

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053024\
 Data File : BF138081.D
 Acq On : 30 May 2024 17:51
 Operator : CG\JU
 Sample : P2654-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-052924

Quant Time: May 31 01:49:21 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 15 04:12:16 2024
 Response via : Initial Calibration

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

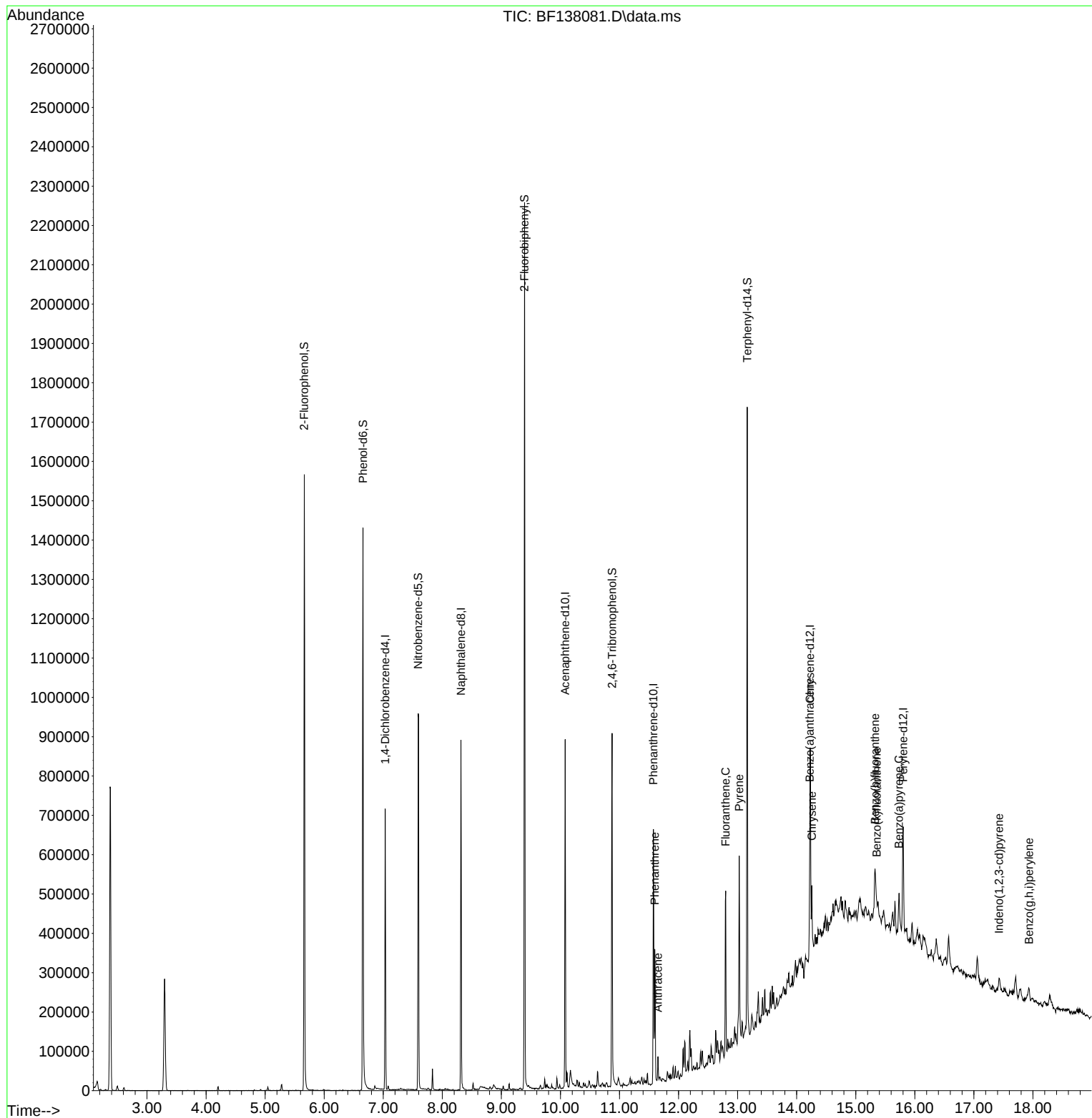
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.034	152	97393	20.000	ng	-0.01
21) Naphthalene-d8	8.316	136	363026	20.000	ng	-0.01
39) Acenaphthene-d10	10.080	164	174915	20.000	ng	0.00
64) Phenanthrene-d10	11.574	188	234857	20.000	ng	0.00
76) Chrysene-d12	14.227	240	174305	20.000	ng	0.00
86) Perylene-d12	15.804	264	136061	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.663	112	446601	77.892	ng	0.00
7) Phenol-d6	6.657	99	517751	73.306	ng	0.00
23) Nitrobenzene-d5	7.592	82	322717	52.316	ng	-0.02
42) 2,4,6-Tribromophenol	10.874	330	124156	70.397	ng	0.00
45) 2-Fluorobiphenyl	9.392	172	634751	55.899	ng	0.00
79) Terphenyl-d14	13.163	244	511302	43.232	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.598	178	125705	10.861	ng	99
72) Anthracene	11.651	178	23396m	2.037	ng	
75) Fluoranthene	12.798	202	171738	14.619	ng	97
78) Pyrene	13.027	202	178207	11.689	ng	99
81) Benzo(a)anthracene	14.221	228	63573	5.765	ng	# 88
83) Chrysene	14.257	228	75623	7.170	ng	# 95
87) Indeno(1,2,3-cd)pyrene	17.427	276	25230	2.886	ng	95
88) Benzo(b)fluoranthene	15.327	252	58043m	7.368	ng	
89) Benzo(k)fluoranthene	15.357	252	20823m	2.691	ng	
90) Benzo(a)pyrene	15.733	252	44049	6.548	ng	# 90
92) Benzo(g,h,i)perylene	17.933	276	30435	4.011	ng	# 93

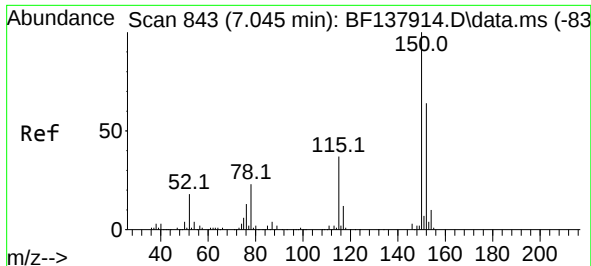
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053024\
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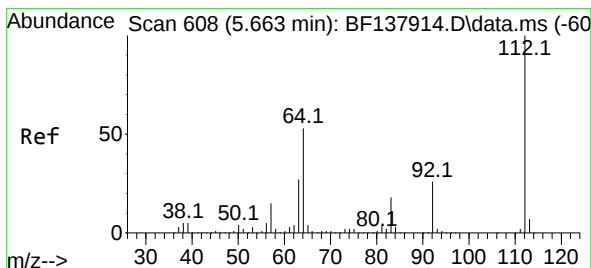
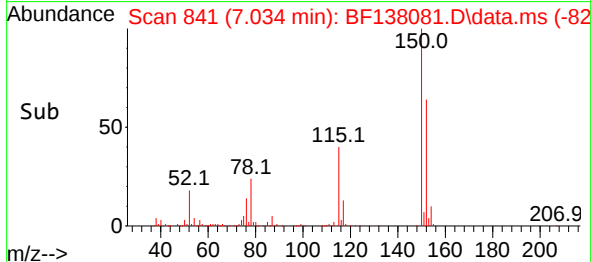
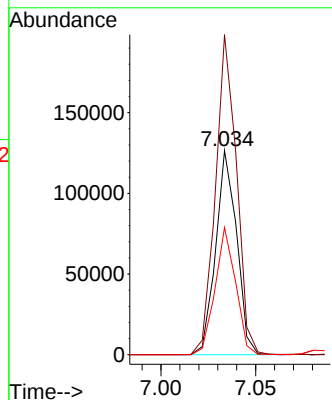
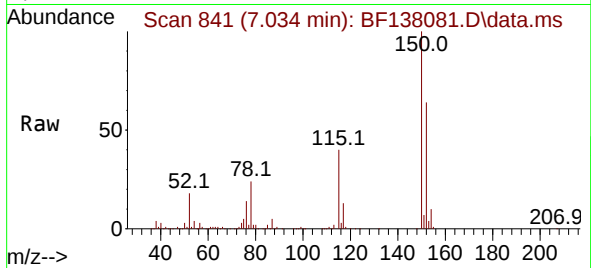




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.034 min Scan# 843
Delta R.T. -0.011 min
Lab File: BF138081.D
Acq: 30 May 2024 17:51

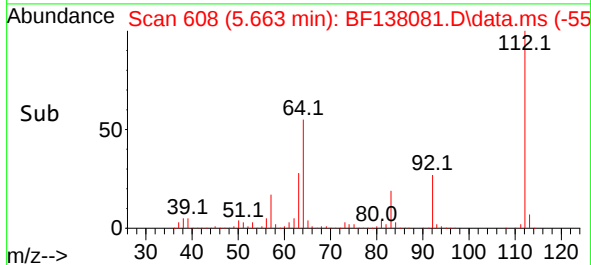
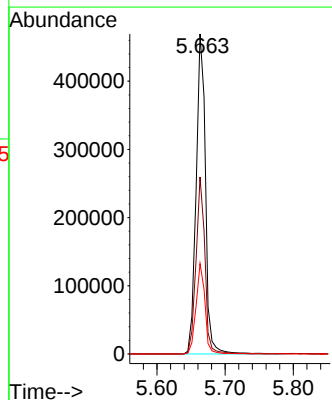
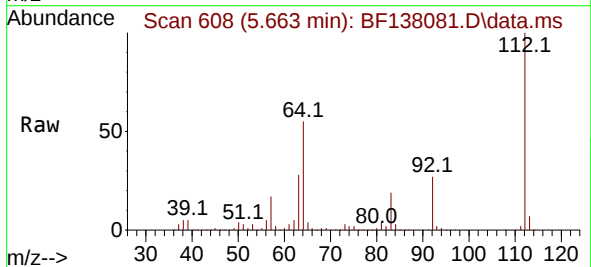
Instrument :
BNA_F
ClientSampleId :
OR-03-052924

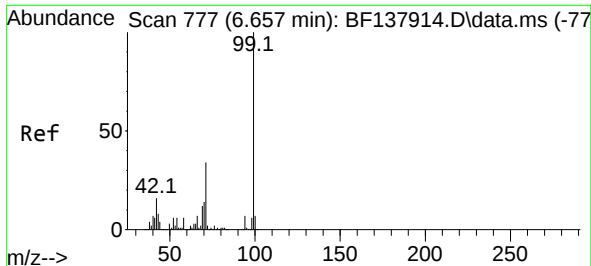
Tgt Ion:152 Resp: 97393
Ion Ratio Lower Upper
152 100
150 156.7 125.7 188.5
115 62.3 47.0 70.6



#5
2-Fluorophenol
Concen: 77.892 ng
RT: 5.663 min Scan# 608
Delta R.T. -0.000 min
Lab File: BF138081.D
Acq: 30 May 2024 17:51

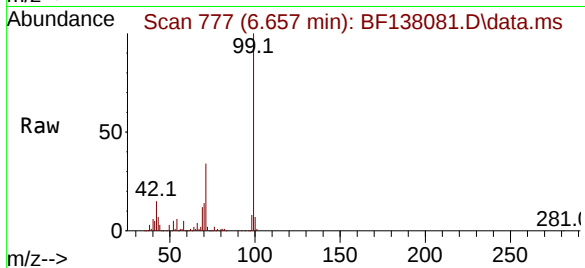
Tgt Ion:112 Resp: 446601
Ion Ratio Lower Upper
112 100
64 55.3 42.4 63.6
63 28.3 21.4 32.2





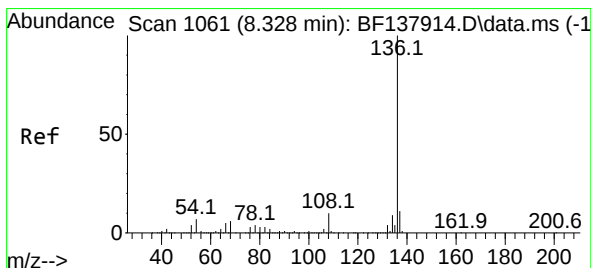
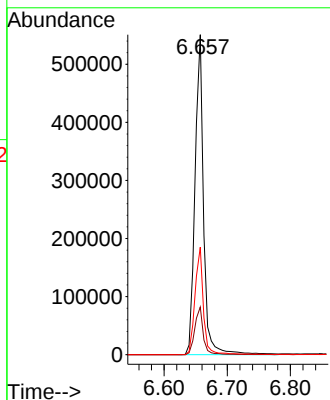
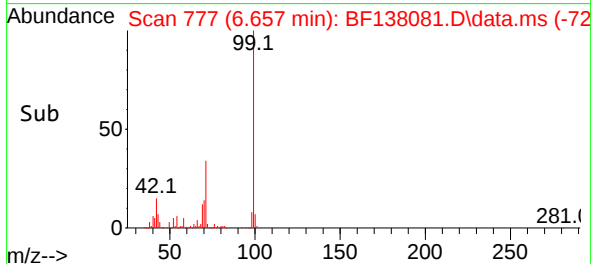
#7
Phenol-d6
Concen: 73.306 ng
RT: 6.657 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF138081.D
Acq: 30 May 2024 17:51

Instrument :
BNA_F
ClientSampleId :
OR-03-052924

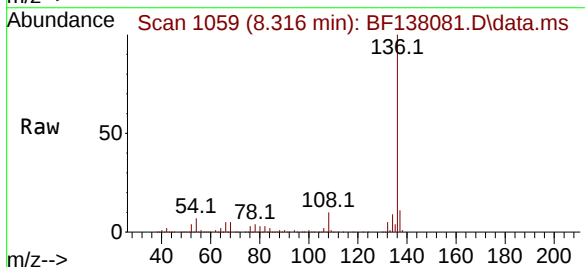


Tgt Ion: 99 Resp: 517751

Ion	Ratio	Lower	Upper
99	100		
42	14.9	12.6	18.8
71	33.6	27.1	40.7

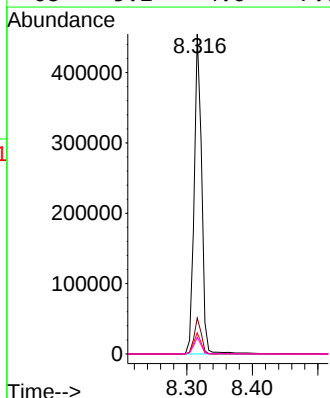
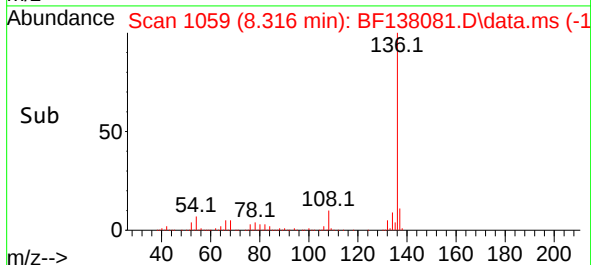


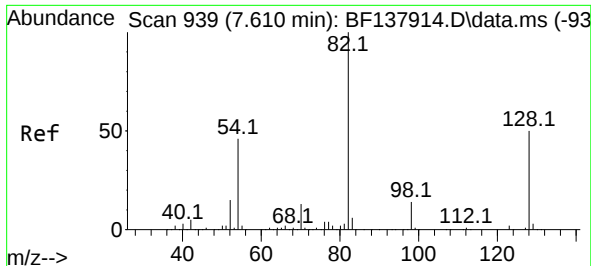
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.316 min Scan# 1059
Delta R.T. -0.012 min
Lab File: BF138081.D
Acq: 30 May 2024 17:51



Tgt Ion: 136 Resp: 363026

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	6.6	5.4	8.2
68	5.2	4.6	7.0





#23

Nitrobenzene-d5

Concen: 52.316 ng

RT: 7.592 min Scan# 91

Delta R.T. -0.018 min

Lab File: BF138081.D

Acq: 30 May 2024 17:51

Instrument :

BNA_F

ClientSampleId :

OR-03-052924

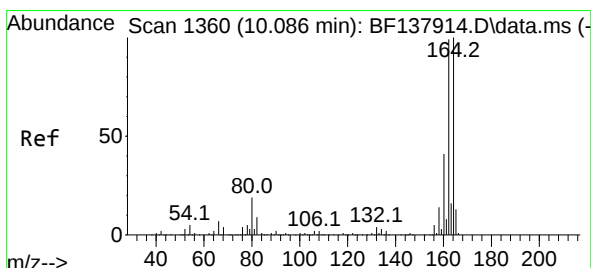
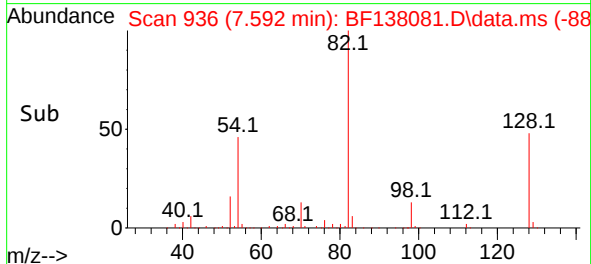
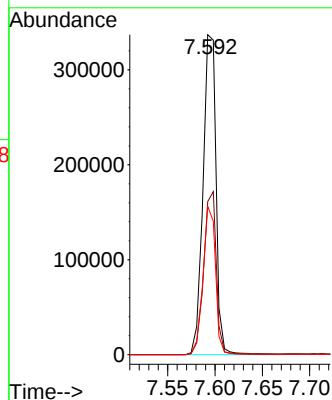
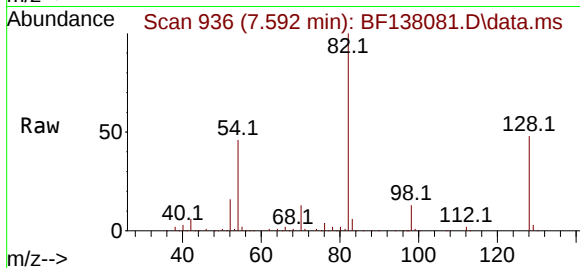
Tgt Ion: 82 Resp: 322717

Ion Ratio Lower Upper

82 100

128 47.9 40.3 60.5

54 46.4 36.8 55.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.080 min Scan# 1359

Delta R.T. -0.006 min

Lab File: BF138081.D

Acq: 30 May 2024 17:51

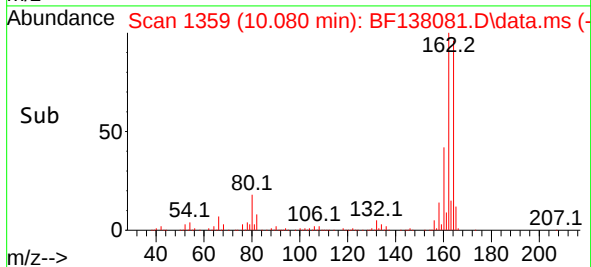
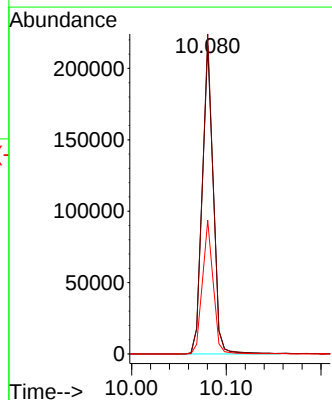
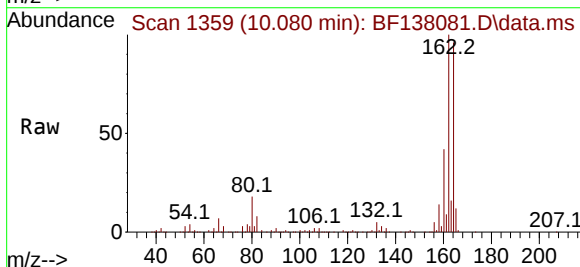
Tgt Ion:164 Resp: 174915

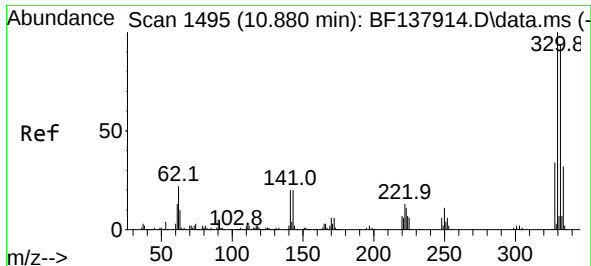
Ion Ratio Lower Upper

164 100

162 103.8 79.4 119.2

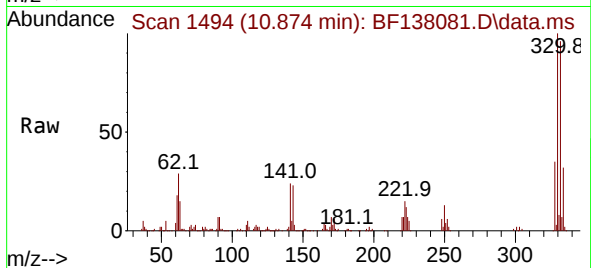
160 43.4 33.1 49.7



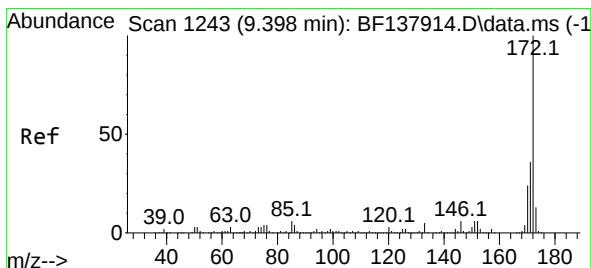
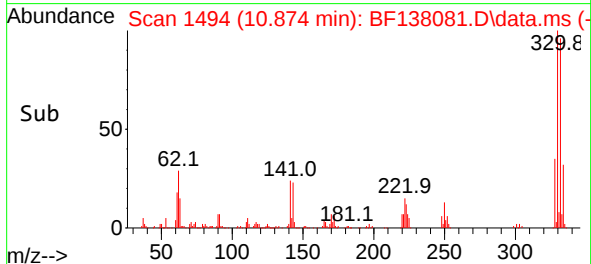
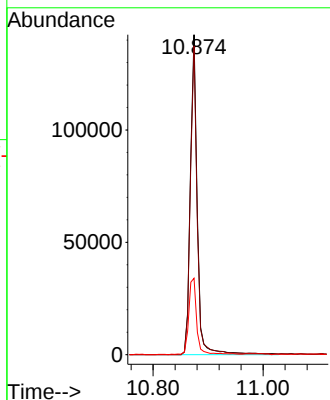


#42
2,4,6-Tribromophenol
Concen: 70.397 ng
RT: 10.874 min Scan# 1494
Delta R.T. -0.006 min
Lab File: BF138081.D
Acq: 30 May 2024 17:51

Instrument :
BNA_F
ClientSampleId :
OR-03-052924

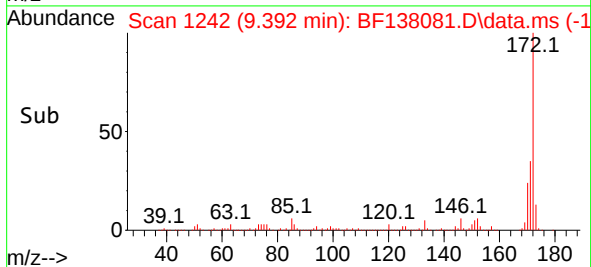
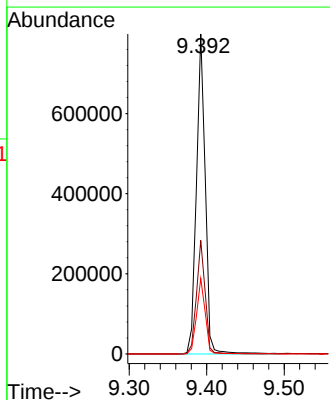
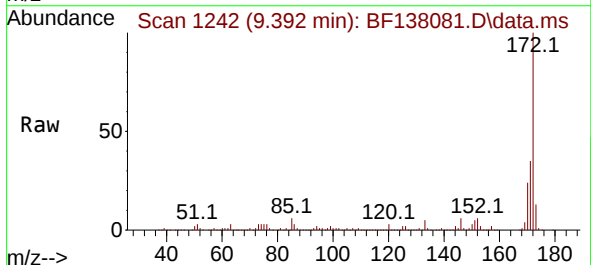


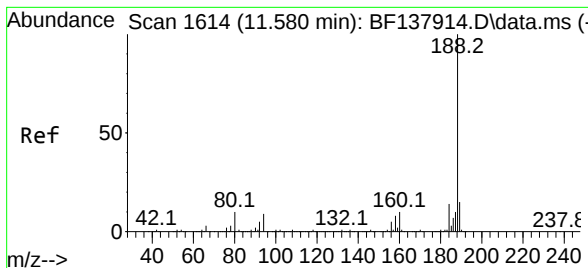
Tgt Ion:330 Resp: 124156
Ion Ratio Lower Upper
330 100
332 94.6 75.8 113.8
141 28.0 23.8 35.6



#45
2-Fluorobiphenyl
Concen: 55.899 ng
RT: 9.392 min Scan# 1242
Delta R.T. -0.006 min
Lab File: BF138081.D
Acq: 30 May 2024 17:51

Tgt Ion:172 Resp: 634751
Ion Ratio Lower Upper
172 100
171 35.5 28.9 43.3
170 23.6 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.574 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138081.D

Acq: 30 May 2024 17:51

Instrument :

BNA_F

ClientSampleId :

OR-03-052924

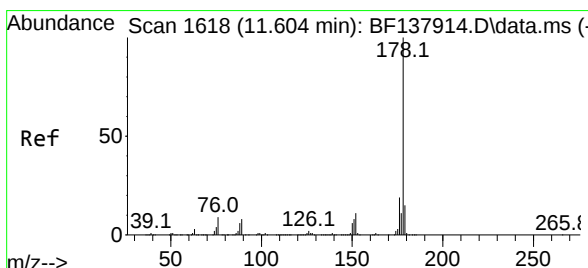
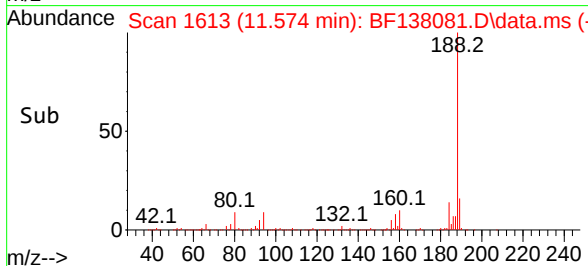
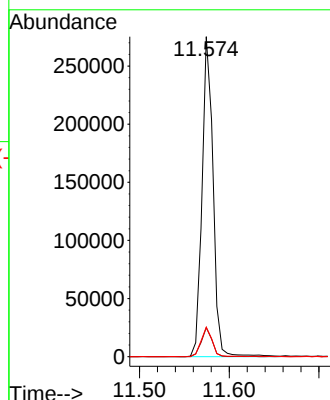
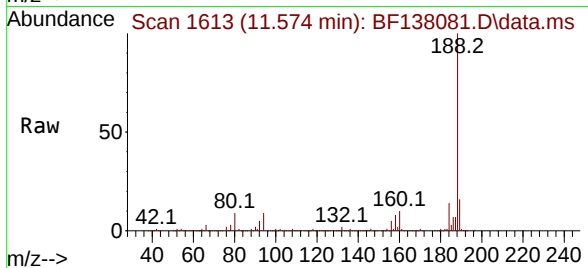
Tgt Ion:188 Resp: 234857

Ion Ratio Lower Upper

188 100

94 9.0 7.0 10.4

80 9.3 7.7 11.5



#71

Phenanthrene

Concen: 10.861 ng

RT: 11.598 min Scan# 1617

Delta R.T. -0.006 min

Lab File: BF138081.D

Acq: 30 May 2024 17:51

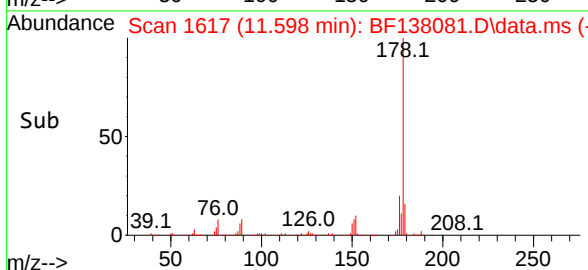
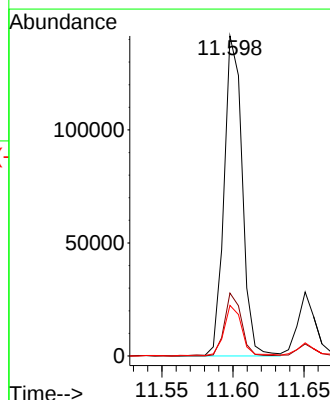
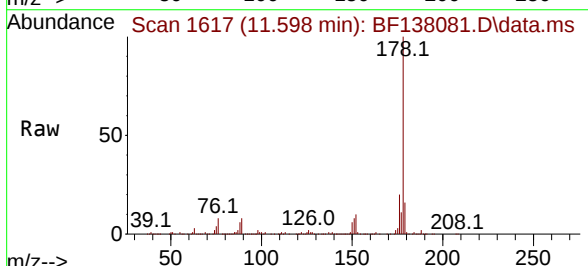
Tgt Ion:178 Resp: 125705

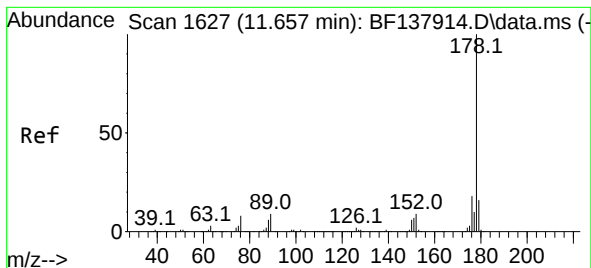
Ion Ratio Lower Upper

178 100

176 19.7 15.2 22.8

179 15.8 12.2 18.4





#72

Anthracene

Concen: 2.037 ng m

RT: 11.651 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138081.D

Acq: 30 May 2024 17:51

Instrument :

BNA_F

ClientSampleId :

OR-03-052924

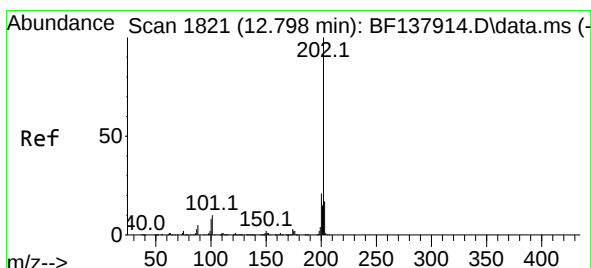
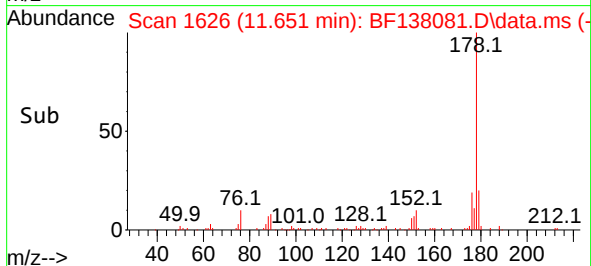
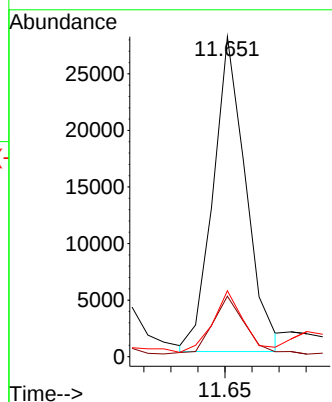
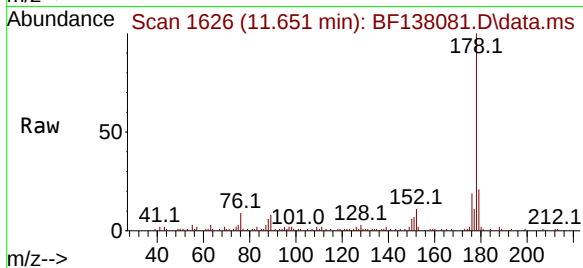
Tgt Ion:178 Resp: 23396

Ion Ratio Lower Upper

178 100

176 18.9 14.7 22.1

179 20.6 12.4 18.6#



#75

Fluoranthene

Concen: 14.619 ng

RT: 12.798 min Scan# 1821

Delta R.T. -0.000 min

Lab File: BF138081.D

Acq: 30 May 2024 17:51

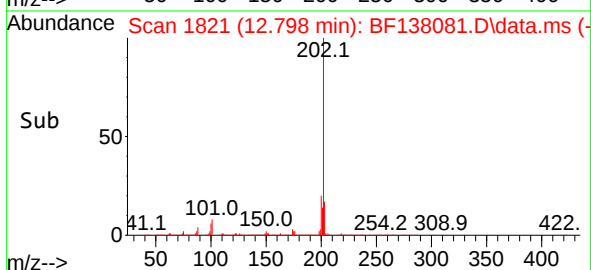
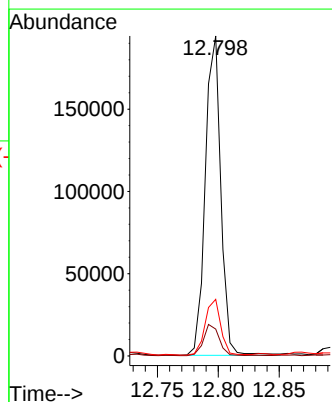
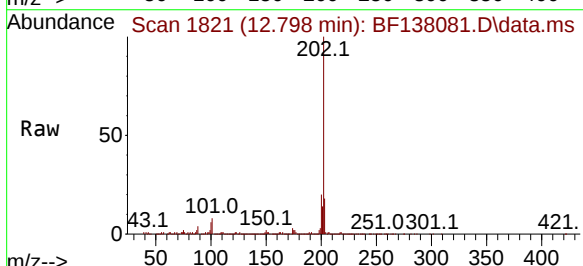
Tgt Ion:202 Resp: 171738

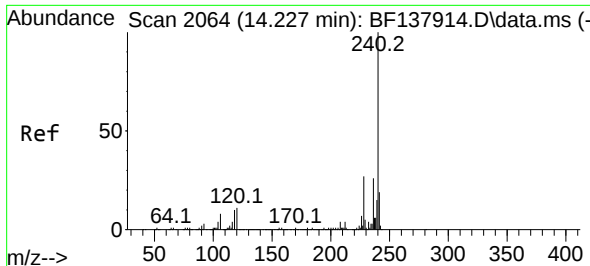
Ion Ratio Lower Upper

202 100

101 8.4 0.0 30.5

203 17.7 0.0 37.3

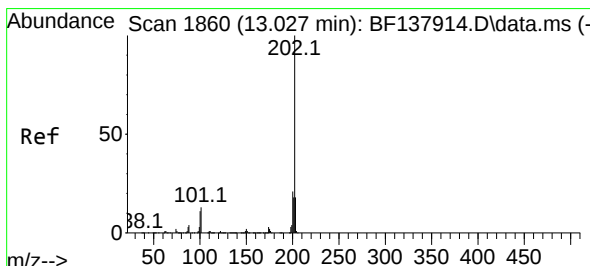
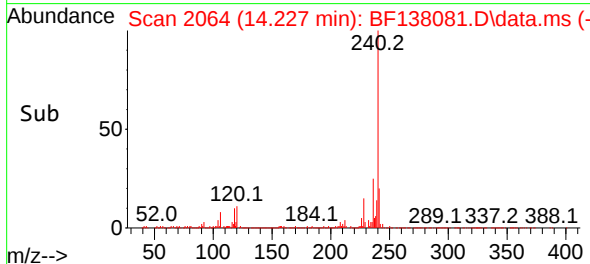
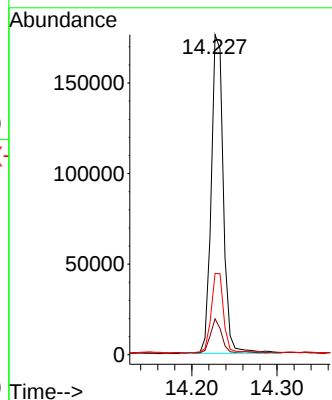
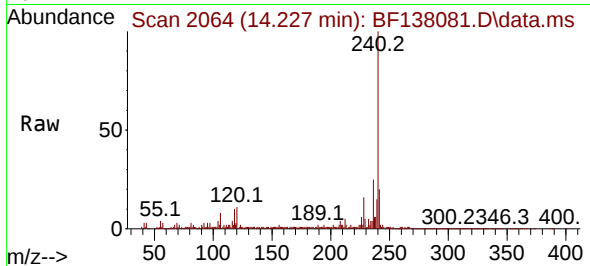




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.227 min Scan# 2064
Delta R.T. -0.000 min
Lab File: BF138081.D
Acq: 30 May 2024 17:51

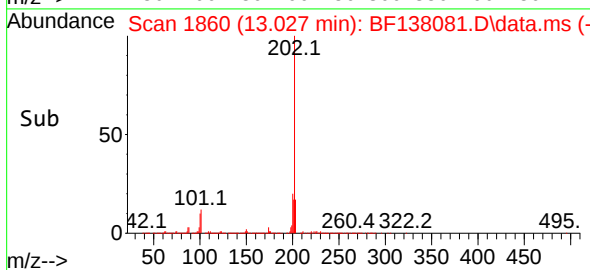
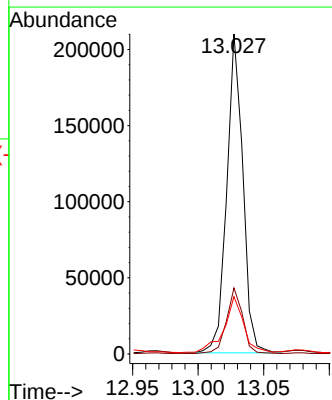
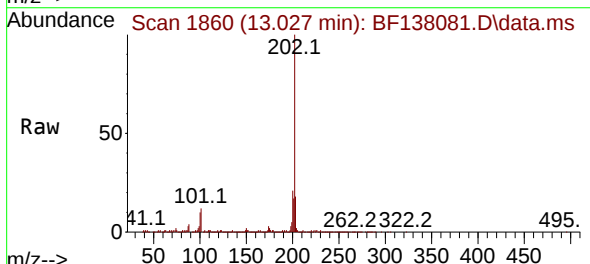
Instrument :
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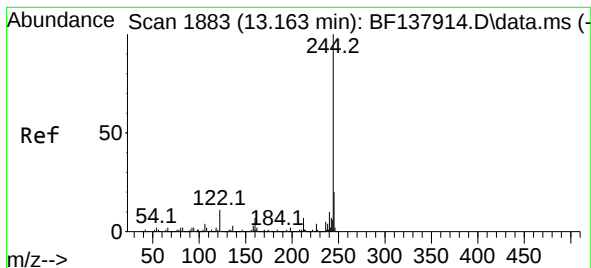
Tgt Ion:240 Resp: 174305
Ion Ratio Lower Upper
240 100
120 11.2 8.9 13.3
236 25.4 21.0 31.4



#78
Pyrene
Concen: 11.689 ng
RT: 13.027 min Scan# 1860
Delta R.T. -0.000 min
Lab File: BF138081.D
Acq: 30 May 2024 17:51

Tgt Ion:202 Resp: 178207
Ion Ratio Lower Upper
202 100
200 20.6 17.0 25.4
203 17.9 14.1 21.1





#79

Terphenyl-d14

Concen: 43.232 ng

RT: 13.163 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF138081.D

Acq: 30 May 2024 17:51

Instrument :

BNA_F

ClientSampleId :

OR-03-052924

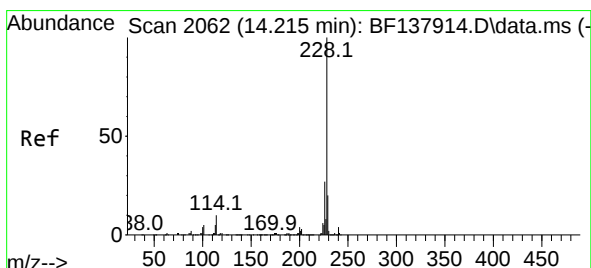
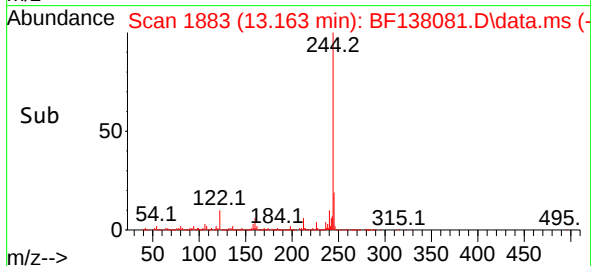
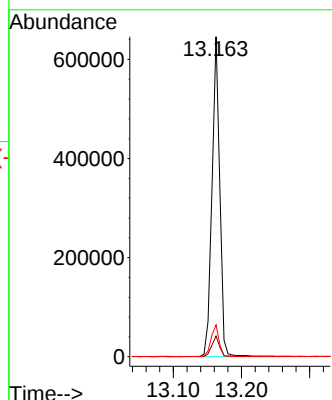
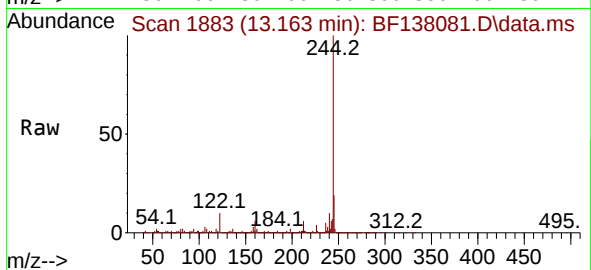
Tgt Ion:244 Resp: 511302

Ion Ratio Lower Upper

244 100

212 6.5 5.6 8.4

122 9.9 8.8 13.2



#81

Benzo(a)anthracene

Concen: 5.765 ng

RT: 14.221 min Scan# 2063

Delta R.T. 0.006 min

Lab File: BF138081.D

Acq: 30 May 2024 17:51

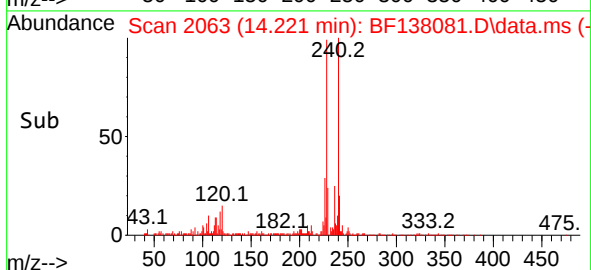
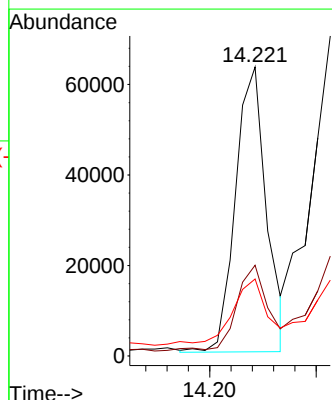
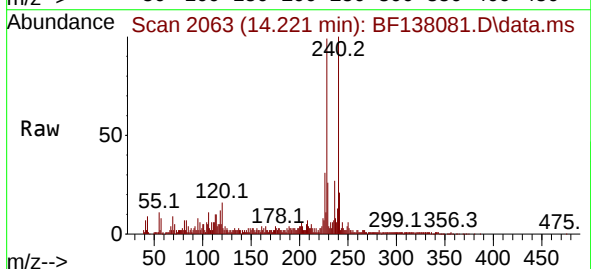
Tgt Ion:228 Resp: 63573

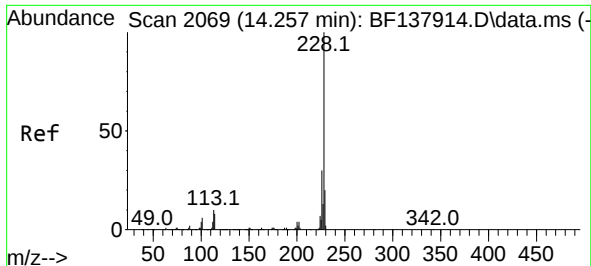
Ion Ratio Lower Upper

228 100

226 31.4 21.3 31.9

229 26.6 15.7 23.5#

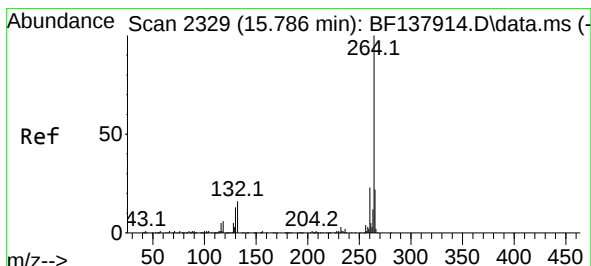
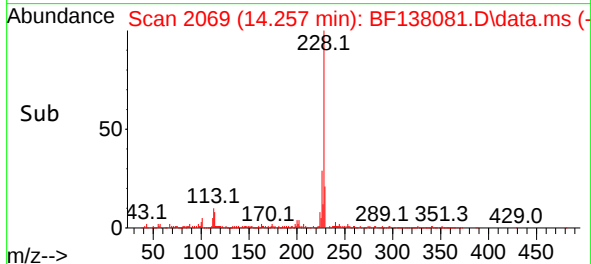
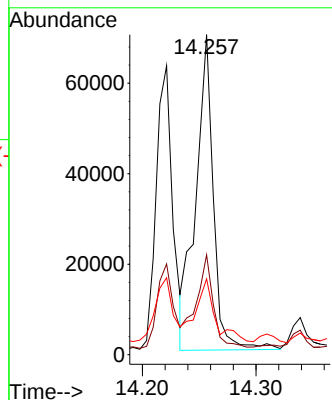
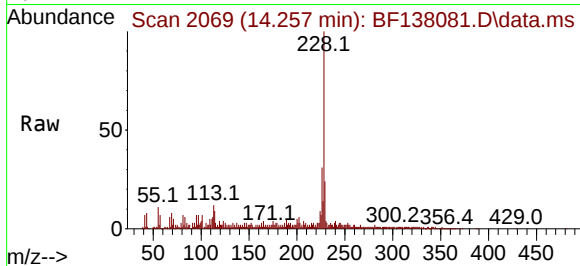




#83
Chrysene
Concen: 7.170 ng
RT: 14.257 min Scan# 2069
Delta R.T. -0.000 min
Lab File: BF138081.D
Acq: 30 May 2024 17:51

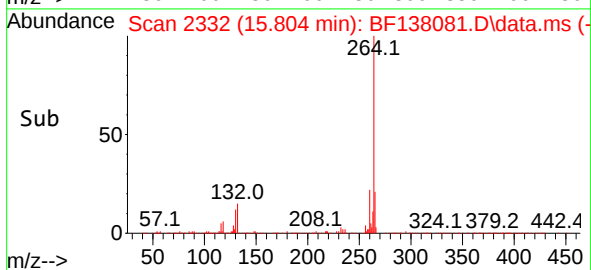
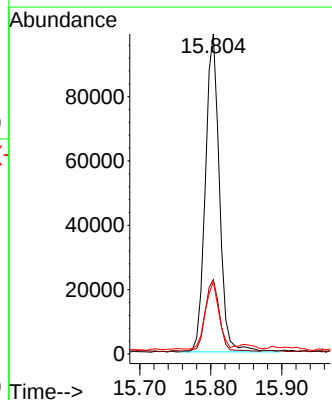
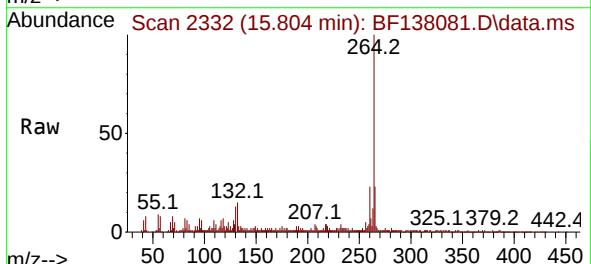
Instrument :
BNA_F
ClientSampleId :
OR-03-052924

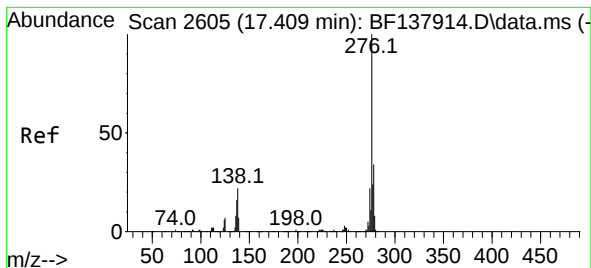
Tgt Ion:228 Resp: 75623
Ion Ratio Lower Upper
228 100
226 31.2 23.8 35.8
229 23.7 15.6 23.4#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.804 min Scan# 2332
Delta R.T. 0.018 min
Lab File: BF138081.D
Acq: 30 May 2024 17:51

Tgt Ion:264 Resp: 136061
Ion Ratio Lower Upper
264 100
260 23.3 18.3 27.5
265 22.5 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.886 ng

RT: 17.427 min Scan# 2

Delta R.T. 0.018 min

Lab File: BF138081.D

Acq: 30 May 2024 17:51

Instrument :

BNA_F

ClientSampleId :

OR-03-052924

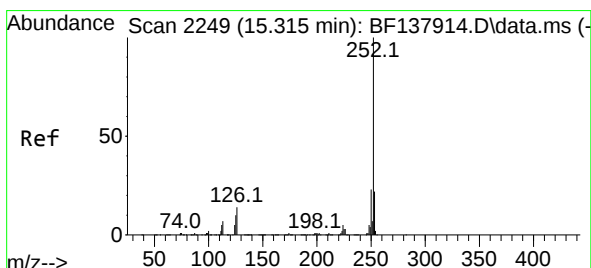
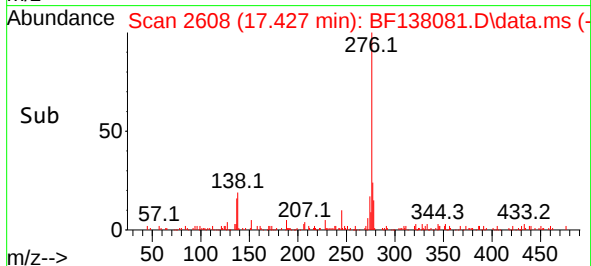
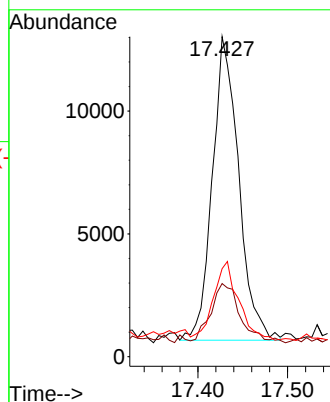
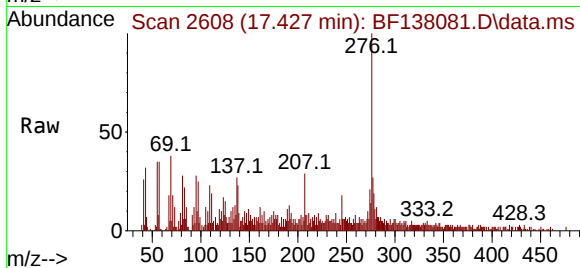
Tgt Ion:276 Resp: 25230

Ion Ratio Lower Upper

276 100

138 22.0 20.6 30.8

277 23.9 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 7.368 ng m

RT: 15.327 min Scan# 2251

Delta R.T. 0.012 min

Lab File: BF138081.D

Acq: 30 May 2024 17:51

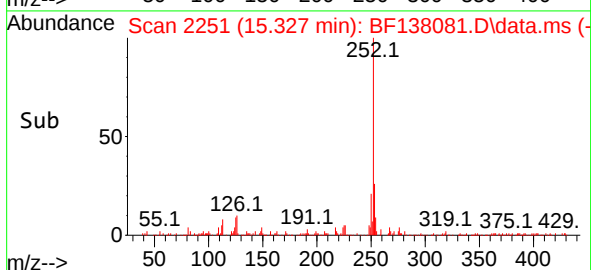
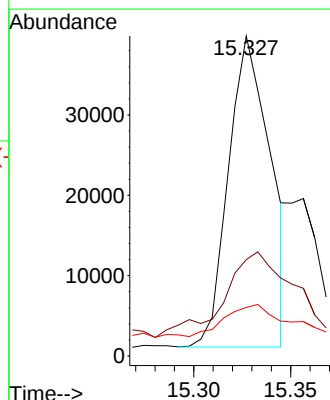
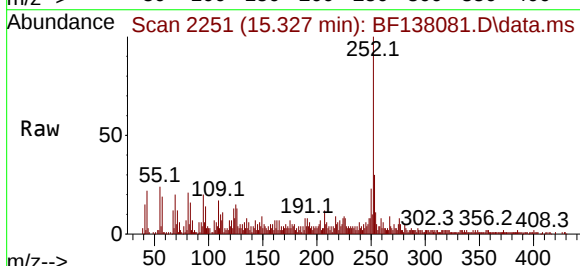
Tgt Ion:252 Resp: 58043

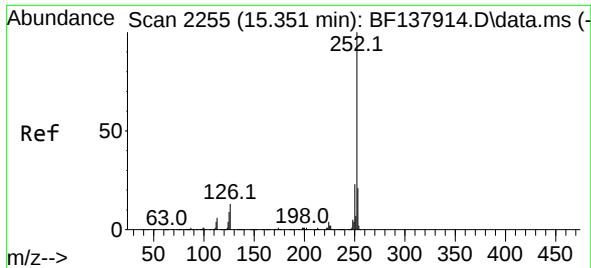
Ion Ratio Lower Upper

252 100

253 30.1 17.6 26.4#

125 15.1 8.2 12.4#

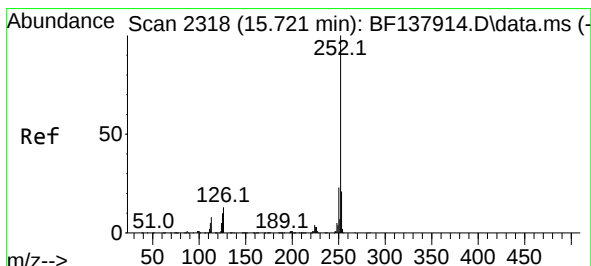
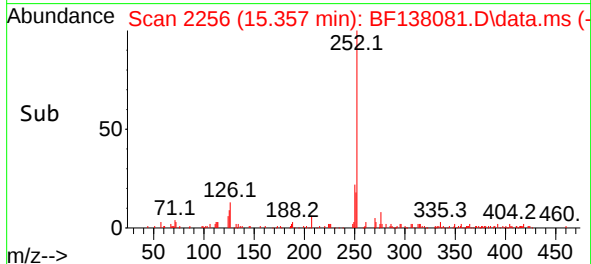
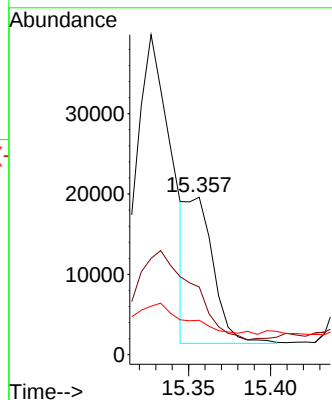
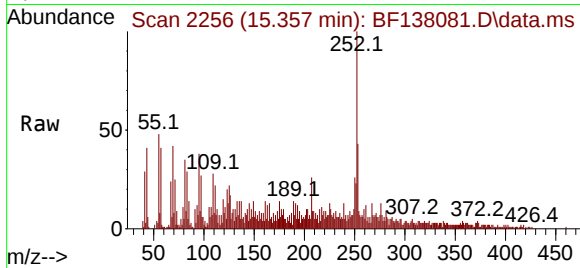




#89
Benzo(k)fluoranthene
Concen: 2.691 ng m
RT: 15.357 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF138081.D
Acq: 30 May 2024 17:51

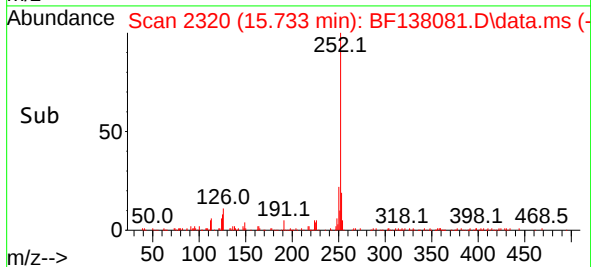
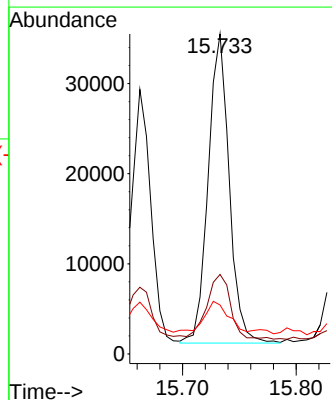
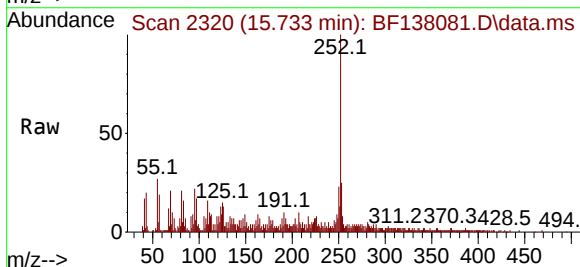
Instrument :
BNA_F
ClientSampleId :
OR-03-052924

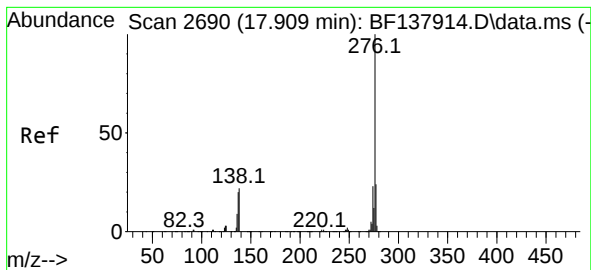
Tgt Ion:252 Resp: 20823
Ion Ratio Lower Upper
252 100
253 43.0 17.4 26.0#
125 21.9 7.7 11.5#



#90
Benzo(a)pyrene
Concen: 6.548 ng
RT: 15.733 min Scan# 2320
Delta R.T. 0.012 min
Lab File: BF138081.D
Acq: 30 May 2024 17:51

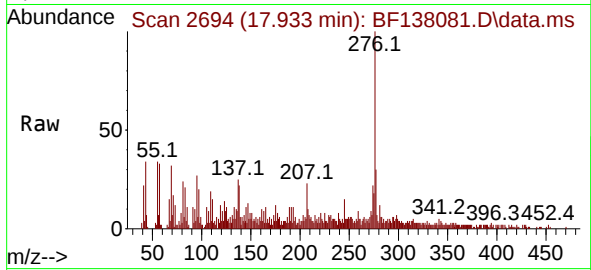
Tgt Ion:252 Resp: 44049
Ion Ratio Lower Upper
252 100
253 24.8 17.0 25.6
125 15.3 7.8 11.8#





#92
 Benzo(g,h,i)perylene
 Concen: 4.011 ng
 RT: 17.933 min Scan# 20
 Delta R.T. 0.024 min
 Lab File: BF138081.D
 Acq: 30 May 2024 17:51

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-052924



Tgt Ion:	276	Resp:	30435
Ion Ratio	Lower	Upper	
276	100		
277	29.8	18.9	28.3#
138	21.9	17.6	26.4

