

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080324\
 Data File : BF138768.D
 Acq On : 03 Aug 2024 14:09
 Operator : RC/JU
 Sample : P3448-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP4

Quant Time: Aug 05 00:51:03 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)

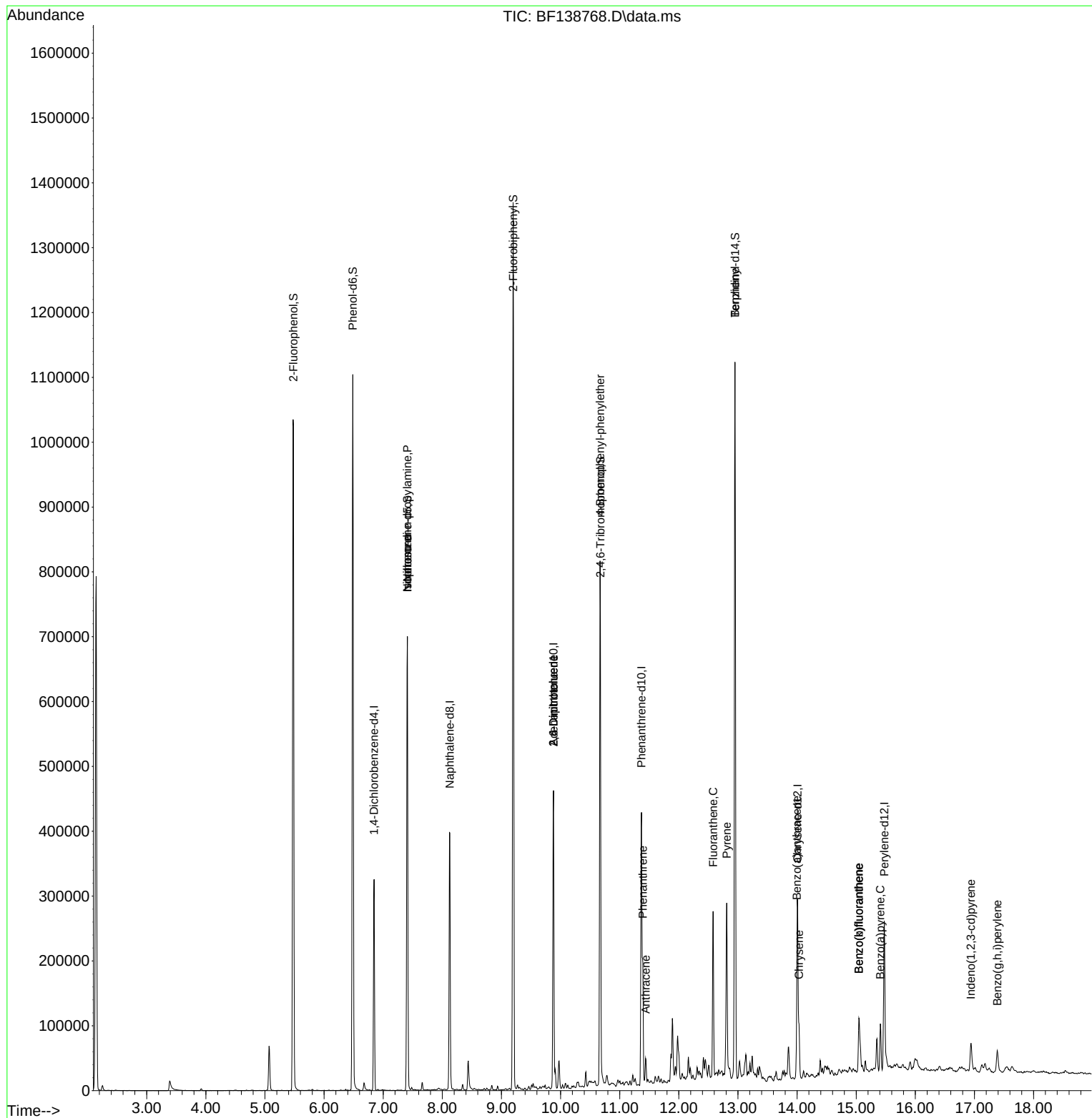
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	61913	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	248349	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	135068	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	212953	20.000	ng	0.00
76) Chrysene-d12	14.010	240	99884	20.000	ng	# 0.00
86) Perylene-d12	15.474	264	127328	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	361211	90.059	ng	0.01
7) Phenol-d6	6.487	99	499942	92.841	ng	0.00
23) Nitrobenzene-d5	7.410	82	304845	60.013	ng	0.00
42) 2,4,6-Tribromophenol	10.674	330	120727	109.118	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	575385	64.006	ng	0.00
79) Terphenyl-d14	12.951	244	505609	84.751	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.410	70	41938	12.894	ng	# 76
25) Isophorone	7.410	82	301947	34.812	ng	# 66
51) 2,6-Dinitrotoluene	9.880	165	17404	8.929	ng	# 21
57) 2,4-Dinitrotoluene	9.880	165	17404	6.999	ng	# 18
67) 4-Bromophenyl-phenylether	10.669	248	9436	4.093	ng	# 1
71) Phenanthrene	11.392	178	97497	8.891	ng	100
72) Anthracene	11.439	178	22068	2.043	ng	99
75) Fluoranthene	12.580	202	134543	13.143	ng	98
77) Benzidine	12.951	184	7171	3.002	ng	# 94
78) Pyrene	12.810	202	148454	15.786	ng	99
81) Benzo(a)anthracene	13.998	228	47814	6.952	ng	97
83) Chrysene	14.033	228	38950	6.277	ng	98
87) Indeno(1,2,3-cd)pyrene	16.939	276	29320	3.213	ng	# 91
88) Benzo(b)fluoranthene	15.045	252	65815	8.338	ng	100
89) Benzo(k)fluoranthene	15.045	252	65815	9.631	ng	99
90) Benzo(a)pyrene	15.409	252	42669	6.427	ng	99
92) Benzo(g,h,i)perylene	17.386	276	28428	3.657	ng	98

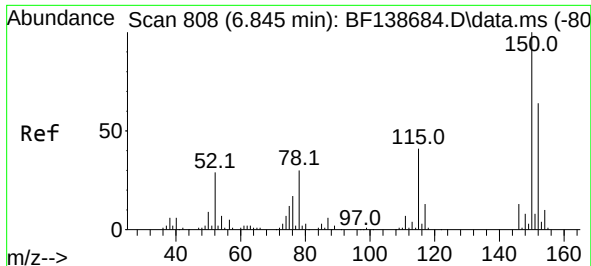
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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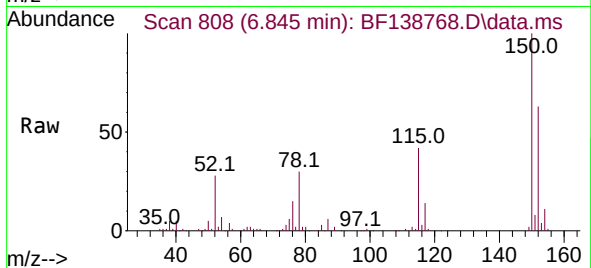
Quant Time: Aug 05 00:51:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
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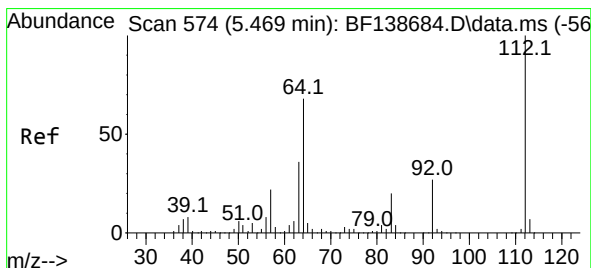
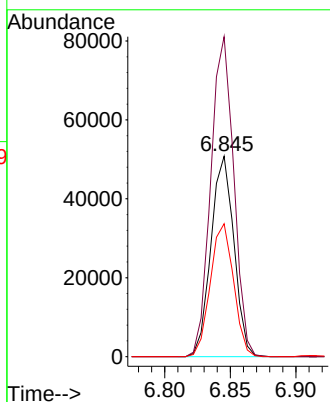
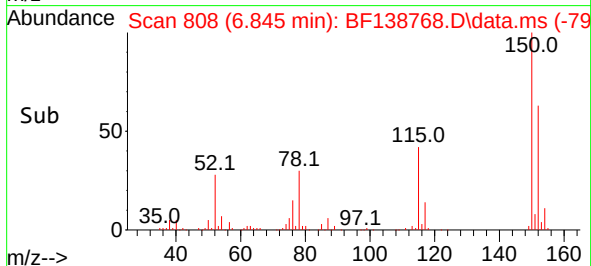


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 808
Delta R.T. 0.000 min
Lab File: BF138768.D
Acq: 03 Aug 2024 14:09

Instrument :
BNA_F
ClientSampleId :
TP4

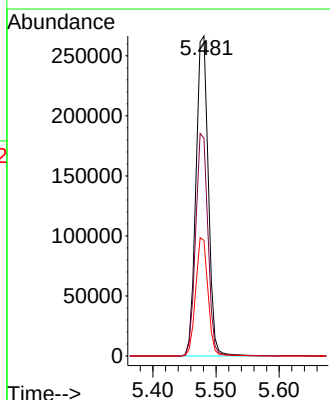
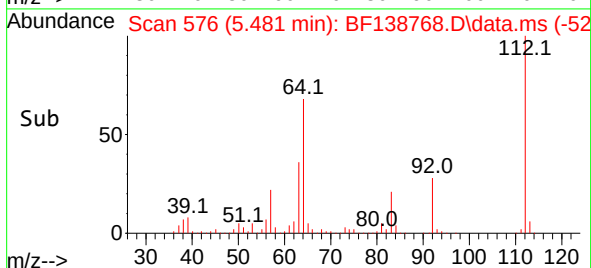
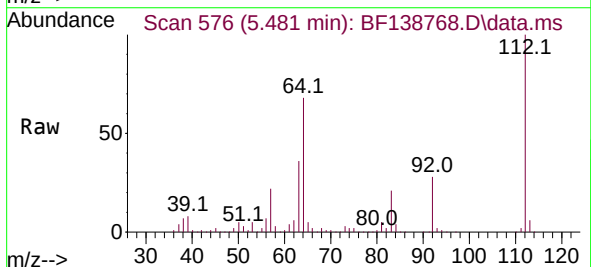


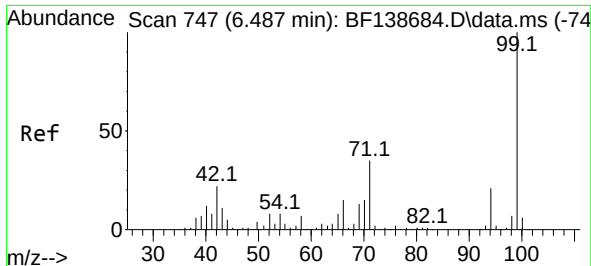
Tgt Ion:152 Resp: 61913
Ion Ratio Lower Upper
152 100
150 159.6 126.0 189.0
115 66.3 51.7 77.5



#5
2-Fluorophenol
Concen: 90.059 ng
RT: 5.481 min Scan# 576
Delta R.T. 0.012 min
Lab File: BF138768.D
Acq: 03 Aug 2024 14:09

Tgt Ion:112 Resp: 361211
Ion Ratio Lower Upper
112 100
64 68.1 54.2 81.4
63 36.1 28.7 43.1

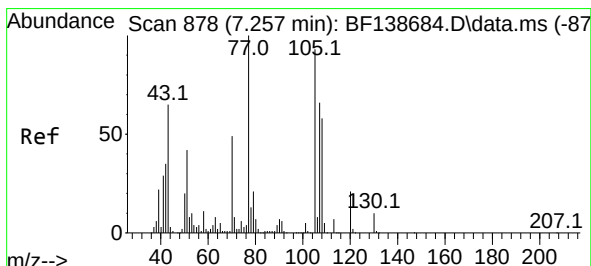
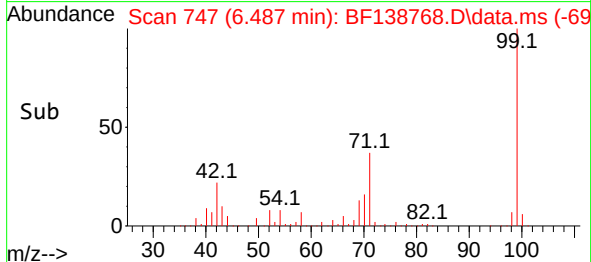
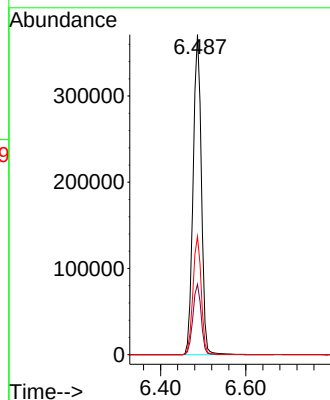
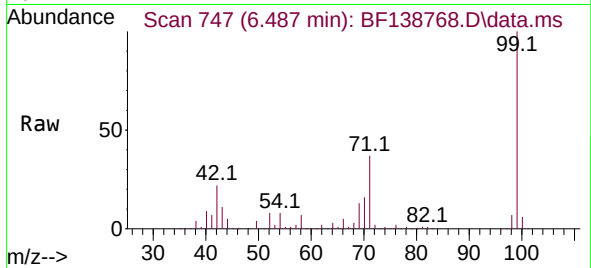




#7
Phenol-d6
Concen: 92.841 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF138768.D
Acq: 03 Aug 2024 14:09

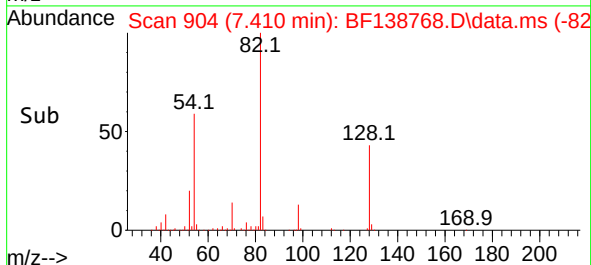
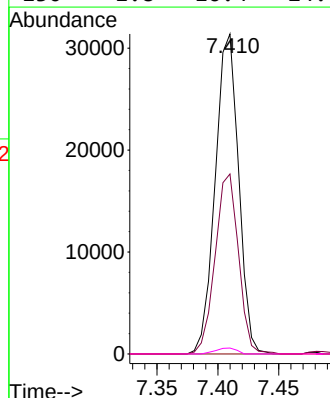
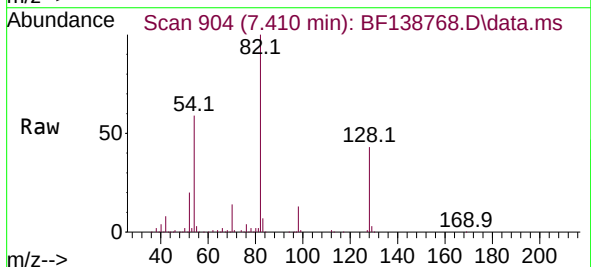
Instrument :
BNA_F
ClientSampleId :
TP4

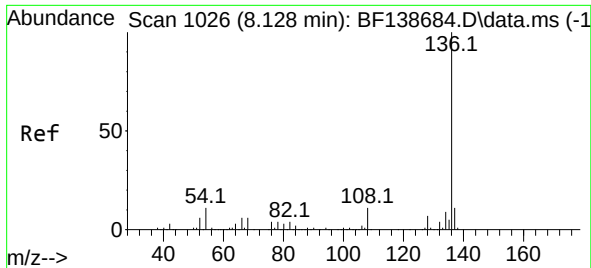
Tgt Ion: 99 Resp: 499942
Ion Ratio Lower Upper
99 100
42 22.0 17.4 26.0
71 37.0 28.1 42.1



#19
n-Nitroso-di-n-propylamine
Concen: 12.894 ng
RT: 7.410 min Scan# 904
Delta R.T. 0.153 min
Lab File: BF138768.D
Acq: 03 Aug 2024 14:09

Tgt Ion: 70 Resp: 41938
Ion Ratio Lower Upper
70 100
42 56.3 57.4 86.0#
101 0.0 7.5 11.3#
130 1.8 16.4 24.6#

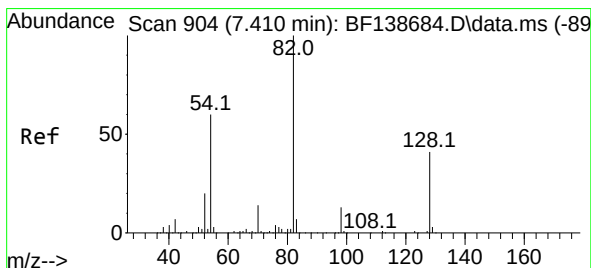
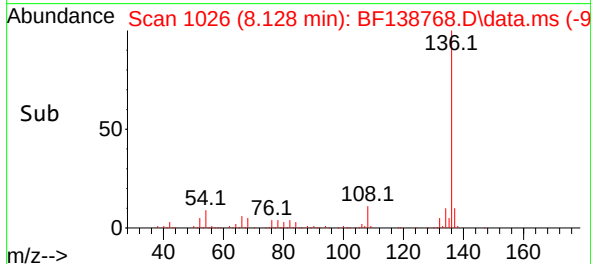
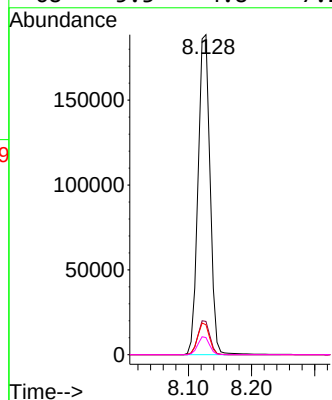
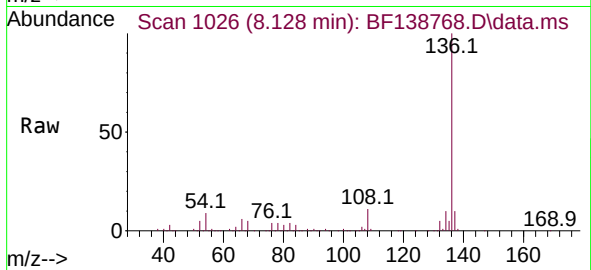




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF138768.D
Acq: 03 Aug 2024 14:09

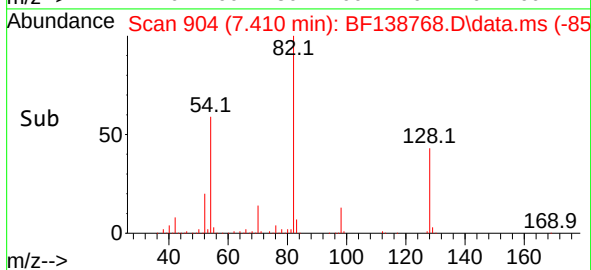
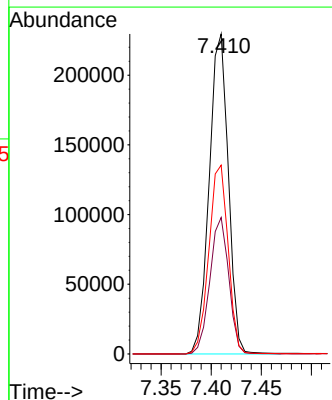
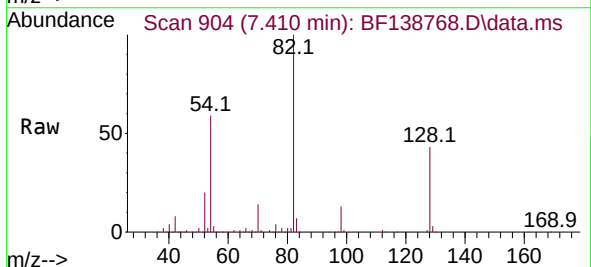
Instrument :
BNA_F
ClientSampleId :
TP4

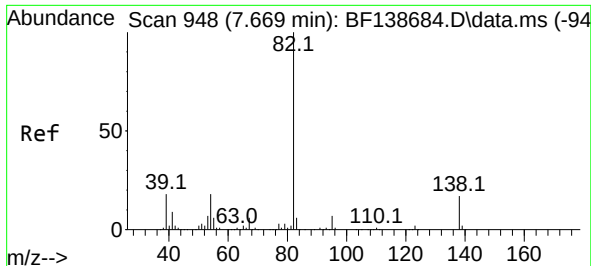
Tgt Ion:	136	Resp:	248349
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.9	13.3
54	9.3	8.6	12.8
68	5.3	4.8	7.2



#23
Nitrobenzene-d5
Concen: 60.013 ng
RT: 7.410 min Scan# 904
Delta R.T. -0.000 min
Lab File: BF138768.D
Acq: 03 Aug 2024 14:09

Tgt Ion:	82	Resp:	304845
Ion	Ratio	Lower	Upper
82	100		
128	42.6	32.8	49.2
54	59.0	48.3	72.5

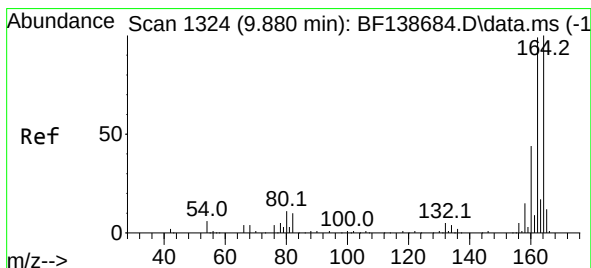
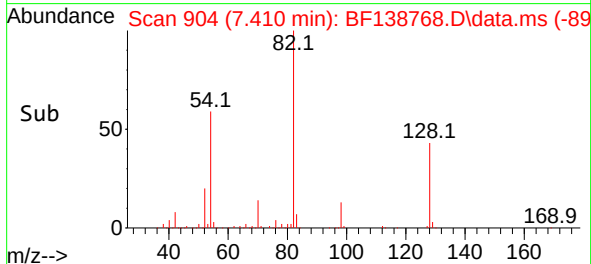
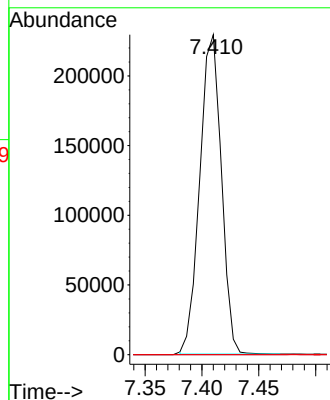
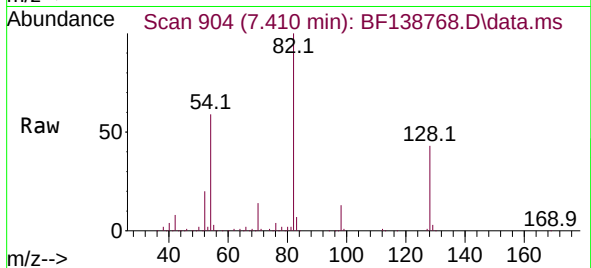




#25
Isophorone
Concen: 34.812 ng
RT: 7.410 min Scan# 904
Delta R.T. -0.259 min
Lab File: BF138768.D
Acq: 03 Aug 2024 14:09

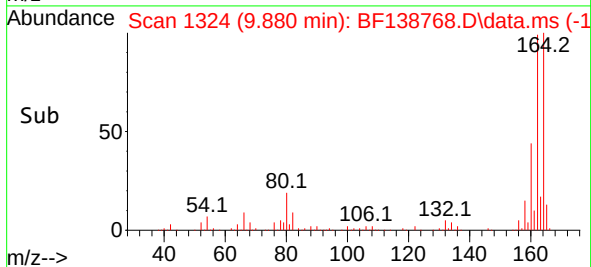
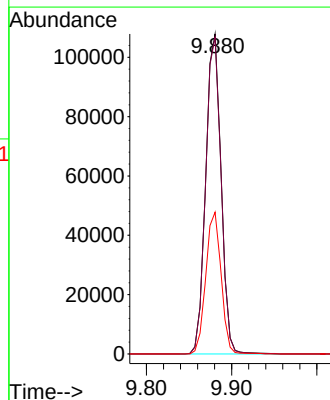
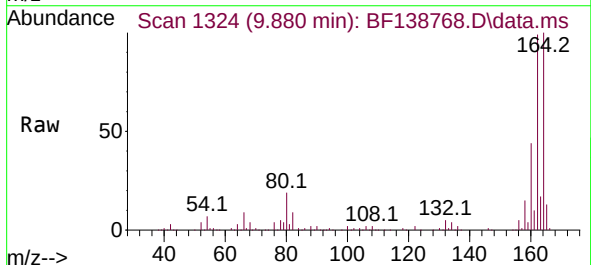
Instrument :
BNA_F
ClientSampleId :
TP4

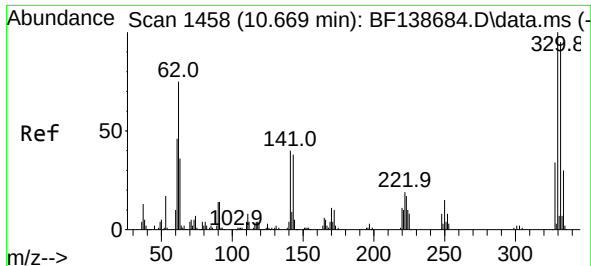
Tgt Ion: 82 Resp: 301947
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF138768.D
Acq: 03 Aug 2024 14:09

Tgt Ion:164 Resp: 135068
Ion Ratio Lower Upper
164 100
162 99.0 79.4 119.0
160 44.3 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 109.118 ng

RT: 10.674 min Scan# 1458

Delta R.T. 0.006 min

Lab File: BF138768.D

Acq: 03 Aug 2024 14:09

Instrument :

BNA_F

ClientSampleId :

TP4

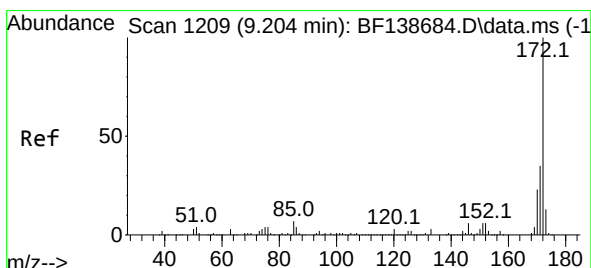
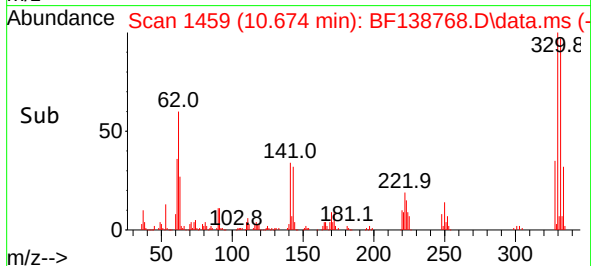
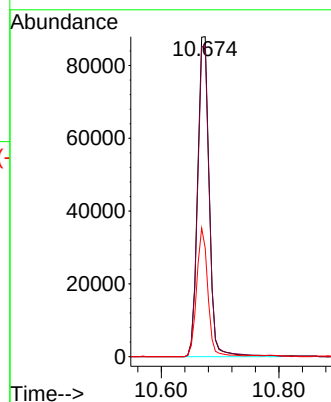
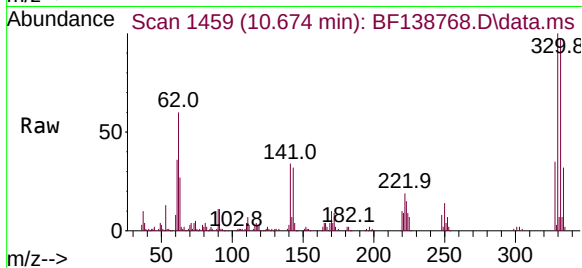
Tgt Ion:330 Resp: 120727

Ion Ratio Lower Upper

330 100

332 97.6 76.4 114.6

141 38.6 31.1 46.7



#45

2-Fluorobiphenyl

Concen: 64.006 ng

RT: 9.198 min Scan# 1208

Delta R.T. -0.006 min

Lab File: BF138768.D

Acq: 03 Aug 2024 14:09

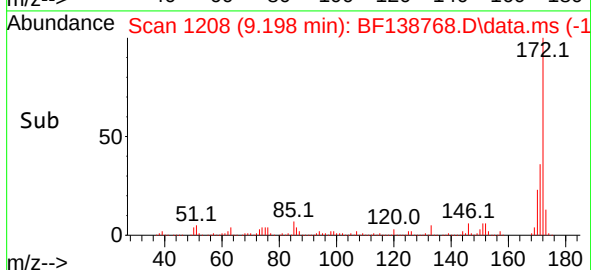
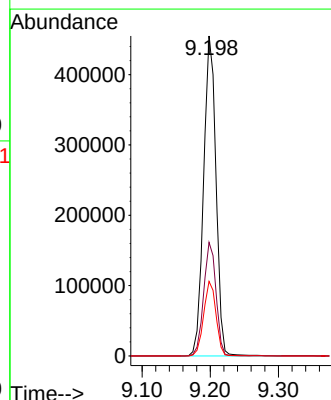
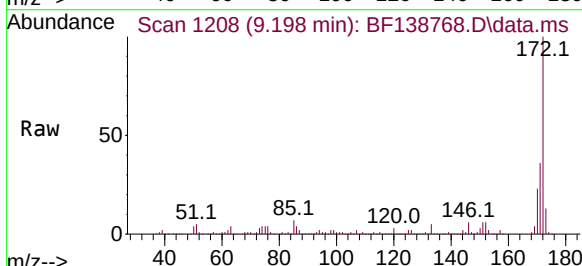
Tgt Ion:172 Resp: 575385

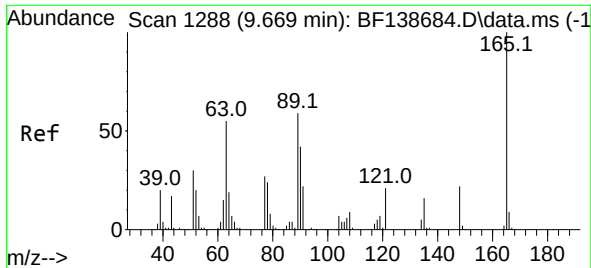
Ion Ratio Lower Upper

172 100

171 35.5 28.3 42.5

170 23.3 18.8 28.2





#51

2,6-Dinitrotoluene

Concen: 8.929 ng

RT: 9.880 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF138768.D

Acq: 03 Aug 2024 14:09

Instrument :

BNA_F

ClientSampleId :

TP4

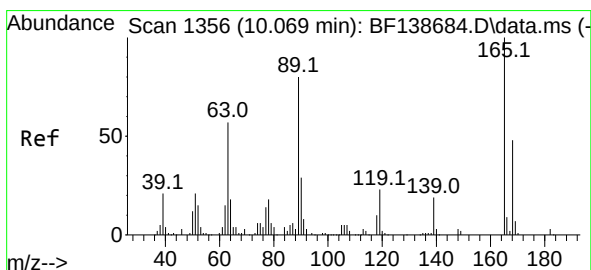
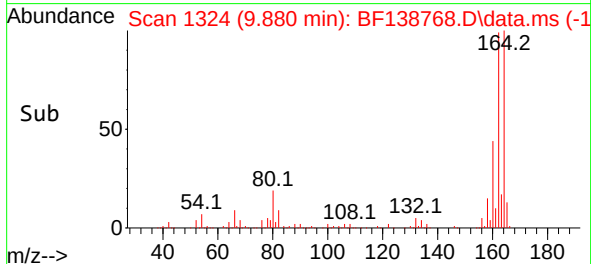
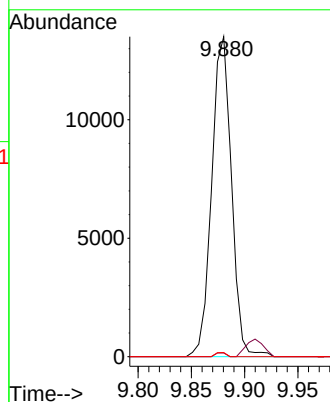
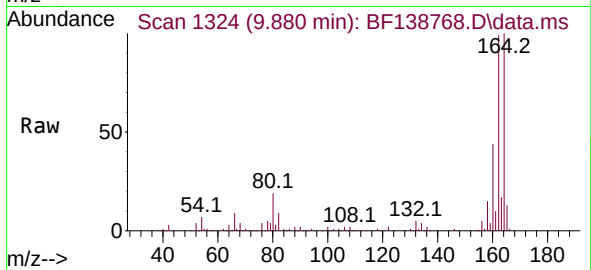
Tgt Ion:165 Resp: 17404

Ion Ratio Lower Upper

165 100

63 1.2 52.0 78.0#

89 1.3 47.0 70.6#



#57

2,4-Dinitrotoluene

Concen: 6.999 ng

RT: 9.880 min Scan# 1324

Delta R.T. -0.188 min

Lab File: BF138768.D

Acq: 03 Aug 2024 14:09

Tgt Ion:165 Resp: 17404

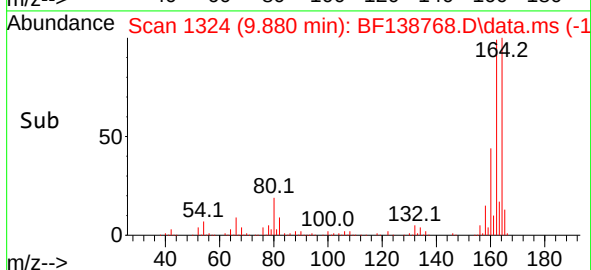
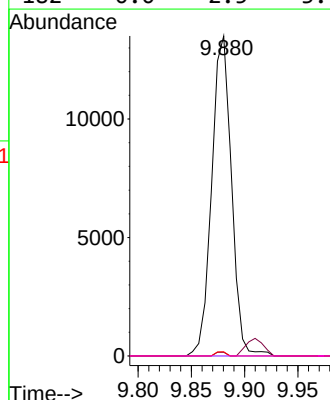
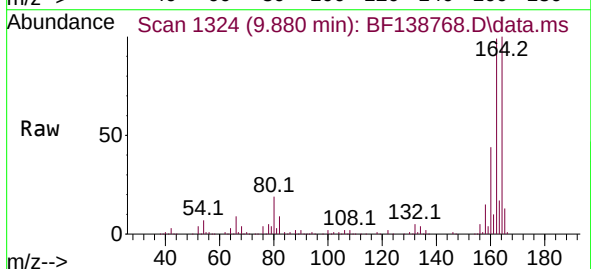
Ion Ratio Lower Upper

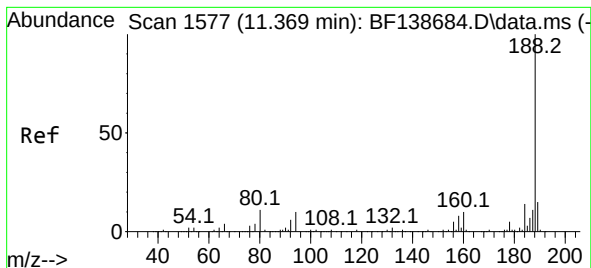
165 100

63 1.2 46.3 69.5#

89 1.3 64.2 96.4#

182 0.0 2.5 3.7#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.369 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF138768.D

Acq: 03 Aug 2024 14:09

Instrument :

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ClientSampleId :

TP4

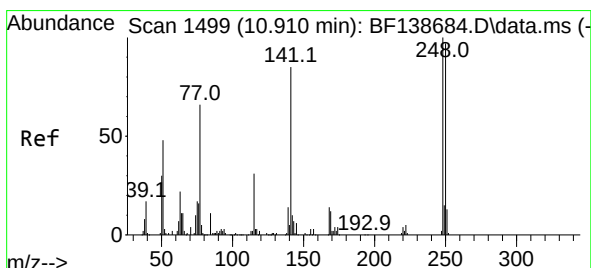
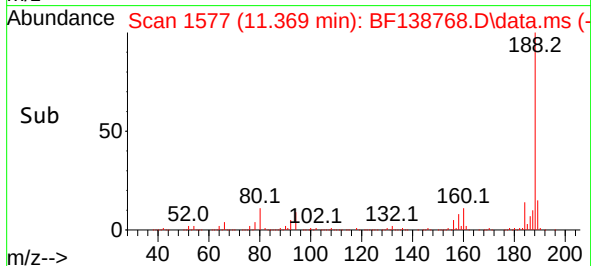
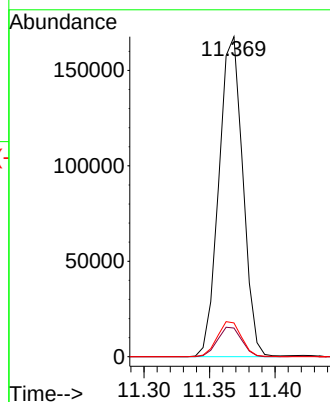
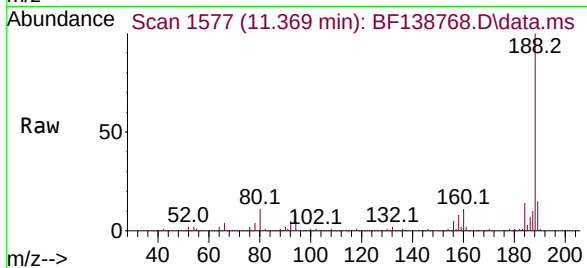
Tgt Ion:188 Resp: 212953

Ion Ratio Lower Upper

188 100

94 9.0 7.6 11.4

80 10.6 8.6 12.8



#67

4-Bromophenyl-phenylether

Concen: 4.093 ng

RT: 10.669 min Scan# 1458

Delta R.T. -0.241 min

Lab File: BF138768.D

Acq: 03 Aug 2024 14:09

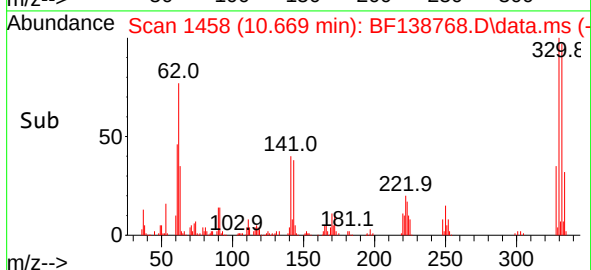
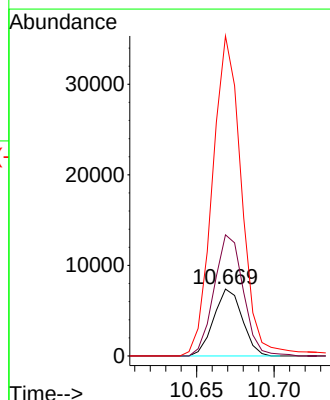
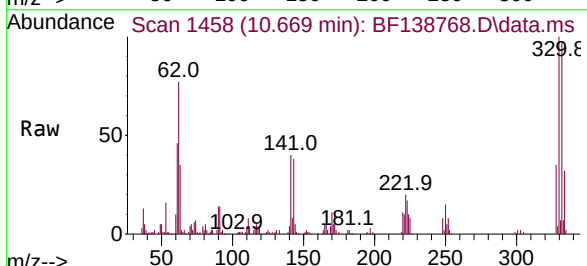
Tgt Ion:248 Resp: 9436

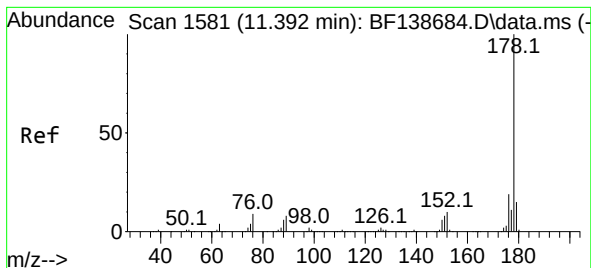
Ion Ratio Lower Upper

248 100

250 181.2 77.7 116.5#

141 478.8 68.0 102.0#





#71

Phenanthrene

Concen: 8.891 ng

RT: 11.392 min Scan# 1581

Delta R.T. -0.000 min

Lab File: BF138768.D

Acq: 03 Aug 2024 14:09

Instrument :

BNA_F

ClientSampleId :

TP4

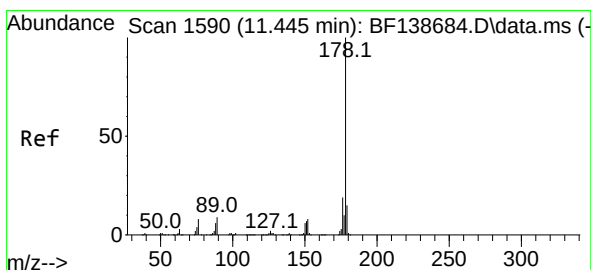
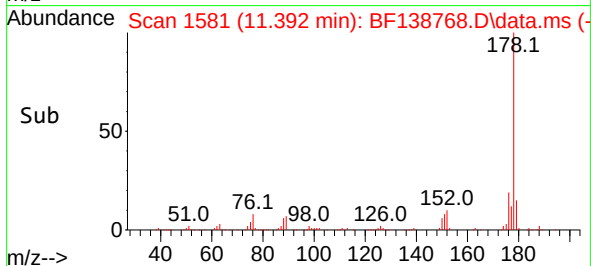
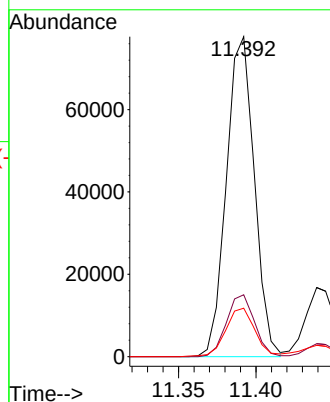
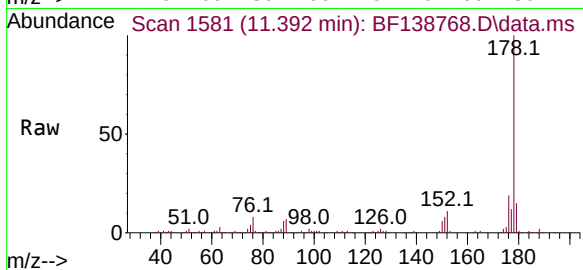
Tgt Ion:178 Resp: 97497

Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.0

179 15.1 12.2 18.2



#72

Anthracene

Concen: 2.043 ng

RT: 11.439 min Scan# 1589

Delta R.T. -0.006 min

Lab File: BF138768.D

Acq: 03 Aug 2024 14:09

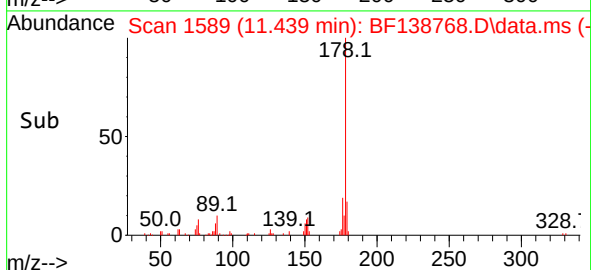
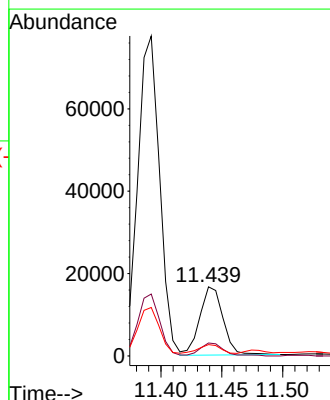
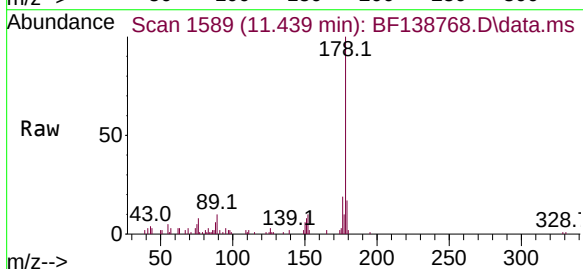
Tgt Ion:178 Resp: 22068

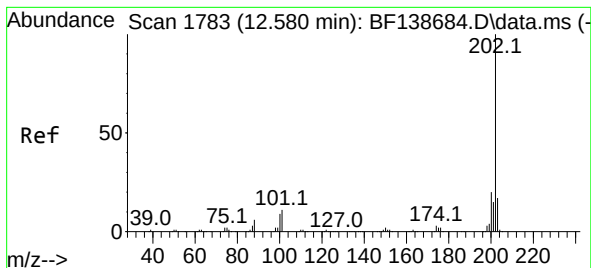
Ion Ratio Lower Upper

178 100

176 18.9 14.9 22.3

179 16.5 12.4 18.6





#75

Fluoranthene

Concen: 13.143 ng

RT: 12.580 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF138768.D

Acq: 03 Aug 2024 14:09

Instrument :

BNA_F

ClientSampleId :

TP4

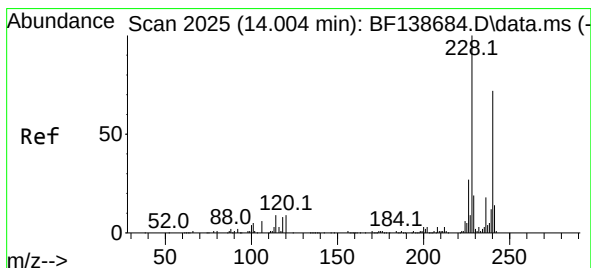
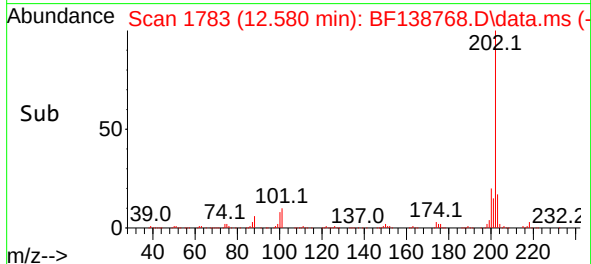
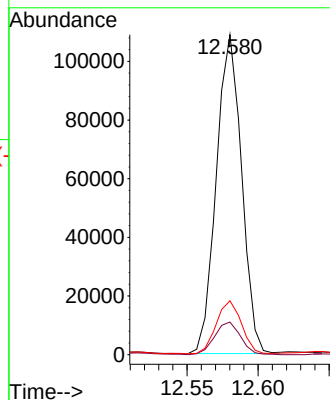
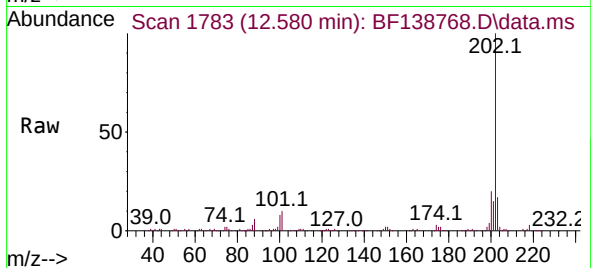
Tgt Ion:202 Resp: 134543

Ion Ratio Lower Upper

202 100

101 10.2 0.0 31.2

203 16.8 0.0 37.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2026

Delta R.T. 0.006 min

Lab File: BF138768.D

Acq: 03 Aug 2024 14:09

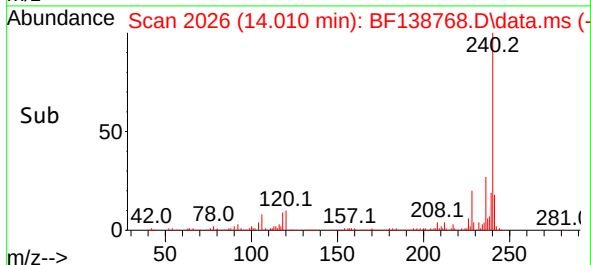
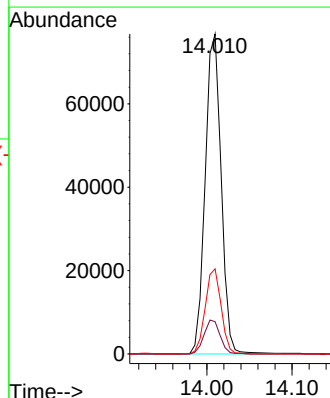
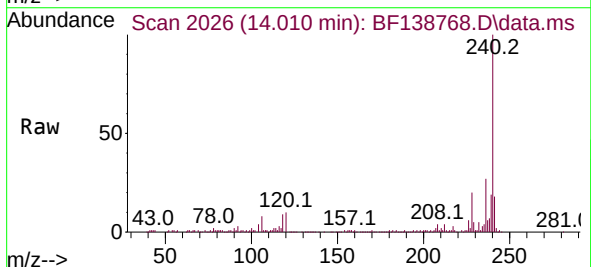
Tgt Ion:240 Resp: 99884

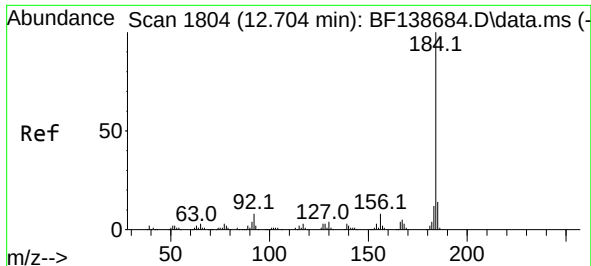
Ion Ratio Lower Upper

240 100

120 10.1 10.2 15.4#

236 26.6 19.8 29.8

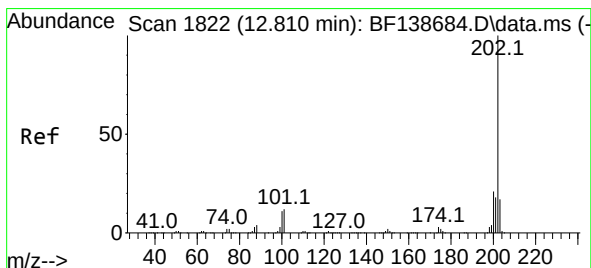
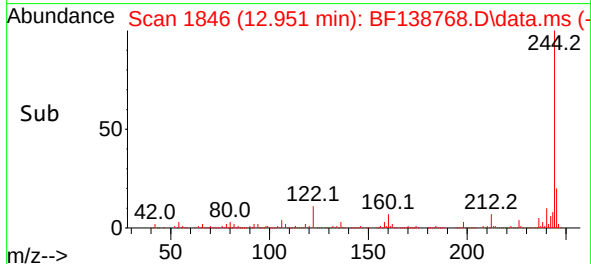
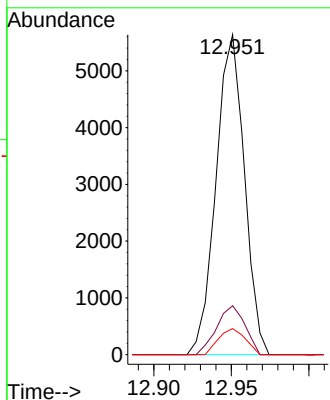
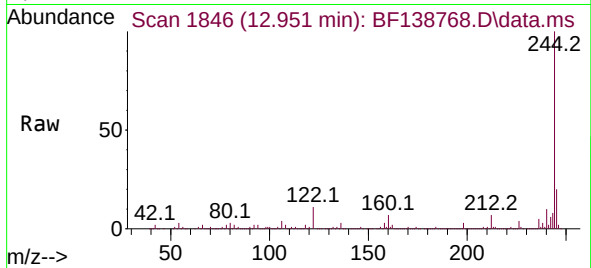




#77
Benzidine
Concen: 3.002 ng
RT: 12.951 min Scan# 1846
Delta R.T. 0.247 min
Lab File: BF138768.D
Acq: 03 Aug 2024 14:09

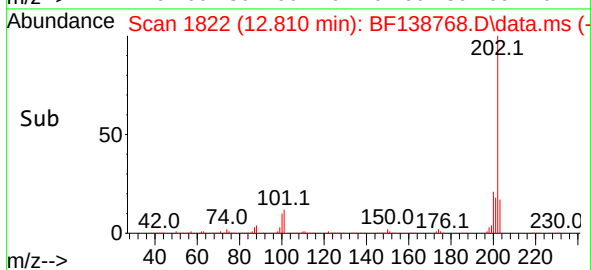
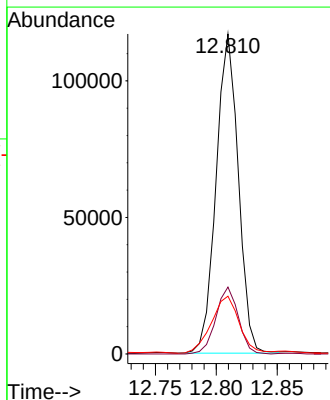
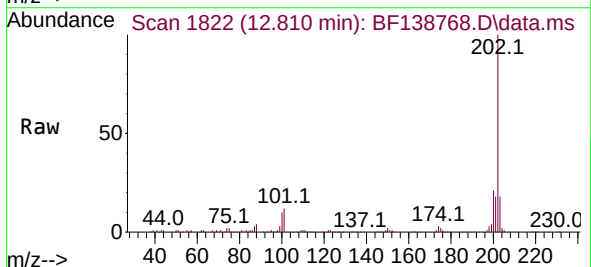
Instrument :
BNA_F
ClientSampleId :
TP4

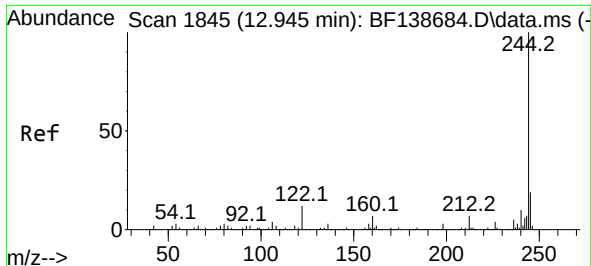
Tgt Ion:184 Resp: 7171
Ion Ratio Lower Upper
184 100
185 15.3 11.1 16.7
183 8.1 9.6 14.4#



#78
Pyrene
Concen: 15.786 ng
RT: 12.810 min Scan# 1822
Delta R.T. -0.000 min
Lab File: BF138768.D
Acq: 03 Aug 2024 14:09

Tgt Ion:202 Resp: 148454
Ion Ratio Lower Upper
202 100
200 20.9 16.8 25.2
203 18.1 13.8 20.6

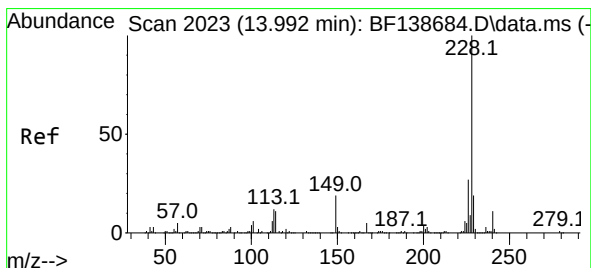
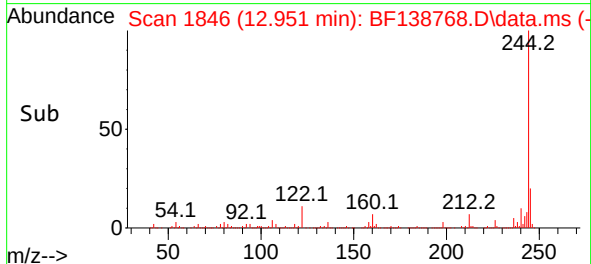
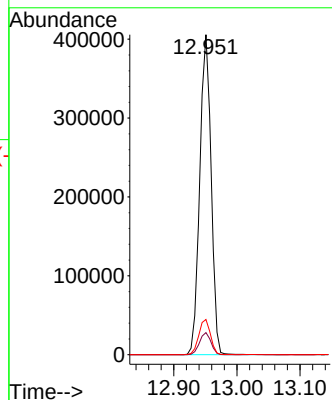
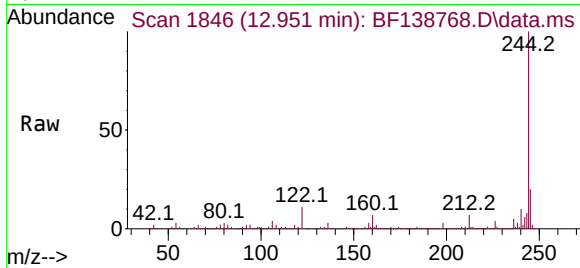




#79
 Terphenyl-d14
 Concen: 84.751 ng
 RT: 12.951 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BF138768.D
 Acq: 03 Aug 2024 14:09

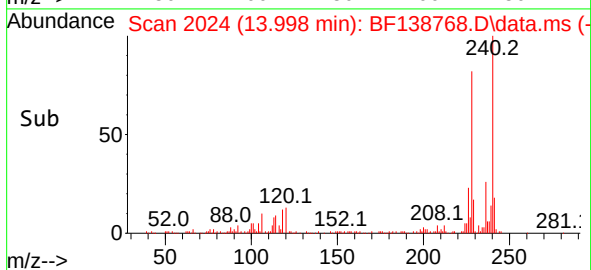
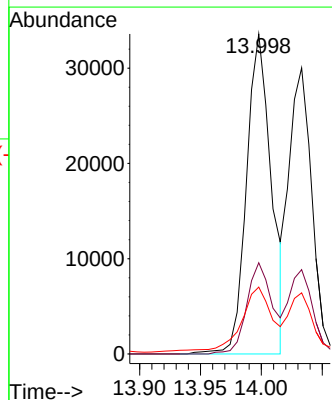
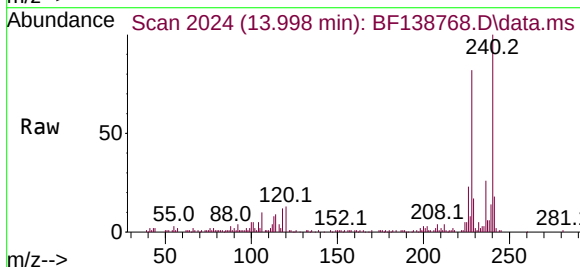
Instrument :
 BNA_F
 ClientSampleId :
 TP4

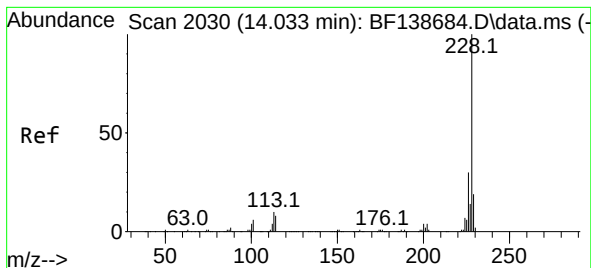
Tgt Ion:244 Resp: 505609
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.2
 122 11.0 9.6 14.4



#81
 Benzo(a)anthracene
 Concen: 6.952 ng
 RT: 13.998 min Scan# 2024
 Delta R.T. 0.006 min
 Lab File: BF138768.D
 Acq: 03 Aug 2024 14:09

Tgt Ion:228 Resp: 47814
 Ion Ratio Lower Upper
 228 100
 226 28.5 22.1 33.1
 229 20.9 15.4 23.0





#83

Chrysene

Concen: 6.277 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.000 min

Lab File: BF138768.D

Acq: 03 Aug 2024 14:09

Instrument :

BNA_F

ClientSampleId :

TP4

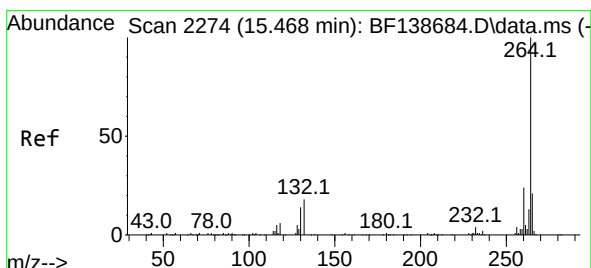
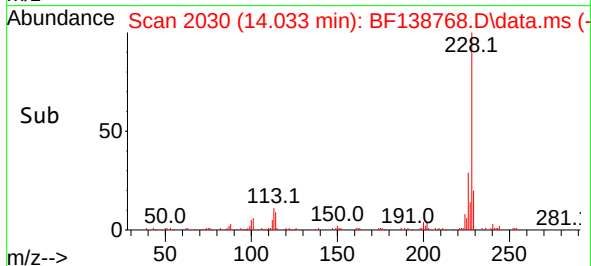
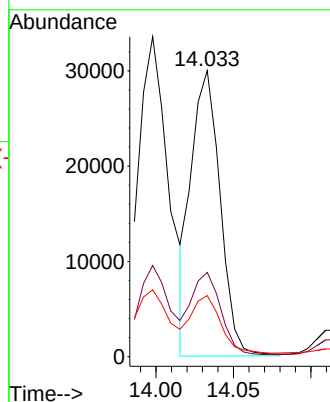
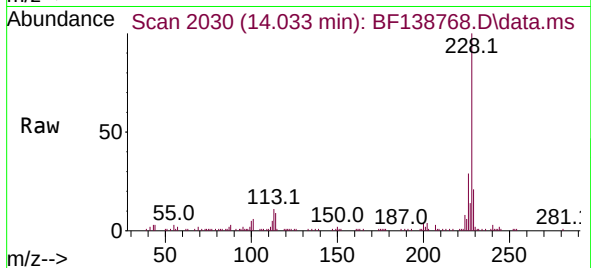
Tgt Ion:228 Resp: 38950

Ion Ratio Lower Upper

228 100

226 29.5 23.7 35.5

229 21.4 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: BF138768.D

Acq: 03 Aug 2024 14:09

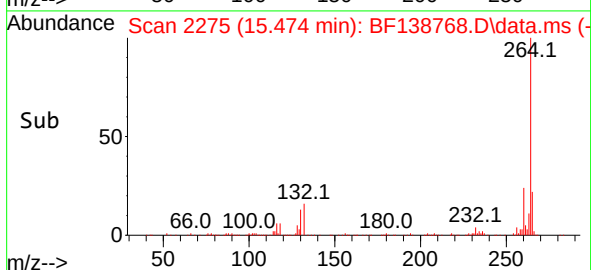
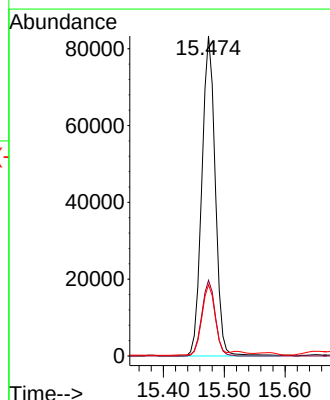
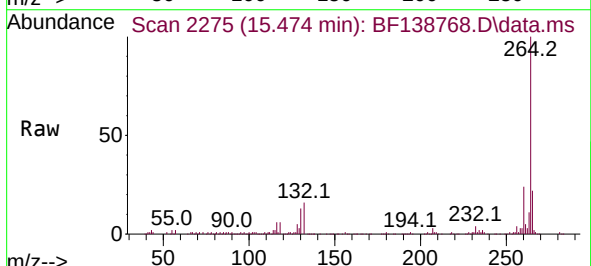
Tgt Ion:264 Resp: 127328

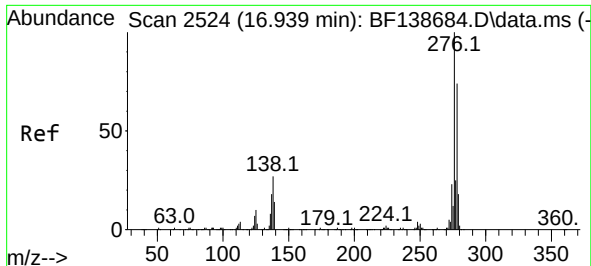
Ion Ratio Lower Upper

264 100

260 23.6 19.0 28.6

265 22.3 17.0 25.6

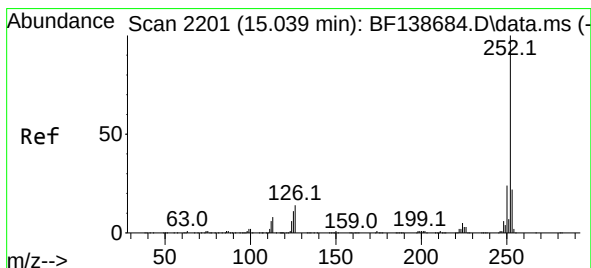
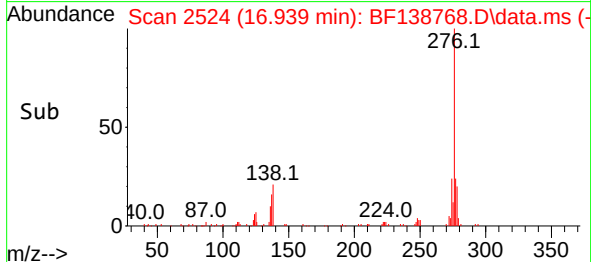
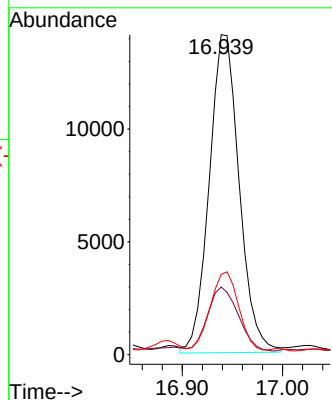
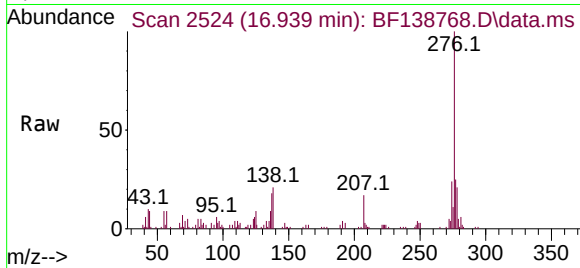




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.213 ng
 RT: 16.939 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BF138768.D
 Acq: 03 Aug 2024 14:09

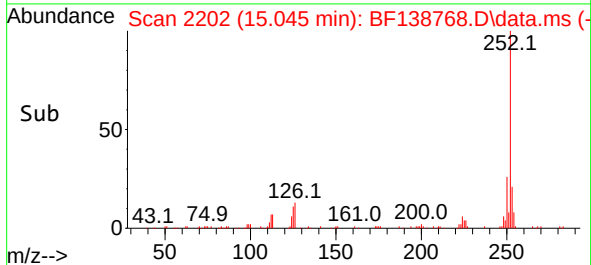
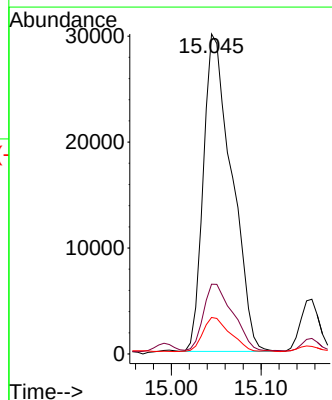
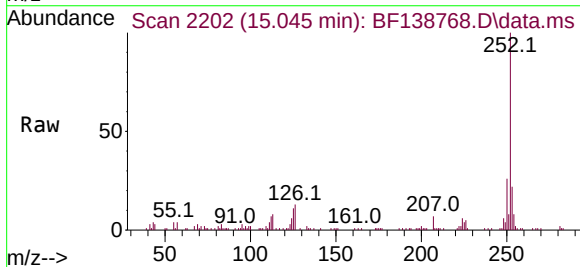
Instrument :
 BNA_F
 ClientSampleId :
 TP4

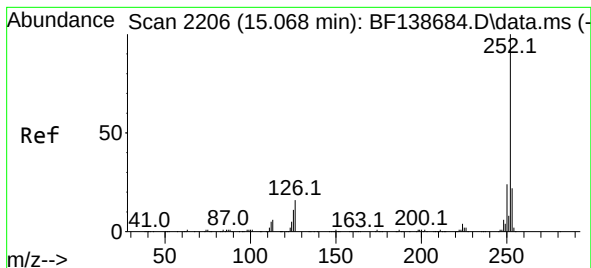
Tgt Ion:276 Resp: 29320
 Ion Ratio Lower Upper
 276 100
 138 20.3 21.8 32.8#
 277 23.3 20.6 30.8



#88
 Benzo(b)fluoranthene
 Concen: 8.338 ng
 RT: 15.045 min Scan# 2202
 Delta R.T. 0.006 min
 Lab File: BF138768.D
 Acq: 03 Aug 2024 14:09

Tgt Ion:252 Resp: 65815
 Ion Ratio Lower Upper
 252 100
 253 21.8 17.5 26.3
 125 11.4 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 9.631 ng

RT: 15.045 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF138768.D

Acq: 03 Aug 2024 14:09

Instrument :

BNA_F

ClientSampleId :

TP4

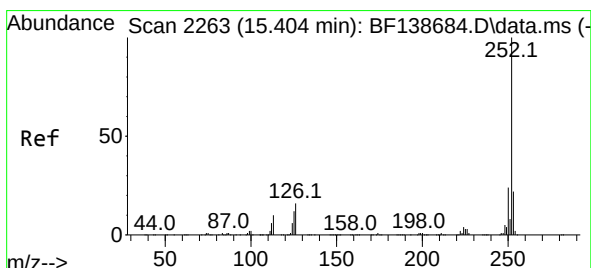
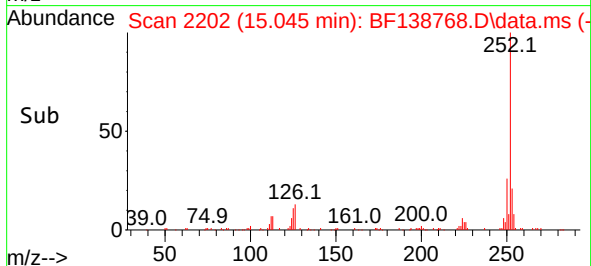
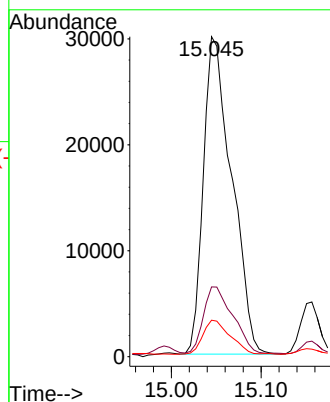
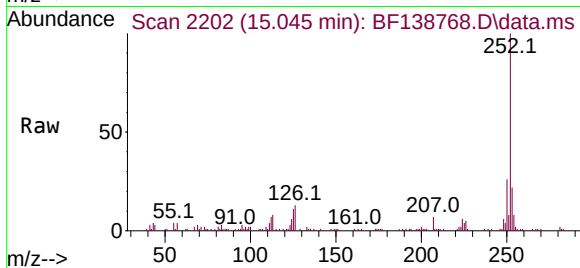
Tgt Ion:252 Resp: 65815

Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.0

125 11.4 8.6 13.0



#90

Benzo(a)pyrene

Concen: 6.427 ng

RT: 15.409 min Scan# 2264

Delta R.T. 0.006 min

Lab File: BF138768.D

Acq: 03 Aug 2024 14:09

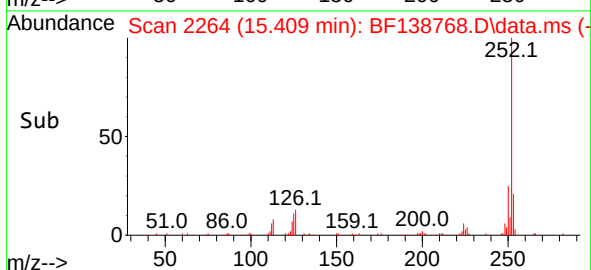
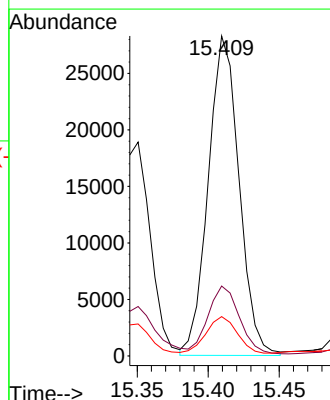
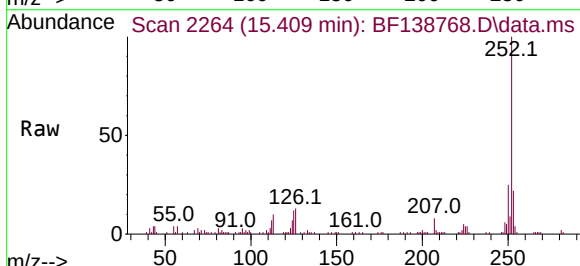
Tgt Ion:252 Resp: 42669

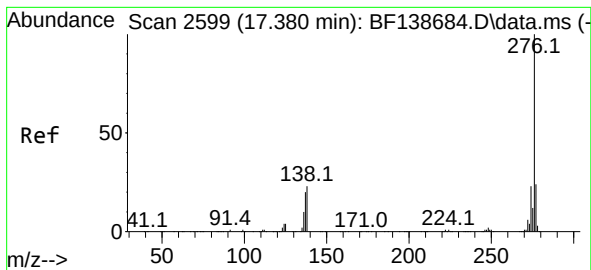
Ion Ratio Lower Upper

252 100

253 21.8 17.3 25.9

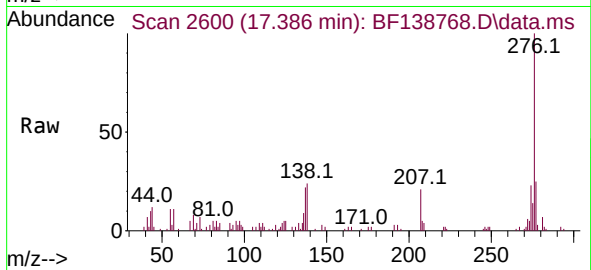
125 12.3 9.5 14.3





#92
 Benzo(g,h,i)perylene
 Concen: 3.657 ng
 RT: 17.386 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: BF138768.D
 Acq: 03 Aug 2024 14:09

Instrument :
 BNA_F
 ClientSampleId :
 TP4



Tgt Ion:	276	Resp:	28428
Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.0	28.4
138	23.8	18.5	27.7

