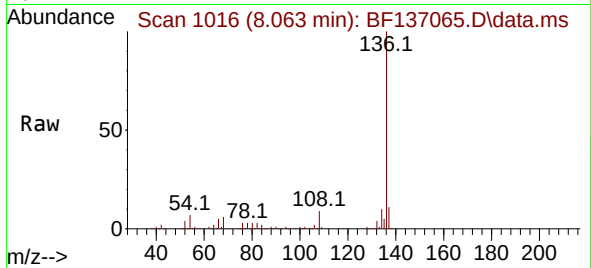




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF137065.D
Acq: 15 Jan 2024 16:10

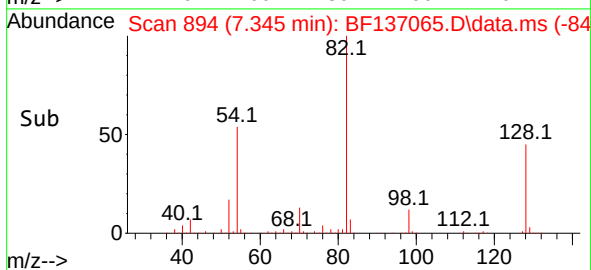
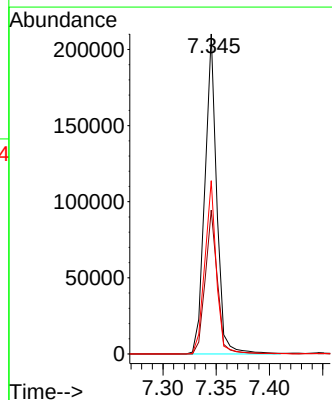
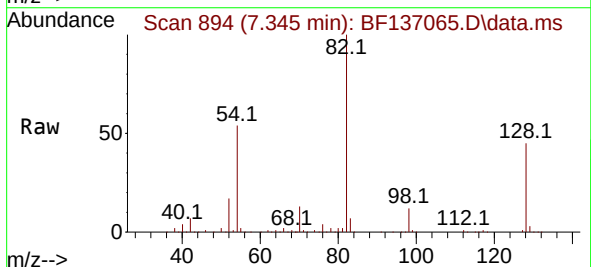
Instrument :
BNA_F
ClientSampleId :
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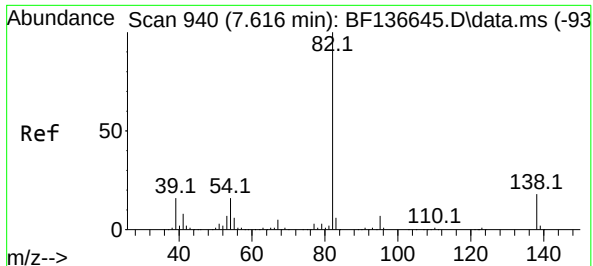
Tgt Ion:136 Resp: 159189
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 7.1 7.2 10.8#
68 5.7 4.9 7.3



#23
Nitrobenzene-d5
Concen: 52.704 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF137065.D
Acq: 15 Jan 2024 16:10

Tgt Ion: 82 Resp: 163959
Ion Ratio Lower Upper
82 100
128 44.9 35.3 52.9
54 54.2 44.5 66.7

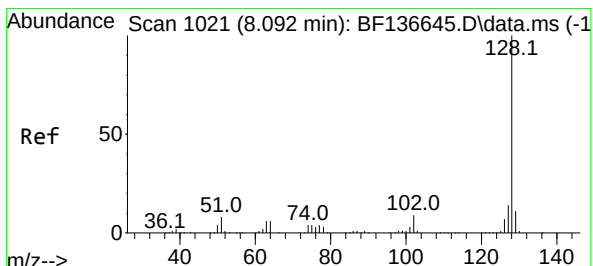
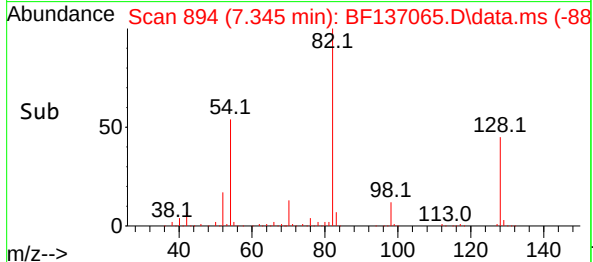
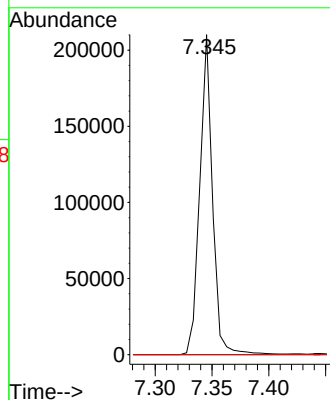
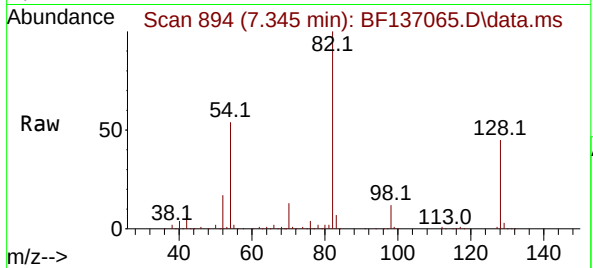




#25
Isophorone
Concen: 28.964 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.271 min
Lab File: BF137065.D
Acq: 15 Jan 2024 16:10

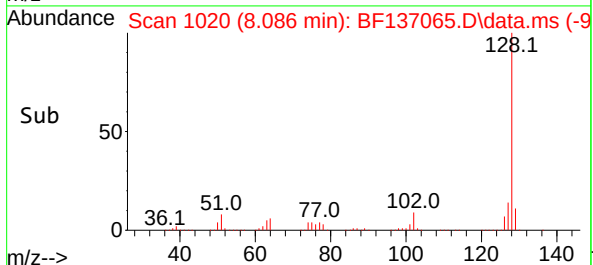
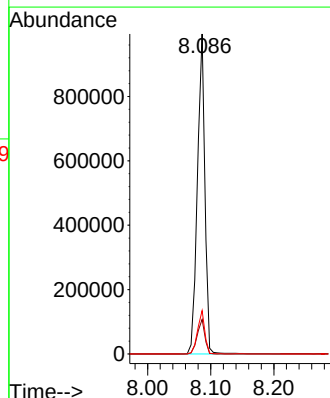
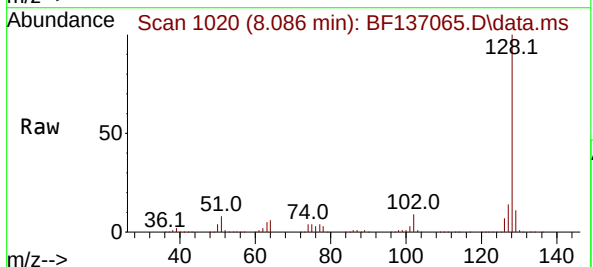
Instrument :
BNA_F
ClientSampleId :
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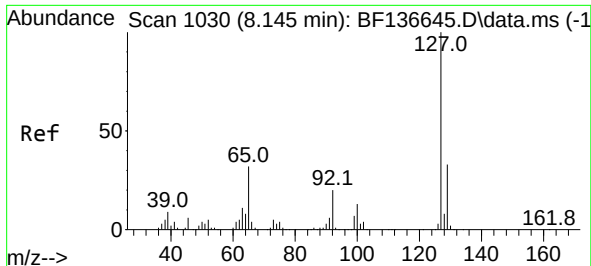
Tgt Ion: 82 Resp: 163956
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.5 21.7#



#31
Naphthalene
Concen: 93.837 ng
RT: 8.086 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BF137065.D
Acq: 15 Jan 2024 16:10

Tgt Ion: 128 Resp: 820647
Ion Ratio Lower Upper
128 100
129 10.8 8.7 13.1
127 13.6 10.8 16.2

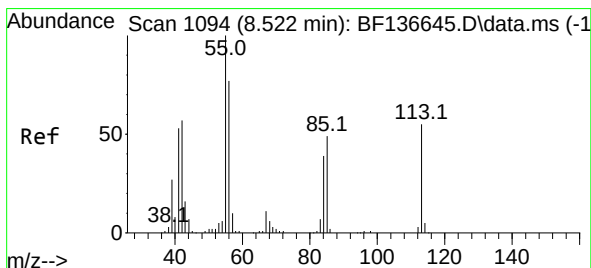
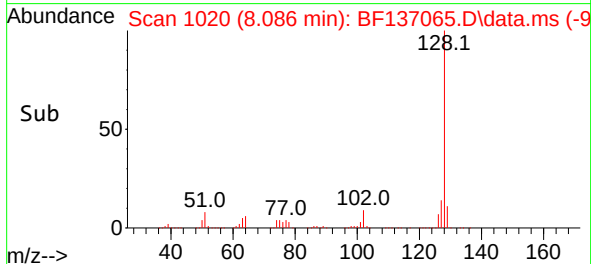
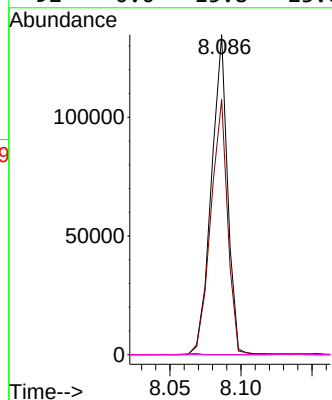
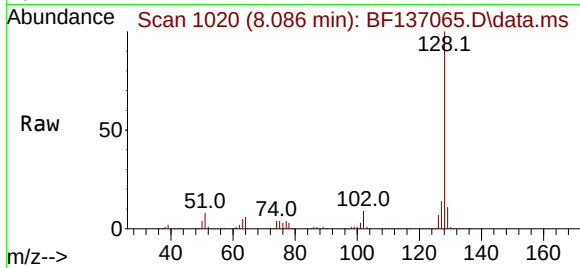




#33
4-Chloroaniline
Concen: 33.241 ng
RT: 8.086 min Scan# 1137
Delta R.T. -0.059 min
Lab File: BF137065.D
Acq: 15 Jan 2024 16:10

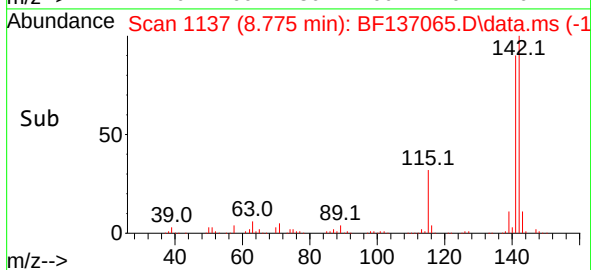
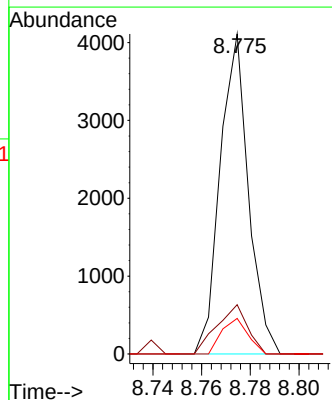
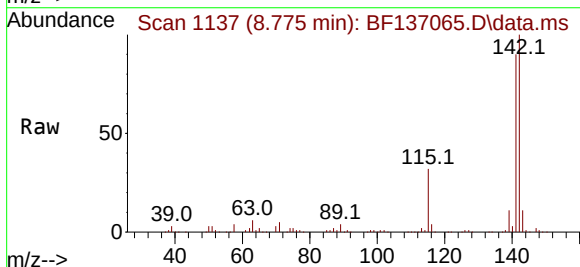
Instrument :
BNA_F
ClientSampleId :
360

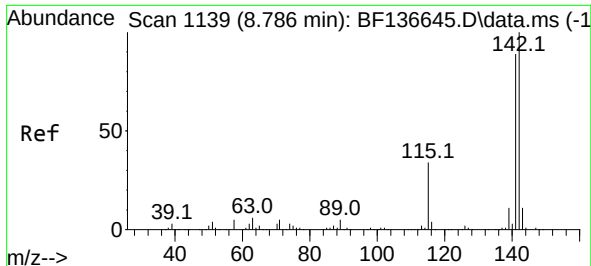
Tgt Ion:127	Resp: 107333
Ion Ratio	Lower Upper
127	100
129	79.8 26.3 39.5#
65	0.0 25.8 38.8#
92	0.0 15.8 23.6#



#35
Caprolactam
Concen: 4.300 ng
RT: 8.775 min Scan# 1137
Delta R.T. 0.253 min
Lab File: BF137065.D
Acq: 15 Jan 2024 16:10

Tgt Ion:113	Resp: 3315
Ion Ratio	Lower Upper
113	100
55	15.4 163.1 203.1#
56	11.1 121.7 161.7#

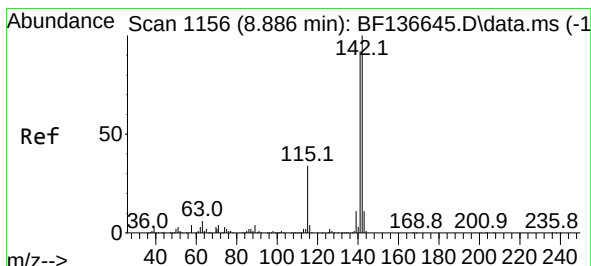
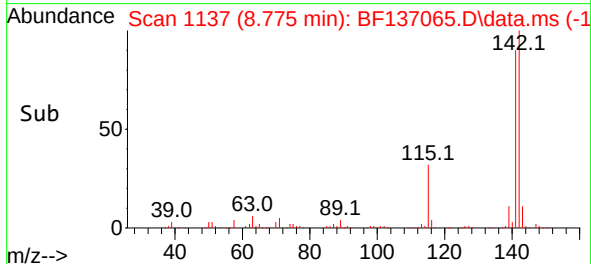
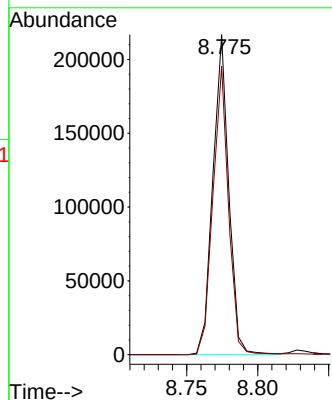
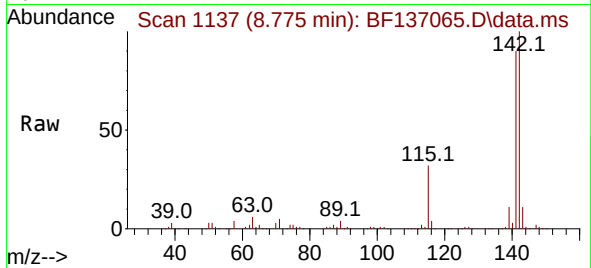




#37
2-Methylnaphthalene
Concen: 30.086 ng
RT: 8.775 min Scan# 1137
Delta R.T. -0.012 min
Lab File: BF137065.D
Acq: 15 Jan 2024 16:10

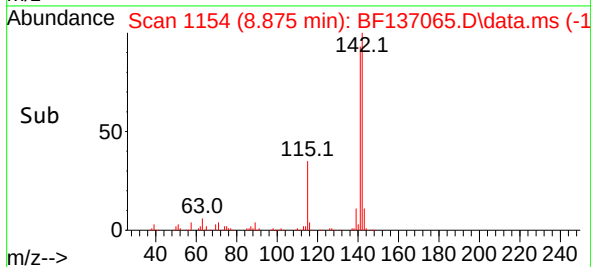
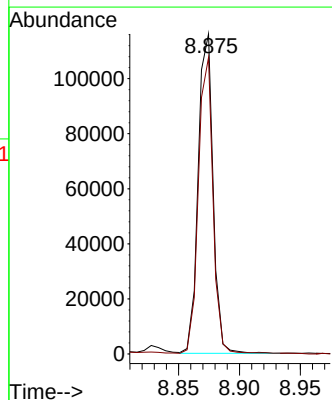
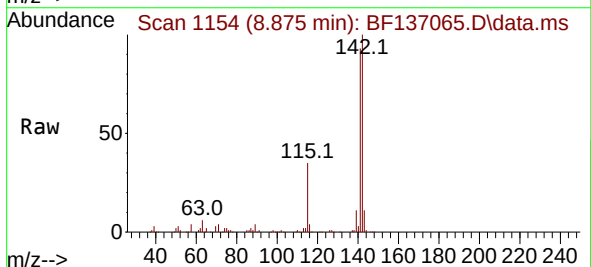
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BNA_F
ClientSampleId :
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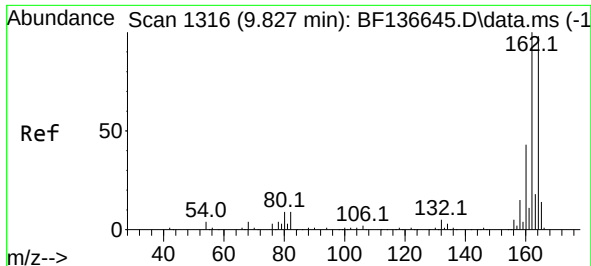
Tgt Ion:142 Resp: 169335
Ion Ratio Lower Upper
142 100
141 90.1 71.1 106.7



#38
1-Methylnaphthalene
Concen: 17.885 ng
RT: 8.875 min Scan# 1154
Delta R.T. -0.012 min
Lab File: BF137065.D
Acq: 15 Jan 2024 16:10

Tgt Ion:142 Resp: 98758
Ion Ratio Lower Upper
142 100
141 92.6 73.6 110.4

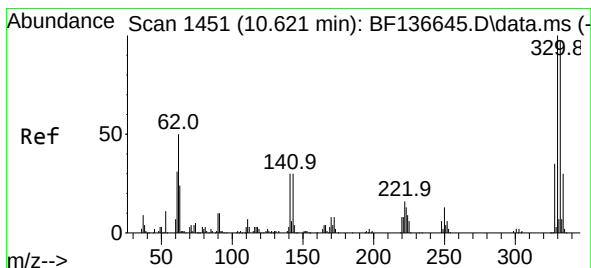
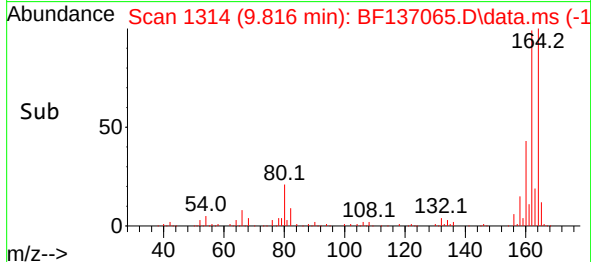
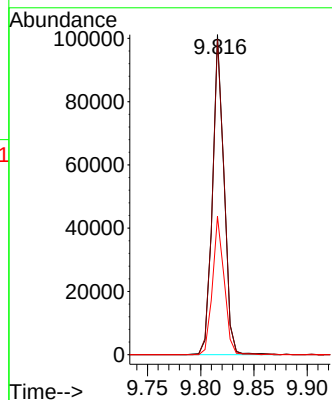
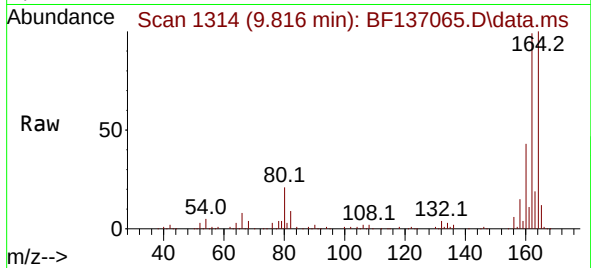




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF137065.D
Acq: 15 Jan 2024 16:10

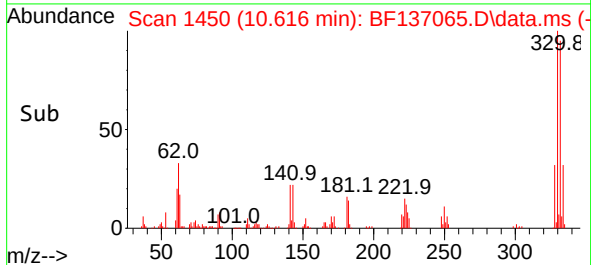
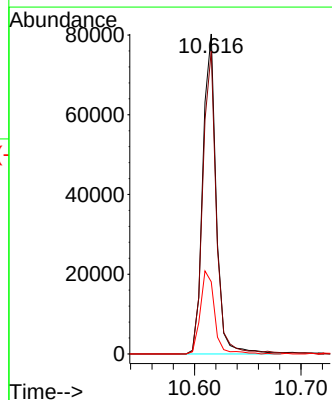
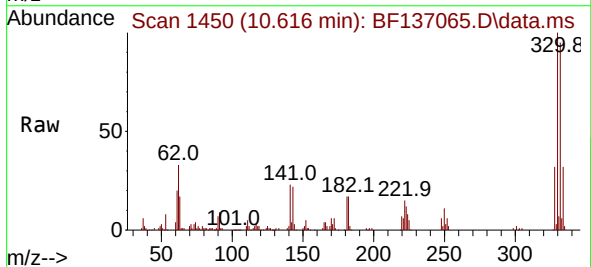
Instrument :
BNA_F
ClientSampleId :
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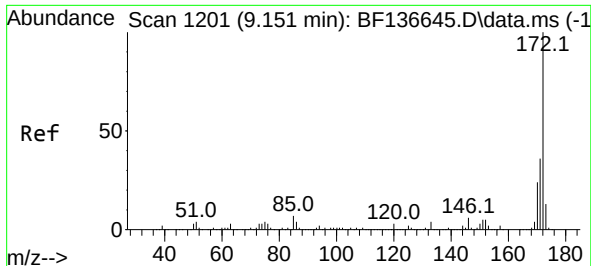
Tgt Ion:164 Resp: 76070
Ion Ratio Lower Upper
164 100
162 98.7 81.6 122.4
160 43.2 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 78.490 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF137065.D
Acq: 15 Jan 2024 16:10

Tgt Ion:330 Resp: 70319
Ion Ratio Lower Upper
330 100
332 95.6 77.4 116.0
141 27.6 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 53.215 ng

RT: 9.133 min Scan# 1198

Delta R.T. -0.018 min

Lab File: BF137065.D

Acq: 15 Jan 2024 16:10

Instrument :

BNA_F

ClientSampleId :

360

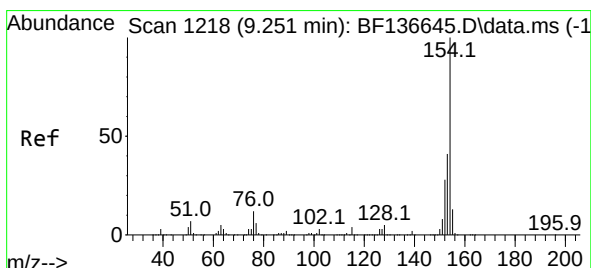
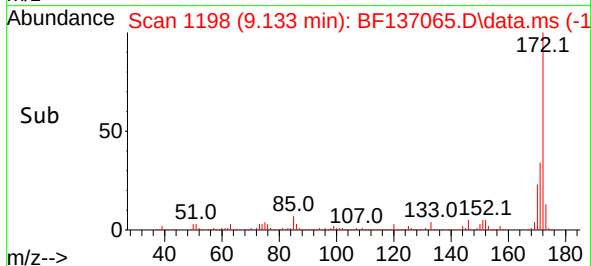
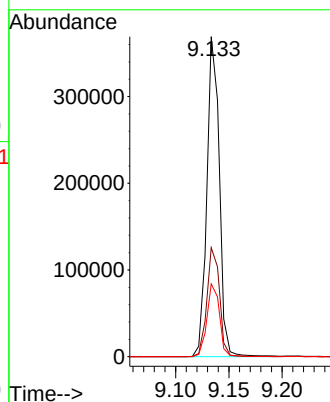
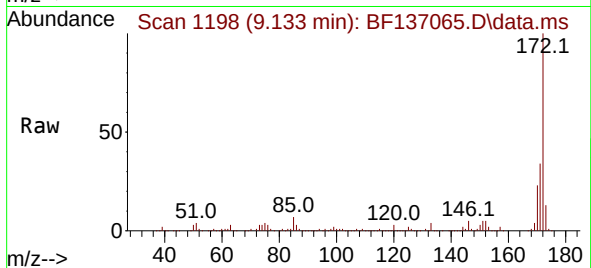
Tgt Ion:172 Resp: 300976

Ion Ratio Lower Upper

172 100

171 34.1 29.0 43.6

170 22.8 19.0 28.4



#46

1,1'-Biphenyl

Concen: 7.293 ng

RT: 9.239 min Scan# 1216

Delta R.T. -0.012 min

Lab File: BF137065.D

Acq: 15 Jan 2024 16:10

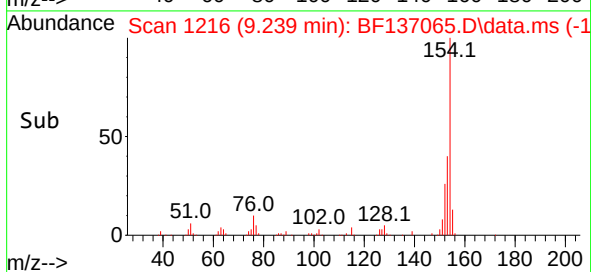
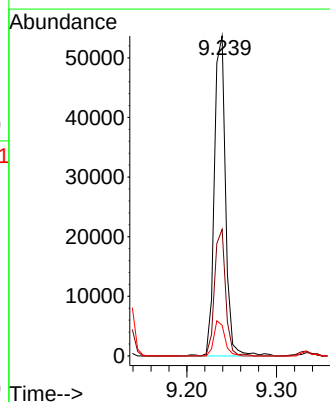
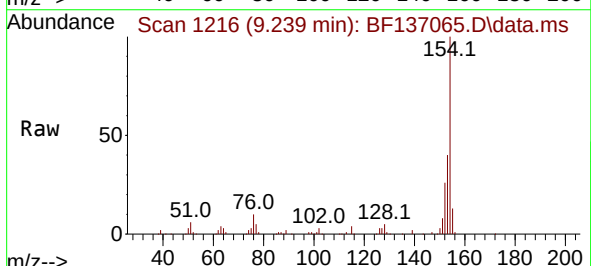
Tgt Ion:154 Resp: 46557

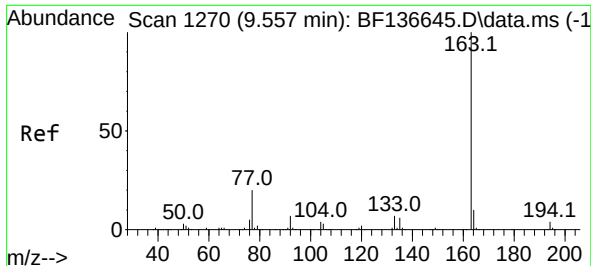
Ion Ratio Lower Upper

154 100

153 39.5 21.1 61.1

76 9.6 0.0 31.7

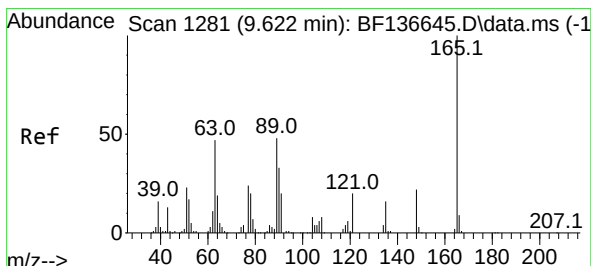
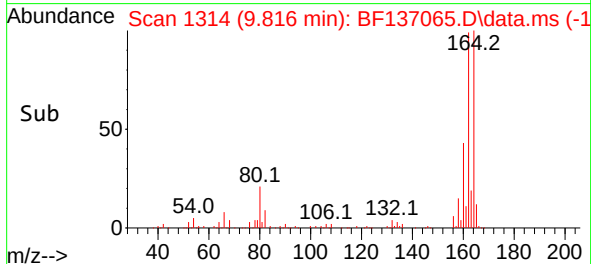
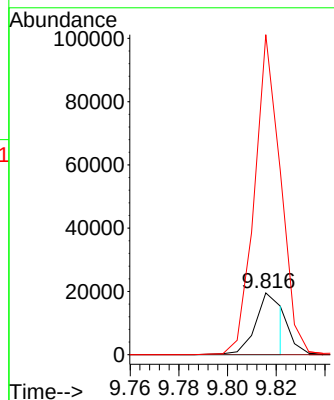
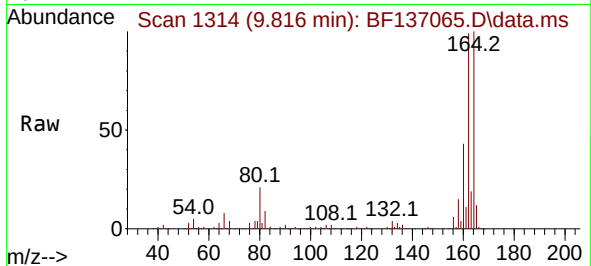




#50
Dimethylphthalate
Concen: 2.689 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF137065.D
Acq: 15 Jan 2024 16:10

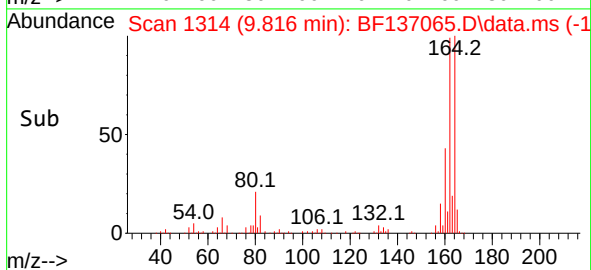
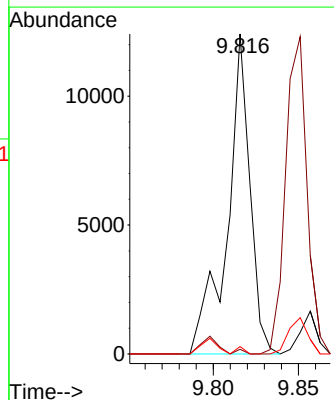
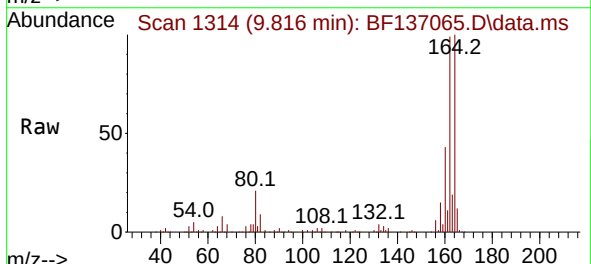
Instrument :
BNA_F
ClientSampleId :
360

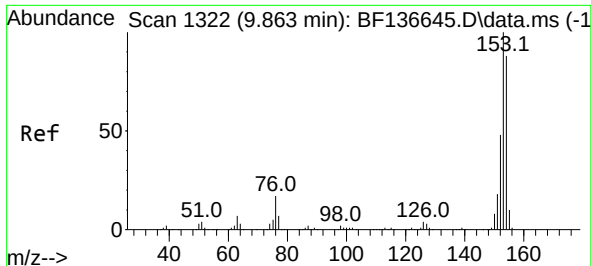
Tgt Ion:163 Resp: 14942
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 518.1 7.8 11.6#



#51
2,6-Dinitrotoluene
Concen: 9.101 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.194 min
Lab File: BF137065.D
Acq: 15 Jan 2024 16:10

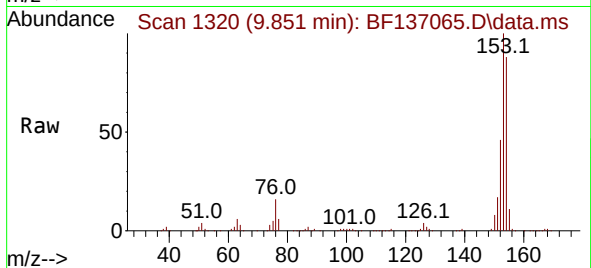
Tgt Ion:165 Resp: 11476
Ion Ratio Lower Upper
165 100
63 1.4 39.8 59.6#
89 2.3 38.8 58.2#



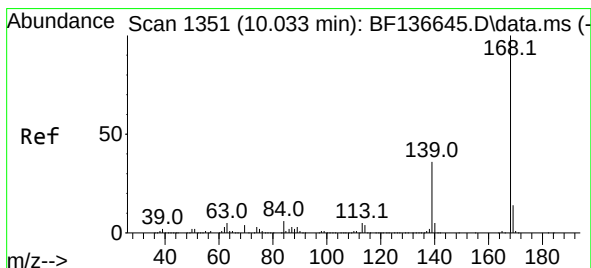
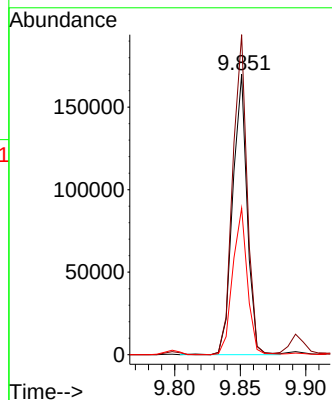
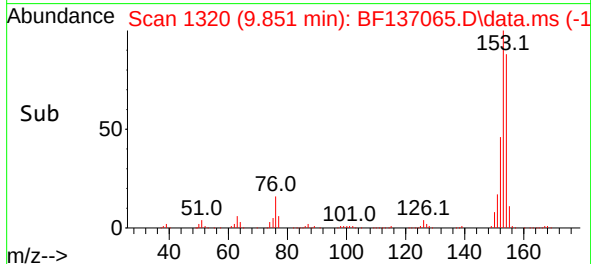


#52
Acenaphthene
Concen: 28.360 ng
RT: 9.851 min Scan# 1320
Delta R.T. -0.012 min
Lab File: BF137065.D
Acq: 15 Jan 2024 16:10

Instrument :
BNA_F
ClientSampleId :
360

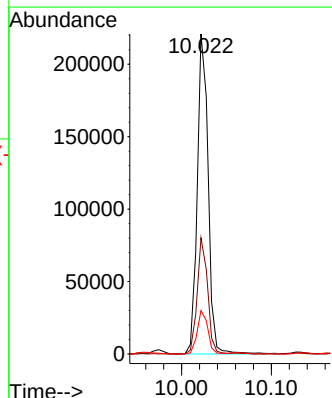
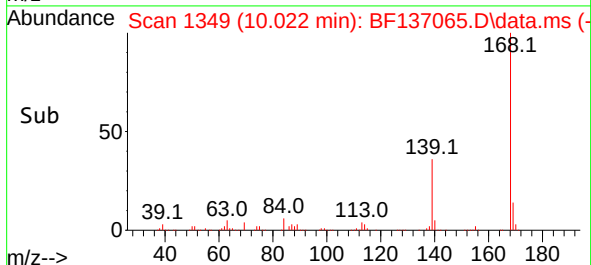
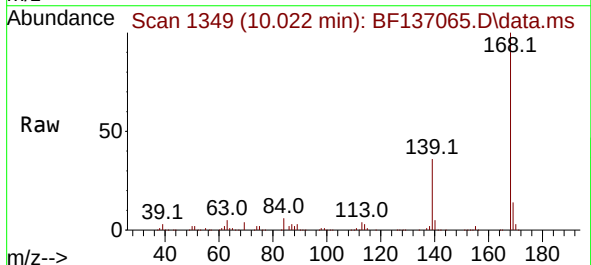


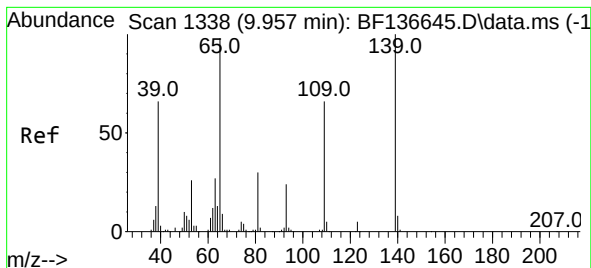
Tgt Ion:154 Resp: 130396
Ion Ratio Lower Upper
154 100
153 114.2 90.7 136.1
152 52.3 43.7 65.5



#55
Dibenzofuran
Concen: 26.700 ng
RT: 10.022 min Scan# 1349
Delta R.T. -0.012 min
Lab File: BF137065.D
Acq: 15 Jan 2024 16:10

Tgt Ion:168 Resp: 186095
Ion Ratio Lower Upper
168 100
139 36.3 29.3 43.9
169 13.6 11.0 16.4





#56

4-Nitrophenol

Concen: 72.553 ng

RT: 10.022 min Scan# 11

Delta R.T. 0.065 min

Lab File: BF137065.D

Acq: 15 Jan 2024 16:10

Instrument :

BNA_F

ClientSampleId :

360

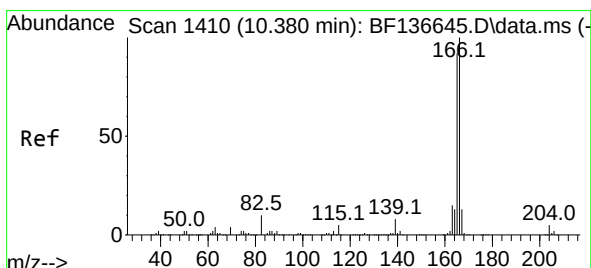
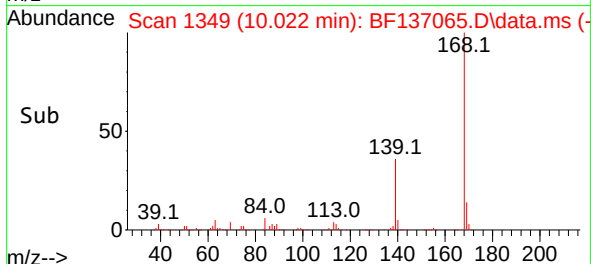
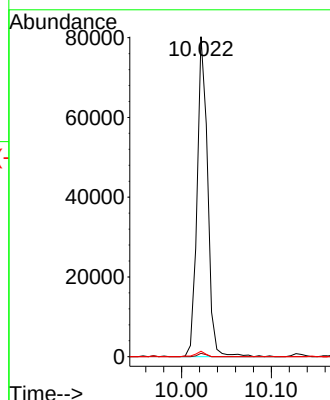
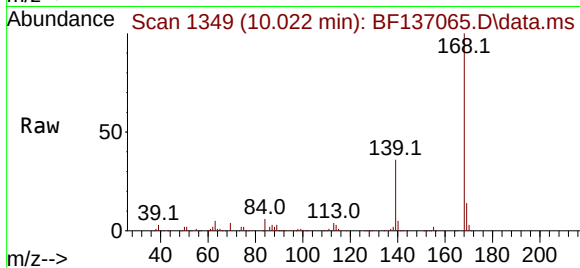
Tgt Ion:139 Resp: 65425

Ion Ratio Lower Upper

139 100

109 1.0 45.8 85.8#

65 1.7 77.8 117.8#



#58

Fluorene

Concen: 23.455 ng

RT: 10.369 min Scan# 1408

Delta R.T. -0.012 min

Lab File: BF137065.D

Acq: 15 Jan 2024 16:10

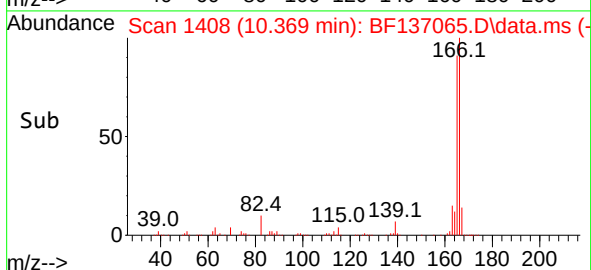
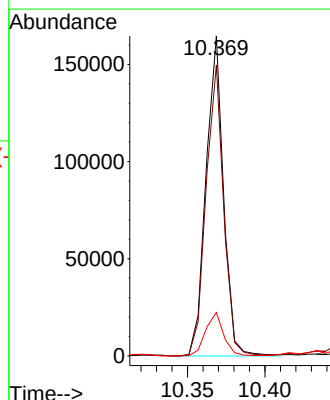
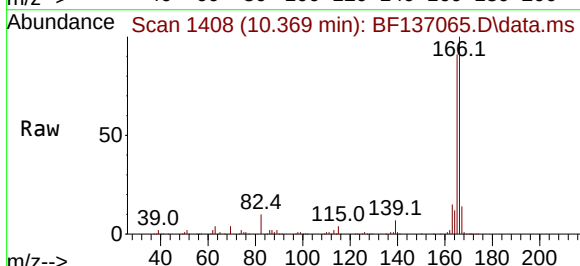
Tgt Ion:166 Resp: 129711

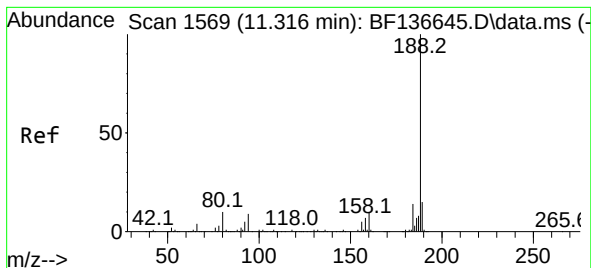
Ion Ratio Lower Upper

166 100

165 90.9 73.7 110.5

167 13.6 10.4 15.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF137065.D

Acq: 15 Jan 2024 16:10

Instrument :

BNA_F

ClientSampleId :

360

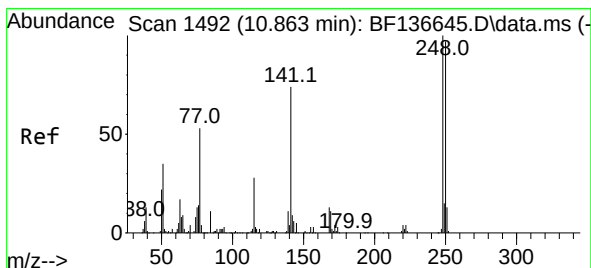
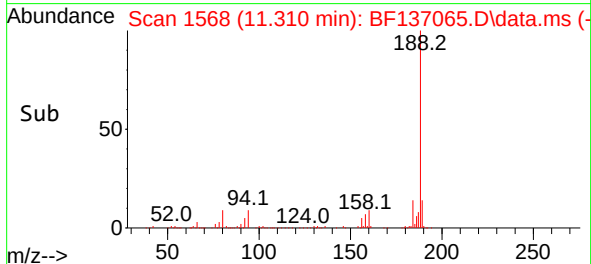
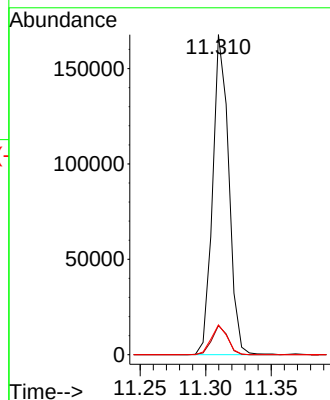
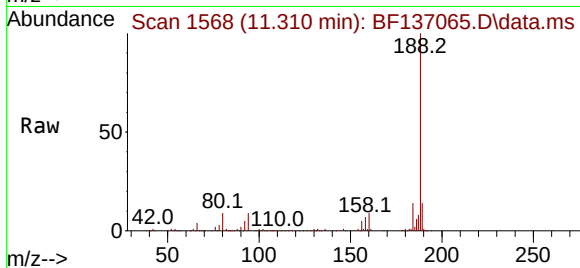
Tgt Ion:188 Resp: 143209

Ion Ratio Lower Upper

188 100

94 9.1 7.5 11.3

80 9.3 8.1 12.1



#67

4-Bromophenyl-phenylether

Concen: 2.732 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.247 min

Lab File: BF137065.D

Acq: 15 Jan 2024 16:10

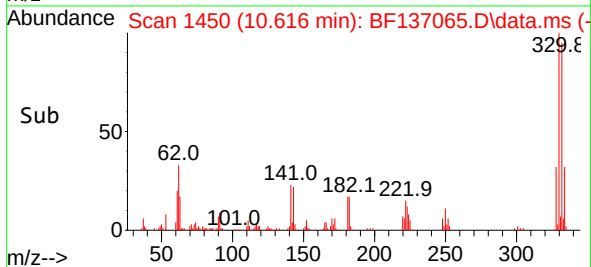
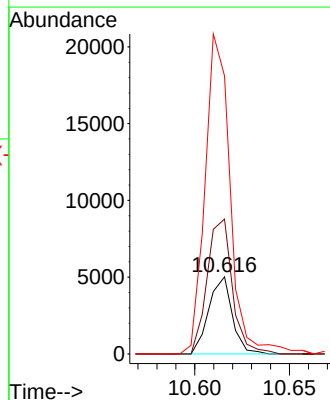
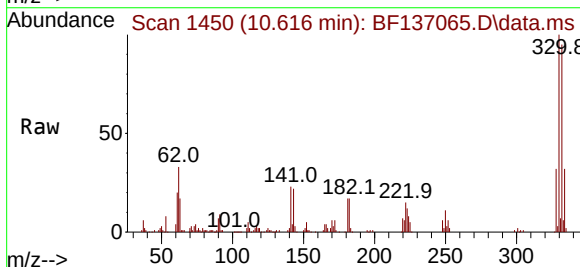
Tgt Ion:248 Resp: 4345

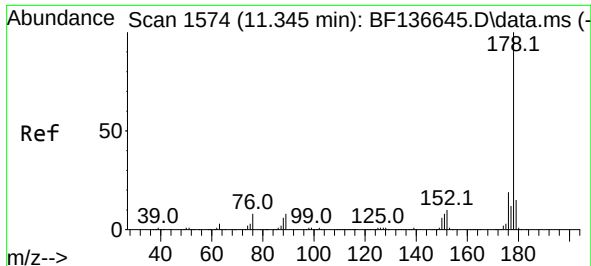
Ion Ratio Lower Upper

248 100

250 174.8 77.8 116.6#

141 360.4 59.2 88.8#

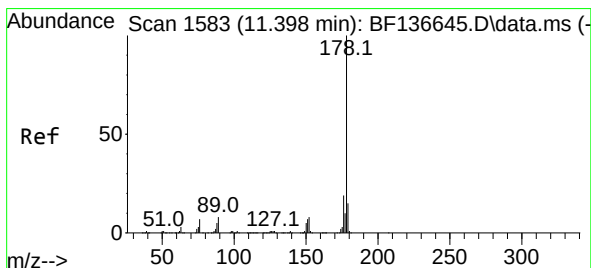
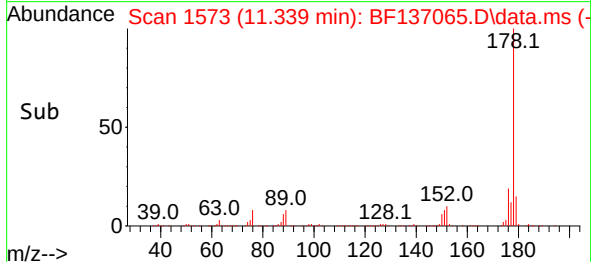
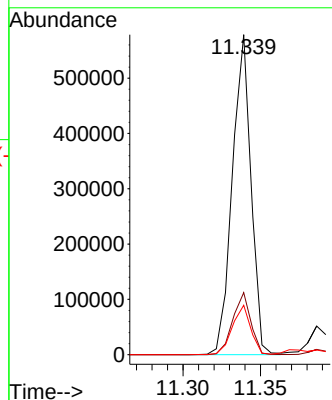
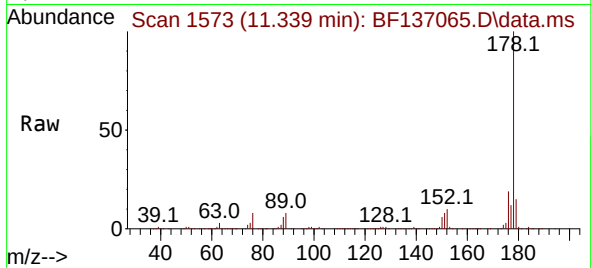




#71
Phenanthrene
Concen: 65.928 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF137065.D
Acq: 15 Jan 2024 16:10

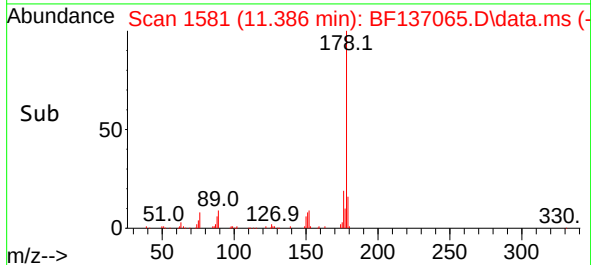
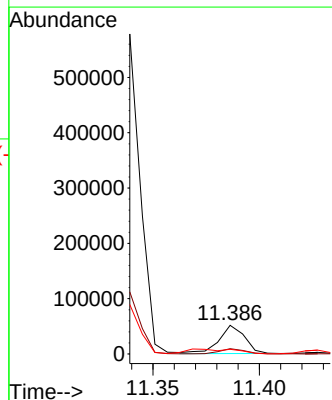
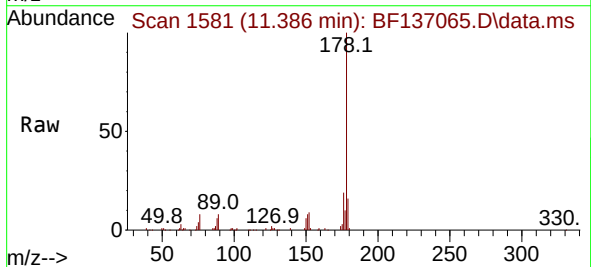
Instrument :
BNA_F
ClientSampleId :
360

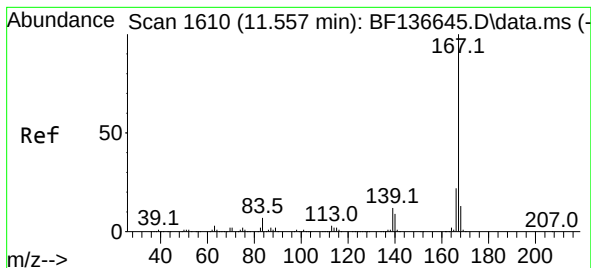
Tgt Ion:178 Resp: 484452
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 15.4 11.9 17.9



#72
Anthracene
Concen: 5.776 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF137065.D
Acq: 15 Jan 2024 16:10

Tgt Ion:178 Resp: 42986
Ion Ratio Lower Upper
178 100
176 18.7 14.9 22.3
179 15.9 11.8 17.6





#73

Carbazole

Concen: 8.174 ng

RT: 11.551 min Scan# 1609

Delta R.T. -0.006 min

Lab File: BF137065.D

Acq: 15 Jan 2024 16:10

Instrument :

BNA_F

ClientSampleId :

360

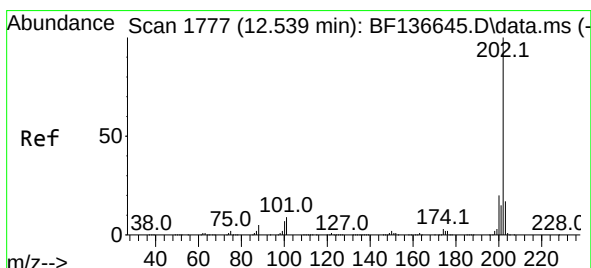
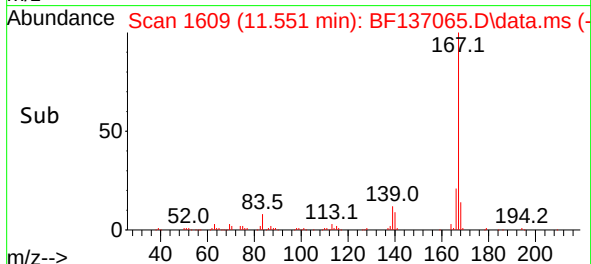
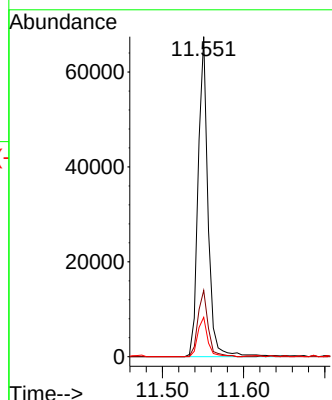
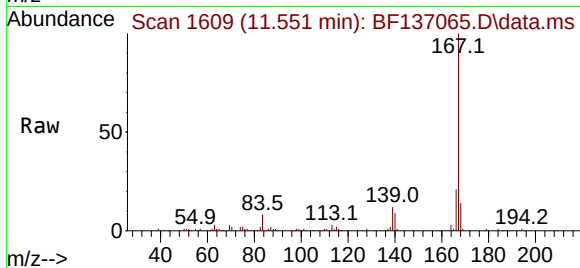
Tgt Ion:167 Resp: 57350

Ion Ratio Lower Upper

167 100

166 20.7 17.3 25.9

139 12.3 9.8 14.6



#75

Fluoranthene

Concen: 30.192 ng

RT: 12.533 min Scan# 1776

Delta R.T. -0.006 min

Lab File: BF137065.D

Acq: 15 Jan 2024 16:10

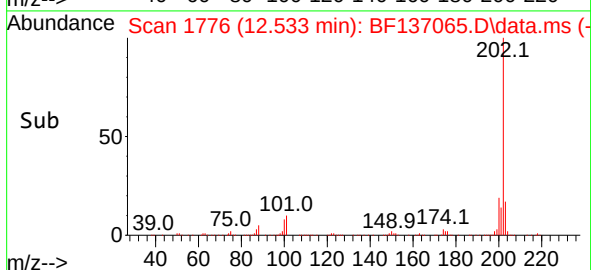
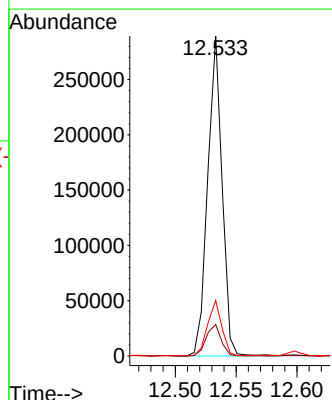
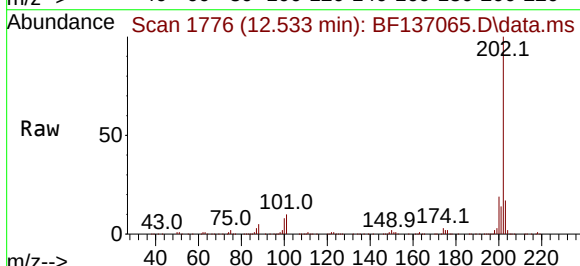
Tgt Ion:202 Resp: 237312

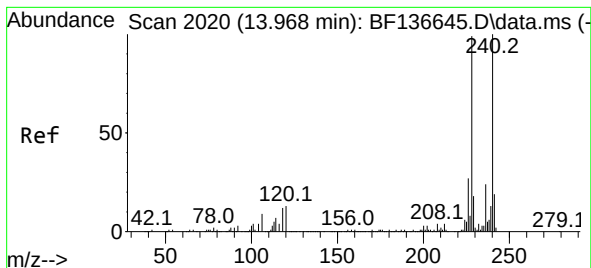
Ion Ratio Lower Upper

202 100

101 9.9 0.0 29.3

203 17.3 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF137065.D

Acq: 15 Jan 2024 16:10

Instrument :

BNA_F

ClientSampleId :

360

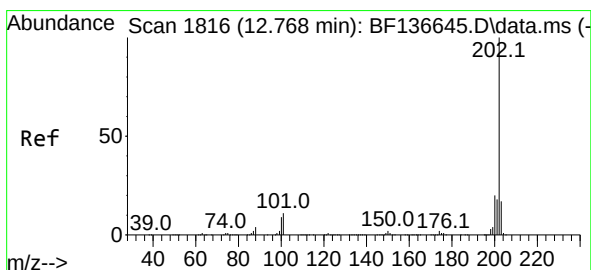
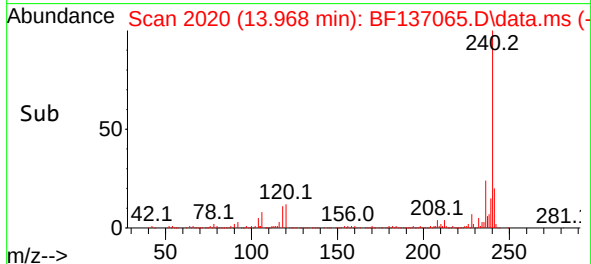
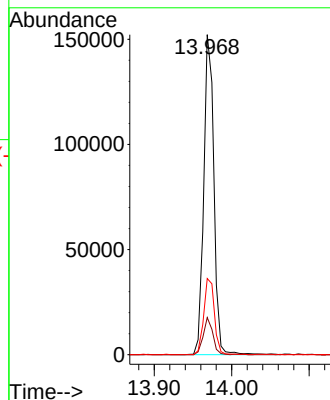
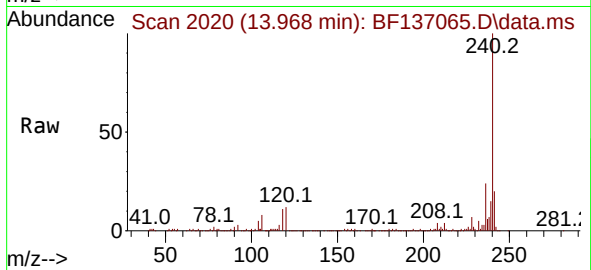
Tgt Ion:240 Resp: 138231

Ion Ratio Lower Upper

240 100

120 11.6 10.3 15.5

236 23.8 19.4 29.2



#78

Pyrene

Concen: 12.041 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF137065.D

Acq: 15 Jan 2024 16:10

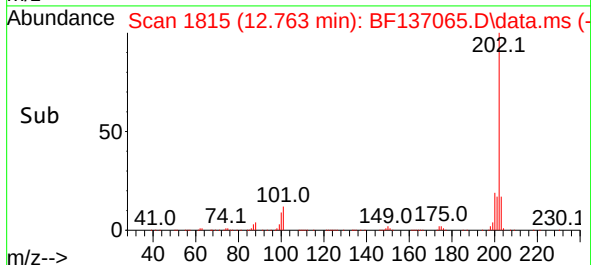
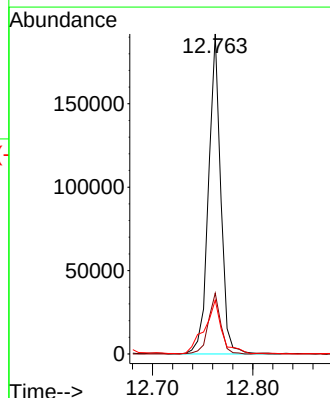
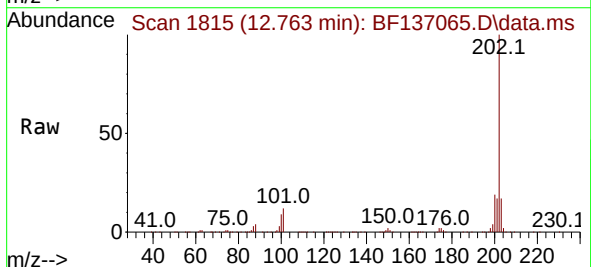
Tgt Ion:202 Resp: 163391

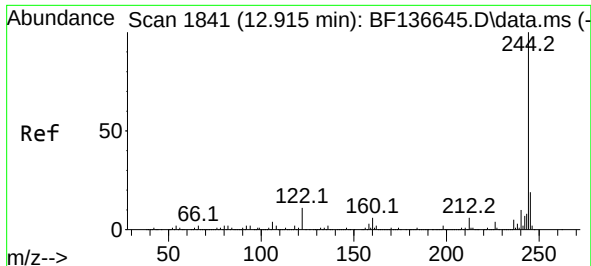
Ion Ratio Lower Upper

202 100

200 19.0 15.9 23.9

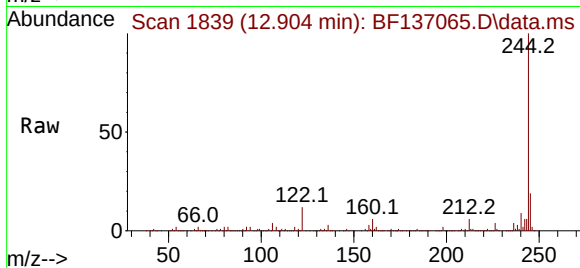
203 16.8 13.8 20.6



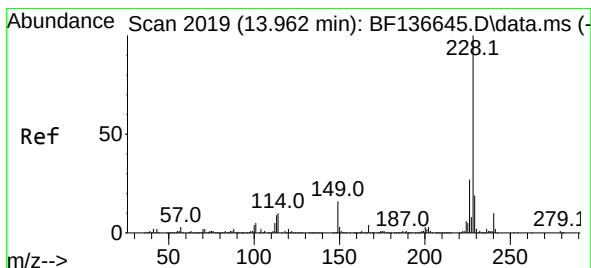
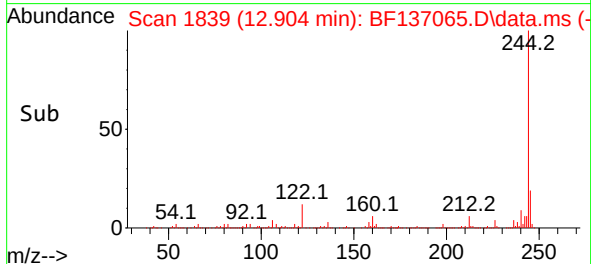
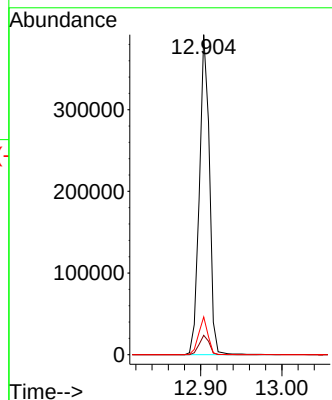


#79
 Terphenyl-d14
 Concen: 34.159 ng
 RT: 12.904 min Scan# 1839
 Delta R.T. -0.012 min
 Lab File: BF137065.D
 Acq: 15 Jan 2024 16:10

Instrument :
 BNA_F
 ClientSampleId :
 360

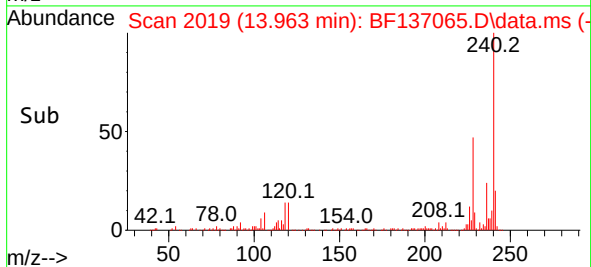
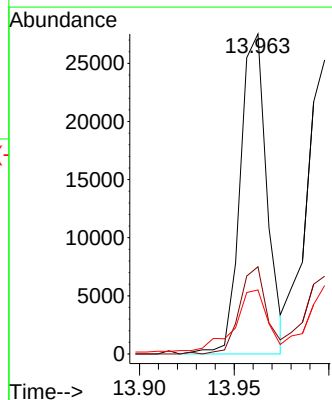
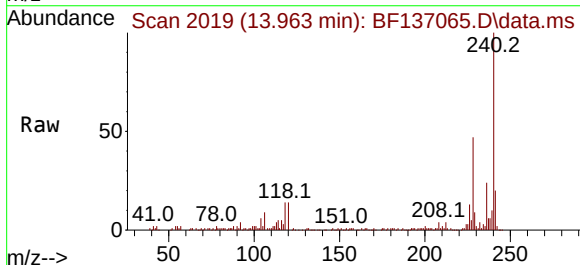


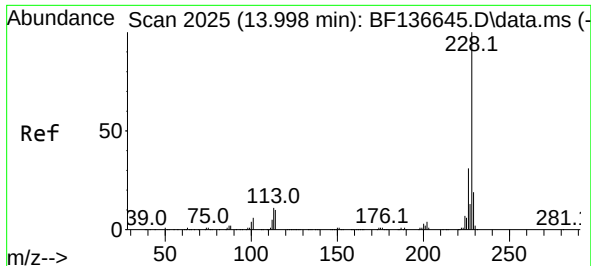
Tgt Ion:244 Resp: 337880
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.0 7.4
 122 11.8 9.0 13.4



#81
 Benzo(a)anthracene
 Concen: 2.818 ng
 RT: 13.963 min Scan# 2019
 Delta R.T. 0.000 min
 Lab File: BF137065.D
 Acq: 15 Jan 2024 16:10

Tgt Ion:228 Resp: 27048
 Ion Ratio Lower Upper
 228 100
 226 27.3 21.4 32.0
 229 20.0 14.9 22.3

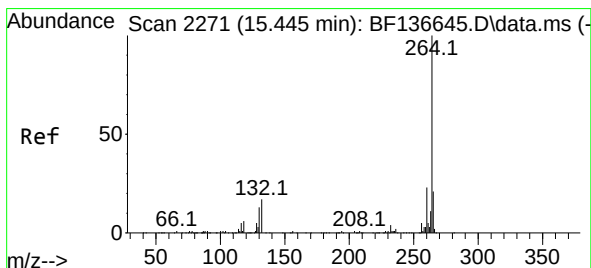
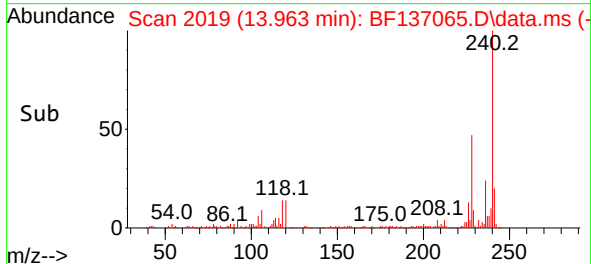
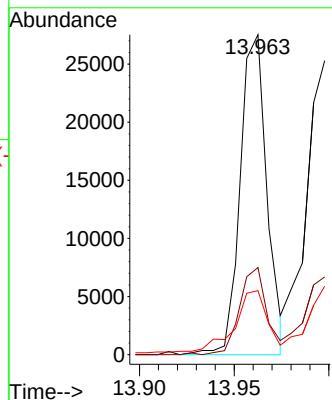
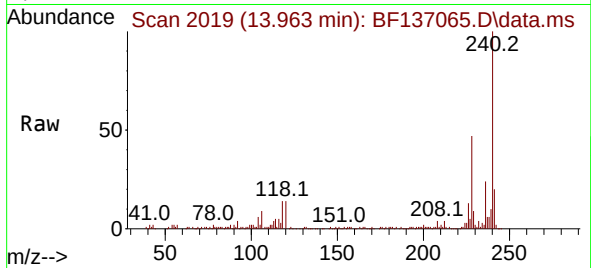




#83
Chrysene
Concen: 2.882 ng
RT: 13.963 min Scan# 20
Delta R.T. -0.035 min
Lab File: BF137065.D
Acq: 15 Jan 2024 16:10

Instrument :
BNA_F
ClientSampleId :
360

Tgt Ion:228 Resp: 27048
Ion Ratio Lower Upper
228 100
226 27.3 24.7 37.1
229 20.0 15.4 23.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.462 min Scan# 2274
Delta R.T. 0.018 min
Lab File: BF137065.D
Acq: 15 Jan 2024 16:10

Tgt Ion:264 Resp: 135573
Ion Ratio Lower Upper
264 100
260 23.5 18.3 27.5
265 20.9 17.0 25.6

