

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011524\
 Data File : BF137069.D
 Acq On : 15 Jan 2024 18:07
 Operator : CG\JU
 Sample : P1139-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MR-314-16-18

Quant Time: Jan 16 02:02:12 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)

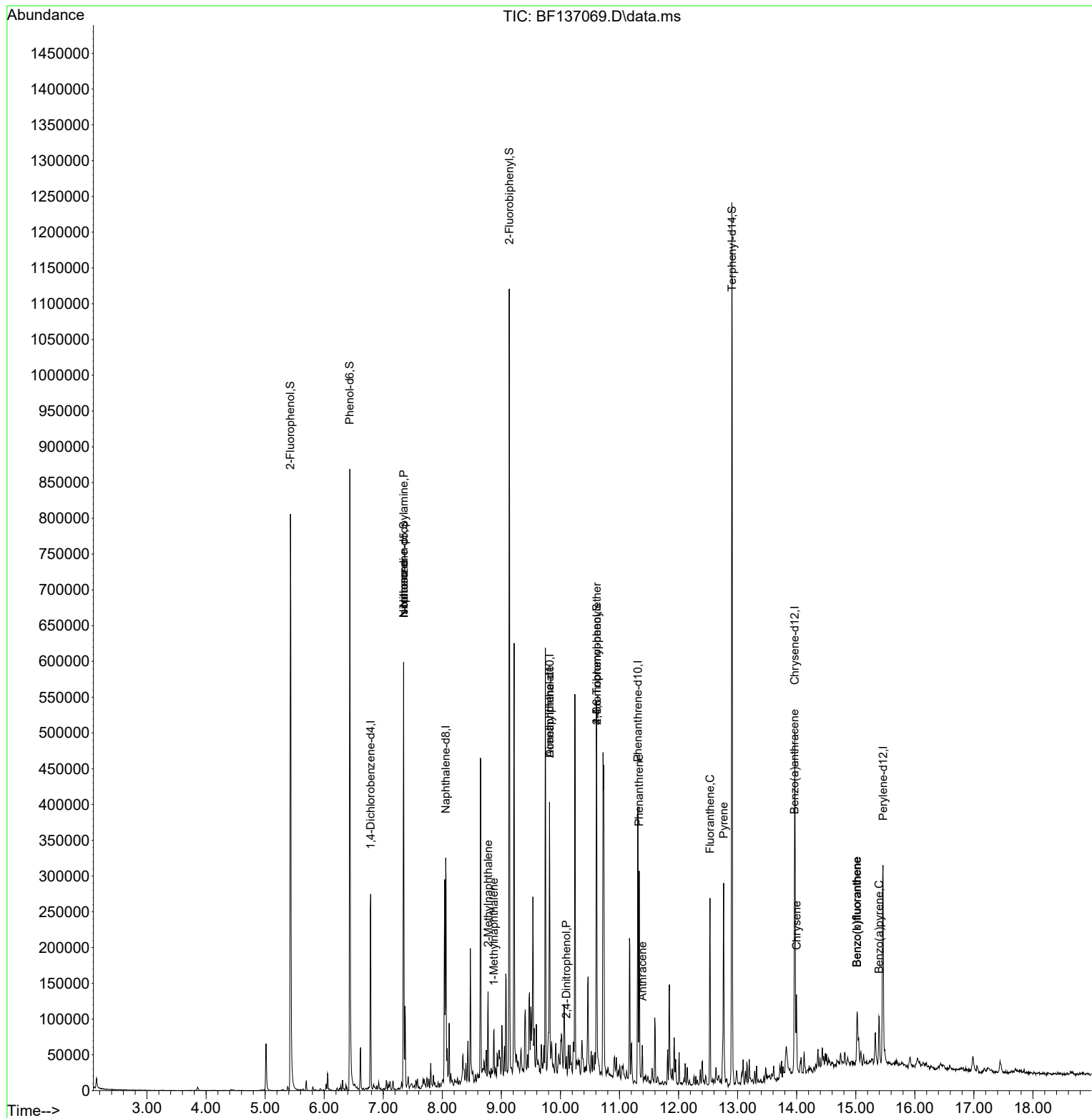
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	41070	20.000	ng	0.00
21) Naphthalene-d8	8.057	136	140634	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	67914	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	134125	20.000	ng	0.00
76) Chrysene-d12	13.968	240	136373	20.000	ng	0.00
86) Perylene-d12	15.462	264	133678	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	237746	90.322	ng	0.00
7) Phenol-d6	6.434	99	279976	82.087	ng	0.00
23) Nitrobenzene-d5	7.345	82	166425	60.555	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	68707	85.901	ng	0.00
45) 2-Fluorobiphenyl	9.133	172	324001	64.166	ng	-0.02
79) Terphenyl-d14	12.904	244	433240	44.396	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	20932	10.124	ng	# 71
25) Isophorone	7.345	82	166423	33.279	ng	# 65
37) 2-Methylnaphthalene	8.775	142	30972	6.229	ng	100
38) 1-Methylnaphthalene	8.875	142	18519	3.796	ng	93
50) Dimethylphthalate	9.816	163	13711	2.764	ng	# 1
54) 2,4-Dinitrophenol	10.098	184	435	4.400	ng	# 26
67) 4-Bromophenyl-phenylether	10.616	248	4017	2.697	ng	# 1
71) Phenanthrene	11.333	178	101144	14.697	ng	98
72) Anthracene	11.386	178	18195	2.611	ng	97
75) Fluoranthene	12.533	202	99241	13.481	ng	99
78) Pyrene	12.763	202	112018	8.367	ng	98
81) Benzo(a)anthracene	13.963	228	44689	4.719	ng	97
83) Chrysene	13.998	228	45252	4.887	ng	94
88) Benzo(b)fluoranthene	15.021	252	56631	6.343	ng	98
89) Benzo(k)fluoranthene	15.021	252	56631	6.713	ng	98
90) Benzo(a)pyrene	15.398	252	30932	4.104	ng	# 93

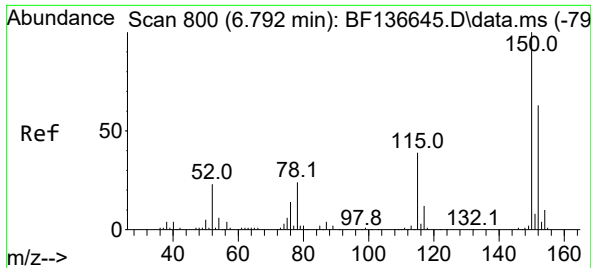
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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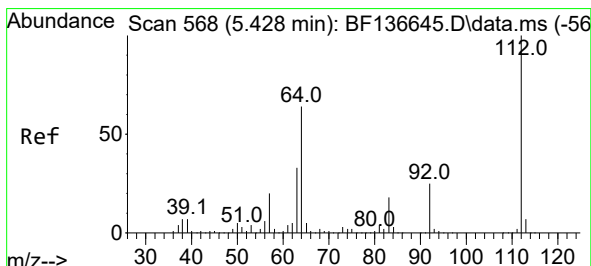
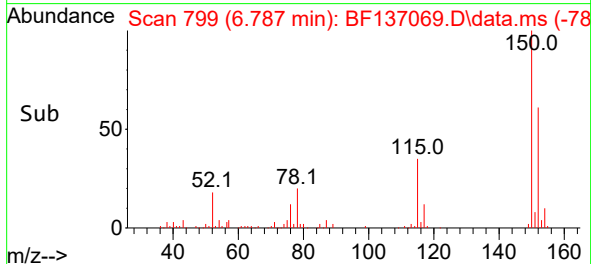
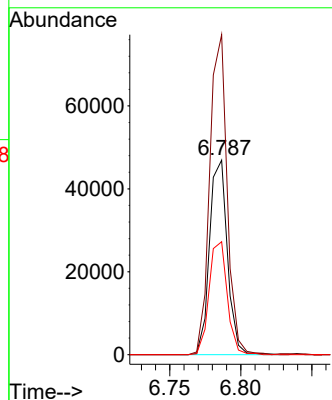
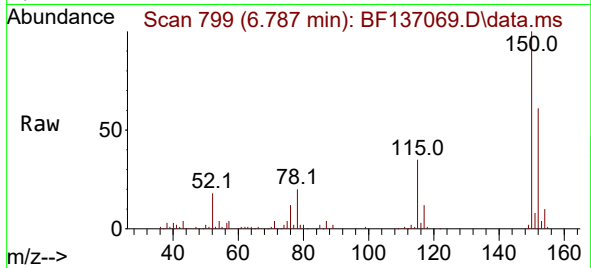




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 799
Delta R.T. -0.005 min
Lab File: BF137069.D
Acq: 15 Jan 2024 18:07

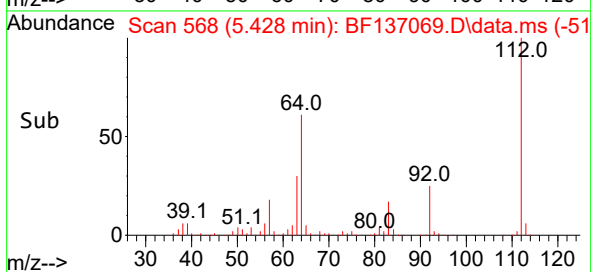
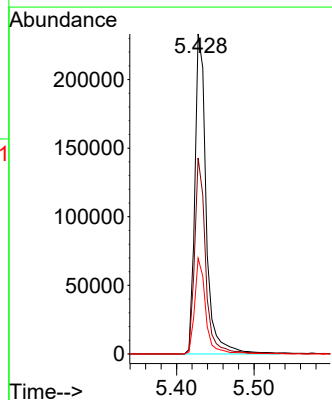
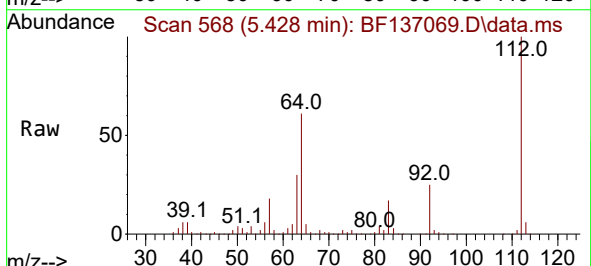
Instrument :
BNA_F
ClientSampleId :
MR-314-16-18

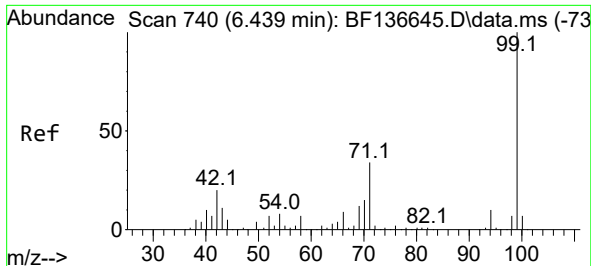
Tgt Ion:152 Resp: 41070
Ion Ratio Lower Upper
152 100
150 164.5 127.0 190.6
115 58.0 49.0 73.4



#5
2-Fluorophenol
Concen: 90.322 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF137069.D
Acq: 15 Jan 2024 18:07

Tgt Ion:112 Resp: 237746
Ion Ratio Lower Upper
112 100
64 61.3 51.1 76.7
63 29.9 26.1 39.1

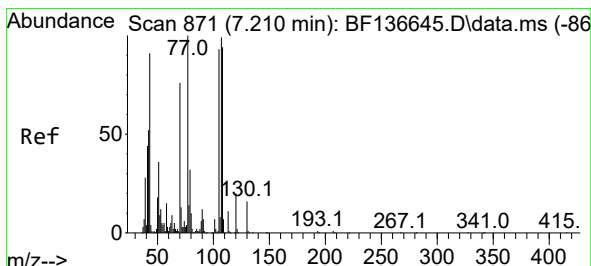
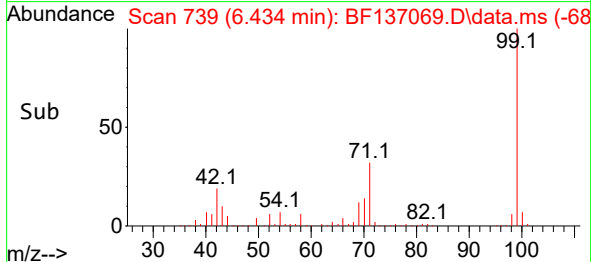
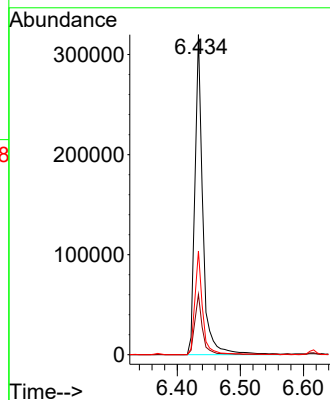
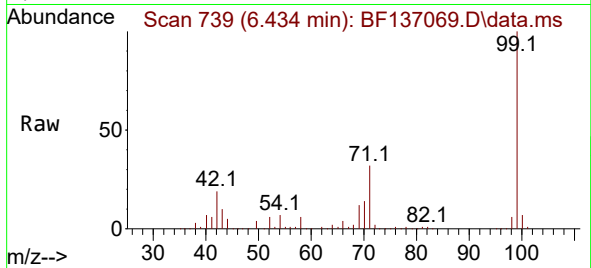




#7
Phenol-d6
Concen: 82.087 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137069.D
Acq: 15 Jan 2024 18:07

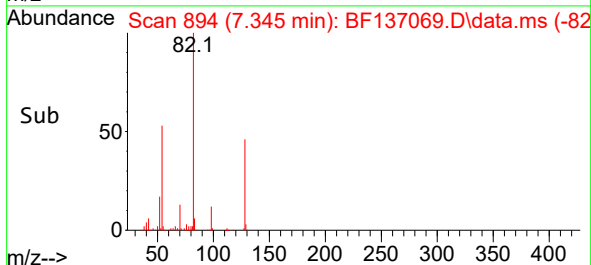
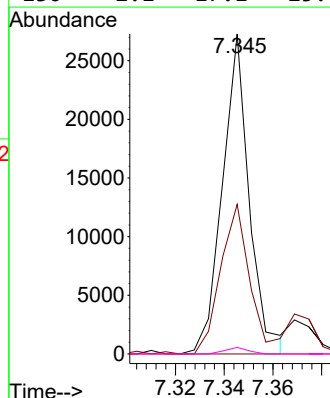
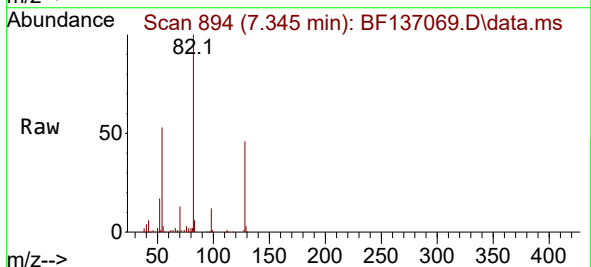
Instrument :
BNA_F
ClientSampleId :
MR-314-16-18

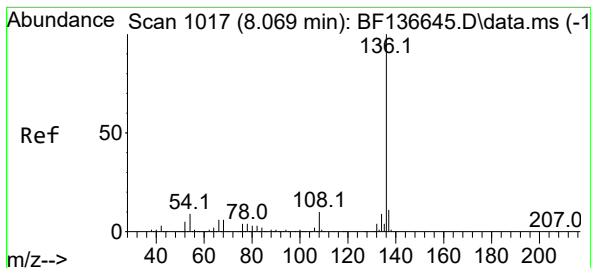
Tgt Ion: 99 Resp: 279976
Ion Ratio Lower Upper
99 100
42 18.8 16.1 24.1
71 32.4 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 10.124 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF137069.D
Acq: 15 Jan 2024 18:07

Tgt Ion: 70 Resp: 20932
Ion Ratio Lower Upper
70 100
42 46.8 54.2 81.4#
101 0.0 7.6 11.4#
130 2.1 17.1 25.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.057 min Scan# 1015

Delta R.T. -0.012 min

Lab File: BF137069.D

Acq: 15 Jan 2024 18:07

Instrument :

BNA_F

ClientSampleId :

MR-314-16-18

Tgt Ion:136 Resp: 140634

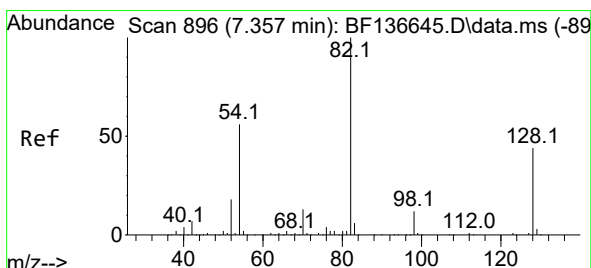
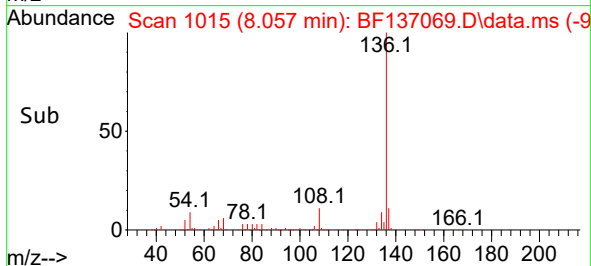
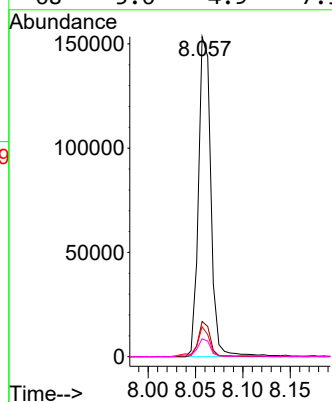
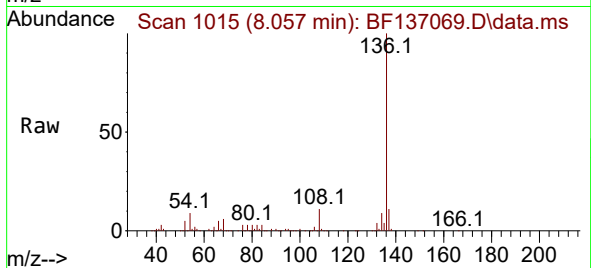
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 9.4 7.2 10.8

68 5.6 4.9 7.3



#23

Nitrobenzene-d5

Concen: 60.555 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF137069.D

Acq: 15 Jan 2024 18:07

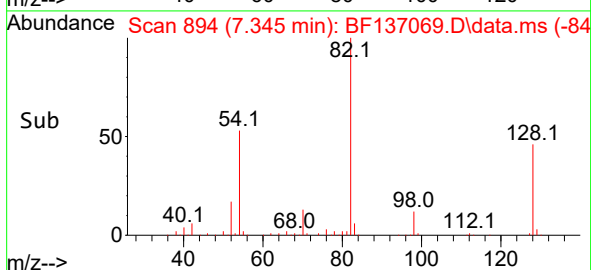
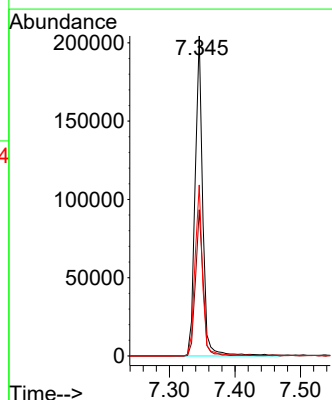
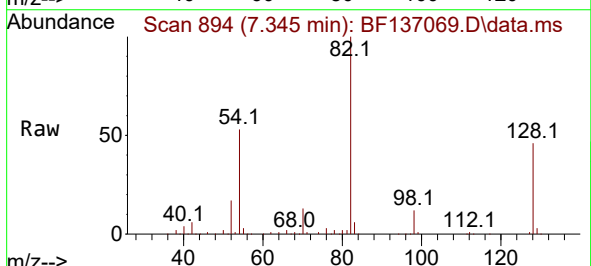
Tgt Ion: 82 Resp: 166425

Ion Ratio Lower Upper

82 100

128 45.7 35.3 52.9

54 53.4 44.5 66.7

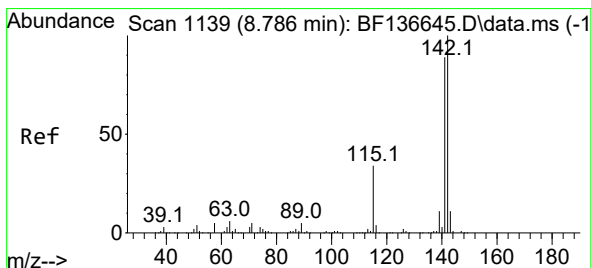
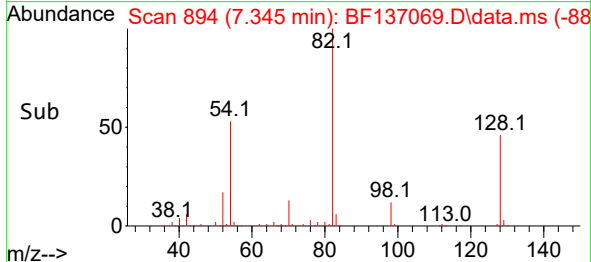
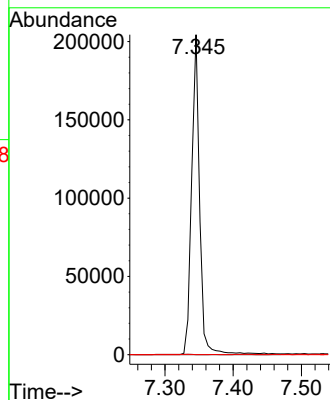
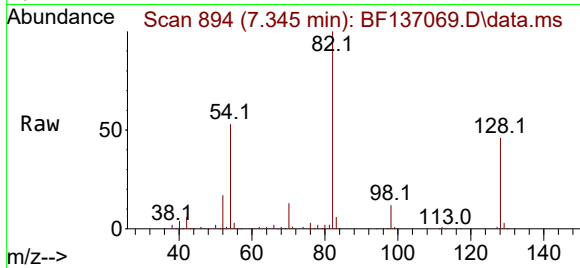




#25
Isophorone
Concen: 33.279 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.270 min
Lab File: BF137069.D
Acq: 15 Jan 2024 18:07

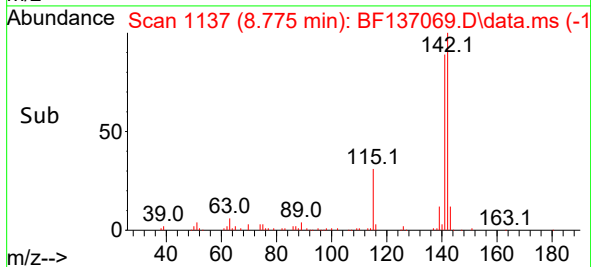
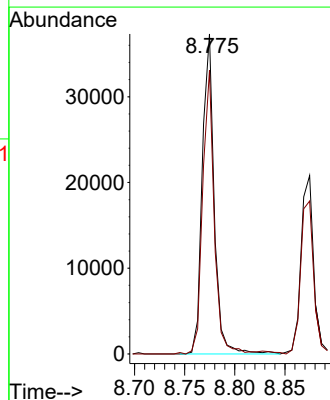
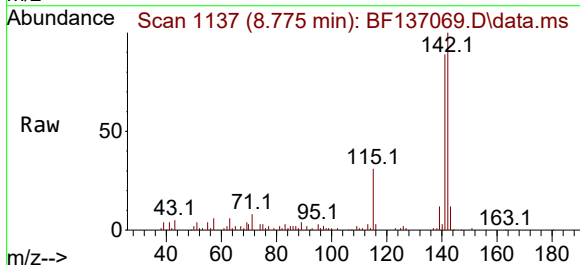
Instrument :
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ClientSampleId :
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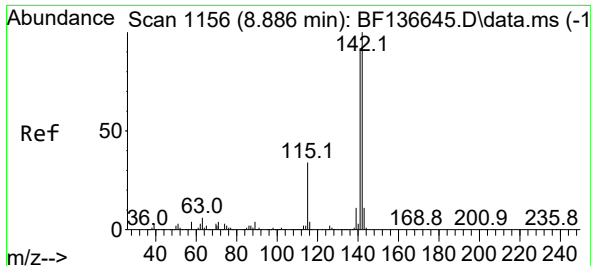
Tgt Ion: 82 Resp: 166423
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.5 21.7#



#37
2-Methylnaphthalene
Concen: 6.229 ng
RT: 8.775 min Scan# 1137
Delta R.T. -0.012 min
Lab File: BF137069.D
Acq: 15 Jan 2024 18:07

Tgt Ion: 142 Resp: 30972
Ion Ratio Lower Upper
142 100
141 88.6 71.1 106.7





#38

1-Methylnaphthalene

Concen: 3.796 ng

RT: 8.875 min Scan# 1156

Delta R.T. -0.012 min

Lab File: BF137069.D

Acq: 15 Jan 2024 18:07

Instrument :

BNA_F

ClientSampleId :

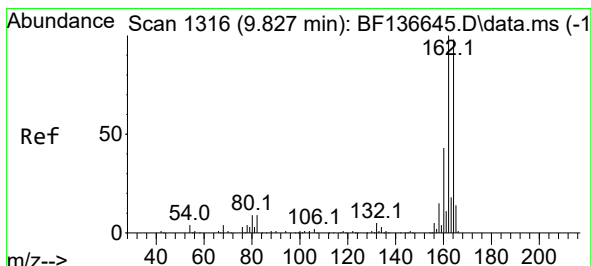
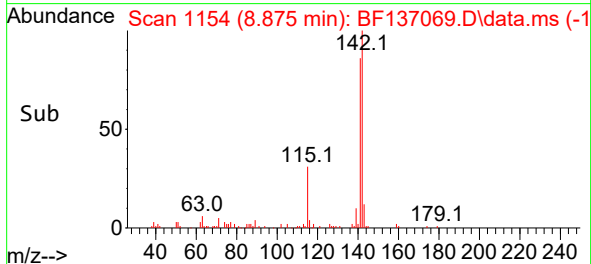
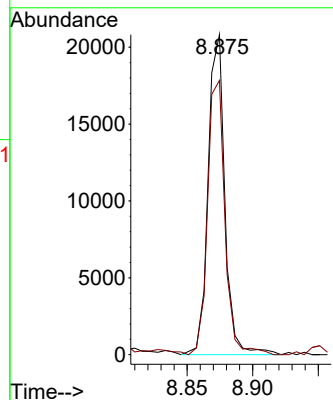
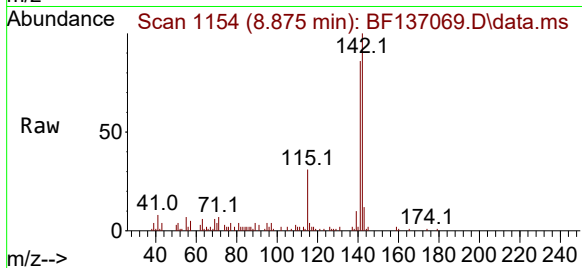
MR-314-16-18

Tgt Ion:142 Resp: 18519

Ion Ratio Lower Upper

142 100

141 85.7 73.6 110.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 1314

Delta R.T. -0.012 min

Lab File: BF137069.D

Acq: 15 Jan 2024 18:07

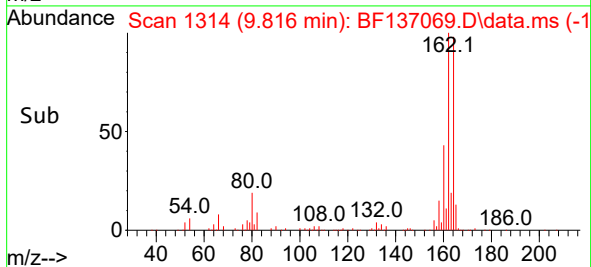
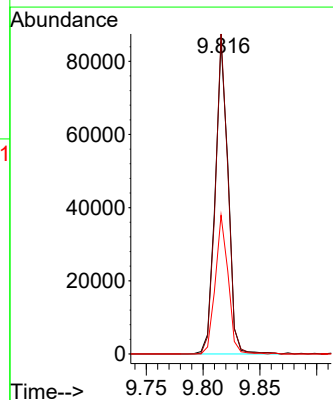
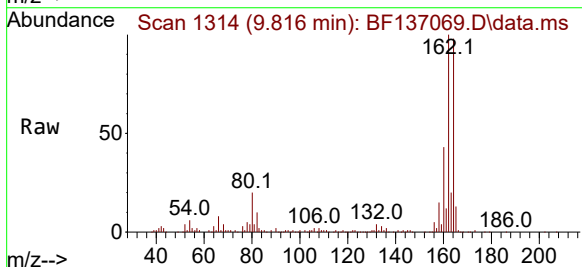
Tgt Ion:164 Resp: 67914

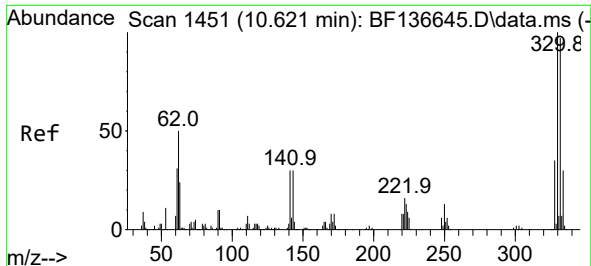
Ion Ratio Lower Upper

164 100

162 102.4 81.6 122.4

160 44.4 34.9 52.3

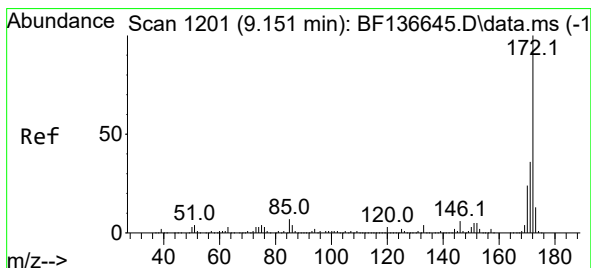
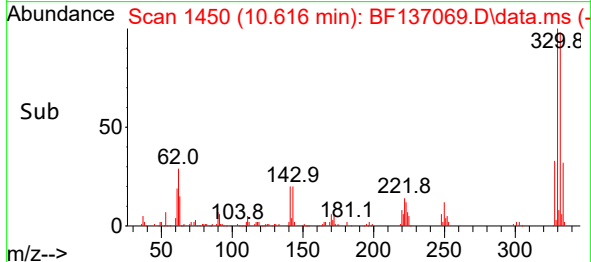
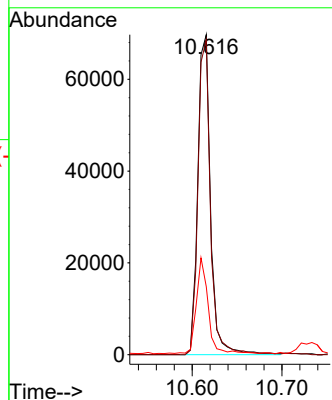
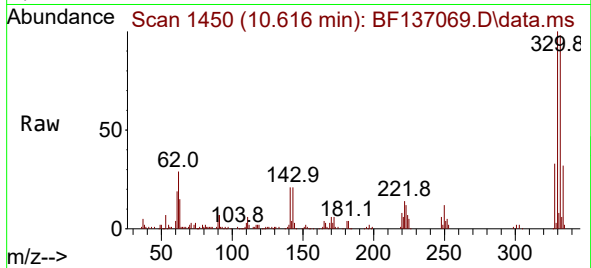




#42
2,4,6-Tribromophenol
Concen: 85.901 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF137069.D
Acq: 15 Jan 2024 18:07

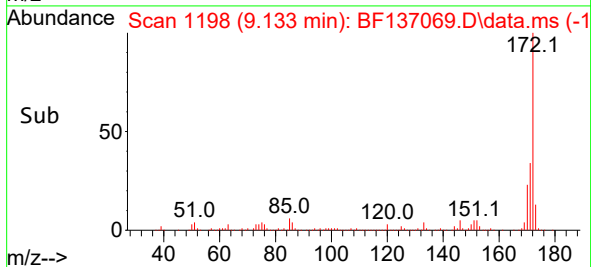
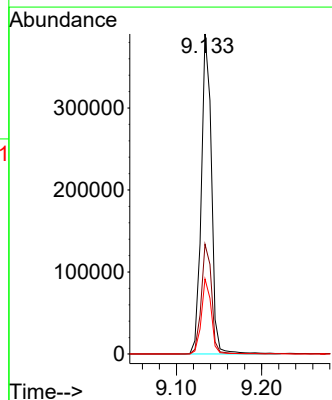
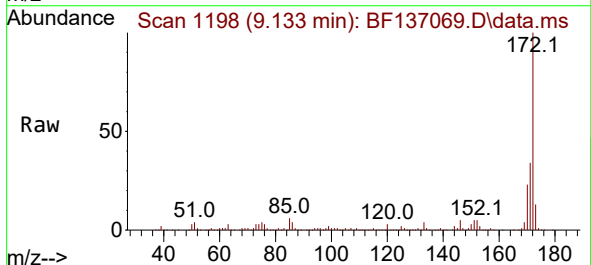
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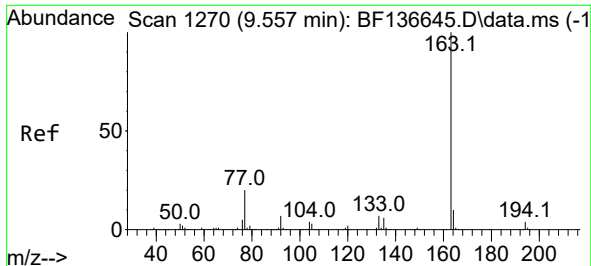
Tgt Ion:330 Resp: 68707
Ion Ratio Lower Upper
330 100
332 96.5 77.4 116.0
141 27.9 23.4 35.2



#45
2-Fluorobiphenyl
Concen: 64.166 ng
RT: 9.133 min Scan# 1198
Delta R.T. -0.018 min
Lab File: BF137069.D
Acq: 15 Jan 2024 18:07

Tgt Ion:172 Resp: 324001
Ion Ratio Lower Upper
172 100
171 34.3 29.0 43.6
170 23.4 19.0 28.4

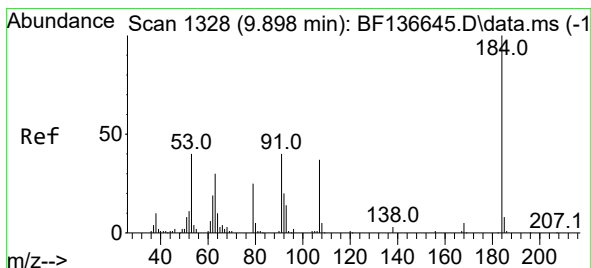
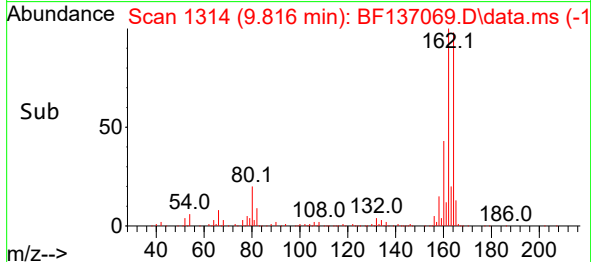
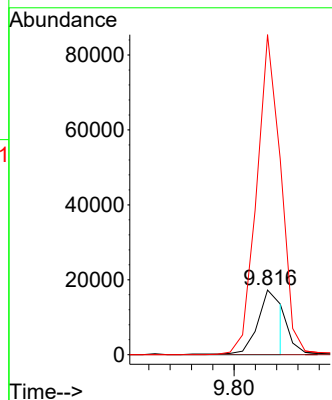
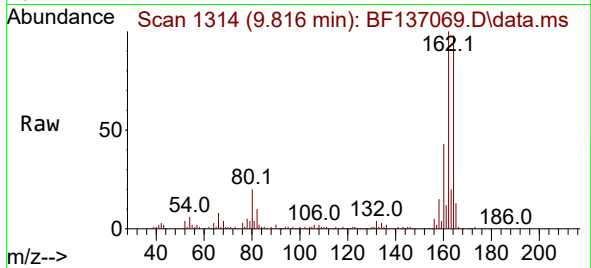




#50
Dimethylphthalate
Concen: 2.764 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF137069.D
Acq: 15 Jan 2024 18:07

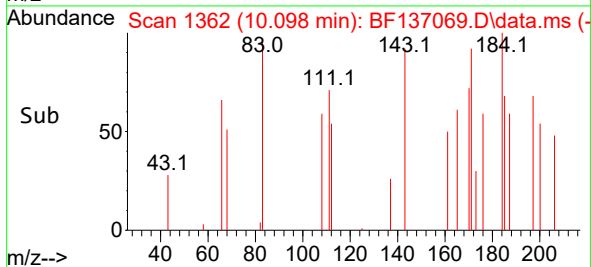
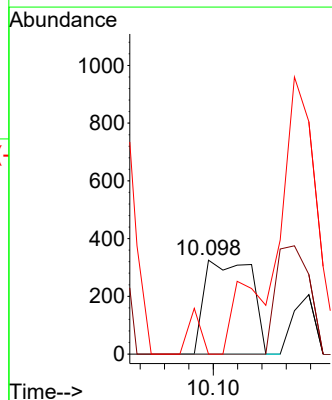
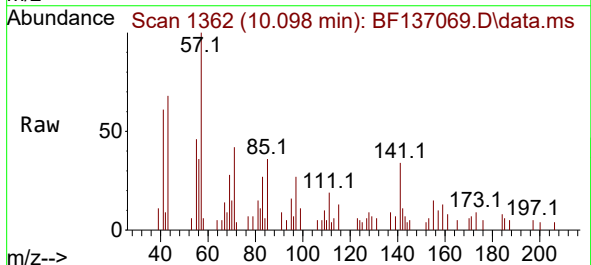
Instrument :
BNA_F
ClientSampleId :
MR-314-16-18

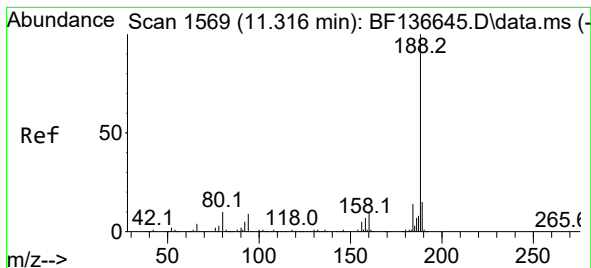
Tgt Ion:163 Resp: 13711
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 494.8 7.8 11.6#



#54
2,4-Dinitrophenol
Concen: 4.400 ng
RT: 10.098 min Scan# 1362
Delta R.T. 0.200 min
Lab File: BF137069.D
Acq: 15 Jan 2024 18:07

Tgt Ion:184 Resp: 435
Ion Ratio Lower Upper
184 100
63 0.0 40.9 61.3#
154 0.0 42.7 64.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF137069.D

Acq: 15 Jan 2024 18:07

Instrument :

BNA_F

ClientSampleId :

MR-314-16-18

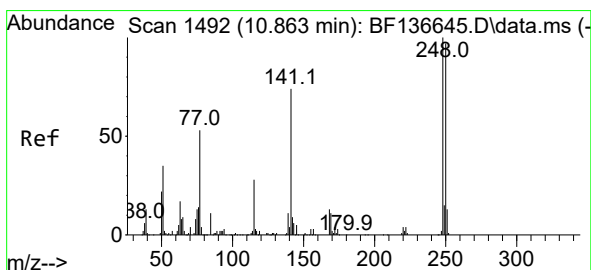
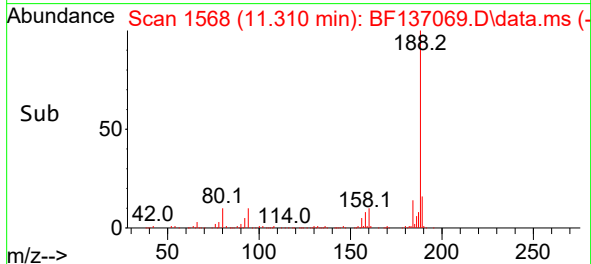
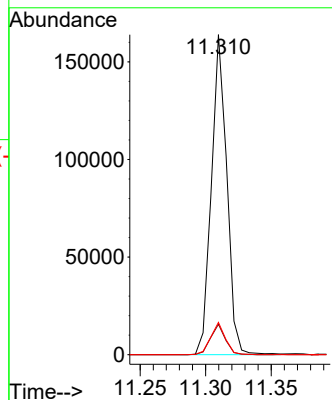
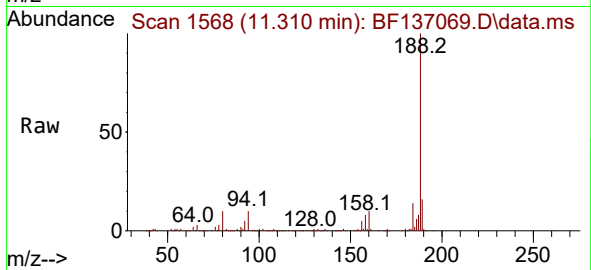
Tgt Ion:188 Resp: 134125

Ion Ratio Lower Upper

188 100

94 9.5 7.5 11.3

80 10.1 8.1 12.1



#67

4-Bromophenyl-phenylether

Concen: 2.697 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.247 min

Lab File: BF137069.D

Acq: 15 Jan 2024 18:07

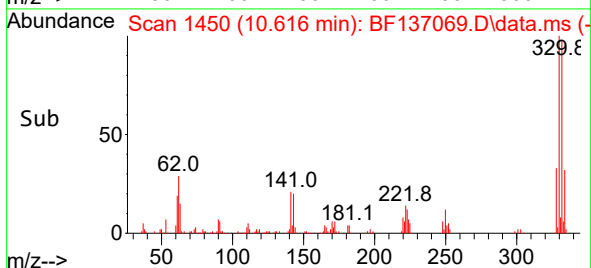
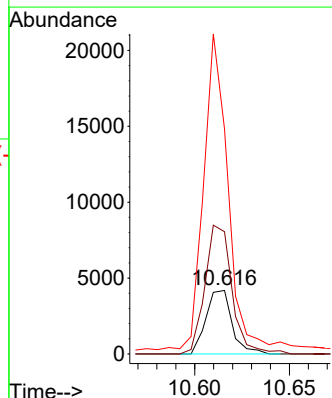
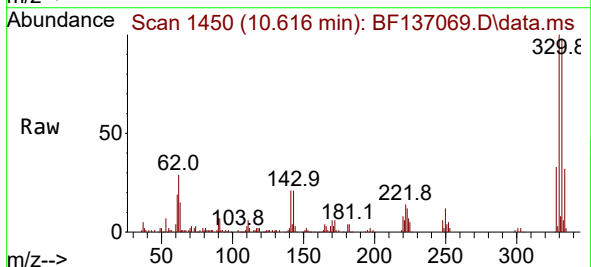
Tgt Ion:248 Resp: 4017

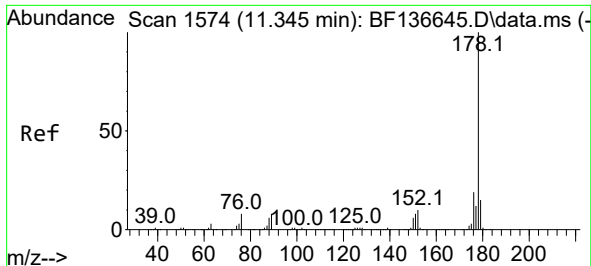
Ion Ratio Lower Upper

248 100

250 192.3 77.8 116.6#

141 353.7 59.2 88.8#

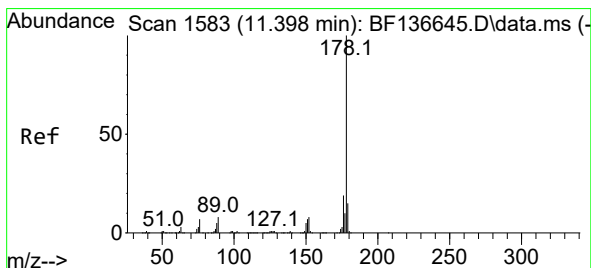
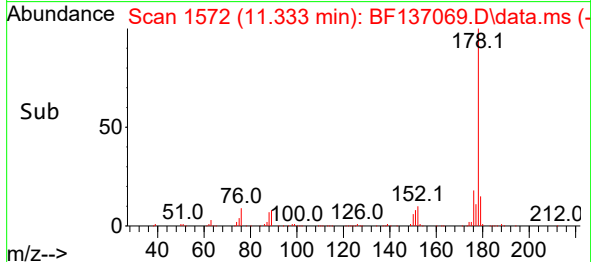
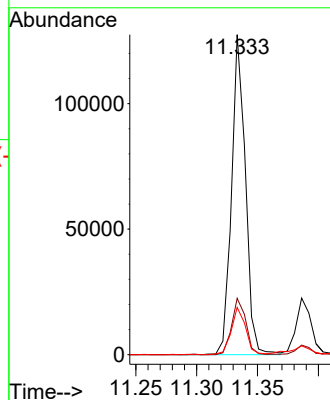
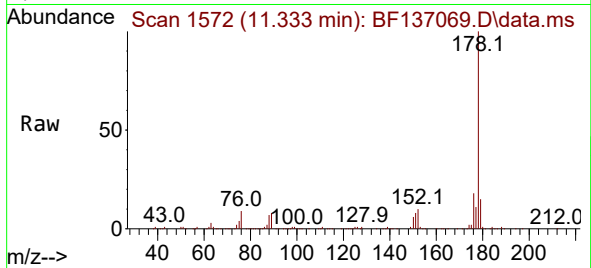




#71
Phenanthrene
Concen: 14.697 ng
RT: 11.333 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF137069.D
Acq: 15 Jan 2024 18:07

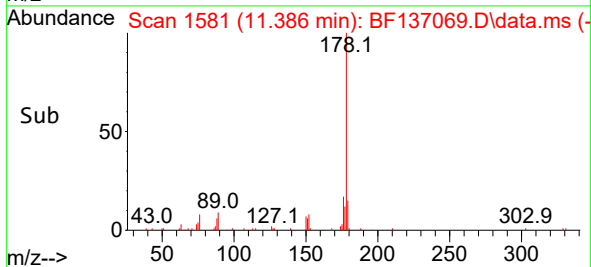
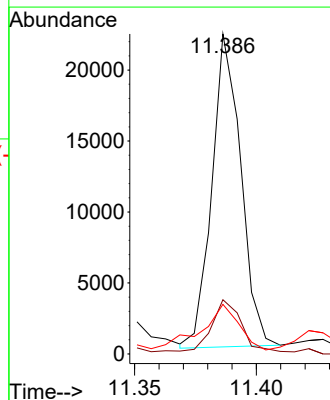
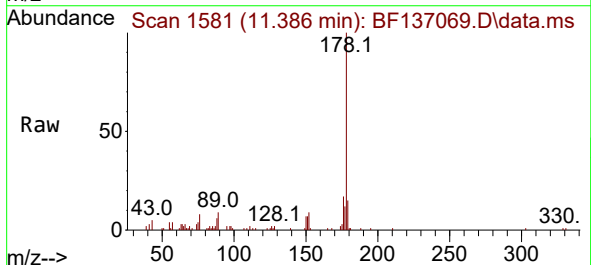
Instrument :
BNA_F
ClientSampleId :
MR-314-16-18

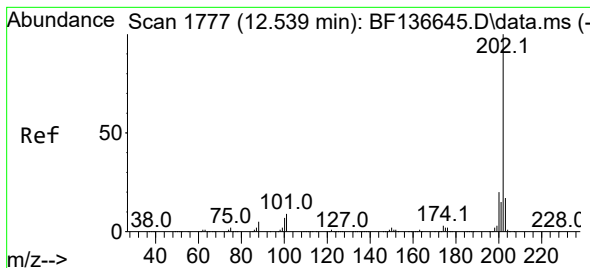
Tgt Ion:178 Resp: 101144
Ion Ratio Lower Upper
178 100
176 17.6 15.3 22.9
179 14.7 11.9 17.9



#72
Anthracene
Concen: 2.611 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF137069.D
Acq: 15 Jan 2024 18:07

Tgt Ion:178 Resp: 18195
Ion Ratio Lower Upper
178 100
176 16.9 14.9 22.3
179 15.5 11.8 17.6

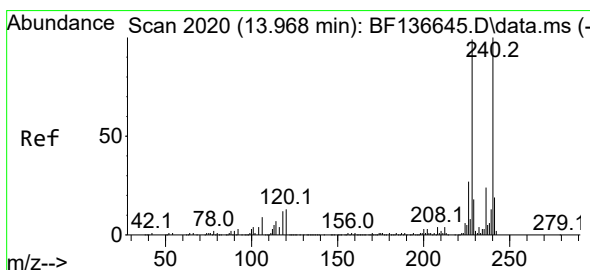
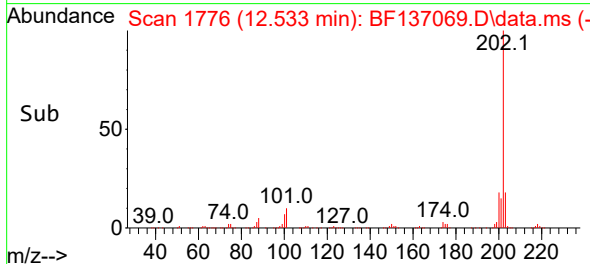
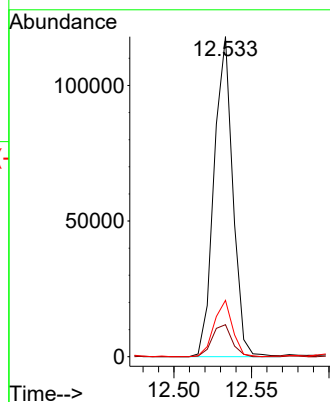
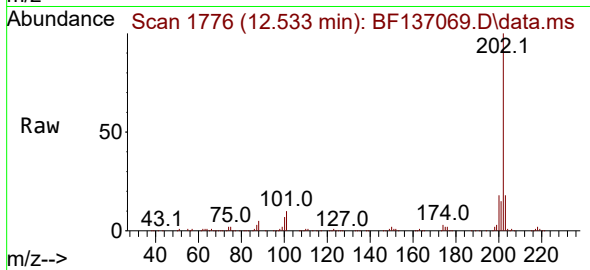




#75
Fluoranthene
Concen: 13.481 ng
RT: 12.533 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF137069.D
Acq: 15 Jan 2024 18:07

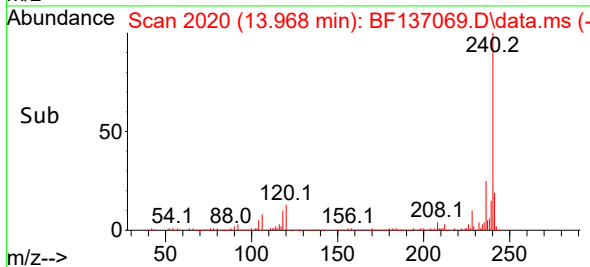
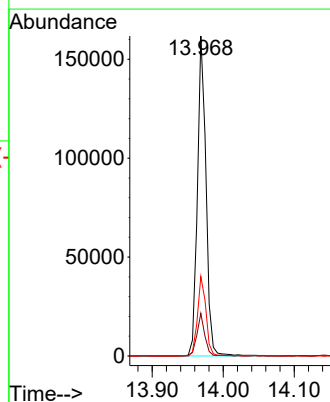
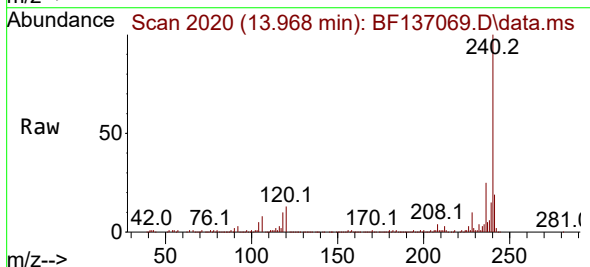
Instrument :
BNA_F
ClientSampleId :
MR-314-16-18

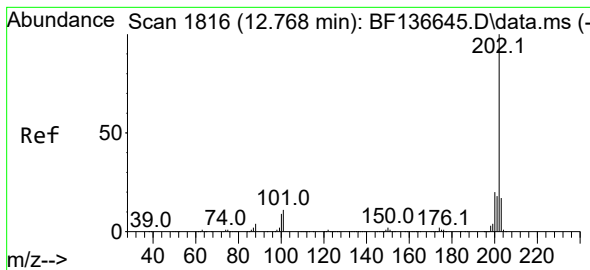
Tgt Ion:202 Resp: 99241
Ion Ratio Lower Upper
202 100
101 10.0 0.0 29.3
203 17.6 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF137069.D
Acq: 15 Jan 2024 18:07

Tgt Ion:240 Resp: 136373
Ion Ratio Lower Upper
240 100
120 13.3 10.3 15.5
236 24.9 19.4 29.2





#78

Pyrene

Concen: 8.367 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF137069.D

Acq: 15 Jan 2024 18:07

Instrument :

BNA_F

ClientSampleId :

MR-314-16-18

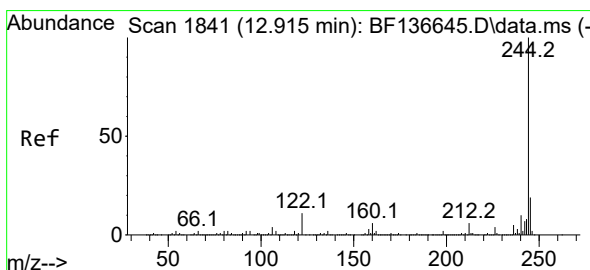
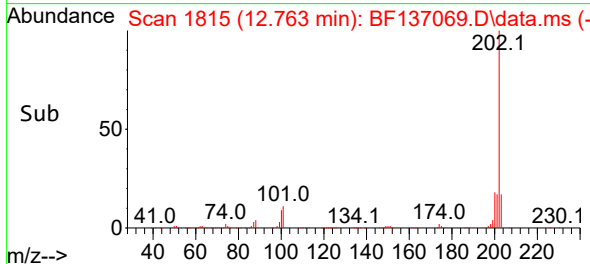
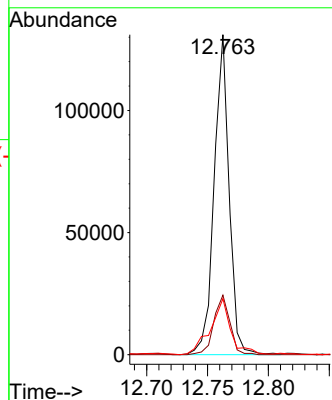
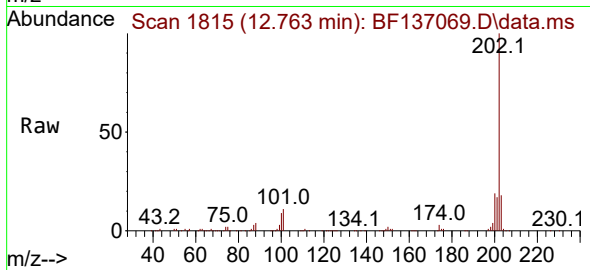
Tgt Ion:202 Resp: 112018

Ion Ratio Lower Upper

202 100

200 18.6 15.9 23.9

203 17.5 13.8 20.6



#79

Terphenyl-d14

Concen: 44.396 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.012 min

Lab File: BF137069.D

Acq: 15 Jan 2024 18:07

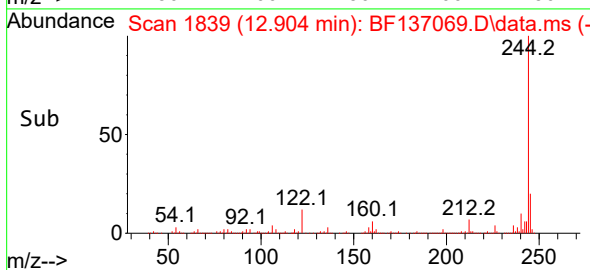
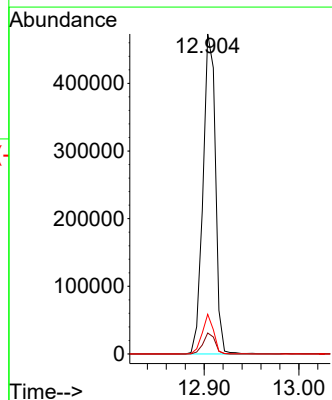
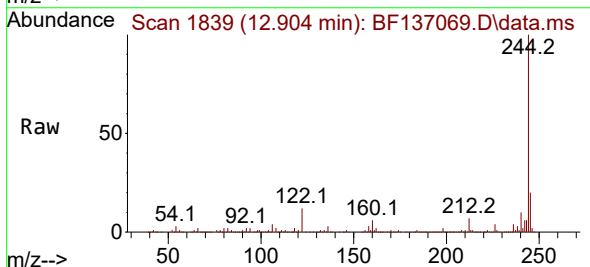
Tgt Ion:244 Resp: 433240

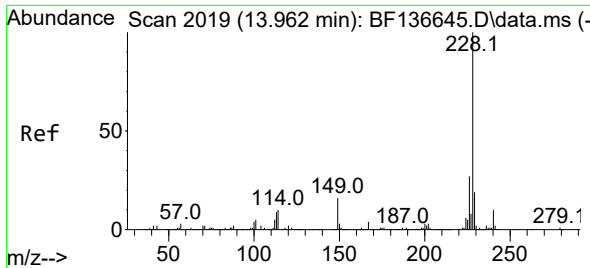
Ion Ratio Lower Upper

244 100

212 6.6 5.0 7.4

122 12.4 9.0 13.4

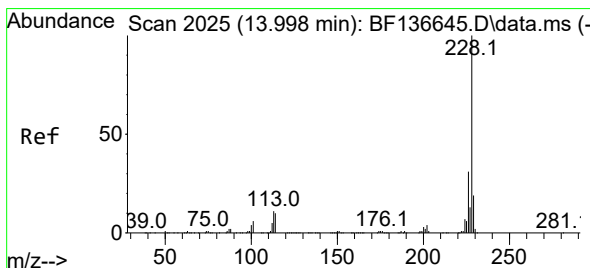
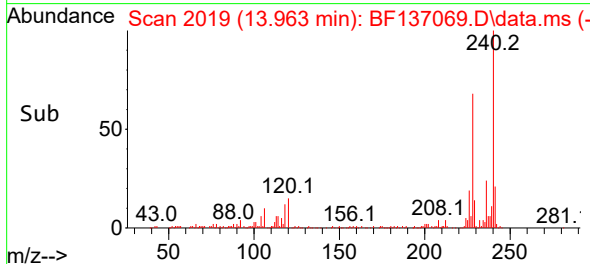
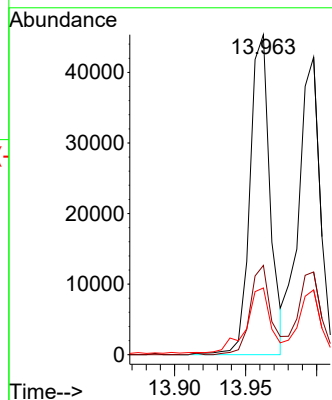
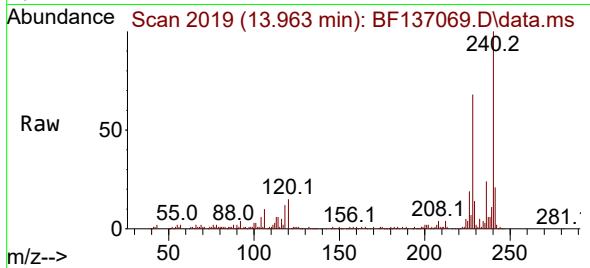




#81
Benzo(a)anthracene
Concen: 4.719 ng
RT: 13.963 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF137069.D
Acq: 15 Jan 2024 18:07

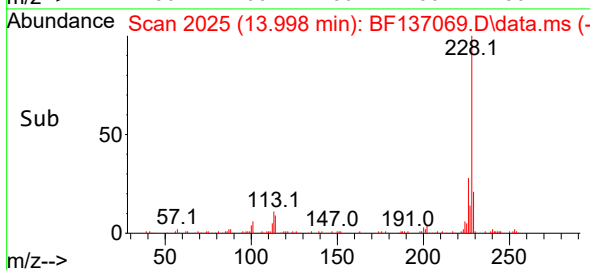
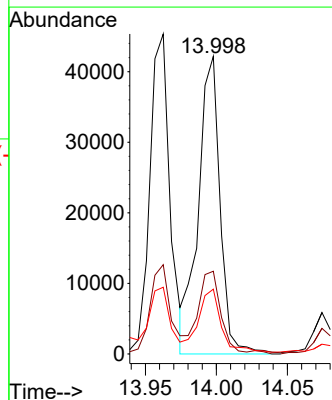
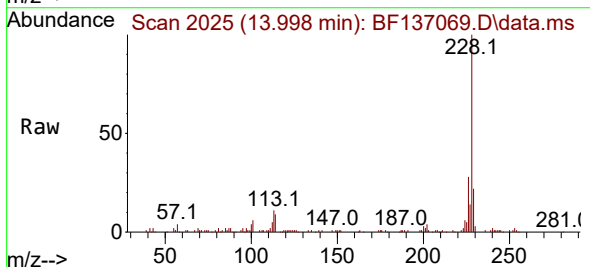
Instrument :
BNA_F
ClientSampleId :
MR-314-16-18

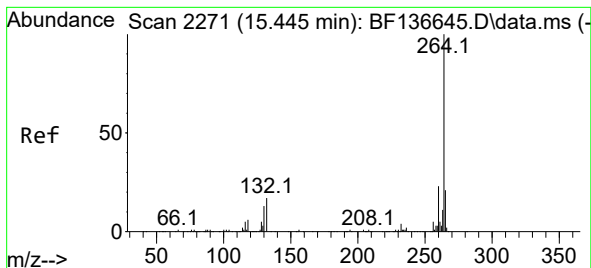
Tgt Ion:228 Resp: 44689
Ion Ratio Lower Upper
228 100
226 27.9 21.4 32.0
229 20.9 14.9 22.3



#83
Chrysene
Concen: 4.887 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF137069.D
Acq: 15 Jan 2024 18:07

Tgt Ion:228 Resp: 45252
Ion Ratio Lower Upper
228 100
226 27.8 24.7 37.1
229 21.8 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.462 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF137069.D

Acq: 15 Jan 2024 18:07

Instrument :

BNA_F

ClientSampleId :

MR-314-16-18

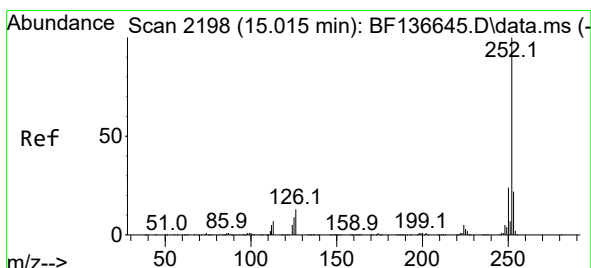
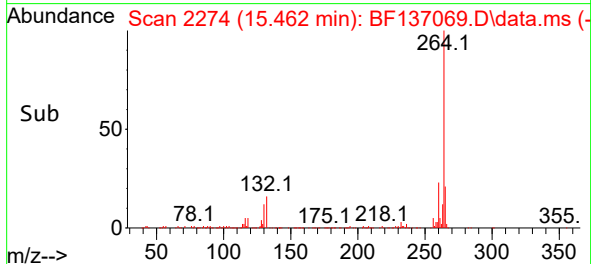
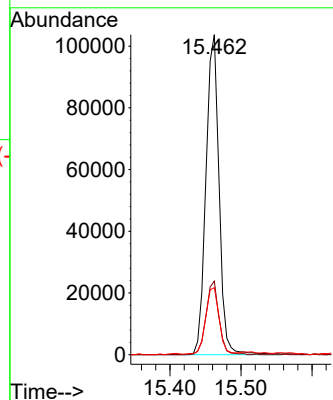
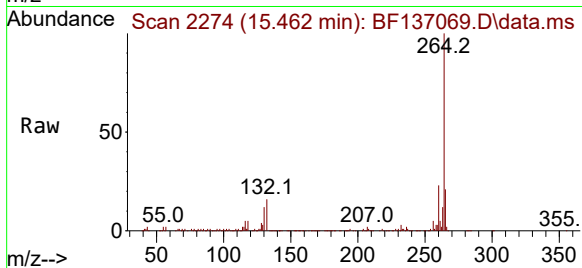
Tgt Ion:264 Resp: 133678

Ion Ratio Lower Upper

264 100

260 23.0 18.3 27.5

265 20.9 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 6.343 ng

RT: 15.021 min Scan# 2199

Delta R.T. 0.006 min

Lab File: BF137069.D

Acq: 15 Jan 2024 18:07

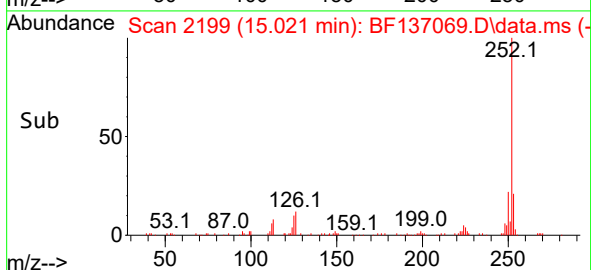
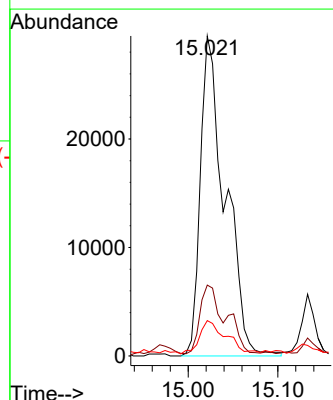
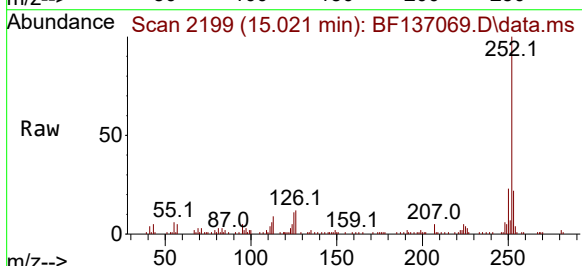
Tgt Ion:252 Resp: 56631

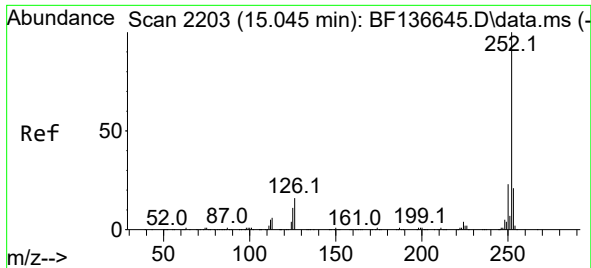
Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.0

125 11.1 7.4 11.2

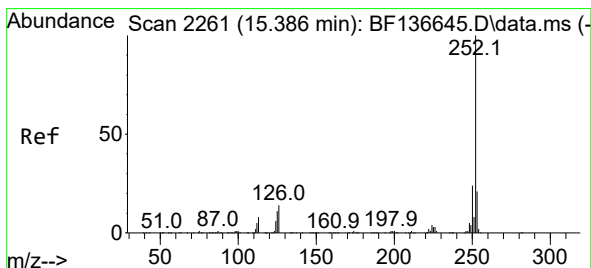
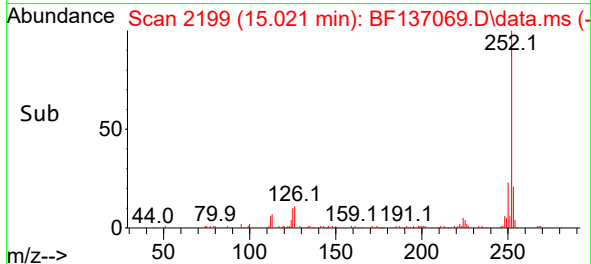
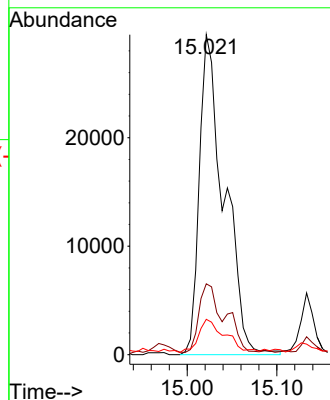
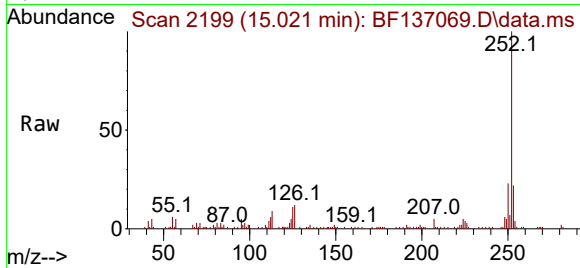




#89
Benzo(k)fluoranthene
Concen: 6.713 ng
RT: 15.021 min Scan# 2199
Delta R.T. -0.023 min
Lab File: BF137069.D
Acq: 15 Jan 2024 18:07

Instrument :
BNA_F
ClientSampleId :
MR-314-16-18

Tgt Ion:252 Resp: 56631
Ion Ratio Lower Upper
252 100
253 22.2 17.0 25.6
125 11.1 8.2 12.4



#90
Benzo(a)pyrene
Concen: 4.104 ng
RT: 15.398 min Scan# 2263
Delta R.T. 0.012 min
Lab File: BF137069.D
Acq: 15 Jan 2024 18:07

Tgt Ion:252 Resp: 30932
Ion Ratio Lower Upper
252 100
253 24.6 17.0 25.6
125 13.3 8.8 13.2#

