

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011524\
 Data File : BF137075.D
 Acq On : 15 Jan 2024 21:03
 Operator : CG\JU
 Sample : P1139-01 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MR-314-0-2

Quant Time: Jan 16 02:04:31 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)

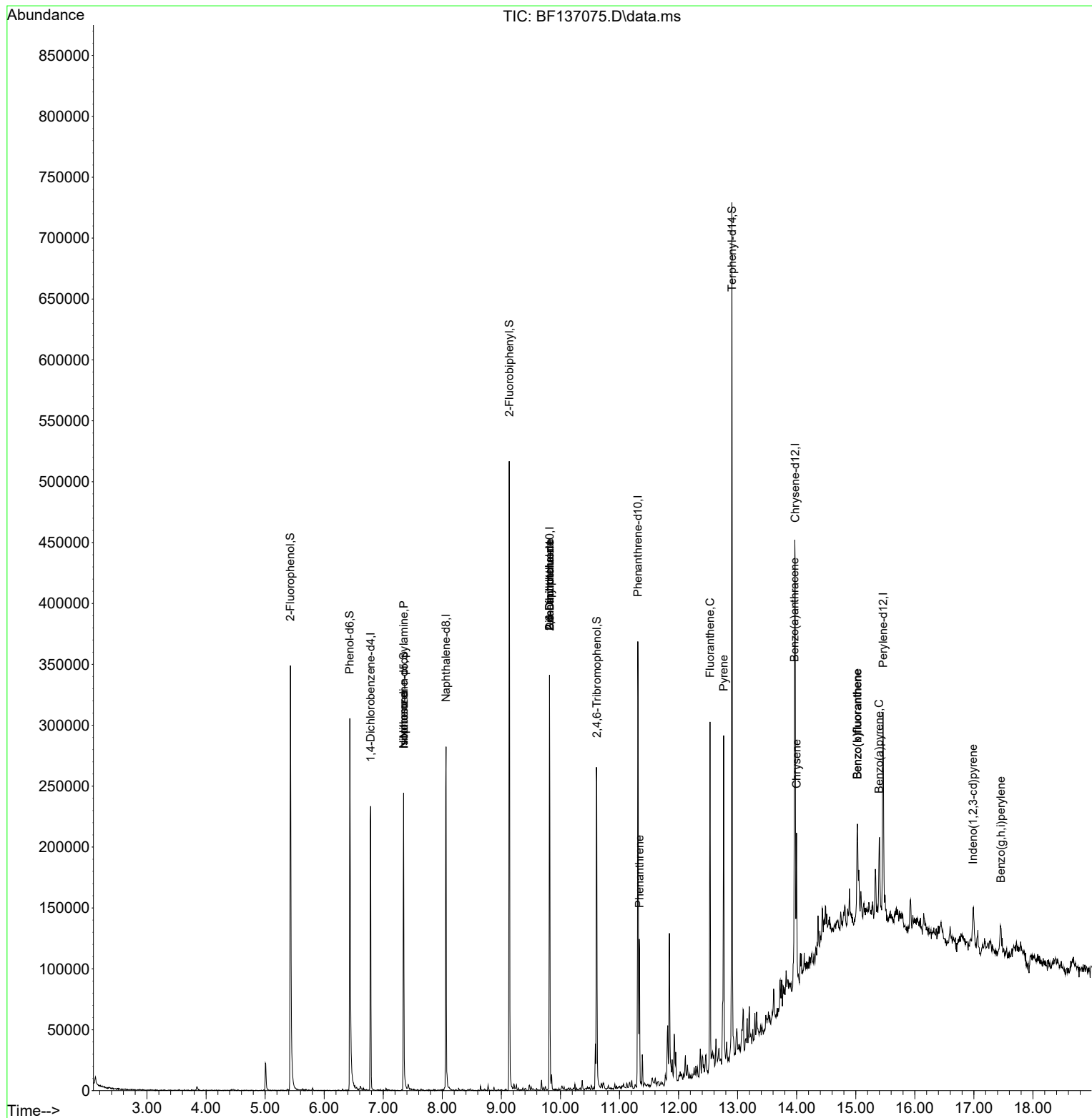
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	37215	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	125138	20.000	ng	# 0.00
39) Acenaphthene-d10	9.816	164	64664	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	139385	20.000	ng	0.00
76) Chrysene-d12	13.974	240	112603	20.000	ng	# 0.00
86) Perylene-d12	15.462	264	81488	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	107755	45.178	ng	0.00
7) Phenol-d6	6.434	99	120581	39.016	ng	0.00
23) Nitrobenzene-d5	7.345	82	73942	30.236	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	36814	48.340	ng	0.00
45) 2-Fluorobiphenyl	9.133	172	154439	32.123	ng	-0.02
79) Terphenyl-d14	12.904	244	222233	27.580	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	9298	4.963	ng	# 76
25) Isophorone	7.345	82	73942	16.617	ng	# 65
50) Dimethylphthalate	9.816	163	11947	2.529	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	8525	7.953	ng	# 29
57) 2,4-Dinitrotoluene	9.816	165	8525	6.126	ng	# 20
71) Phenanthrene	11.339	178	44734	6.255	ng	98
75) Fluoranthene	12.533	202	105632	13.808	ng	99
78) Pyrene	12.763	202	102172	9.243	ng	99
81) Benzo(a)anthracene	13.963	228	51470	6.583	ng	99
83) Chrysene	13.998	228	43906	5.742	ng	96
87) Indeno(1,2,3-cd)pyrene	16.986	276	19077	3.242	ng	97
88) Benzo(b)fluoranthene	15.027	252	59074	10.854	ng	# 92
89) Benzo(k)fluoranthene	15.027	252	59074	11.487	ng	# 92
90) Benzo(a)pyrene	15.398	252	30570	6.654	ng	# 92
92) Benzo(g,h,i)perylene	17.456	276	18607	3.764	ng	95

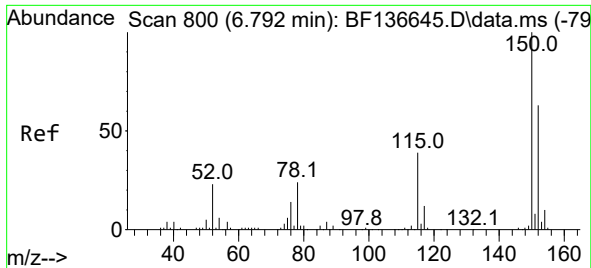
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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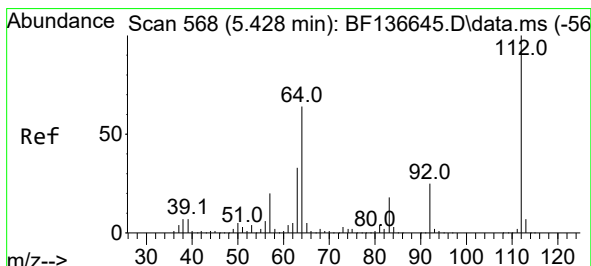
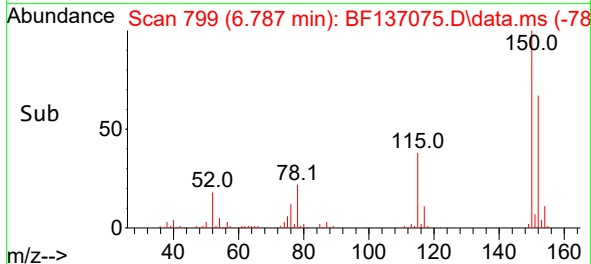
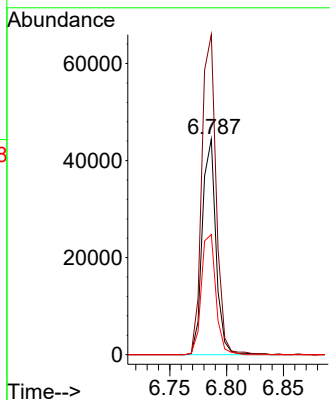
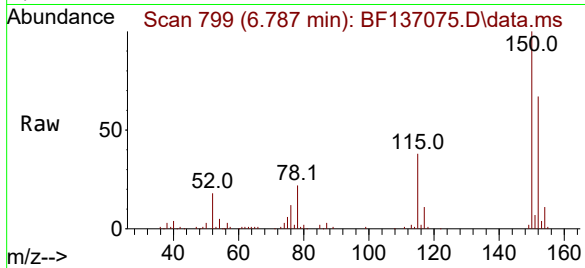




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF137075.D
Acq: 15 Jan 2024 21:03

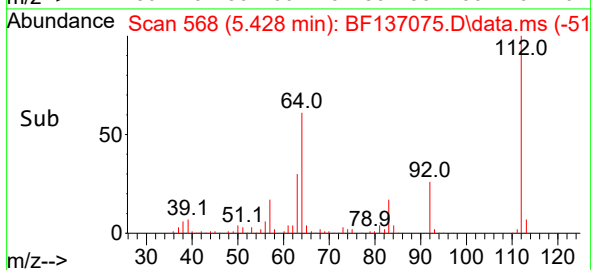
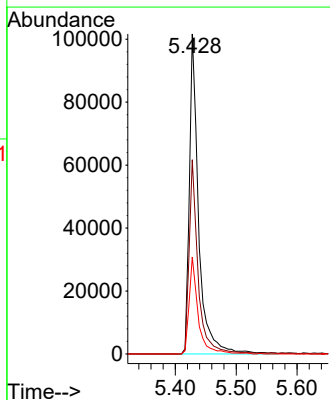
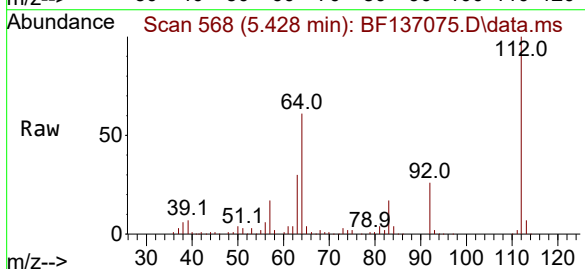
Instrument :
BNA_F
ClientSampleId :
MR-314-0-2

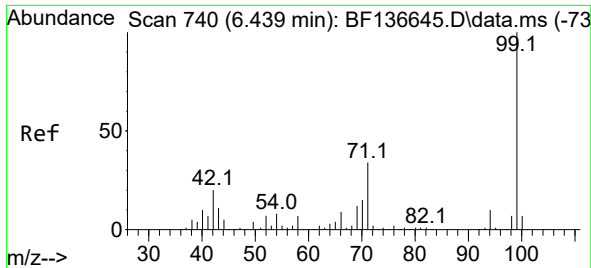
Tgt Ion:152 Resp: 37215
Ion Ratio Lower Upper
152 100
150 148.5 127.0 190.6
115 55.8 49.0 73.4



#5
2-Fluorophenol
Concen: 45.178 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF137075.D
Acq: 15 Jan 2024 21:03

Tgt Ion:112 Resp: 107755
Ion Ratio Lower Upper
112 100
64 60.7 51.1 76.7
63 30.3 26.1 39.1

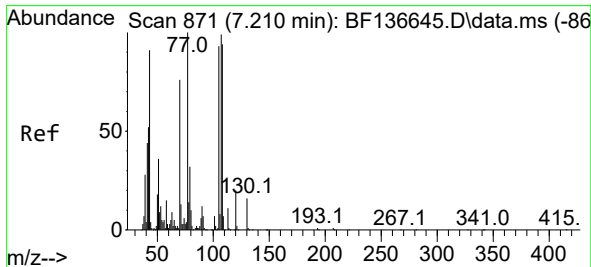
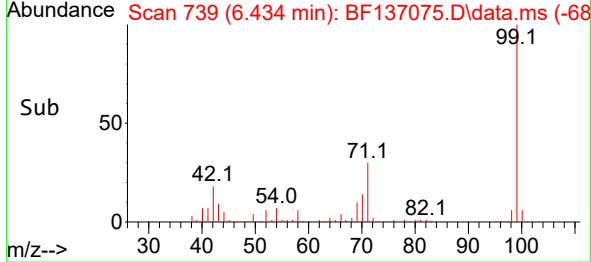
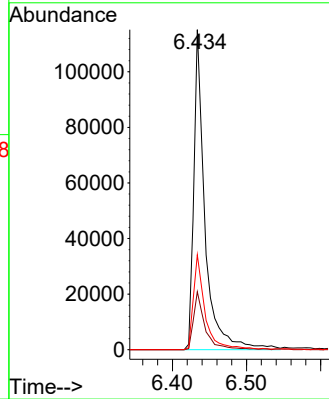
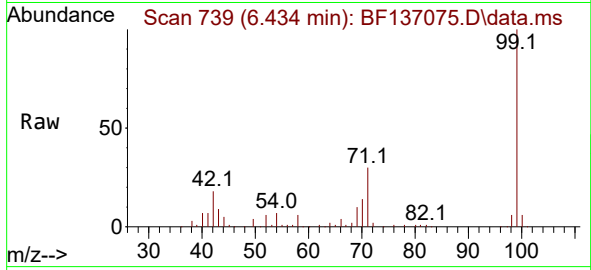




#7
Phenol-d6
Concen: 39.016 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137075.D
Acq: 15 Jan 2024 21:03

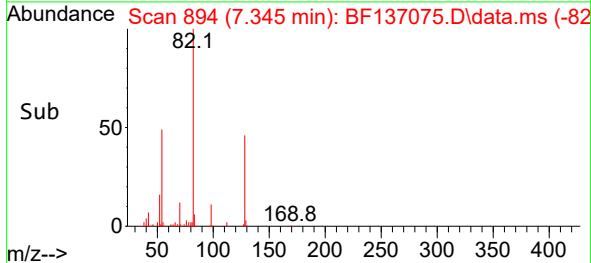
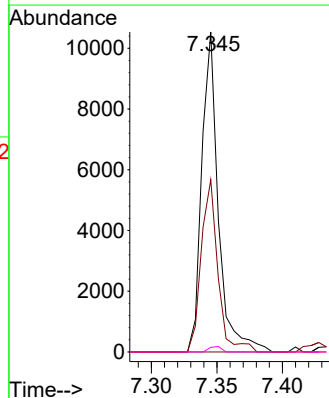
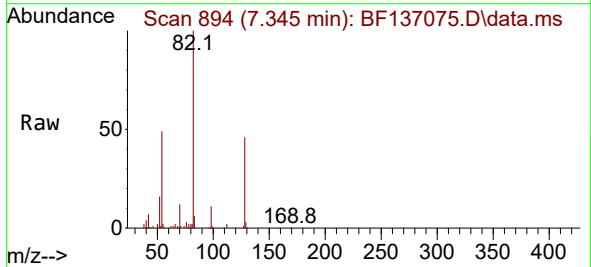
Instrument :
BNA_F
ClientSampleId :
MR-314-0-2

Tgt Ion: 99 Resp: 120581
Ion Ratio Lower Upper
99 100
42 18.1 16.1 24.1
71 29.6 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 4.963 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF137075.D
Acq: 15 Jan 2024 21:03

Tgt Ion: 70 Resp: 9298
Ion Ratio Lower Upper
70 100
42 53.9 54.2 81.4#
101 0.0 7.6 11.4#
130 1.5 17.1 25.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.063 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF137075.D

Acq: 15 Jan 2024 21:03

Instrument :

BNA_F

ClientSampleId :

MR-314-0-2

Tgt Ion:136 Resp: 125138

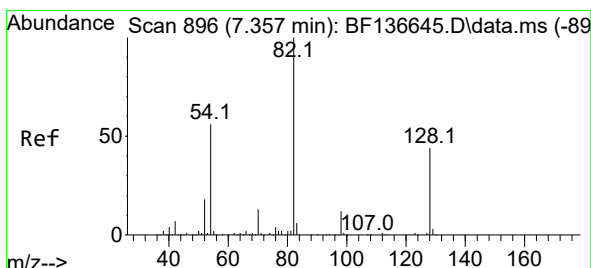
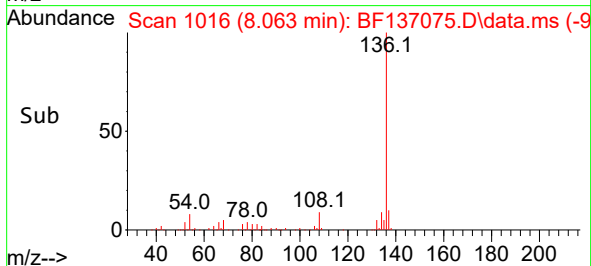
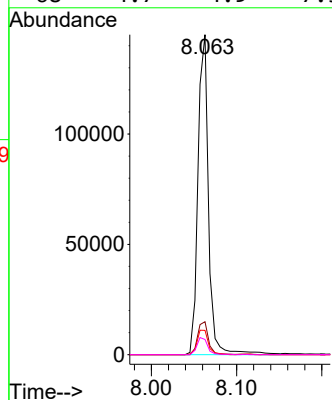
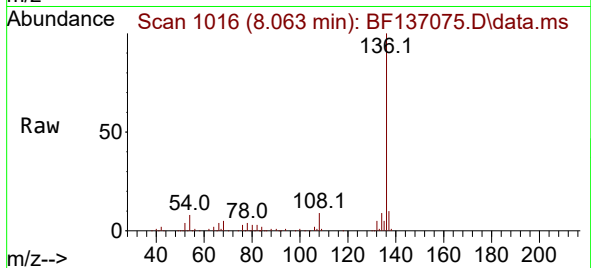
Ion Ratio Lower Upper

136 100

137 10.3 9.0 13.4

54 7.6 7.2 10.8

68 4.7 4.9 7.3#



#23

Nitrobenzene-d5

Concen: 30.236 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF137075.D

Acq: 15 Jan 2024 21:03

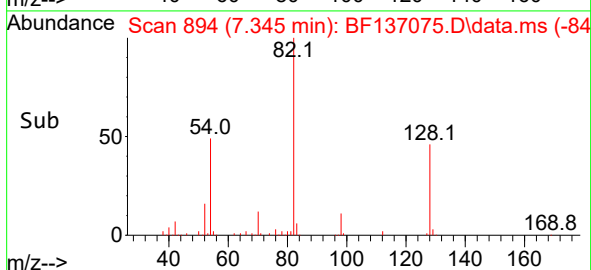
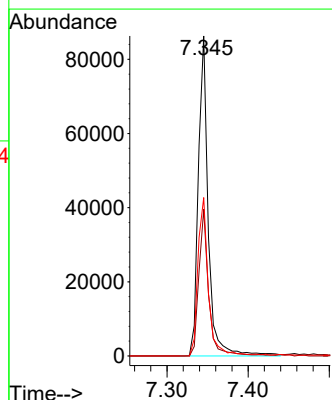
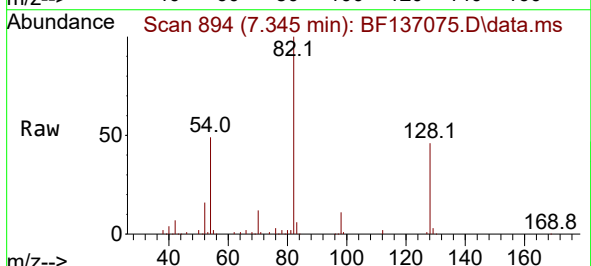
Tgt Ion: 82 Resp: 73942

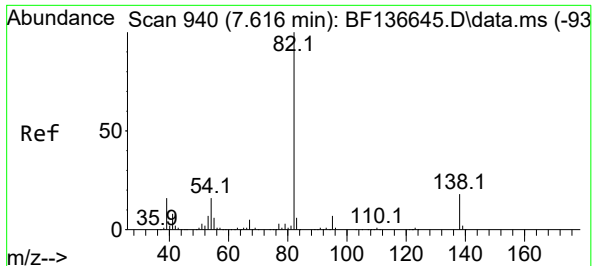
Ion Ratio Lower Upper

82 100

128 45.8 35.3 52.9

54 49.5 44.5 66.7

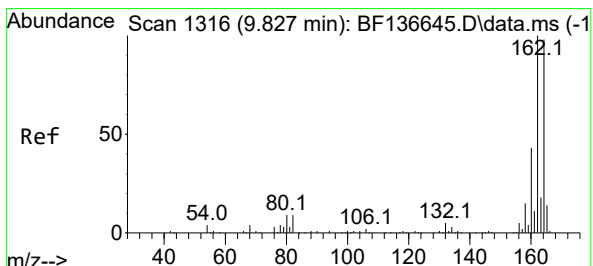
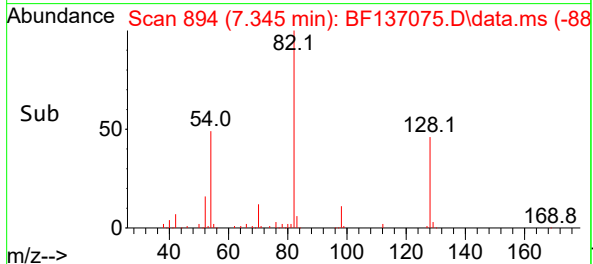
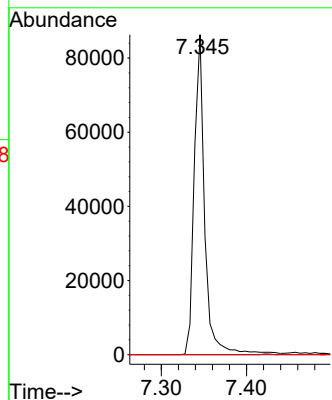
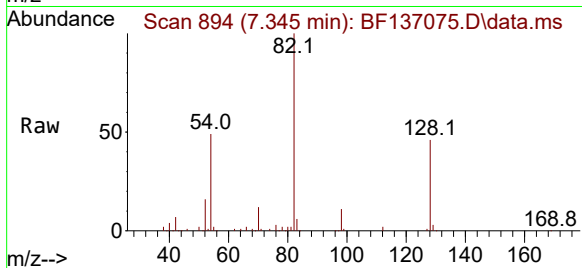




#25
Isophorone
Concen: 16.617 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.271 min
Lab File: BF137075.D
Acq: 15 Jan 2024 21:03

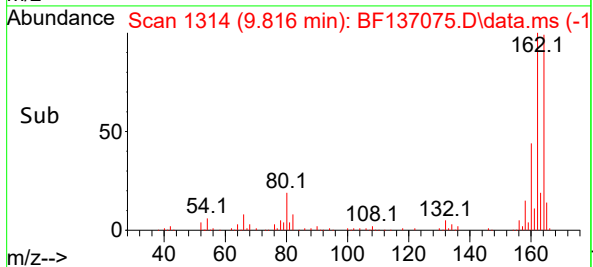
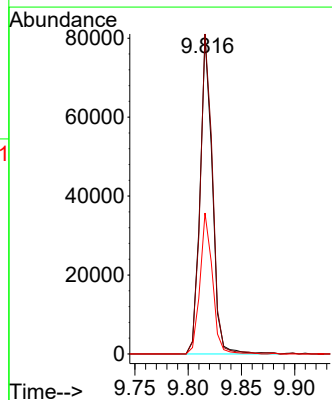
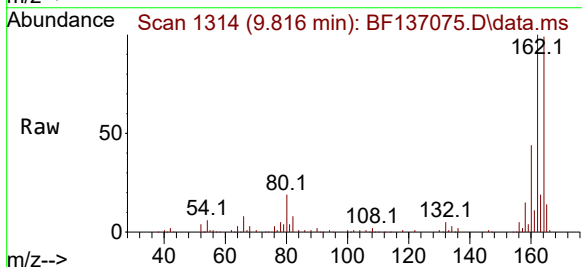
Instrument :
BNA_F
ClientSampleId :
MR-314-0-2

Tgt Ion: 82 Resp: 73942
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF137075.D
Acq: 15 Jan 2024 21:03

Tgt Ion: 164 Resp: 64664
Ion Ratio Lower Upper
164 100
162 100.9 81.6 122.4
160 44.5 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 48.340 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.006 min

Lab File: BF137075.D

Acq: 15 Jan 2024 21:03

Instrument :

BNA_F

ClientSampleId :

MR-314-0-2

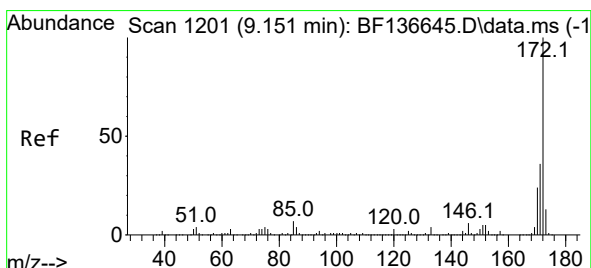
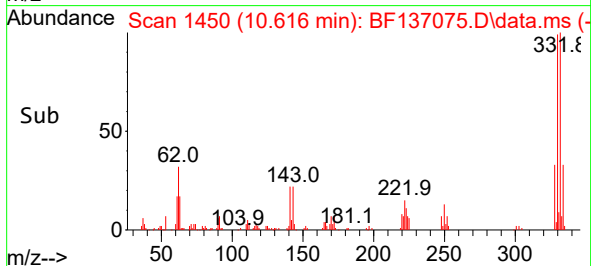
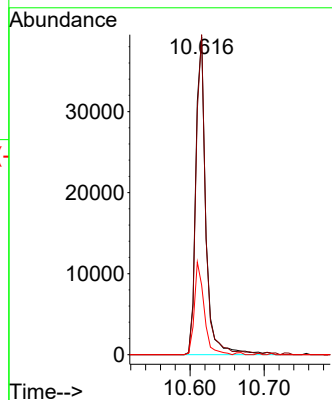
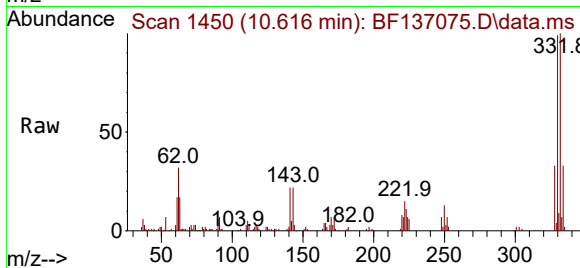
Tgt Ion:330 Resp: 36814

Ion Ratio Lower Upper

330 100

332 97.4 77.4 116.0

141 28.3 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 32.123 ng

RT: 9.133 min Scan# 1198

Delta R.T. -0.018 min

Lab File: BF137075.D

Acq: 15 Jan 2024 21:03

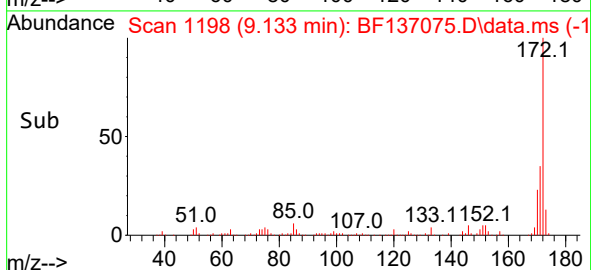
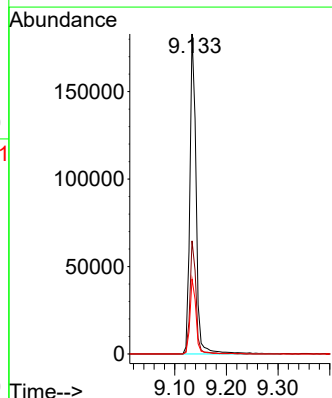
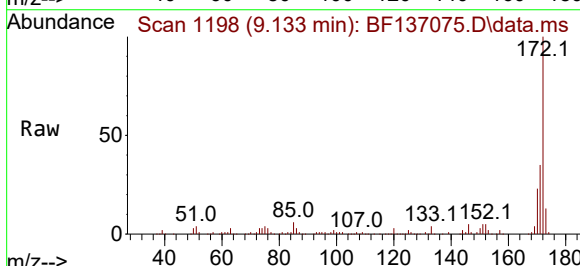
Tgt Ion:172 Resp: 154439

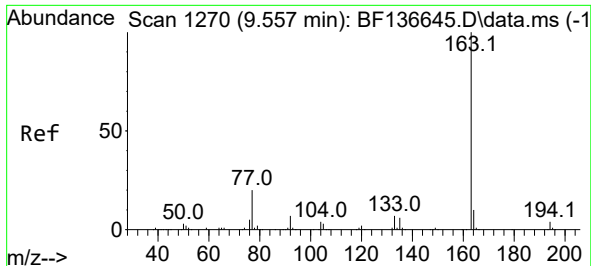
Ion Ratio Lower Upper

172 100

171 35.3 29.0 43.6

170 23.4 19.0 28.4

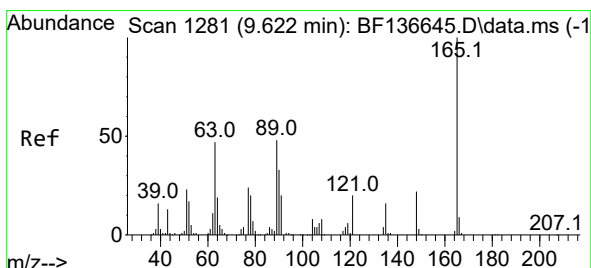
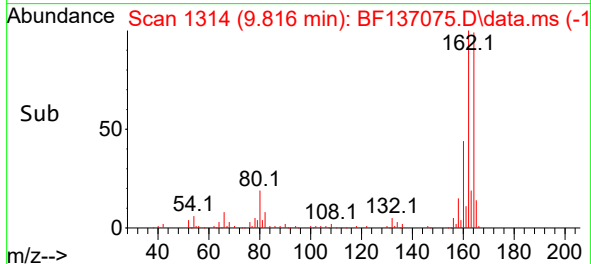
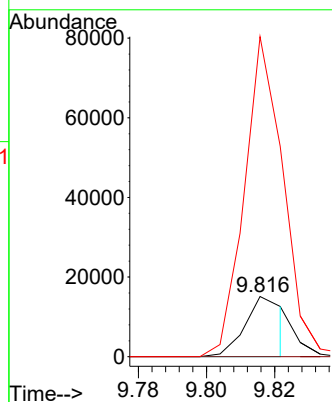
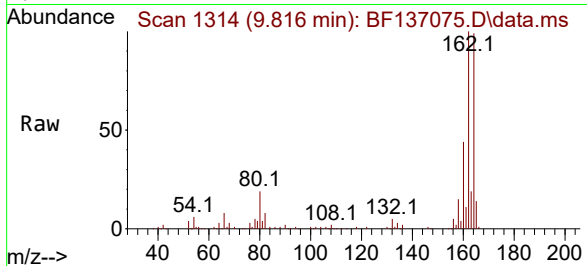




#50
Dimethylphthalate
Concen: 2.529 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF137075.D
Acq: 15 Jan 2024 21:03

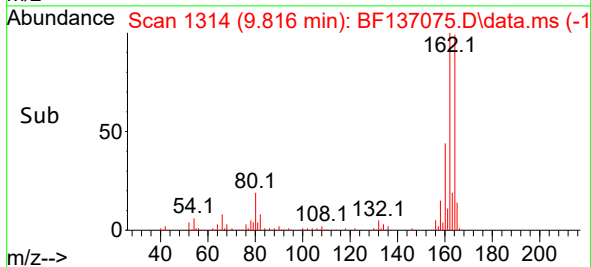
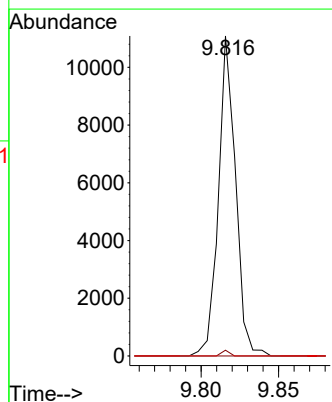
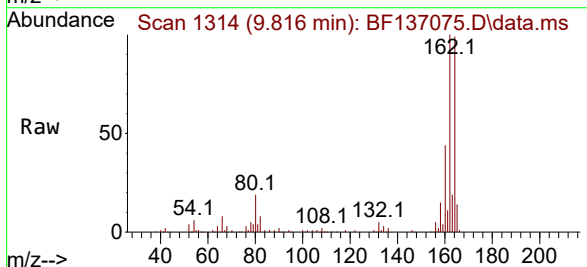
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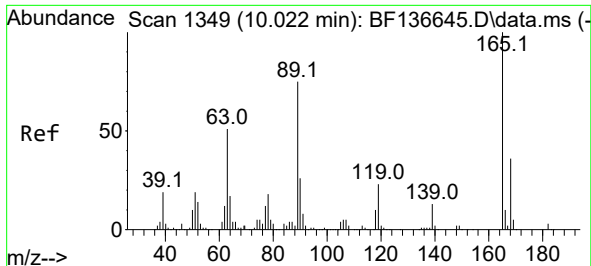
Tgt Ion:163 Resp: 11947
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 531.4 7.8 11.6#



#51
2,6-Dinitrotoluene
Concen: 7.953 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.194 min
Lab File: BF137075.D
Acq: 15 Jan 2024 21:03

Tgt Ion:165 Resp: 8525
Ion Ratio Lower Upper
165 100
63 1.8 39.8 59.6#
89 0.0 38.8 58.2#

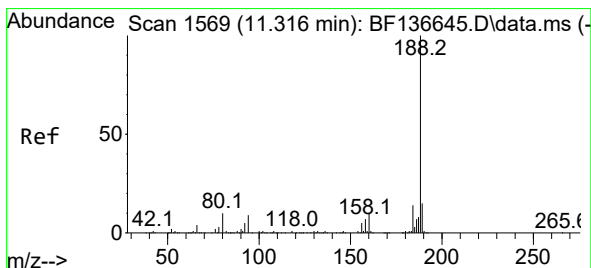
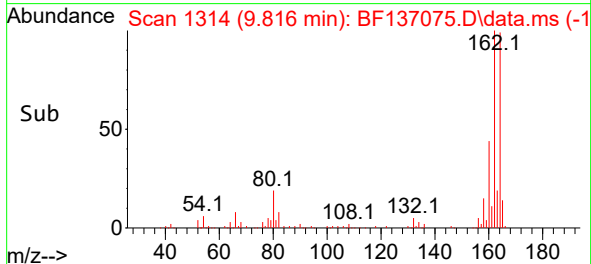
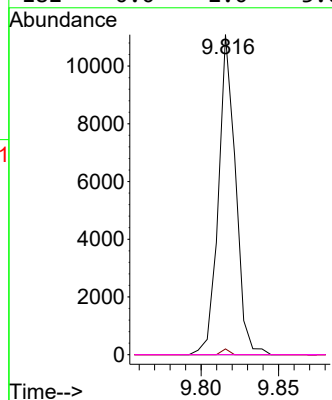
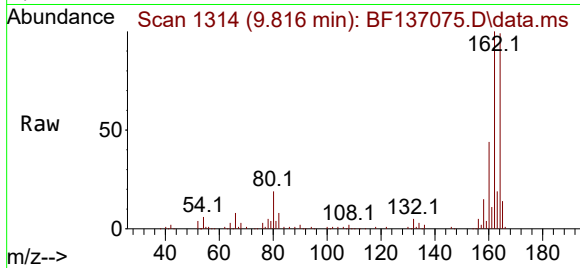




#57
2,4-Dinitrotoluene
Concen: 6.126 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF137075.D
Acq: 15 Jan 2024 21:03

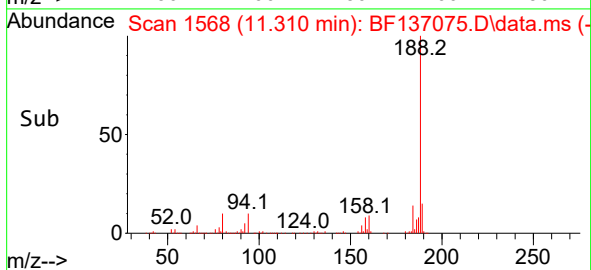
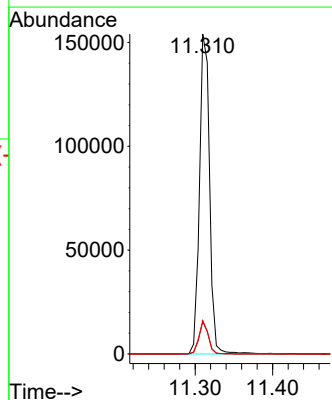
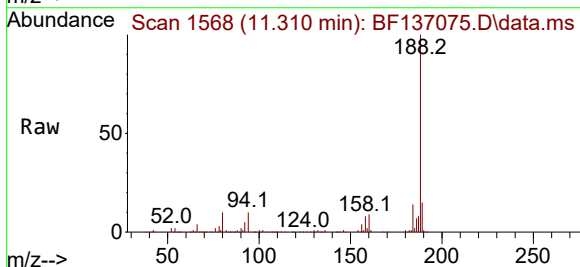
Instrument :
BNA_F
ClientSampleId :
MR-314-0-2

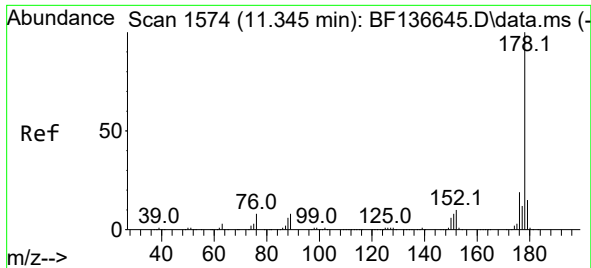
Tgt Ion:165 Resp: 8525
Ion Ratio Lower Upper
165 100
63 1.8 41.0 61.6#
89 0.0 59.9 89.9#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF137075.D
Acq: 15 Jan 2024 21:03

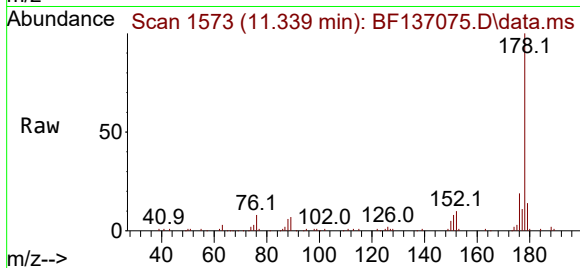
Tgt Ion:188 Resp: 139385
Ion Ratio Lower Upper
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94 10.2 7.5 11.3
80 10.4 8.1 12.1



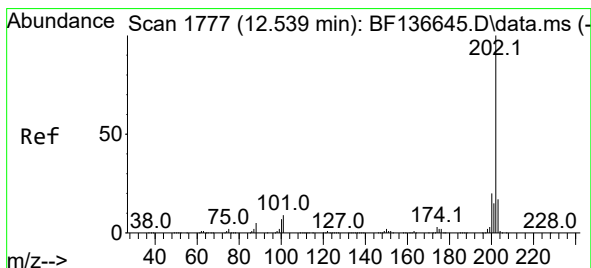
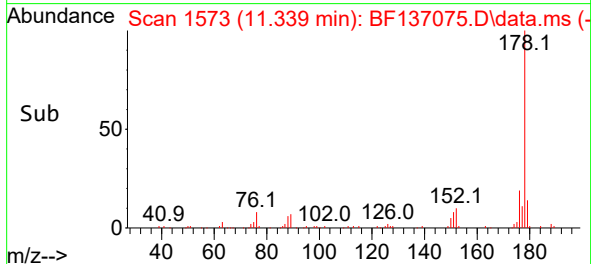
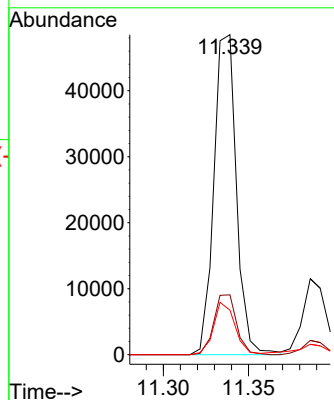


#71
Phenanthrene
Concen: 6.255 ng
RT: 11.339 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF137075.D
Acq: 15 Jan 2024 21:03

Instrument :
BNA_F
ClientSampleId :
MR-314-0-2

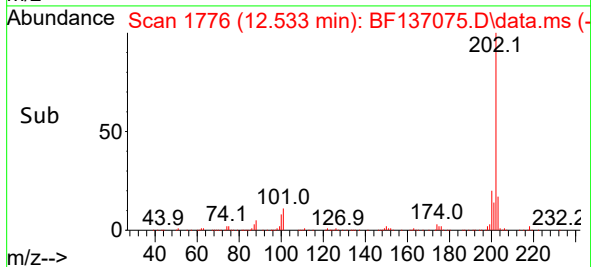
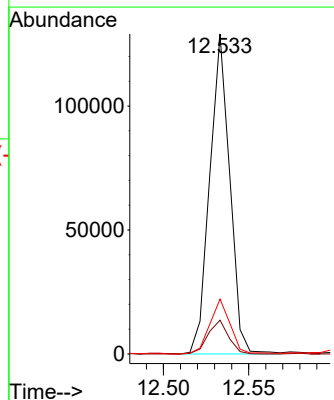
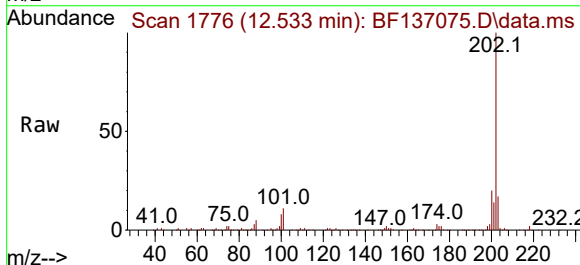


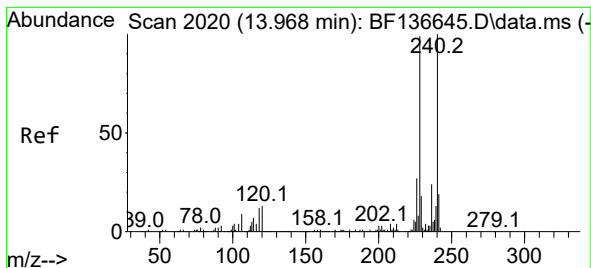
Tgt Ion:178 Resp: 44734
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 13.9 11.9 17.9



#75
Fluoranthene
Concen: 13.808 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF137075.D
Acq: 15 Jan 2024 21:03

Tgt Ion:202 Resp: 105632
Ion Ratio Lower Upper
202 100
101 10.6 0.0 29.3
203 17.2 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF137075.D

Acq: 15 Jan 2024 21:03

Instrument :

BNA_F

ClientSampleId :

MR-314-0-2

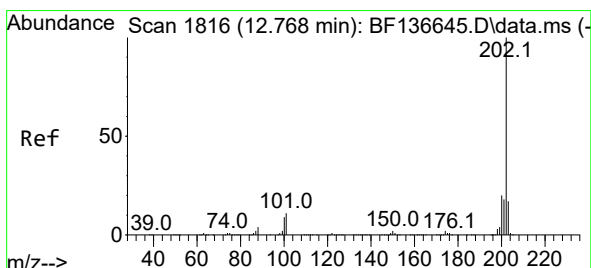
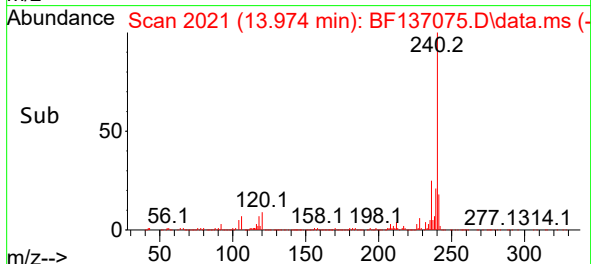
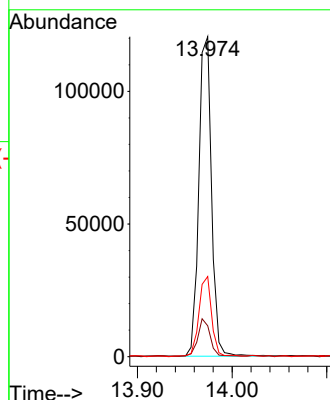
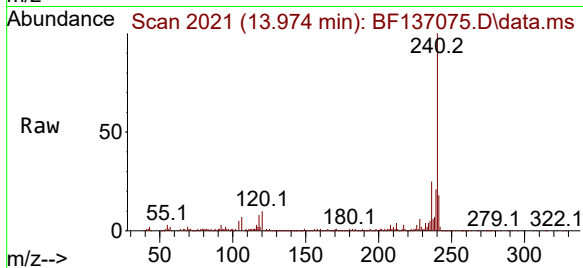
Tgt Ion:240 Resp: 112603

Ion Ratio Lower Upper

240 100

120 9.7 10.3 15.5#

236 25.0 19.4 29.2



#78

Pyrene

Concen: 9.243 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF137075.D

Acq: 15 Jan 2024 21:03

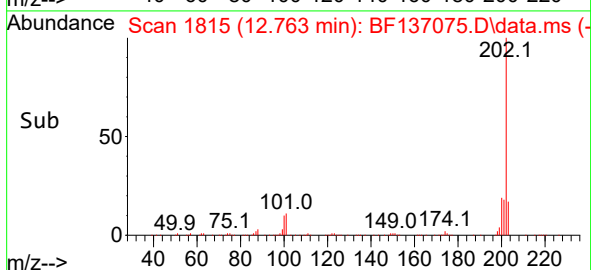
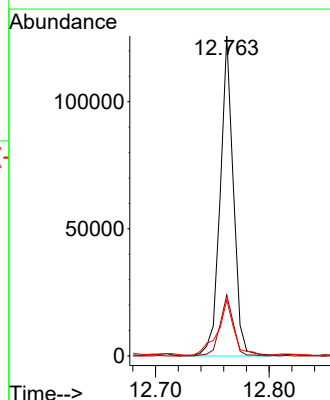
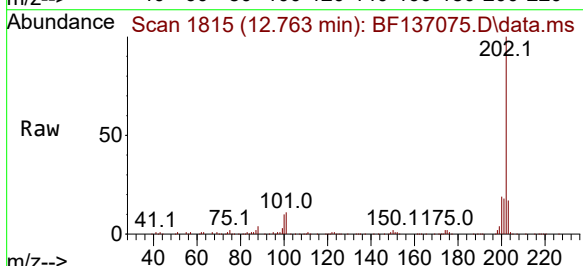
Tgt Ion:202 Resp: 102172

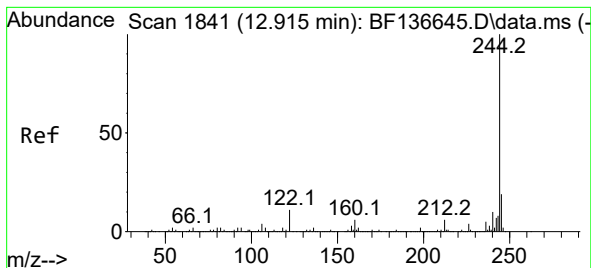
Ion Ratio Lower Upper

202 100

200 19.1 15.9 23.9

203 17.4 13.8 20.6





#79

Terphenyl-d14

Concen: 27.580 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.012 min

Lab File: BF137075.D

Acq: 15 Jan 2024 21:03

Instrument :

BNA_F

ClientSampleId :

MR-314-0-2

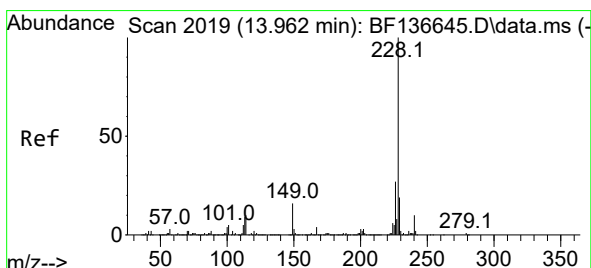
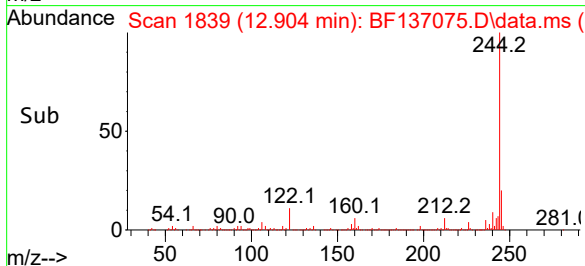
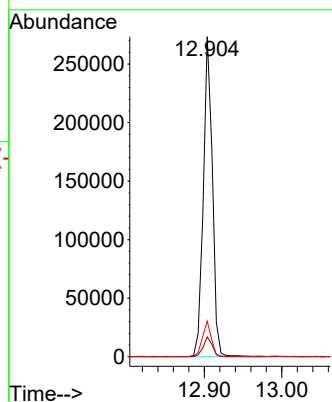
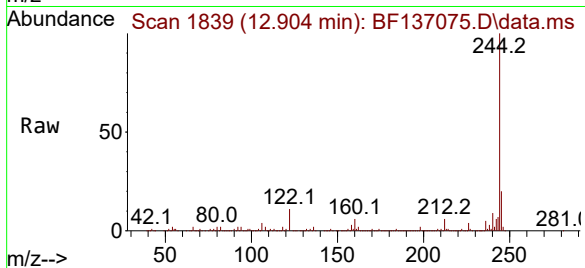
Tgt Ion:244 Resp: 222233

Ion Ratio Lower Upper

244 100

212 6.2 5.0 7.4

122 11.1 9.0 13.4



#81

Benzo(a)anthracene

Concen: 6.583 ng

RT: 13.963 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BF137075.D

Acq: 15 Jan 2024 21:03

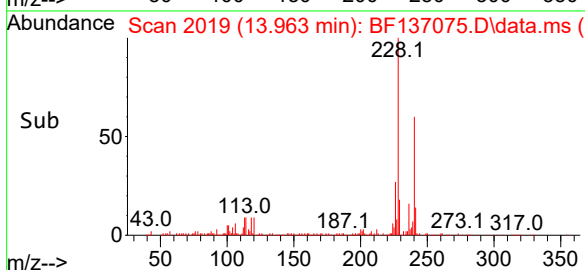
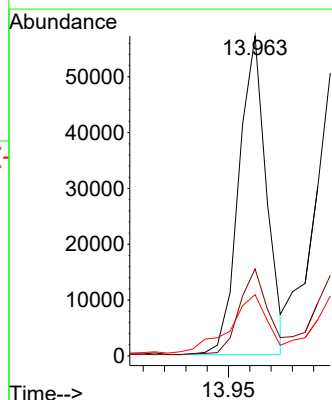
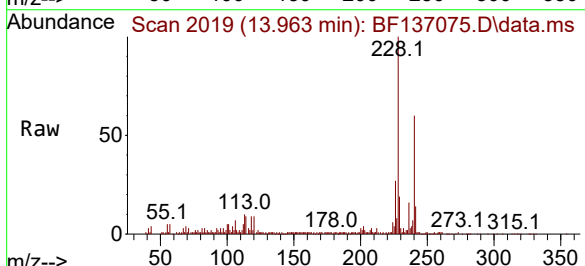
Tgt Ion:228 Resp: 51470

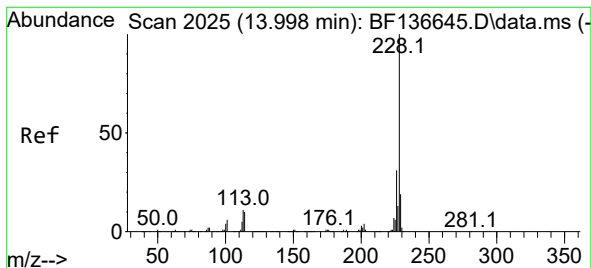
Ion Ratio Lower Upper

228 100

226 27.2 21.4 32.0

229 19.1 14.9 22.3





#83

Chrysene

Concen: 5.742 ng

RT: 13.998 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF137075.D

Acq: 15 Jan 2024 21:03

Instrument :

BNA_F

ClientSampleId :

MR-314-0-2

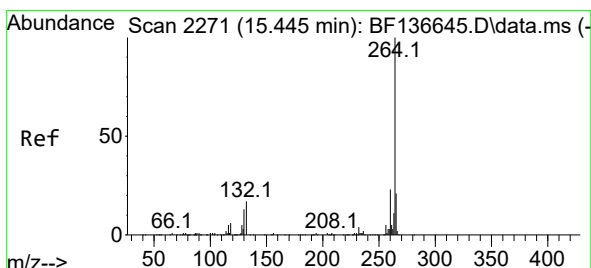
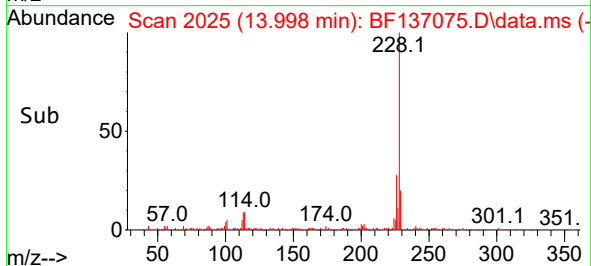
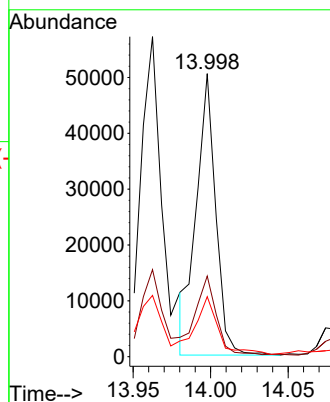
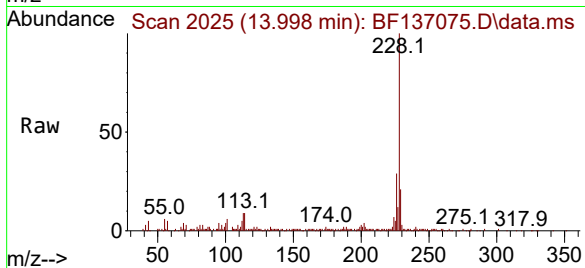
Tgt Ion:228 Resp: 43906

Ion Ratio Lower Upper

228 100

226 28.5 24.7 37.1

229 21.2 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: BF137075.D

Acq: 15 Jan 2024 21:03

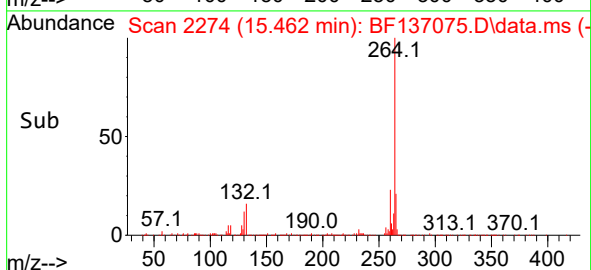
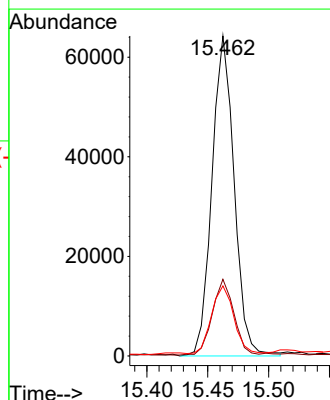
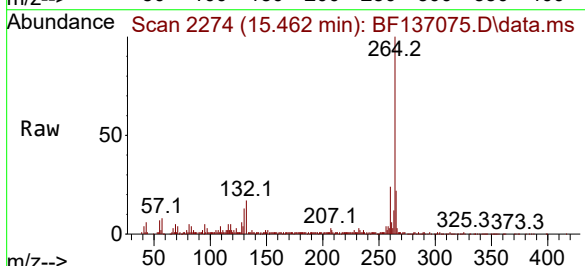
Tgt Ion:264 Resp: 81488

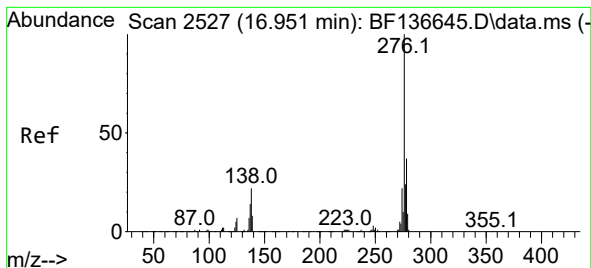
Ion Ratio Lower Upper

264 100

260 24.0 18.3 27.5

265 21.9 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.242 ng

RT: 16.986 min Scan# 21

Delta R.T. 0.035 min

Lab File: BF137075.D

Acq: 15 Jan 2024 21:03

Instrument :

BNA_F

ClientSampleId :

MR-314-0-2

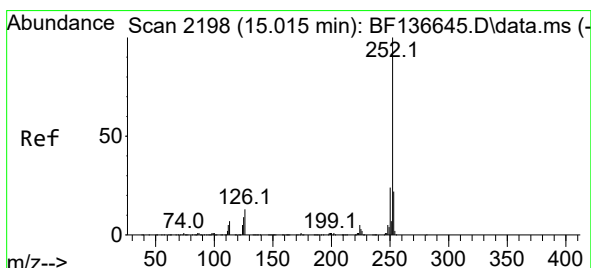
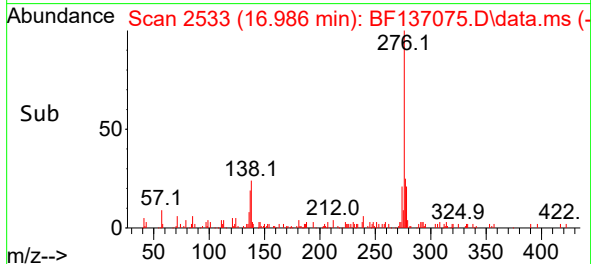
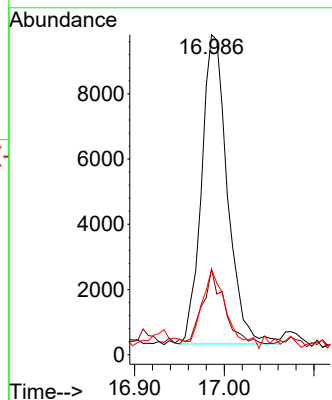
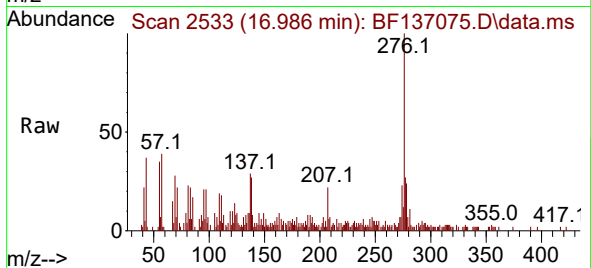
Tgt Ion:276 Resp: 19077

Ion Ratio Lower Upper

276 100

138 22.0 18.7 28.1

277 24.1 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 10.854 ng

RT: 15.027 min Scan# 2200

Delta R.T. 0.012 min

Lab File: BF137075.D

Acq: 15 Jan 2024 21:03

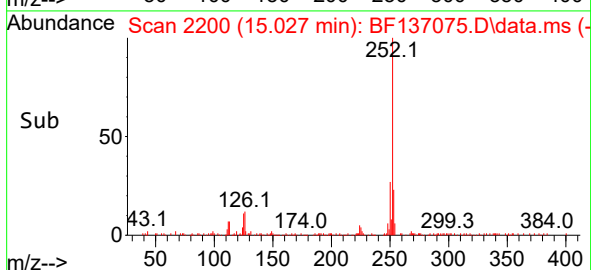
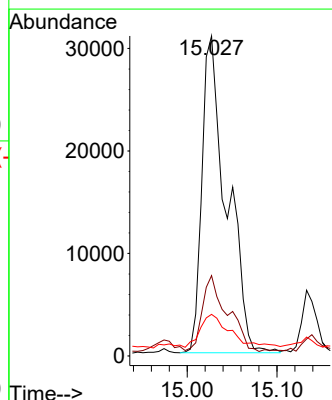
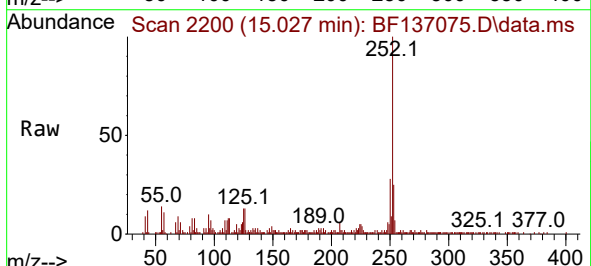
Tgt Ion:252 Resp: 59074

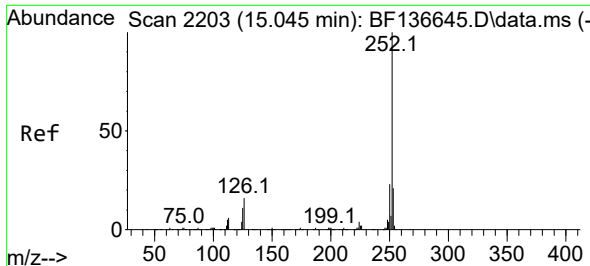
Ion Ratio Lower Upper

252 100

253 25.1 17.4 26.0

125 13.0 7.4 11.2#

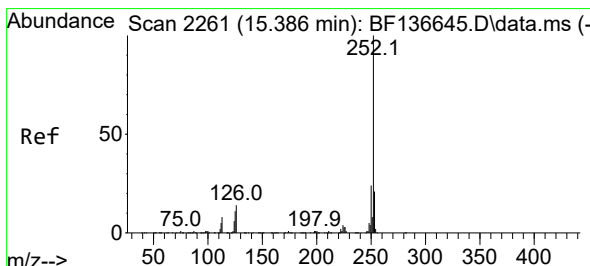
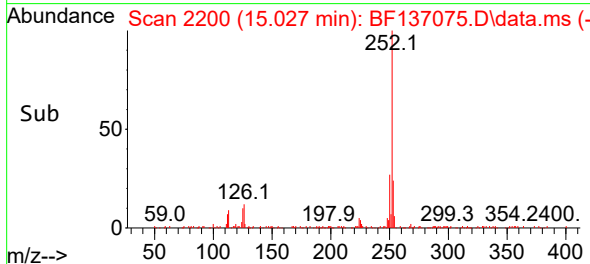
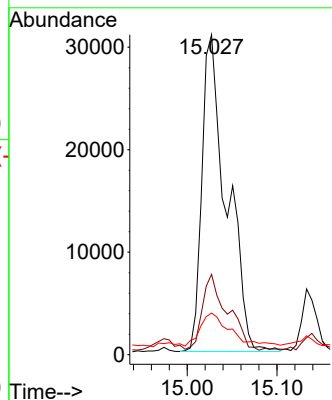
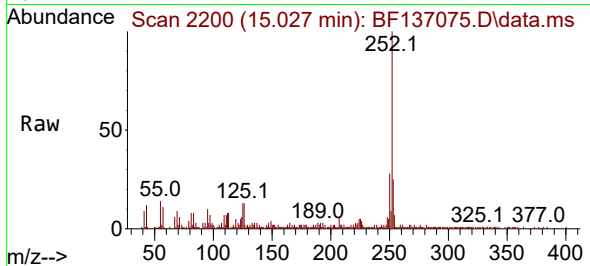




#89
Benzo(k)fluoranthene
Concen: 11.487 ng
RT: 15.027 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF137075.D
Acq: 15 Jan 2024 21:03

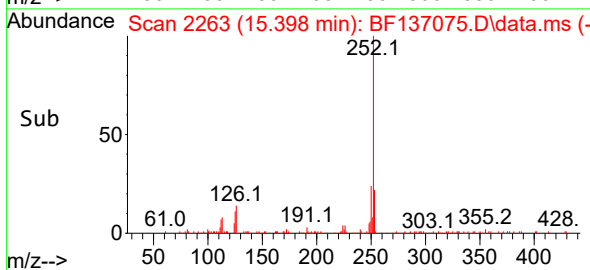
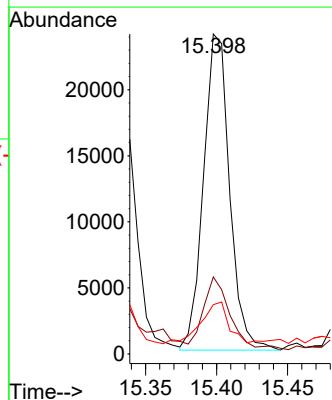
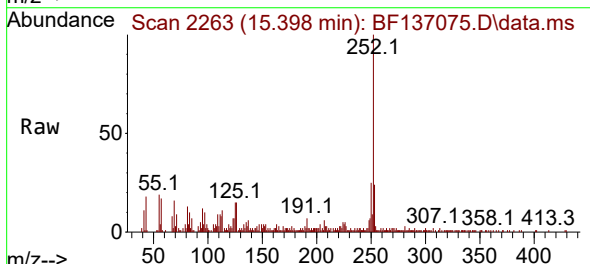
Instrument :
BNA_F
ClientSampleId :
MR-314-0-2

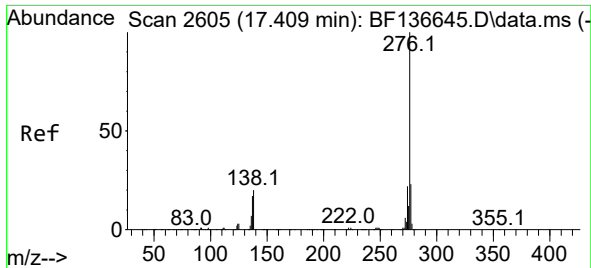
Tgt Ion:252 Resp: 59074
Ion Ratio Lower Upper
252 100
253 25.1 17.0 25.6
125 13.0 8.2 12.4#



#90
Benzo(a)pyrene
Concen: 6.654 ng
RT: 15.398 min Scan# 2263
Delta R.T. 0.012 min
Lab File: BF137075.D
Acq: 15 Jan 2024 21:03

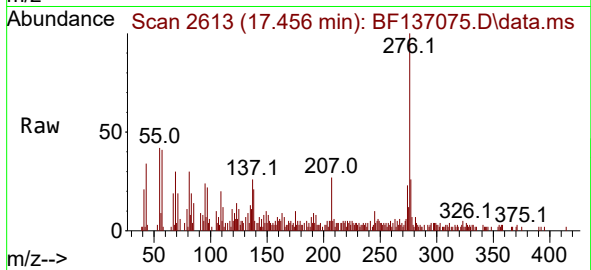
Tgt Ion:252 Resp: 30570
Ion Ratio Lower Upper
252 100
253 24.1 17.0 25.6
125 15.4 8.8 13.2#





#92
 Benzo(g,h,i)perylene
 Concen: 3.764 ng
 RT: 17.456 min Scan# 20
 Delta R.T. 0.047 min
 Lab File: BF137075.D
 Acq: 15 Jan 2024 21:03

Instrument :
 BNA_F
 ClientSampleId :
 MR-314-0-2



Tgt Ion:	276	Resp:	18607
Ion Ratio	Lower	Upper	
276	100		
277	25.7	18.3	27.5
138	21.5	15.6	23.4

