

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
 Data File : BF138788.D
 Acq On : 05 Aug 2024 16:28
 Operator : RC/JU
 Sample : P3463-01 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-082024

Quant Time: Aug 05 16:57:23 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)

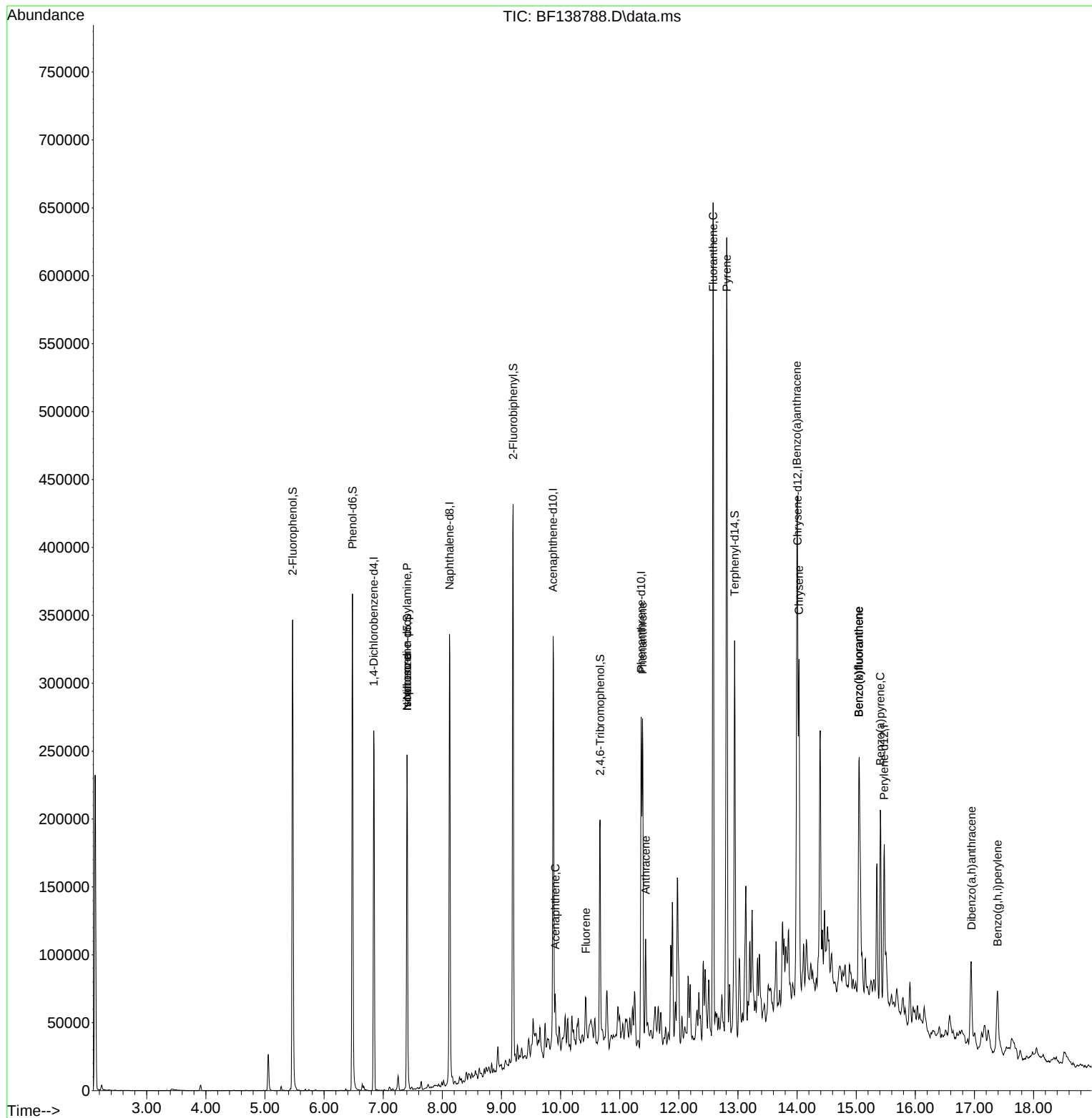
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	51115	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	197244	20.000	ng	0.00
39) Acenaphthene-d10	9.874	164	87662	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	117148	20.000	ng	0.00
76) Chrysene-d12	14.010	240	76699	20.000	ng	0.00
86) Perylene-d12	15.474	264	59234	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	118814	35.881	ng	0.00
7) Phenol-d6	6.481	99	158754	35.709	ng	0.00
23) Nitrobenzene-d5	7.404	82	102461	25.397	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	23091	32.157	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	174280	29.871	ng	0.00
79) Terphenyl-d14	12.945	244	125170	27.323	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.404	70	14005	5.216	ng	# 78
25) Isophorone	7.404	82	102460	14.873	ng	# 66
52) Acenaphthene	9.910	154	10166	2.088	ng	99
58) Fluorene	10.427	166	12201	2.230	ng	# 92
71) Phenanthrene	11.386	178	117729	19.517	ng	99
72) Anthracene	11.439	178	40983	6.897	ng	97
75) Fluoranthene	12.580	202	330348	58.662	ng	98
78) Pyrene	12.810	202	322453	44.652	ng	99
81) Benzo(a)anthracene	13.998	228	150733	28.539	ng	97
83) Chrysene	14.033	228	120857	25.363	ng	97
88) Benzo(b)fluoranthene	15.045	252	150855	41.083	ng	99
89) Benzo(k)fluoranthene	15.045	252	150855	47.450	ng	99
90) Benzo(a)pyrene	15.409	252	80213	25.971	ng	98
91) Dibenzo(a,h)anthracene	16.951	278	11548	3.314	ng	# 90
92) Benzo(g,h,i)perylene	17.392	276	42069	11.634	ng	96

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

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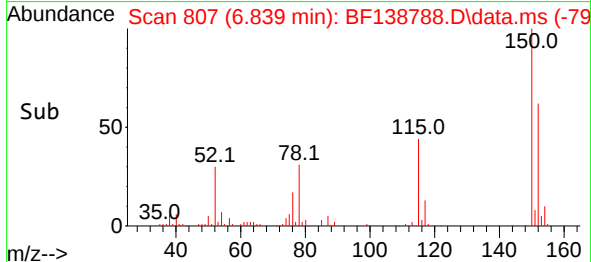
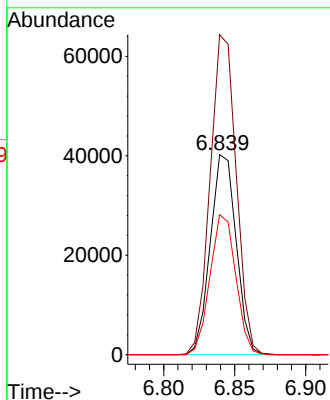
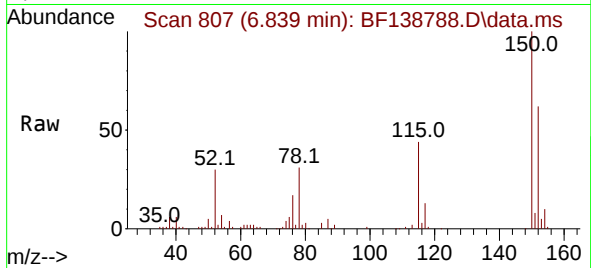




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF138788.D
Acq: 05 Aug 2024 16:28

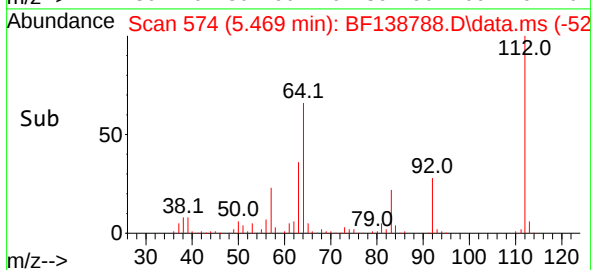
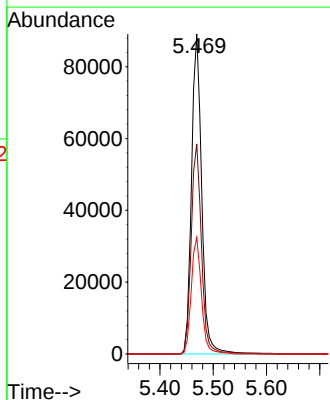
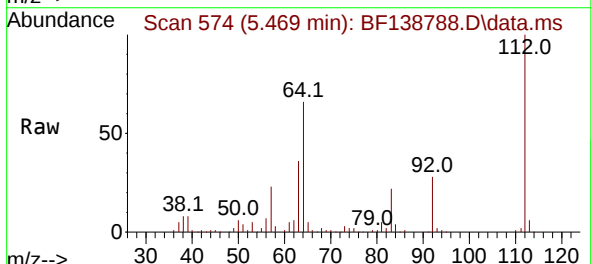
Instrument :
BNA_F
ClientSampleId :
TR-04-082024

Tgt Ion:152 Resp: 51115
Ion Ratio Lower Upper
152 100
150 160.0 126.0 189.0
115 70.0 51.7 77.5



#5
2-Fluorophenol
Concen: 35.881 ng
RT: 5.469 min Scan# 574
Delta R.T. -0.000 min
Lab File: BF138788.D
Acq: 05 Aug 2024 16:28

Tgt Ion:112 Resp: 118814
Ion Ratio Lower Upper
112 100
64 65.7 54.2 81.4
63 36.3 28.7 43.1

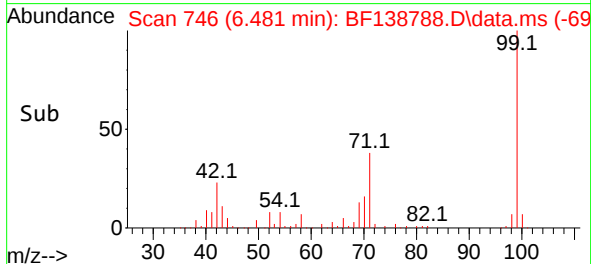
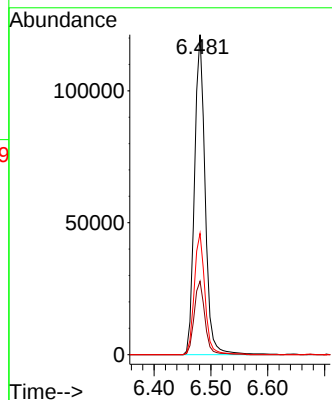
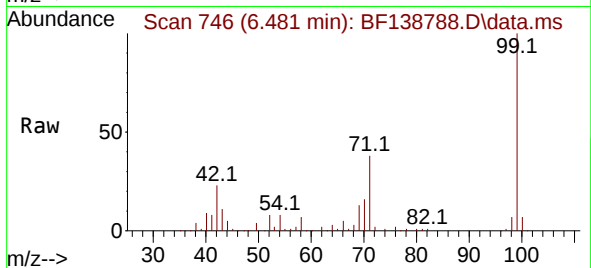




#7
Phenol-d6
Concen: 35.709 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF138788.D
Acq: 05 Aug 2024 16:28

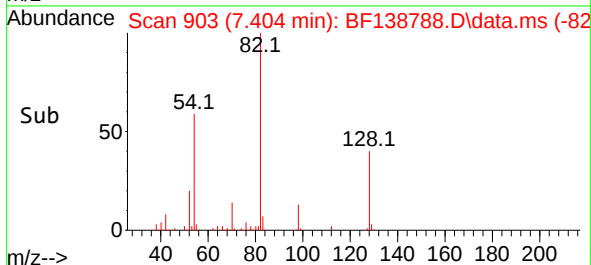
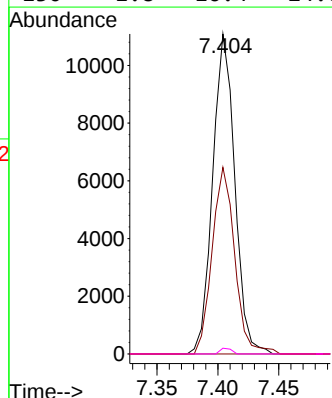
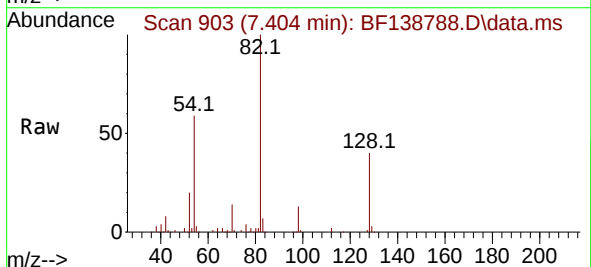
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BNA_F
ClientSampleId :
TR-04-082024

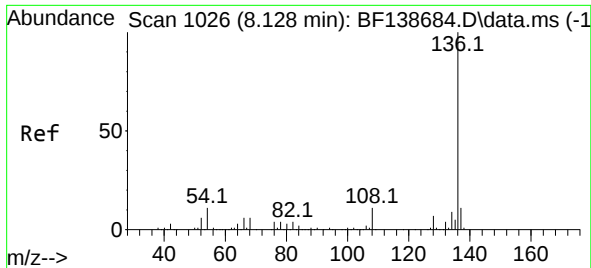
Tgt Ion: 99 Resp: 158754
Ion Ratio Lower Upper
99 100
42 23.0 17.4 26.0
71 37.9 28.1 42.1



#19
n-Nitroso-di-n-propylamine
Concen: 5.216 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.147 min
Lab File: BF138788.D
Acq: 05 Aug 2024 16:28

Tgt Ion: 70 Resp: 14005
Ion Ratio Lower Upper
70 100
42 58.3 57.4 86.0
101 0.0 7.5 11.3#
130 1.8 16.4 24.6#

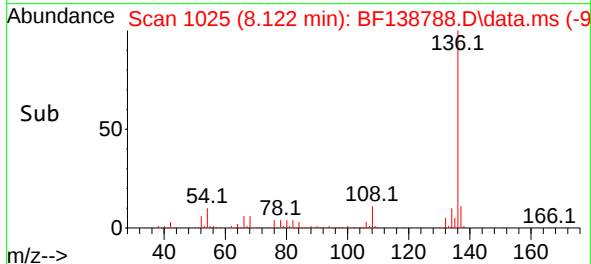
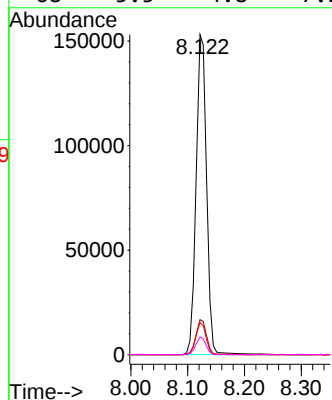
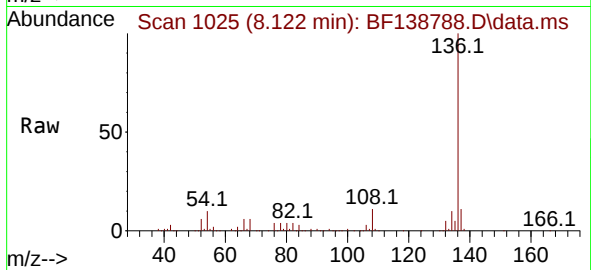




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF138788.D
Acq: 05 Aug 2024 16:28

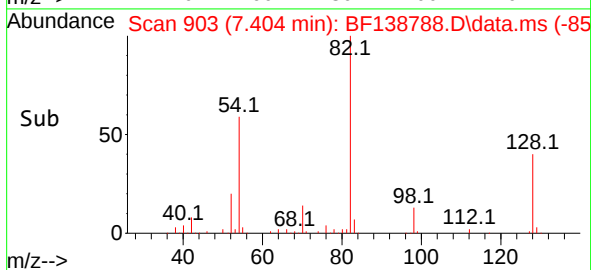
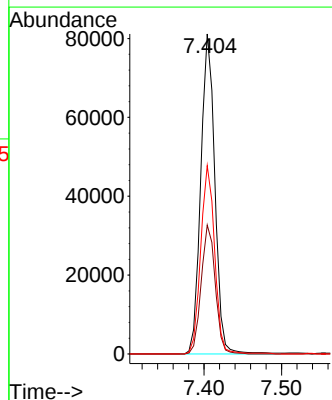
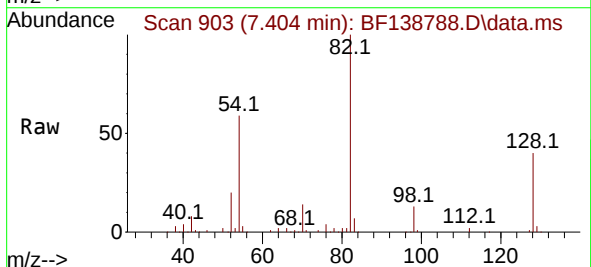
Instrument :
BNA_F
ClientSampleId :
TR-04-082024

Tgt Ion:136 Resp: 197244
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 10.1 8.6 12.8
68 5.5 4.8 7.2



#23
Nitrobenzene-d5
Concen: 25.397 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.006 min
Lab File: BF138788.D
Acq: 05 Aug 2024 16:28

Tgt Ion: 82 Resp: 102461
Ion Ratio Lower Upper
82 100
128 40.3 32.8 49.2
54 58.9 48.3 72.5

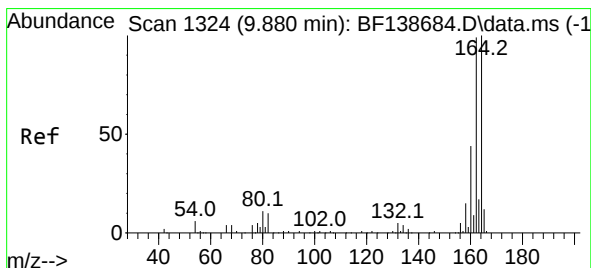
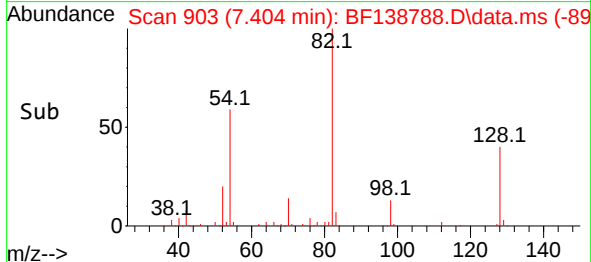
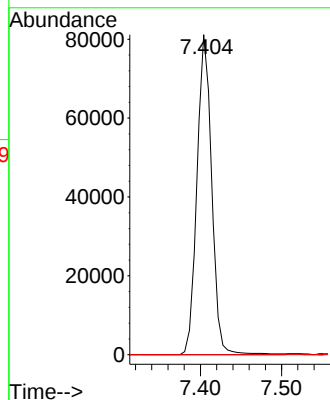
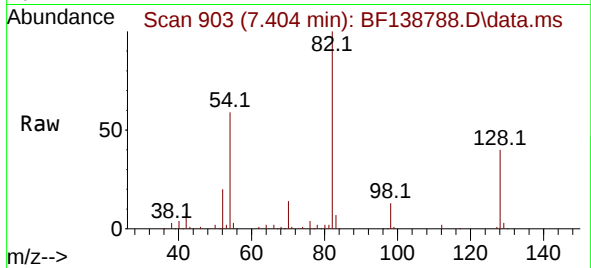




#25
Isophorone
Concen: 14.873 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF138788.D
Acq: 05 Aug 2024 16:28

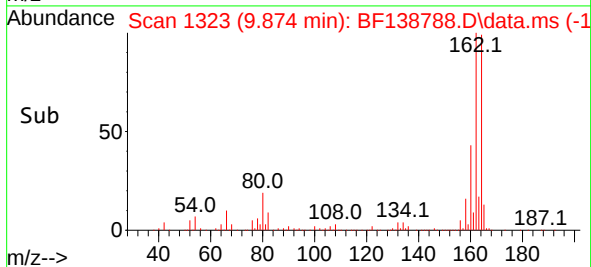
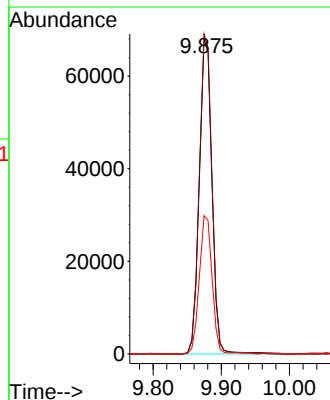
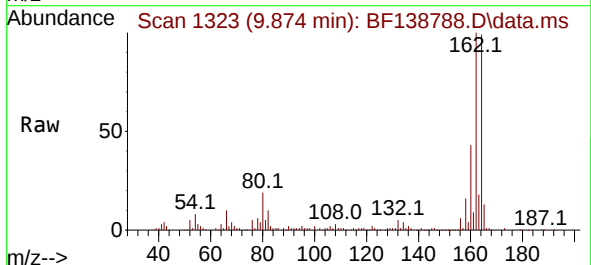
Instrument :
BNA_F
ClientSampleId :
TR-04-082024

Tgt Ion: 82 Resp: 102460
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.874 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF138788.D
Acq: 05 Aug 2024 16:28

Tgt Ion:164 Resp: 87662
Ion Ratio Lower Upper
164 100
162 101.5 79.4 119.0
160 43.9 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 32.157 ng

RT: 10.669 min Scan# 1458

Delta R.T. -0.000 min

Lab File: BF138788.D

Acq: 05 Aug 2024 16:28

Instrument :

BNA_F

ClientSampleId :

TR-04-082024

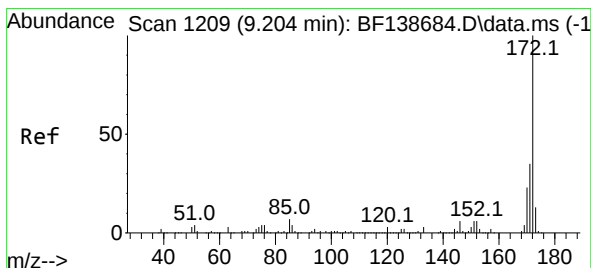
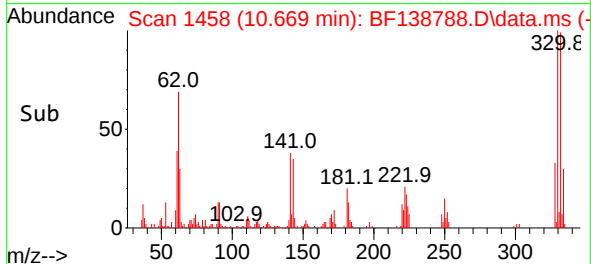
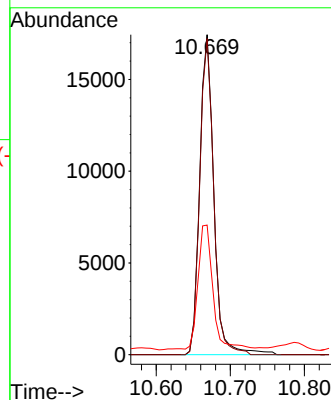
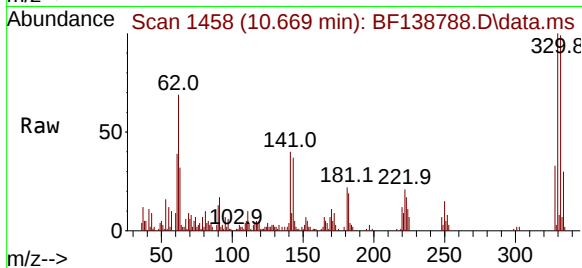
Tgt Ion:330 Resp: 23091

Ion Ratio Lower Upper

330 100

332 96.6 76.4 114.6

141 42.1 31.1 46.7



#45

2-Fluorobiphenyl

Concen: 29.871 ng

RT: 9.198 min Scan# 1208

Delta R.T. -0.006 min

Lab File: BF138788.D

Acq: 05 Aug 2024 16:28

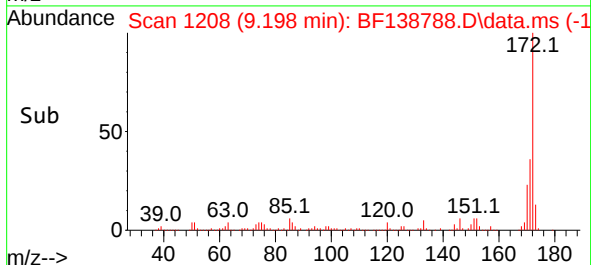
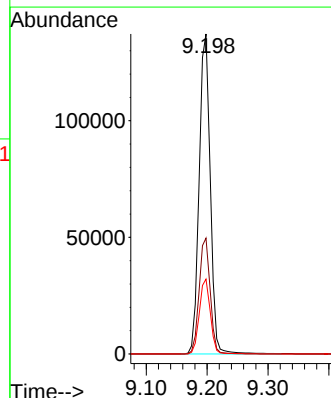
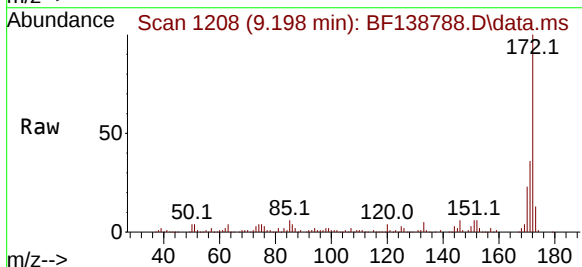
Tgt Ion:172 Resp: 174280

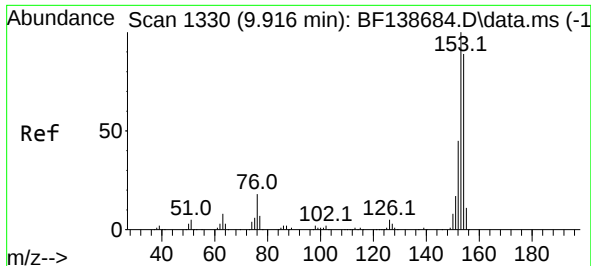
Ion Ratio Lower Upper

172 100

171 36.2 28.3 42.5

170 23.4 18.8 28.2

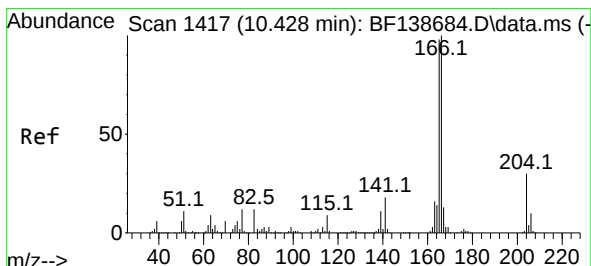
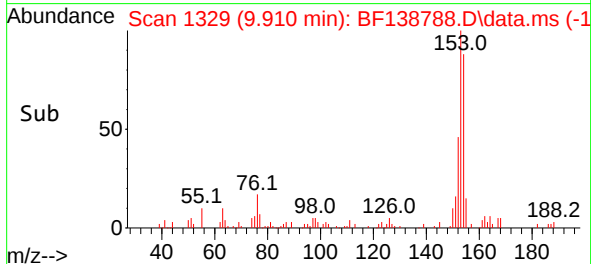
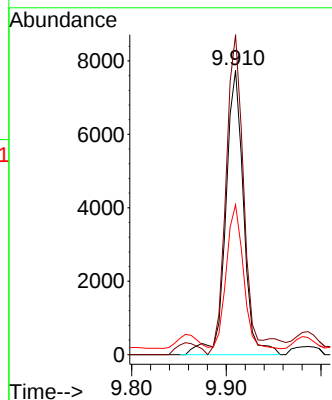
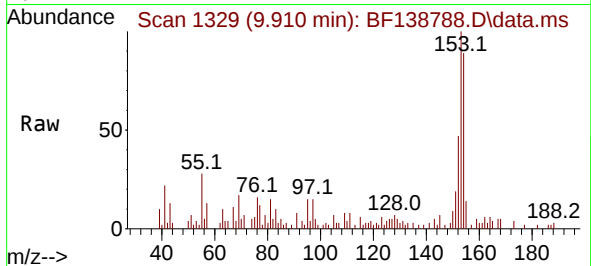




#52
Acenaphthene
Concen: 2.088 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF138788.D
Acq: 05 Aug 2024 16:28

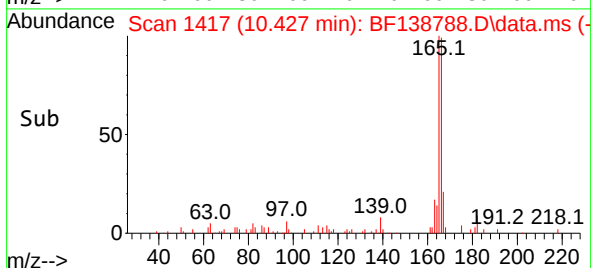
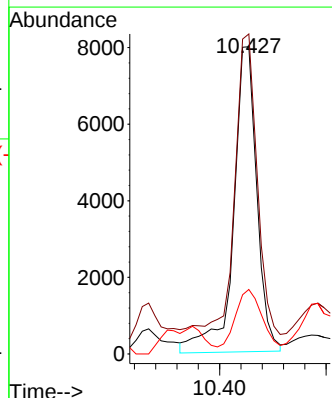
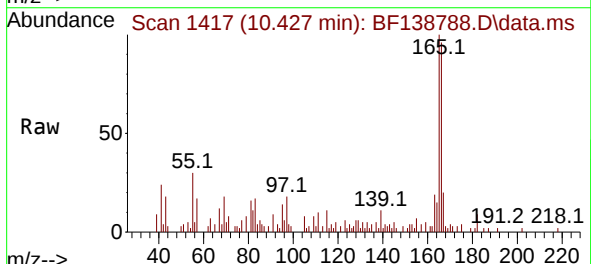
Instrument :
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TR-04-082024

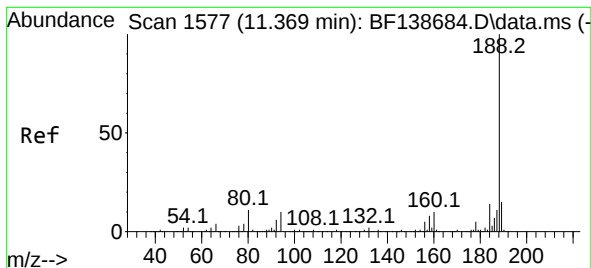
Tgt Ion:154 Resp: 10166
Ion Ratio Lower Upper
154 100
153 112.5 89.9 134.9
152 52.7 40.6 60.8



#58
Fluorene
Concen: 2.230 ng
RT: 10.427 min Scan# 1417
Delta R.T. -0.000 min
Lab File: BF138788.D
Acq: 05 Aug 2024 16:28

Tgt Ion:166 Resp: 12201
Ion Ratio Lower Upper
166 100
165 104.2 78.4 117.6
167 21.0 10.6 16.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.363 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF138788.D

Acq: 05 Aug 2024 16:28

Instrument :

BNA_F

ClientSampleId :

TR-04-082024

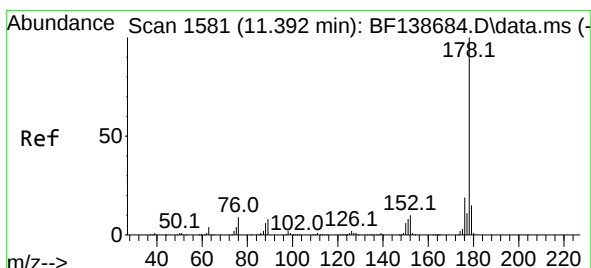
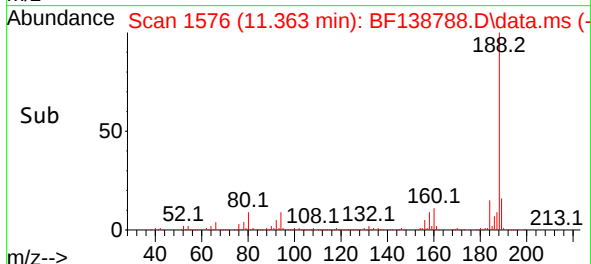
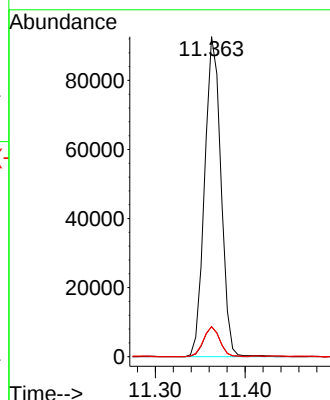
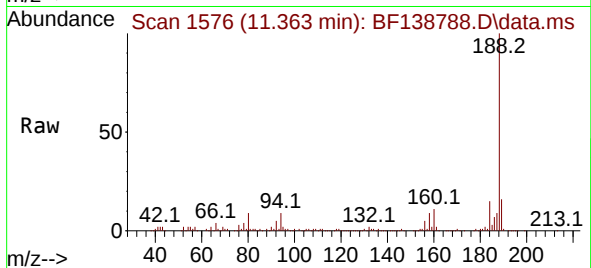
Tgt Ion:188 Resp: 117148

Ion Ratio Lower Upper

188 100

94 9.4 7.6 11.4

80 9.4 8.6 12.8



#71

Phenanthrene

Concen: 19.517 ng

RT: 11.386 min Scan# 1580

Delta R.T. -0.006 min

Lab File: BF138788.D

Acq: 05 Aug 2024 16:28

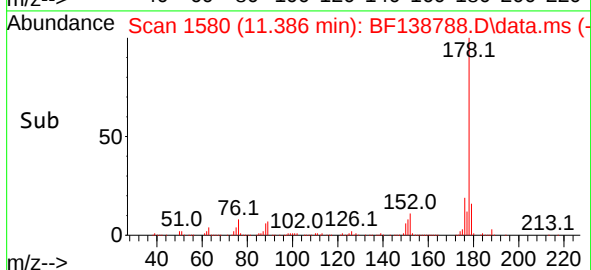
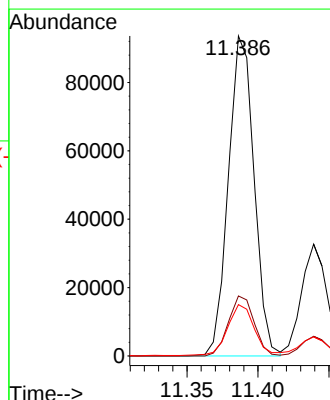
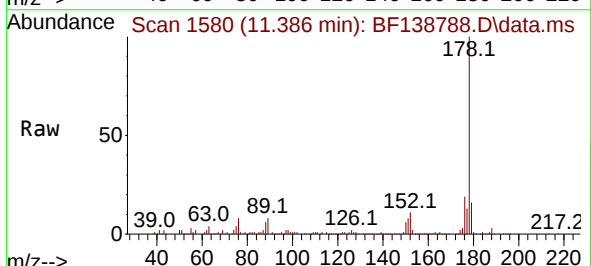
Tgt Ion:178 Resp: 117729

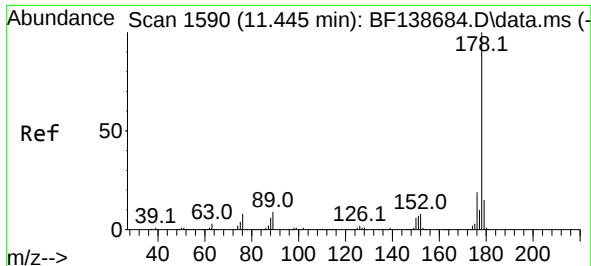
Ion Ratio Lower Upper

178 100

176 18.7 15.4 23.0

179 16.1 12.2 18.2

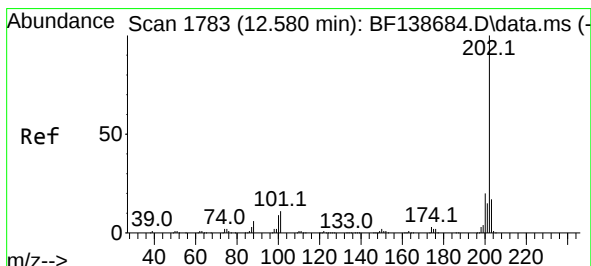
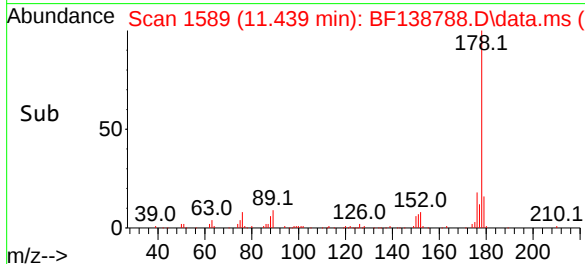
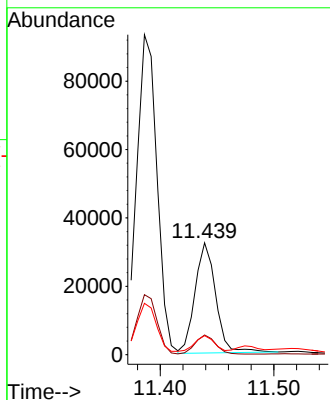
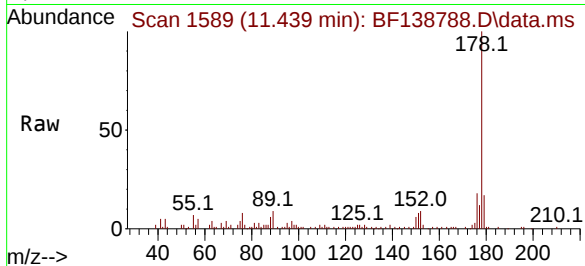




#72
 Anthracene
 Concen: 6.897 ng
 RT: 11.439 min Scan# 1589
 Delta R.T. -0.006 min
 Lab File: BF138788.D
 Acq: 05 Aug 2024 16:28

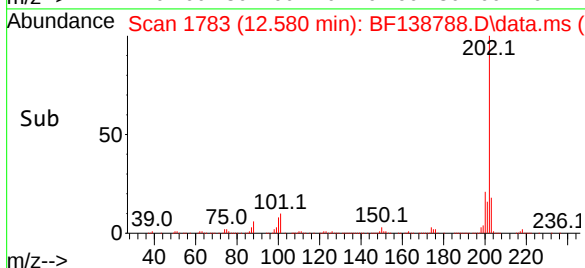
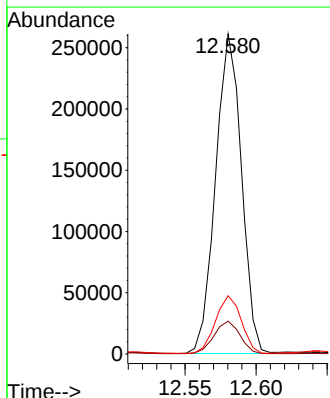
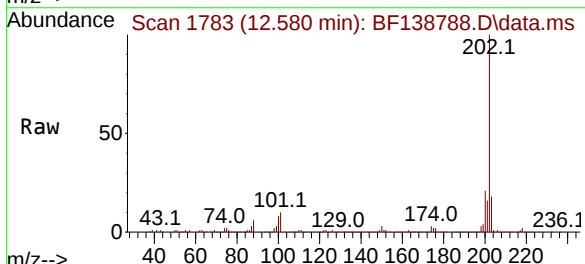
Instrument :
 BNA_F
 ClientSampleId :
 TR-04-082024

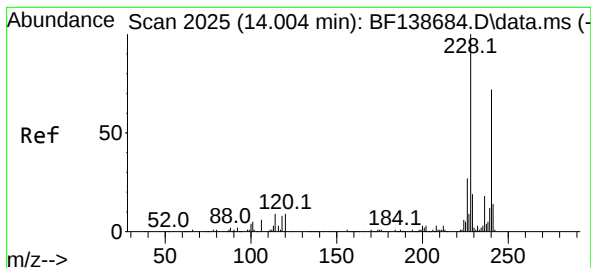
Tgt Ion:178 Resp: 40983
 Ion Ratio Lower Upper
 178 100
 176 17.7 14.9 22.3
 179 17.0 12.4 18.6



#75
 Fluoranthene
 Concen: 58.662 ng
 RT: 12.580 min Scan# 1783
 Delta R.T. -0.000 min
 Lab File: BF138788.D
 Acq: 05 Aug 2024 16:28

Tgt Ion:202 Resp: 330348
 Ion Ratio Lower Upper
 202 100
 101 10.3 0.0 31.2
 203 18.2 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: BF138788.D

Acq: 05 Aug 2024 16:28

Instrument :

BNA_F

ClientSampleId :

TR-04-082024

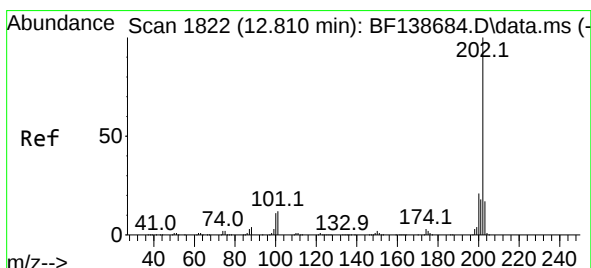
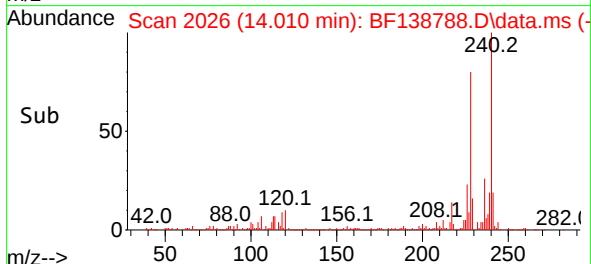
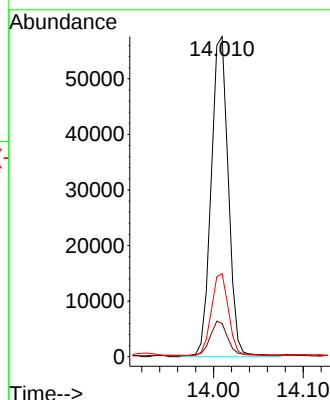
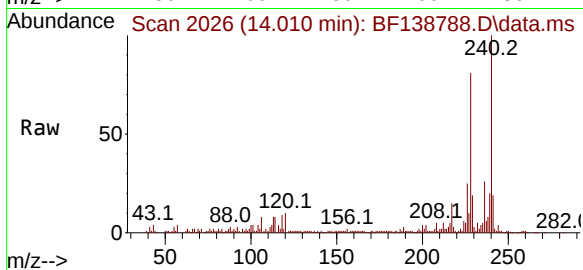
Tgt Ion:240 Resp: 76699

Ion Ratio Lower Upper

240 100

120 10.4 10.2 15.4

236 25.9 19.8 29.8



#78

Pyrene

Concen: 44.652 ng

RT: 12.810 min Scan# 1822

Delta R.T. -0.000 min

Lab File: BF138788.D

Acq: 05 Aug 2024 16:28

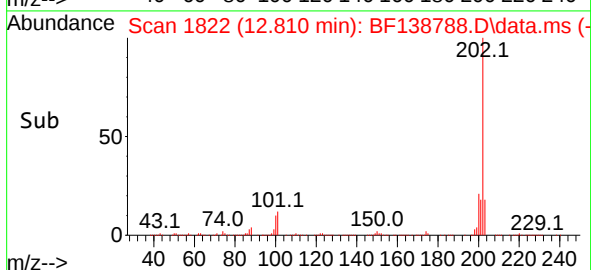
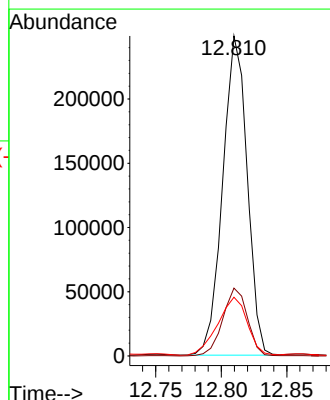
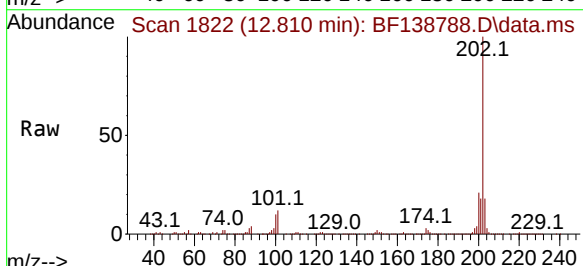
Tgt Ion:202 Resp: 322453

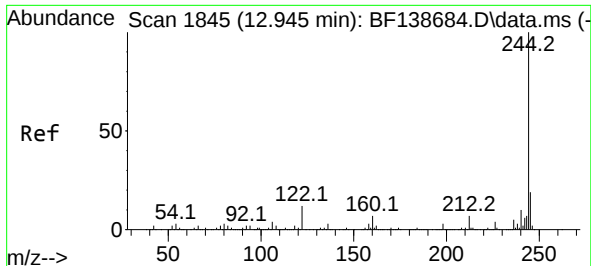
Ion Ratio Lower Upper

202 100

200 21.2 16.8 25.2

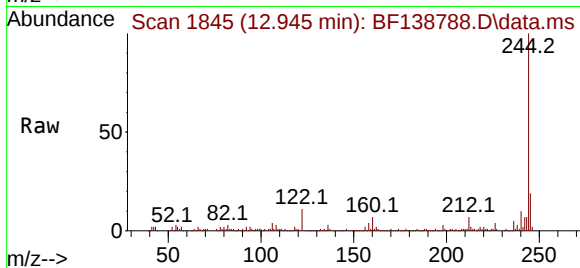
203 18.3 13.8 20.6



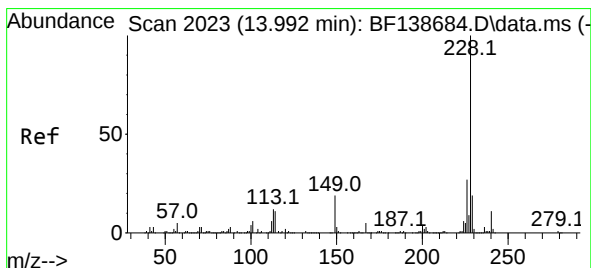
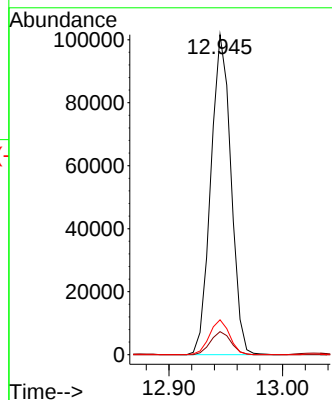
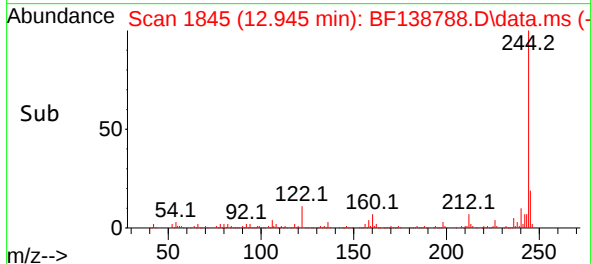


#79
 Terphenyl-d14
 Concen: 27.323 ng
 RT: 12.945 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF138788.D
 Acq: 05 Aug 2024 16:28

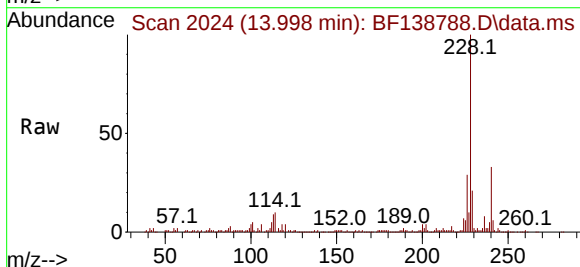
Instrument :
 BNA_F
 ClientSampleId :
 TR-04-082024



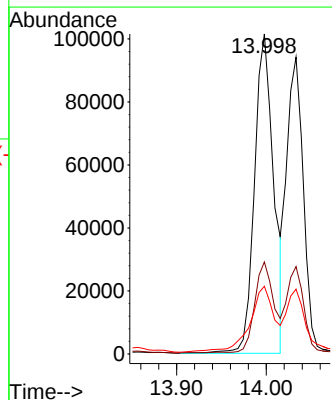
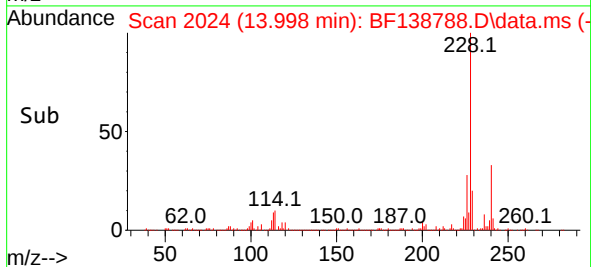
Tgt Ion:244 Resp: 125170
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.4 8.2
 122 10.9 9.6 14.4

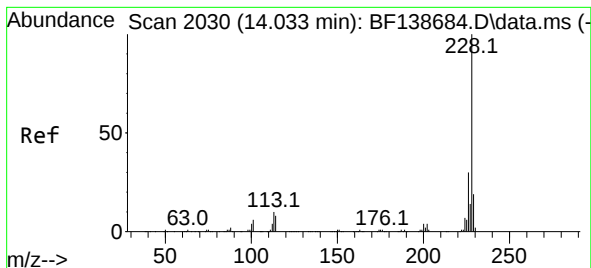


#81
 Benzo(a)anthracene
 Concen: 28.539 ng
 RT: 13.998 min Scan# 2024
 Delta R.T. 0.006 min
 Lab File: BF138788.D
 Acq: 05 Aug 2024 16:28



Tgt Ion:228 Resp: 150733
 Ion Ratio Lower Upper
 228 100
 226 28.8 22.1 33.1
 229 21.2 15.4 23.0





#83

Chrysene

Concen: 25.363 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.000 min

Lab File: BF138788.D

Acq: 05 Aug 2024 16:28

Instrument :

BNA_F

ClientSampleId :

TR-04-082024

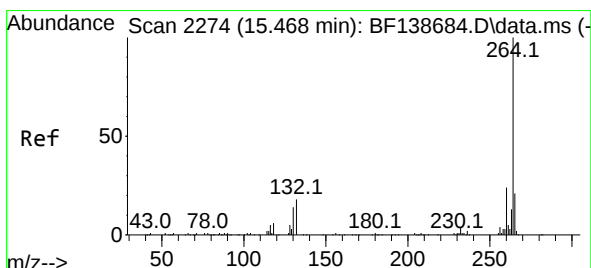
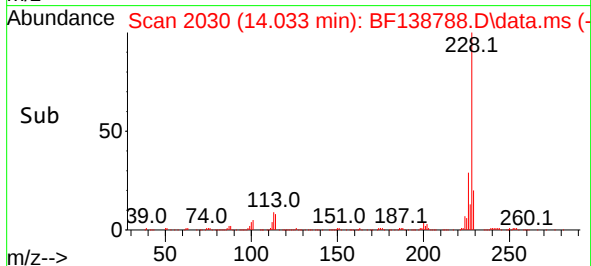
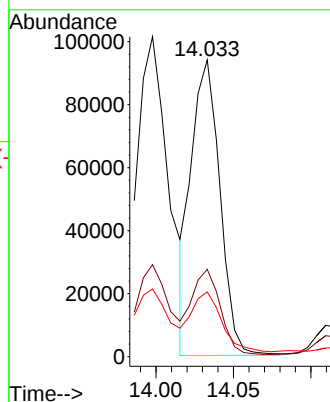
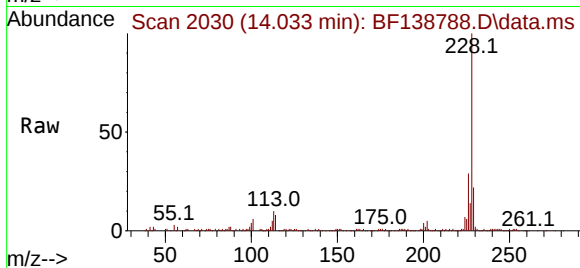
Tgt Ion:228 Resp: 120857

Ion Ratio Lower Upper

228 100

226 29.4 23.7 35.5

229 21.8 15.0 22.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.474 min Scan# 2275

Delta R.T. 0.006 min

Lab File: BF138788.D

Acq: 05 Aug 2024 16:28

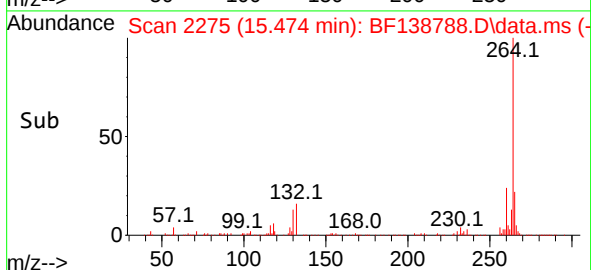
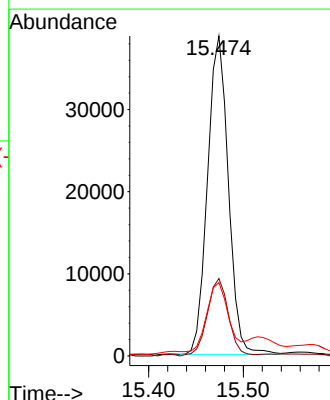
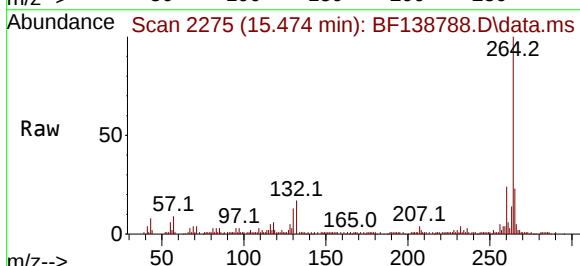
Tgt Ion:264 Resp: 59234

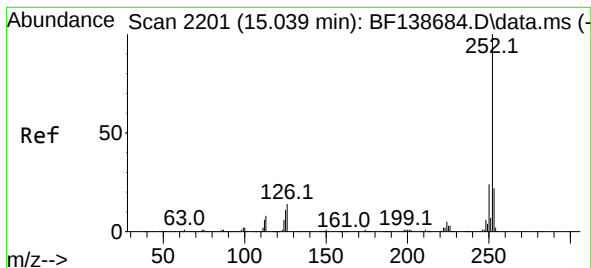
Ion Ratio Lower Upper

264 100

260 24.2 19.0 28.6

265 23.0 17.0 25.6





#88

Benzo(b)fluoranthene

Concen: 41.083 ng

RT: 15.045 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF138788.D

Acq: 05 Aug 2024 16:28

Instrument :

BNA_F

ClientSampleId :

TR-04-082024

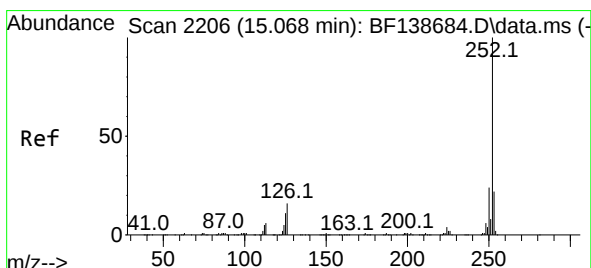
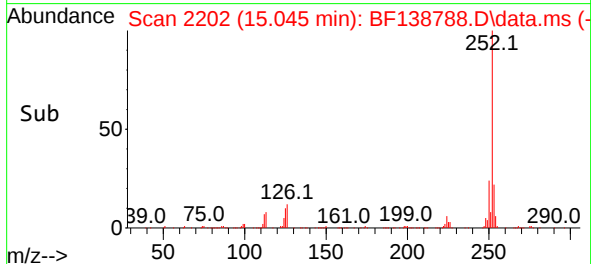
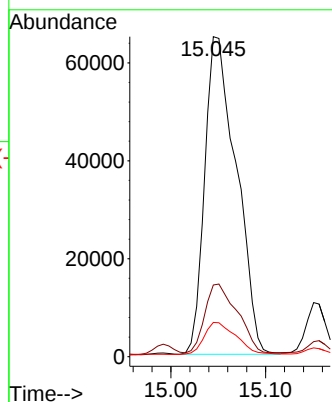
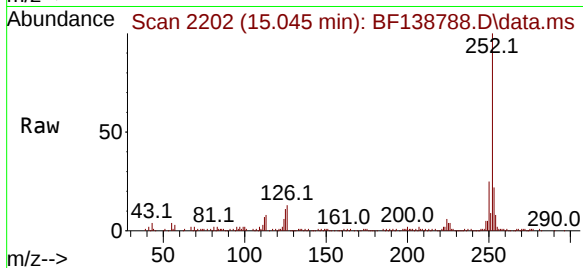
Tgt Ion:252 Resp: 150855

Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

125 10.7 8.9 13.3



#89

Benzo(k)fluoranthene

Concen: 47.450 ng

RT: 15.045 min Scan# 2202

Delta R.T. -0.024 min

Lab File: BF138788.D

Acq: 05 Aug 2024 16:28

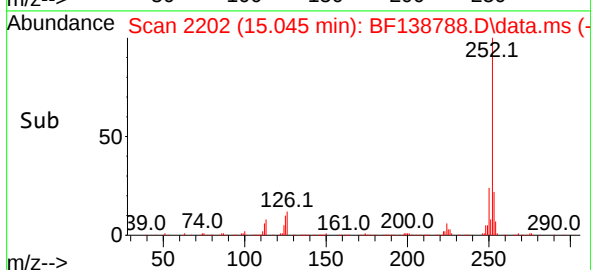
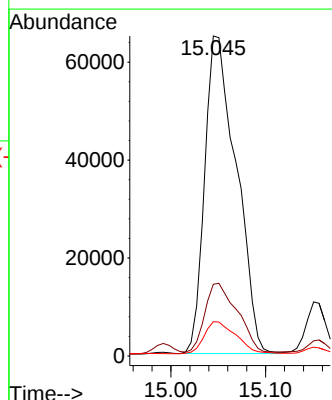
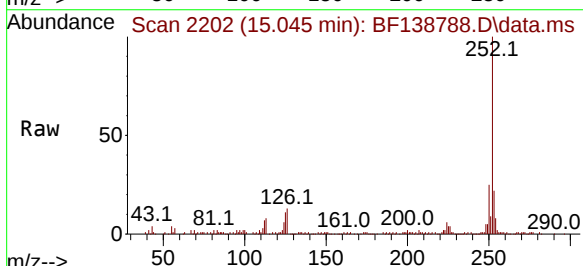
Tgt Ion:252 Resp: 150855

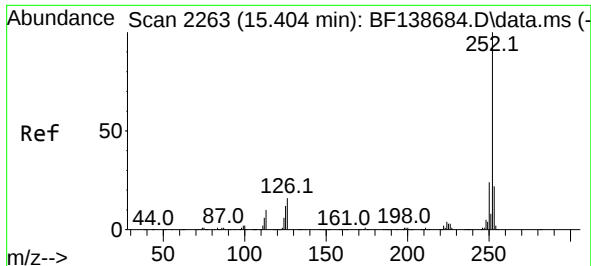
Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.0

125 10.7 8.6 13.0

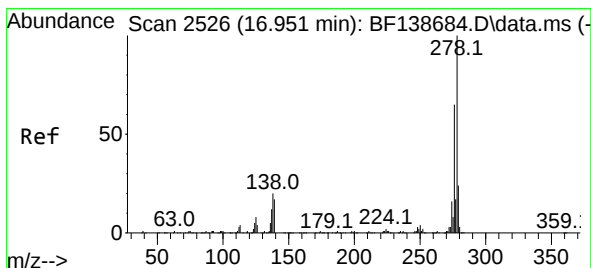
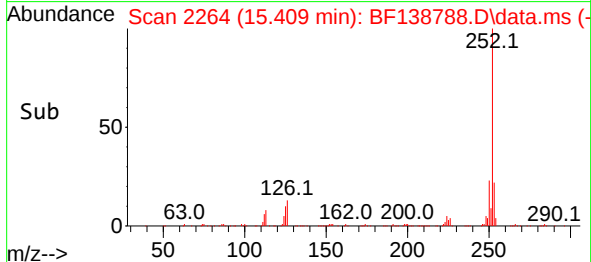
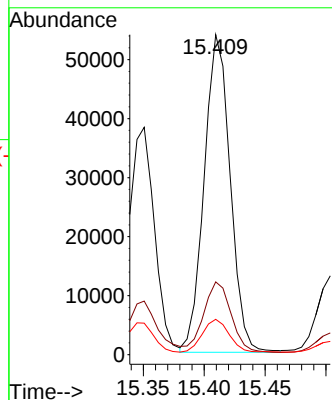
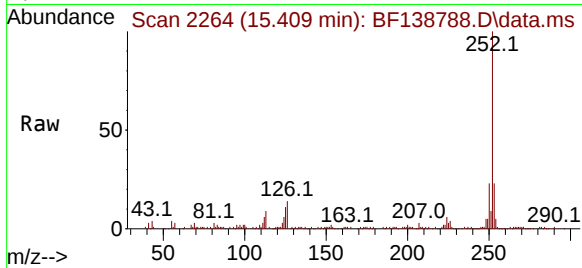




#90
Benzo(a)pyrene
Concen: 25.971 ng
RT: 15.409 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF138788.D
Acq: 05 Aug 2024 16:28

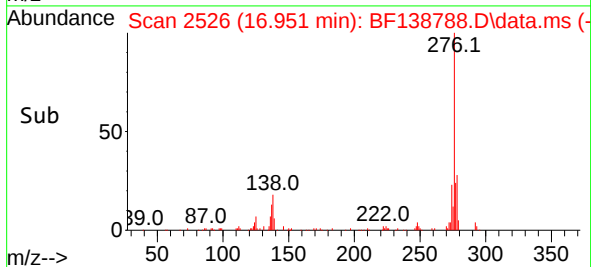
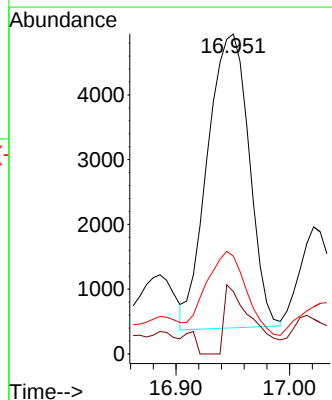
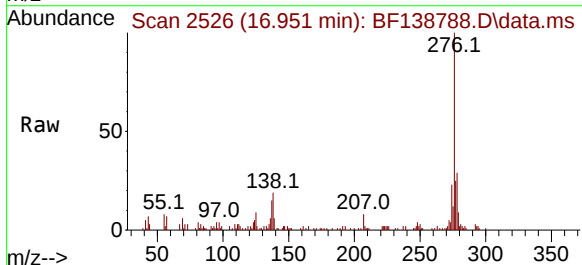
Instrument :
BNA_F
ClientSampleId :
TR-04-082024

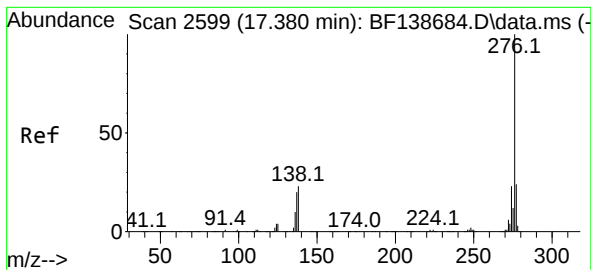
Tgt Ion:252 Resp: 80213
Ion Ratio Lower Upper
252 100
253 22.7 17.3 25.9
125 11.1 9.5 14.3



#91
Dibenzo(a,h)anthracene
Concen: 3.314 ng
RT: 16.951 min Scan# 2526
Delta R.T. -0.000 min
Lab File: BF138788.D
Acq: 05 Aug 2024 16:28

Tgt Ion:278 Resp: 11548
Ion Ratio Lower Upper
278 100
139 19.5 14.0 21.0
279 30.6 19.0 28.4#





#92

Benzo(g,h,i)perylene

Concen: 11.634 ng

RT: 17.392 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF138788.D

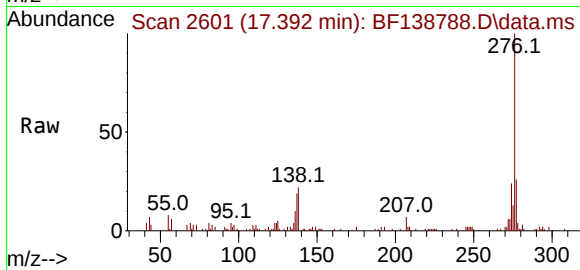
Acq: 05 Aug 2024 16:28

Instrument :

BNA_F

ClientSampleId :

TR-04-082024



Tgt Ion:276 Resp: 42069

Ion Ratio Lower Upper

276 100

277 26.5 19.0 28.4

138 21.7 18.5 27.7

