

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082724\
 Data File : BF139197.D
 Acq On : 27 Aug 2024 20:28
 Operator : RC/JU
 Sample : P3732-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UI-1

Quant Time: Aug 28 00:50:17 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 27 02:51:47 2024
 Response via : Initial Calibration

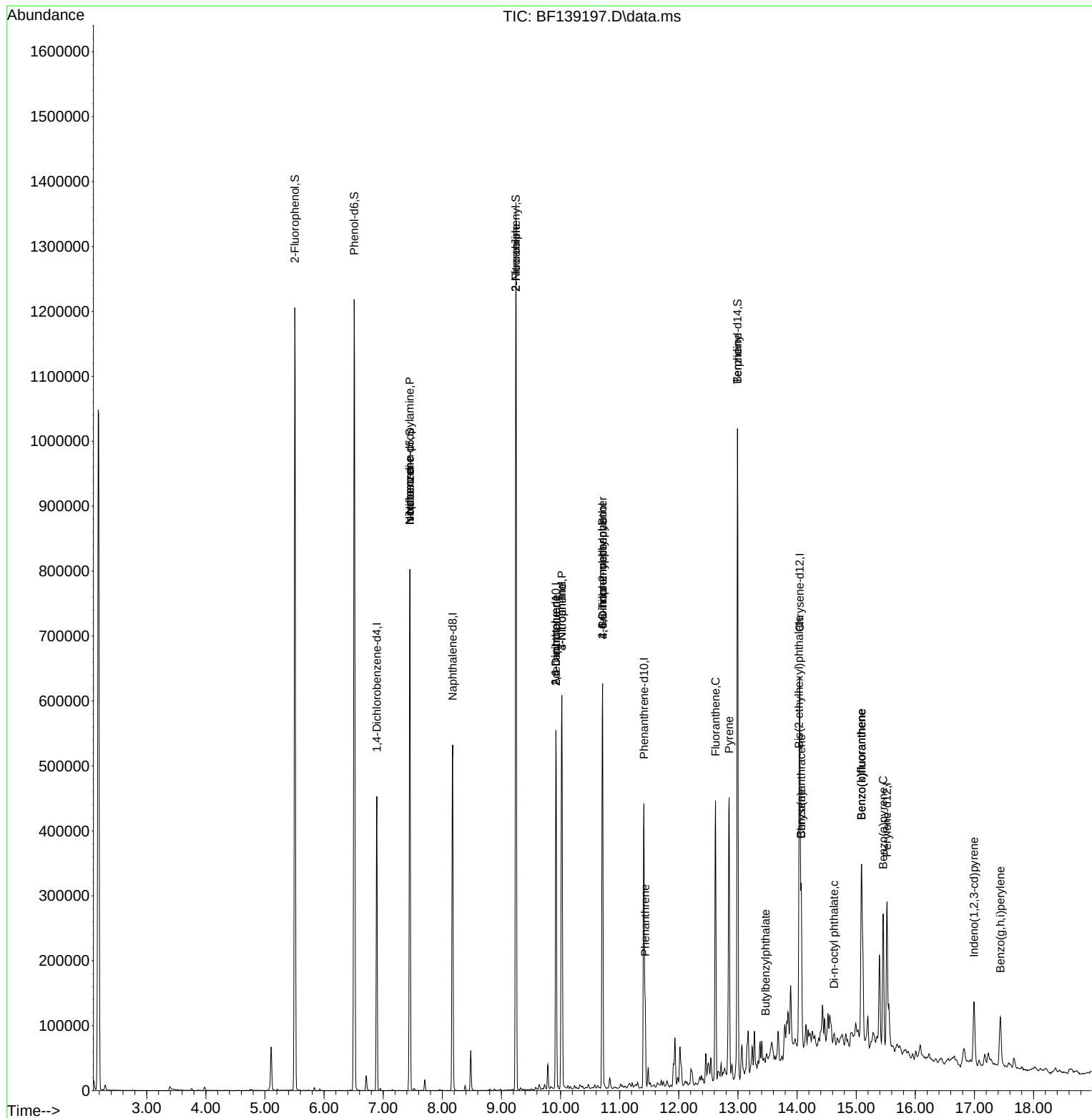
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	87110	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	309814	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	157195	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	221006	20.000	ng	0.00
76) Chrysene-d12	14.045	240	175476	20.000	ng	0.00
86) Perylene-d12	15.521	264	128947	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	408981	78.893	ng	0.00
7) Phenol-d6	6.510	99	542576	76.262	ng	-0.01
23) Nitrobenzene-d5	7.451	82	340696	60.923	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	93006	69.083	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	550789	54.427	ng	0.00
79) Terphenyl-d14	12.992	244	460474	40.945	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	46234	10.865	ng	# 79
24) Nitrobenzene	7.451	77	920	3.387	ng	# 32
25) Isophorone	7.451	82	337909	30.555	ng	# 68
48) 2-Nitroaniline	9.245	65	1161	6.161	ng	# 1
51) 2,6-Dinitrotoluene	9.922	165	19998	14.371	ng	# 15
53) 3-Nitroaniline	10.022	138	5710	7.052	ng	# 1
56) 4-Nitrophenol	10.022	139	840	5.633	ng	# 1
57) 2,4-Dinitrotoluene	9.922	165	19998	13.039	ng	# 15
65) 4,6-Dinitro-2-methylph...	10.710	198	132	7.035	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	6748	2.874	ng	# 1
71) Phenanthrene	11.433	178	68982	6.177	ng	99
75) Fluoranthene	12.621	202	230733	21.289	ng	99
77) Benzidine	12.992	184	6584	2.224	ng	# 92
78) Pyrene	12.851	202	245932	14.920	ng	100
80) Butylbenzylphthalate	13.468	149	1361	4.841	ng	# 79
81) Benzo(a)anthracene	14.068	228	133439	11.477	ng	94
83) Chrysene	14.068	228	133439	12.723	ng	97
84) Bis(2-ethylhexyl)phtha...	14.033	149	906	3.421	ng	# 90
85) Di-n-octyl phthalate	14.627	149	125	8.966	ng	# 1
87) Indeno(1,2,3-cd)pyrene	16.992	276	69602	7.894	ng	97
88) Benzo(b)fluoranthene	15.092	252	237305	31.460	ng	98
89) Benzo(k)fluoranthene	15.092	252	237305	34.797	ng	98
90) Benzo(a)pyrene	15.457	252	116627	18.216	ng	99
92) Benzo(g,h,i)perylene	17.439	276	65659	8.784	ng	98

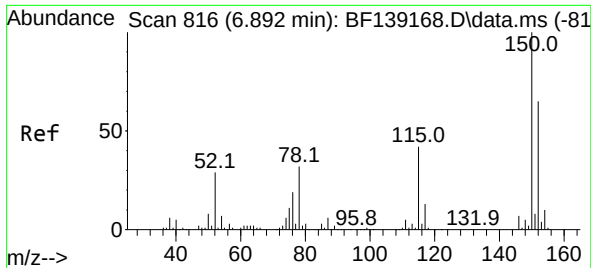
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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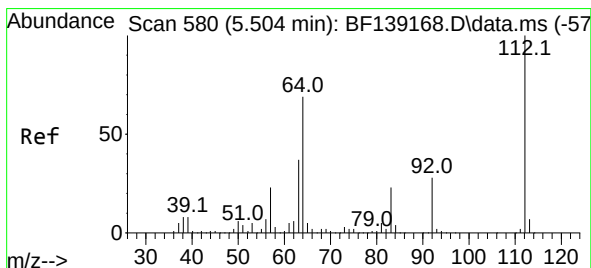
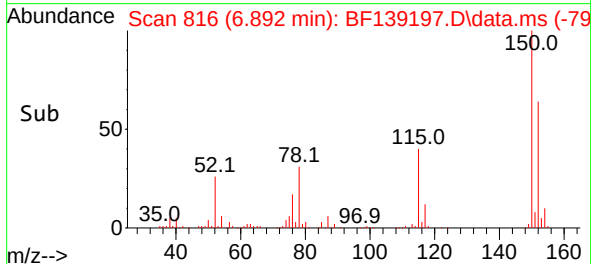
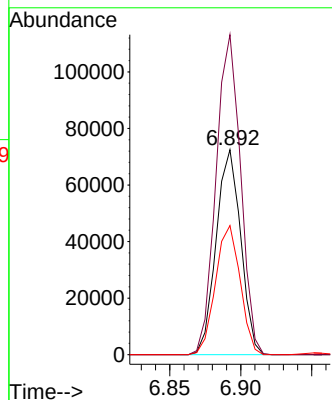
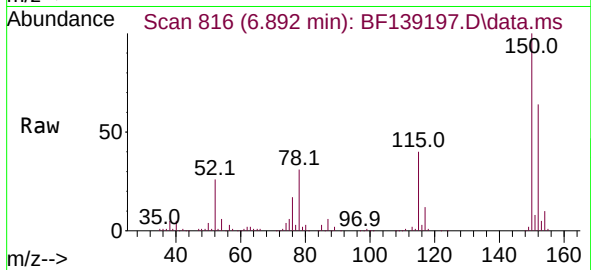




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 816
Delta R.T. 0.000 min
Lab File: BF139197.D
Acq: 27 Aug 2024 20:28

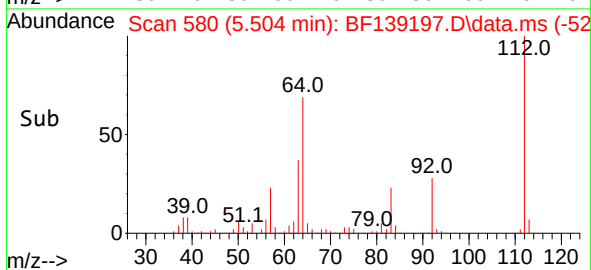
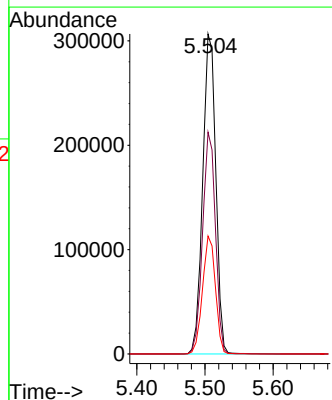
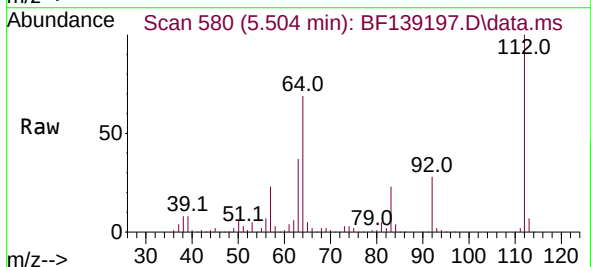
Instrument :
BNA_F
ClientSampleId :
UI-1

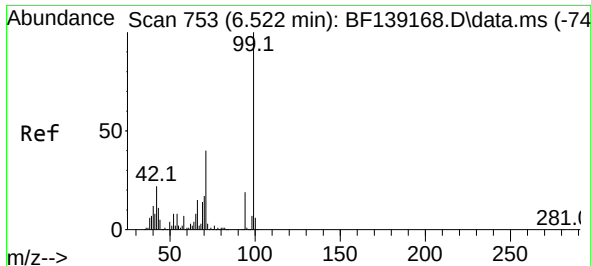
Tgt Ion:152 Resp: 87110
Ion Ratio Lower Upper
152 100
150 156.1 123.7 185.5
115 63.0 51.8 77.8



#5
2-Fluorophenol
Concen: 78.893 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.000 min
Lab File: BF139197.D
Acq: 27 Aug 2024 20:28

Tgt Ion:112 Resp: 408981
Ion Ratio Lower Upper
112 100
64 69.3 55.5 83.3
63 36.9 29.8 44.6

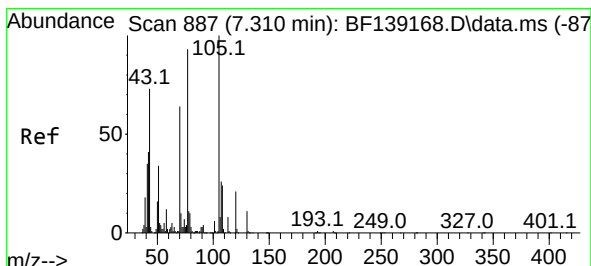
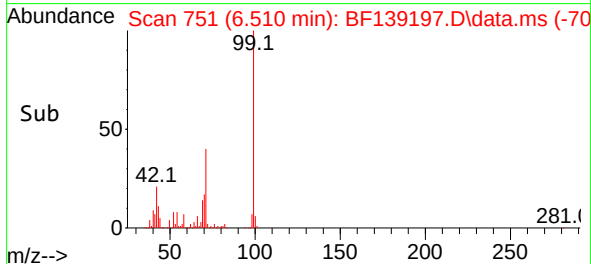
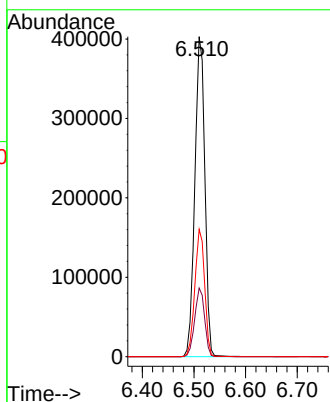
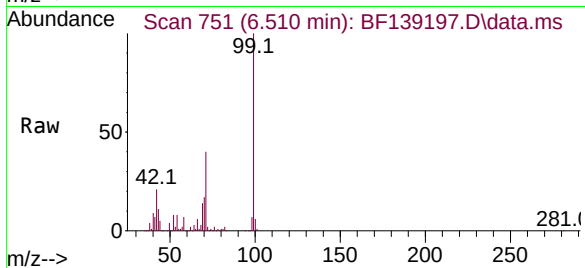




#7
Phenol-d6
Concen: 76.262 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF139197.D
Acq: 27 Aug 2024 20:28

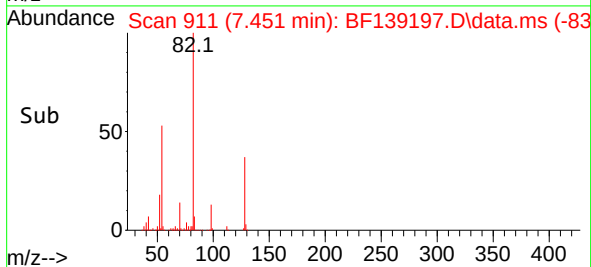
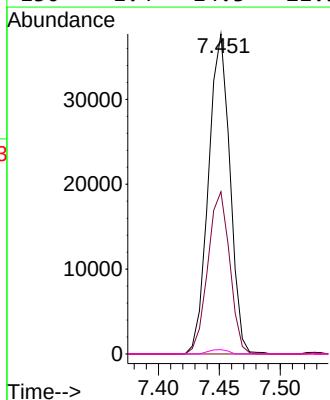
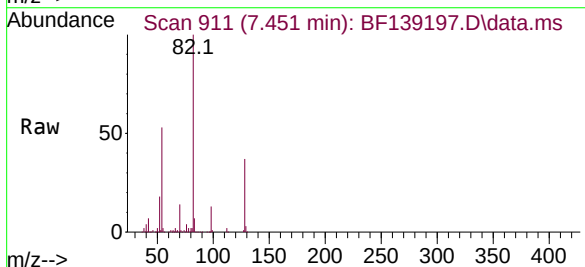
Instrument :
BNA_F
ClientSampleId :
UI-1

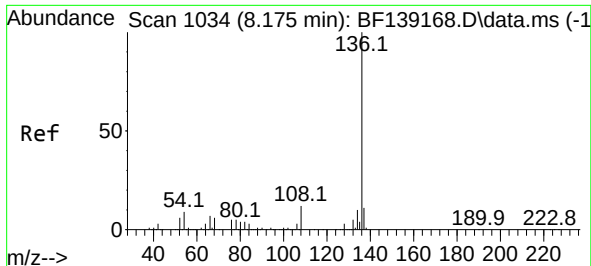
Tgt Ion: 99 Resp: 542576
Ion Ratio Lower Upper
99 100
42 21.5 17.9 26.9
71 39.8 31.7 47.5



#19
n-Nitroso-di-n-propylamine
Concen: 10.865 ng
RT: 7.451 min Scan# 911
Delta R.T. 0.141 min
Lab File: BF139197.D
Acq: 27 Aug 2024 20:28

Tgt Ion: 70 Resp: 46234
Ion Ratio Lower Upper
70 100
42 50.7 50.8 76.2#
101 0.0 7.4 11.0#
130 1.4 14.3 21.5#

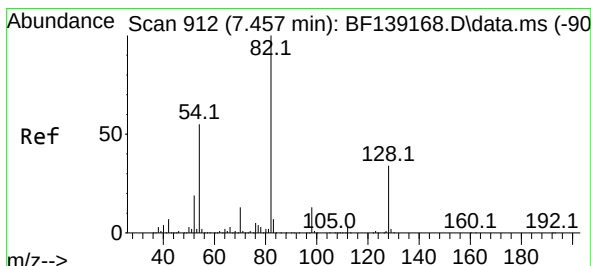
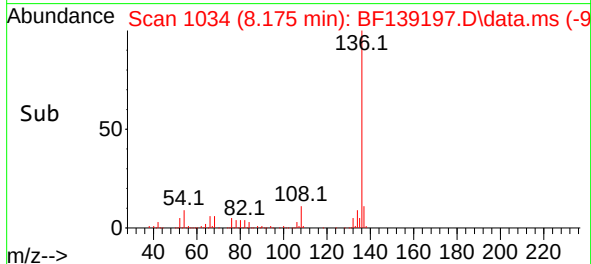
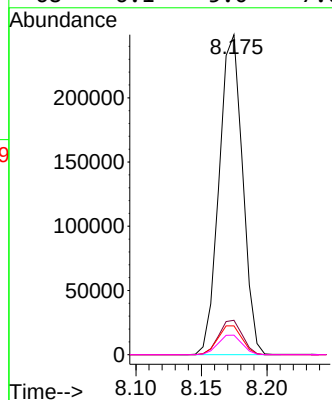
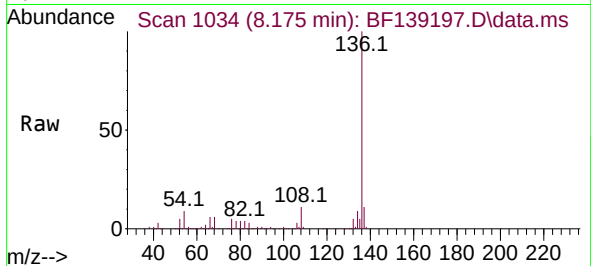




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1034
Delta R.T. 0.000 min
Lab File: BF139197.D
Acq: 27 Aug 2024 20:28

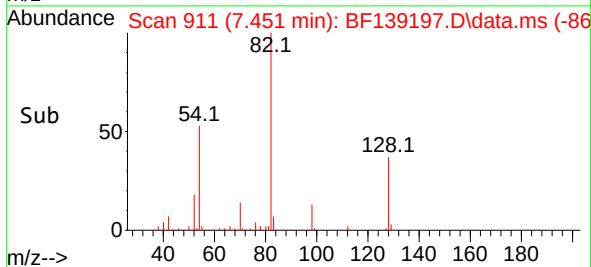
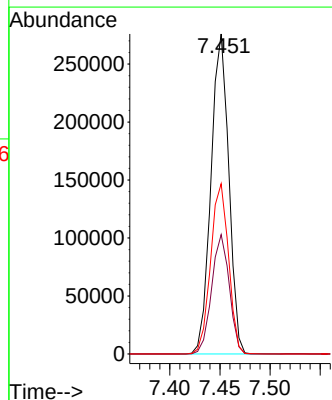
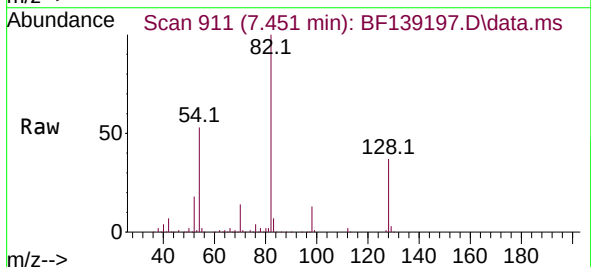
Instrument :
BNA_F
ClientSampleId :
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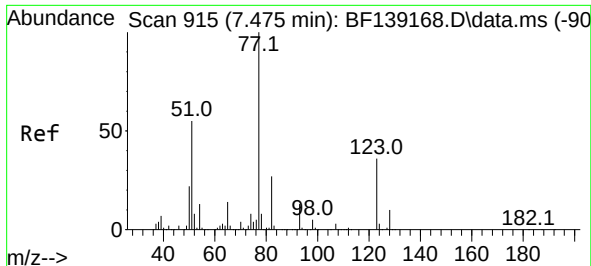
Tgt Ion:	136	Resp:	309814
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	9.0	7.6	11.4
68	6.1	5.0	7.6



#23
Nitrobenzene-d5
Concen: 60.923 ng
RT: 7.451 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF139197.D
Acq: 27 Aug 2024 20:28

Tgt Ion:	82	Resp:	340696
Ion	Ratio	Lower	Upper
82	100		
128	37.3	27.1	40.7
54	53.2	44.2	66.4

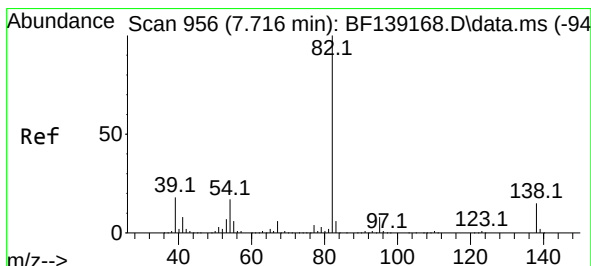
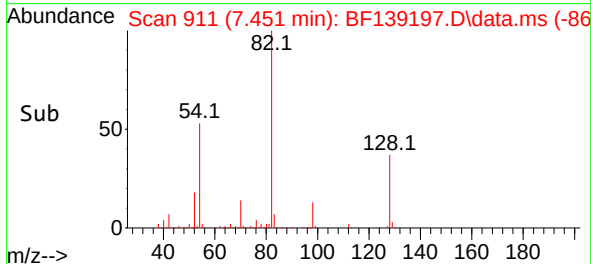
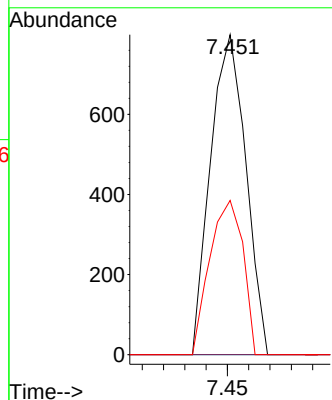
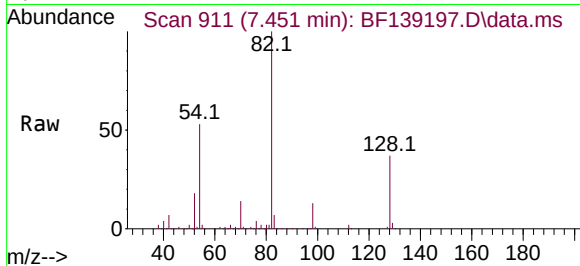




#24
Nitrobenzene
Concen: 3.387 ng
RT: 7.451 min Scan# 911
Delta R.T. -0.024 min
Lab File: BF139197.D
Acq: 27 Aug 2024 20:28

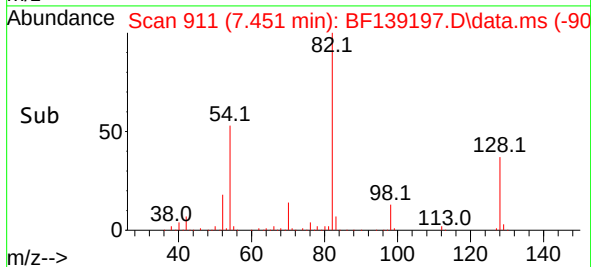
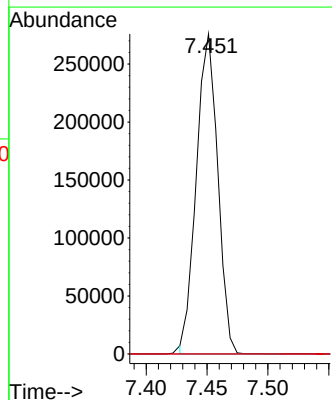
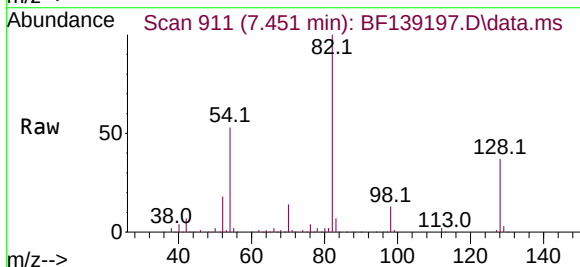
Instrument :
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ClientSampleId :
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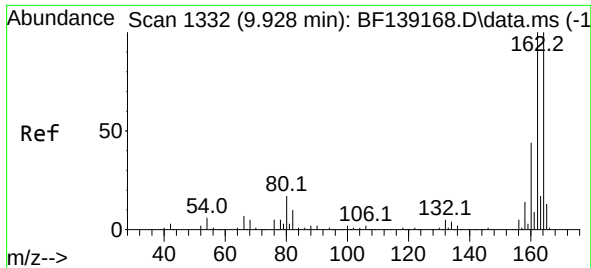
Tgt Ion: 77 Resp: 920
Ion Ratio Lower Upper
77 100
123 0.0 28.7 43.1#
65 48.2 10.9 16.3#



#25
Isophorone
Concen: 30.555 ng
RT: 7.451 min Scan# 911
Delta R.T. -0.265 min
Lab File: BF139197.D
Acq: 27 Aug 2024 20:28

Tgt Ion: 82 Resp: 337909
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 12.2 18.4#

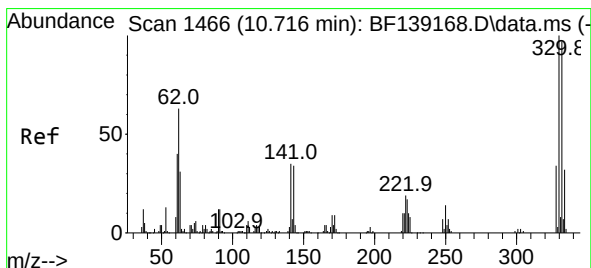
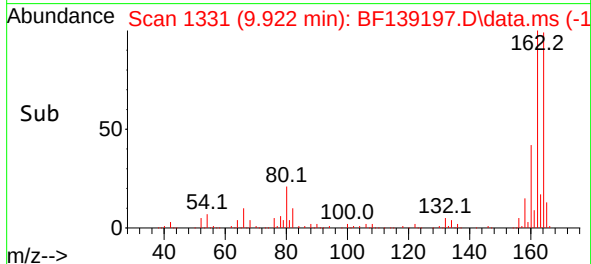
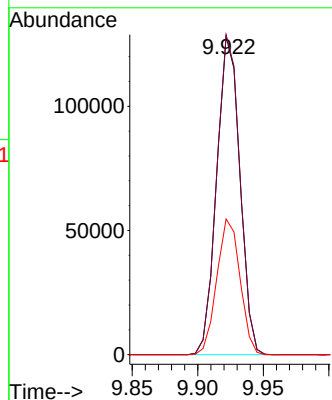
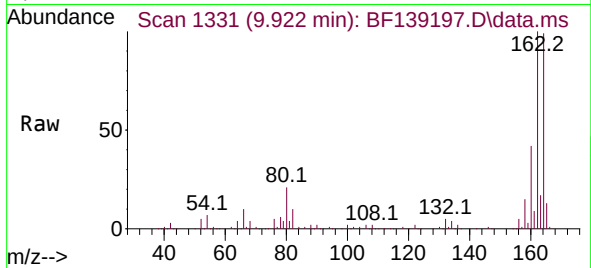




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF139197.D
Acq: 27 Aug 2024 20:28

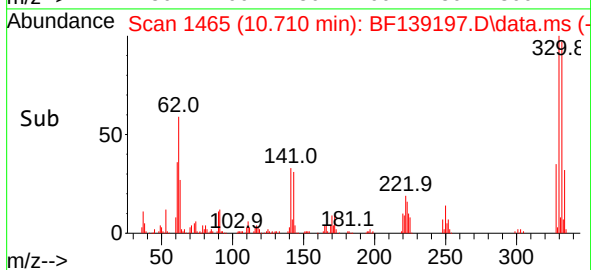
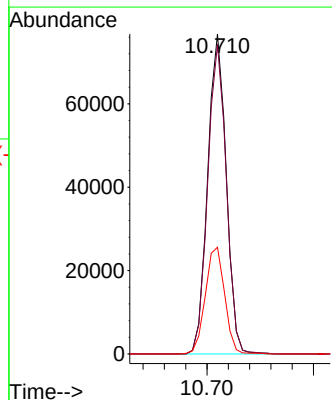
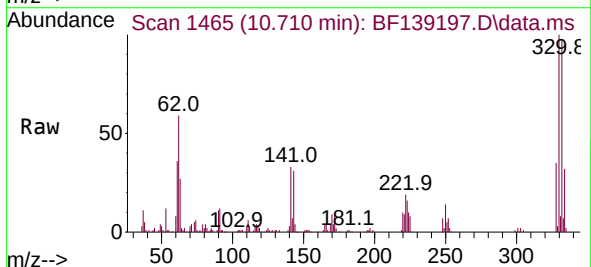
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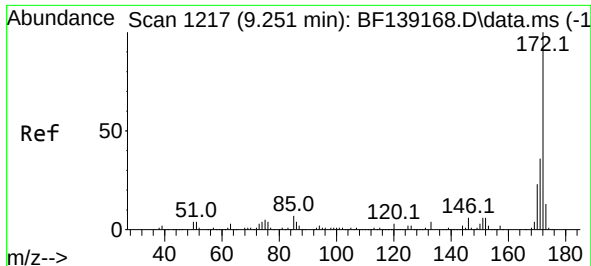
Tgt Ion:164 Resp: 157195
Ion Ratio Lower Upper
164 100
162 100.6 80.0 120.0
160 42.7 35.0 52.6



#42
2,4,6-Tribromophenol
Concen: 69.083 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF139197.D
Acq: 27 Aug 2024 20:28

Tgt Ion:330 Resp: 93006
Ion Ratio Lower Upper
330 100
332 97.0 77.3 115.9
141 34.8 28.8 43.2





#45

2-Fluorobiphenyl

Concen: 54.427 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF139197.D

Acq: 27 Aug 2024 20:28

Instrument :

BNA_F

ClientSampleId :

UI-1

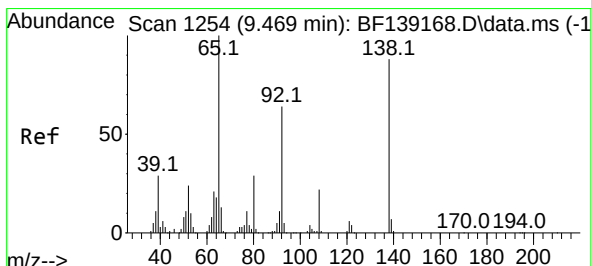
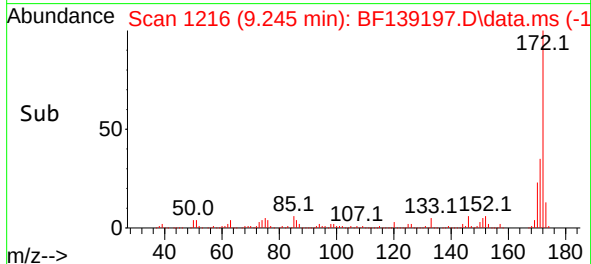
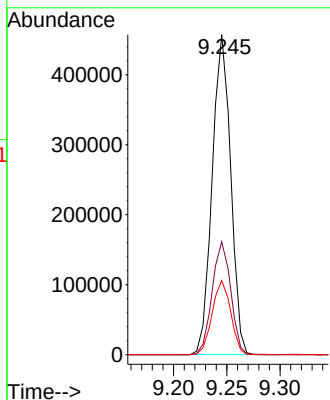
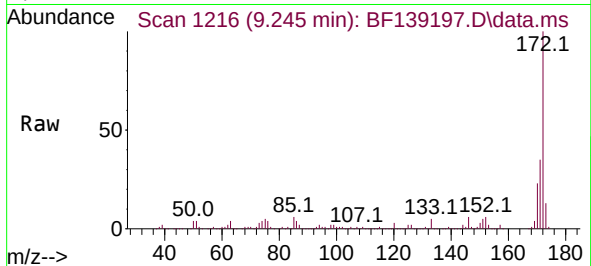
Tgt Ion:172 Resp: 550789

Ion Ratio Lower Upper

172 100

171 35.3 28.6 42.8

170 23.2 18.8 28.2



#48

2-Nitroaniline

Concen: 6.161 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.224 min

Lab File: BF139197.D

Acq: 27 Aug 2024 20:28

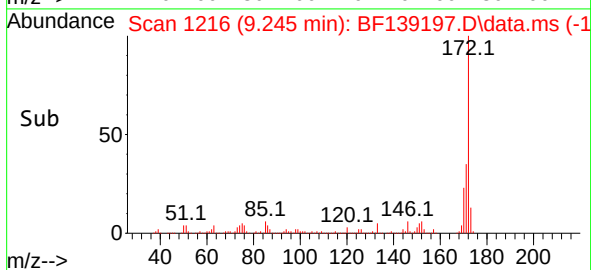
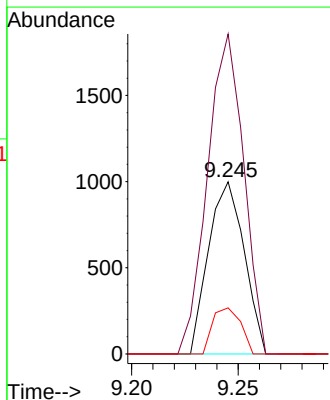
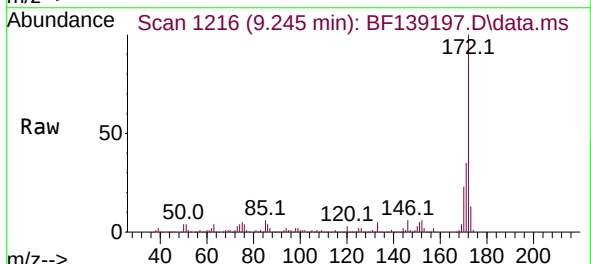
Tgt Ion: 65 Resp: 1161

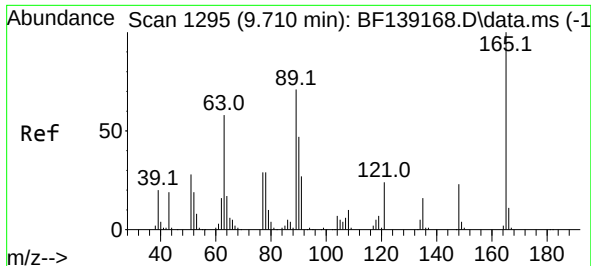
Ion Ratio Lower Upper

65 100

92 185.9 51.2 76.8#

138 26.7 70.0 105.0#





#51

2,6-Dinitrotoluene

Concen: 14.371 ng

RT: 9.922 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF139197.D

Acq: 27 Aug 2024 20:28

Instrument :

BNA_F

ClientSampleId :

UI-1

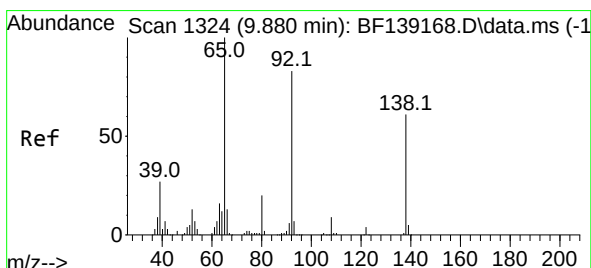
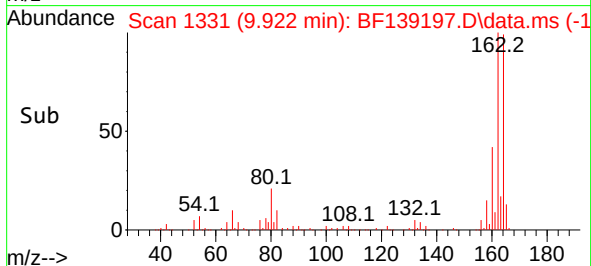
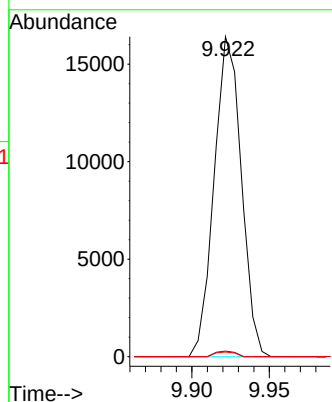
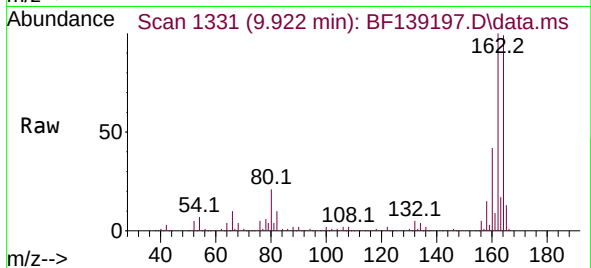
Tgt Ion:165 Resp: 19998

Ion Ratio Lower Upper

165 100

63 1.8 60.1 90.1#

89 1.4 57.0 85.6#



#53

3-Nitroaniline

Concen: 7.052 ng

RT: 10.022 min Scan# 1348

Delta R.T. 0.142 min

Lab File: BF139197.D

Acq: 27 Aug 2024 20:28

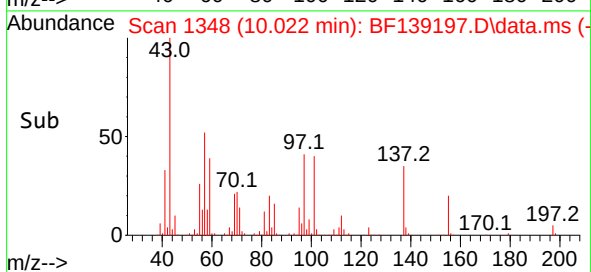
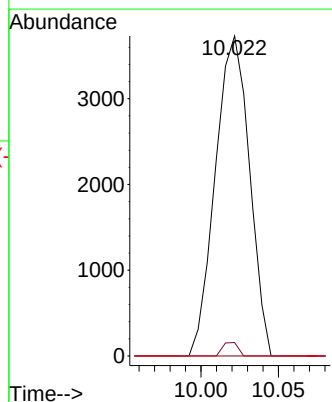
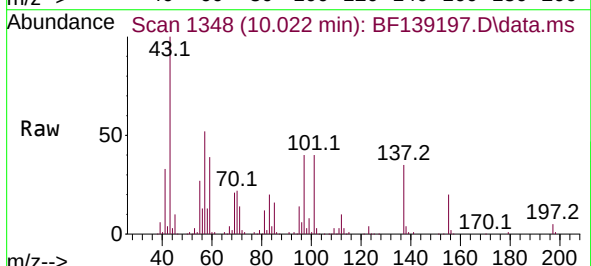
Tgt Ion:138 Resp: 5710

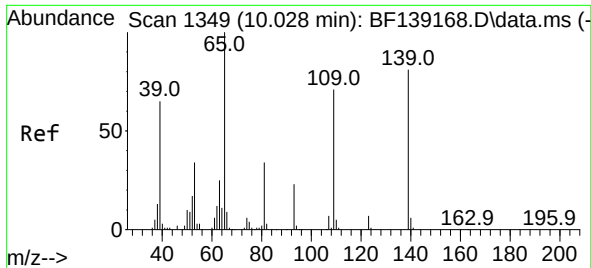
Ion Ratio Lower Upper

138 100

108 4.2 11.8 17.6#

92 0.0 108.2 162.2#

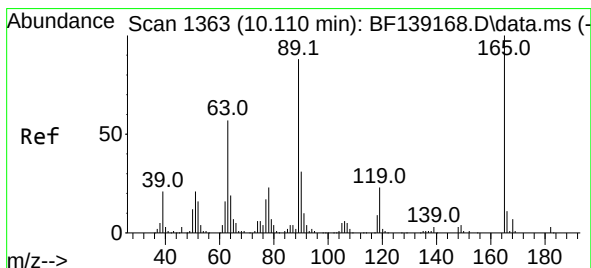
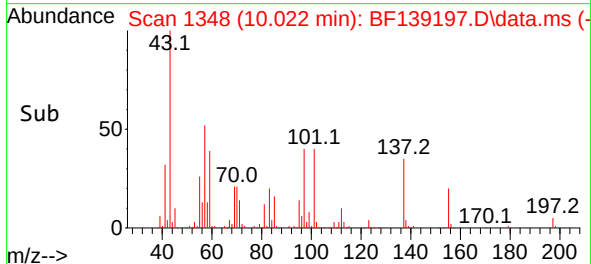
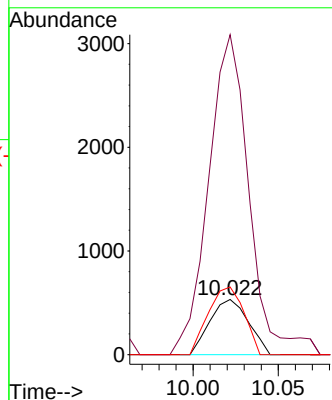
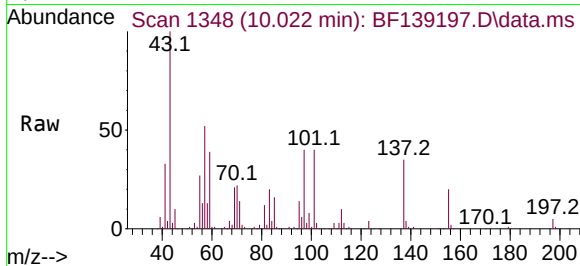




#56
4-Nitrophenol
Concen: 5.633 ng
RT: 10.022 min Scan# 1349
Delta R.T. -0.006 min
Lab File: BF139197.D
Acq: 27 Aug 2024 20:28

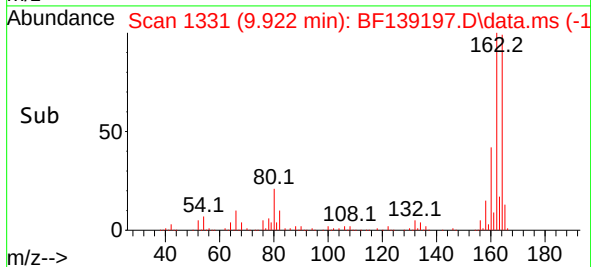
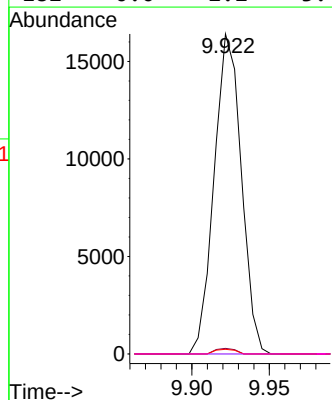
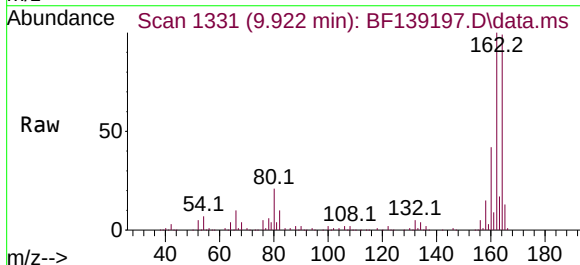
Instrument :
BNA_F
ClientSampleId :
UI-1

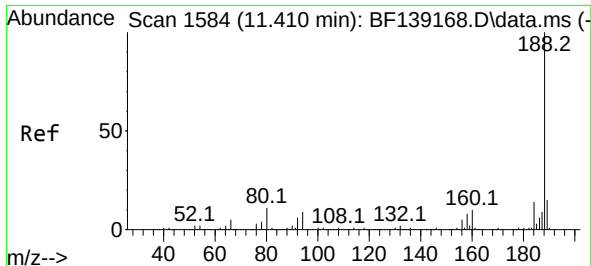
Tgt Ion:139 Resp: 840
Ion Ratio Lower Upper
139 100
109 580.1 68.2 108.2#
65 122.7 104.7 144.7



#57
2,4-Dinitrotoluene
Concen: 13.039 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF139197.D
Acq: 27 Aug 2024 20:28

Tgt Ion:165 Resp: 19998
Ion Ratio Lower Upper
165 100
63 1.8 46.2 69.2#
89 1.4 70.2 105.4#
182 0.0 2.2 3.4#

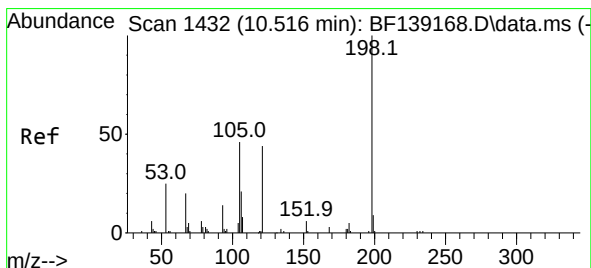
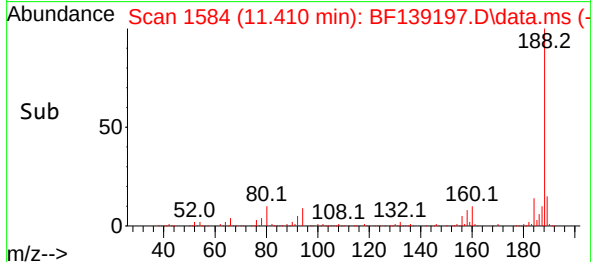
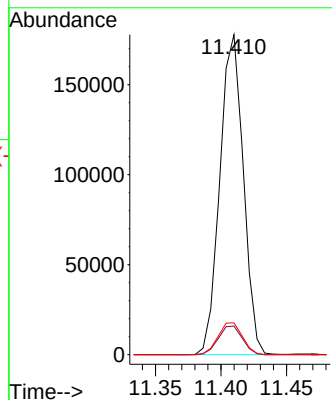
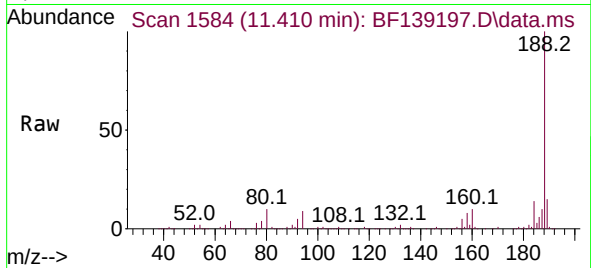




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139197.D
Acq: 27 Aug 2024 20:28

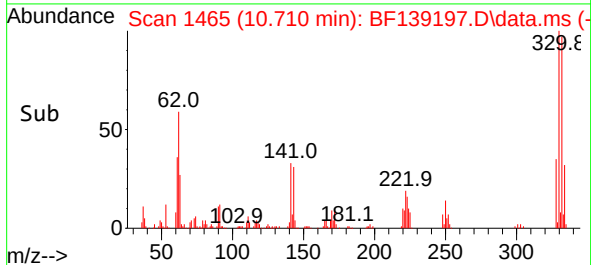
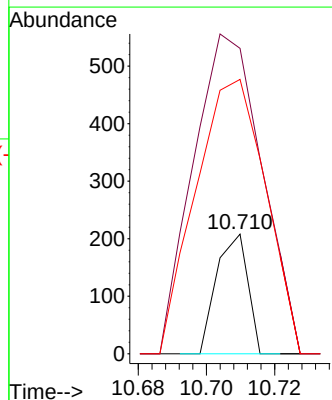
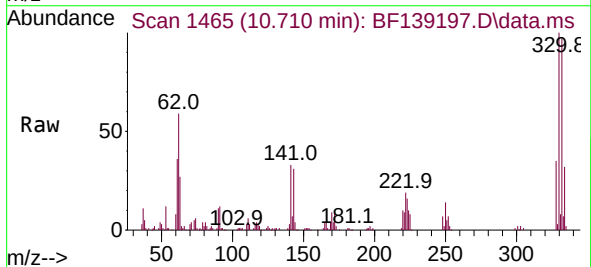
Instrument :
BNA_F
ClientSampleId :
UI-1

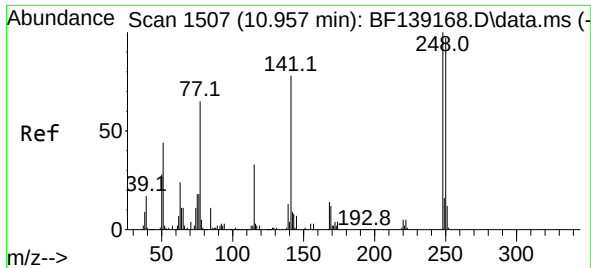
Tgt Ion:188 Resp: 221006
Ion Ratio Lower Upper
188 100
94 8.9 7.4 11.2
80 10.0 8.9 13.3



#65
4,6-Dinitro-2-methylphenol
Concen: 7.035 ng
RT: 10.710 min Scan# 1465
Delta R.T. 0.194 min
Lab File: BF139197.D
Acq: 27 Aug 2024 20:28

Tgt Ion:198 Resp: 132
Ion Ratio Lower Upper
198 100
51 255.3 39.2 79.2#
105 229.3 29.3 69.3#

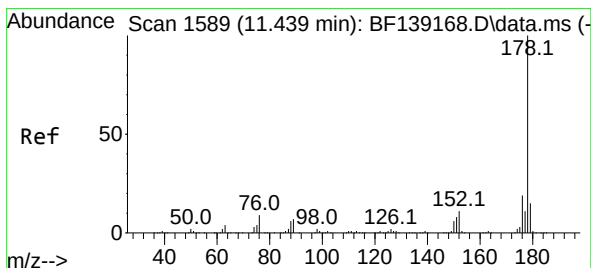
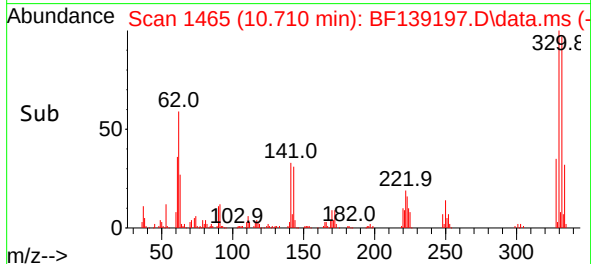
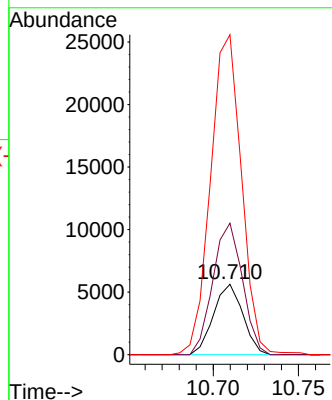
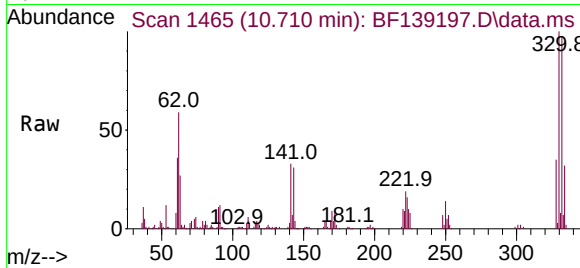




#67
4-Bromophenyl-phenylether
Concen: 2.874 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.247 min
Lab File: BF139197.D
Acq: 27 Aug 2024 20:28

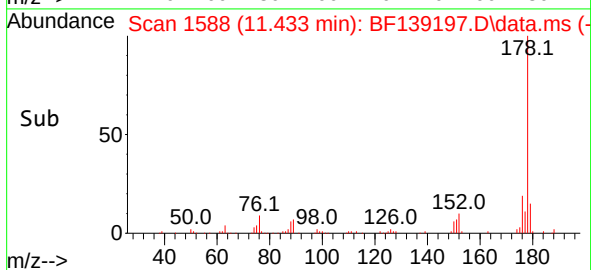
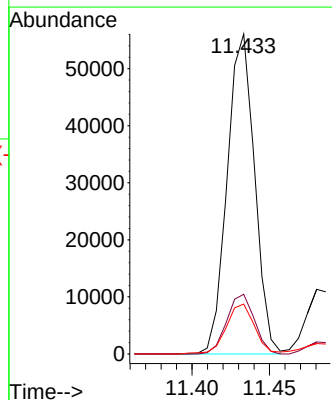
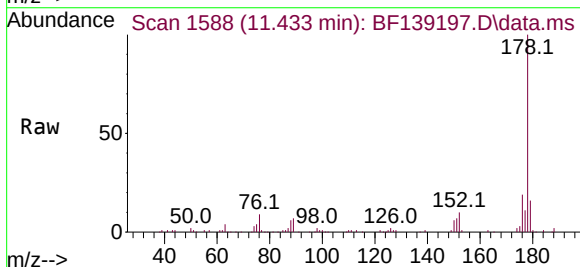
Instrument :
BNA_F
ClientSampleId :
UI-1

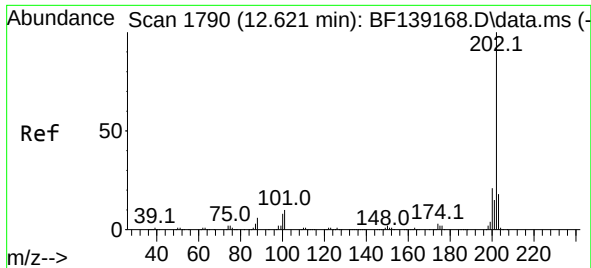
Tgt Ion:248 Resp: 6748
Ion Ratio Lower Upper
248 100
250 187.0 78.0 117.0#
141 454.8 62.6 94.0#



#71
Phenanthrene
Concen: 6.177 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF139197.D
Acq: 27 Aug 2024 20:28

Tgt Ion:178 Resp: 68982
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.0
179 15.6 12.2 18.4

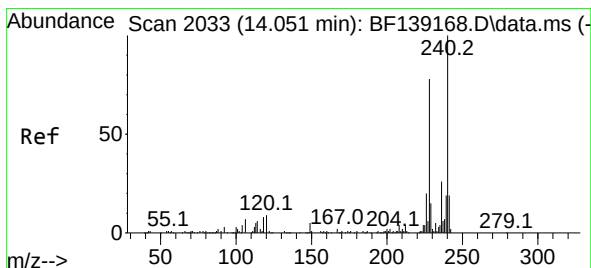
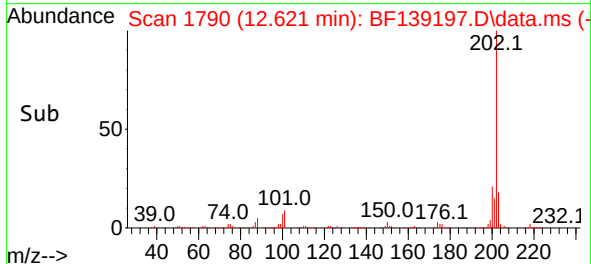
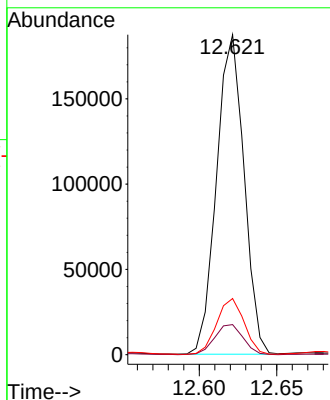
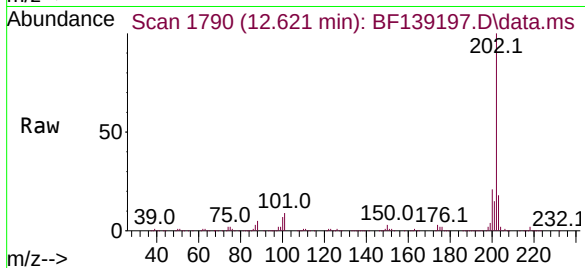




#75
Fluoranthene
Concen: 21.289 ng
RT: 12.621 min Scan# 1790
Delta R.T. 0.000 min
Lab File: BF139197.D
Acq: 27 Aug 2024 20:28

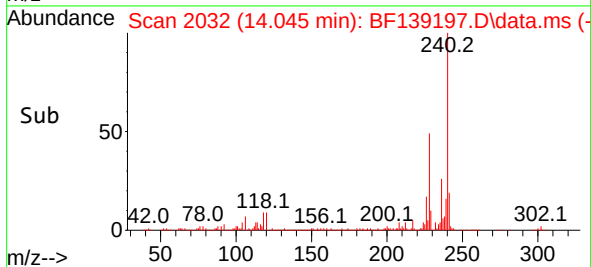
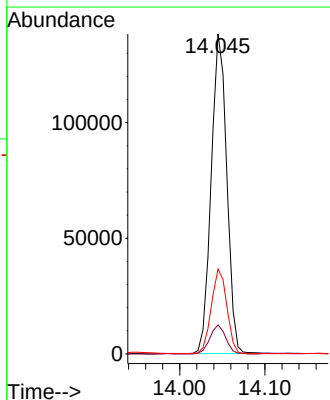
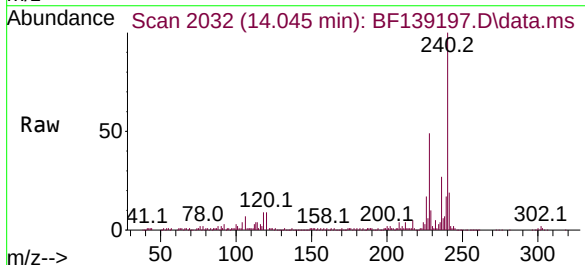
Instrument :
BNA_F
ClientSampleId :
UI-1

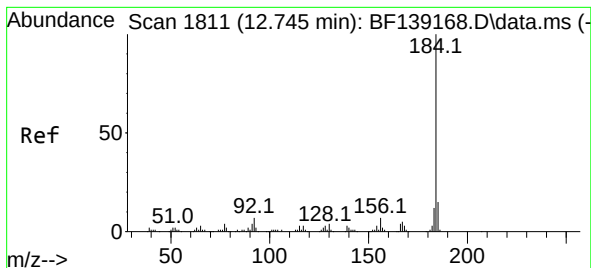
Tgt Ion:	202	Resp:	230733
Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	30.1
203	17.6	0.0	37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF139197.D
Acq: 27 Aug 2024 20:28

Tgt Ion:	240	Resp:	175476
Ion	Ratio	Lower	Upper
240	100		
120	9.1	6.9	10.3
236	26.5	20.9	31.3





#77

Benzidine

Concen: 2.224 ng

RT: 12.992 min Scan# 1853

Delta R.T. 0.247 min

Lab File: BF139197.D

Acq: 27 Aug 2024 20:28

Instrument :

BNA_F

ClientSampleId :

UI-1

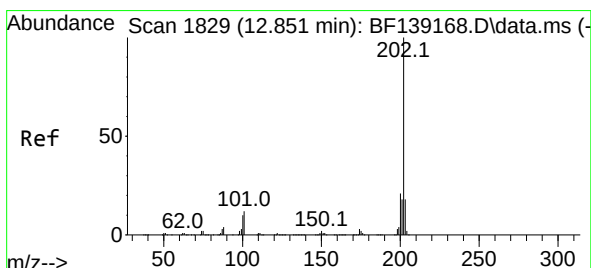
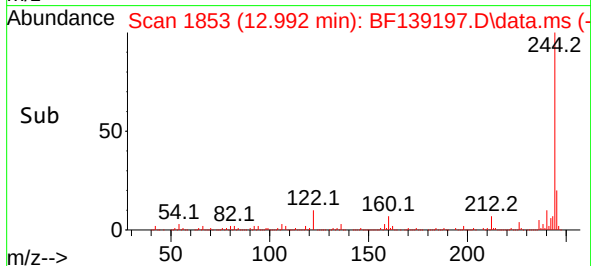
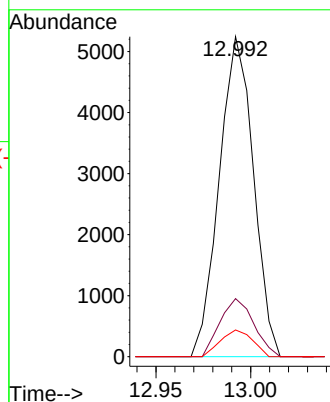
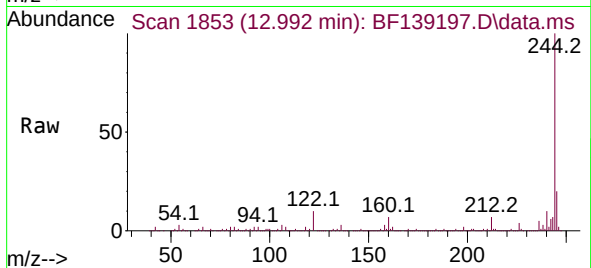
Tgt Ion:184 Resp: 6584

Ion Ratio Lower Upper

184 100

185 18.2 12.1 18.1#

183 8.4 9.4 14.0#



#78

Pyrene

Concen: 14.920 ng

RT: 12.851 min Scan# 1829

Delta R.T. -0.000 min

Lab File: BF139197.D

Acq: 27 Aug 2024 20:28

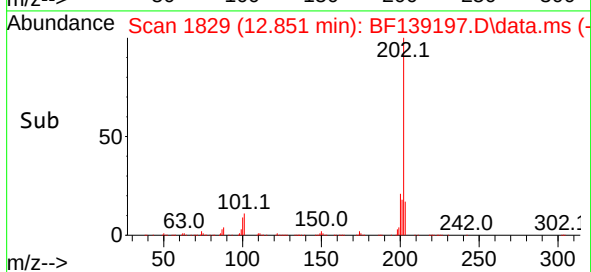
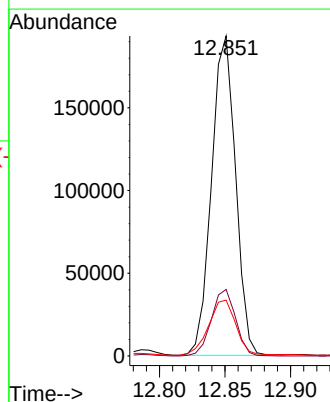
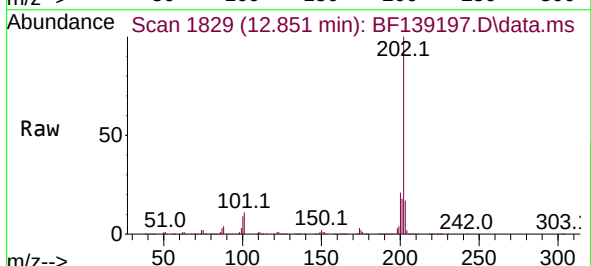
Tgt Ion:202 Resp: 245932

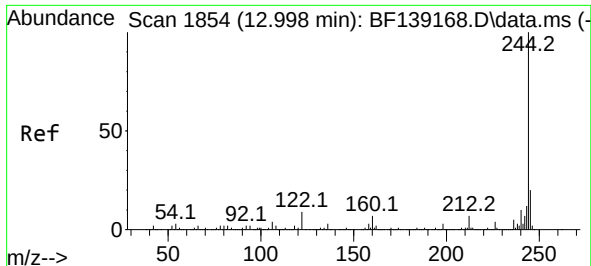
Ion Ratio Lower Upper

202 100

200 20.8 16.7 25.1

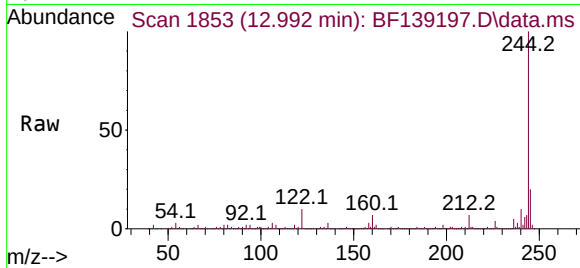
203 17.4 14.1 21.1



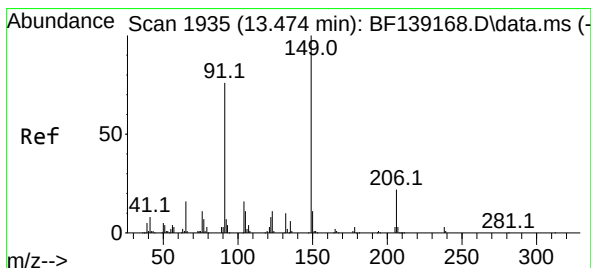
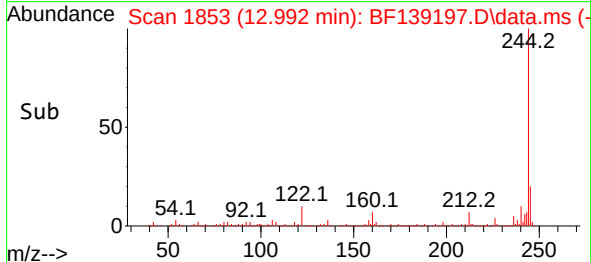
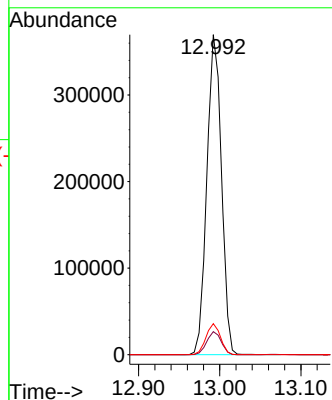


#79
 Terphenyl-d14
 Concen: 40.945 ng
 RT: 12.992 min Scan# 1853
 Delta R.T. -0.006 min
 Lab File: BF139197.D
 Acq: 27 Aug 2024 20:28

Instrument :
 BNA_F
 ClientSampleId :
 UI-1

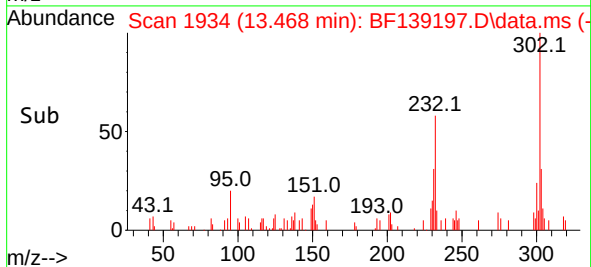
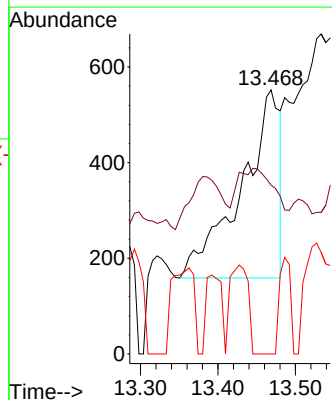
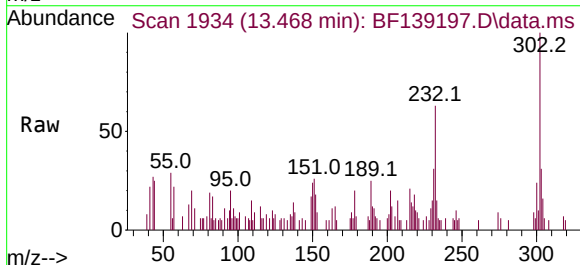


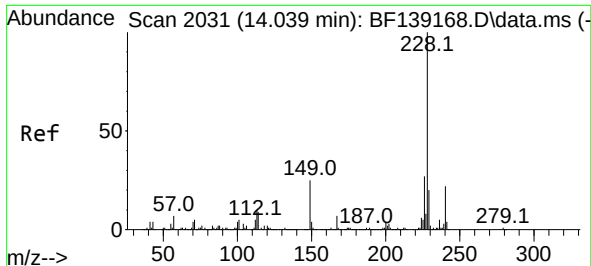
Tgt Ion:244 Resp: 460474
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.6
 122 9.7 7.6 11.4



#80
 Butylbenzylphthalate
 Concen: 4.841 ng
 RT: 13.468 min Scan# 1934
 Delta R.T. -0.006 min
 Lab File: BF139197.D
 Acq: 27 Aug 2024 20:28

Tgt Ion:149 Resp: 1361
 Ion Ratio Lower Upper
 149 100
 91 63.9 60.9 91.3
 206 0.0 17.7 26.5#

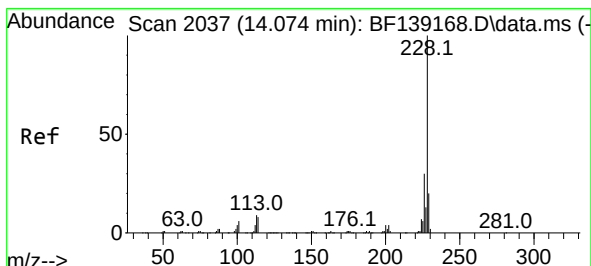
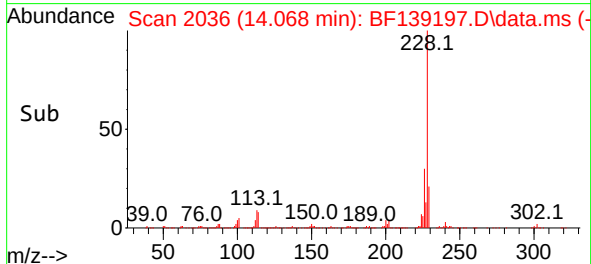
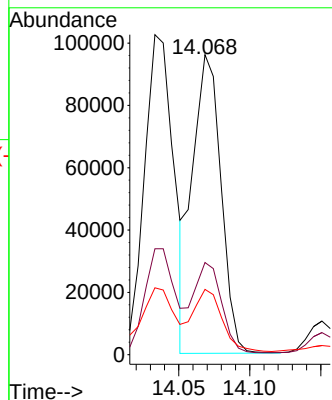
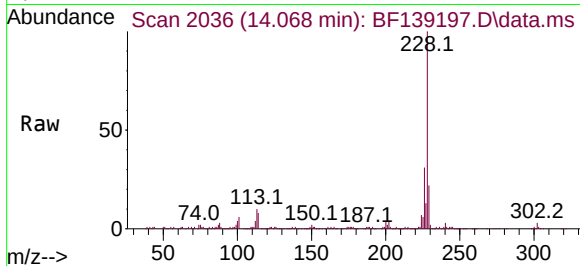




#81
Benzo(a)anthracene
Concen: 11.477 ng
RT: 14.068 min Scan# 2036
Delta R.T. 0.029 min
Lab File: BF139197.D
Acq: 27 Aug 2024 20:28

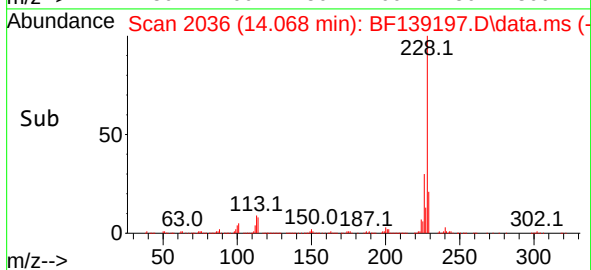
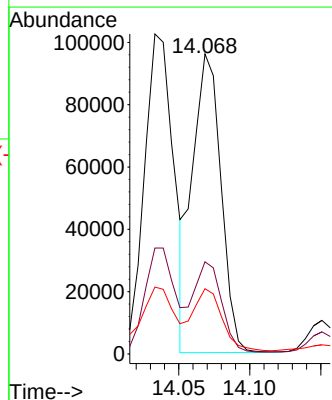
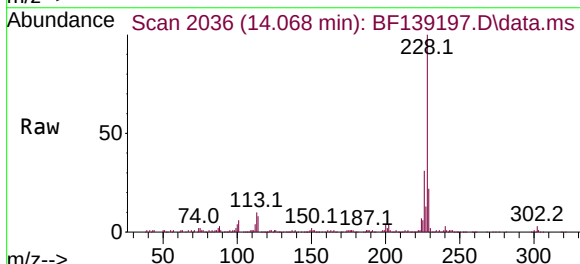
Instrument :
BNA_F
ClientSampleId :
UI-1

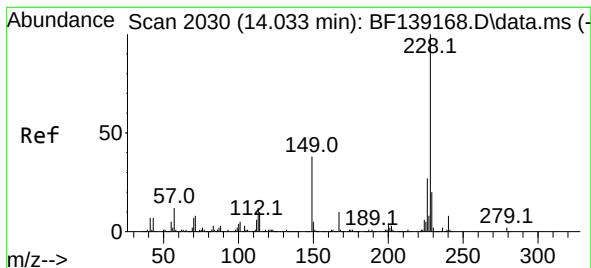
Tgt Ion:228 Resp: 133439
Ion Ratio Lower Upper
228 100
226 30.7 21.4 32.2
229 21.7 15.7 23.5



#83
Chrysene
Concen: 12.723 ng
RT: 14.068 min Scan# 2036
Delta R.T. -0.006 min
Lab File: BF139197.D
Acq: 27 Aug 2024 20:28

Tgt Ion:228 Resp: 133439
Ion Ratio Lower Upper
228 100
226 30.7 23.8 35.6
229 21.7 15.8 23.6

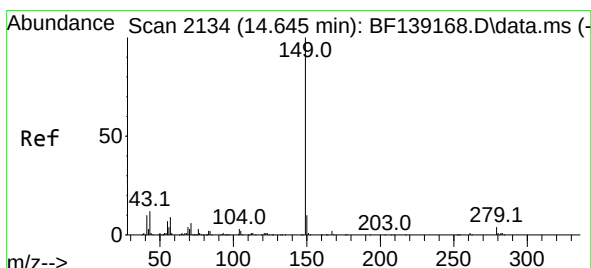
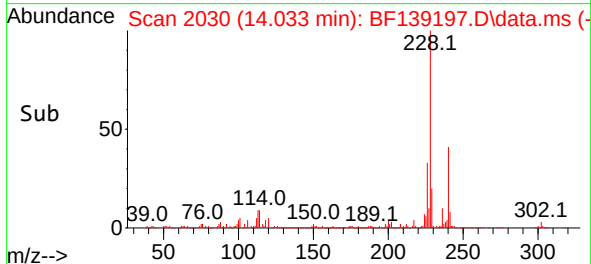
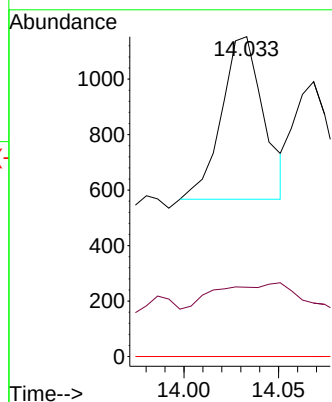
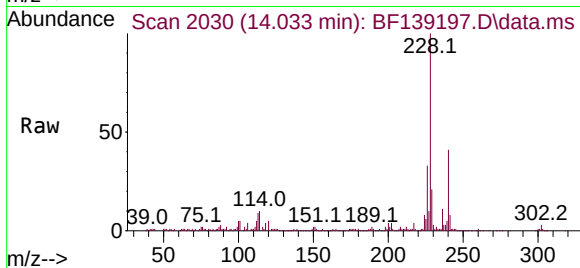




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.421 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF139197.D
Acq: 27 Aug 2024 20:28

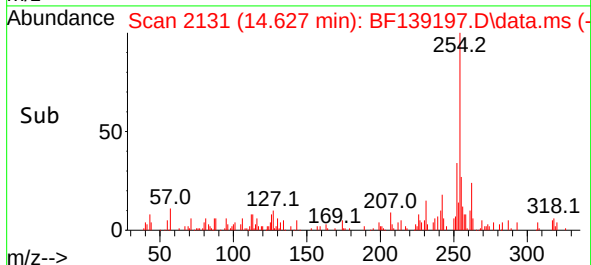
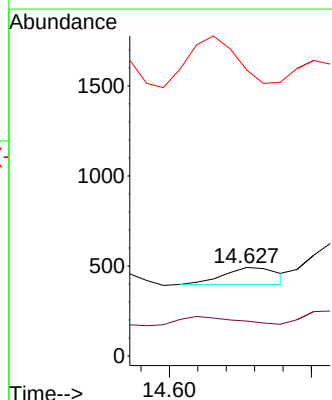
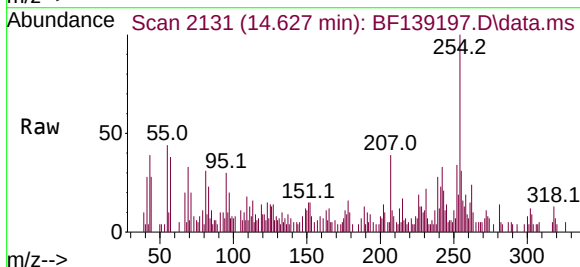
Instrument :
BNA_F
ClientSampleId :
UI-1

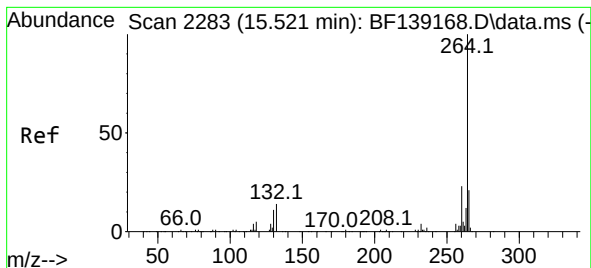
Tgt Ion:149 Resp: 906
Ion Ratio Lower Upper
149 100
167 21.7 21.3 31.9
279 0.0 3.4 5.0#



#85
Di-n-octyl phthalate
Concen: 8.966 ng
RT: 14.627 min Scan# 2131
Delta R.T. -0.018 min
Lab File: BF139197.D
Acq: 27 Aug 2024 20:28

Tgt Ion:149 Resp: 125
Ion Ratio Lower Upper
149 100
167 49.6 1.3 1.9#
43 272.0 9.9 14.9#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF139197.D

Acq: 27 Aug 2024 20:28

Instrument :

BNA_F

ClientSampleId :

UI-1

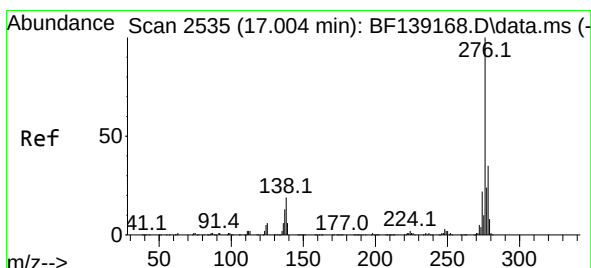
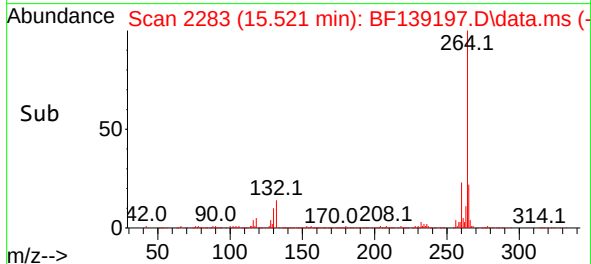
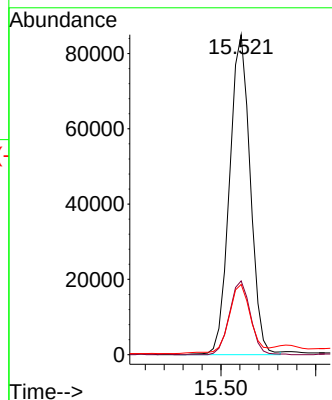
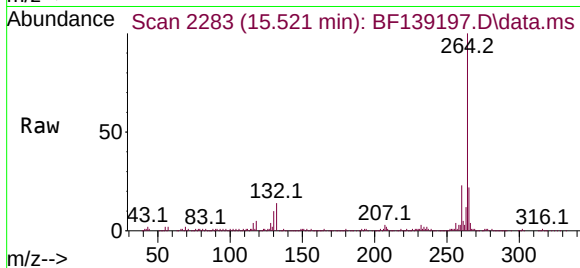
Tgt Ion:264 Resp: 128947

Ion Ratio Lower Upper

264 100

260 23.0 18.3 27.5

265 22.0 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.894 ng

RT: 16.992 min Scan# 2533

Delta R.T. -0.012 min

Lab File: BF139197.D

Acq: 27 Aug 2024 20:28

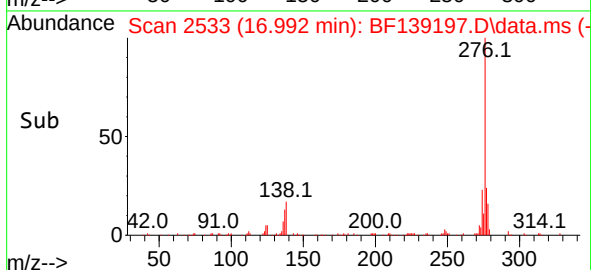
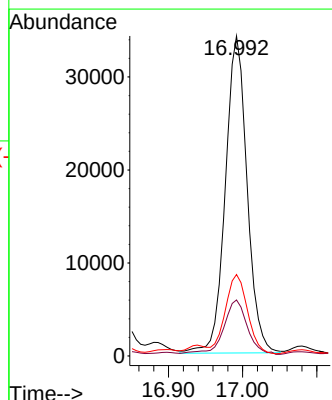
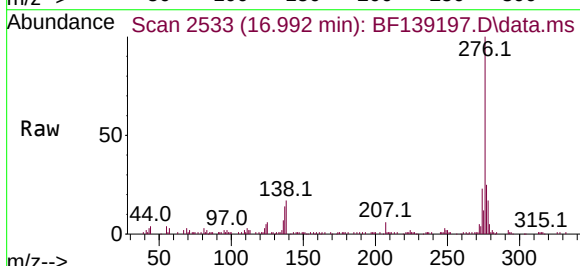
Tgt Ion:276 Resp: 69602

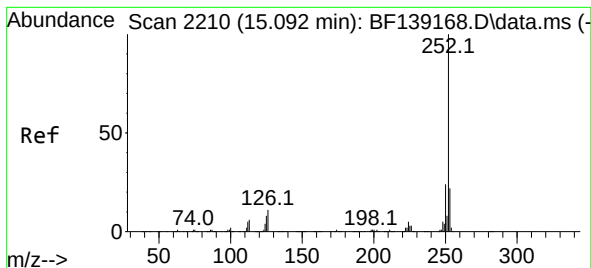
Ion Ratio Lower Upper

276 100

138 18.7 17.4 26.2

277 25.6 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 31.460 ng

RT: 15.092 min Scan# 2210

Delta R.T. 0.000 min

Lab File: BF139197.D

Acq: 27 Aug 2024 20:28

Instrument :

BNA_F

ClientSampleId :

UI-1

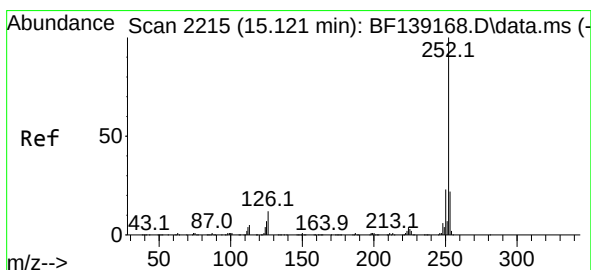
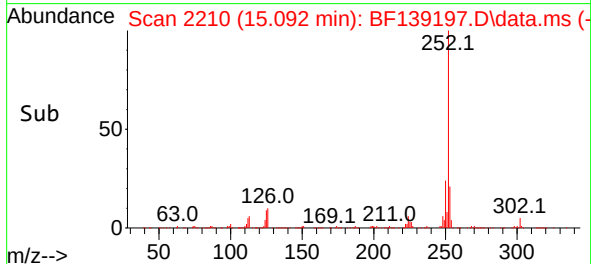
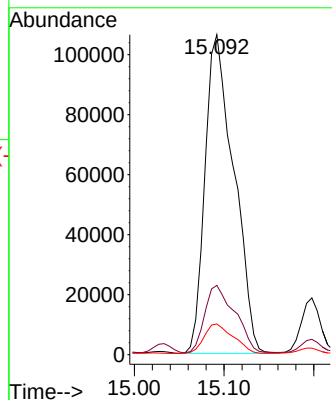
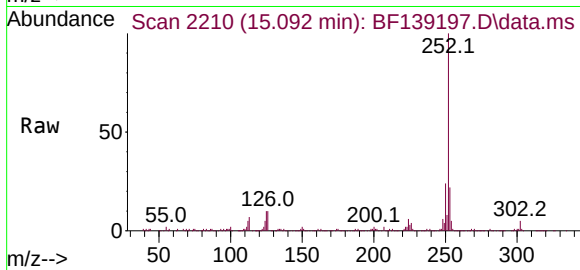
Tgt Ion:252 Resp: 237305

Ion Ratio Lower Upper

252 100

253 21.7 18.0 27.0

125 9.6 6.7 10.1



#89

Benzo(k)fluoranthene

Concen: 34.797 ng

RT: 15.092 min Scan# 2210

Delta R.T. -0.029 min

Lab File: BF139197.D

Acq: 27 Aug 2024 20:28

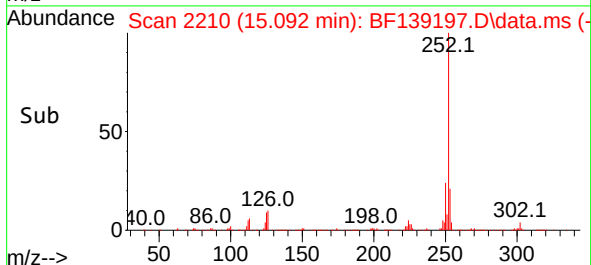
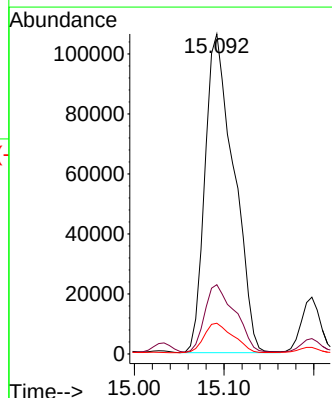
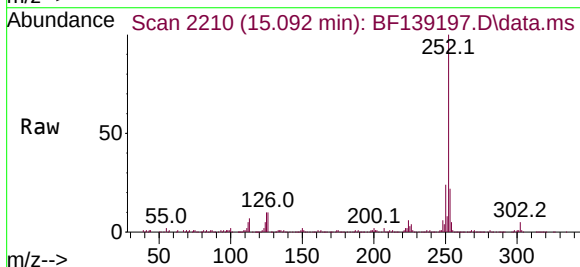
Tgt Ion:252 Resp: 237305

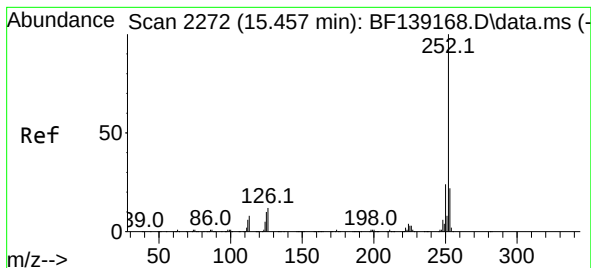
Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.6

125 9.6 6.5 9.7





#90

Benzo(a)pyrene

Concen: 18.216 ng

RT: 15.457 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF139197.D

Acq: 27 Aug 2024 20:28

Instrument :

BNA_F

ClientSampleId :

UI-1

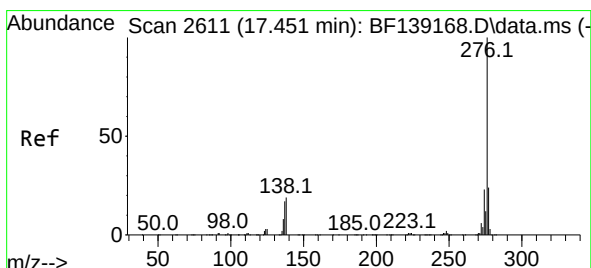
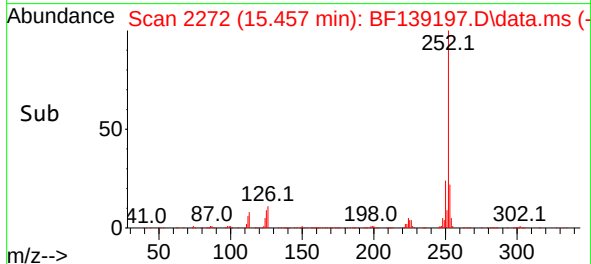
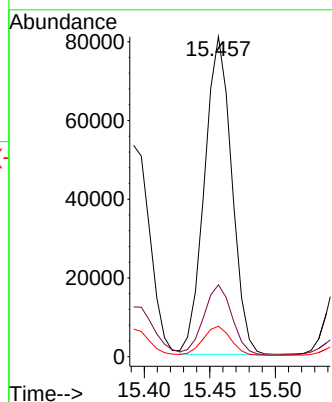
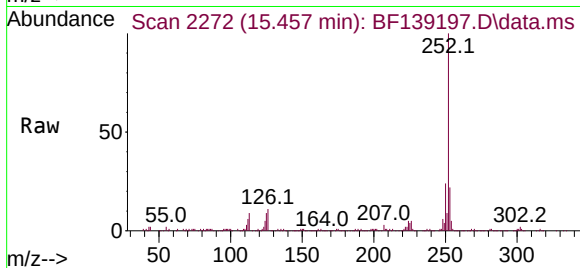
Tgt Ion:252 Resp: 116627

Ion Ratio Lower Upper

252 100

253 22.4 17.3 25.9

125 9.5 7.8 11.6



#92

Benzo(g,h,i)perylene

Concen: 8.784 ng

RT: 17.439 min Scan# 2609

Delta R.T. -0.012 min

Lab File: BF139197.D

Acq: 27 Aug 2024 20:28

Tgt Ion:276 Resp: 65659

Ion Ratio Lower Upper

276 100

277 25.3 19.0 28.6

138 18.9 15.0 22.6

