

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
 Data File : BF139855.D
 Acq On : 18 Oct 2024 15:50
 Operator : RC/JU
 Sample : P4431-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11934

Quant Time: Oct 18 16:16:10 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

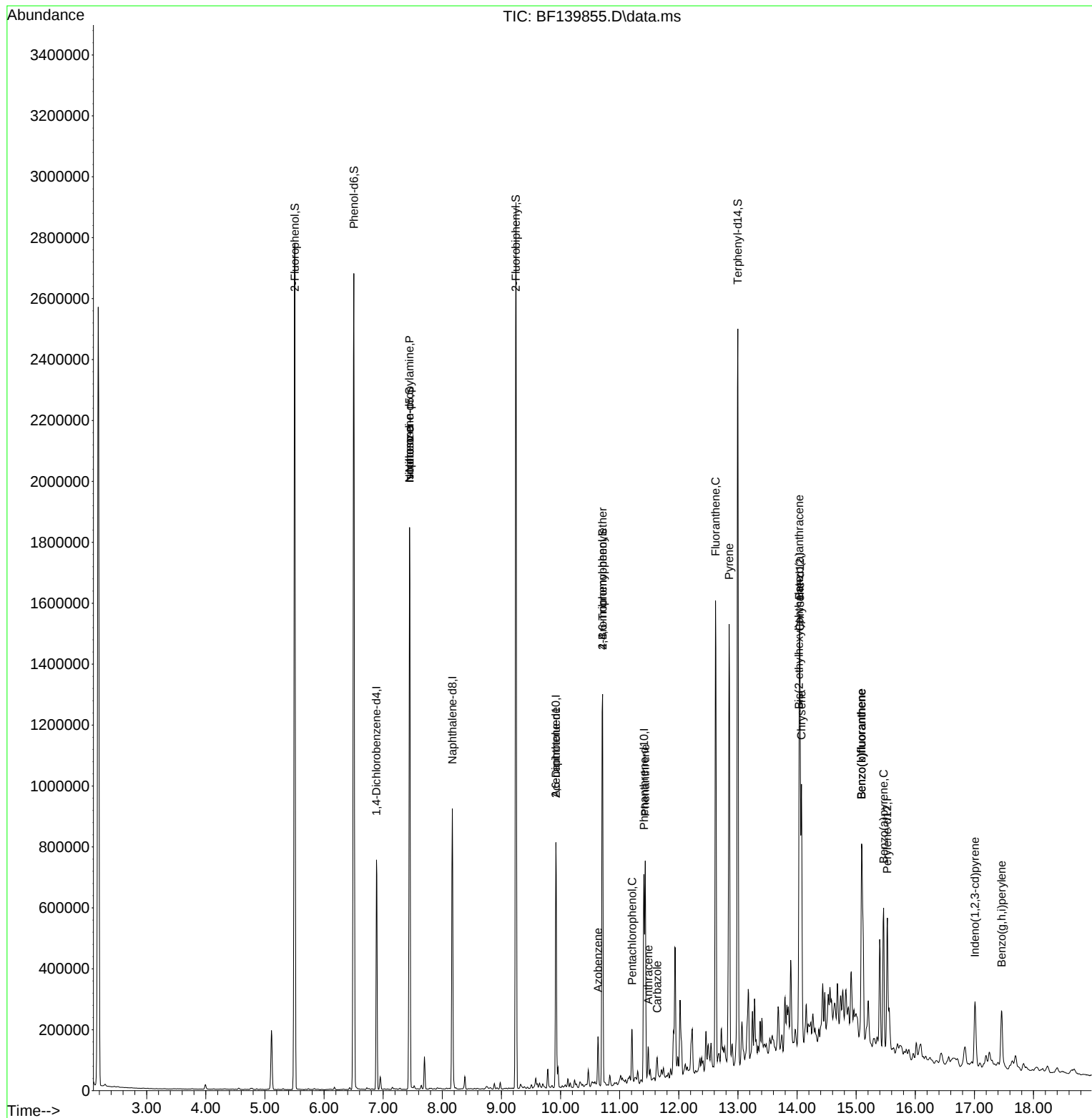
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	149416	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	526839	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	231462	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	340877	20.000	ng	0.00
76) Chrysene-d12	14.051	240	332383	20.000	ng	0.00
86) Perylene-d12	15.527	264	249176	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1044683	109.455	ng	0.00
7) Phenol-d6	6.504	99	1276180	103.238	ng	0.00
23) Nitrobenzene-d5	7.445	82	786909	82.783	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	200443	92.582	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1226035	87.542	ng	0.00
79) Terphenyl-d14	12.998	244	1164577	57.092	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	108711	14.500	ng	# 78
25) Isophorone	7.445	82	785612	43.544	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	30355	9.724	ng	# 22
63) Azobenzene	10.633	77	35802	2.386	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	13614	3.877	ng	# 1
70) Pentachlorophenol	11.210	266	24014	10.019	ng	98
71) Phenanthrene	11.433	178	363265	22.561	ng	99
72) Anthracene	11.486	178	63567	4.046	ng	99
73) Carbazole	11.633	167	32593	2.231	ng	97
75) Fluoranthene	12.622	202	836734	51.405	ng	99
78) Pyrene	12.851	202	805661	27.691	ng	98
81) Benzo(a)anthracene	14.039	228	465367	21.508	ng	94
83) Chrysene	14.074	228	430408	21.696	ng	97
84) Bis(2-ethylhexyl)phtha...	14.033	149	55926	5.715	ng	99
87) Indeno(1,2,3-cd)pyrene	17.010	276	163152	10.178	ng	95
88) Benzo(b)fluoranthene	15.092	252	600343	39.552	ng	98
89) Benzo(k)fluoranthene	15.092	252	600343	45.861	ng	98
90) Benzo(a)pyrene	15.463	252	277809	22.243	ng	98
92) Benzo(g,h,i)perylene	17.462	276	169517	12.691	ng	99

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

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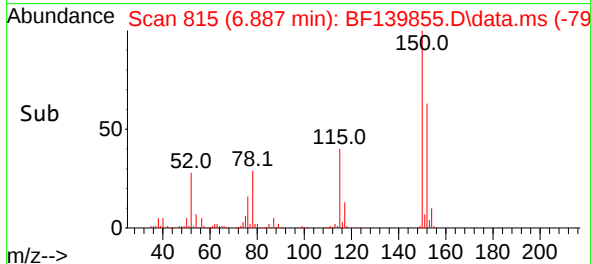
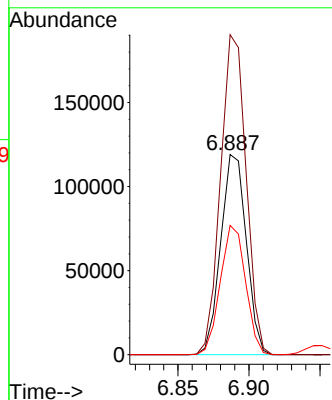
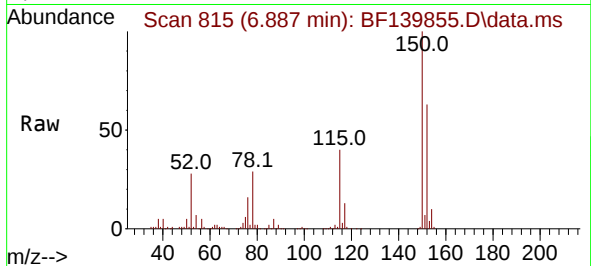




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF139855.D
Acq: 18 Oct 2024 15:50

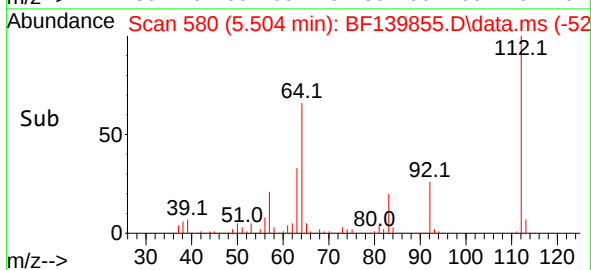
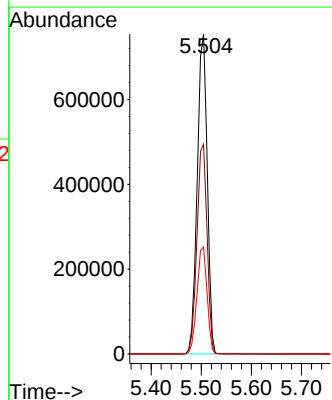
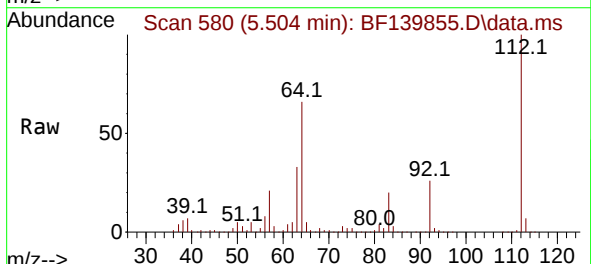
Instrument :
BNA_F
ClientSampleId :
72-11934

Tgt Ion:152 Resp: 149416
Ion Ratio Lower Upper
152 100
150 159.8 130.2 195.2
115 64.6 51.4 77.2



#5
2-Fluorophenol
Concen: 109.455 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF139855.D
Acq: 18 Oct 2024 15:50

Tgt Ion:112 Resp: 1044683
Ion Ratio Lower Upper
112 100
64 65.5 53.0 79.6
63 33.4 27.0 40.4





#7
Phenol-d6
Concen: 103.238 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139855.D
Acq: 18 Oct 2024 15:50

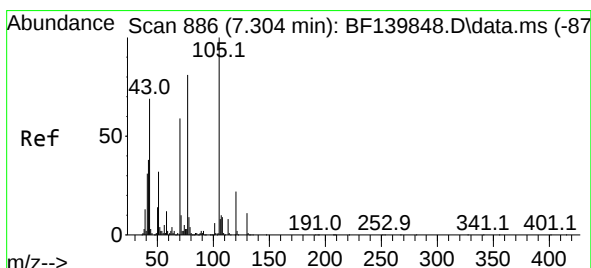
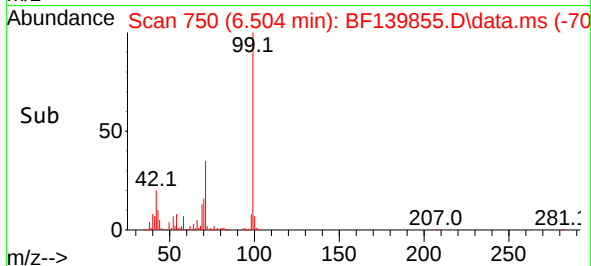
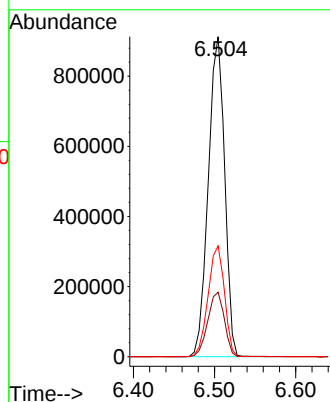
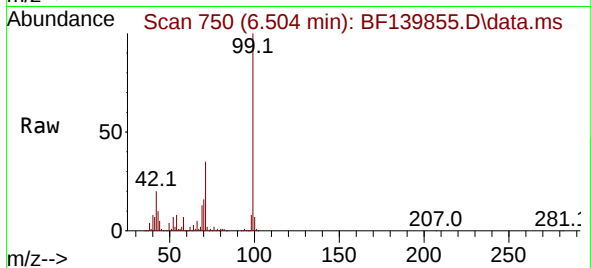
Instrument :

BNA_F

ClientSampleId :

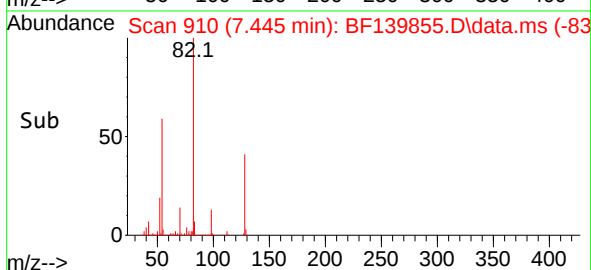
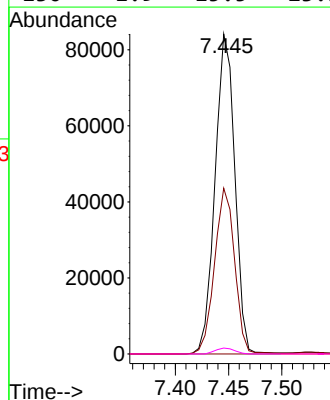
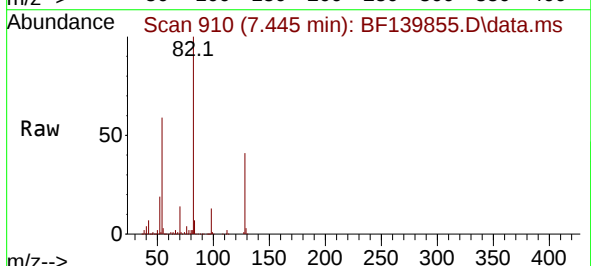
72-11934

Tgt Ion: 99 Resp: 1276180
Ion Ratio Lower Upper
99 100
42 20.2 16.7 25.1
71 34.6 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 14.500 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF139855.D
Acq: 18 Oct 2024 15:50

Tgt Ion: 70 Resp: 108711
Ion Ratio Lower Upper
70 100
42 51.8 51.5 77.3
101 0.0 7.5 11.3#
130 1.9 15.5 23.3#

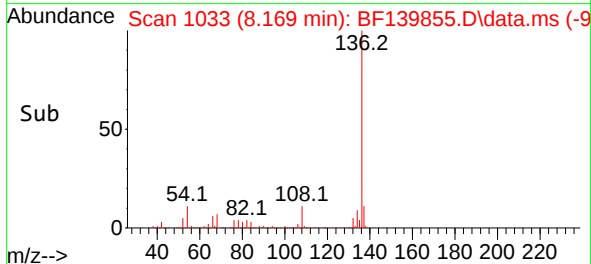
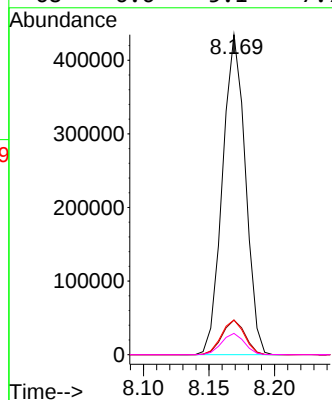
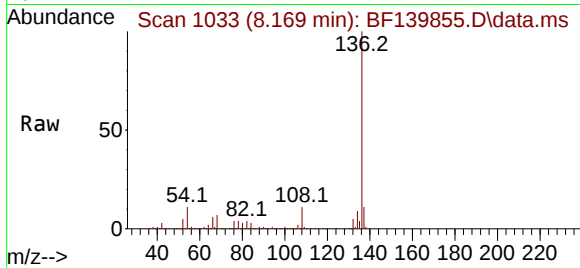




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139855.D
Acq: 18 Oct 2024 15:50

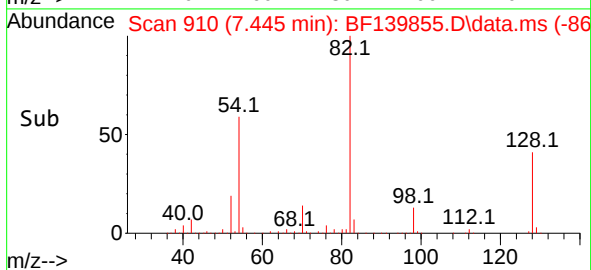
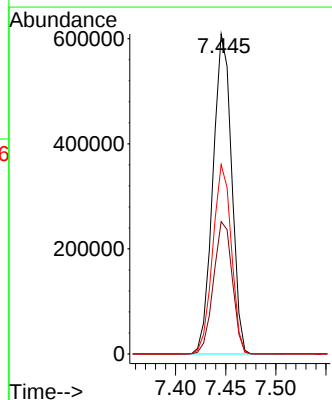
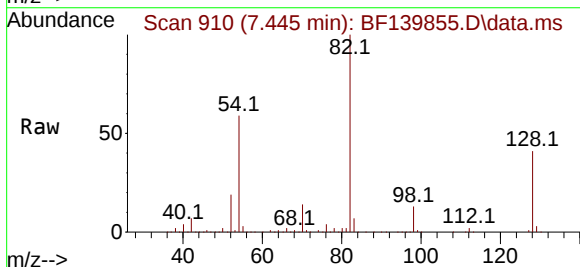
Instrument :
BNA_F
ClientSampleId :
72-11934

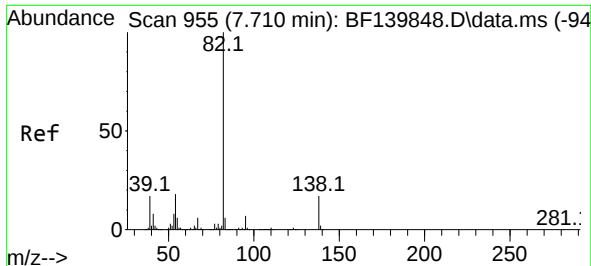
Tgt Ion:	136	Resp:	526839
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	10.8	8.4	12.6
68	6.6	5.1	7.7



#23
Nitrobenzene-d5
Concen: 82.783 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF139855.D
Acq: 18 Oct 2024 15:50

Tgt Ion:	82	Resp:	786909
Ion	Ratio	Lower	Upper
82	100		
128	41.3	33.4	50.0
54	59.2	47.8	71.8

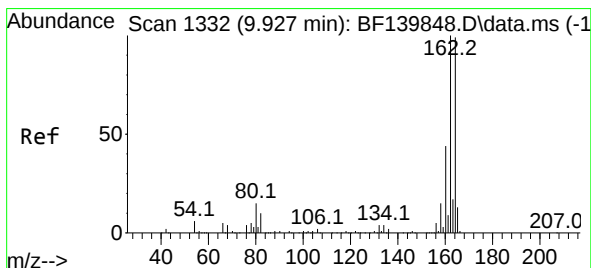
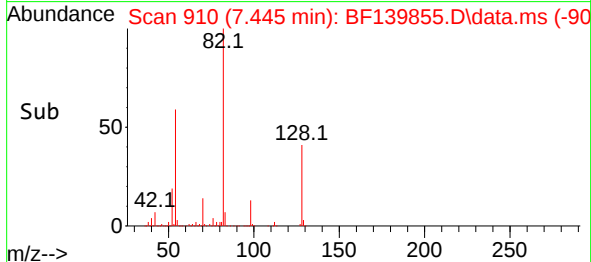
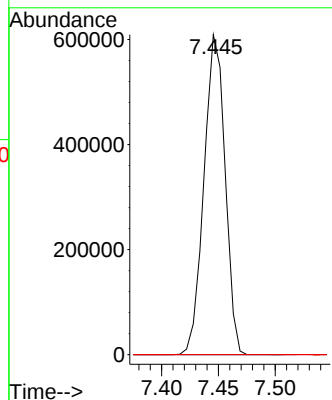
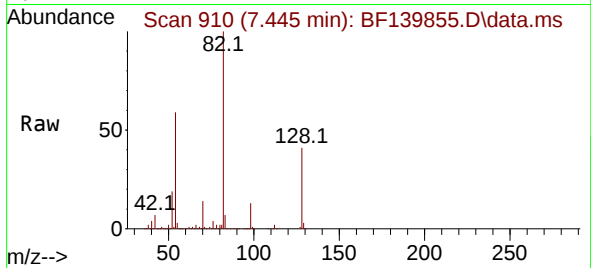




#25
Isophorone
Concen: 43.544 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.264 min
Lab File: BF139855.D
Acq: 18 Oct 2024 15:50

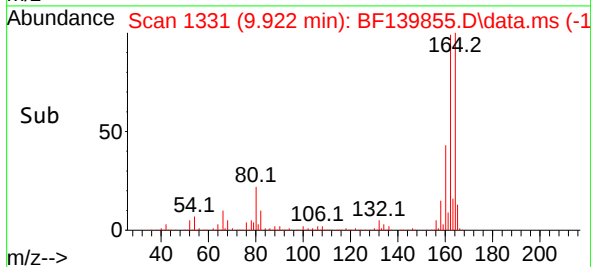
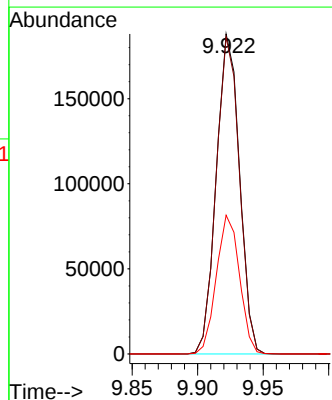
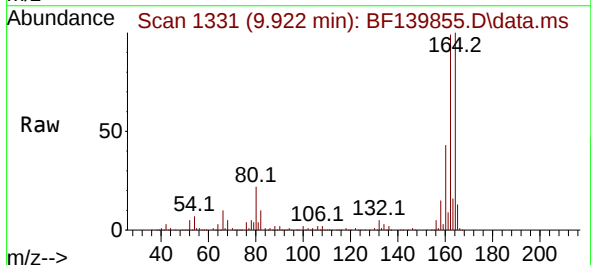
Instrument :
BNA_F
ClientSampleId :
72-11934

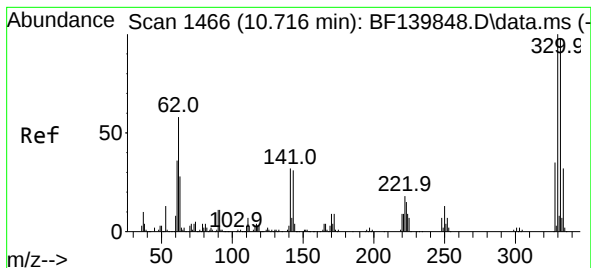
Tgt Ion: 82 Resp: 785612
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.005 min
Lab File: BF139855.D
Acq: 18 Oct 2024 15:50

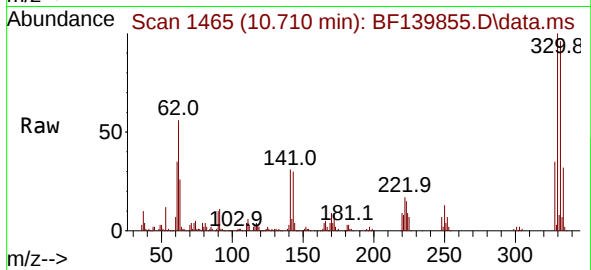
Tgt Ion:164 Resp: 231462
Ion Ratio Lower Upper
164 100
162 99.0 81.0 121.4
160 43.4 35.4 53.0



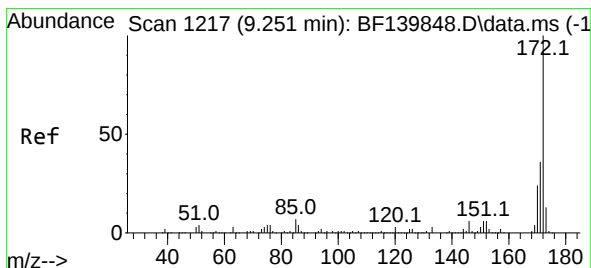
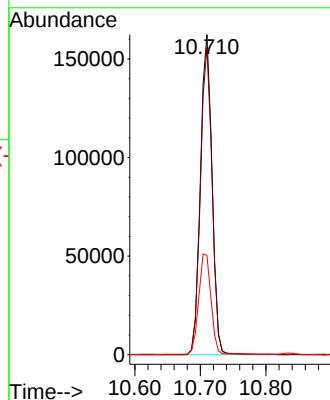
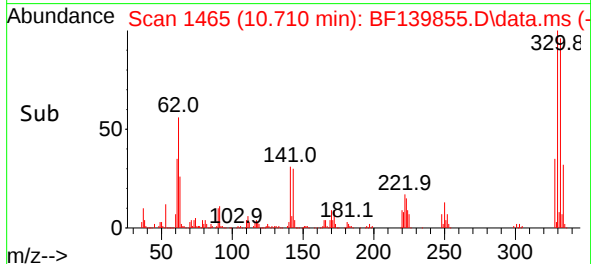


#42
2,4,6-Tribromophenol
Concen: 92.582 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF139855.D
Acq: 18 Oct 2024 15:50

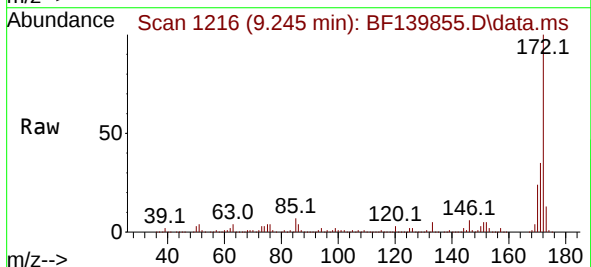
Instrument :
BNA_F
ClientSampleId :
72-11934



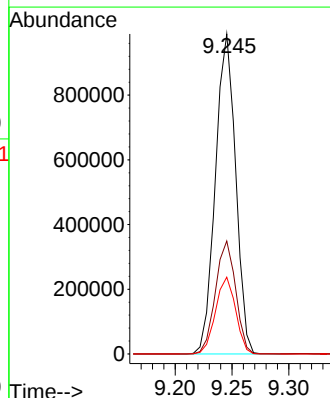
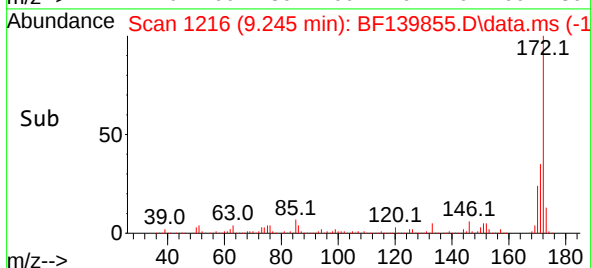
Tgt Ion:330 Resp: 200443
Ion Ratio Lower Upper
330 100
332 96.2 78.1 117.1
141 33.0 26.6 39.8

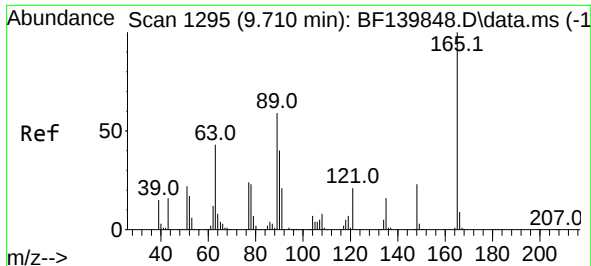


#45
2-Fluorobiphenyl
Concen: 87.542 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF139855.D
Acq: 18 Oct 2024 15:50



Tgt Ion:172 Resp: 1226035
Ion Ratio Lower Upper
172 100
171 35.3 28.6 43.0
170 24.0 19.1 28.7

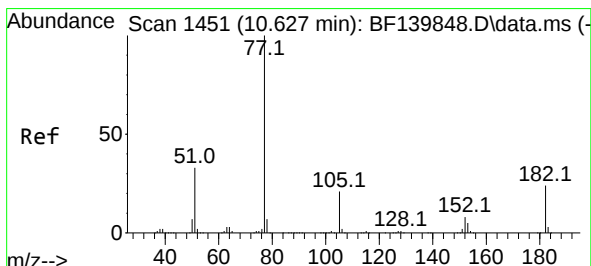
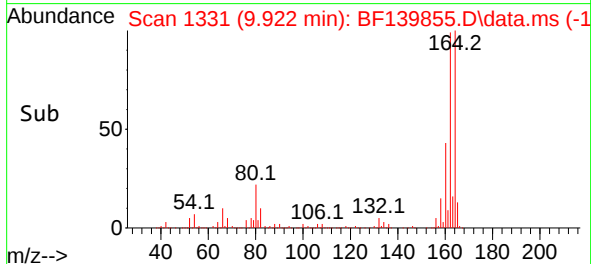
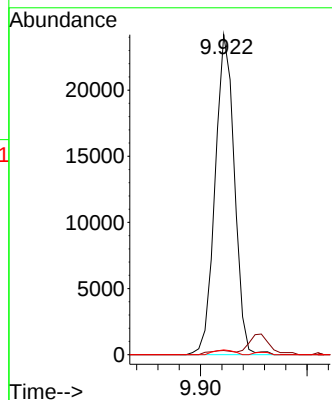
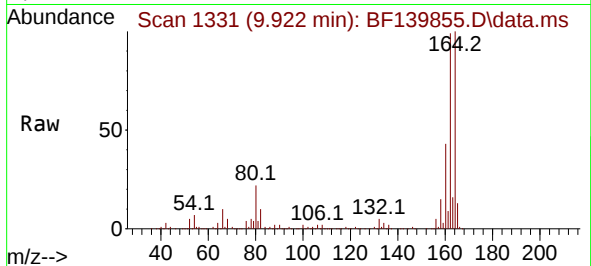




#51
2,6-Dinitrotoluene
Concen: 9.724 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF139855.D
Acq: 18 Oct 2024 15:50

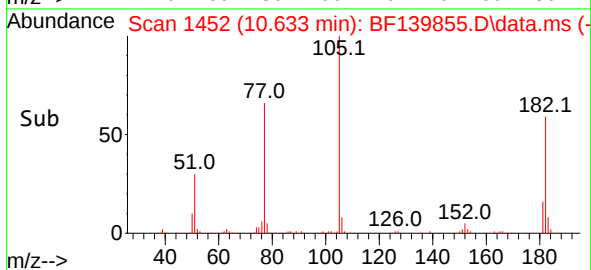
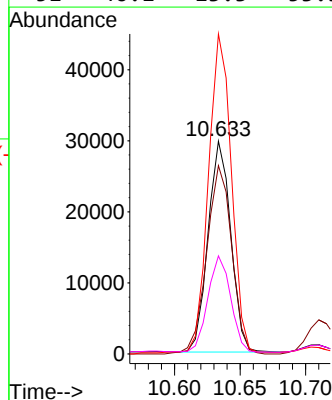
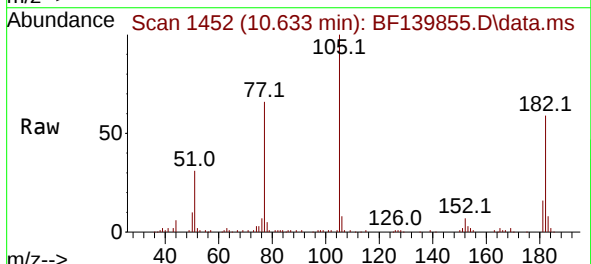
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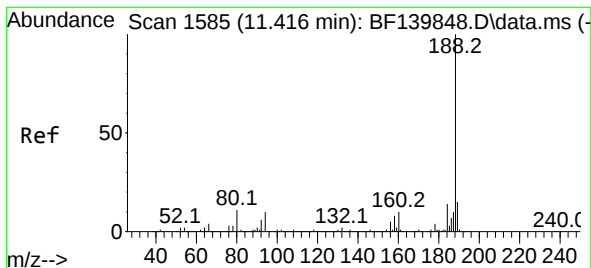
Tgt Ion:165 Resp: 30355
Ion Ratio Lower Upper
165 100
63 1.3 50.6 75.8#
89 1.5 47.5 71.3#



#63
Azobenzene
Concen: 2.386 ng
RT: 10.633 min Scan# 1452
Delta R.T. 0.006 min
Lab File: BF139855.D
Acq: 18 Oct 2024 15:50

Tgt Ion: 77 Resp: 35802
Ion Ratio Lower Upper
77 100
182 88.5 3.3 43.3#
105 150.4 1.2 41.2#
51 46.1 13.3 53.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139855.D

Acq: 18 Oct 2024 15:50

Instrument :

BNA_F

ClientSampleId :

72-11934

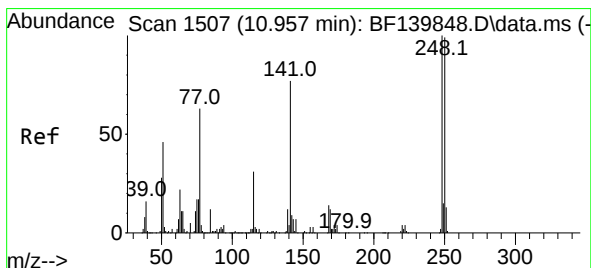
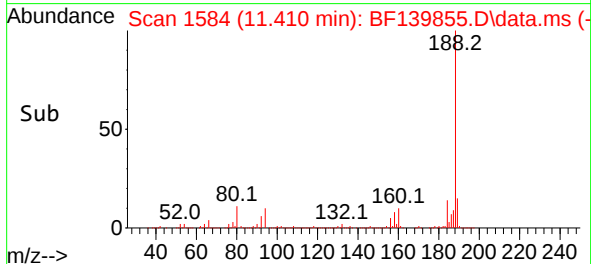
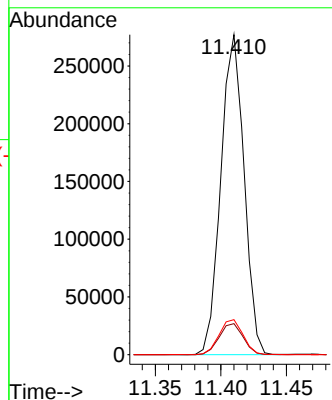
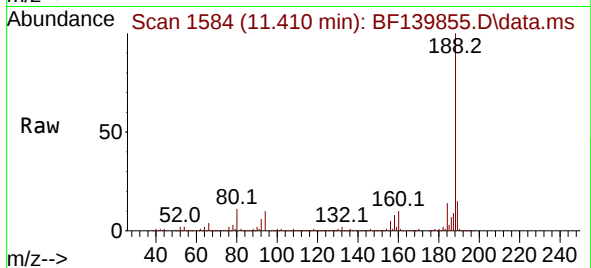
Tgt Ion:188 Resp: 340877

Ion Ratio Lower Upper

188 100

94 9.7 7.9 11.9

80 10.9 9.0 13.4



#67

4-Bromophenyl-phenylether

Concen: 3.877 ng

RT: 10.710 min Scan# 1465

Delta R.T. -0.247 min

Lab File: BF139855.D

Acq: 18 Oct 2024 15:50

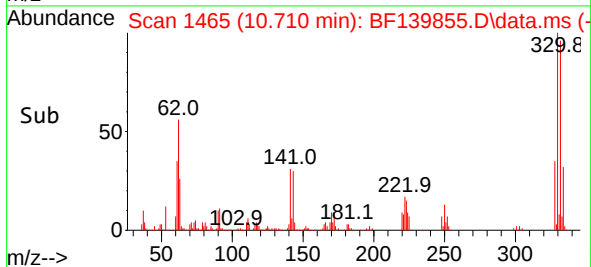
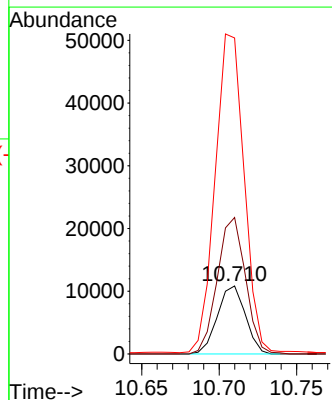
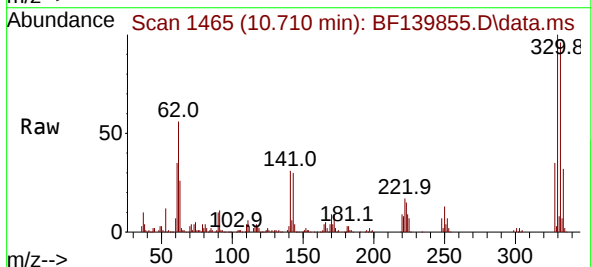
Tgt Ion:248 Resp: 13614

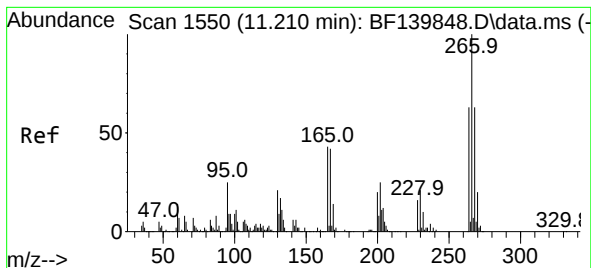
Ion Ratio Lower Upper

248 100

250 200.8 79.0 118.6#

141 464.8 61.7 92.5#





#70

Pentachlorophenol

Concen: 10.019 ng

RT: 11.210 min Scan# 1550

Delta R.T. 0.000 min

Lab File: BF139855.D

Acq: 18 Oct 2024 15:50

Instrument :

BNA_F

ClientSampleId :

72-11934

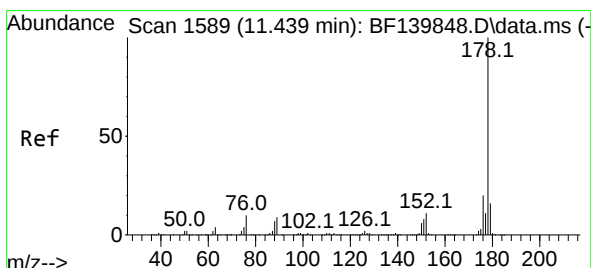
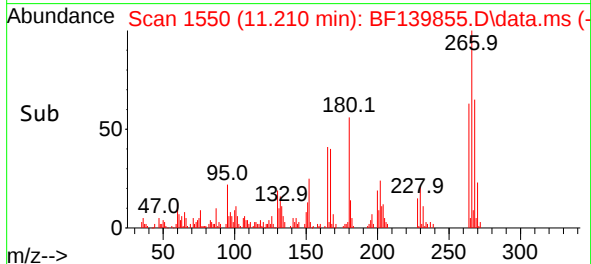
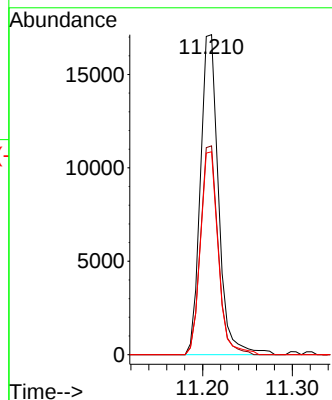
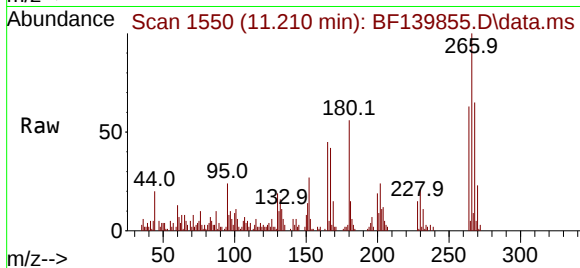
Tgt Ion:266 Resp: 24014

Ion Ratio Lower Upper

266 100

268 65.3 50.4 75.6

264 63.4 50.6 75.8



#71

Phenanthrene

Concen: 22.561 ng

RT: 11.433 min Scan# 1588

Delta R.T. -0.006 min

Lab File: BF139855.D

Acq: 18 Oct 2024 15:50

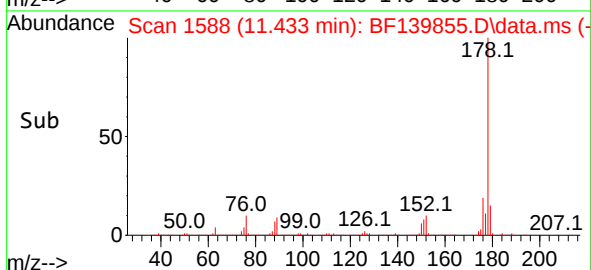
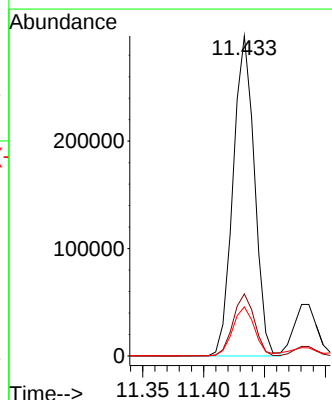
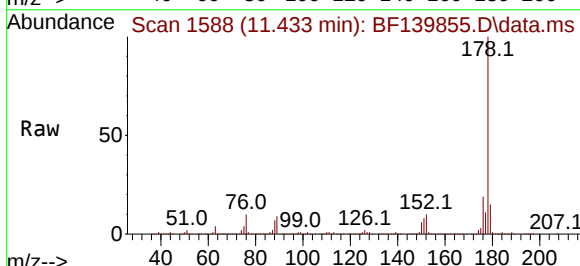
Tgt Ion:178 Resp: 363265

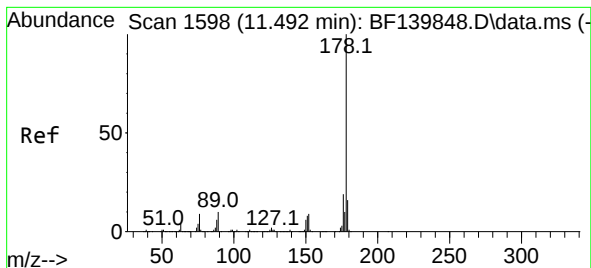
Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.6

179 15.4 12.6 18.8





#72

Anthracene

Concen: 4.046 ng

RT: 11.486 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139855.D

Acq: 18 Oct 2024 15:50

Instrument :

BNA_F

ClientSampleId :

72-11934

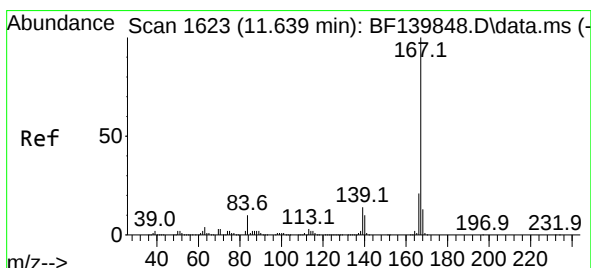
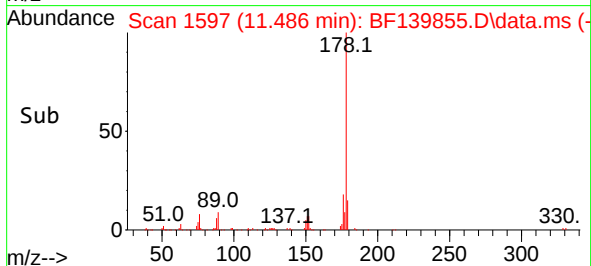
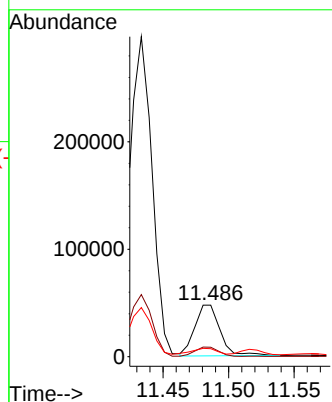
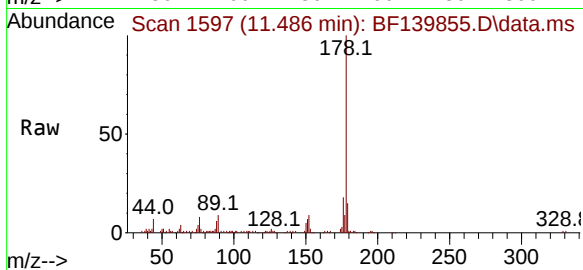
Tgt Ion:178 Resp: 63567

Ion Ratio Lower Upper

178 100

176 18.4 15.3 22.9

179 15.5 12.4 18.6



#73

Carbazole

Concen: 2.231 ng

RT: 11.633 min Scan# 1622

Delta R.T. -0.006 min

Lab File: BF139855.D

Acq: 18 Oct 2024 15:50

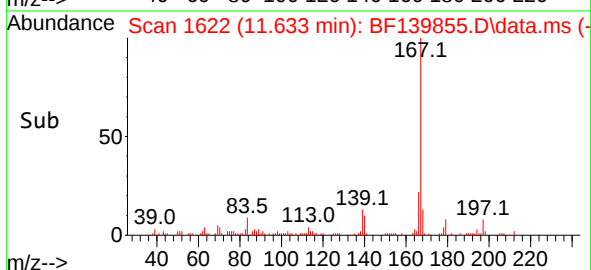
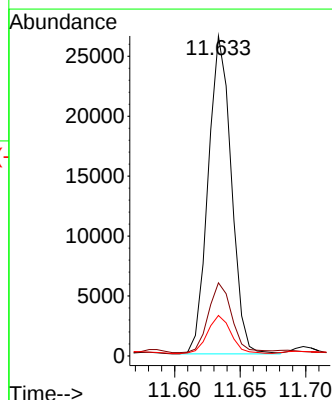
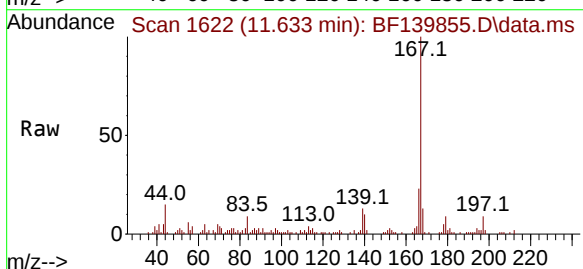
Tgt Ion:167 Resp: 32593

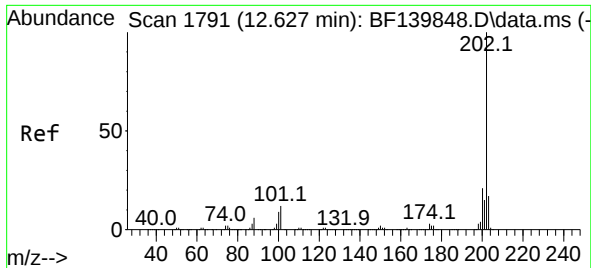
Ion Ratio Lower Upper

167 100

166 22.8 17.0 25.6

139 12.7 10.8 16.2

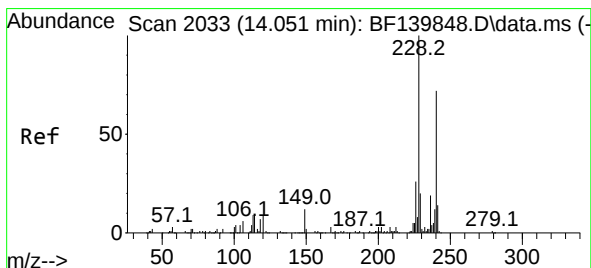
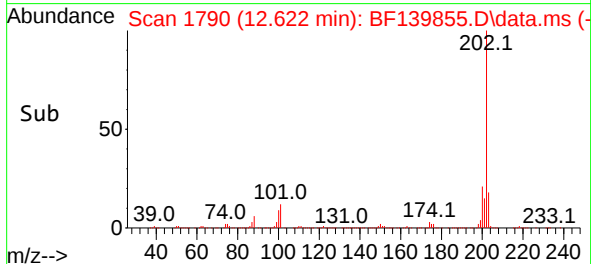
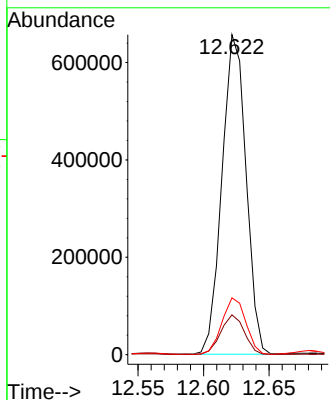
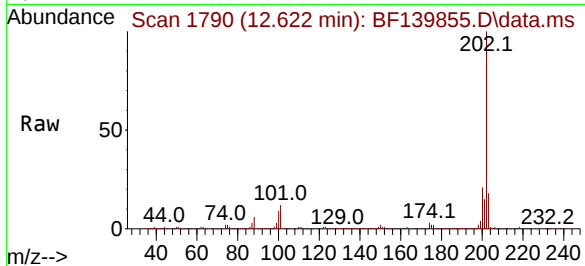




#75
Fluoranthene
Concen: 51.405 ng
RT: 12.622 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139855.D
Acq: 18 Oct 2024 15:50

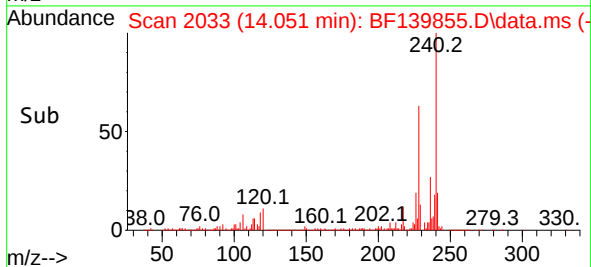
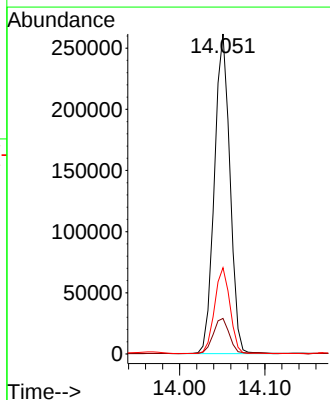
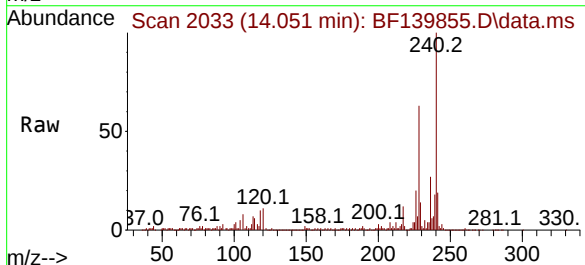
Instrument :
BNA_F
ClientSampleId :
72-11934

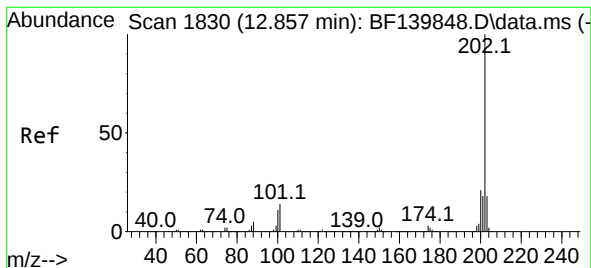
Tgt Ion:202 Resp: 836734
Ion Ratio Lower Upper
202 100
101 12.5 0.0 31.9
203 17.8 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF139855.D
Acq: 18 Oct 2024 15:50

Tgt Ion:240 Resp: 332383
Ion Ratio Lower Upper
240 100
120 11.1 9.4 14.2
236 26.9 20.9 31.3





#78

Pyrene

Concen: 27.691 ng

RT: 12.851 min Scan# 1829

Delta R.T. -0.006 min

Lab File: BF139855.D

Acq: 18 Oct 2024 15:50

Instrument :

BNA_F

ClientSampleId :

72-11934

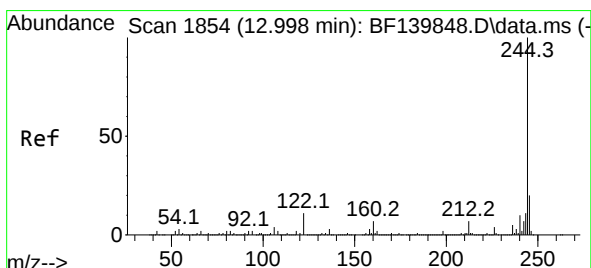
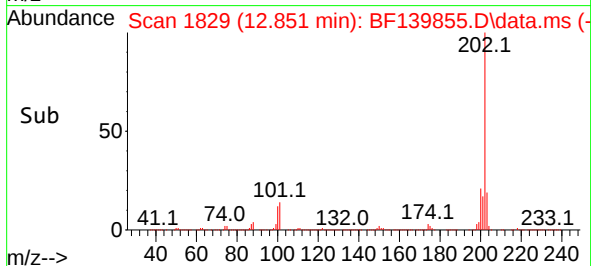
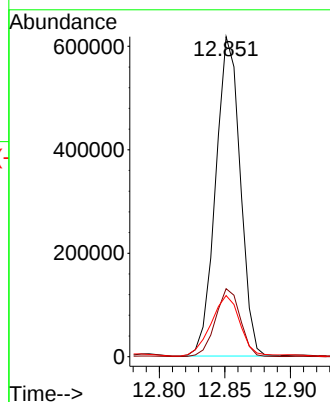
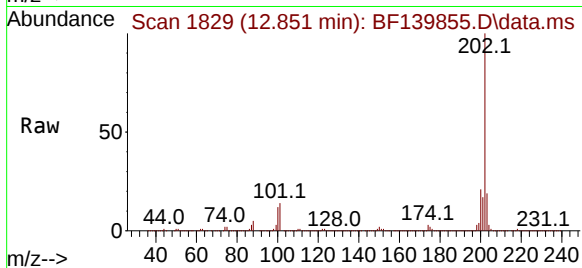
Tgt Ion:202 Resp: 805661

Ion Ratio Lower Upper

202 100

200 21.3 17.2 25.8

203 19.1 14.2 21.4



#79

Terphenyl-d14

Concen: 57.092 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF139855.D

Acq: 18 Oct 2024 15:50

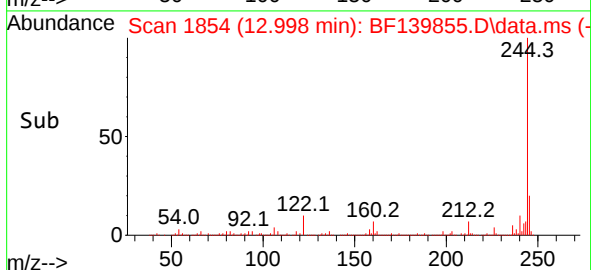
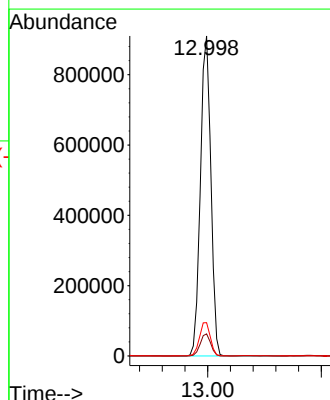
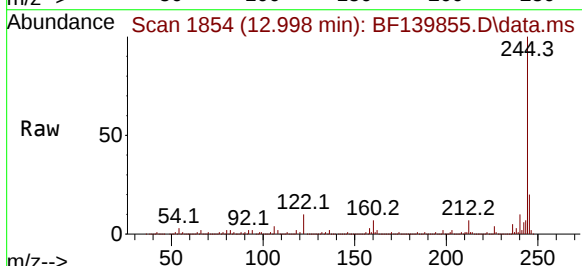
Tgt Ion:244 Resp: 1164577

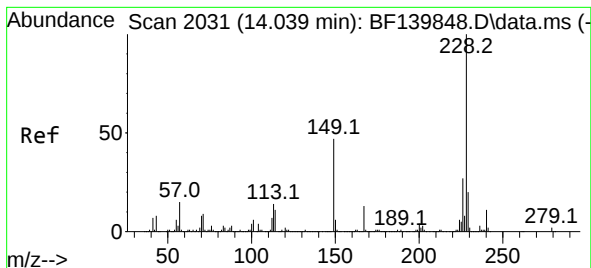
Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

122 10.4 8.6 13.0





#81

Benzo(a)anthracene

Concen: 21.508 ng

RT: 14.039 min Scan# 2031

Delta R.T. 0.000 min

Lab File: BF139855.D

Acq: 18 Oct 2024 15:50

Instrument :

BNA_F

ClientSampleId :

72-11934

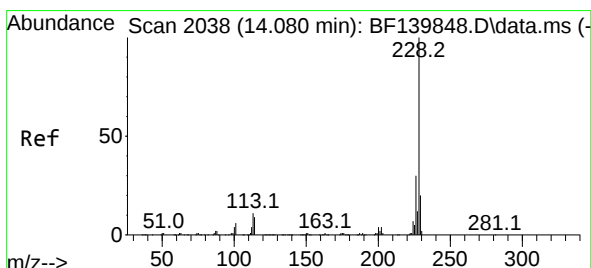
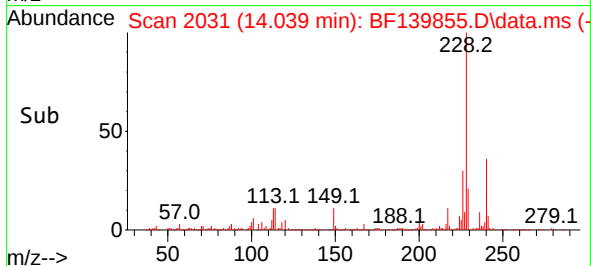
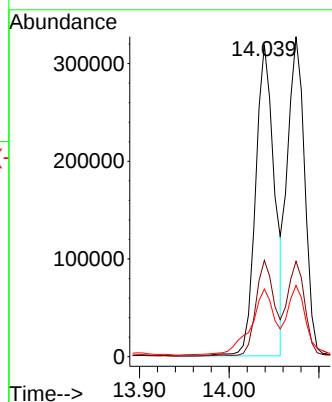
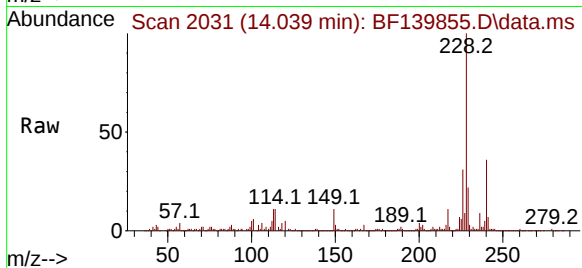
Tgt Ion:228 Resp: 465367

Ion Ratio Lower Upper

228 100

226 30.9 21.6 32.4

229 21.7 16.1 24.1



#83

Chrysene

Concen: 21.696 ng

RT: 14.074 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF139855.D

Acq: 18 Oct 2024 15:50

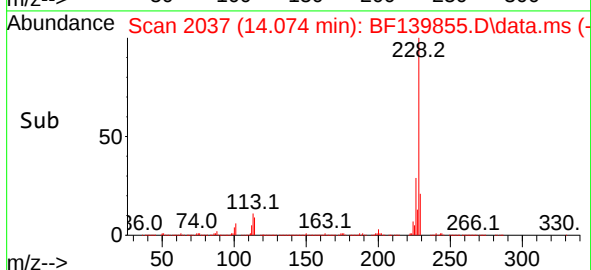
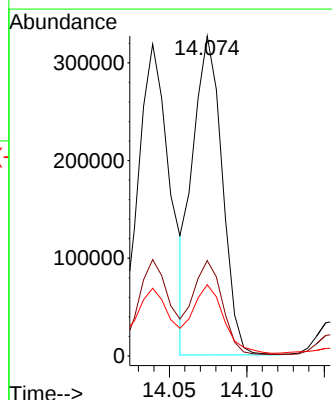
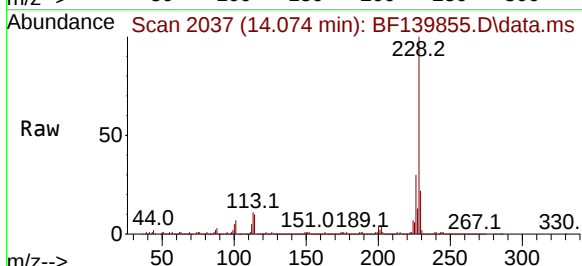
Tgt Ion:228 Resp: 430408

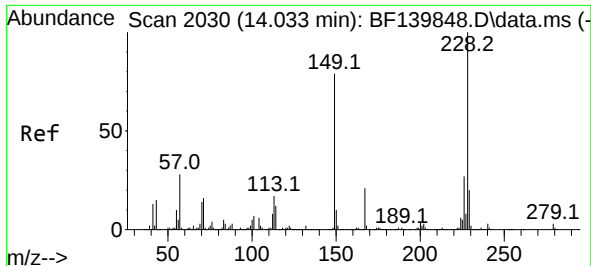
Ion Ratio Lower Upper

228 100

226 29.8 24.1 36.1

229 22.2 15.8 23.6

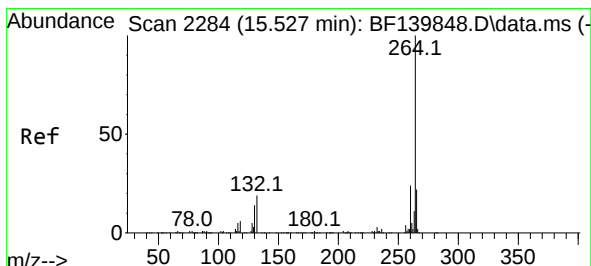
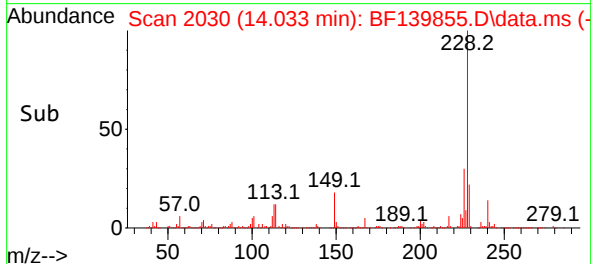
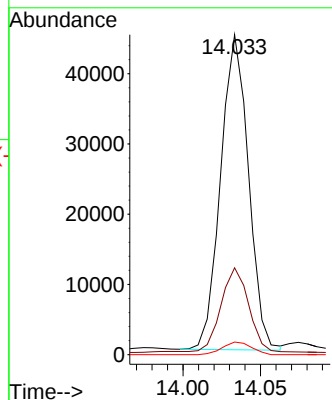
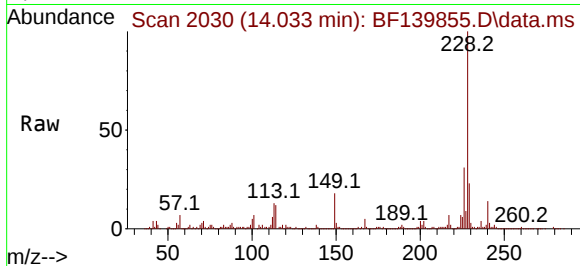




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 5.715 ng
 RT: 14.033 min Scan# 2030
 Delta R.T. 0.000 min
 Lab File: BF139855.D
 Acq: 18 Oct 2024 15:50

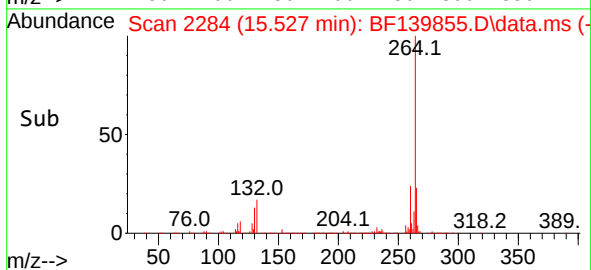
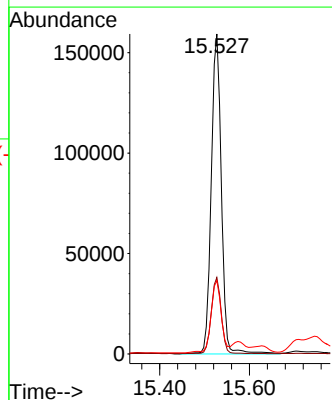
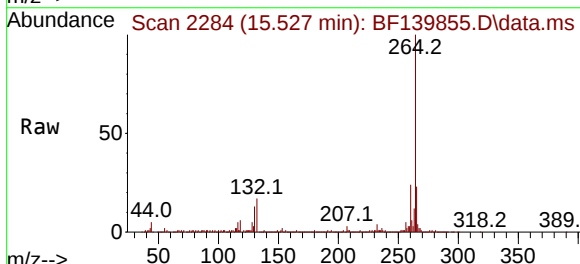
Instrument :
 BNA_F
 ClientSampleId :
 72-11934

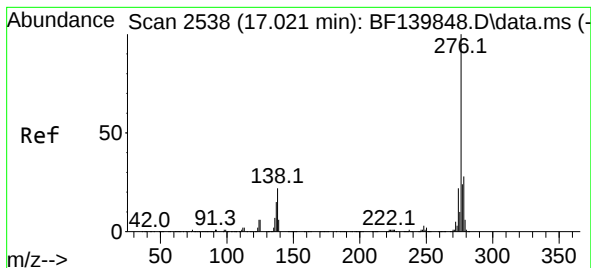
Tgt Ion:	149	Resp:	55926
Ion Ratio	Lower	Upper	
149	100		
167	27.2	21.4	32.0
279	4.0	3.0	4.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.527 min Scan# 2284
 Delta R.T. 0.000 min
 Lab File: BF139855.D
 Acq: 18 Oct 2024 15:50

Tgt Ion:	264	Resp:	249176
Ion Ratio	Lower	Upper	
264	100		
260	23.9	19.4	29.2
265	23.0	17.4	26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.178 ng

RT: 17.010 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF139855.D

Acq: 18 Oct 2024 15:50

Instrument :

BNA_F

ClientSampleId :

72-11934

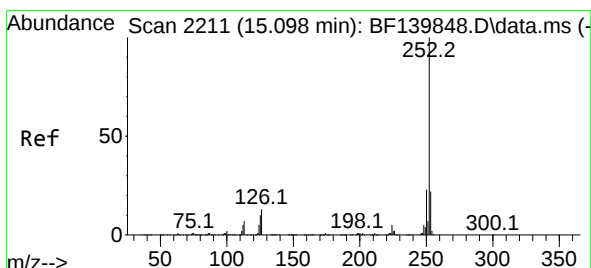
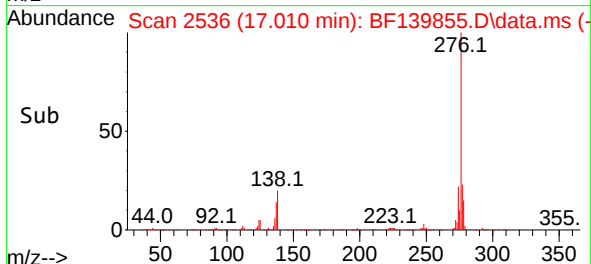
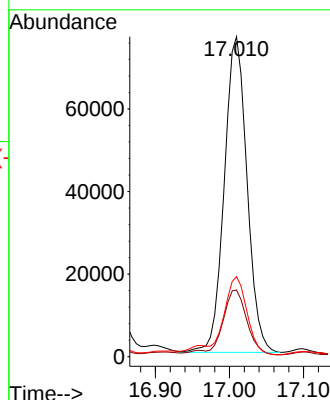
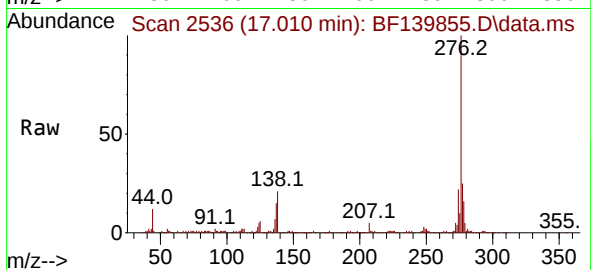
Tgt Ion:276 Resp: 163152

Ion Ratio Lower Upper

276 100

138 22.6 20.4 30.6

277 27.0 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 39.552 ng

RT: 15.092 min Scan# 2210

Delta R.T. -0.006 min

Lab File: BF139855.D

Acq: 18 Oct 2024 15:50

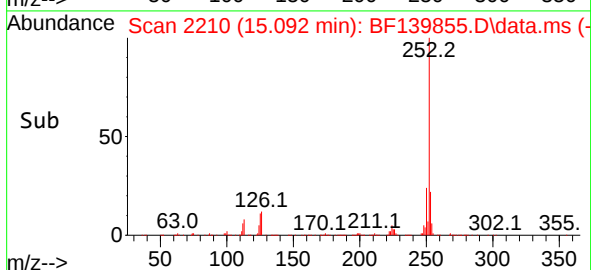
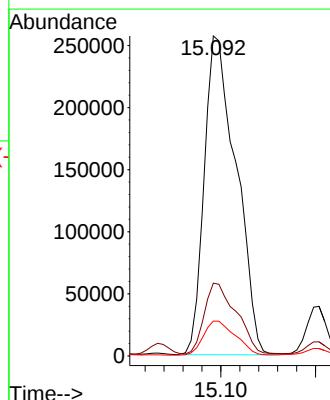
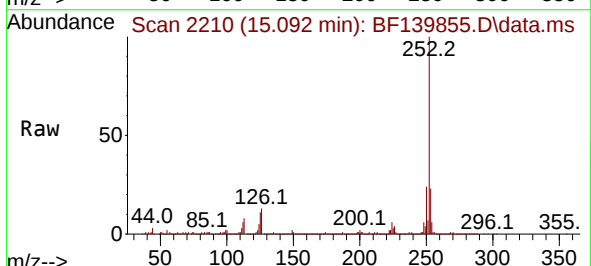
Tgt Ion:252 Resp: 600343

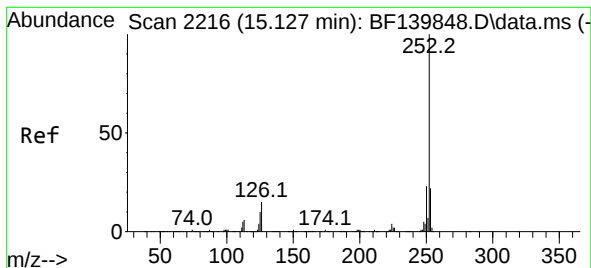
Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

125 10.9 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 45.861 ng

RT: 15.092 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF139855.D

Acq: 18 Oct 2024 15:50

Instrument :

BNA_F

ClientSampleId :

72-11934

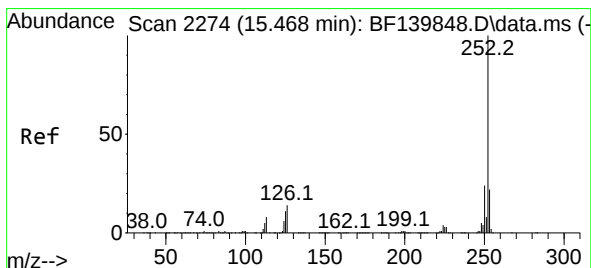
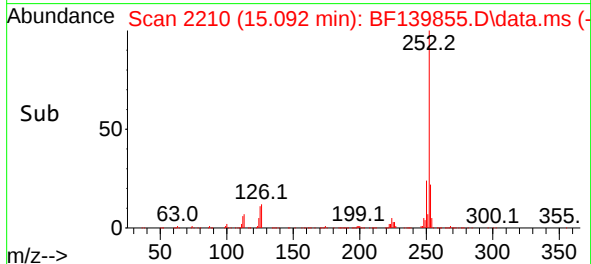
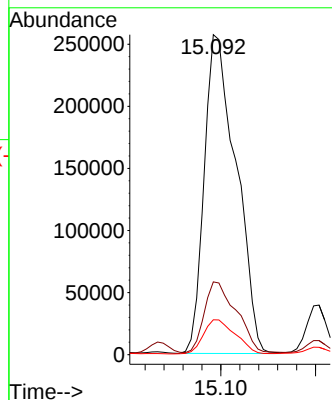
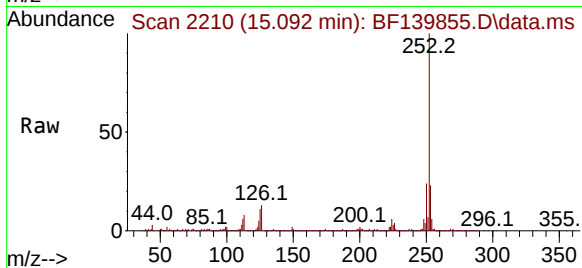
Tgt Ion:252 Resp: 600343

Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

125 10.9 7.9 11.9



#90

Benzo(a)pyrene

Concen: 22.243 ng

RT: 15.463 min Scan# 2273

Delta R.T. -0.006 min

Lab File: BF139855.D

Acq: 18 Oct 2024 15:50

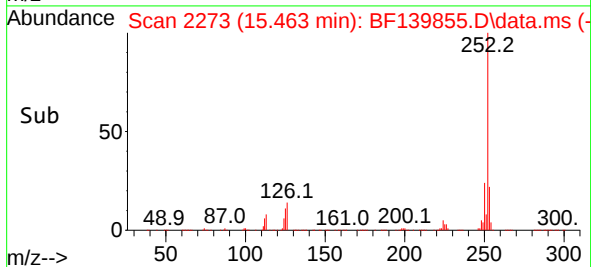
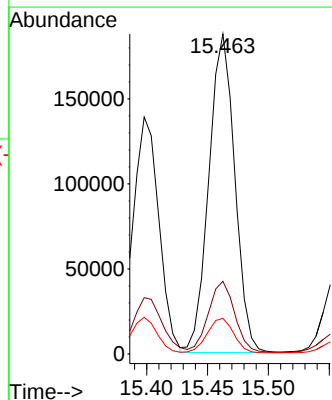
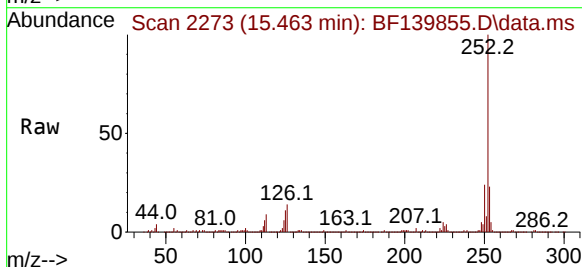
Tgt Ion:252 Resp: 277809

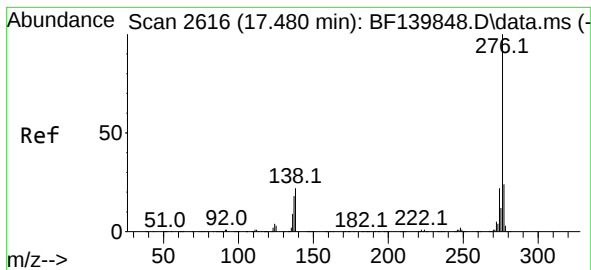
Ion Ratio Lower Upper

252 100

253 22.7 17.3 25.9

125 11.1 8.7 13.1





#92

Benzo(g,h,i)perylene

Concen: 12.691 ng

RT: 17.462 min Scan# 20

Delta R.T. -0.017 min

Lab File: BF139855.D

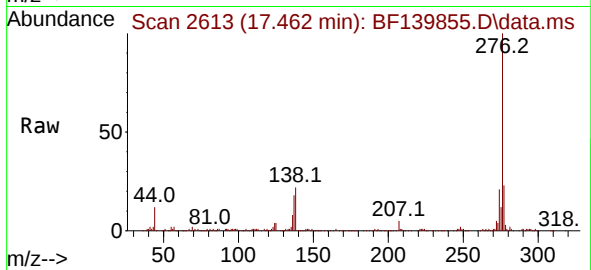
Acq: 18 Oct 2024 15:50

Instrument :

BNA_F

ClientSampleId :

72-11934



Tgt Ion:276 Resp: 169517

Ion Ratio Lower Upper

276 100

277 23.2 19.0 28.6

138 21.7 17.4 26.0

