

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011024\
 Data File : BF137020.D
 Acq On : 10 Jan 2024 15:15
 Operator : CG\JU
 Sample : P1085-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: Jan 10 15:47:45 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

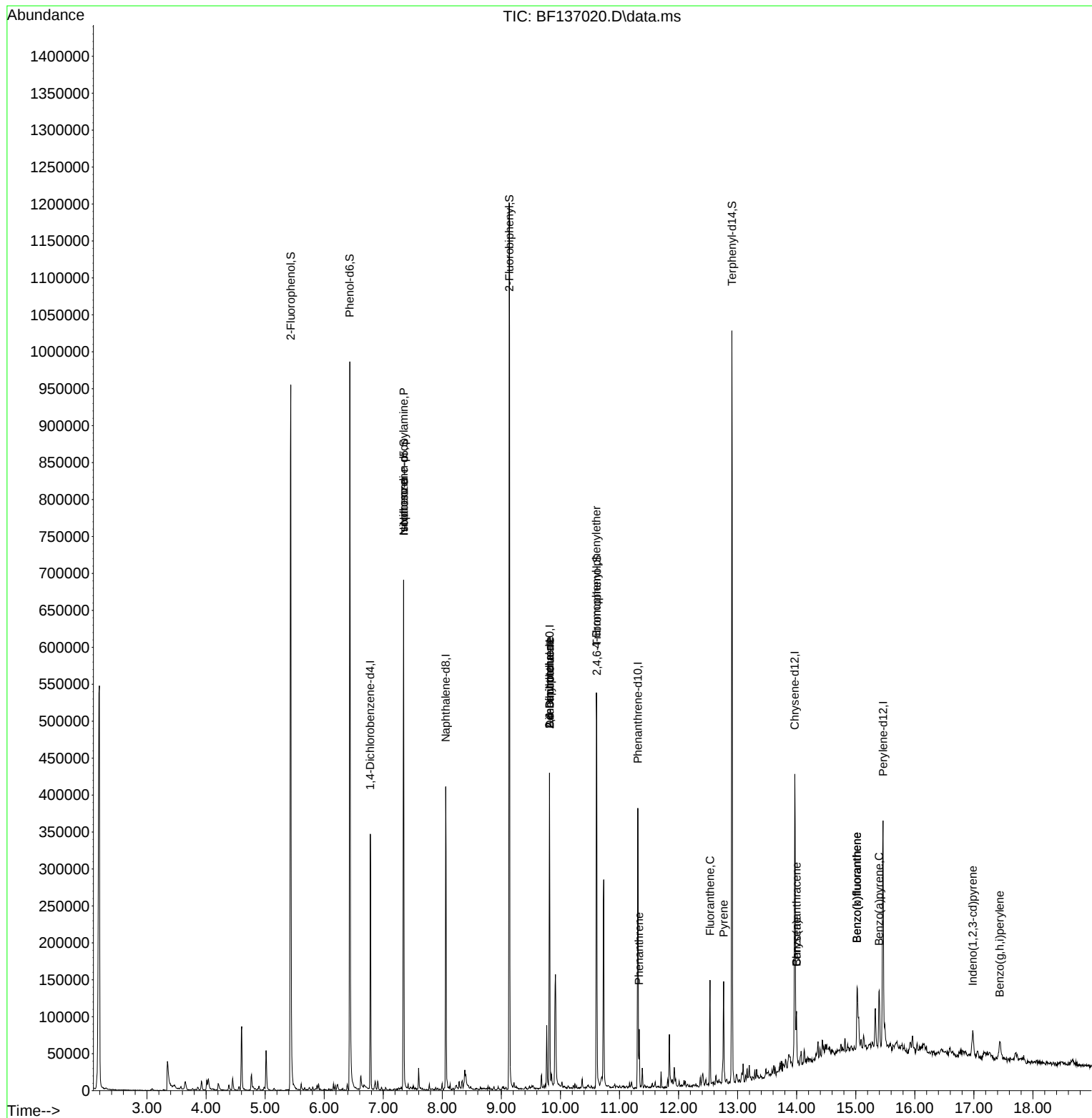
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	49325	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	176447	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	77929	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	133410	20.000	ng	0.00
76) Chrysene-d12	13.968	240	119993	20.000	ng	0.00
86) Perylene-d12	15.462	264	141784	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	278197	88.001	ng	0.00
7) Phenol-d6	6.434	99	326280	79.653	ng	0.00
23) Nitrobenzene-d5	7.345	82	198079	57.445	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	74010	80.640	ng	0.00
45) 2-Fluorobiphenyl	9.133	172	377049	65.075	ng	-0.02
79) Terphenyl-d14	12.904	244	356480	41.517	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.345	70	25913	10.436	ng	# 72
25) Isophorone	7.345	82	198077	31.569	ng	# 65
50) Dimethylphthalate	9.816	163	16265	2.857	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	9931	7.688	ng	# 30
57) 2,4-Dinitrotoluene	9.816	165	9931	5.922	ng	# 21
67) 4-Bromophenyl-phenylether	10.610	248	4228	2.854	ng	# 1
71) Phenanthrene	11.333	178	25583	3.737	ng	99
75) Fluoranthene	12.533	202	53235	7.270	ng	96
78) Pyrene	12.763	202	56068	4.760	ng	99
81) Benzo(a)anthracene	13.998	228	31211	3.746	ng	96
83) Chrysene	13.998	228	31211	3.831	ng	96
87) Indeno(1,2,3-cd)pyrene	16.980	276	22708	2.218	ng	93
88) Benzo(b)fluoranthene	15.021	252	65895	6.958	ng	# 96
89) Benzo(k)fluoranthene	15.021	252	65895	7.364	ng	98
90) Benzo(a)pyrene	15.398	252	39558	4.949	ng	97
92) Benzo(g,h,i)perylene	17.439	276	22760	2.646	ng	97

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

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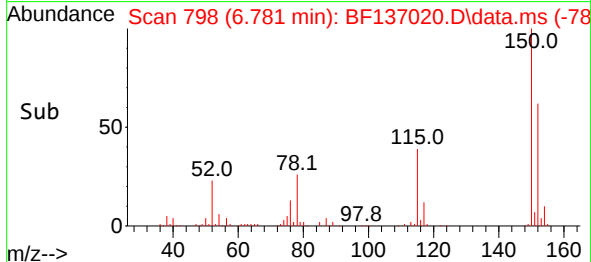
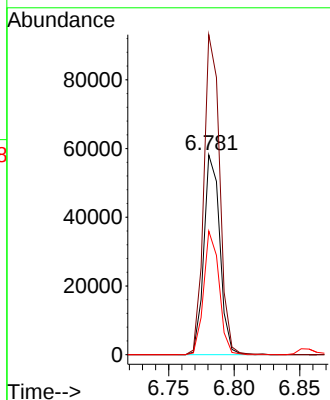
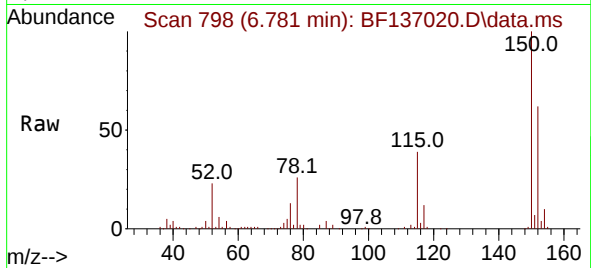




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF137020.D
Acq: 10 Jan 2024 15:15

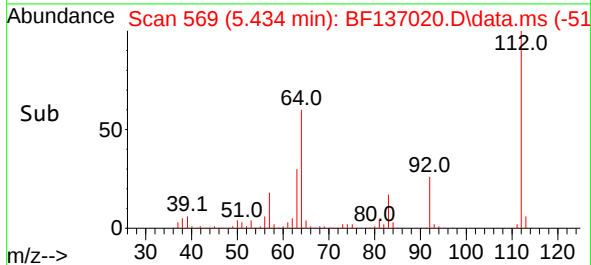
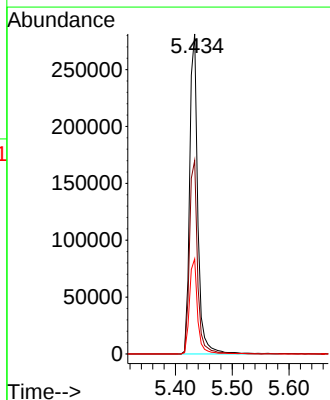
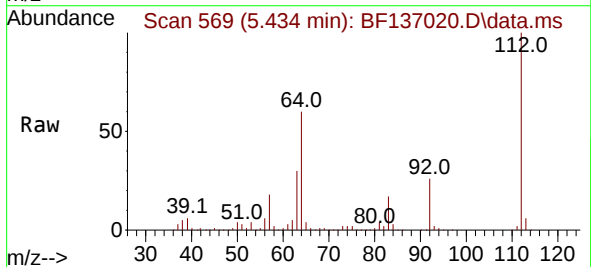
Instrument :
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ClientSampleId :
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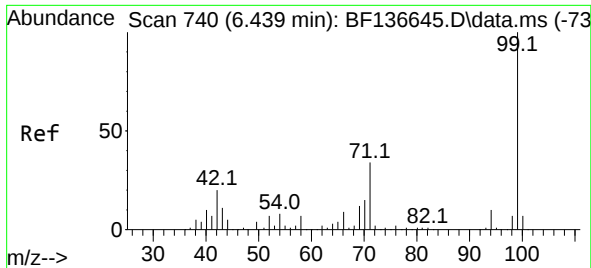
Tgt Ion:152 Resp: 49325
Ion Ratio Lower Upper
152 100
150 160.1 127.0 190.6
115 61.9 49.0 73.4



#5
2-Fluorophenol
Concen: 88.001 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF137020.D
Acq: 10 Jan 2024 15:15

Tgt Ion:112 Resp: 278197
Ion Ratio Lower Upper
112 100
64 60.5 51.1 76.7
63 29.7 26.1 39.1

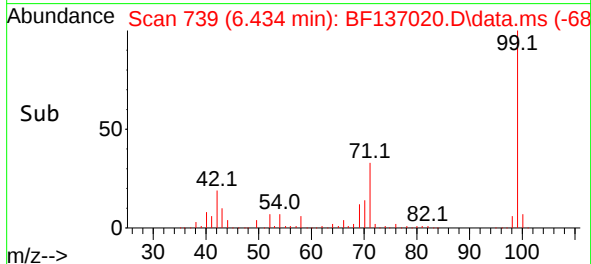
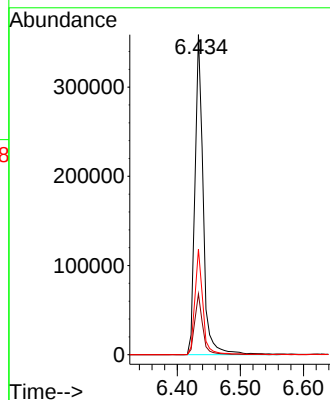
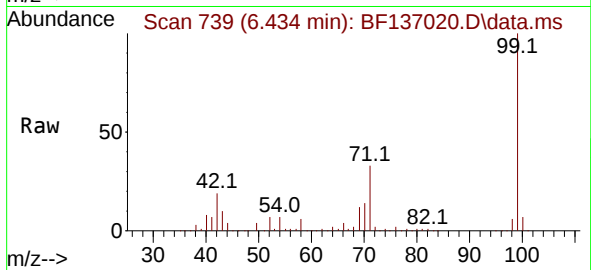




#7
Phenol-d6
Concen: 79.653 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137020.D
Acq: 10 Jan 2024 15:15

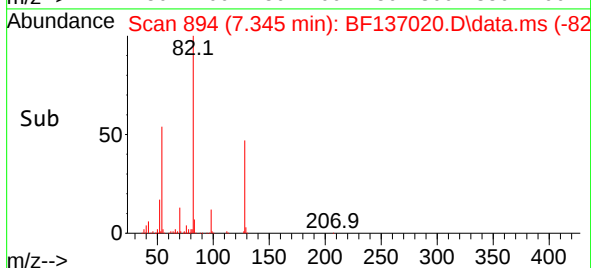
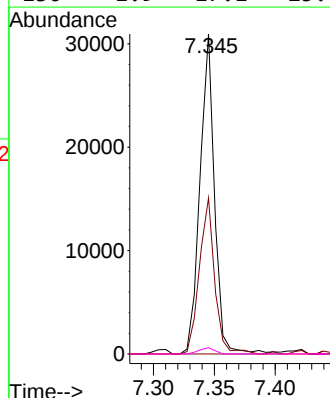
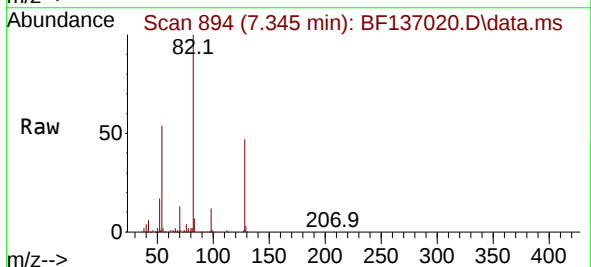
Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion: 99 Resp: 326280
Ion Ratio Lower Upper
99 100
42 19.0 16.1 24.1
71 33.0 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 10.436 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF137020.D
Acq: 10 Jan 2024 15:15

Tgt Ion: 70 Resp: 25913
Ion Ratio Lower Upper
70 100
42 48.7 54.2 81.4#
101 0.0 7.6 11.4#
130 1.9 17.1 25.7#



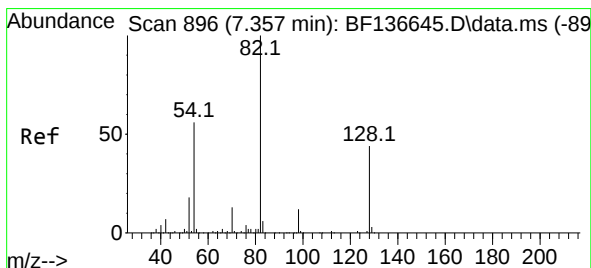
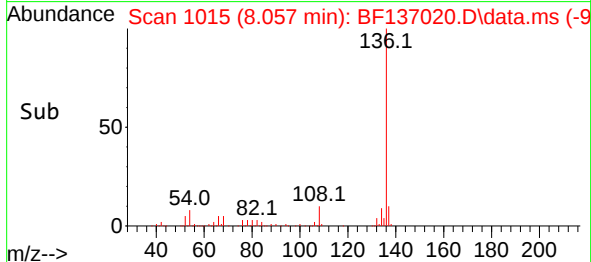
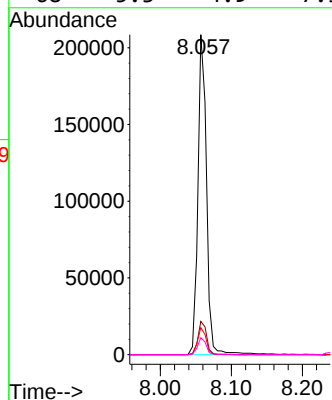
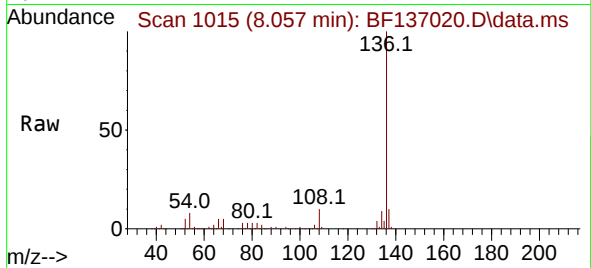


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF137020.D
Acq: 10 Jan 2024 15:15

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:136 Resp: 176447

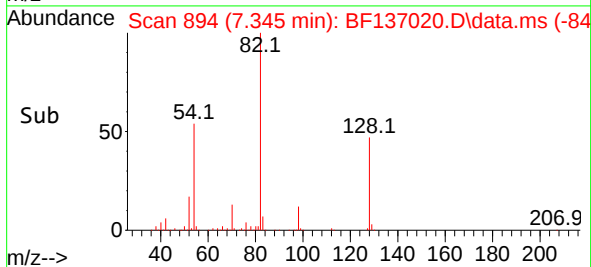
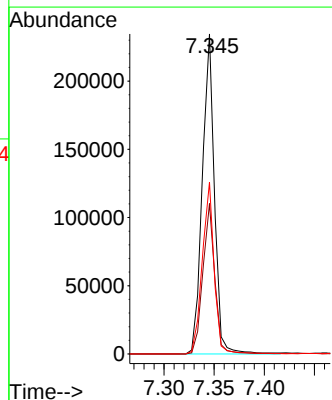
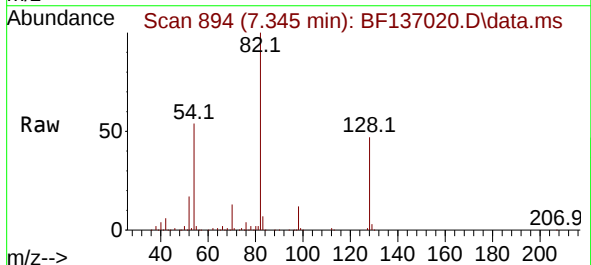
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.0	13.4
54	8.5	7.2	10.8
68	5.3	4.9	7.3

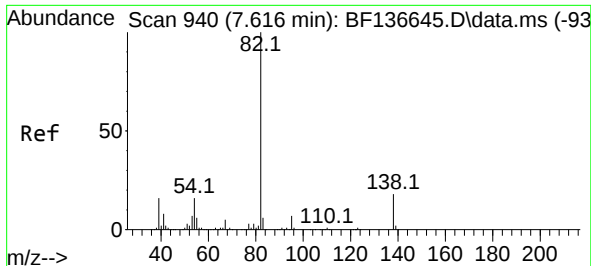


#23
Nitrobenzene-d5
Concen: 57.445 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF137020.D
Acq: 10 Jan 2024 15:15

Tgt Ion: 82 Resp: 198079

Ion	Ratio	Lower	Upper
82	100		
128	47.0	35.3	52.9
54	53.7	44.5	66.7

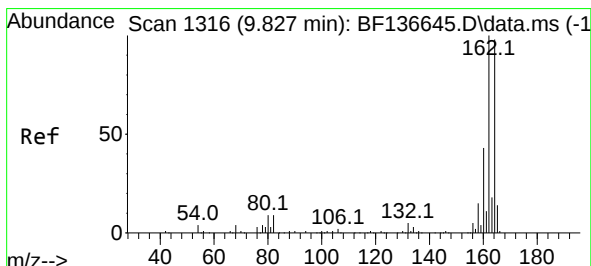
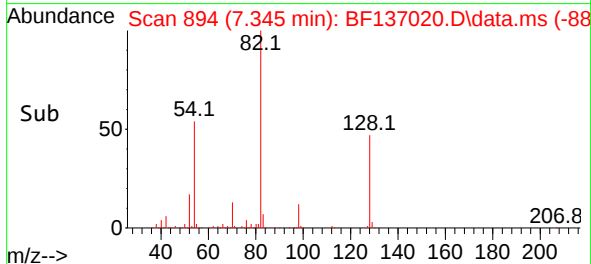
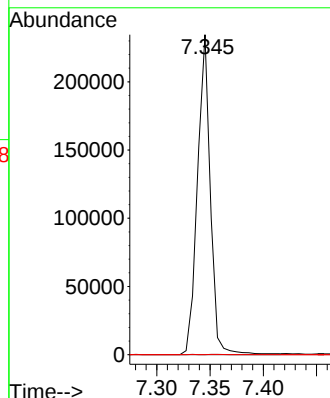
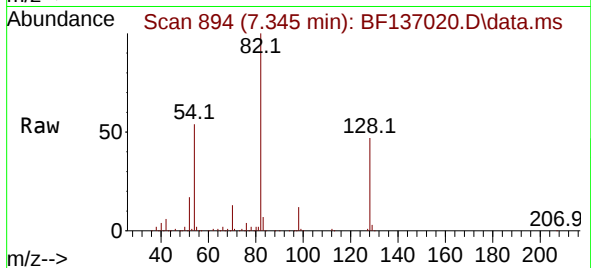




#25
Isophorone
Concen: 31.569 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.271 min
Lab File: BF137020.D
Acq: 10 Jan 2024 15:15

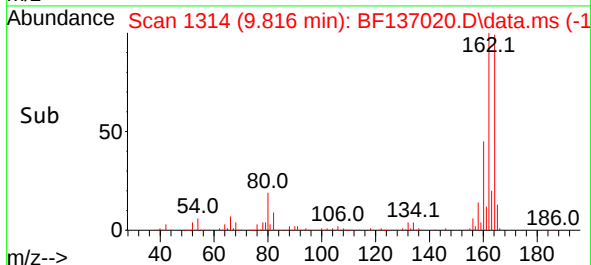
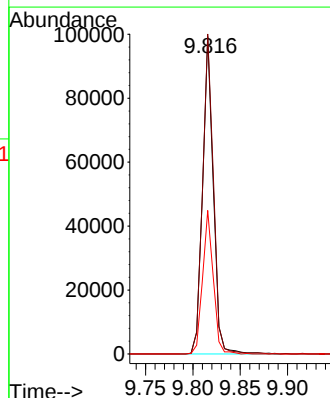
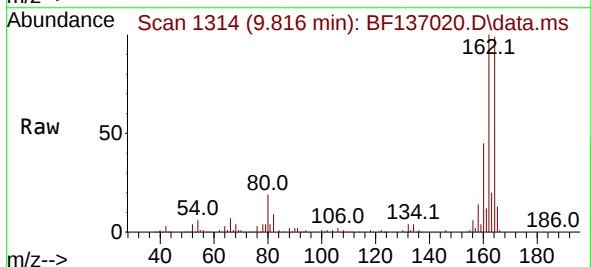
Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion: 82 Resp: 198077
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: BF137020.D
Acq: 10 Jan 2024 15:15

Tgt Ion: 164 Resp: 77929
Ion Ratio Lower Upper
164 100
162 100.8 81.6 122.4
160 45.2 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 80.640 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.006 min

Lab File: BF137020.D

Acq: 10 Jan 2024 15:15

Instrument :

BNA_F

ClientSampleId :

TP-1

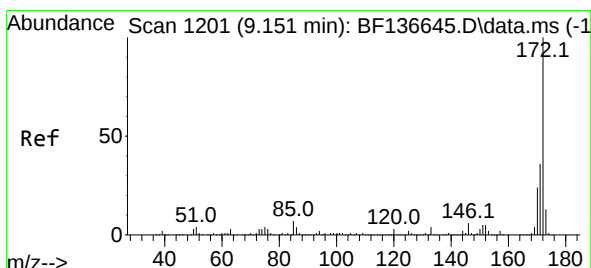
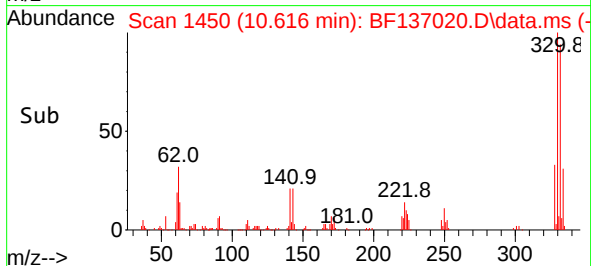
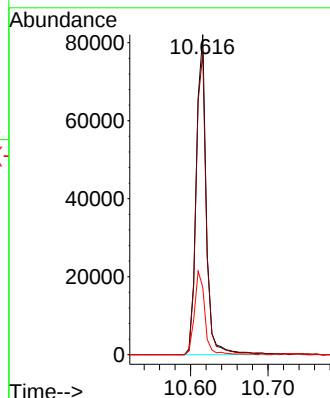
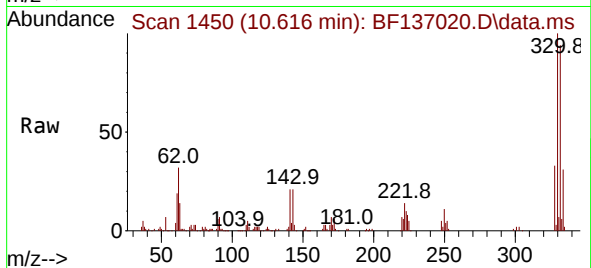
Tgt Ion:330 Resp: 74010

Ion Ratio Lower Upper

330 100

332 96.3 77.4 116.0

141 26.8 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 65.075 ng

RT: 9.133 min Scan# 1198

Delta R.T. -0.018 min

Lab File: BF137020.D

Acq: 10 Jan 2024 15:15

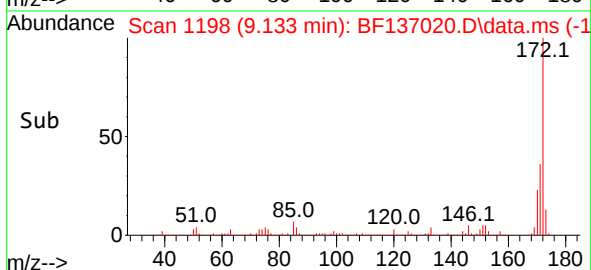
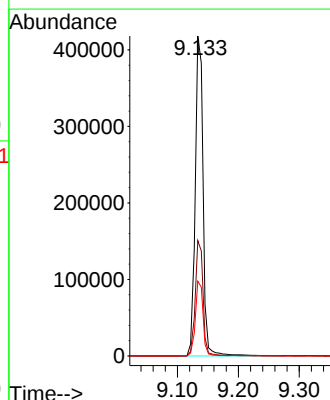
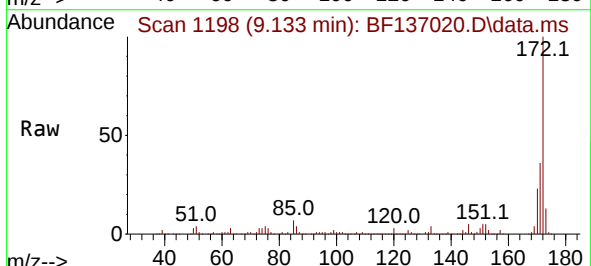
Tgt Ion:172 Resp: 377049

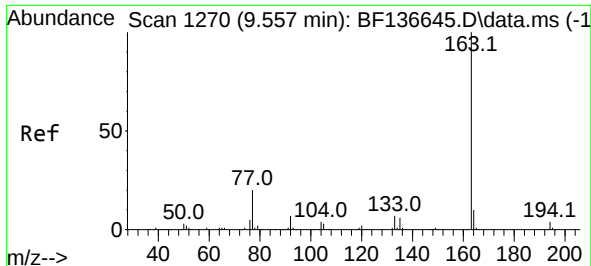
Ion Ratio Lower Upper

172 100

171 36.0 29.0 43.6

170 23.4 19.0 28.4

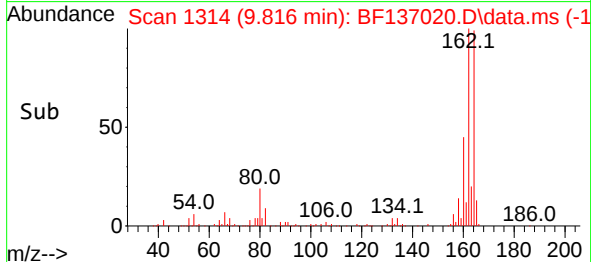
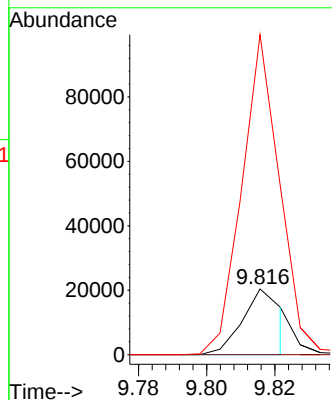
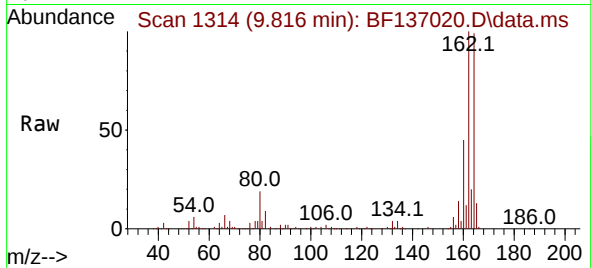




#50
Dimethylphthalate
Concen: 2.857 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF137020.D
Acq: 10 Jan 2024 15:15

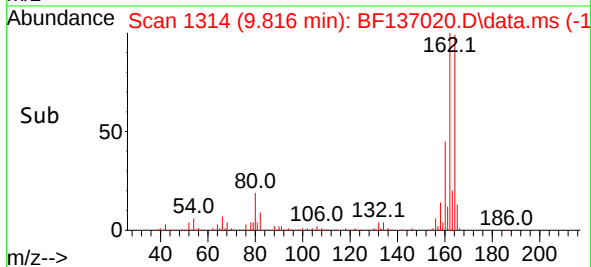
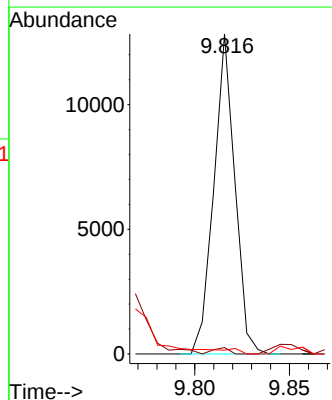
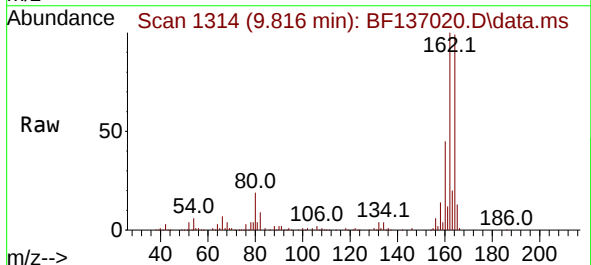
Instrument :
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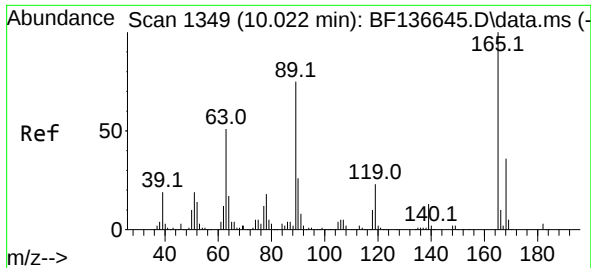
Tgt Ion:163 Resp: 16265
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 486.7 7.8 11.6#



#51
2,6-Dinitrotoluene
Concen: 7.688 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.194 min
Lab File: BF137020.D
Acq: 10 Jan 2024 15:15

Tgt Ion:165 Resp: 9931
Ion Ratio Lower Upper
165 100
63 2.0 39.8 59.6#
89 1.2 38.8 58.2#

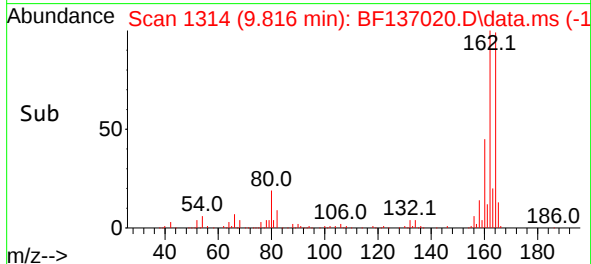
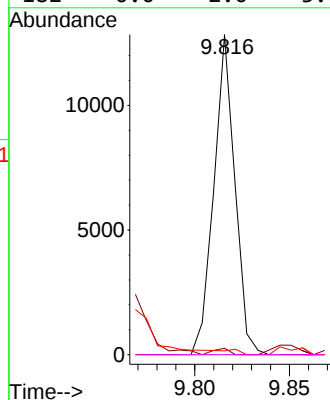
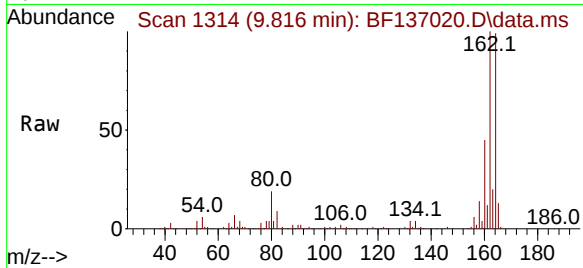




#57
2,4-Dinitrotoluene
Concen: 5.922 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF137020.D
Acq: 10 Jan 2024 15:15

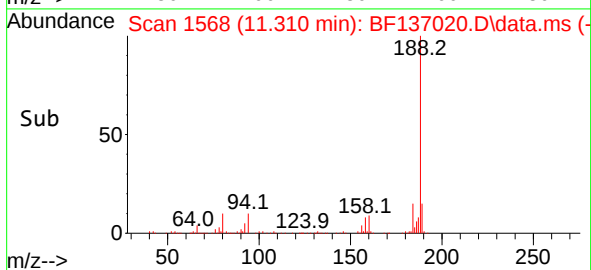
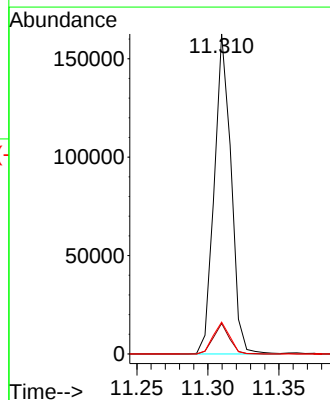
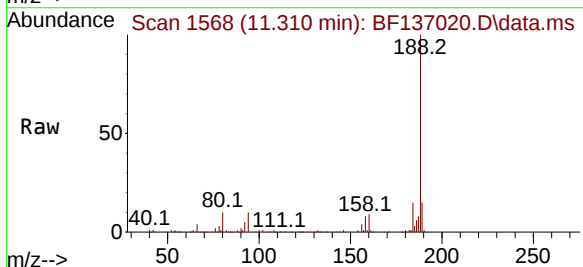
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ClientSampleId :
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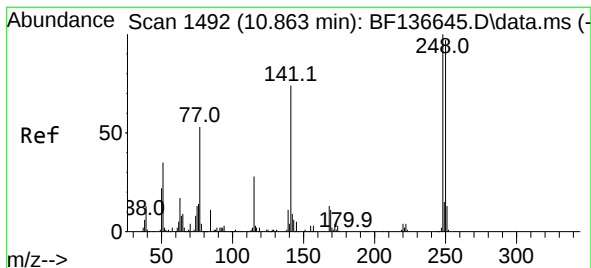
Tgt Ion:165 Resp: 9931
Ion Ratio Lower Upper
165 100
63 2.0 41.0 61.6#
89 1.2 59.9 89.9#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF137020.D
Acq: 10 Jan 2024 15:15

Tgt Ion:188 Resp: 133410
Ion Ratio Lower Upper
188 100
94 9.5 7.5 11.3
80 10.0 8.1 12.1

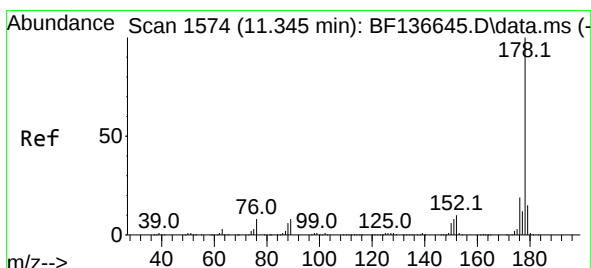
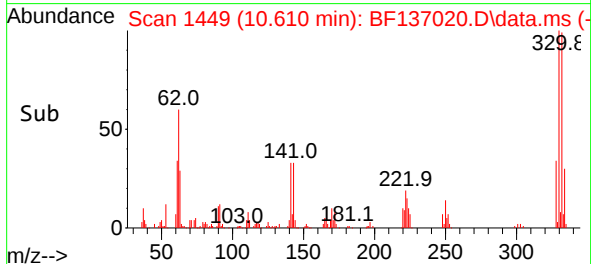
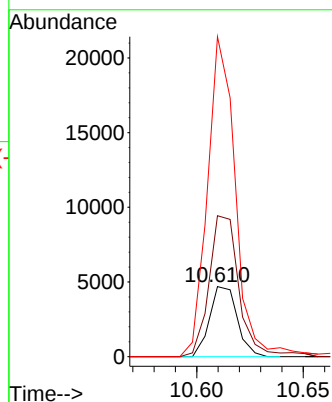
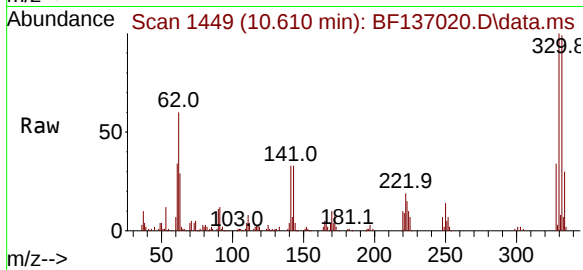




#67
4-Bromophenyl-phenylether
Concen: 2.854 ng
RT: 10.610 min Scan# 1492
Delta R.T. -0.253 min
Lab File: BF137020.D
Acq: 10 Jan 2024 15:15

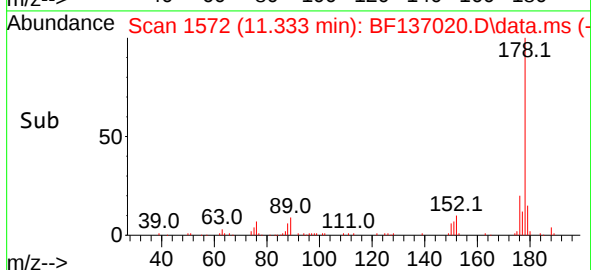
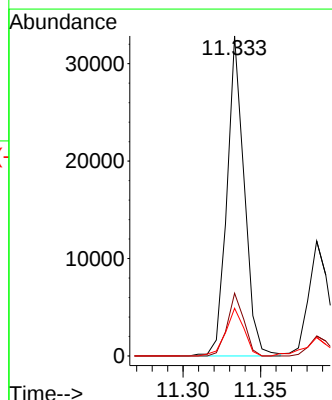
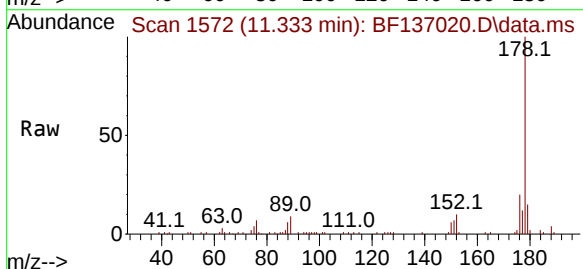
Instrument :
BNA_F
ClientSampleId :
TP-1

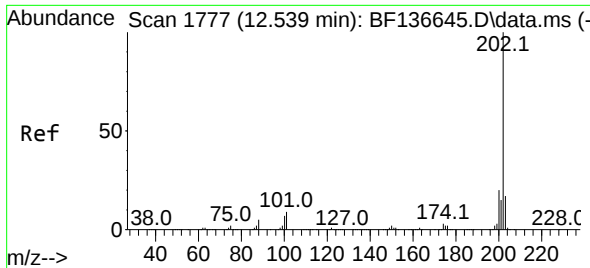
Tgt Ion:248 Resp: 4228
Ion Ratio Lower Upper
248 100
250 201.1 77.8 116.6#
141 456.7 59.2 88.8#



#71
Phenanthrene
Concen: 3.737 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF137020.D
Acq: 10 Jan 2024 15:15

Tgt Ion:178 Resp: 25583
Ion Ratio Lower Upper
178 100
176 19.6 15.3 22.9
179 14.9 11.9 17.9

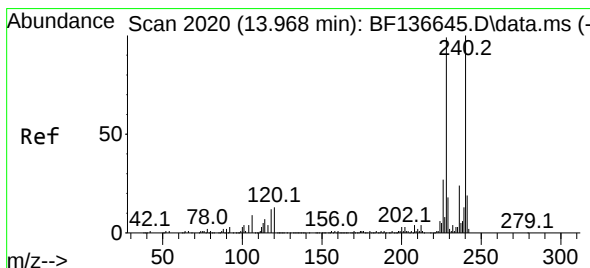
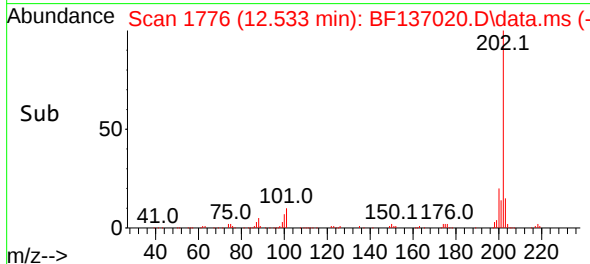
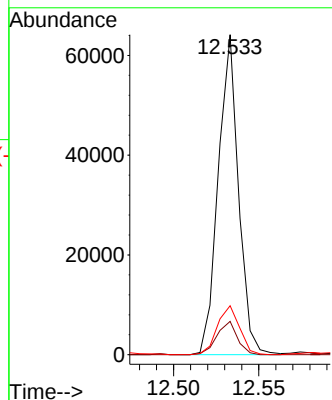
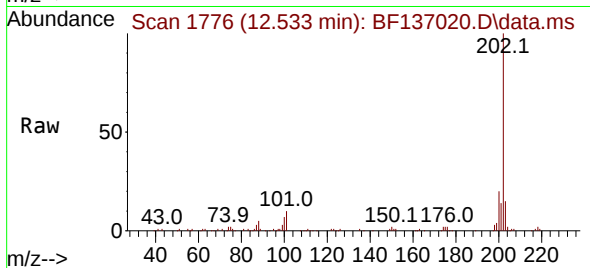




#75
Fluoranthene
Concen: 7.270 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF137020.D
Acq: 10 Jan 2024 15:15

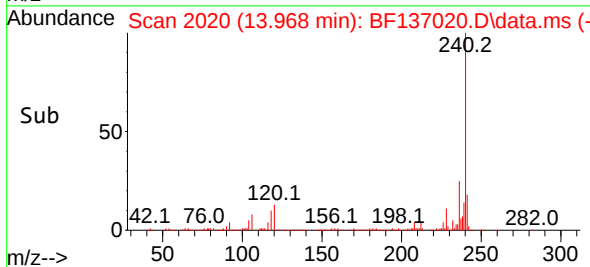
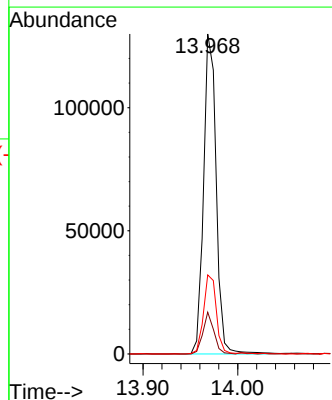
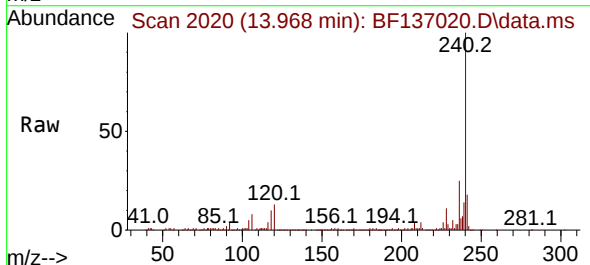
Instrument :
BNA_F
ClientSampleId :
TP-1

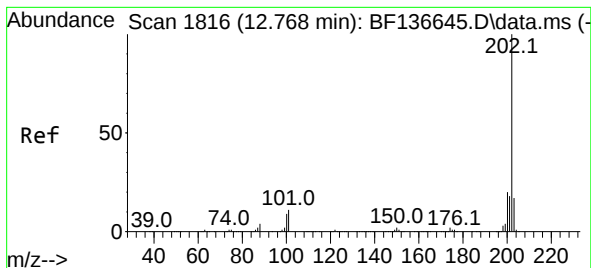
Tgt Ion:202 Resp: 53235
Ion Ratio Lower Upper
202 100
101 10.4 0.0 29.3
203 15.3 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF137020.D
Acq: 10 Jan 2024 15:15

Tgt Ion:240 Resp: 119993
Ion Ratio Lower Upper
240 100
120 13.0 10.3 15.5
236 24.7 19.4 29.2





#78

Pyrene

Concen: 4.760 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF137020.D

Acq: 10 Jan 2024 15:15

Instrument :

BNA_F

ClientSampleId :

TP-1

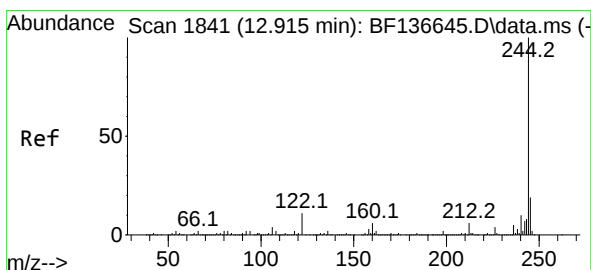
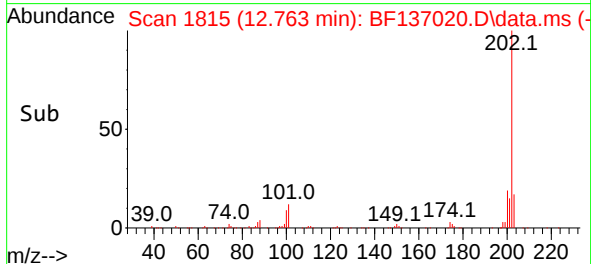
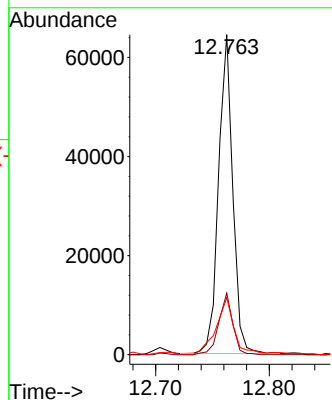
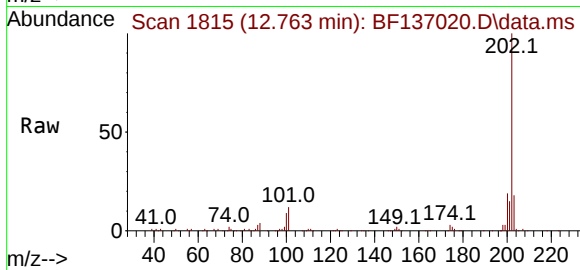
Tgt Ion:202 Resp: 56068

Ion Ratio Lower Upper

202 100

200 19.3 15.9 23.9

203 17.9 13.8 20.6



#79

Terphenyl-d14

Concen: 41.517 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.012 min

Lab File: BF137020.D

Acq: 10 Jan 2024 15:15

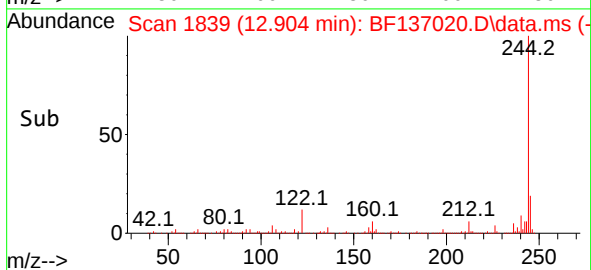
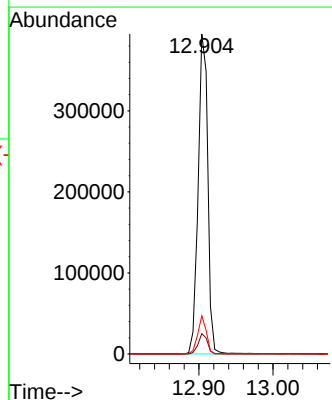
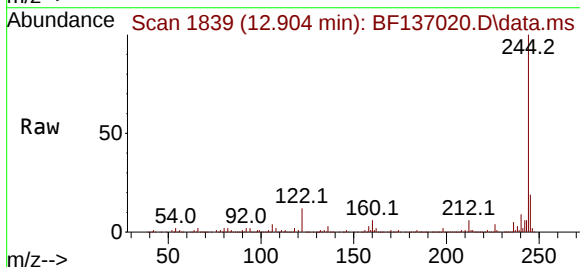
Tgt Ion:244 Resp: 356480

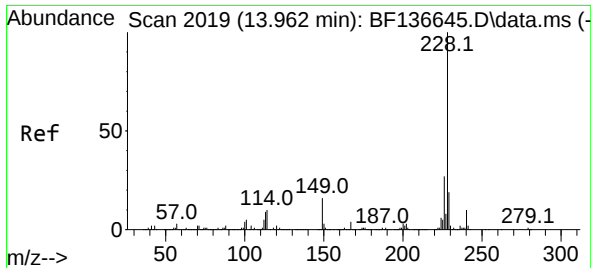
Ion Ratio Lower Upper

244 100

212 6.4 5.0 7.4

122 11.9 9.0 13.4

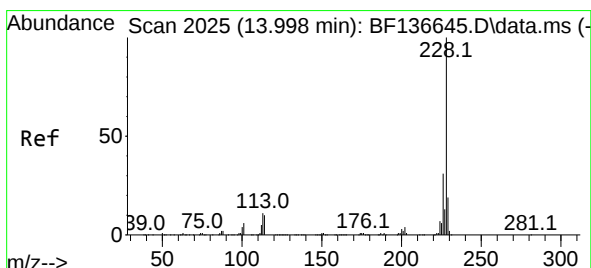
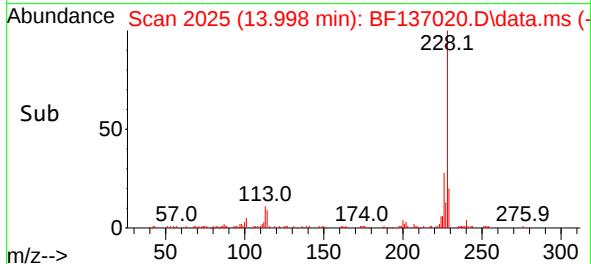
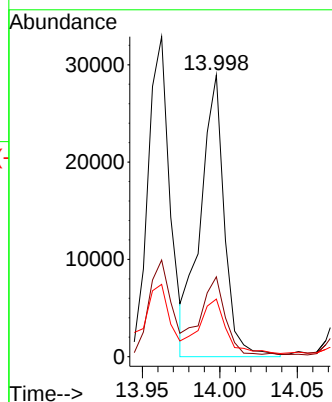
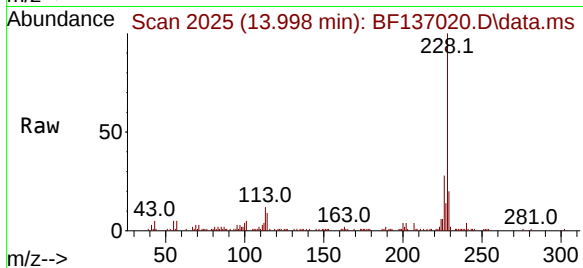




#81
Benzo(a)anthracene
Concen: 3.746 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.035 min
Lab File: BF137020.D
Acq: 10 Jan 2024 15:15

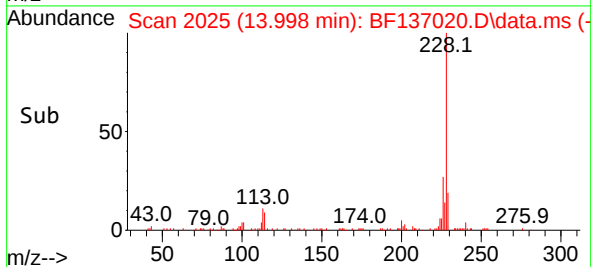
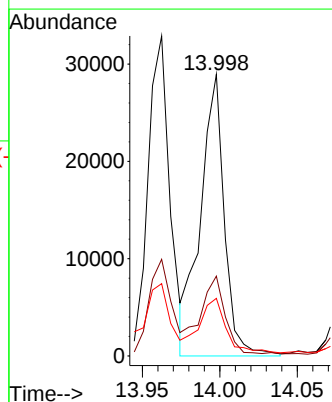
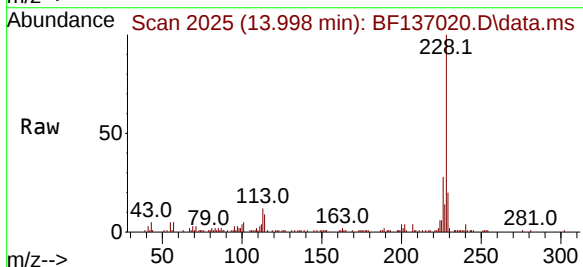
Instrument :
BNA_F
ClientSampleId :
TP-1

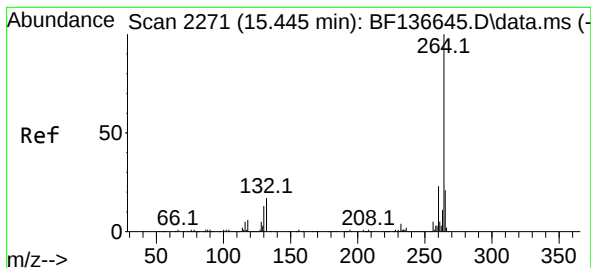
Tgt Ion:228 Resp: 31211
Ion Ratio Lower Upper
228 100
226 28.3 21.4 32.0
229 20.4 14.9 22.3



#83
Chrysene
Concen: 3.831 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF137020.D
Acq: 10 Jan 2024 15:15

Tgt Ion:228 Resp: 31211
Ion Ratio Lower Upper
228 100
226 28.3 24.7 37.1
229 20.4 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: BF137020.D

Acq: 10 Jan 2024 15:15

Instrument :

BNA_F

ClientSampleId :

TP-1

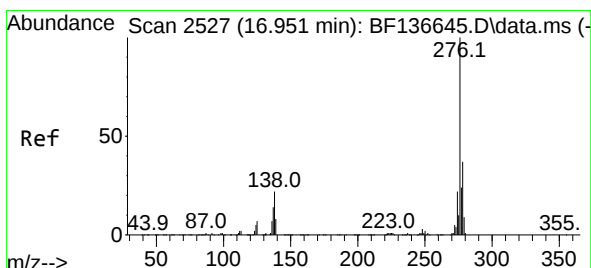
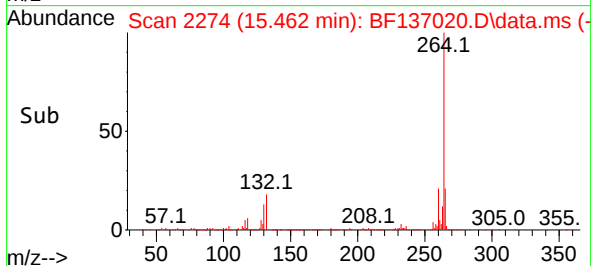
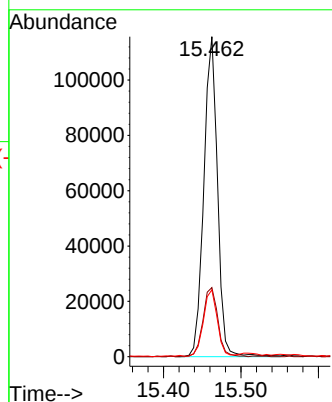
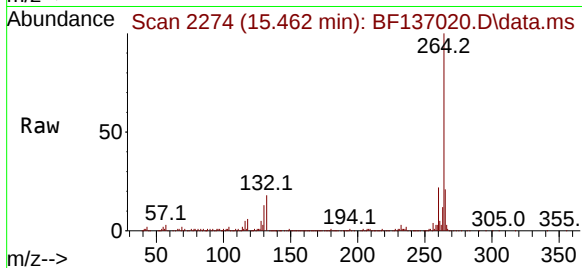
Tgt Ion:264 Resp: 141784

Ion Ratio Lower Upper

264 100

260 21.6 18.3 27.5

265 20.9 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.218 ng

RT: 16.980 min Scan# 2532

Delta R.T. 0.029 min

Lab File: BF137020.D

Acq: 10 Jan 2024 15:15

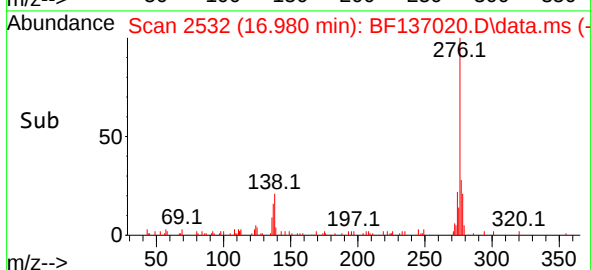
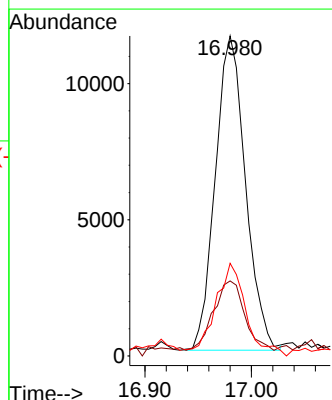
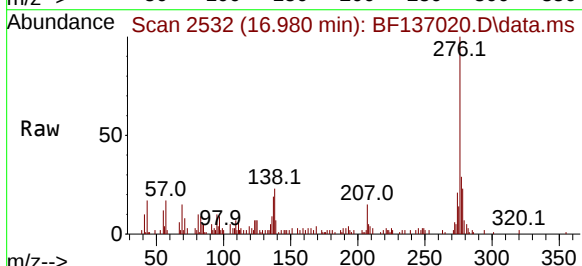
Tgt Ion:276 Resp: 22708

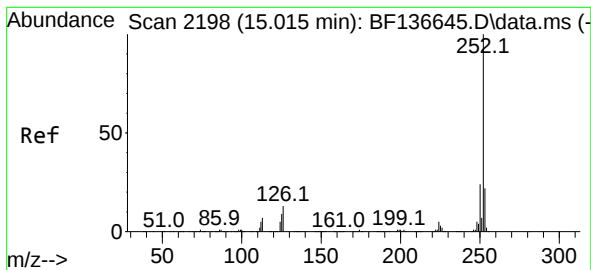
Ion Ratio Lower Upper

276 100

138 25.5 18.7 28.1

277 29.8 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 6.958 ng

RT: 15.021 min Scan# 2199

Delta R.T. 0.006 min

Lab File: BF137020.D

Acq: 10 Jan 2024 15:15

Instrument :

BNA_F

ClientSampleId :

TP-1

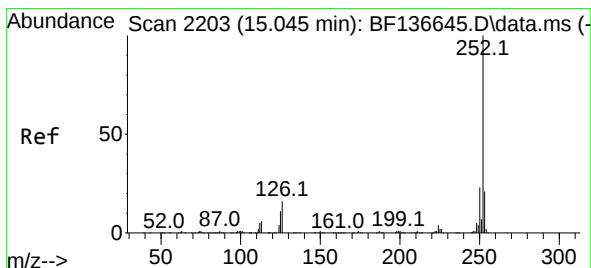
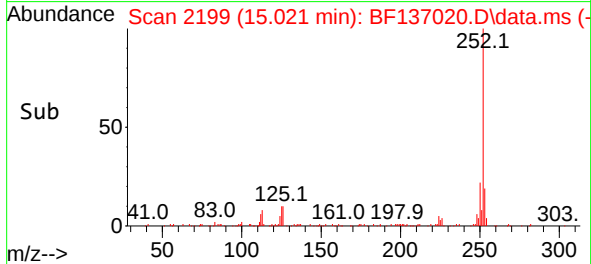
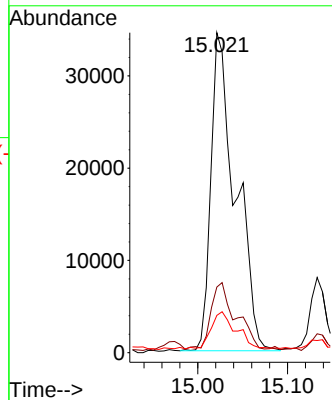
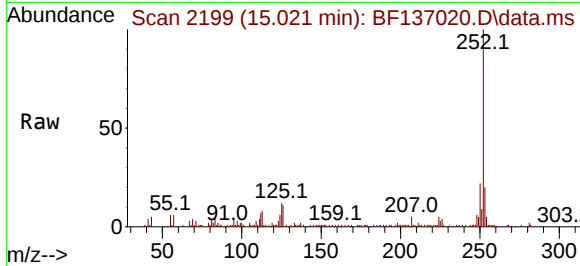
Tgt Ion:252 Resp: 65895

Ion Ratio Lower Upper

252 100

253 20.5 17.4 26.0

125 11.7 7.4 11.2#



#89

Benzo(k)fluoranthene

Concen: 7.364 ng

RT: 15.021 min Scan# 2199

Delta R.T. -0.024 min

Lab File: BF137020.D

Acq: 10 Jan 2024 15:15

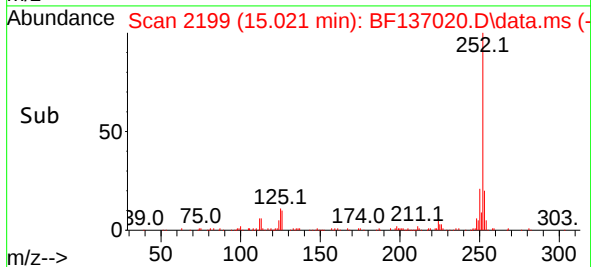
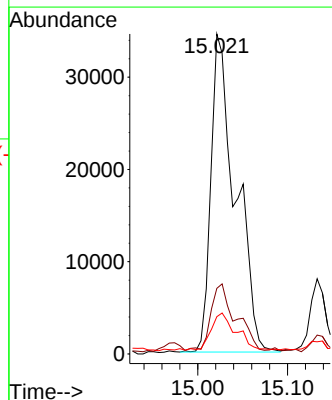
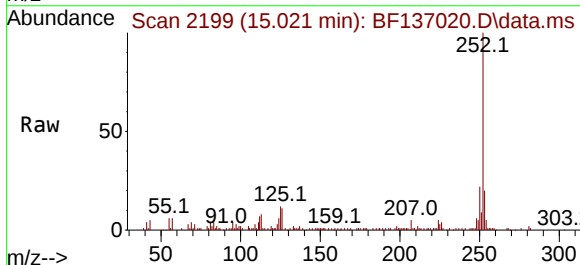
Tgt Ion:252 Resp: 65895

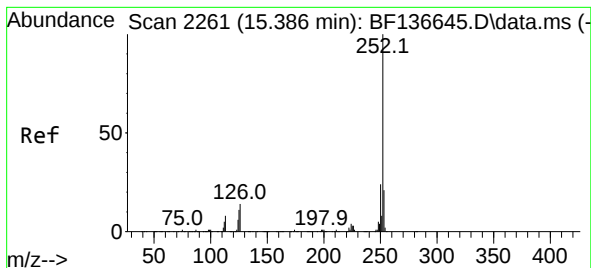
Ion Ratio Lower Upper

252 100

253 20.5 17.0 25.6

125 11.7 8.2 12.4





#90

Benzo(a)pyrene

Concen: 4.949 ng

RT: 15.398 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF137020.D

Acq: 10 Jan 2024 15:15

Instrument :

BNA_F

ClientSampleId :

TP-1

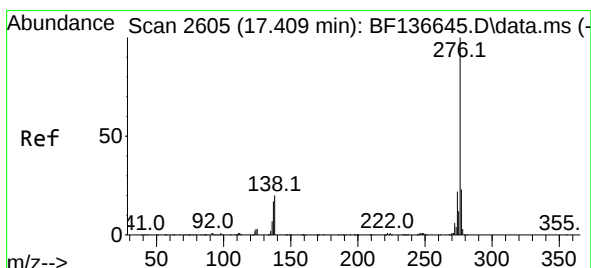
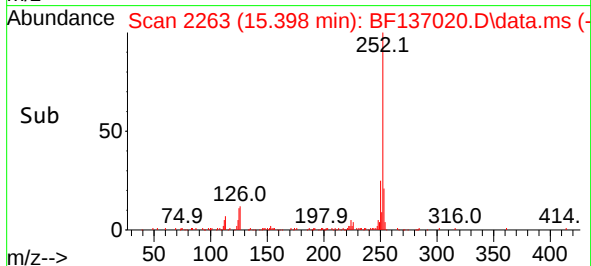
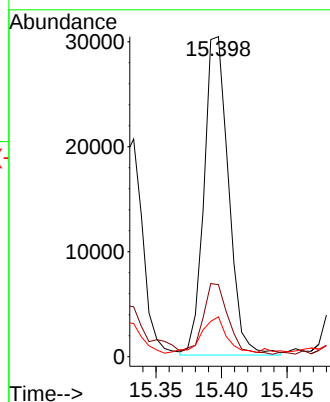
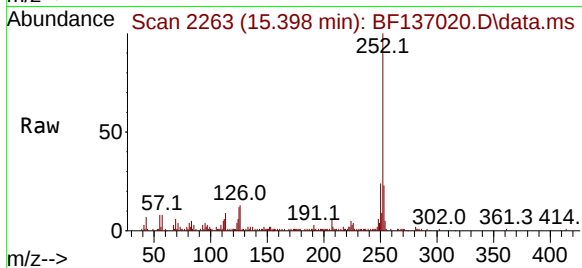
Tgt Ion:252 Resp: 39558

Ion Ratio Lower Upper

252 100

253 22.5 17.0 25.6

125 12.4 8.8 13.2



#92

Benzo(g,h,i)perylene

Concen: 2.646 ng

RT: 17.439 min Scan# 2610

Delta R.T. 0.029 min

Lab File: BF137020.D

Acq: 10 Jan 2024 15:15

Tgt Ion:276 Resp: 22760

Ion Ratio Lower Upper

276 100

277 23.3 18.3 27.5

138 22.3 15.6 23.4

