

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070824\
 Data File : BF138480.D
 Acq On : 08 Jul 2024 14:25
 Operator : CG\JU
 Sample : P3166-01RE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 08 14:46:36 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 29 02:44:30 2024
 Response via : Initial Calibration

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

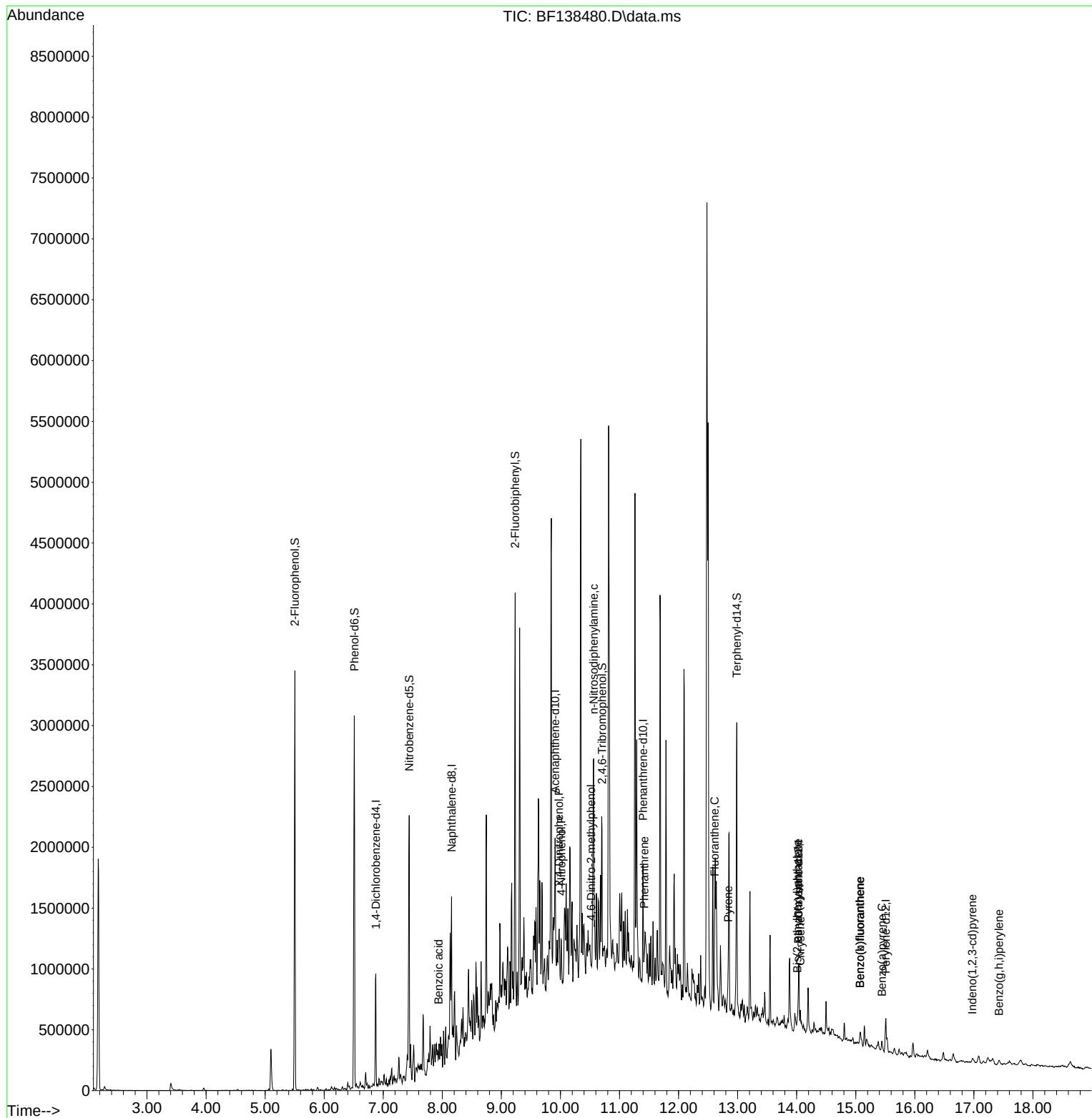
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	124438	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	439564	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	185547	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	255305	20.000	ng	0.00
76) Chrysene-d12	14.033	240	158997	20.000	ng	0.00
86) Perylene-d12	15.509	264	126030	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	795389	105.974	ng	0.00
7) Phenol-d6	6.510	99	1062601	105.097	ng	0.00
23) Nitrobenzene-d5	7.439	82	685754	81.042	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	150056	98.985	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	996405	85.463	ng	0.00
79) Terphenyl-d14	12.986	244	758454	65.372	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	7.939	122	1758	4.469	ng	# 10
54) 2,4-Dinitrophenol	9.975	184	206	9.093	ng	# 1
56) 4-Nitrophenol	10.016	139	3768	2.203	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.522	198	579	6.172	ng	# 1
66) n-Nitrosodiphenylamine	10.563	169	25148	3.173	ng	# 63
71) Phenanthrene	11.422	178	43429	3.484	ng	# 94
75) Fluoranthene	12.610	202	133032	11.904	ng	100
78) Pyrene	12.839	202	135596	7.979	ng	97
81) Benzo(a)anthracene	14.027	228	54004	5.277	ng	# 90
83) Chrysene	14.063	228	59217	5.947	ng	# 92
84) Bis(2-ethylhexyl)phtha...	14.010	149	19320	2.979	ng	# 94
87) Indeno(1,2,3-cd)pyrene	16.974	276	29043	4.586	ng	100
88) Benzo(b)fluoranthene	15.074	252	76941	11.127	ng	# 91
89) Benzo(k)fluoranthene	15.074	252	76941	12.080	ng	# 92
90) Benzo(a)pyrene	15.445	252	38250	6.311	ng	# 92
92) Benzo(g,h,i)perylene	17.427	276	28230	5.645	ng	# 94

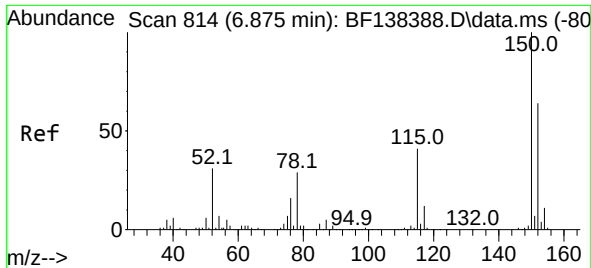
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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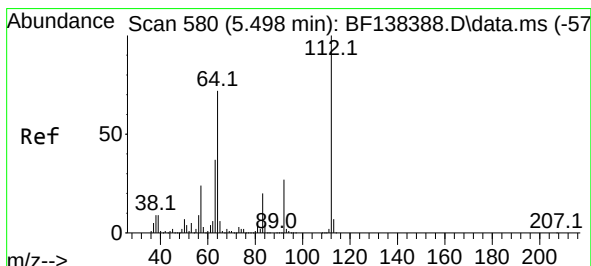
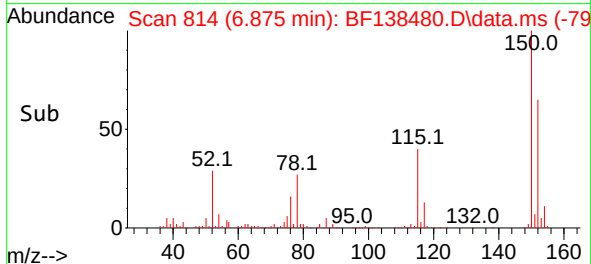
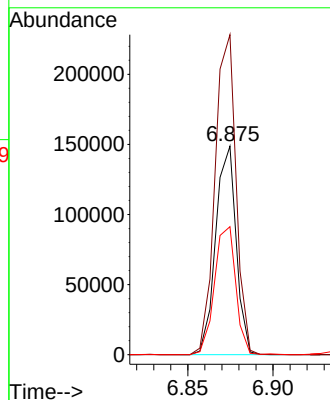
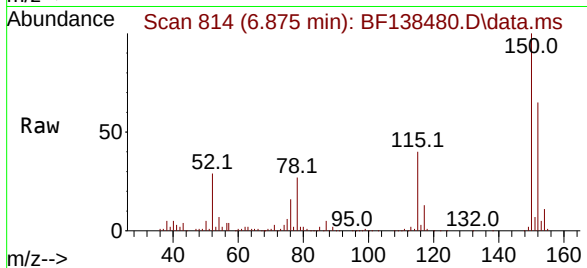




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF138480.D
Acq: 08 Jul 2024 14:25

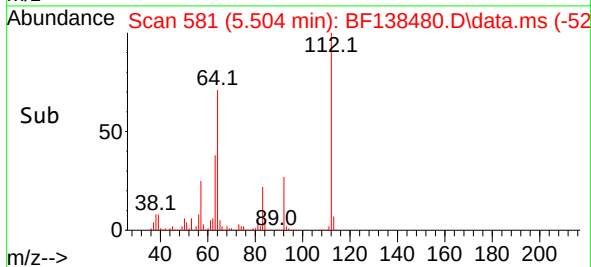
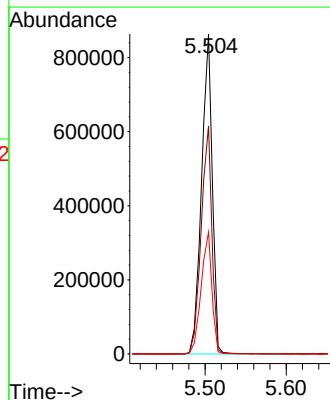
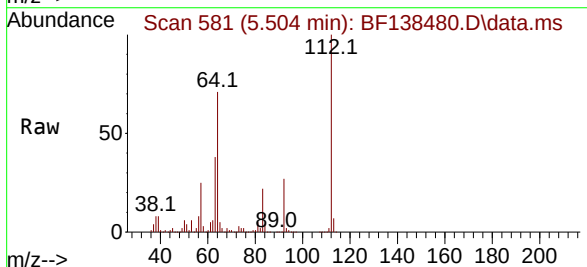
Instrument :
BNA_F
ClientSampleId :

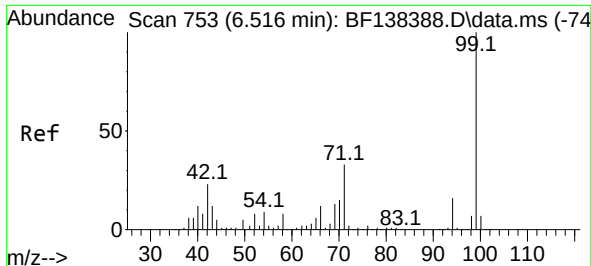
Tgt Ion:152 Resp: 124438
Ion Ratio Lower Upper
152 100
150 153.5 124.9 187.3
115 61.4 50.8 76.2



#5
2-Fluorophenol
Concen: 105.974 ng
RT: 5.504 min Scan# 581
Delta R.T. 0.006 min
Lab File: BF138480.D
Acq: 08 Jul 2024 14:25

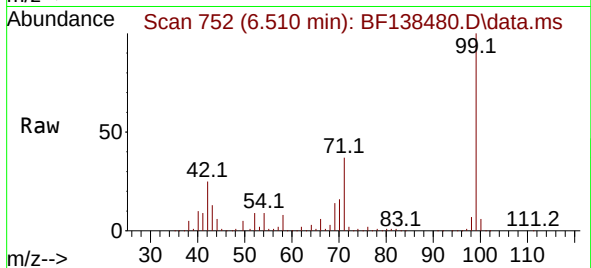
Tgt Ion:112 Resp: 795389
Ion Ratio Lower Upper
112 100
64 71.2 57.2 85.8
63 38.1 29.4 44.0





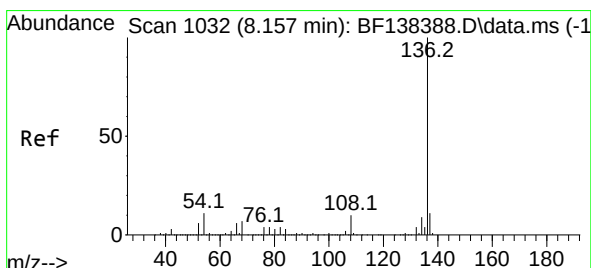
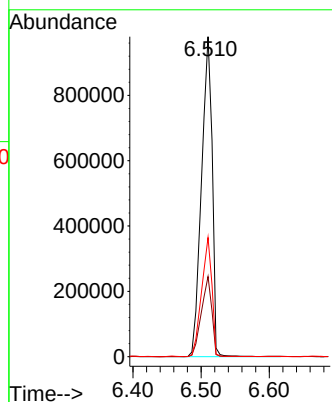
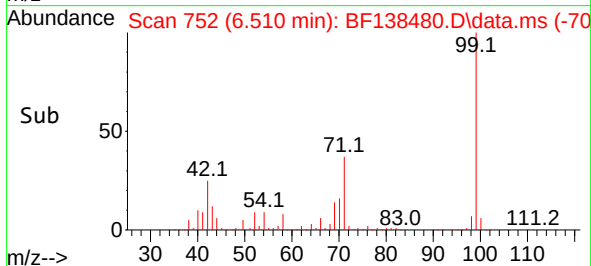
#7
Phenol-d6
Concen: 105.097 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF138480.D
Acq: 08 Jul 2024 14:25

Instrument :
BNA_F
ClientSampleId :



Tgt Ion: 99 Resp: 1062601

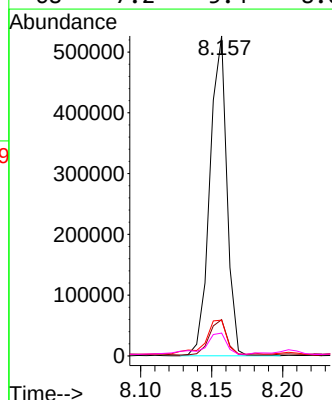
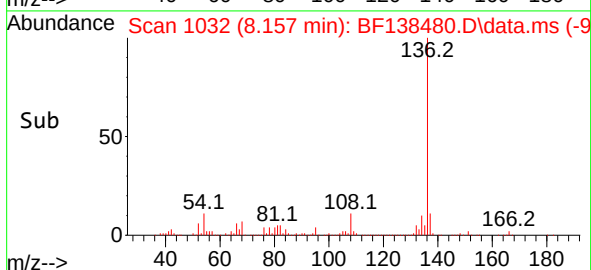
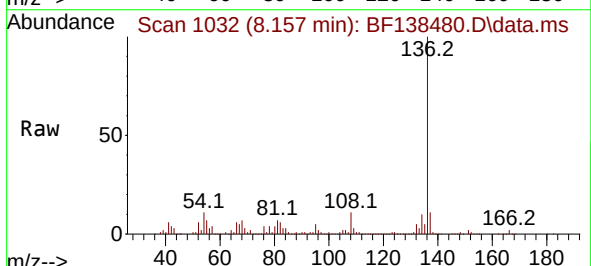
Ion	Ratio	Lower	Upper
99	100		
42	25.1	18.5	27.7
71	37.2	26.1	39.1

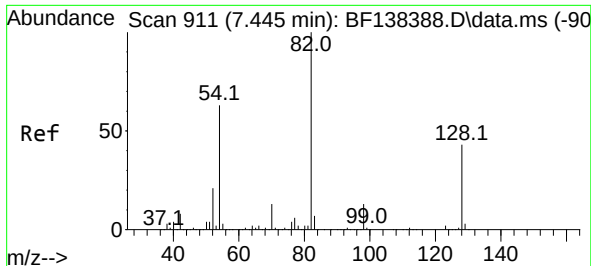


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1032
Delta R.T. 0.000 min
Lab File: BF138480.D
Acq: 08 Jul 2024 14:25

Tgt Ion:136 Resp: 439564

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	11.2	9.0	13.4
68	7.2	5.4	8.0

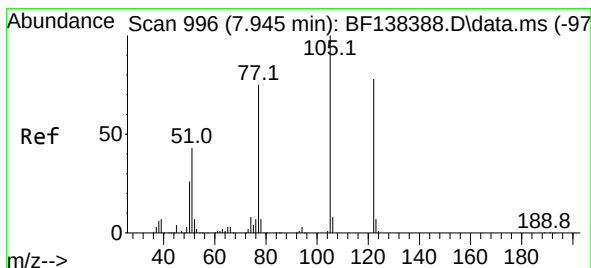
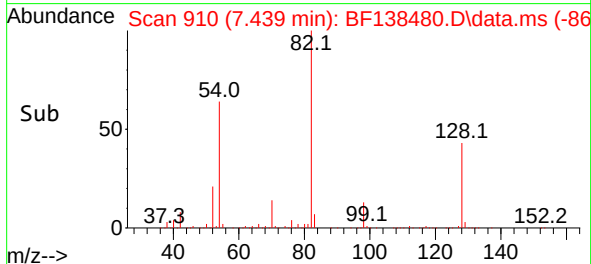
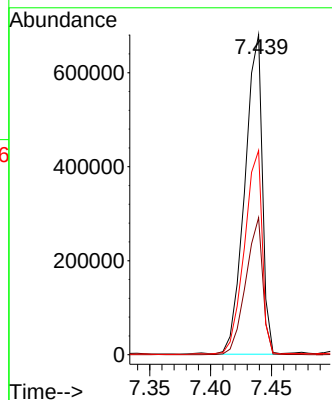
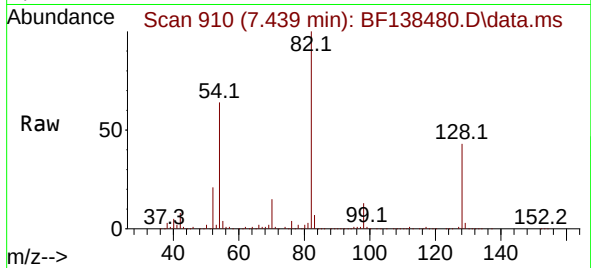




#23
Nitrobenzene-d5
Concen: 81.042 ng
RT: 7.439 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF138480.D
Acq: 08 Jul 2024 14:25

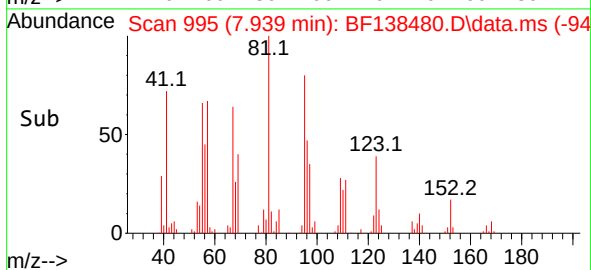
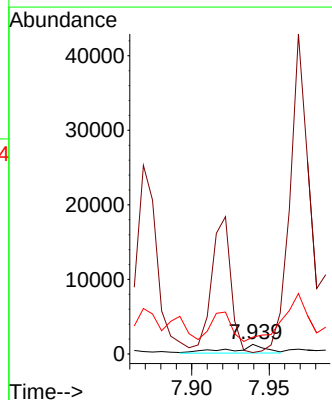
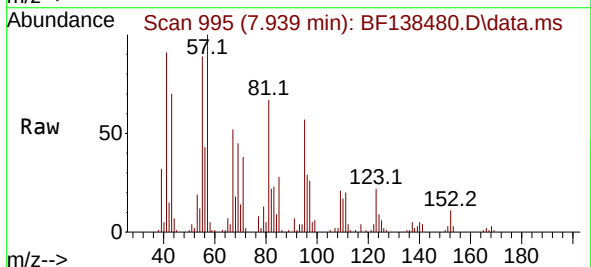
Instrument :
BNA_F
ClientSampleId :

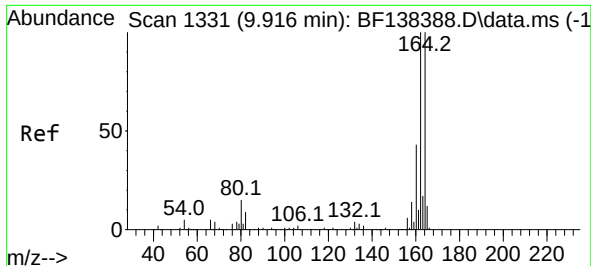
Tgt Ion: 82 Resp: 685754
Ion Ratio Lower Upper
82 100
128 42.8 34.6 52.0
54 63.8 50.5 75.7



#32
Benzoic acid
Concen: 4.469 ng
RT: 7.939 min Scan# 995
Delta R.T. -0.006 min
Lab File: BF138480.D
Acq: 08 Jul 2024 14:25

Tgt Ion:122 Resp: 1758
Ion Ratio Lower Upper
122 100
105 15.6 103.8 143.8#
77 173.5 74.3 114.3#

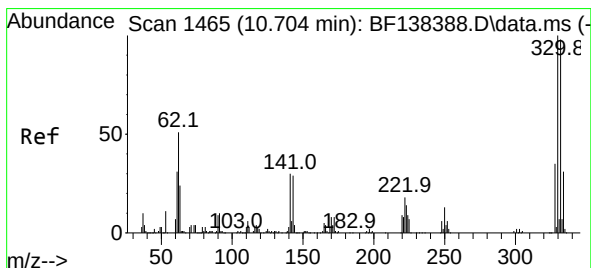
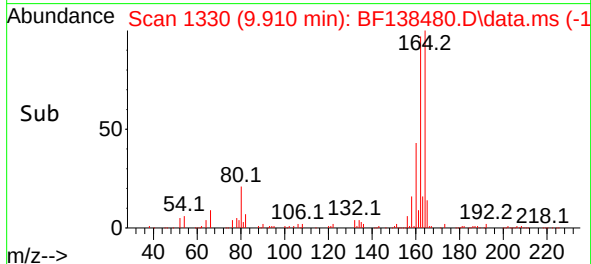
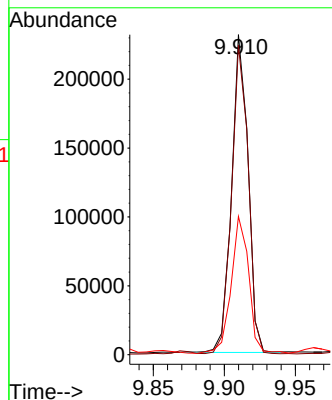
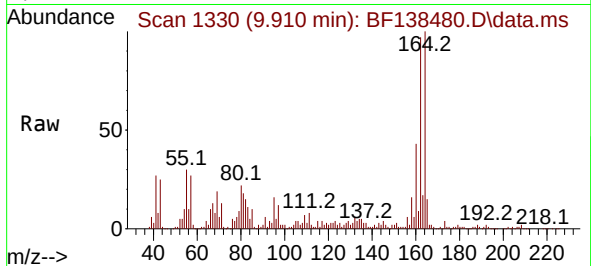




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138480.D
Acq: 08 Jul 2024 14:25

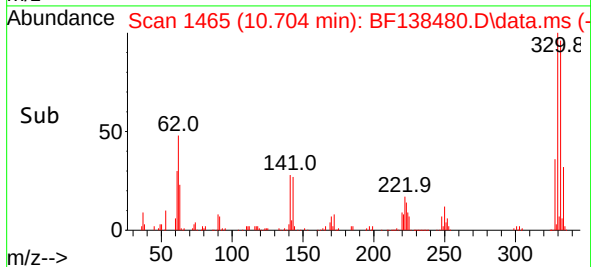
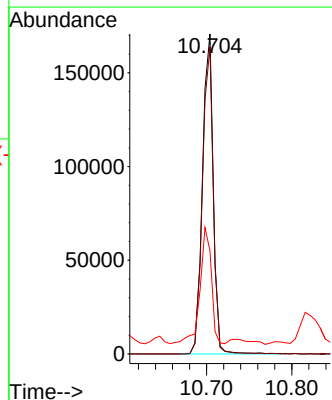
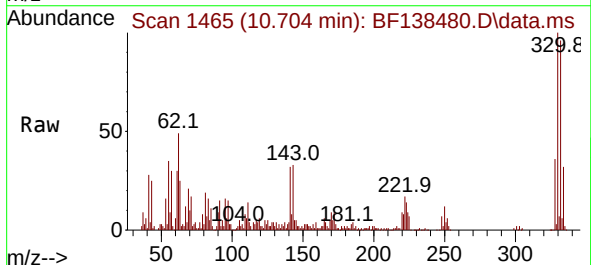
Instrument :
BNA_F
ClientSampleId :

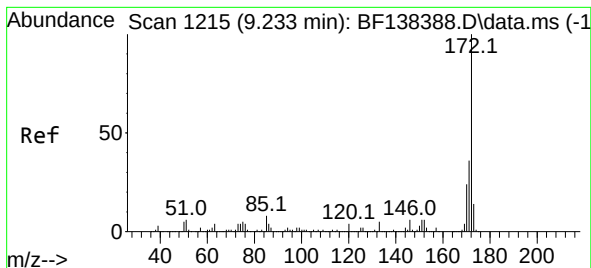
Tgt Ion:164 Resp: 185547
Ion Ratio Lower Upper
164 100
162 96.7 80.1 120.1
160 43.2 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 98.985 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.000 min
Lab File: BF138480.D
Acq: 08 Jul 2024 14:25

Tgt Ion:330 Resp: 150056
Ion Ratio Lower Upper
330 100
332 96.3 77.0 115.6
141 38.7 28.1 42.1





#45

2-Fluorobiphenyl

Concen: 85.463 ng

RT: 9.233 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF138480.D

Acq: 08 Jul 2024 14:25

Instrument :

BNA_F

ClientSampleId :

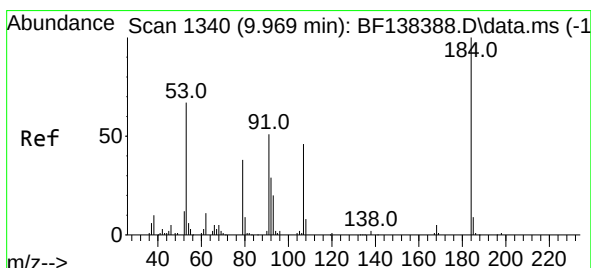
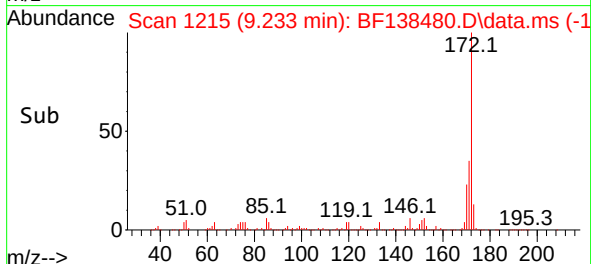
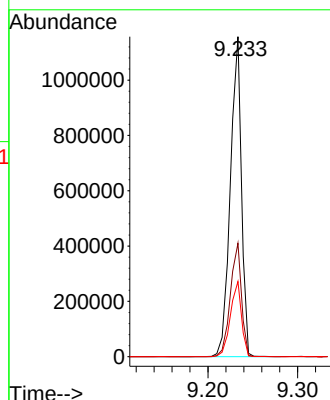
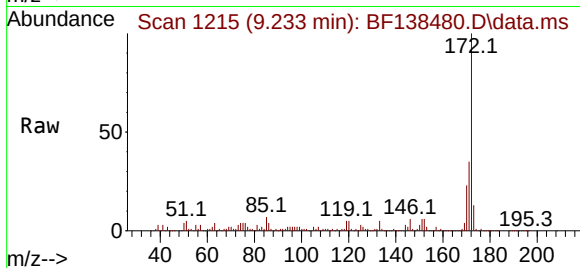
Tgt Ion:172 Resp: 996405

Ion Ratio Lower Upper

172 100

171 35.5 29.0 43.4

170 23.5 19.0 28.6



#54

2,4-Dinitrophenol

Concen: 9.093 ng

RT: 9.975 min Scan# 1341

Delta R.T. 0.006 min

Lab File: BF138480.D

Acq: 08 Jul 2024 14:25

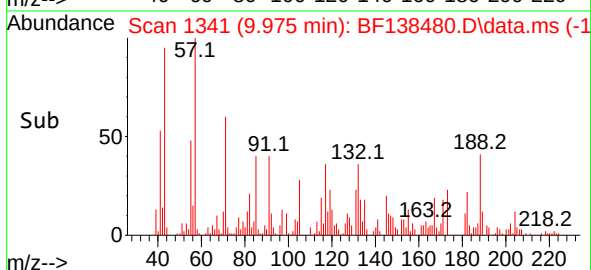
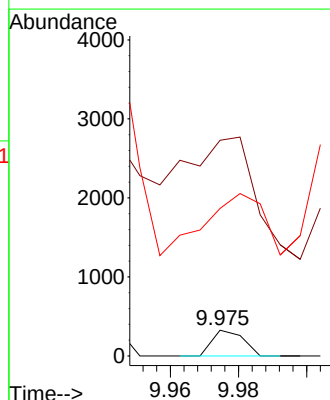
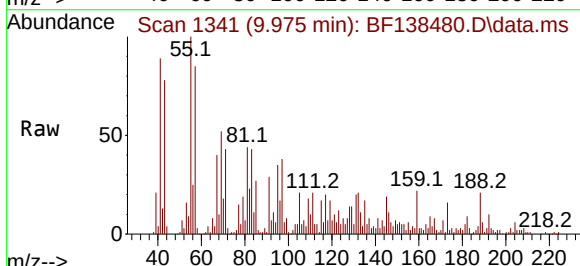
Tgt Ion:184 Resp: 206

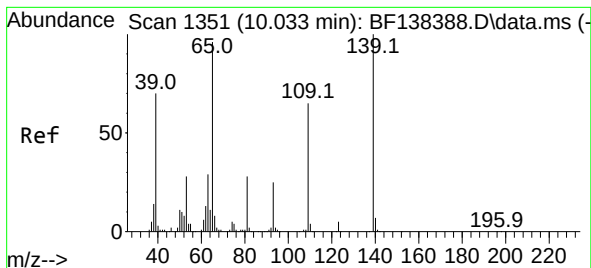
Ion Ratio Lower Upper

184 100

63 840.0 67.3 100.9#

154 574.2 51.0 76.4#

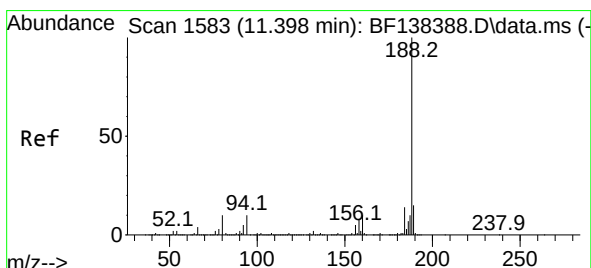
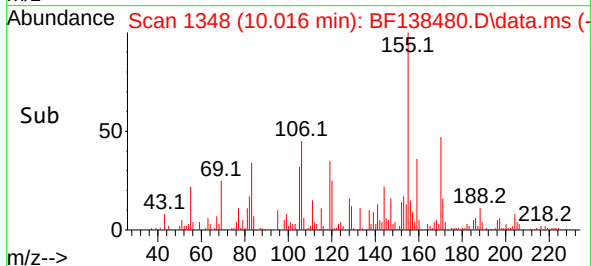
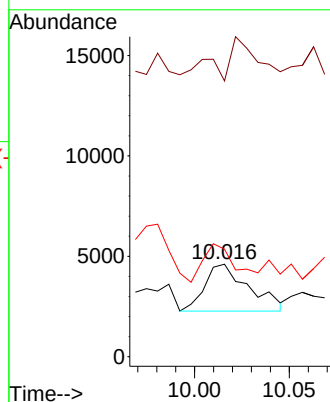
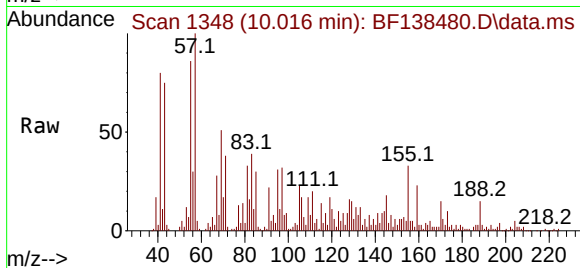




#56
4-Nitrophenol
Concen: 2.203 ng
RT: 10.016 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF138480.D
Acq: 08 Jul 2024 14:25

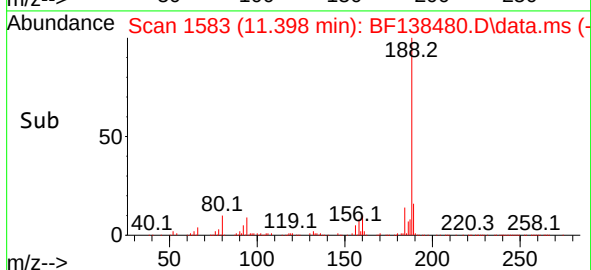
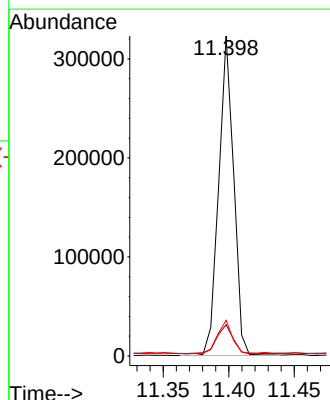
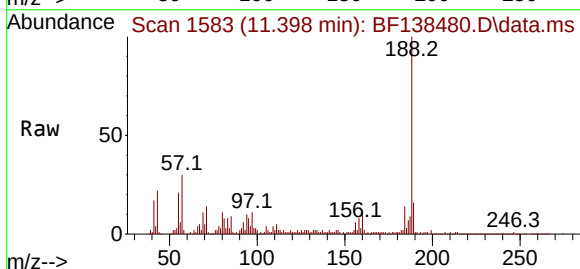
Instrument :
BNA_F
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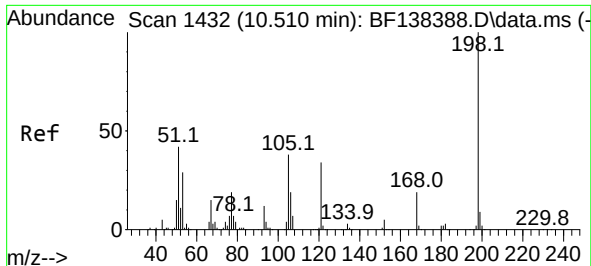
Tgt Ion:139 Resp: 3768
Ion Ratio Lower Upper
139 100
109 298.1 44.6 84.6#
65 116.3 75.9 115.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BF138480.D
Acq: 08 Jul 2024 14:25

Tgt Ion:188 Resp: 255305
Ion Ratio Lower Upper
188 100
94 9.8 8.0 12.0
80 11.2 8.2 12.4

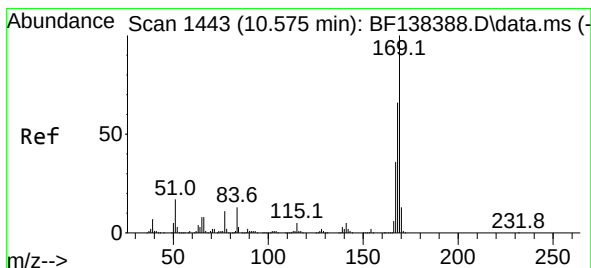
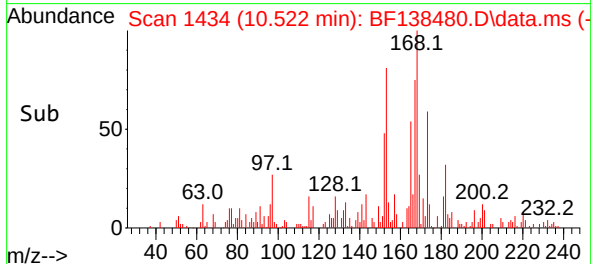
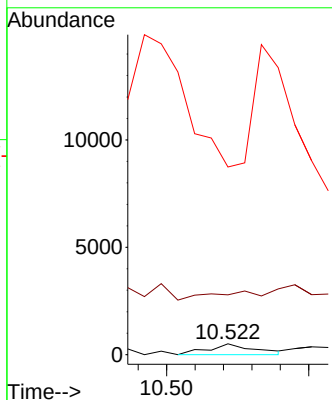
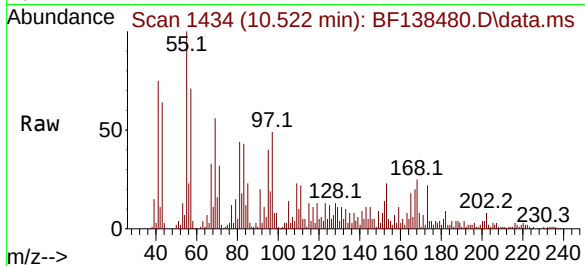




#65
4,6-Dinitro-2-methylphenol
Concen: 6.172 ng
RT: 10.522 min Scan# 1440
Delta R.T. 0.012 min
Lab File: BF138480.D
Acq: 08 Jul 2024 14:25

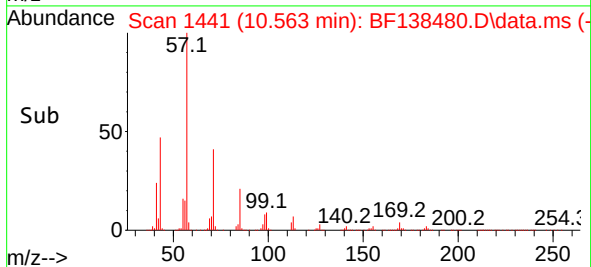
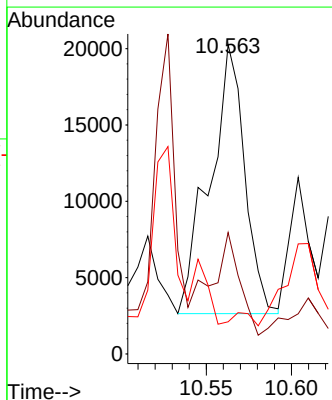
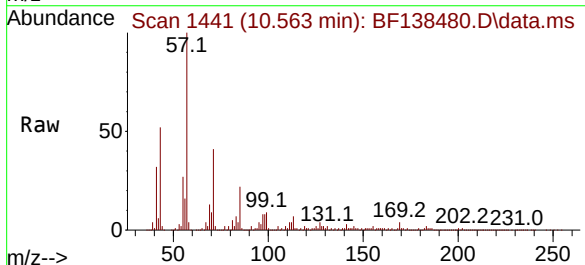
Instrument :
BNA_F
ClientSampleId :

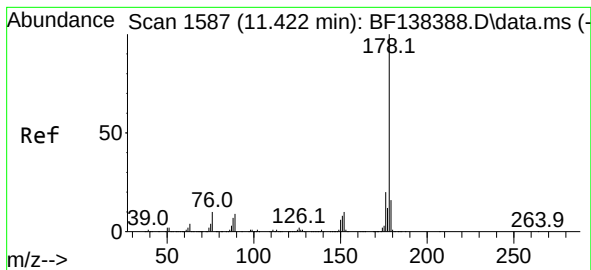
Tgt Ion:198 Resp: 579
Ion Ratio Lower Upper
198 100
51 548.1 27.9 67.9#
105 1717.1 18.2 58.2#



#66
n-Nitrosodiphenylamine
Concen: 3.173 ng
RT: 10.563 min Scan# 1441
Delta R.T. -0.012 min
Lab File: BF138480.D
Acq: 08 Jul 2024 14:25

Tgt Ion:169 Resp: 25148
Ion Ratio Lower Upper
169 100
168 39.2 52.5 78.7#
167 10.4 28.8 43.2#





#71

Phenanthrene

Concen: 3.484 ng

RT: 11.422 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF138480.D

Acq: 08 Jul 2024 14:25

Instrument :

BNA_F

ClientSampleId :

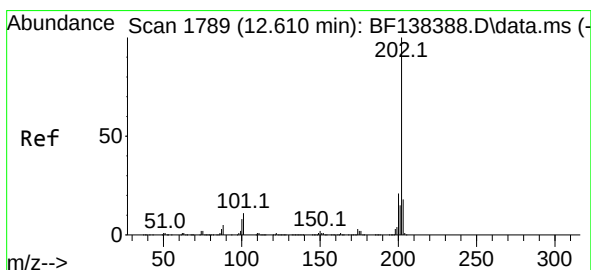
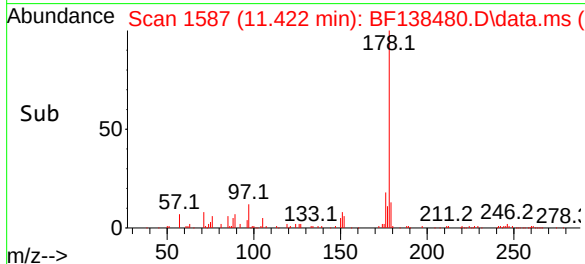
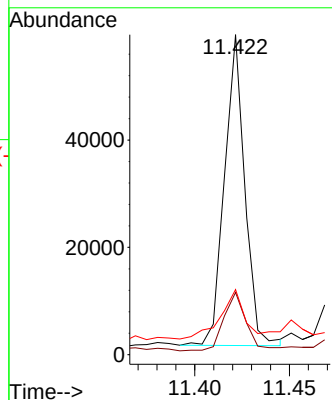
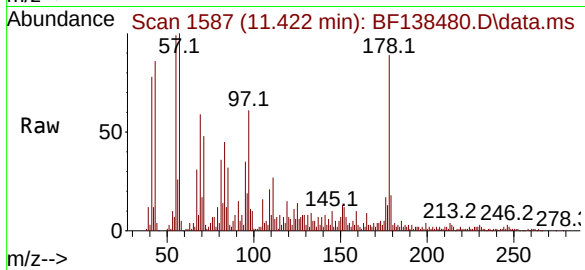
Tgt Ion:178 Resp: 43429

Ion Ratio Lower Upper

178 100

176 19.4 16.1 24.1

179 20.4 12.6 18.8#



#75

Fluoranthene

Concen: 11.904 ng

RT: 12.610 min Scan# 1789

Delta R.T. 0.000 min

Lab File: BF138480.D

Acq: 08 Jul 2024 14:25

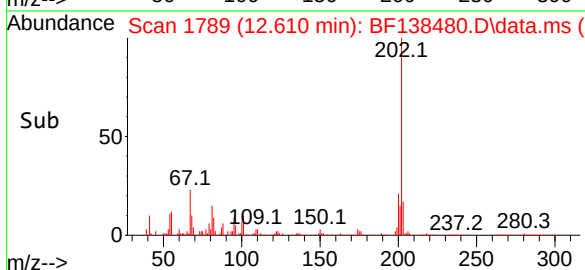
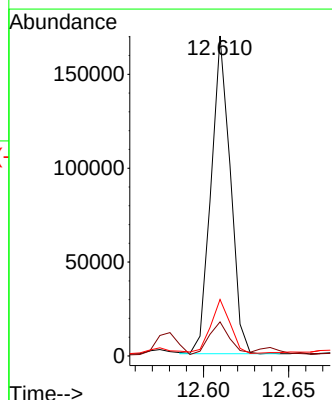
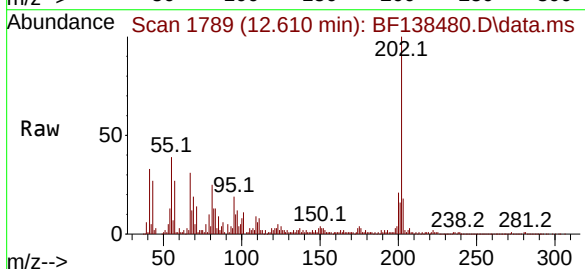
Tgt Ion:202 Resp: 133032

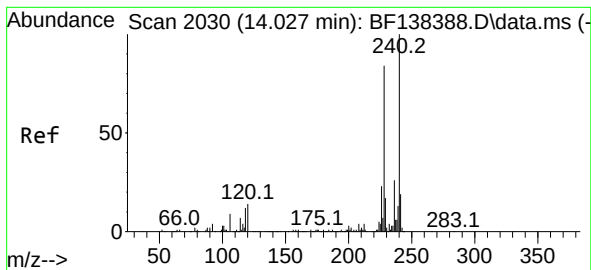
Ion Ratio Lower Upper

202 100

101 10.7 0.0 30.5

203 17.7 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2031

Delta R.T. 0.006 min

Lab File: BF138480.D

Acq: 08 Jul 2024 14:25

Instrument :

BNA_F

ClientSampleId :

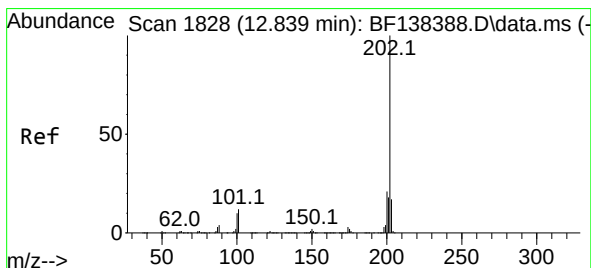
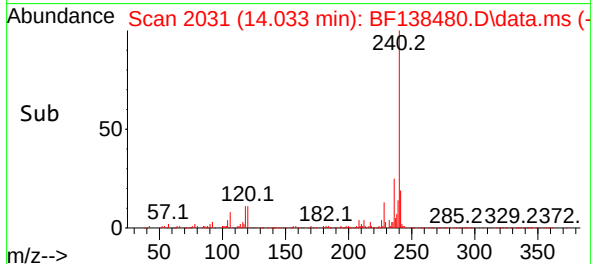
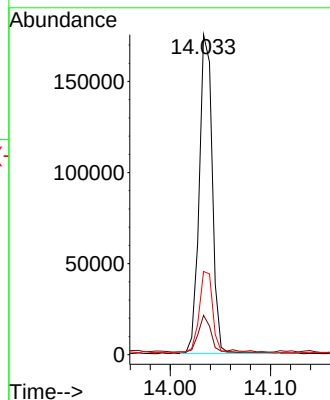
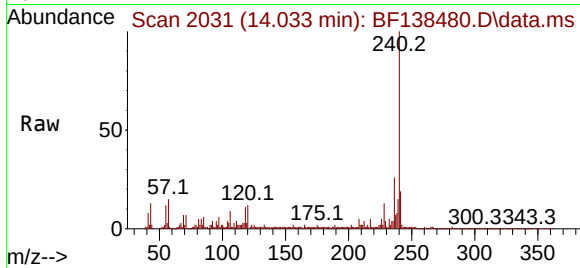
Tgt Ion:240 Resp: 158997

Ion Ratio Lower Upper

240 100

120 12.3 10.9 16.3

236 26.0 20.6 30.8



#78

Pyrene

Concen: 7.979 ng

RT: 12.839 min Scan# 1828

Delta R.T. 0.000 min

Lab File: BF138480.D

Acq: 08 Jul 2024 14:25

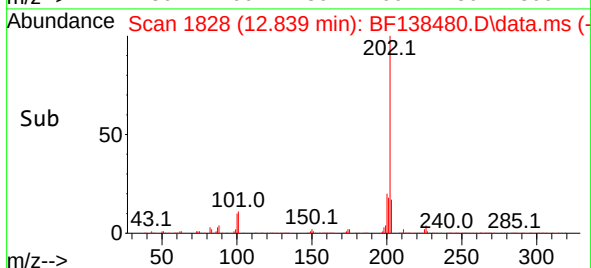
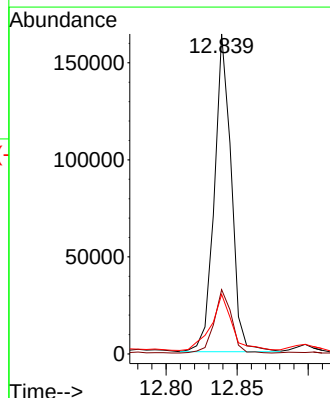
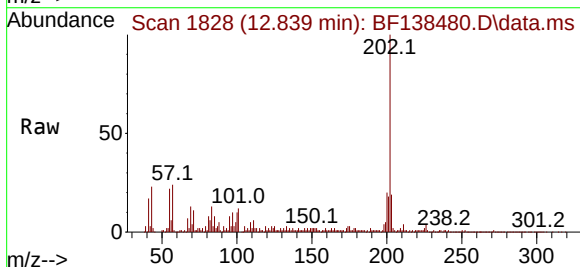
Tgt Ion:202 Resp: 135596

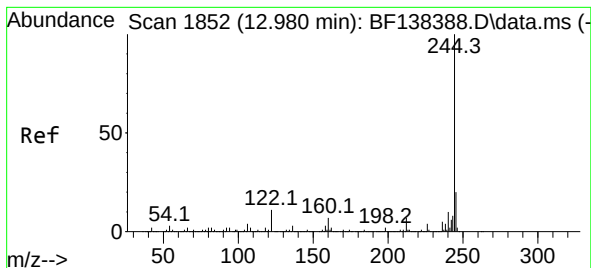
Ion Ratio Lower Upper

202 100

200 20.1 16.9 25.3

203 18.6 13.8 20.8





#79

Terphenyl-d14

Concen: 65.372 ng

RT: 12.986 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF138480.D

Acq: 08 Jul 2024 14:25

Instrument :

BNA_F

ClientSampleId :

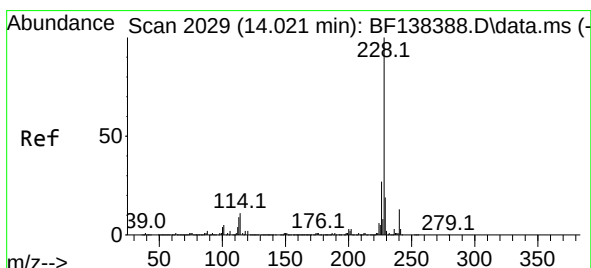
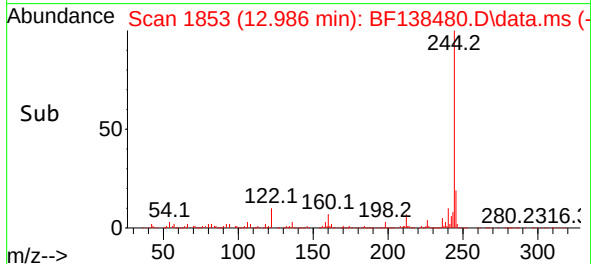
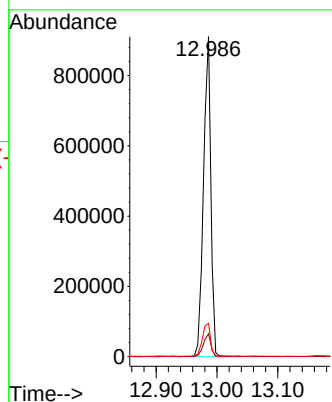
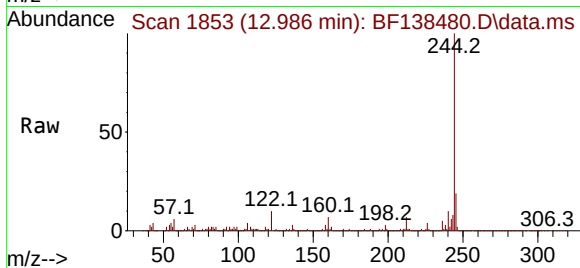
Tgt Ion:244 Resp: 758454

Ion Ratio Lower Upper

244 100

212 7.2 5.6 8.4

122 10.5 9.0 13.4



#81

Benzo(a)anthracene

Concen: 5.277 ng

RT: 14.027 min Scan# 2030

Delta R.T. 0.006 min

Lab File: BF138480.D

Acq: 08 Jul 2024 14:25

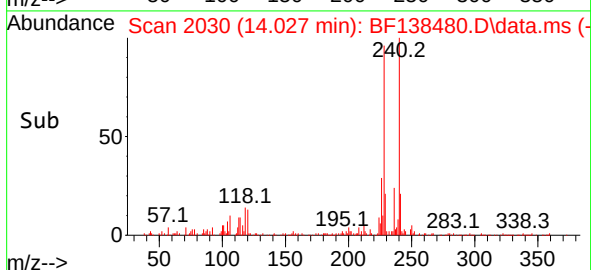
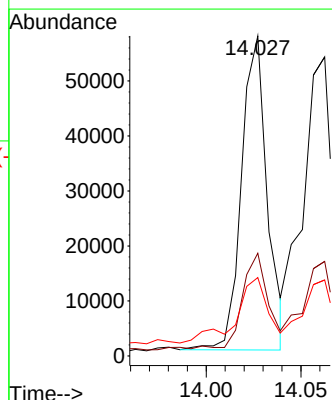
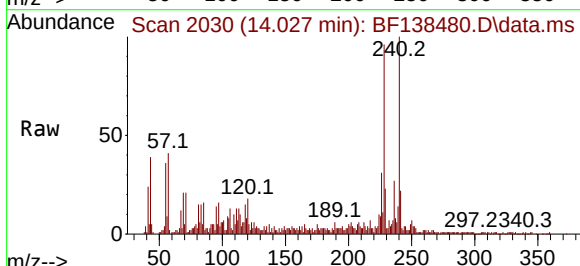
Tgt Ion:228 Resp: 54004

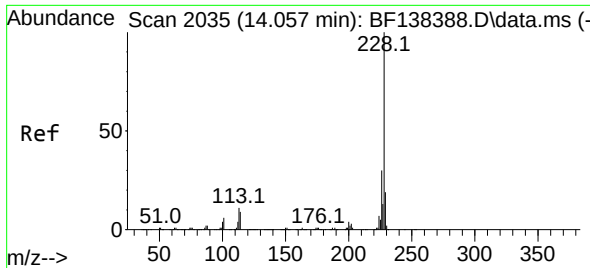
Ion Ratio Lower Upper

228 100

226 32.1 21.7 32.5

229 24.5 15.5 23.3#





#83

Chrysene

Concen: 5.947 ng

RT: 14.063 min Scan# 2035

Delta R.T. 0.006 min

Lab File: BF138480.D

Acq: 08 Jul 2024 14:25

Instrument :

BNA_F

ClientSampleId :

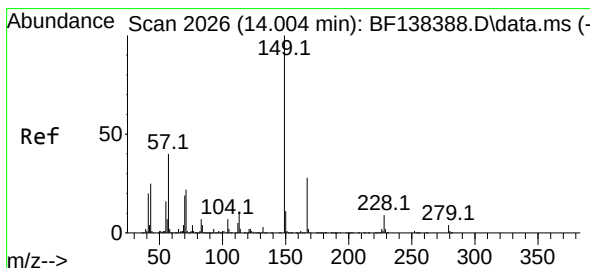
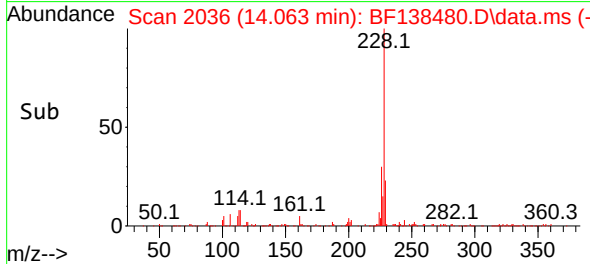
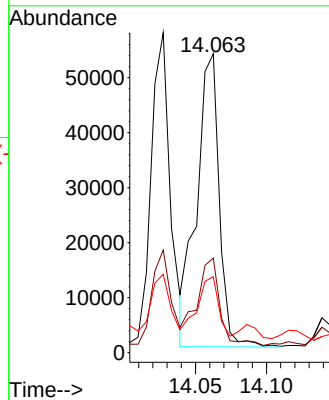
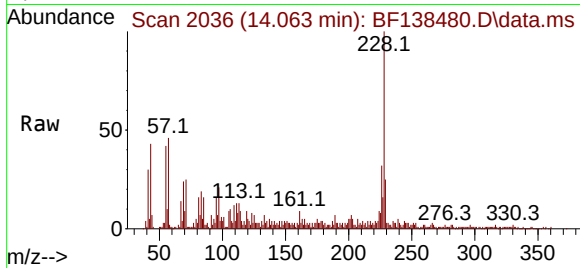
Tgt Ion:228 Resp: 59217

Ion Ratio Lower Upper

228 100

226 31.7 23.8 35.6

229 25.4 15.2 22.8#



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.979 ng

RT: 14.010 min Scan# 2027

Delta R.T. 0.006 min

Lab File: BF138480.D

Acq: 08 Jul 2024 14:25

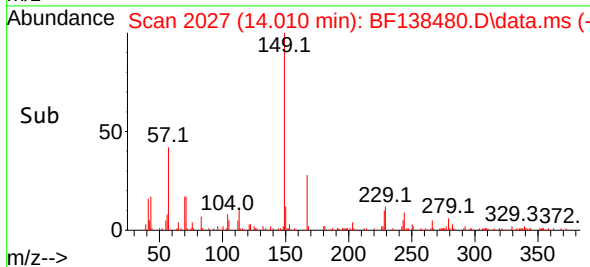
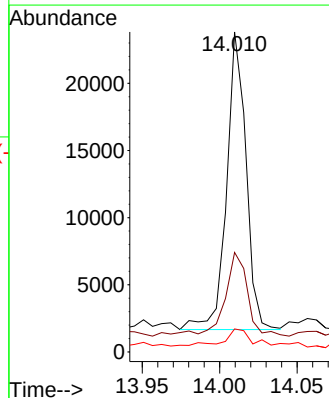
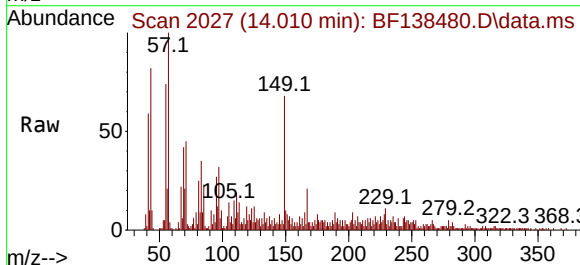
Tgt Ion:149 Resp: 19320

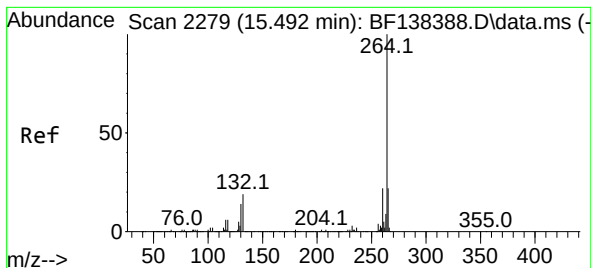
Ion Ratio Lower Upper

149 100

167 31.1 22.6 33.8

279 7.2 3.2 4.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.509 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF138480.D

Acq: 08 Jul 2024 14:25

Instrument :

BNA_F

ClientSampleId :

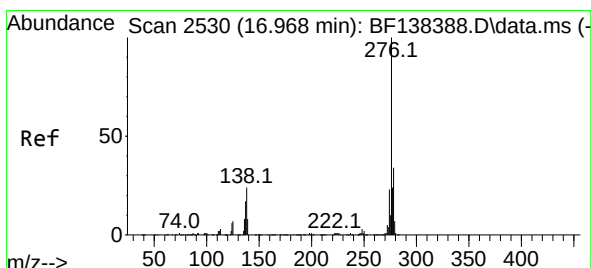
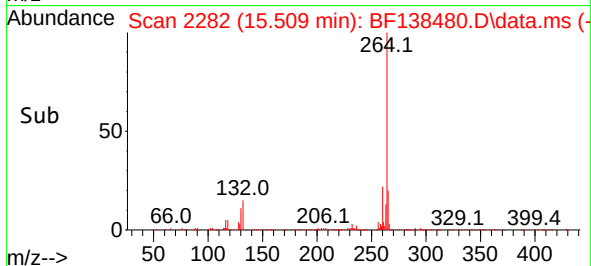
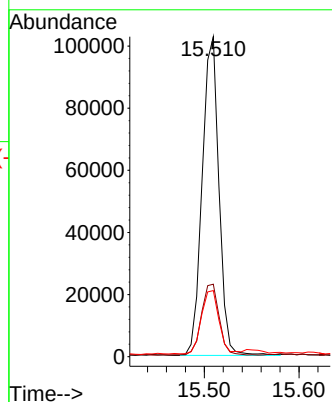
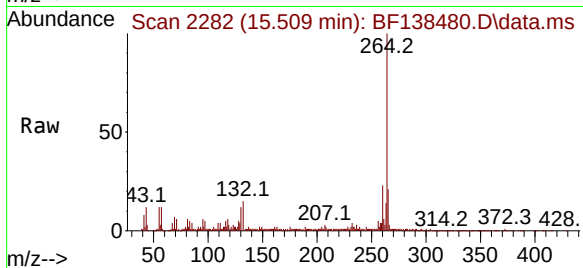
Tgt Ion:264 Resp: 126030

Ion Ratio Lower Upper

264 100

260 22.7 17.8 26.6

265 20.6 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.586 ng

RT: 16.974 min Scan# 2531

Delta R.T. 0.006 min

Lab File: BF138480.D

Acq: 08 Jul 2024 14:25

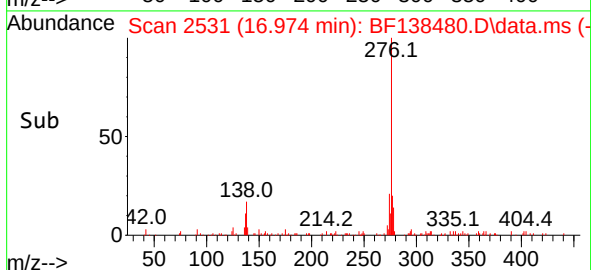
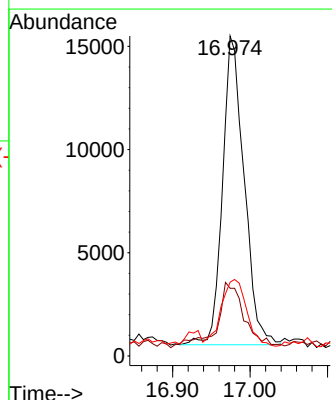
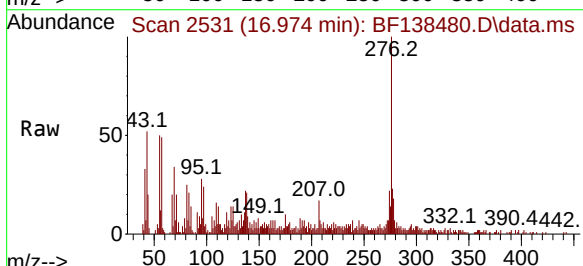
Tgt Ion:276 Resp: 29043

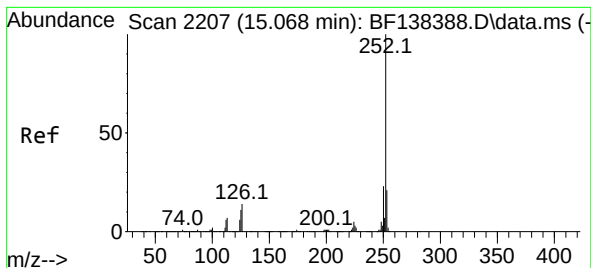
Ion Ratio Lower Upper

276 100

138 27.1 22.1 33.1

277 25.5 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 11.127 ng

RT: 15.074 min Scan# 2208

Delta R.T. 0.006 min

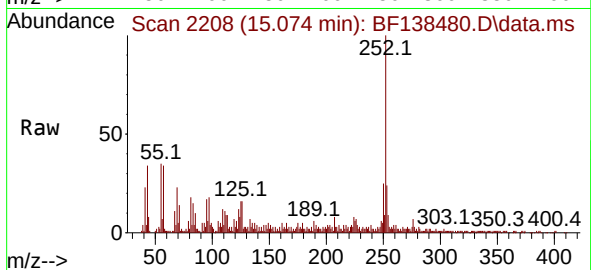
Lab File: BF138480.D

Acq: 08 Jul 2024 14:25

Instrument :

BNA_F

ClientSampleId :



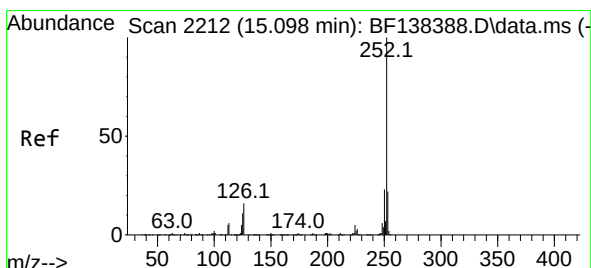
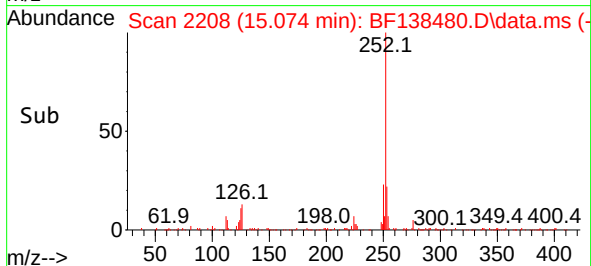
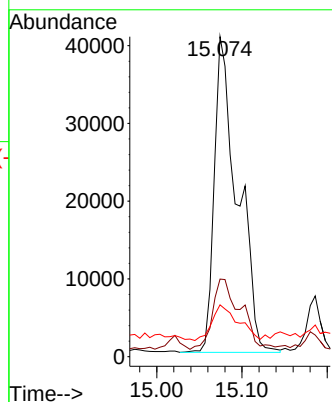
Tgt Ion:252 Resp: 76941

Ion Ratio Lower Upper

252 100

253 24.2 17.0 25.4

125 16.2 8.6 12.8#



#89

Benzo(k)fluoranthene

Concen: 12.080 ng

RT: 15.074 min Scan# 2208

Delta R.T. -0.024 min

Lab File: BF138480.D

Acq: 08 Jul 2024 14:25

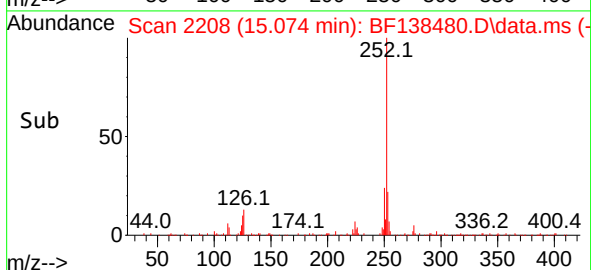
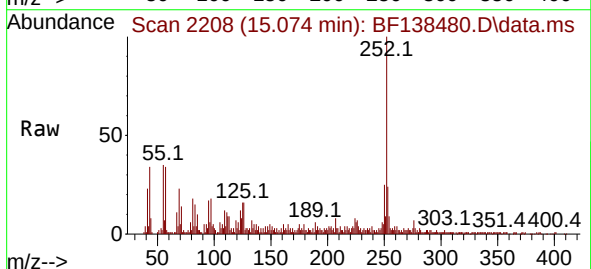
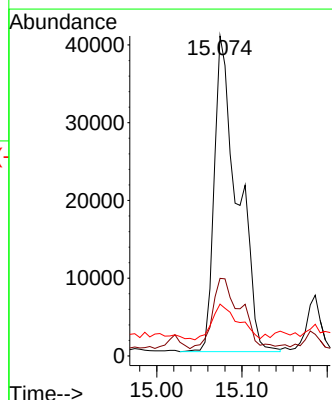
Tgt Ion:252 Resp: 76941

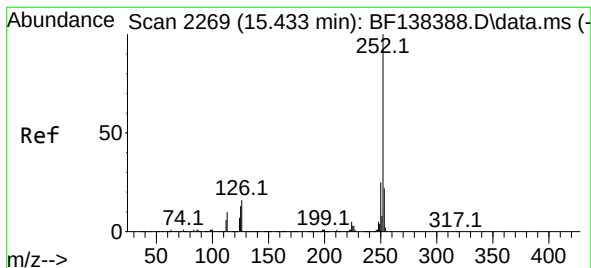
Ion Ratio Lower Upper

252 100

253 24.2 17.4 26.2

125 16.2 8.7 13.1#





#90

Benzo(a)pyrene

Concen: 6.311 ng

RT: 15.445 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF138480.D

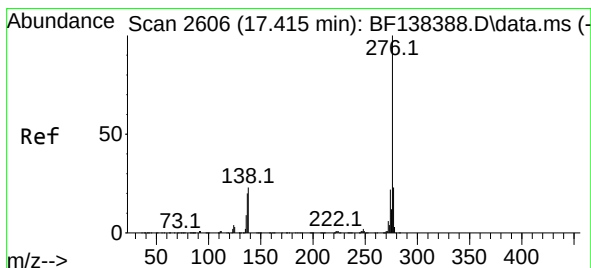
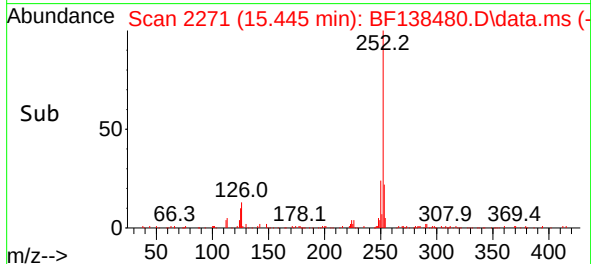
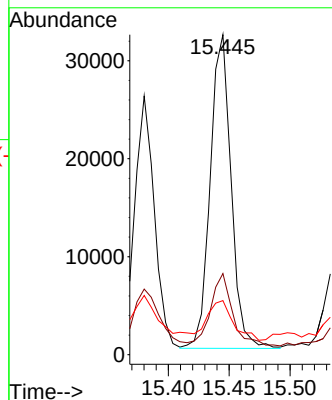
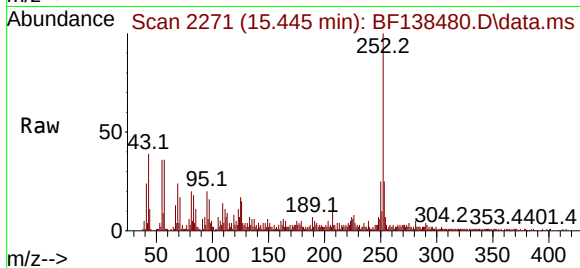
Acq: 08 Jul 2024 14:25

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:	252	Resp:	38250
Ion Ratio	Lower	Upper	
252	100		
253	25.4	17.6	26.4
125	16.9	10.2	15.2#



#92

Benzo(g,h,i)perylene

Concen: 5.645 ng

RT: 17.427 min Scan# 2608

Delta R.T. 0.012 min

Lab File: BF138480.D

Acq: 08 Jul 2024 14:25

Tgt Ion:	276	Resp:	28230
Ion Ratio	Lower	Upper	
276	100		
277	22.6	18.3	27.5
138	28.2	18.3	27.5#

