

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101124\
 Data File : BF139769.D
 Acq On : 11 Oct 2024 12:25
 Operator : RC/JU
 Sample : P4364-16
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-08-0.167-0.667

Quant Time: Oct 11 13:02:02 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 02 04:58:47 2024
 Response via : Initial Calibration

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

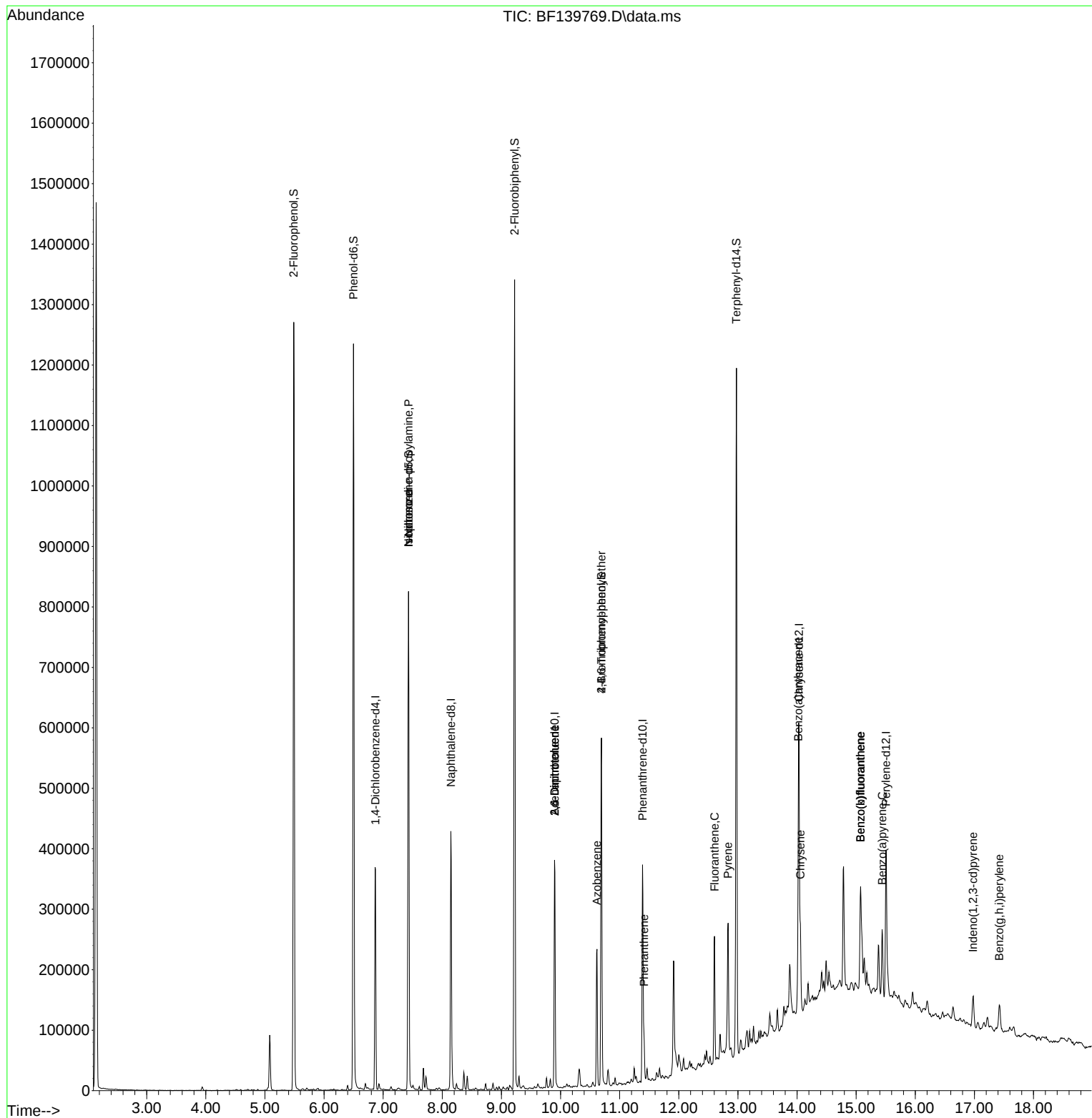
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	75937	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	257531	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	113003	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	186447	20.000	ng	0.00
76) Chrysene-d12	14.033	240	172632	20.000	ng	0.00
86) Perylene-d12	15.504	264	134655	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	442150	100.920	ng	0.00
7) Phenol-d6	6.498	99	539938	91.643	ng	0.00
23) Nitrobenzene-d5	7.428	82	344487	67.726	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	91044	83.461	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	565870	76.875	ng	0.00
79) Terphenyl-d14	12.974	244	548787	52.161	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	45749	12.078	ng	# 74
25) Isophorone	7.428	82	342194	37.878	ng	# 66
51) 2,6-Dinitrotoluene	9.898	165	14227	8.514	ng	# 19
57) 2,4-Dinitrotoluene	9.898	165	14227	6.514	ng	# 18
63) Azobenzene	10.616	77	60206	7.835	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	6499	3.400	ng	# 1
71) Phenanthrene	11.410	178	39531	4.497	ng	98
75) Fluoranthene	12.604	202	117417	12.218	ng	99
78) Pyrene	12.833	202	121693	7.882	ng	99
81) Benzo(a)anthracene	14.021	228	93498	8.238	ng	94
83) Chrysene	14.057	228	75244	7.251	ng	97
87) Indeno(1,2,3-cd)pyrene	16.974	276	34966	4.412	ng	98
88) Benzo(b)fluoranthene	15.074	252	138386	15.894	ng	# 96
89) Benzo(k)fluoranthene	15.074	252	138386	18.737	ng	# 96
90) Benzo(a)pyrene	15.439	252	64779	9.436	ng	# 94
92) Benzo(g,h,i)perylene	17.421	276	35390	5.368	ng	98

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

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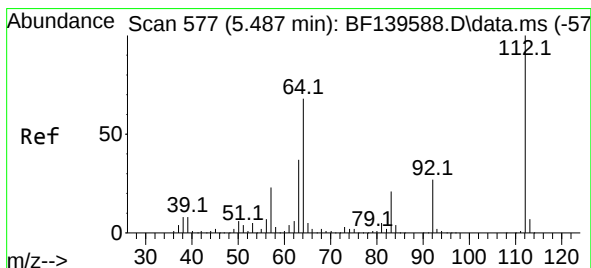
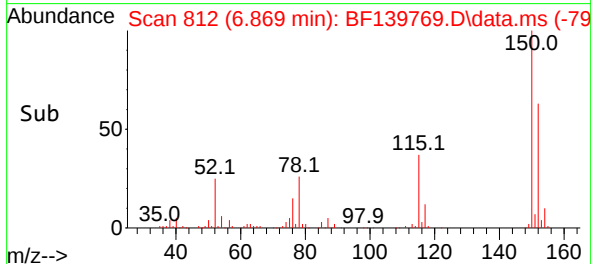
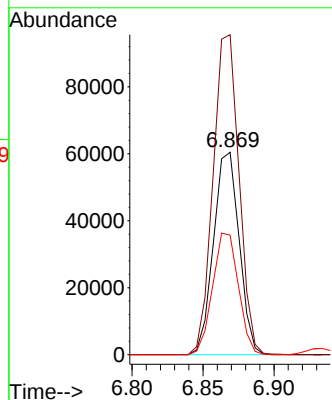
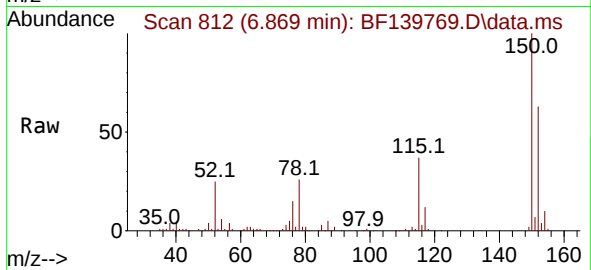




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 812
Delta R.T. 0.000 min
Lab File: BF139769.D
Acq: 11 Oct 2024 12:25

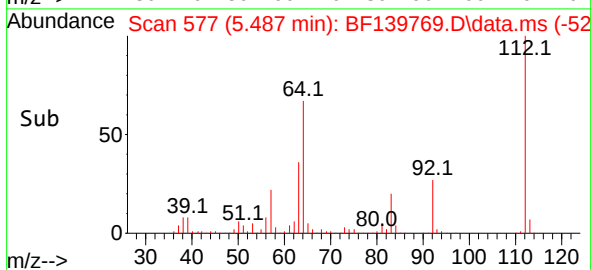
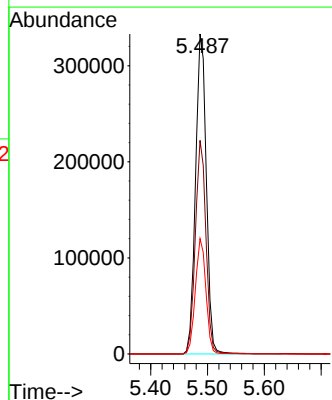
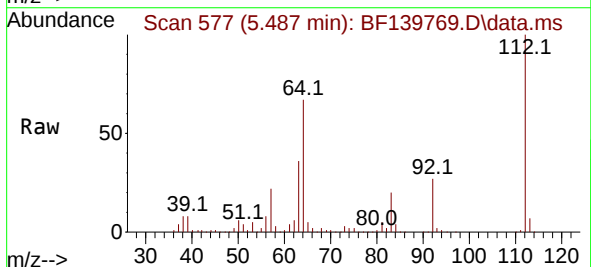
Instrument :
BNA_F
ClientSampleId :
SB-08-0.167-0.667

Tgt Ion:152 Resp: 75937
Ion Ratio Lower Upper
152 100
150 158.1 127.2 190.8
115 59.1 49.0 73.4



#5
2-Fluorophenol
Concen: 100.920 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.000 min
Lab File: BF139769.D
Acq: 11 Oct 2024 12:25

Tgt Ion:112 Resp: 442150
Ion Ratio Lower Upper
112 100
64 66.8 54.2 81.4
63 36.0 29.4 44.2

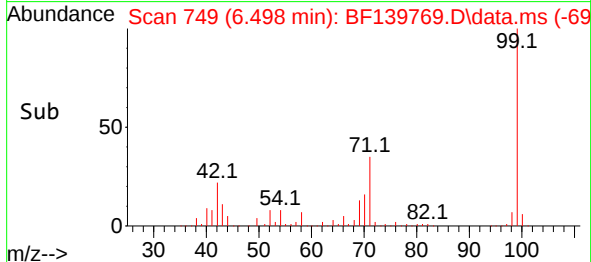
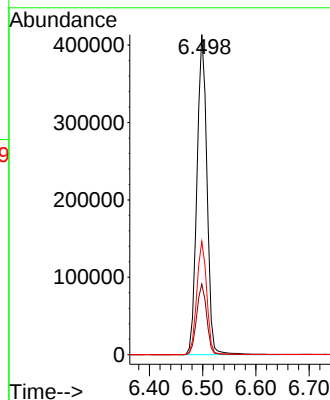
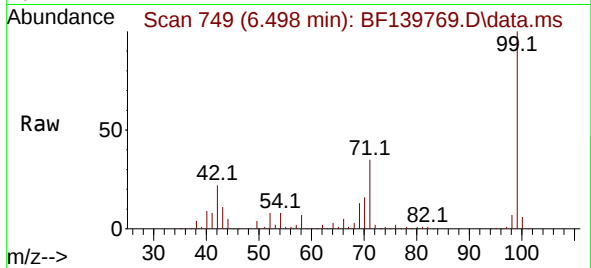




#7
Phenol-d6
Concen: 91.643 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF139769.D
Acq: 11 Oct 2024 12:25

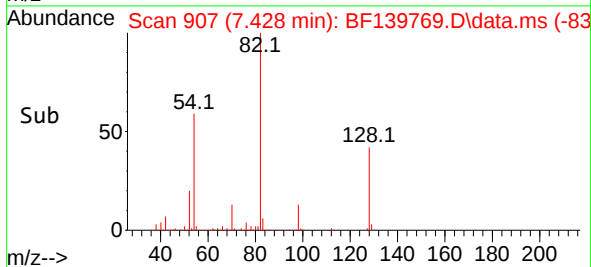
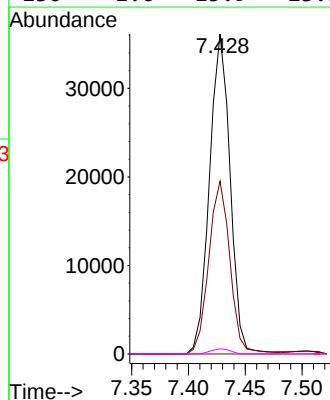
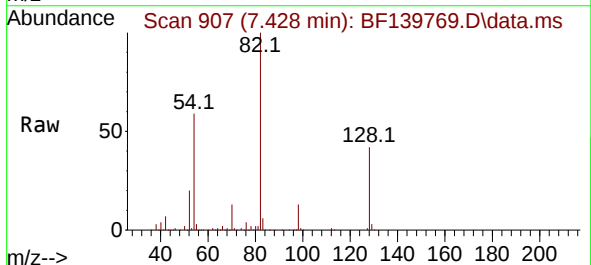
Instrument :
BNA_F
ClientSampleId :
SB-08-0.167-0.667

Tgt Ion: 99 Resp: 539938
Ion Ratio Lower Upper
99 100
42 22.0 19.1 28.7
71 35.4 29.7 44.5



#19
n-Nitroso-di-n-propylamine
Concen: 12.078 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.141 min
Lab File: BF139769.D
Acq: 11 Oct 2024 12:25

Tgt Ion: 70 Resp: 45749
Ion Ratio Lower Upper
70 100
42 54.0 58.0 87.0#
101 0.0 7.8 11.8#
130 1.6 15.9 23.9#



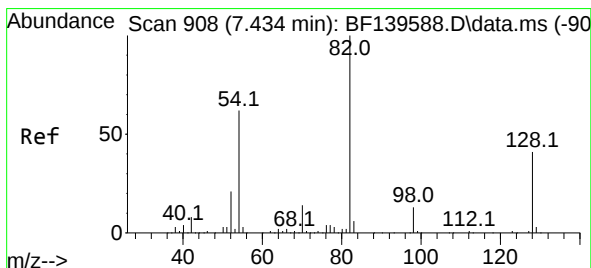
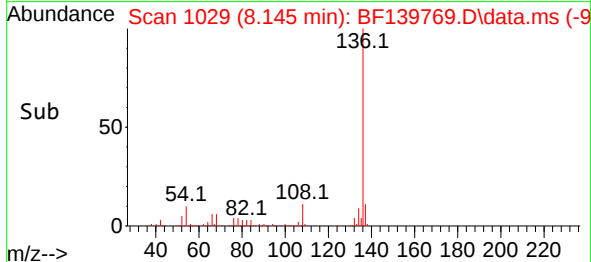
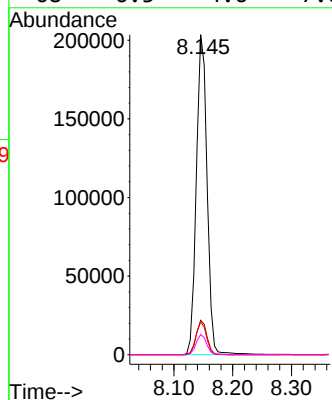
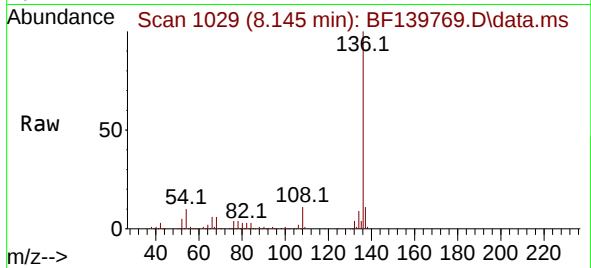


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF139769.D
Acq: 11 Oct 2024 12:25

Instrument :
BNA_F
ClientSampleId :
SB-08-0.167-0.667

Tgt Ion:136 Resp: 257531

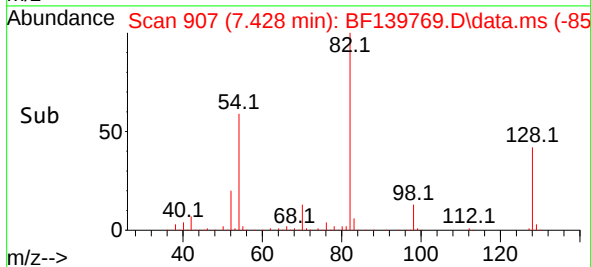
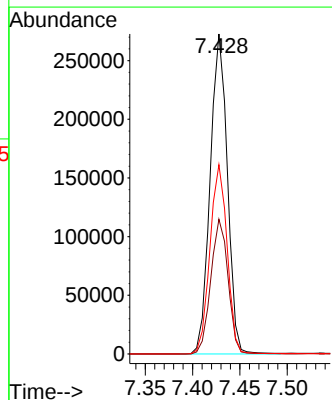
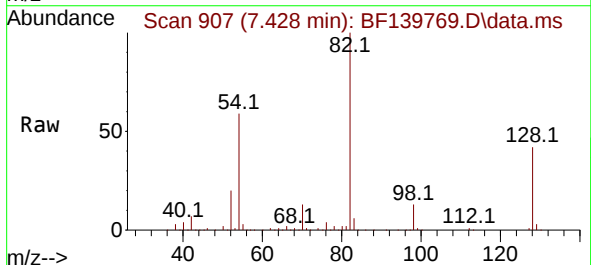
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	10.2	8.3	12.5
68	6.3	4.6	7.0



#23
Nitrobenzene-d5
Concen: 67.726 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.006 min
Lab File: BF139769.D
Acq: 11 Oct 2024 12:25

Tgt Ion: 82 Resp: 344487

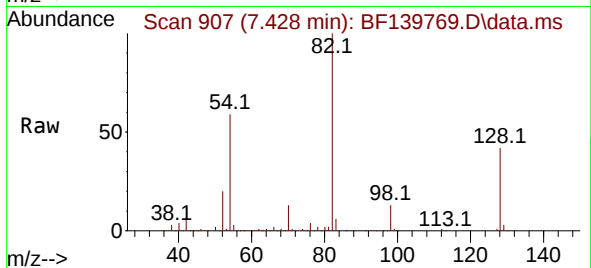
Ion	Ratio	Lower	Upper
82	100		
128	42.1	32.4	48.6
54	59.1	49.1	73.7



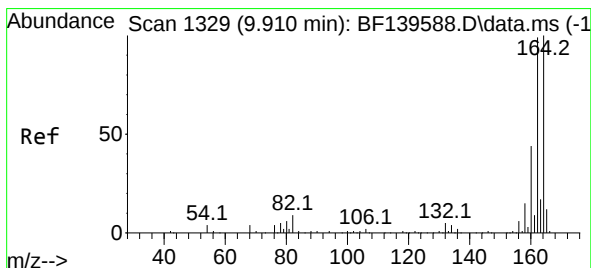
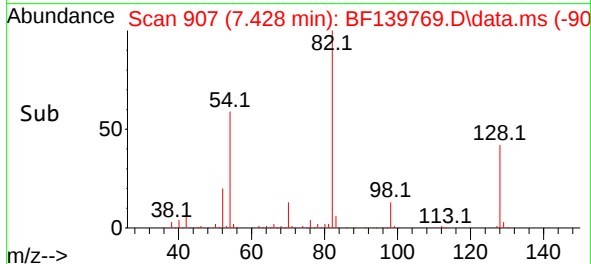
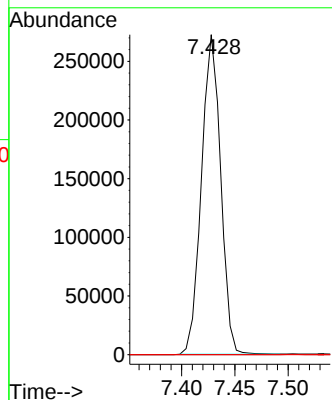


#25
Isophorone
Concen: 37.878 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF139769.D
Acq: 11 Oct 2024 12:25

Instrument :
BNA_F
ClientSampleId :
SB-08-0.167-0.667

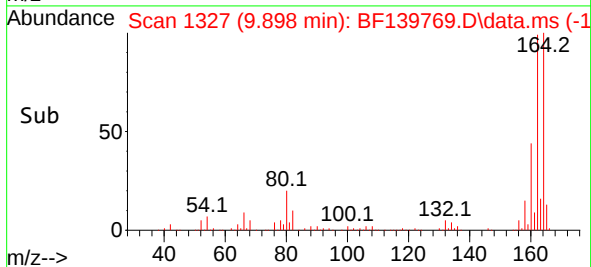
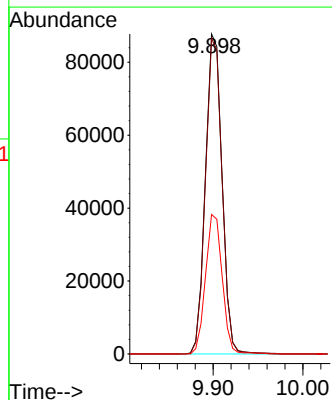
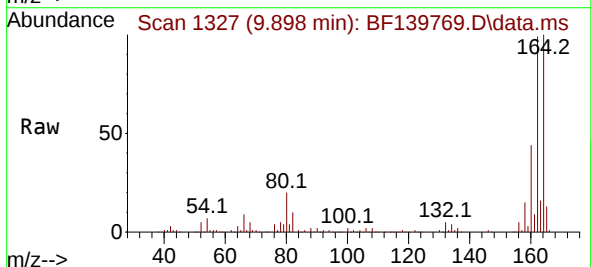


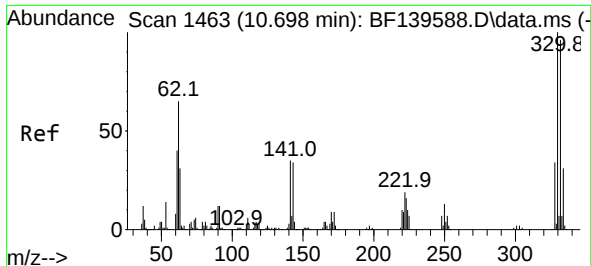
Tgt Ion: 82 Resp: 342194
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 13.4 20.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.012 min
Lab File: BF139769.D
Acq: 11 Oct 2024 12:25

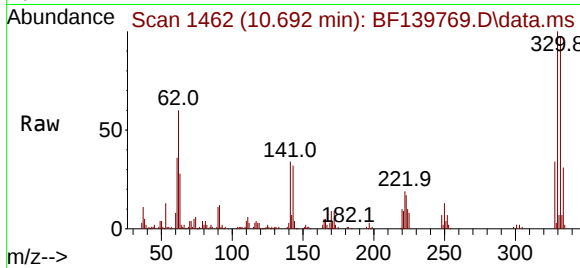
Tgt Ion:164 Resp: 113003
Ion Ratio Lower Upper
164 100
162 98.6 79.4 119.0
160 43.6 35.1 52.7



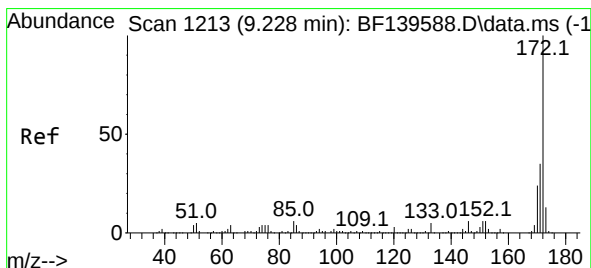
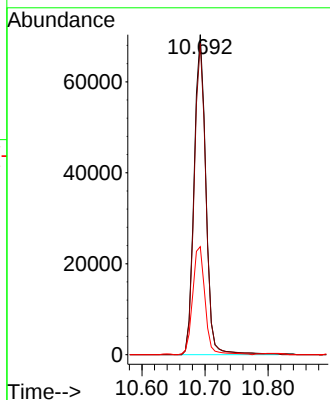
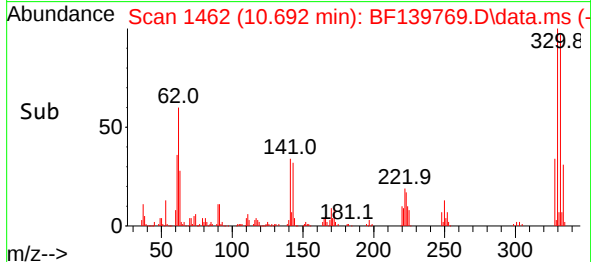


#42
2,4,6-Tribromophenol
Concen: 83.461 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF139769.D
Acq: 11 Oct 2024 12:25

Instrument :
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SB-08-0.167-0.667

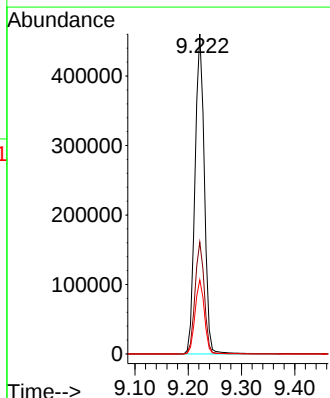
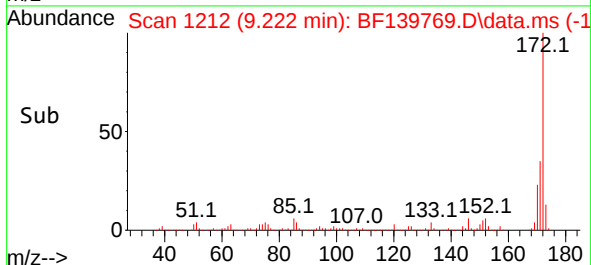
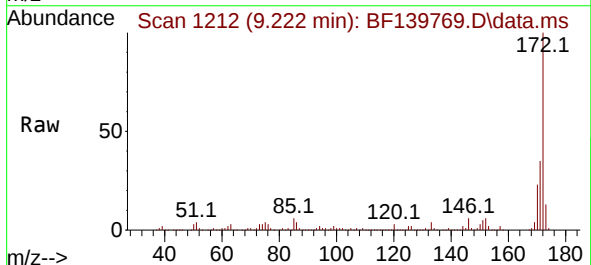


Tgt Ion: 330 Resp: 91044
Ion Ratio Lower Upper
330 100
332 96.9 76.5 114.7
141 35.5 29.3 43.9



#45
2-Fluorobiphenyl
Concen: 76.875 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF139769.D
Acq: 11 Oct 2024 12:25

Tgt Ion: 172 Resp: 565870
Ion Ratio Lower Upper
172 100
171 34.9 28.2 42.4
170 23.1 18.8 28.2

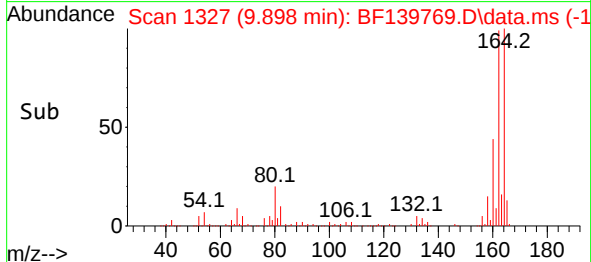
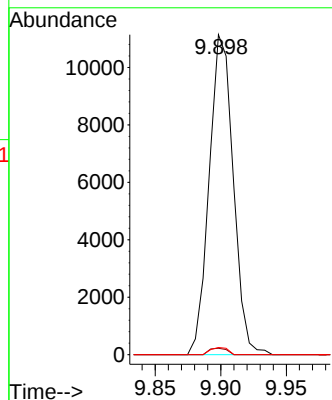
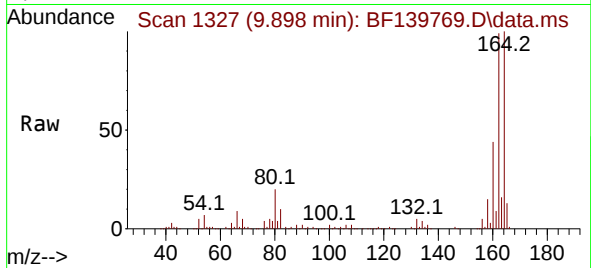




#51
2,6-Dinitrotoluene
Concen: 8.514 ng
RT: 9.898 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF139769.D
Acq: 11 Oct 2024 12:25

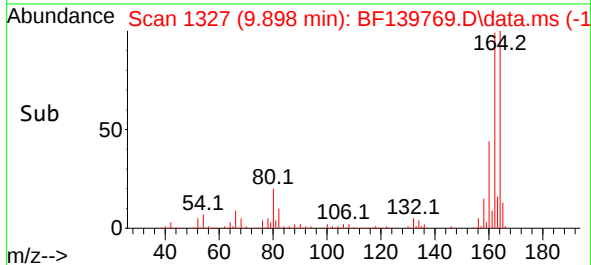
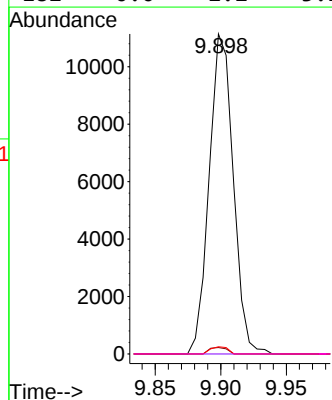
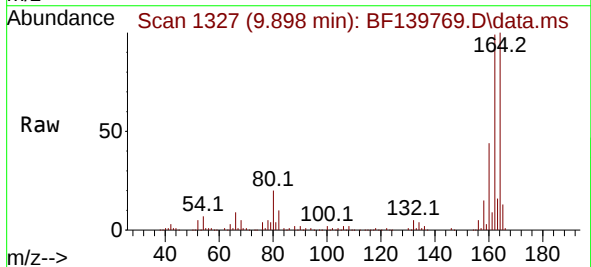
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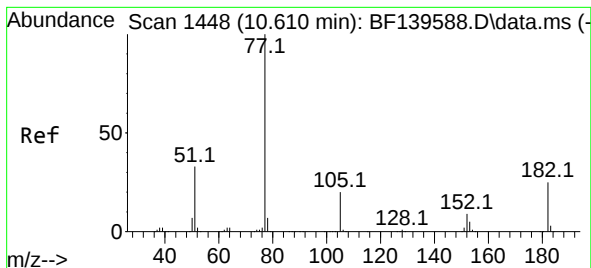
Tgt Ion:165 Resp: 14227
Ion Ratio Lower Upper
165 100
63 2.0 56.7 85.1#
89 2.2 51.6 77.4#



#57
2,4-Dinitrotoluene
Concen: 6.514 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.200 min
Lab File: BF139769.D
Acq: 11 Oct 2024 12:25

Tgt Ion:165 Resp: 14227
Ion Ratio Lower Upper
165 100
63 2.0 46.9 70.3#
89 2.2 64.4 96.6#
182 0.0 2.2 3.2#





#63

Azobenzene

Concen: 7.835 ng

RT: 10.616 min Scan# 1448

Delta R.T. 0.006 min

Lab File: BF139769.D

Acq: 11 Oct 2024 12:25

Instrument :

BNA_F

ClientSampleId :

SB-08-0.167-0.667

Tgt Ion: 77 Resp: 60206

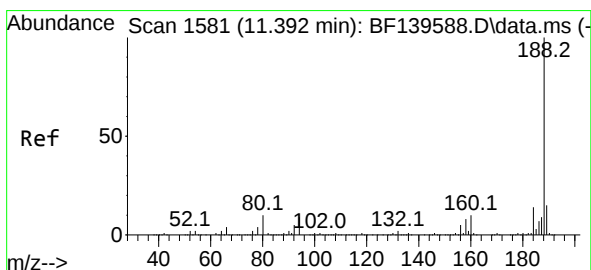
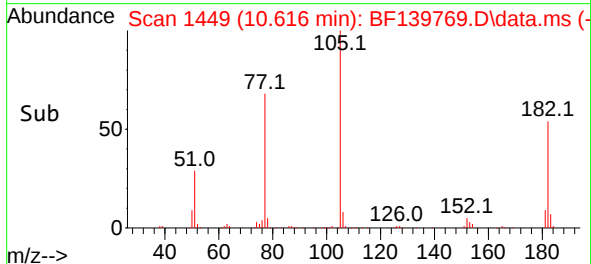
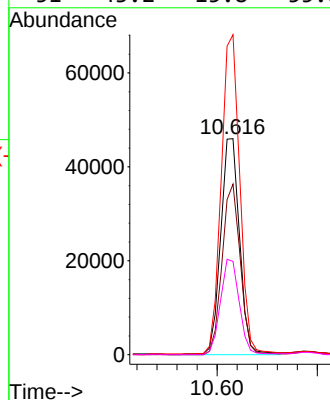
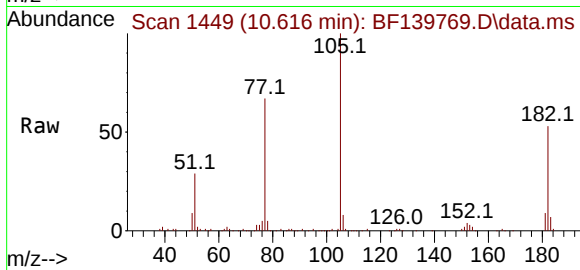
Ion Ratio Lower Upper

77 100

182 78.9 4.2 44.2#

105 148.2 0.0 39.6#

51 43.2 15.8 55.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 1580

Delta R.T. -0.006 min

Lab File: BF139769.D

Acq: 11 Oct 2024 12:25

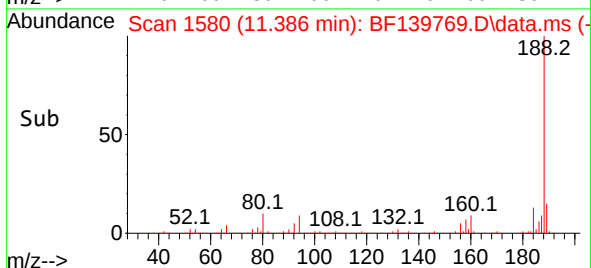
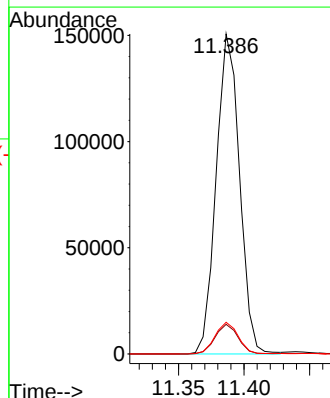
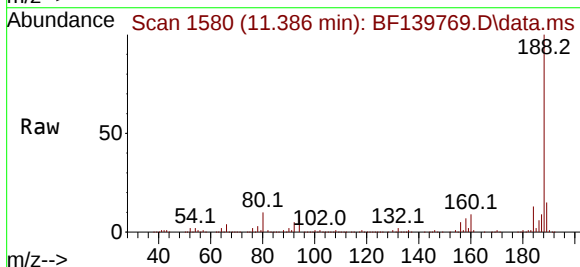
Tgt Ion:188 Resp: 186447

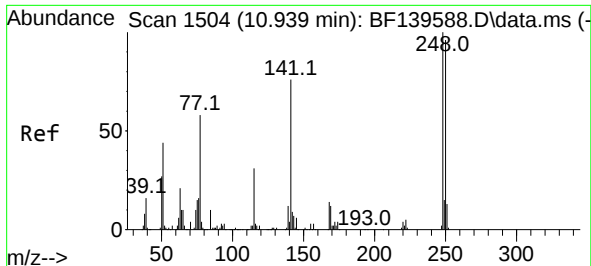
Ion Ratio Lower Upper

188 100

94 9.2 7.4 11.2

80 9.9 8.2 12.2

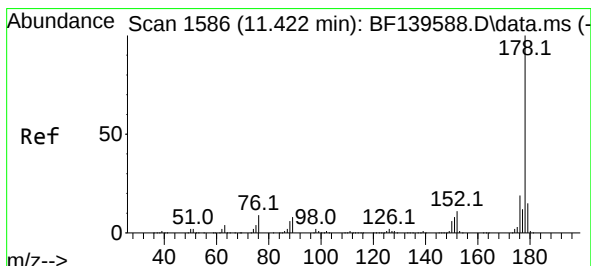
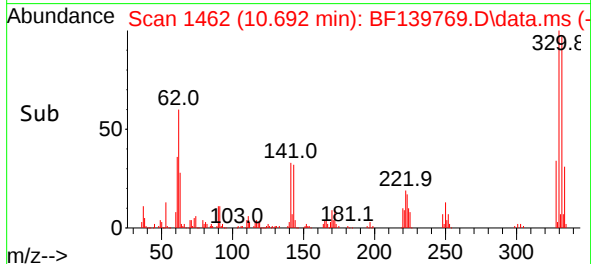
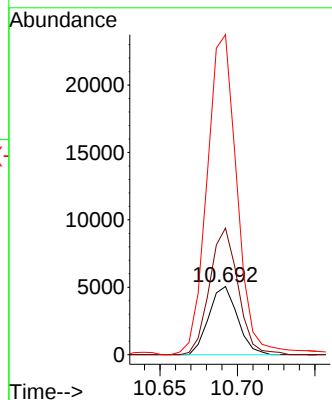
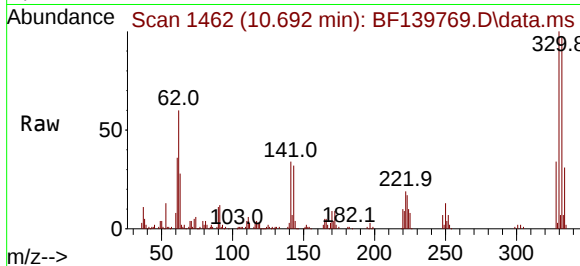




#67
4-Bromophenyl-phenylether
Concen: 3.400 ng
RT: 10.692 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF139769.D
Acq: 11 Oct 2024 12:25

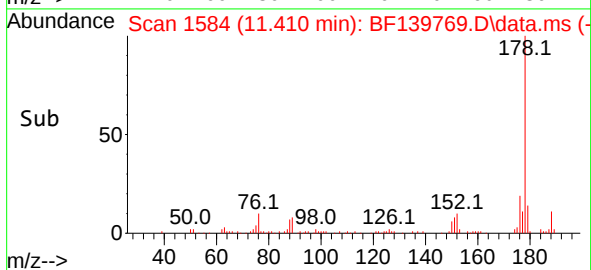
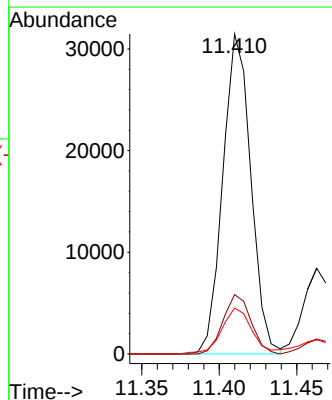
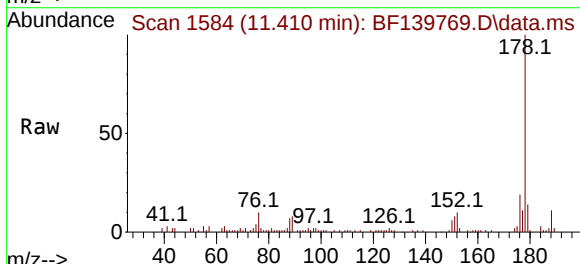
Instrument :
BNA_F
ClientSampleId :
SB-08-0.167-0.667

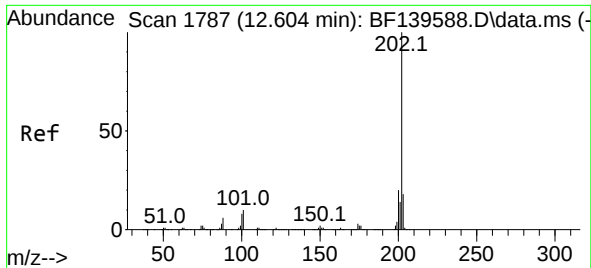
Tgt Ion:248 Resp: 6499
Ion Ratio Lower Upper
248 100
250 185.5 77.1 115.7#
141 468.9 60.4 90.6#



#71
Phenanthrene
Concen: 4.497 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.012 min
Lab File: BF139769.D
Acq: 11 Oct 2024 12:25

Tgt Ion:178 Resp: 39531
Ion Ratio Lower Upper
178 100
176 18.6 15.5 23.3
179 14.4 12.3 18.5

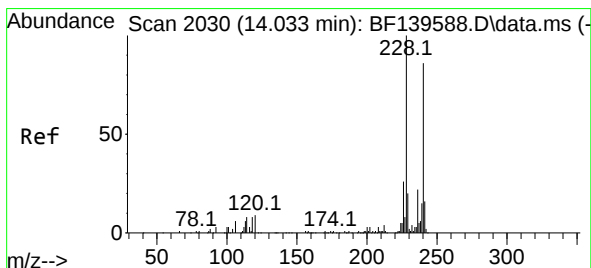
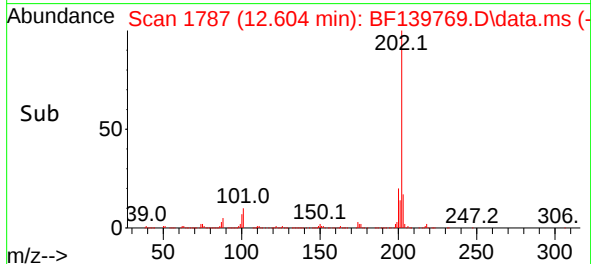
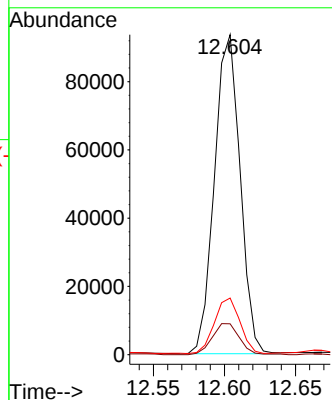
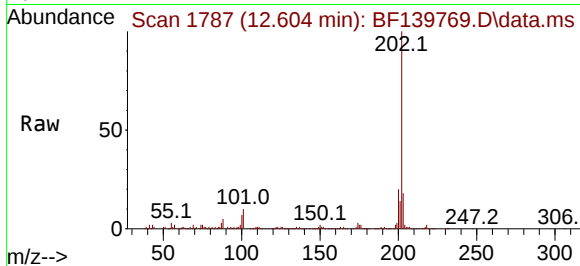




#75
Fluoranthene
Concen: 12.218 ng
RT: 12.604 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139769.D
Acq: 11 Oct 2024 12:25

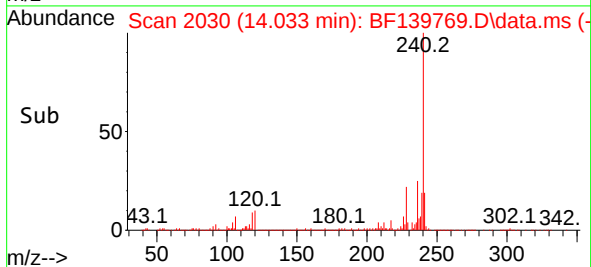
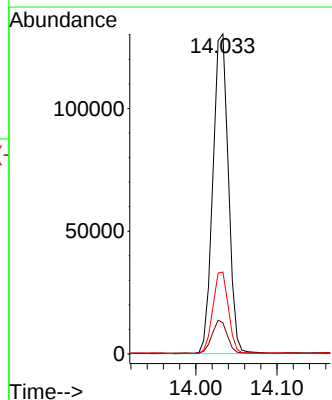
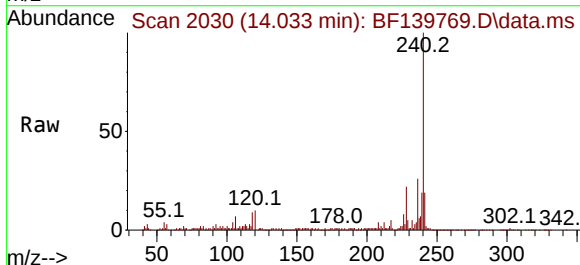
Instrument :
BNA_F
ClientSampleId :
SB-08-0.167-0.667

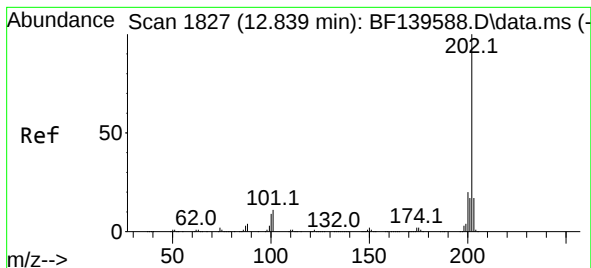
Tgt Ion:	202	Resp:	117417
Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	30.2
203	17.7	0.0	37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF139769.D
Acq: 11 Oct 2024 12:25

Tgt Ion:	240	Resp:	172632
Ion	Ratio	Lower	Upper
240	100		
120	9.7	8.4	12.6
236	25.6	20.3	30.5





#78

Pyrene

Concen: 7.882 ng

RT: 12.833 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139769.D

Acq: 11 Oct 2024 12:25

Instrument :

BNA_F

ClientSampleId :

SB-08-0.167-0.667

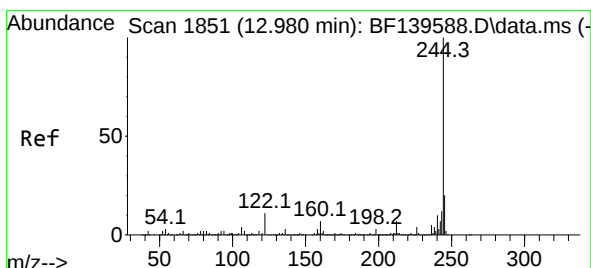
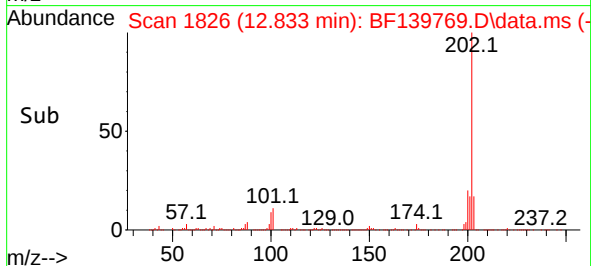
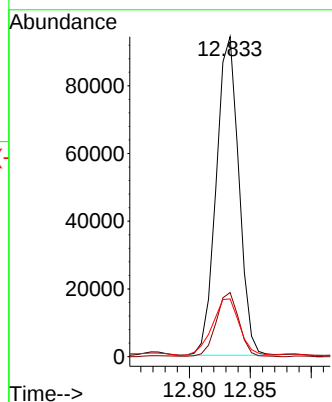
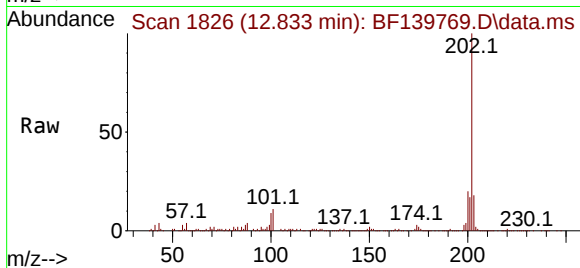
Tgt Ion:202 Resp: 121693

Ion Ratio Lower Upper

202 100

200 20.0 15.8 23.6

203 18.0 13.8 20.8



#79

Terphenyl-d14

Concen: 52.161 ng

RT: 12.974 min Scan# 1850

Delta R.T. -0.006 min

Lab File: BF139769.D

Acq: 11 Oct 2024 12:25

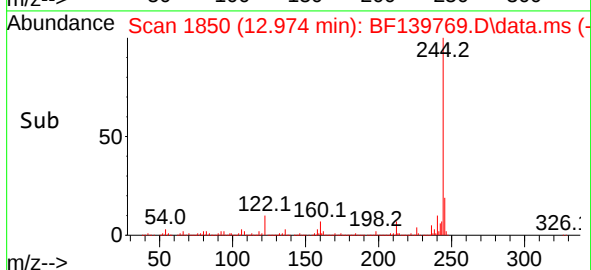
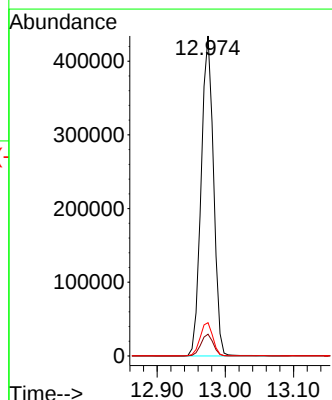
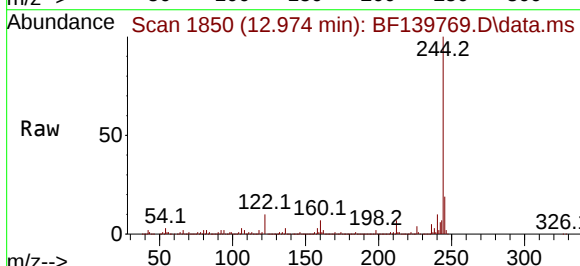
Tgt Ion:244 Resp: 548787

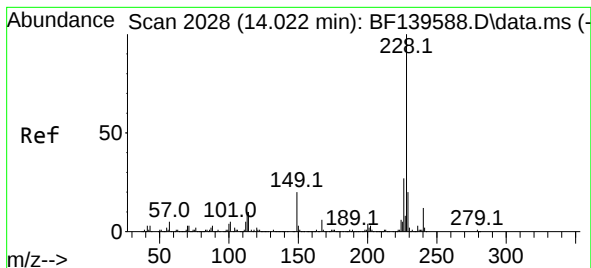
Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.6

122 10.4 8.6 12.8





#81

Benzo(a)anthracene

Concen: 8.238 ng

RT: 14.021 min Scan# 2028

Delta R.T. -0.000 min

Lab File: BF139769.D

Acq: 11 Oct 2024 12:25

Instrument :

BNA_F

ClientSampleId :

SB-08-0.167-0.667

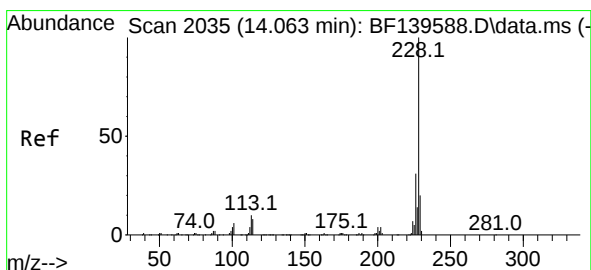
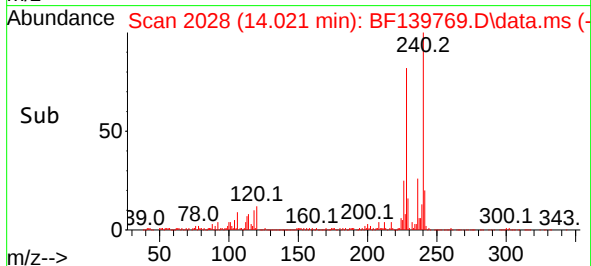
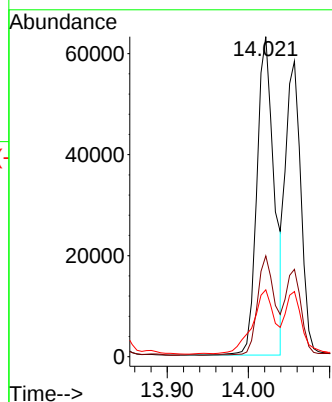
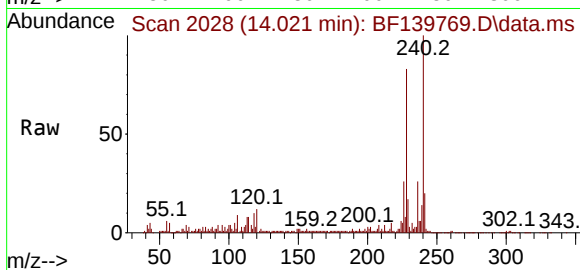
Tgt Ion:228 Resp: 93498

Ion Ratio Lower Upper

228 100

226 31.5 21.8 32.8

229 20.9 15.8 23.8



#83

Chrysene

Concen: 7.251 ng

RT: 14.057 min Scan# 2034

Delta R.T. -0.006 min

Lab File: BF139769.D

Acq: 11 Oct 2024 12:25

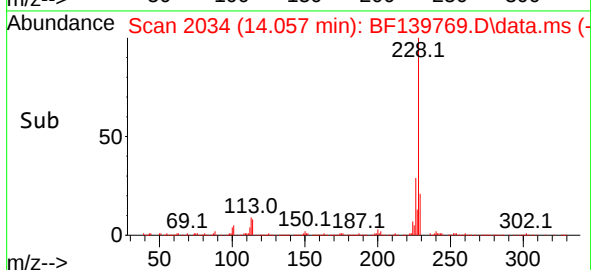
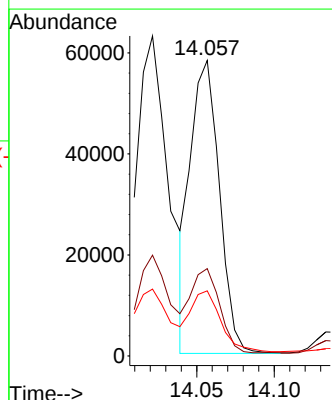
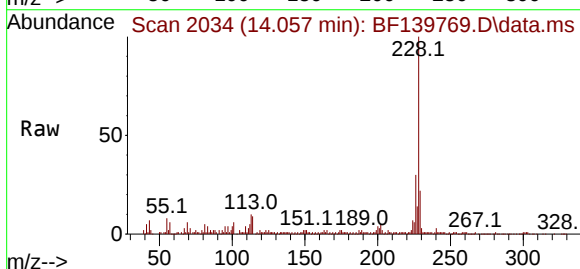
Tgt Ion:228 Resp: 75244

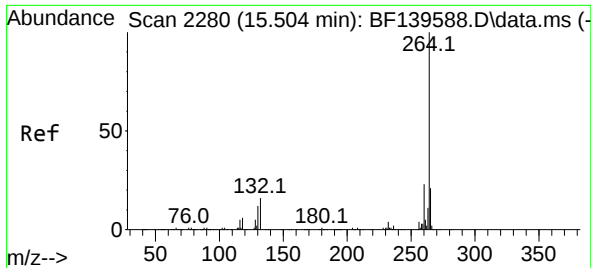
Ion Ratio Lower Upper

228 100

226 29.6 24.3 36.5

229 22.1 15.7 23.5



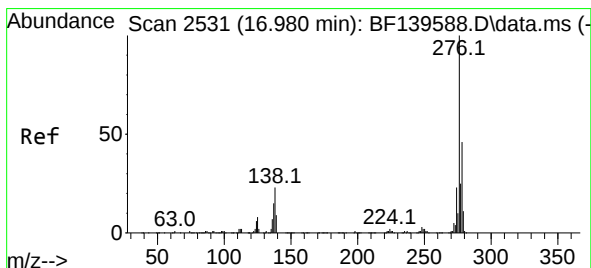
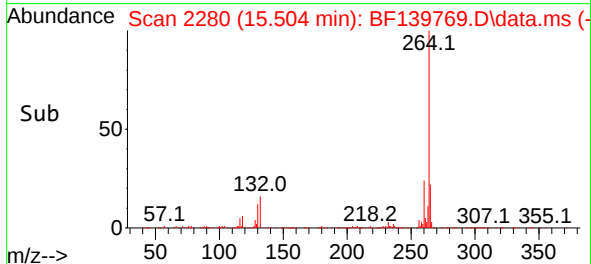
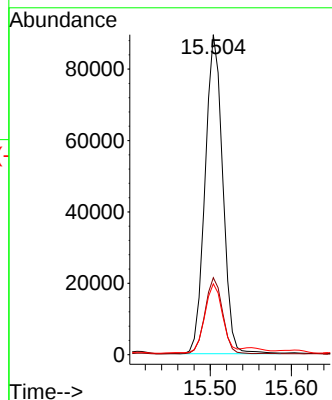
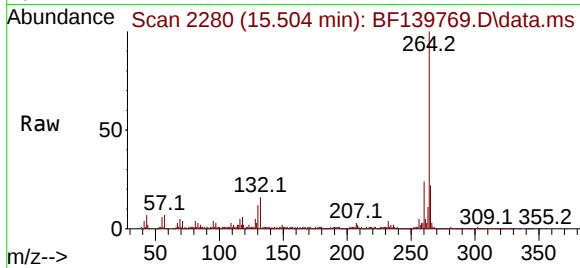


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF139769.D
Acq: 11 Oct 2024 12:25

Instrument :
BNA_F
ClientSampleId :
SB-08-0.167-0.667

Tgt Ion:264 Resp: 134655

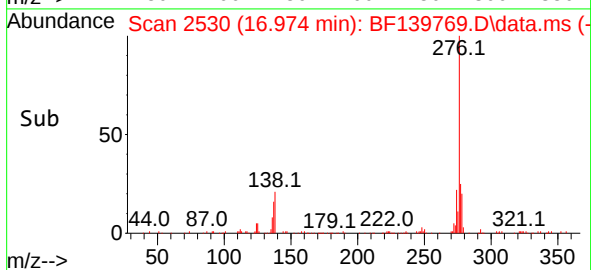
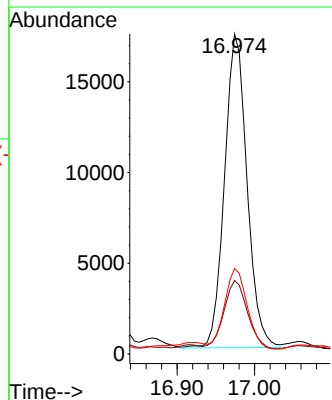
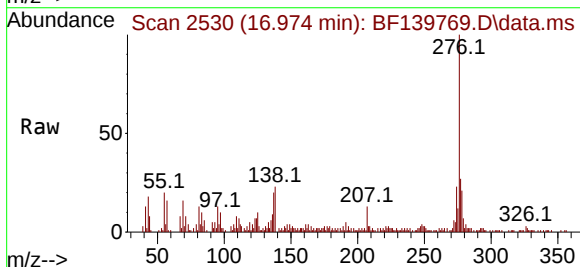
Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.7	28.1
265	22.2	16.9	25.3

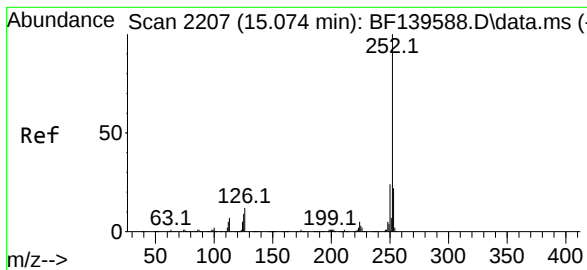


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.412 ng
RT: 16.974 min Scan# 2530
Delta R.T. -0.006 min
Lab File: BF139769.D
Acq: 11 Oct 2024 12:25

Tgt Ion:276 Resp: 34966

Ion	Ratio	Lower	Upper
276	100		
138	22.8	19.4	29.0
277	25.7	20.2	30.2





#88

Benzo(b)fluoranthene

Concen: 15.894 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.000 min

Lab File: BF139769.D

Acq: 11 Oct 2024 12:25

Instrument :

BNA_F

ClientSampleId :

SB-08-0.167-0.667

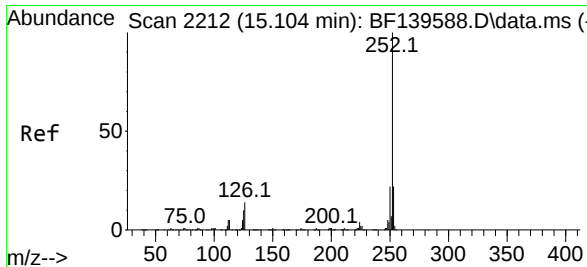
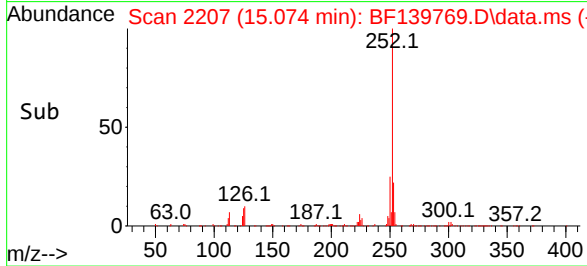
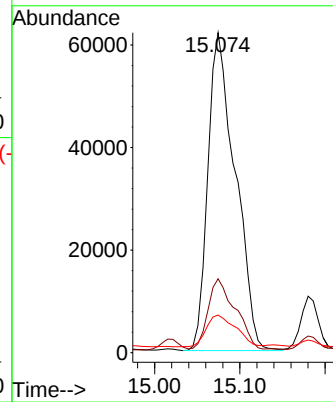
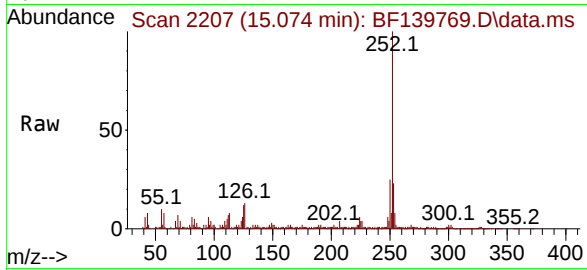
Tgt Ion:252 Resp: 138386

Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.0

125 11.8 7.4 11.0#



#89

Benzo(k)fluoranthene

Concen: 18.737 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.029 min

Lab File: BF139769.D

Acq: 11 Oct 2024 12:25

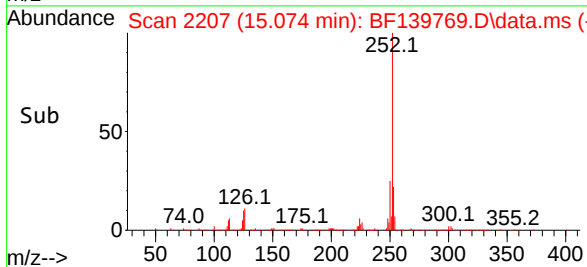
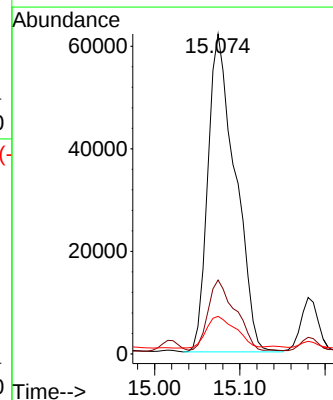
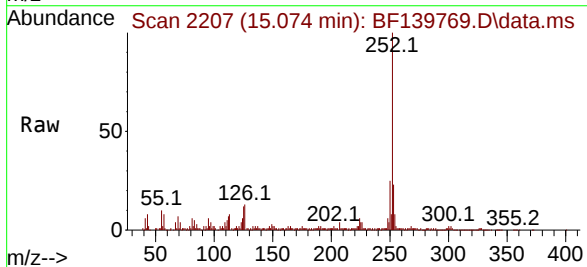
Tgt Ion:252 Resp: 138386

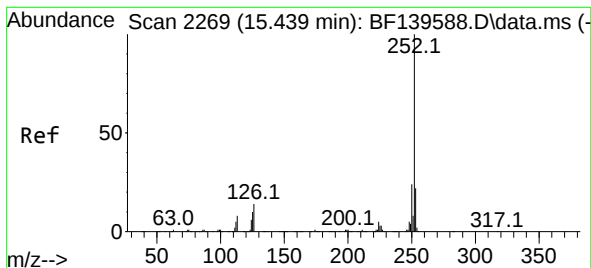
Ion Ratio Lower Upper

252 100

253 23.1 17.5 26.3

125 11.8 7.6 11.4#





#90

Benzo(a)pyrene

Concen: 9.436 ng

RT: 15.439 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139769.D

Acq: 11 Oct 2024 12:25

Instrument :

BNA_F

ClientSampleId :

SB-08-0.167-0.667

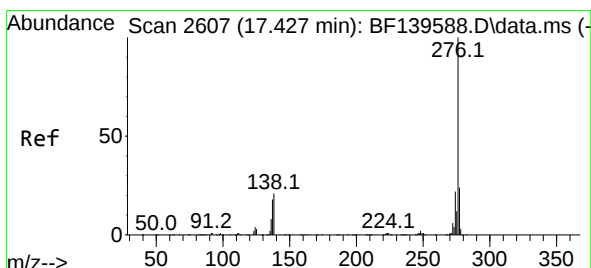
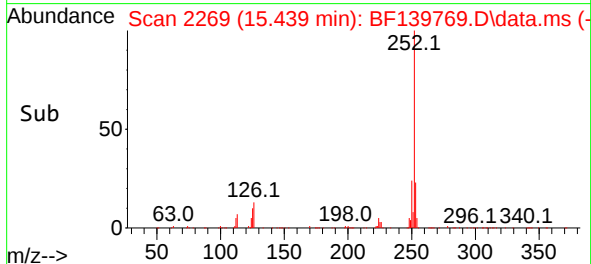
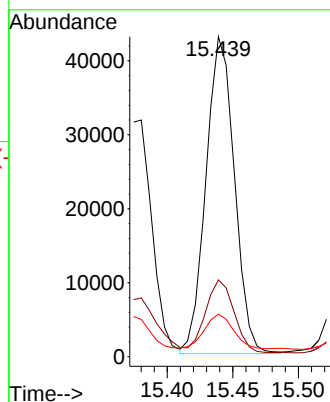
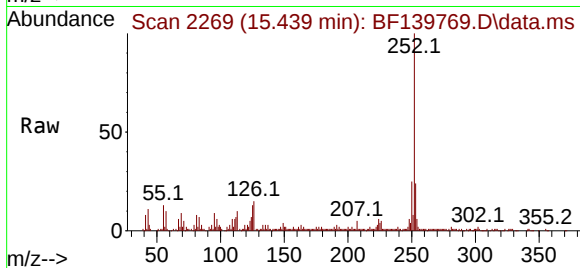
Tgt Ion:252 Resp: 64779

Ion Ratio Lower Upper

252 100

253 24.0 17.3 25.9

125 13.3 8.3 12.5#



#92

Benzo(g,h,i)perylene

Concen: 5.368 ng

RT: 17.421 min Scan# 2606

Delta R.T. -0.006 min

Lab File: BF139769.D

Acq: 11 Oct 2024 12:25

Tgt Ion:276 Resp: 35390

Ion Ratio Lower Upper

276 100

277 23.8 19.0 28.6

138 22.9 17.0 25.6

