

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080224\
 Data File : BF138751.D
 Acq On : 02 Aug 2024 17:14
 Operator : RC/JU
 Sample : P3417-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-06-073124

Quant Time: Aug 02 17:39:38 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

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

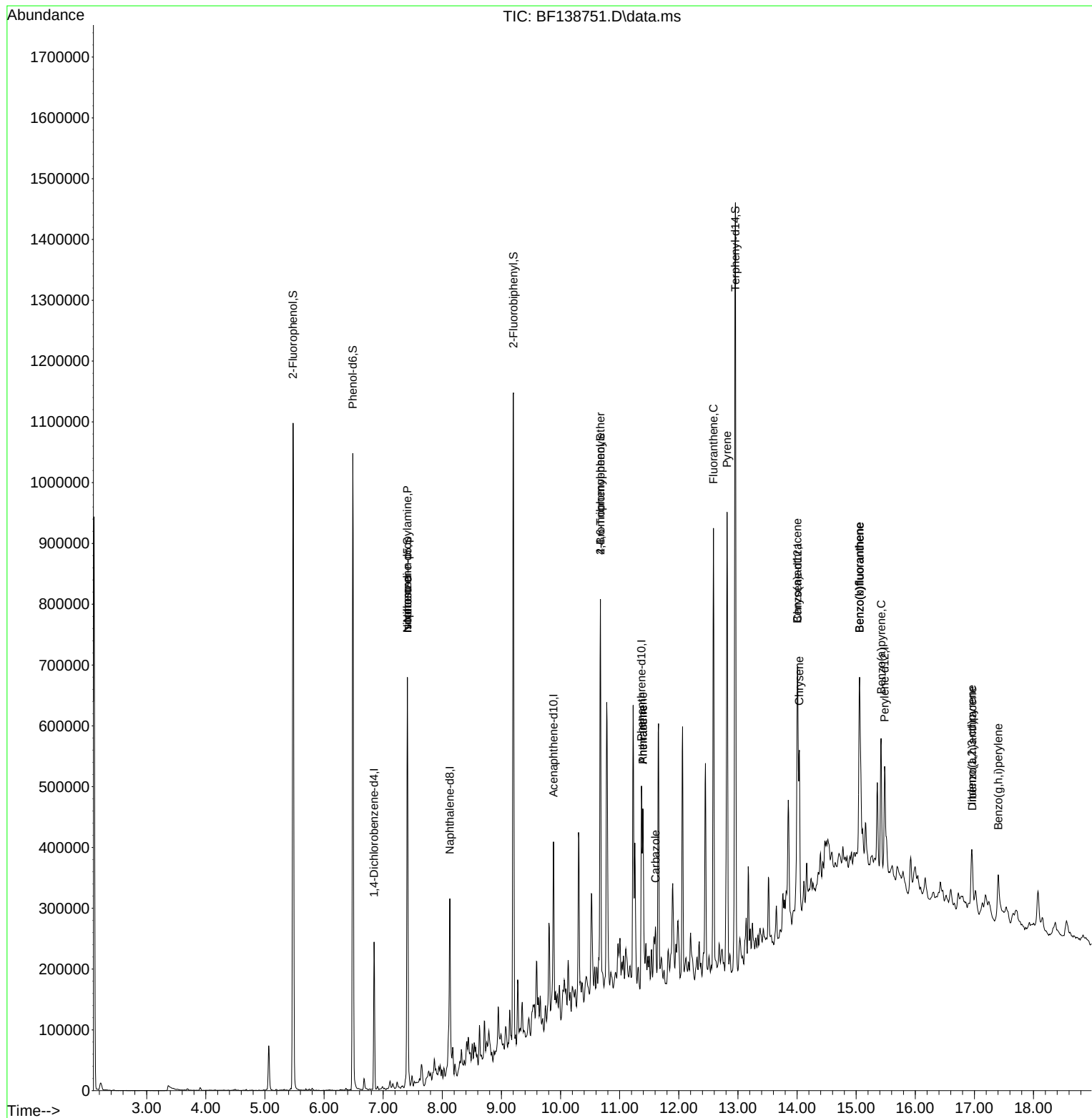
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	45805	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	156727	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	78183	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	153599	20.000	ng	0.00
76) Chrysene-d12	14.010	240	92068	20.000	ng	0.00
86) Perylene-d12	15.480	264	81484	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	375288	126.474	ng	0.00
7) Phenol-d6	6.487	99	457780	114.907	ng	0.00
23) Nitrobenzene-d5	7.410	82	277630	86.607	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	93198	145.526	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	461602	88.709	ng	0.00
79) Terphenyl-d14	12.957	244	598912	108.913	ng	0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.410	70	39773	16.529	ng	# 73
25) Isophorone	7.410	82	274697	50.185	ng	# 66
67) 4-Bromophenyl-phenylether	10.675	248	7062	4.247	ng	# 1
71) Phenanthrene	11.392	178	133684	16.902	ng	99
72) Anthracene	11.392	178	133684	17.157	ng	98
73) Carbazole	11.604	167	14413	2.144	ng	# 86
75) Fluoranthene	12.586	202	385838	52.256	ng	99
78) Pyrene	12.816	202	324435	37.427	ng	98
81) Benzo(a)anthracene	14.004	228	159618	25.176	ng	96
83) Chrysene	14.039	228	133162	23.280	ng	96
87) Indeno(1,2,3-cd)pyrene	16.957	276	68419	11.717	ng	# 91
88) Benzo(b)fluoranthene	15.057	252	242497	48.008	ng	97
89) Benzo(k)fluoranthene	15.057	252	242497	55.448	ng	# 97
90) Benzo(a)pyrene	15.421	252	120456	28.351	ng	96
91) Dibenzo(a,h)anthracene	16.962	278	15049	3.140	ng	# 79
92) Benzo(g,h,i)perylene	17.404	276	67135	13.497	ng	98

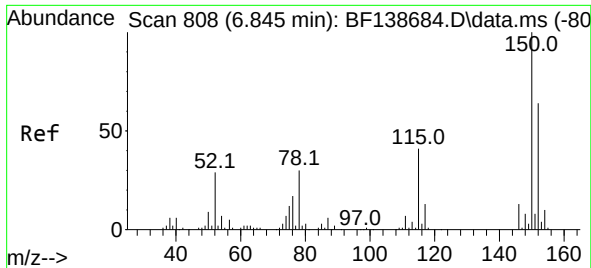
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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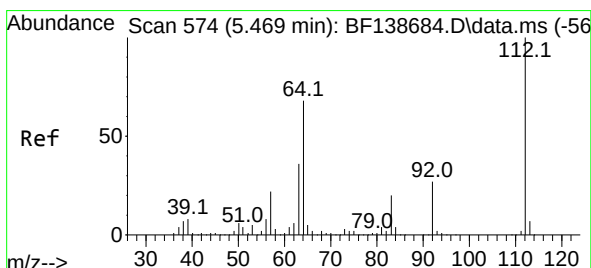
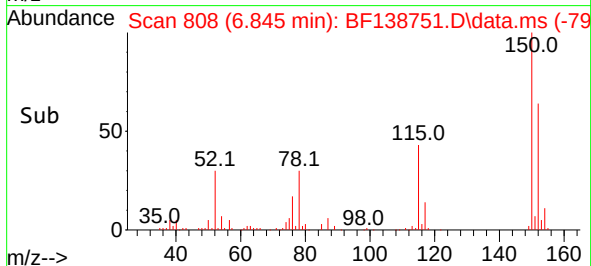
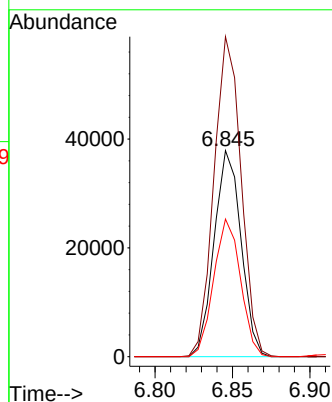
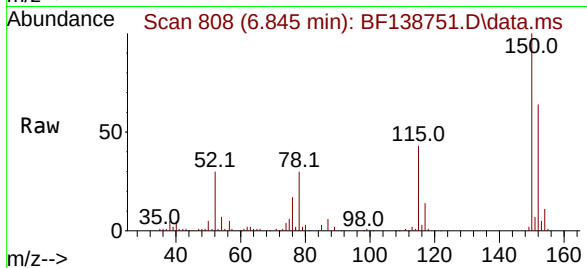




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.845 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: BF138751.D
 Acq: 02 Aug 2024 17:14

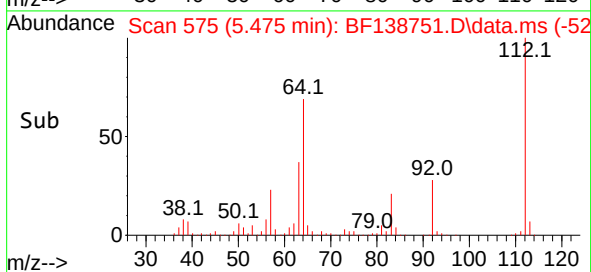
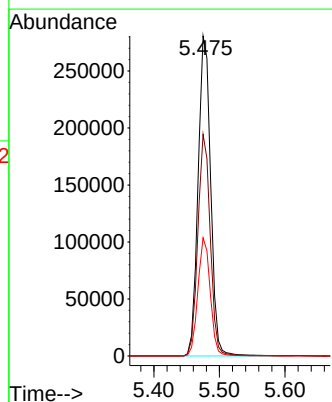
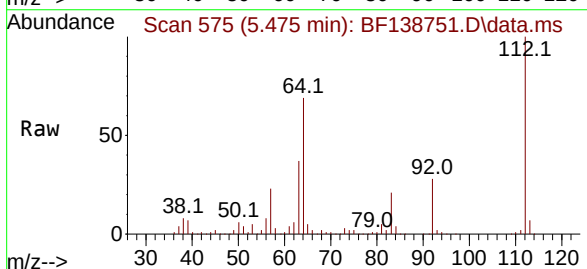
Instrument :
 BNA_F
 ClientSampleId :
 TR-06-073124

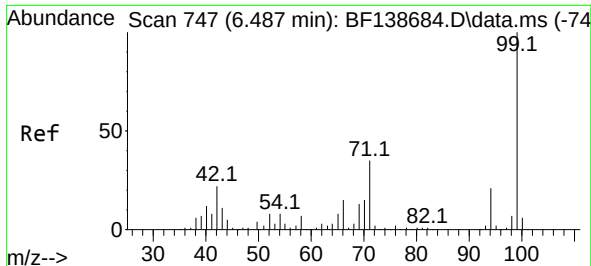
Tgt Ion:152 Resp: 45805
 Ion Ratio Lower Upper
 152 100
 150 155.3 126.0 189.0
 115 66.8 51.7 77.5



#5
 2-Fluorophenol
 Concen: 126.474 ng
 RT: 5.475 min Scan# 575
 Delta R.T. 0.006 min
 Lab File: BF138751.D
 Acq: 02 Aug 2024 17:14

Tgt Ion:112 Resp: 375288
 Ion Ratio Lower Upper
 112 100
 64 69.3 54.2 81.4
 63 36.9 28.7 43.1

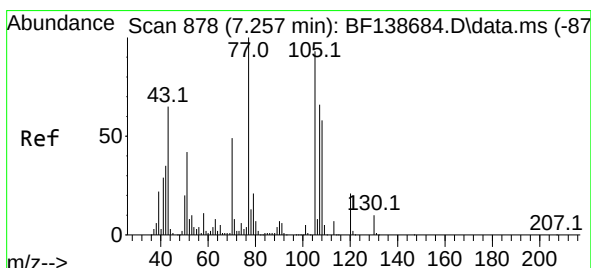
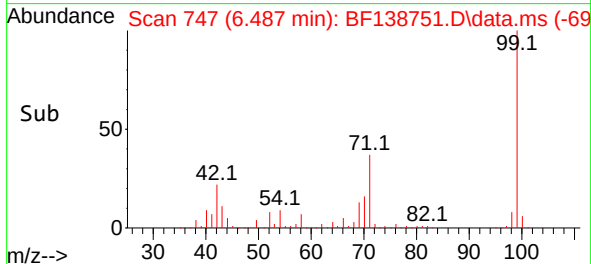
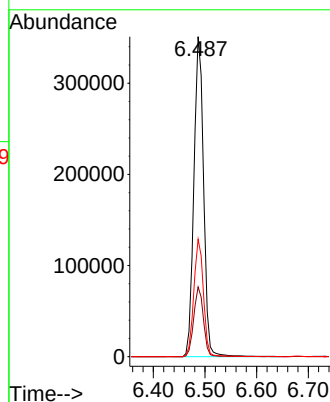
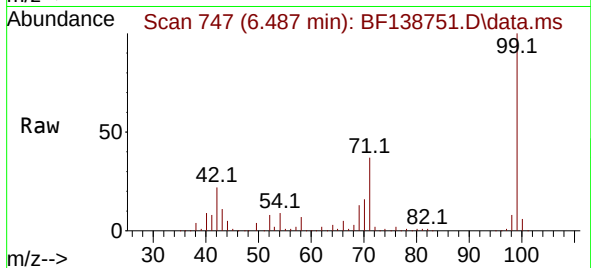




#7
Phenol-d6
Concen: 114.907 ng
RT: 6.487 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF138751.D
Acq: 02 Aug 2024 17:14

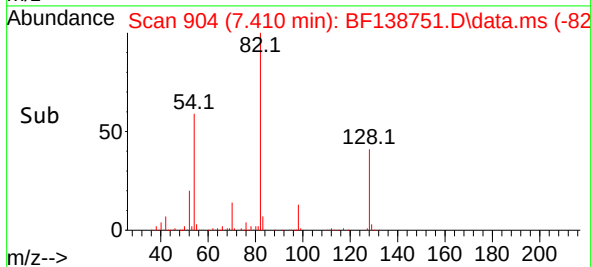
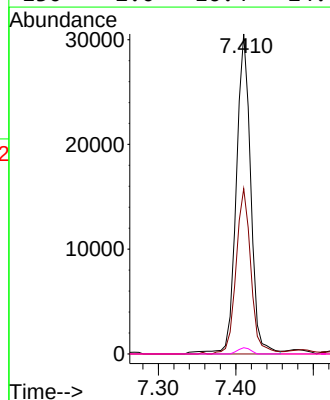
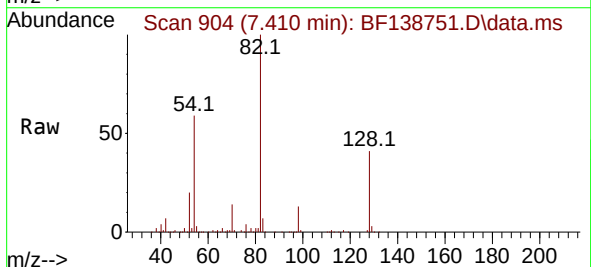
Instrument :
BNA_F
ClientSampleId :
TR-06-073124

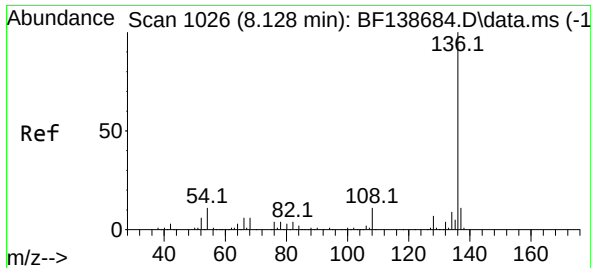
Tgt Ion: 99 Resp: 457780
Ion Ratio Lower Upper
99 100
42 21.8 17.4 26.0
71 36.7 28.1 42.1



#19
n-Nitroso-di-n-propylamine
Concen: 16.529 ng
RT: 7.410 min Scan# 904
Delta R.T. 0.153 min
Lab File: BF138751.D
Acq: 02 Aug 2024 17:14

Tgt Ion: 70 Resp: 39773
Ion Ratio Lower Upper
70 100
42 51.6 57.4 86.0#
101 0.0 7.5 11.3#
130 2.0 16.4 24.6#

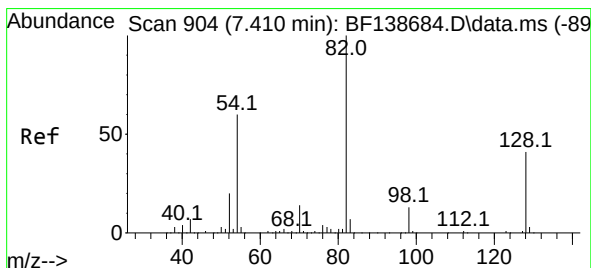
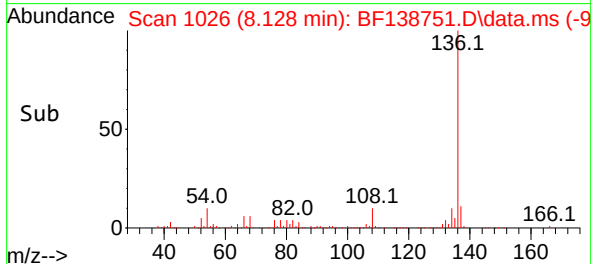
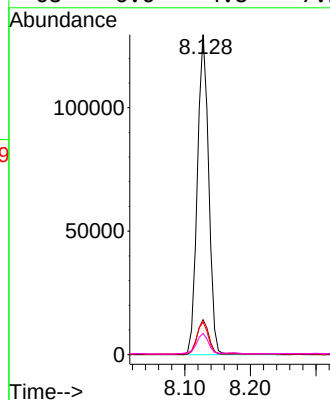
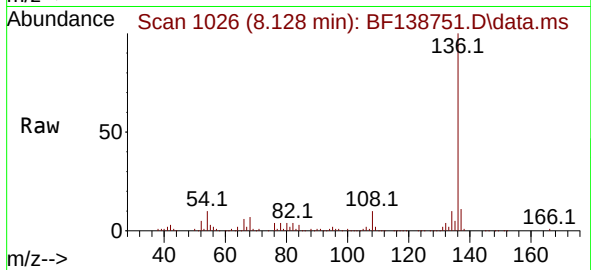




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF138751.D
Acq: 02 Aug 2024 17:14

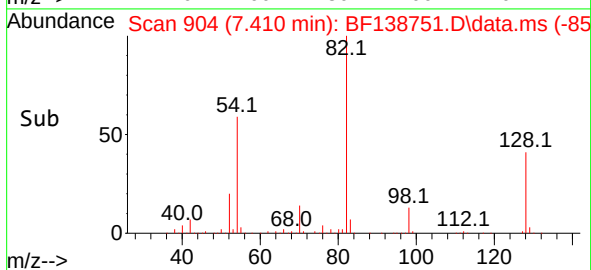
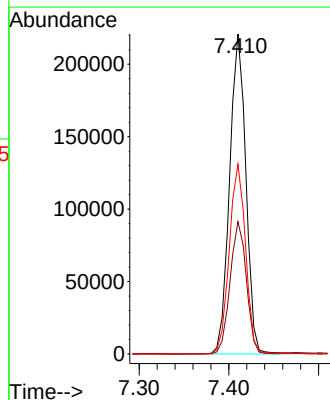
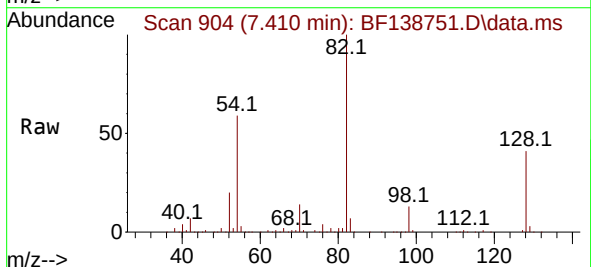
Instrument :
BNA_F
ClientSampleId :
TR-06-073124

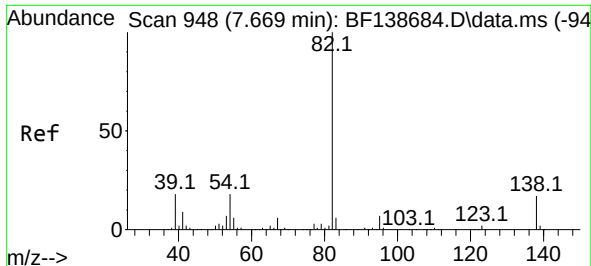
Tgt Ion:	136	Resp:	156727
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	10.2	8.6	12.8
68	6.6	4.8	7.2



#23
Nitrobenzene-d5
Concen: 86.607 ng
RT: 7.410 min Scan# 904
Delta R.T. 0.000 min
Lab File: BF138751.D
Acq: 02 Aug 2024 17:14

Tgt Ion:	82	Resp:	277630
Ion	Ratio	Lower	Upper
82	100		
128	41.4	32.8	49.2
54	59.3	48.3	72.5

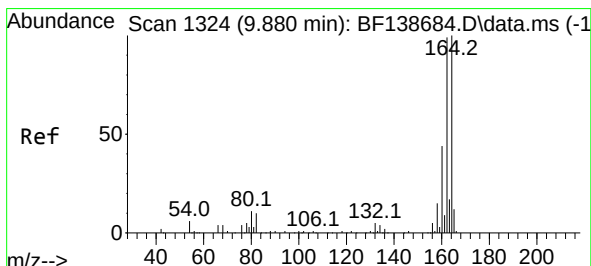
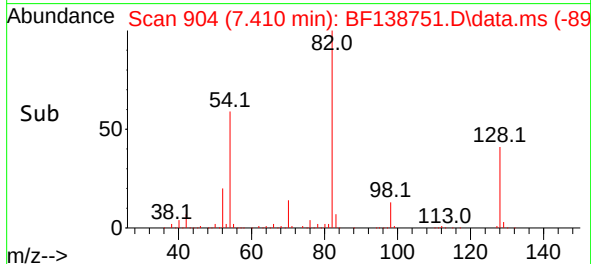
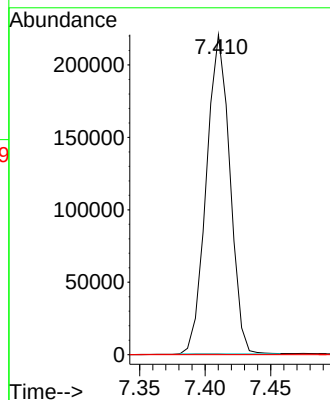
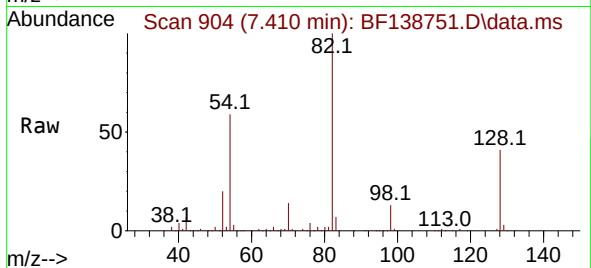




#25
Isophorone
Concen: 50.185 ng
RT: 7.410 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF138751.D
Acq: 02 Aug 2024 17:14

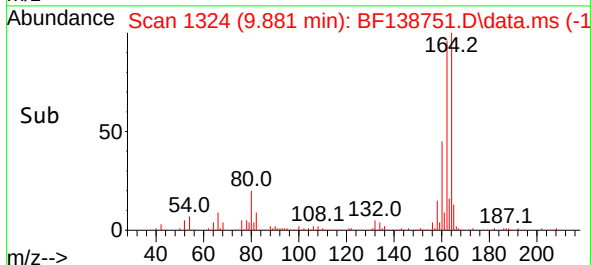
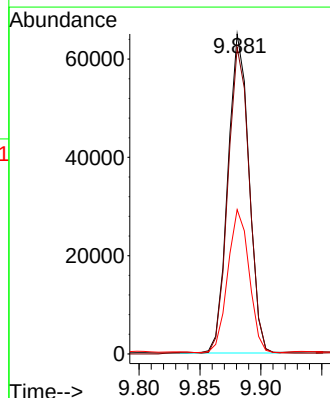
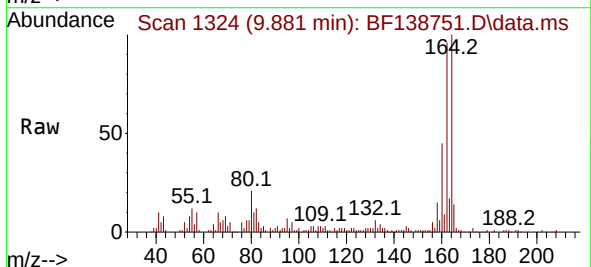
Instrument :
BNA_F
ClientSampleId :
TR-06-073124

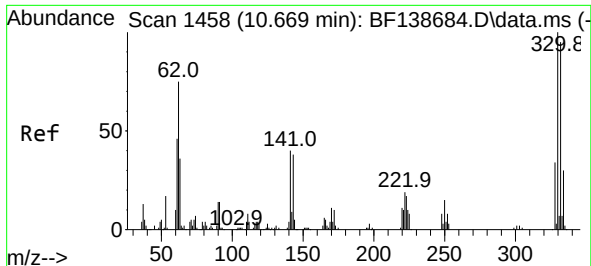
Tgt Ion: 82 Resp: 274697
Ion Ratio Lower Upper
82 100
95 0.1 5.7 8.5#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1324
Delta R.T. 0.001 min
Lab File: BF138751.D
Acq: 02 Aug 2024 17:14

Tgt Ion: 164 Resp: 78183
Ion Ratio Lower Upper
164 100
162 95.8 79.4 119.0
160 45.1 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 145.526 ng

RT: 10.675 min Scan# 1458

Delta R.T. 0.006 min

Lab File: BF138751.D

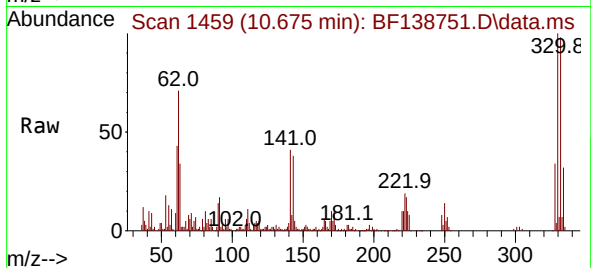
Acq: 02 Aug 2024 17:14

Instrument :

BNA_F

ClientSampleId :

TR-06-073124



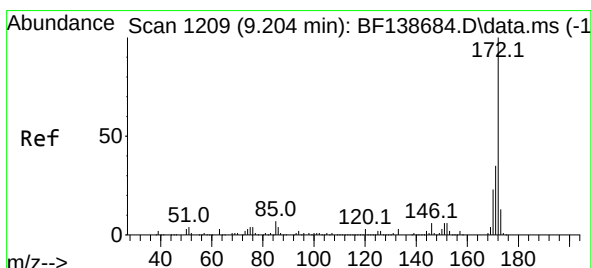
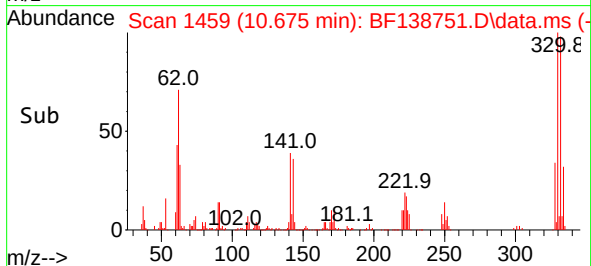
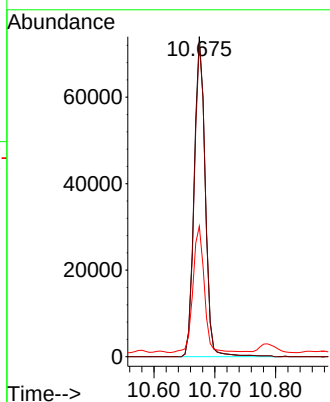
Tgt Ion:330 Resp: 93198

Ion Ratio Lower Upper

330 100

332 97.7 76.4 114.6

141 40.6 31.1 46.7



#45

2-Fluorobiphenyl

Concen: 88.709 ng

RT: 9.204 min Scan# 1209

Delta R.T. 0.000 min

Lab File: BF138751.D

Acq: 02 Aug 2024 17:14

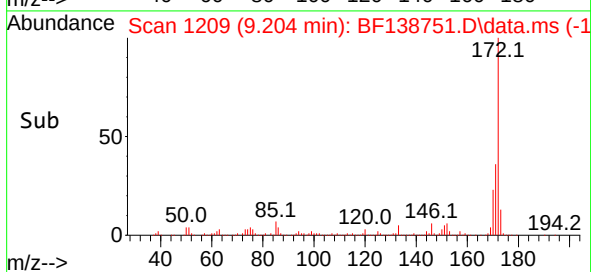
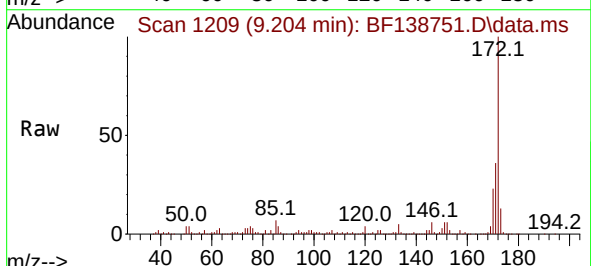
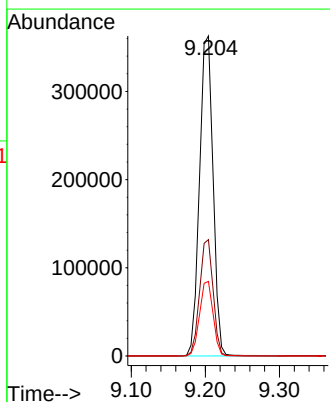
Tgt Ion:172 Resp: 461602

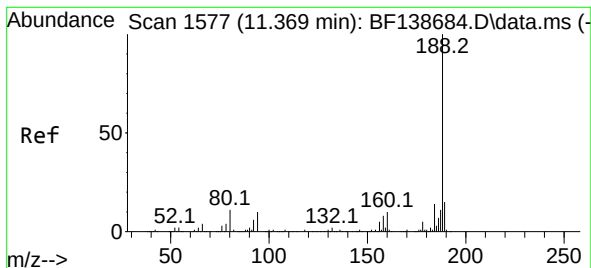
Ion Ratio Lower Upper

172 100

171 36.3 28.3 42.5

170 23.3 18.8 28.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.369 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF138751.D

Acq: 02 Aug 2024 17:14

Instrument :

BNA_F

ClientSampleId :

TR-06-073124

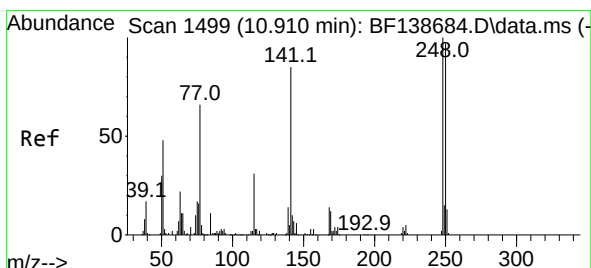
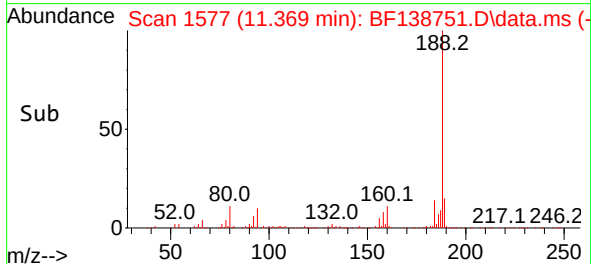
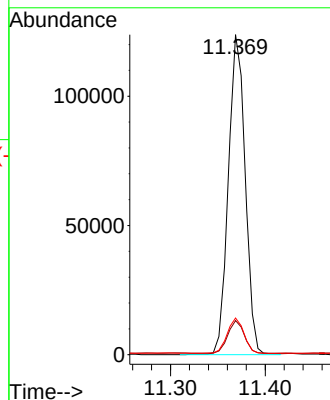
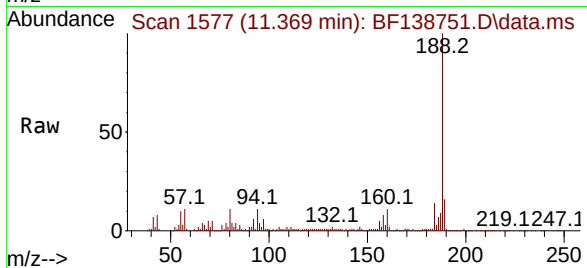
Tgt Ion:188 Resp: 153599

Ion Ratio Lower Upper

188 100

94 10.6 7.6 11.4

80 11.5 8.6 12.8



#67

4-Bromophenyl-phenylether

Concen: 4.247 ng

RT: 10.675 min Scan# 1459

Delta R.T. -0.235 min

Lab File: BF138751.D

Acq: 02 Aug 2024 17:14

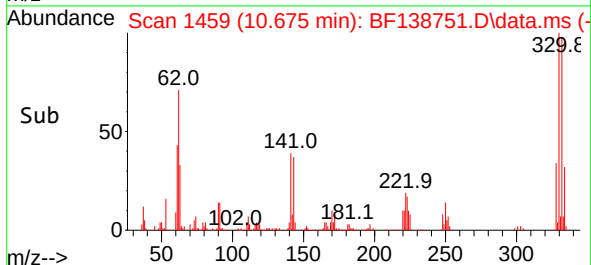
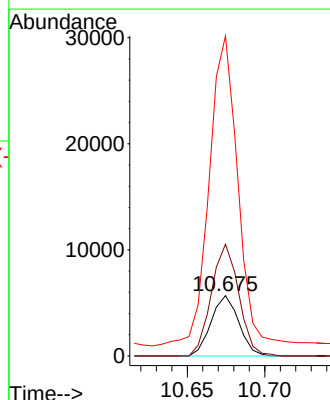
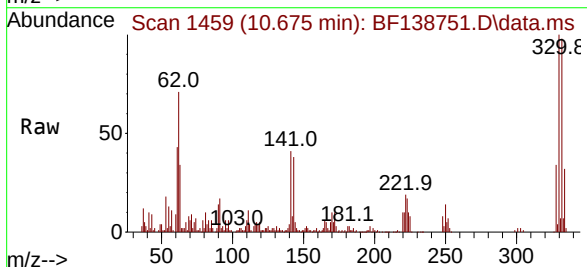
Tgt Ion:248 Resp: 7062

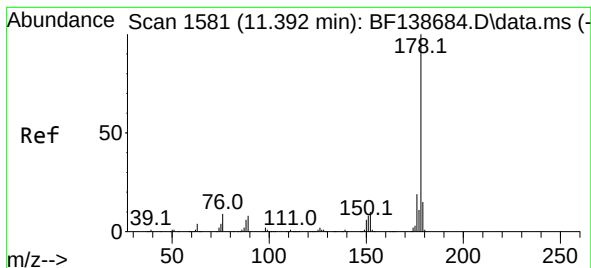
Ion Ratio Lower Upper

248 100

250 185.3 77.7 116.5#

141 530.3 68.0 102.0#





#71

Phenanthrene

Concen: 16.902 ng

RT: 11.392 min Scan# 1581

Delta R.T. 0.000 min

Lab File: BF138751.D

Acq: 02 Aug 2024 17:14

Instrument :

BNA_F

ClientSampleId :

TR-06-073124

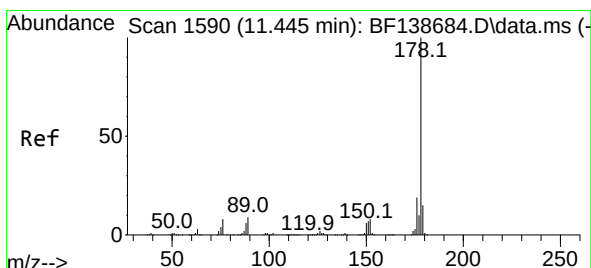
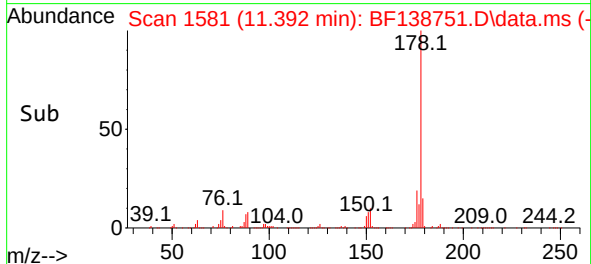
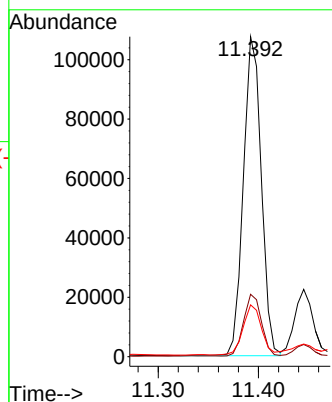
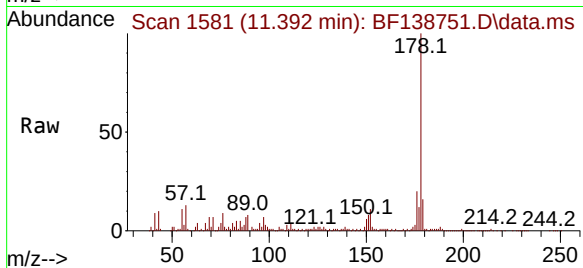
Tgt Ion:178 Resp: 133684

Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.0

179 16.2 12.2 18.2



#72

Anthracene

Concen: 17.157 ng

RT: 11.392 min Scan# 1581

Delta R.T. -0.053 min

Lab File: BF138751.D

Acq: 02 Aug 2024 17:14

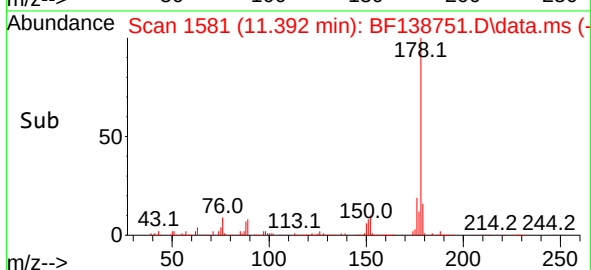
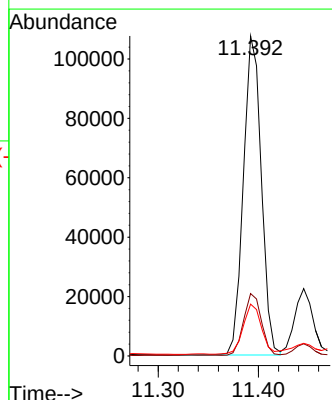
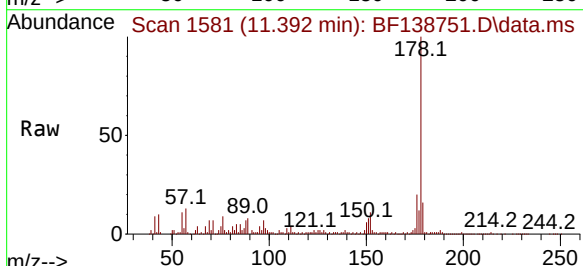
Tgt Ion:178 Resp: 133684

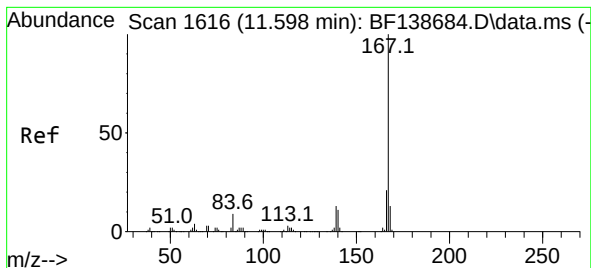
Ion Ratio Lower Upper

178 100

176 19.5 14.9 22.3

179 16.2 12.4 18.6





#73

Carbazole

Concen: 2.144 ng

RT: 11.604 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF138751.D

Acq: 02 Aug 2024 17:14

Instrument :

BNA_F

ClientSampleId :

TR-06-073124

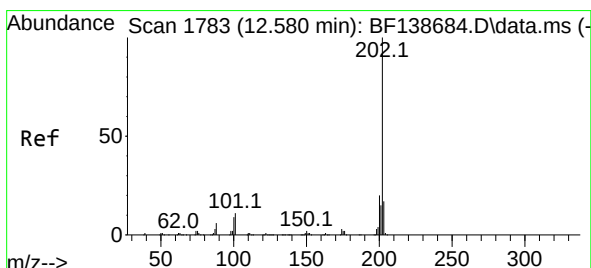
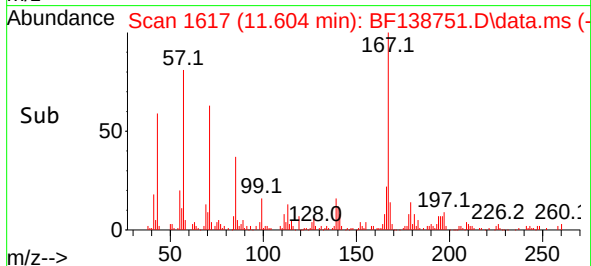
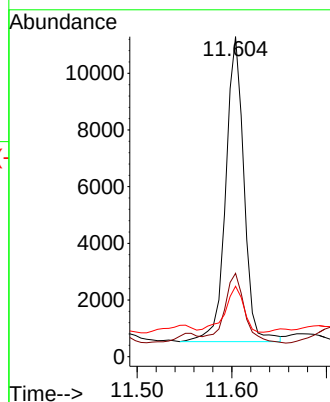
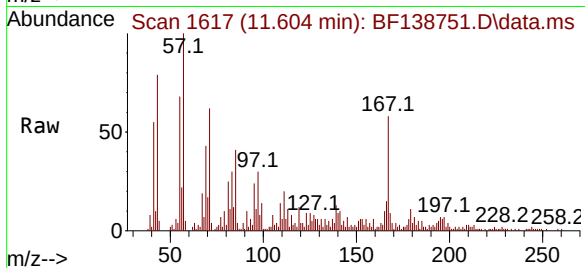
Tgt Ion:167 Resp: 14413

Ion Ratio Lower Upper

167 100

166 26.0 17.2 25.8#

139 22.0 10.6 16.0#



#75

Fluoranthene

Concen: 52.256 ng

RT: 12.586 min Scan# 1784

Delta R.T. 0.006 min

Lab File: BF138751.D

Acq: 02 Aug 2024 17:14

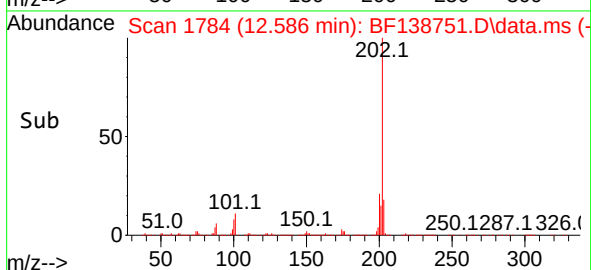
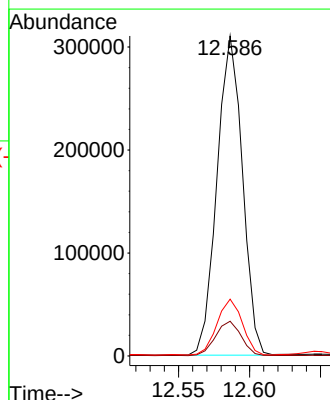
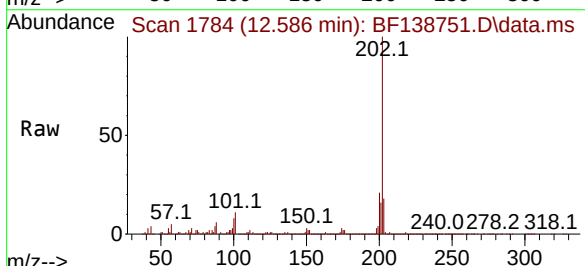
Tgt Ion:202 Resp: 385838

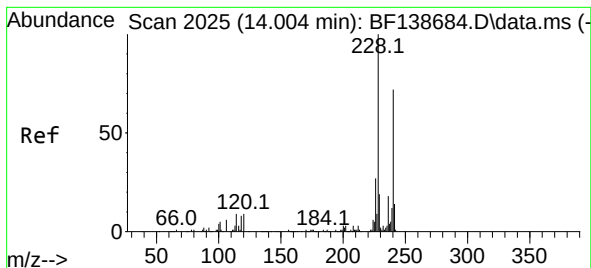
Ion Ratio Lower Upper

202 100

101 10.9 0.0 31.2

203 17.7 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2025

Delta R.T. 0.006 min

Lab File: BF138751.D

Acq: 02 Aug 2024 17:14

Instrument :

BNA_F

ClientSampleId :

TR-06-073124

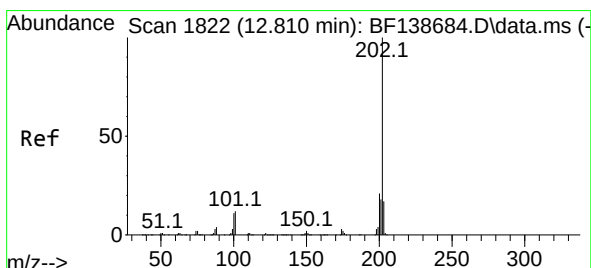
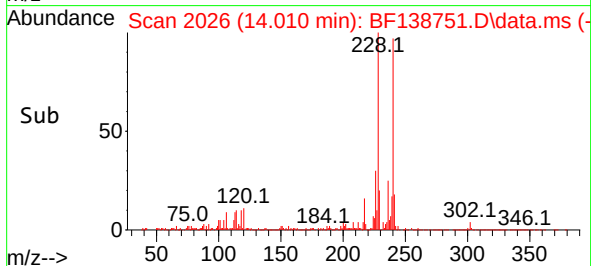
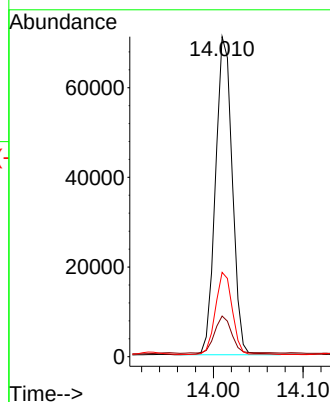
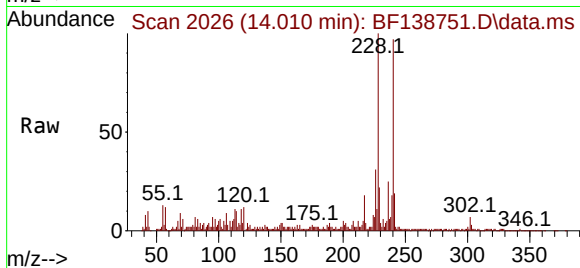
Tgt Ion:240 Resp: 92068

Ion Ratio Lower Upper

240 100

120 12.7 10.2 15.4

236 26.4 19.8 29.8



#78

Pyrene

Concen: 37.427 ng

RT: 12.816 min Scan# 1823

Delta R.T. 0.006 min

Lab File: BF138751.D

Acq: 02 Aug 2024 17:14

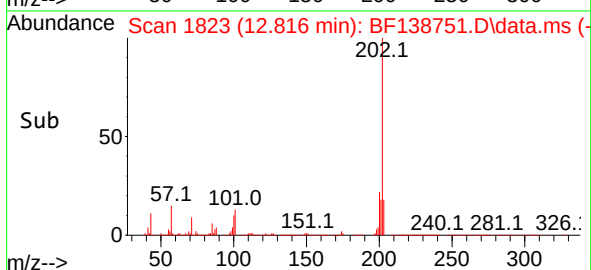
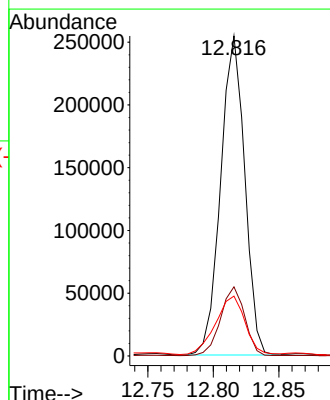
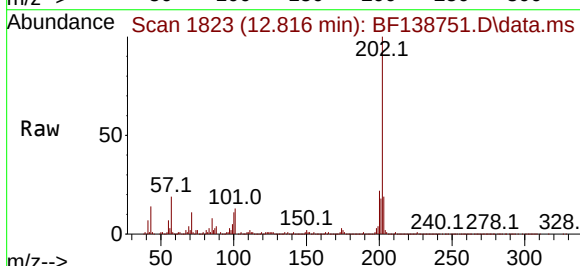
Tgt Ion:202 Resp: 324435

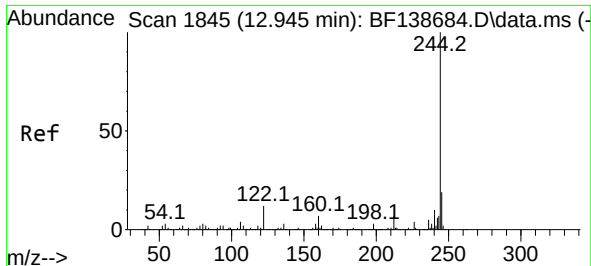
Ion Ratio Lower Upper

202 100

200 21.6 16.8 25.2

203 18.7 13.8 20.6

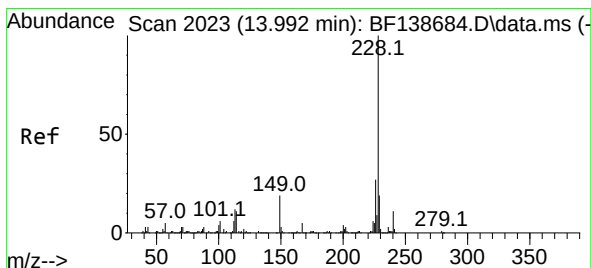
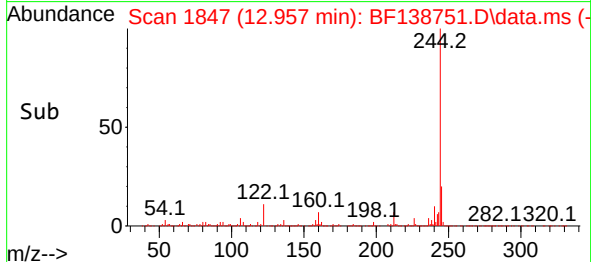
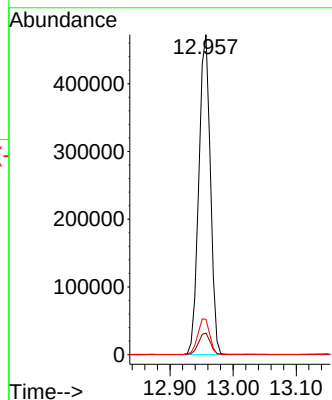
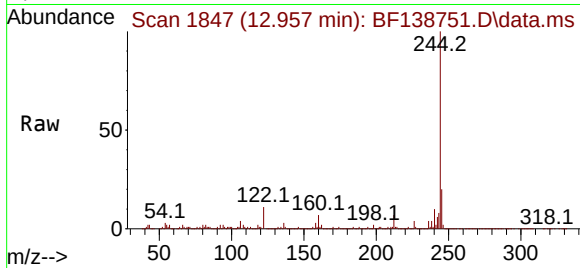




#79
 Terphenyl-d14
 Concen: 108.913 ng
 RT: 12.957 min Scan# 11
 Delta R.T. 0.012 min
 Lab File: BF138751.D
 Acq: 02 Aug 2024 17:14

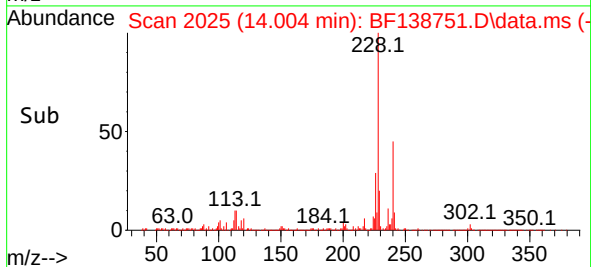
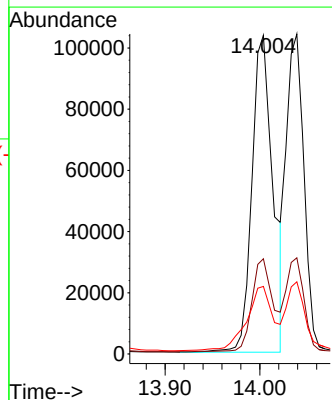
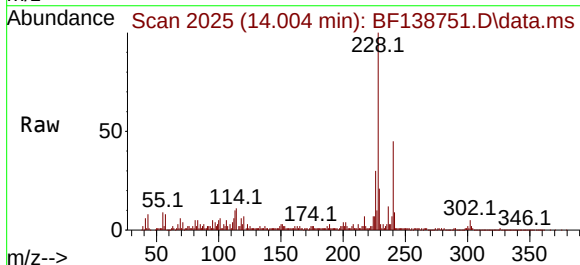
Instrument :
 BNA_F
 ClientSampleId :
 TR-06-073124

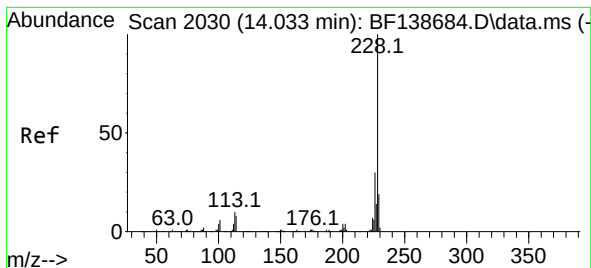
Tgt Ion:244 Resp: 598912
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.2
 122 11.1 9.6 14.4



#81
 Benzo(a)anthracene
 Concen: 25.176 ng
 RT: 14.004 min Scan# 2025
 Delta R.T. 0.012 min
 Lab File: BF138751.D
 Acq: 02 Aug 2024 17:14

Tgt Ion:228 Resp: 159618
 Ion Ratio Lower Upper
 228 100
 226 29.9 22.1 33.1
 229 21.2 15.4 23.0





#83

Chrysene

Concen: 23.280 ng

RT: 14.039 min Scan# 2030

Delta R.T. 0.006 min

Lab File: BF138751.D

Acq: 02 Aug 2024 17:14

Instrument :

BNA_F

ClientSampleId :

TR-06-073124

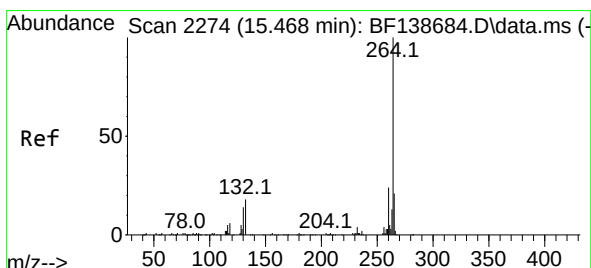
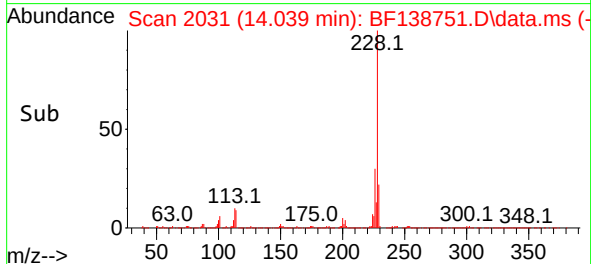
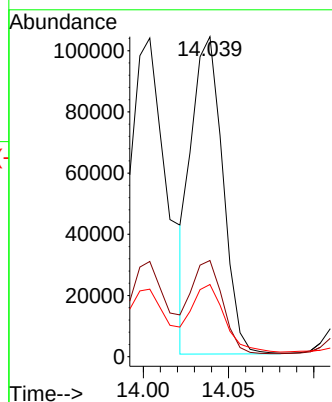
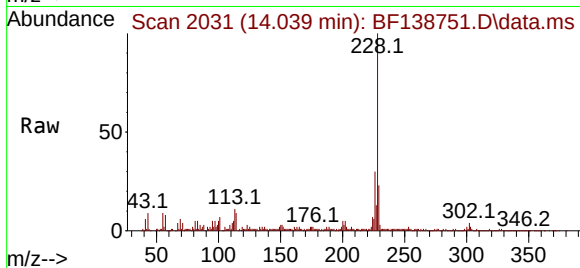
Tgt Ion:228 Resp: 133162

Ion Ratio Lower Upper

228 100

226 30.1 23.7 35.5

229 22.6 15.0 22.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.480 min Scan# 2276

Delta R.T. 0.012 min

Lab File: BF138751.D

Acq: 02 Aug 2024 17:14

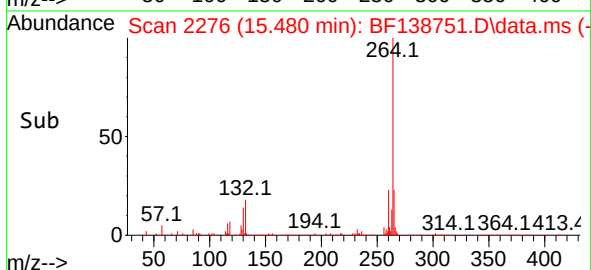
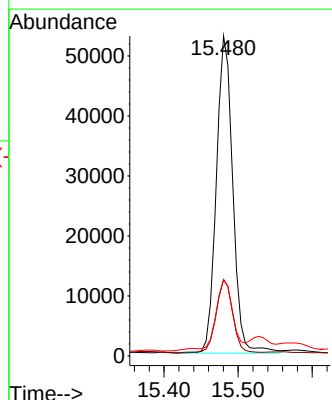
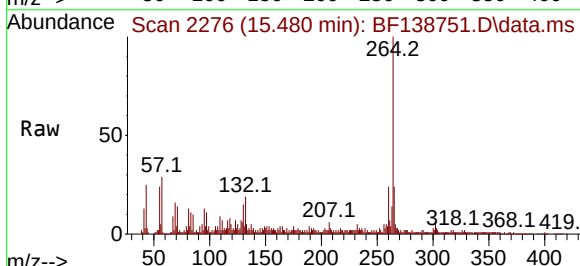
Tgt Ion:264 Resp: 81484

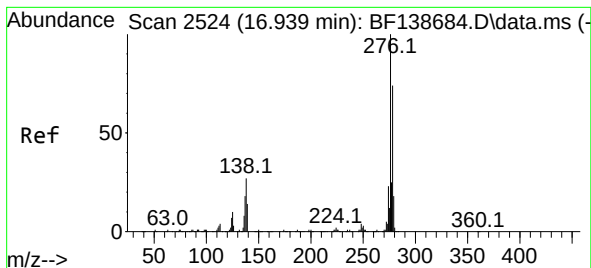
Ion Ratio Lower Upper

264 100

260 23.8 19.0 28.6

265 24.0 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 11.717 ng

RT: 16.957 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF138751.D

Acq: 02 Aug 2024 17:14

Instrument :

BNA_F

ClientSampleId :

TR-06-073124

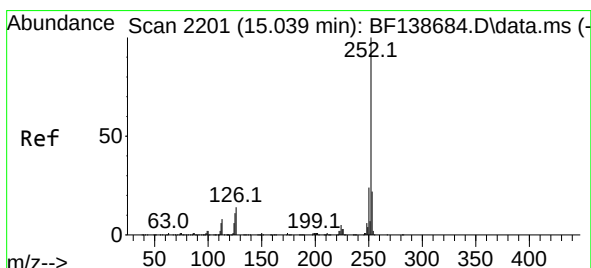
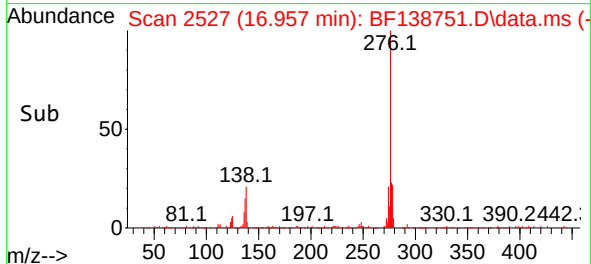
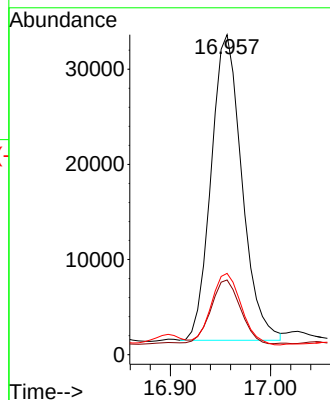
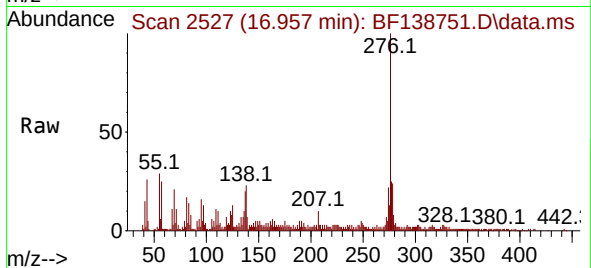
Tgt Ion:276 Resp: 68419

Ion Ratio Lower Upper

276 100

138 20.5 21.8 32.8#

277 23.4 20.6 30.8



#88

Benzo(b)fluoranthene

Concen: 48.008 ng

RT: 15.057 min Scan# 2204

Delta R.T. 0.018 min

Lab File: BF138751.D

Acq: 02 Aug 2024 17:14

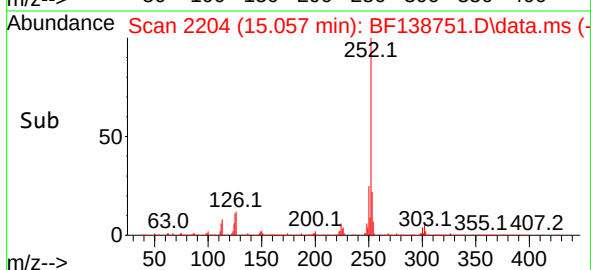
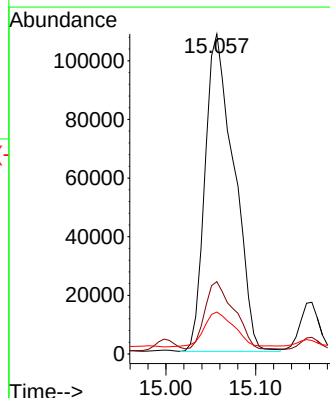
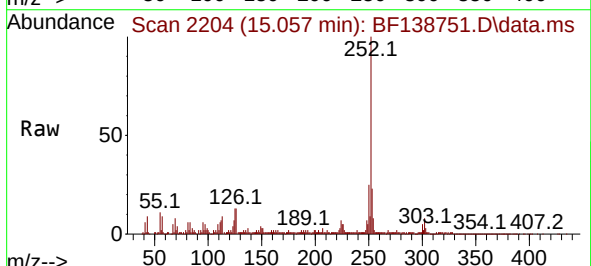
Tgt Ion:252 Resp: 242497

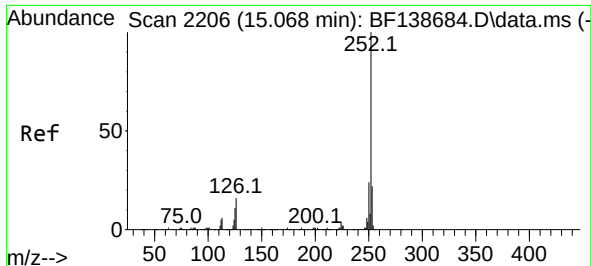
Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

125 13.1 8.9 13.3

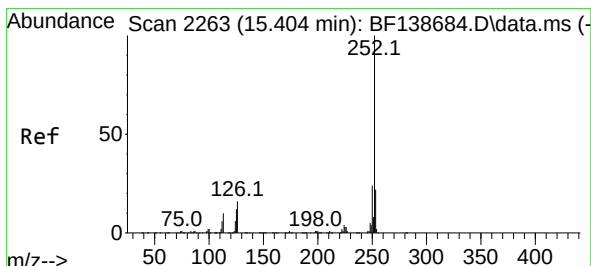
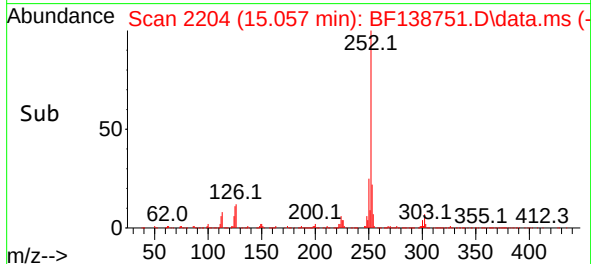
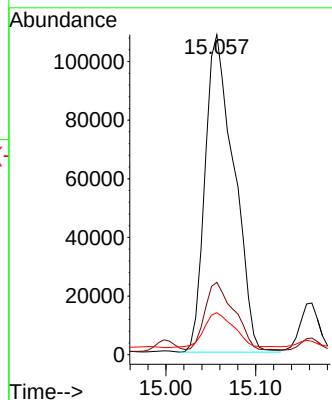
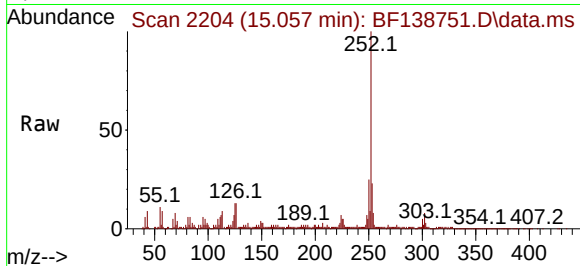




#89
Benzo(k)fluoranthene
Concen: 55.448 ng
RT: 15.057 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF138751.D
Acq: 02 Aug 2024 17:14

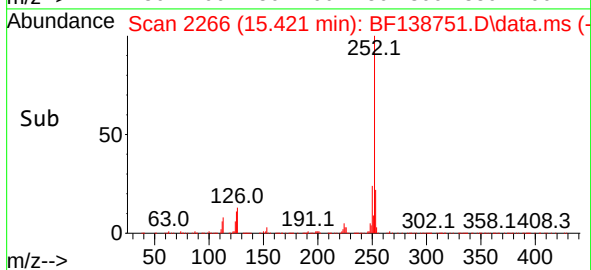
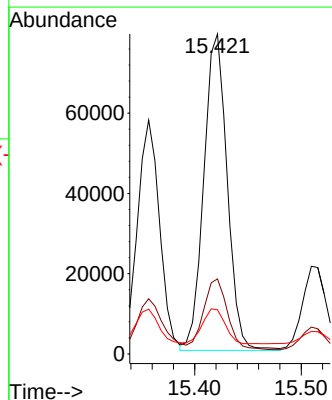
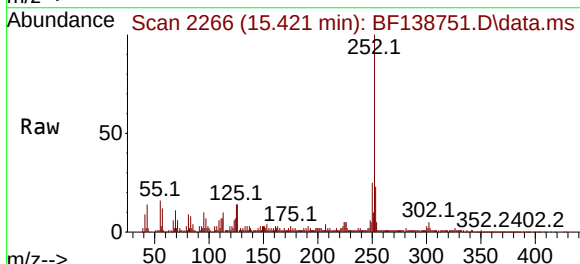
Instrument :
BNA_F
ClientSampleId :
TR-06-073124

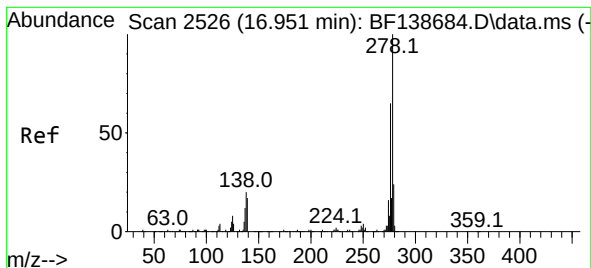
Tgt Ion:252 Resp: 242497
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.0
125 13.1 8.6 13.0#



#90
Benzo(a)pyrene
Concen: 28.351 ng
RT: 15.421 min Scan# 2266
Delta R.T. 0.018 min
Lab File: BF138751.D
Acq: 02 Aug 2024 17:14

Tgt Ion:252 Resp: 120456
Ion Ratio Lower Upper
252 100
253 23.4 17.3 25.9
125 13.8 9.5 14.3





#91

Dibenzo(a,h)anthracene

Concen: 3.140 ng

RT: 16.962 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF138751.D

Acq: 02 Aug 2024 17:14

Instrument :

BNA_F

ClientSampleId :

TR-06-073124

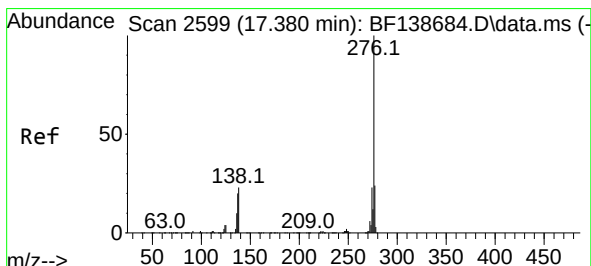
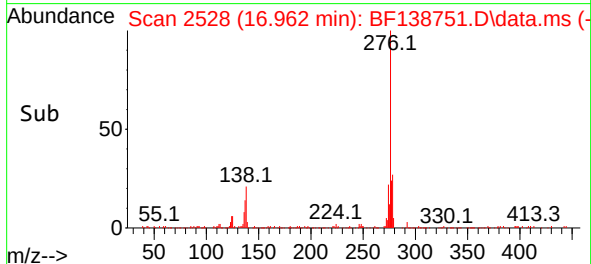
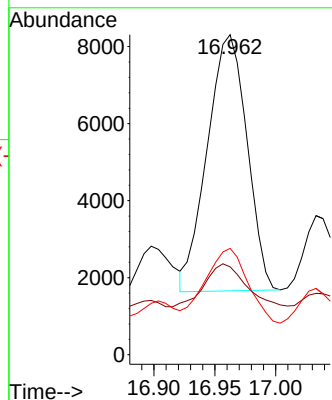
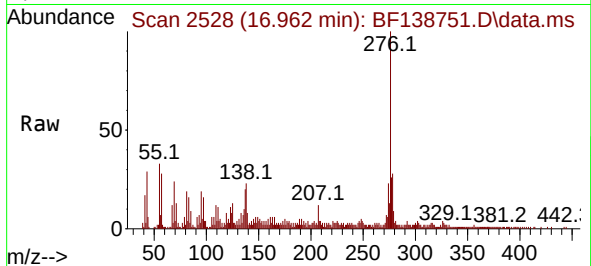
Tgt Ion:278 Resp: 15049

Ion Ratio Lower Upper

278 100

139 27.5 14.0 21.0#

279 33.2 19.0 28.4#



#92

Benzo(g,h,i)perylene

Concen: 13.497 ng

RT: 17.404 min Scan# 2603

Delta R.T. 0.024 min

Lab File: BF138751.D

Acq: 02 Aug 2024 17:14

Tgt Ion:276 Resp: 67135

Ion Ratio Lower Upper

276 100

277 25.6 19.0 28.4

138 23.4 18.5 27.7

