

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)

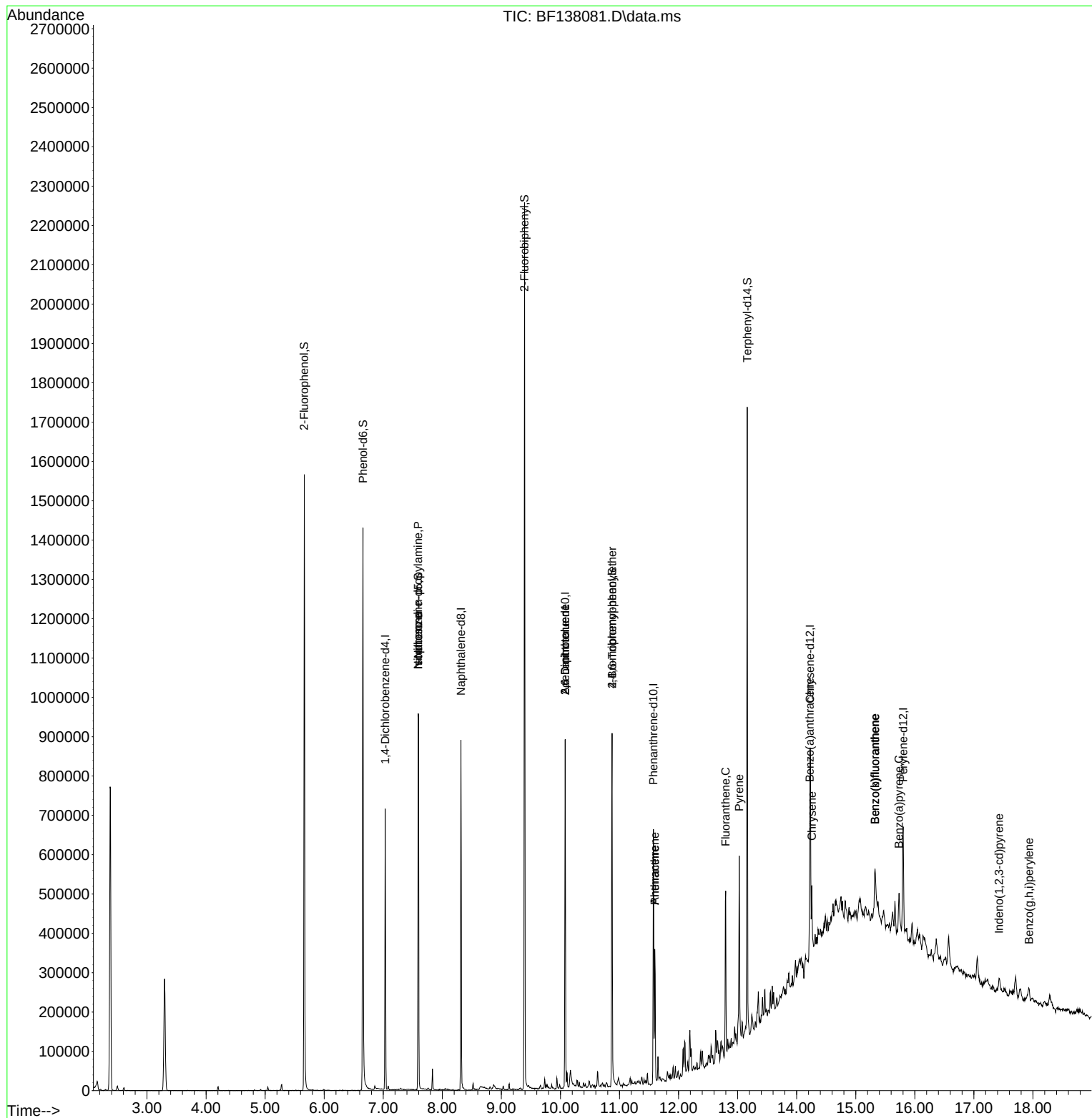
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.034	152	97393	20.000	ng	-0.01
21) Naphthalene-d8	8.316	136	363026	20.000	ng	-0.01
39) Acenaphthene-d10	10.080	164	174915	20.000	ng	0.00
64) Phenanthrene-d10	11.574	188	234857	20.000	ng	0.00
76) Chrysene-d12	14.227	240	174305	20.000	ng	0.00
86) Perylene-d12	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
19) n-Nitroso-di-n-propyla...	7.592	70	42582	10.731	ng	# 77
25) Isophorone	7.592	82	322717	30.143	ng	# 64
51) 2,6-Dinitrotoluene	10.080	165	22852	9.078	ng	# 30
57) 2,4-Dinitrotoluene	10.080	165	22912	7.040	ng	# 33
67) 4-Bromophenyl-phenylether	10.874	248	7373	2.864	ng	# 1
71) Phenanthrene	11.598	178	125705	10.861	ng	99
72) Anthracene	11.598	178	125705	10.947	ng	98
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	80060	10.162	ng	# 84
89) Benzo(k)fluoranthene	15.327	252	80060	10.345	ng	# 83
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

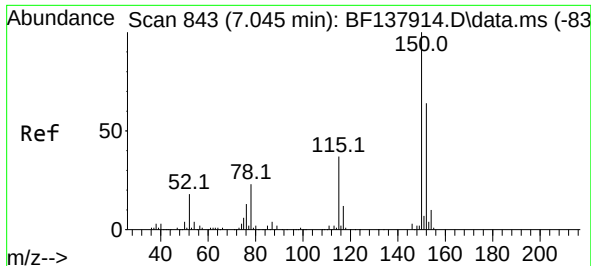
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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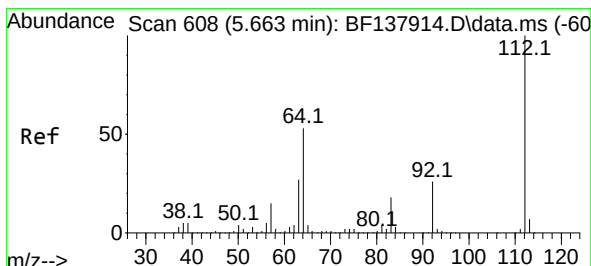
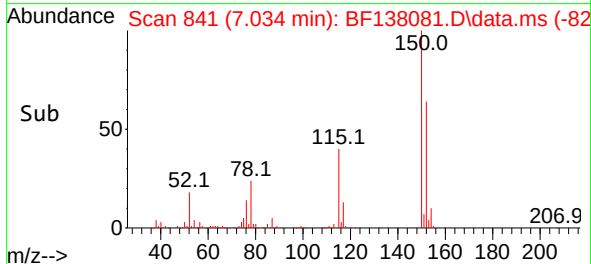
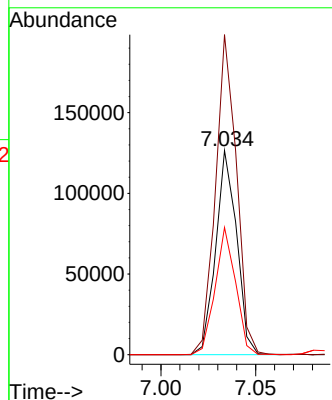
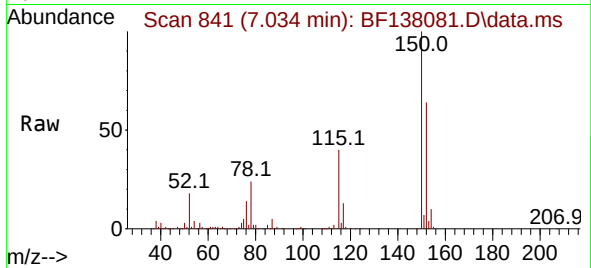




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.034 min Scan# 843
Delta R.T. -0.011 min
Lab File: BF138081.D
Acq: 30 May 2024 17:51

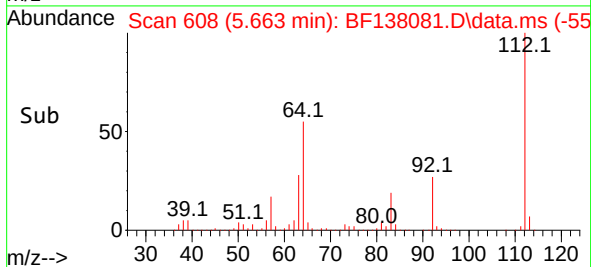
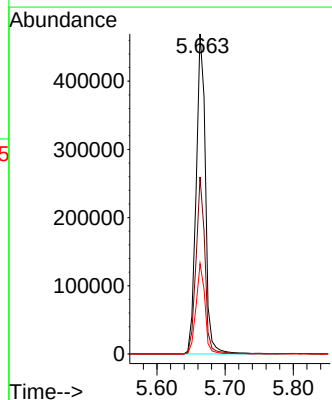
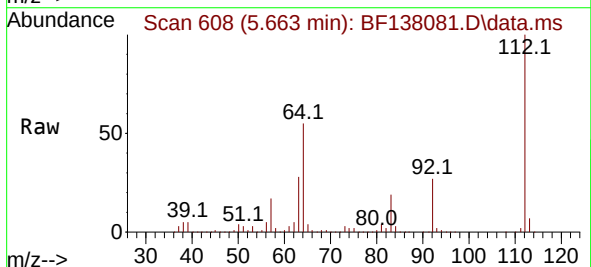
Instrument :
BNA_F
ClientSampleId :
OR-03-052924

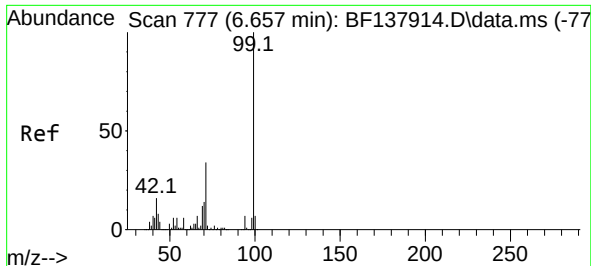
Tgt Ion:152 Resp: 97393
Ion Ratio Lower Upper
152 100
150 156.7 125.7 188.5
115 62.3 47.0 70.6



#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

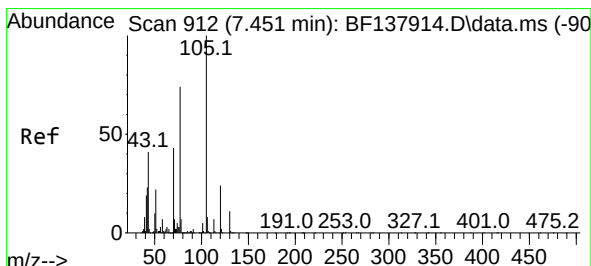
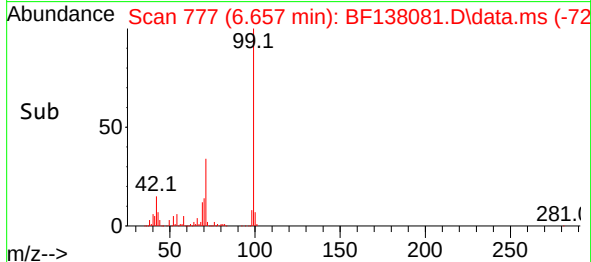
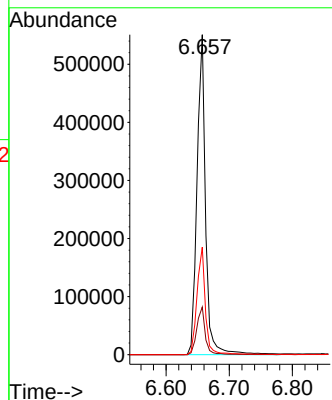
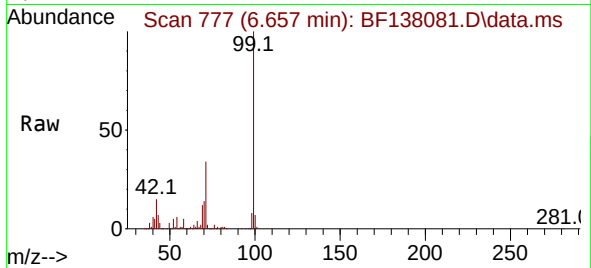




#7
Phenol-d6
Concen: 73.306 ng
RT: 6.657 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF138081.D
Acq: 30 May 2024 17:51

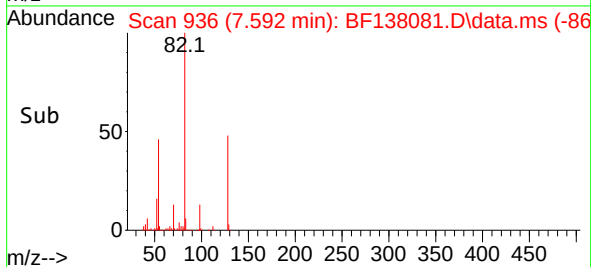
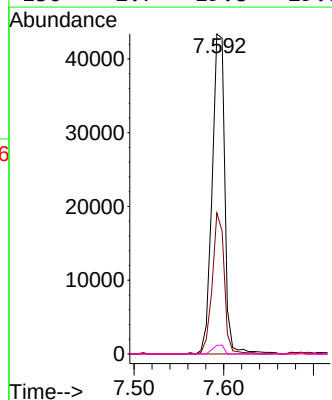
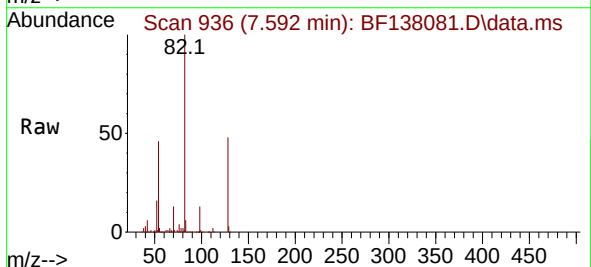
Instrument :
BNA_F
ClientSampleId :
OR-03-052924

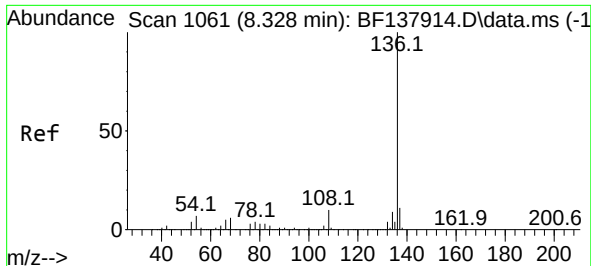
Tgt Ion: 99 Resp: 517751
Ion Ratio Lower Upper
99 100
42 14.9 12.6 18.8
71 33.6 27.1 40.7



#19
n-Nitroso-di-n-propylamine
Concen: 10.731 ng
RT: 7.592 min Scan# 936
Delta R.T. 0.141 min
Lab File: BF138081.D
Acq: 30 May 2024 17:51

Tgt Ion: 70 Resp: 42582
Ion Ratio Lower Upper
70 100
42 44.1 42.2 63.4
101 0.0 8.8 13.2#
130 2.7 19.8 29.8#



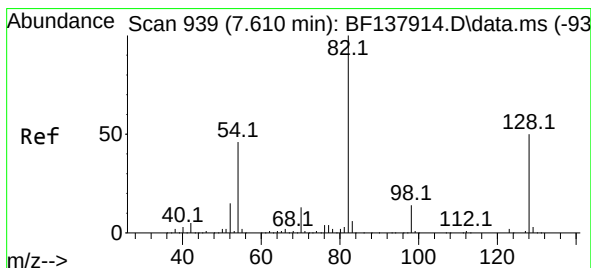
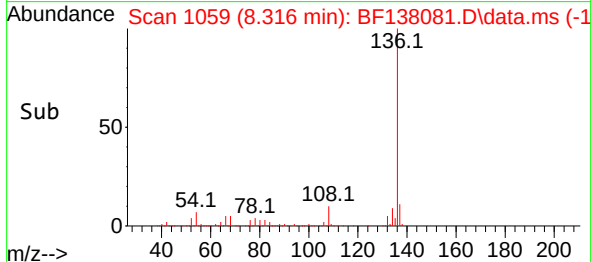
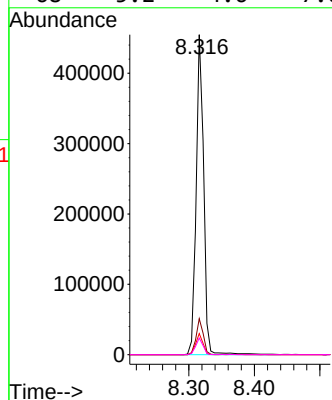
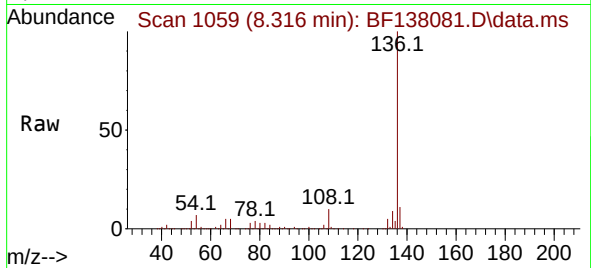


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.316 min Scan# 1059
Delta R.T. -0.012 min
Lab File: BF138081.D
Acq: 30 May 2024 17:51

Instrument :
BNA_F
ClientSampleId :
OR-03-052924

Tgt Ion:136 Resp: 363026

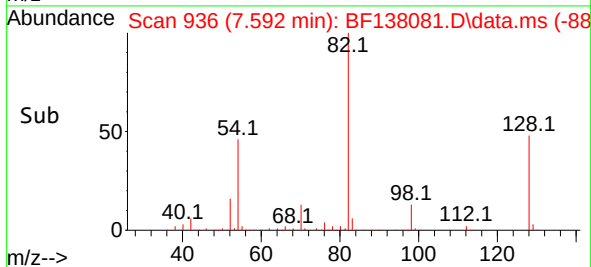
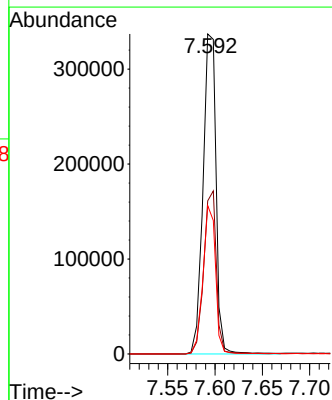
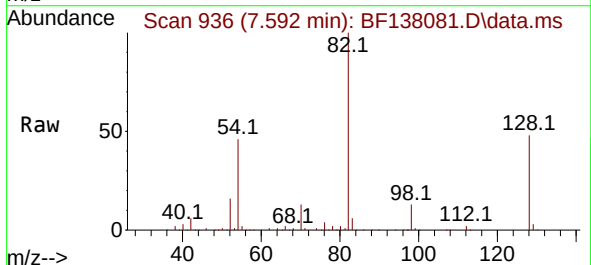
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	6.6	5.4	8.2
68	5.2	4.6	7.0

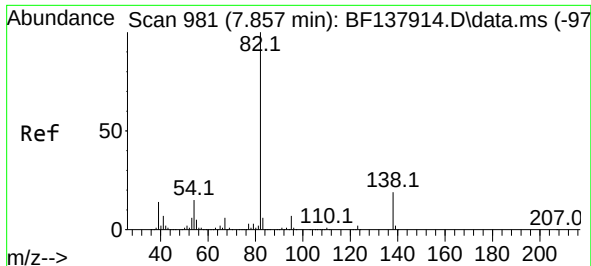


#23
Nitrobenzene-d5
Concen: 52.316 ng
RT: 7.592 min Scan# 936
Delta R.T. -0.018 min
Lab File: BF138081.D
Acq: 30 May 2024 17:51

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

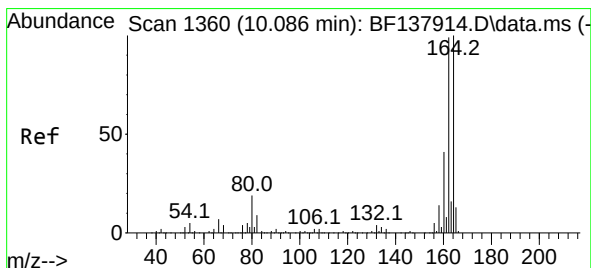
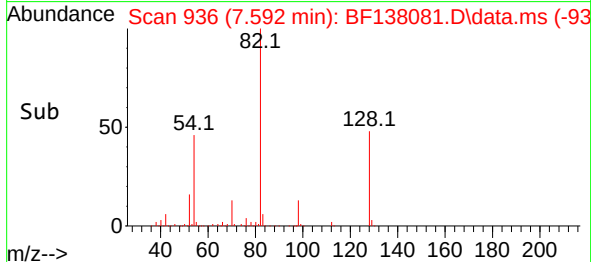
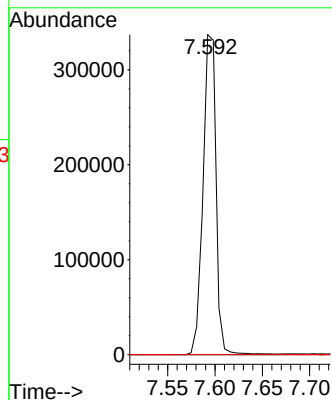
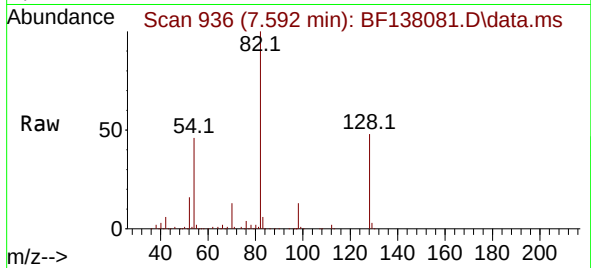




#25
Isophorone
Concen: 30.143 ng
RT: 7.592 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF138081.D
Acq: 30 May 2024 17:51

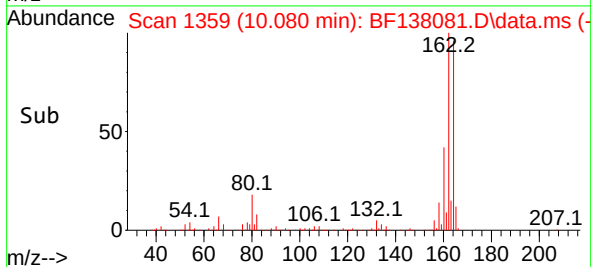
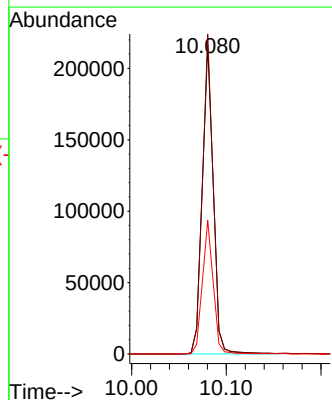
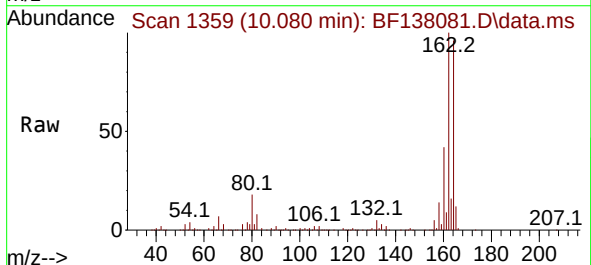
Instrument :
BNA_F
ClientSampleId :
OR-03-052924

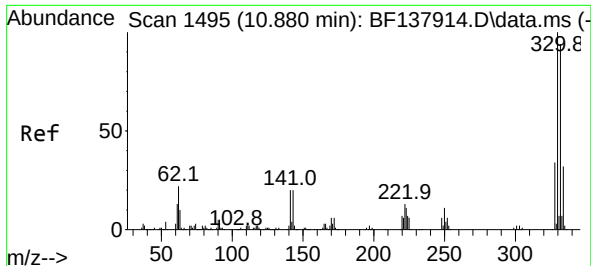
Tgt Ion: 82 Resp: 322717
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.0 22.4#



#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

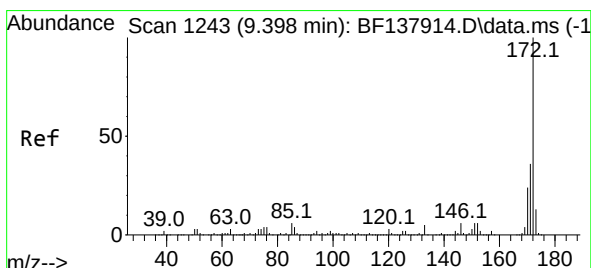
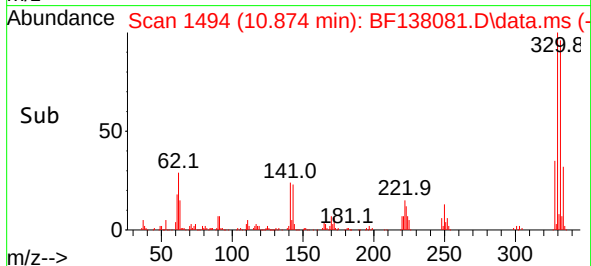
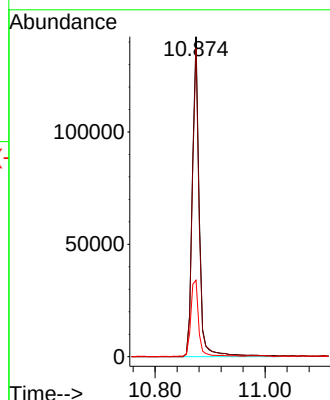
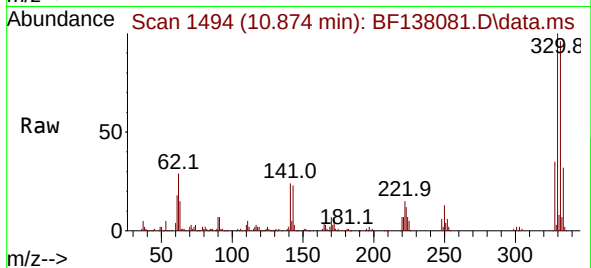




#42
2,4,6-Tribromophenol
Concen: 70.397 ng
RT: 10.874 min Scan# 1494
Delta R.T. -0.006 min
Lab File: BF138081.D
Acq: 30 May 2024 17:51

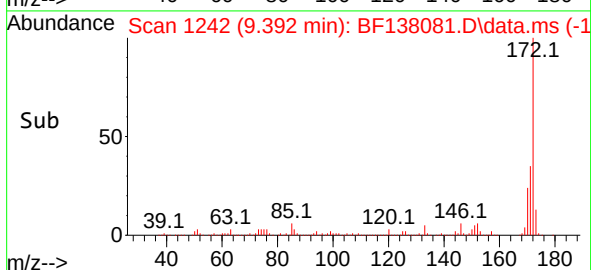
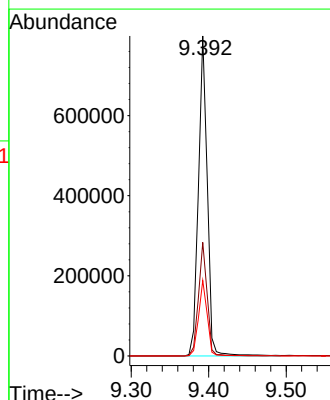
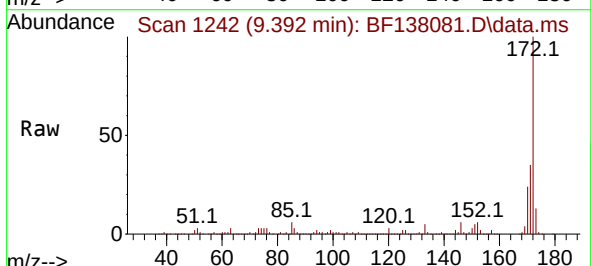
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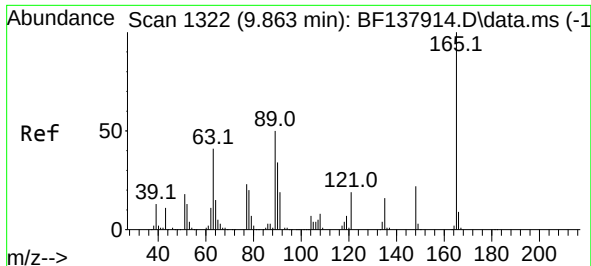
Tgt Ion:330 Resp: 124156
Ion Ratio Lower Upper
330 100
332 94.6 75.8 113.8
141 28.0 23.8 35.6



#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

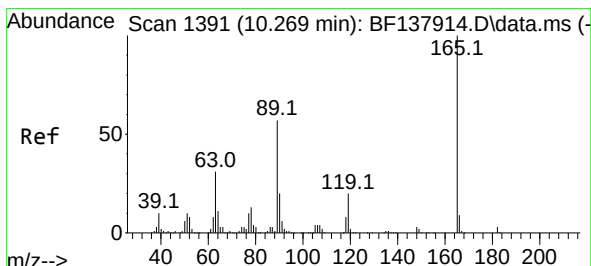
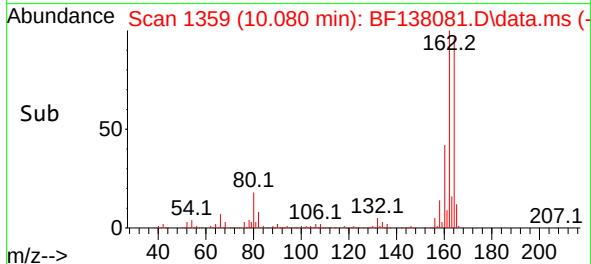
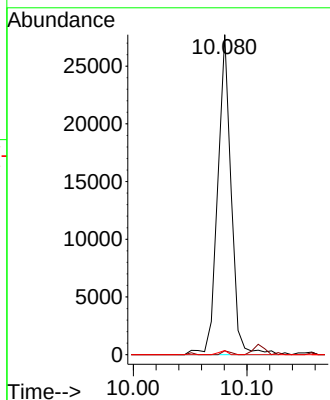
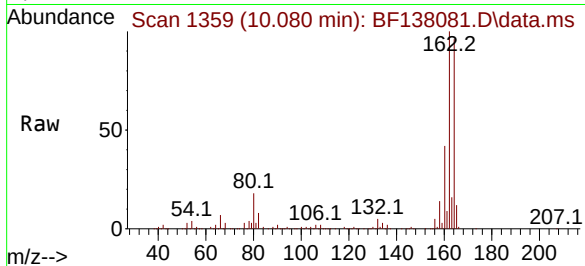




#51
2,6-Dinitrotoluene
Concen: 9.078 ng
RT: 10.080 min Scan# 1359
Delta R.T. 0.218 min
Lab File: BF138081.D
Acq: 30 May 2024 17:51

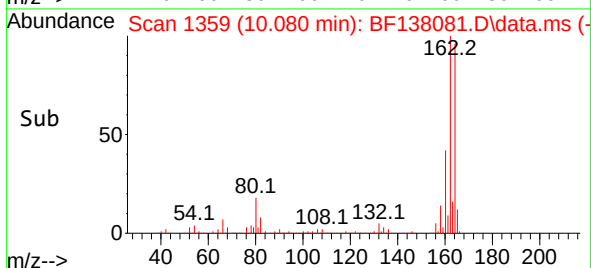
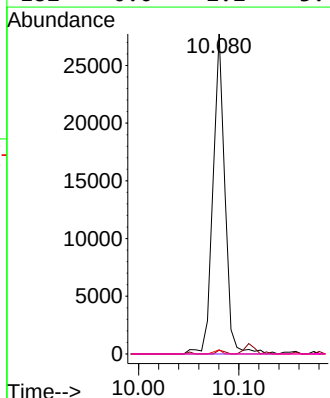
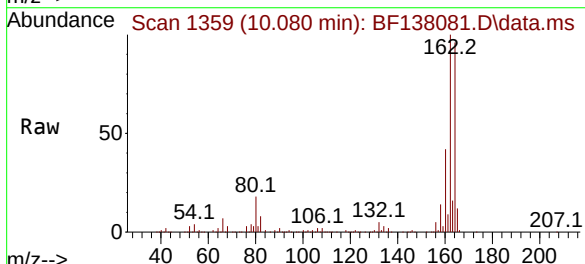
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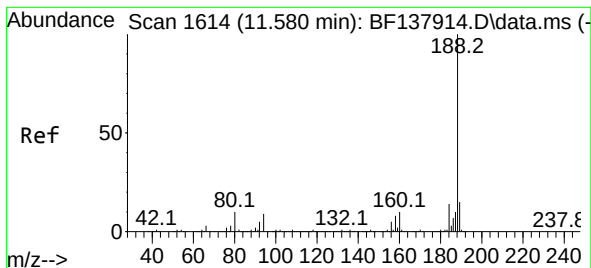
Tgt Ion:165 Resp: 22852
Ion Ratio Lower Upper
165 100
63 1.2 38.9 58.3#
89 1.3 40.4 60.6#



#57
2,4-Dinitrotoluene
Concen: 7.040 ng
RT: 10.080 min Scan# 1359
Delta R.T. -0.188 min
Lab File: BF138081.D
Acq: 30 May 2024 17:51

Tgt Ion:165 Resp: 22912
Ion Ratio Lower Upper
165 100
63 1.2 25.3 37.9#
89 1.3 45.9 68.9#
182 0.0 2.2 3.4#





#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

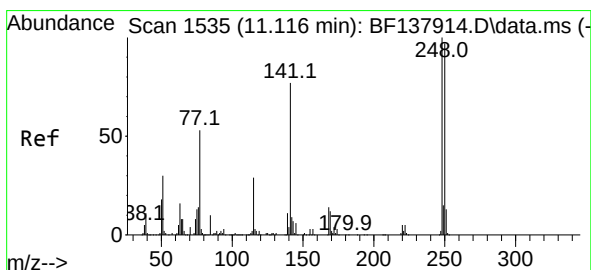
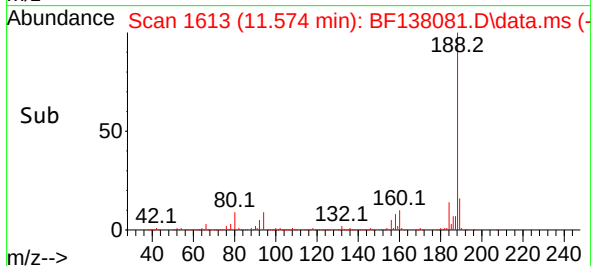
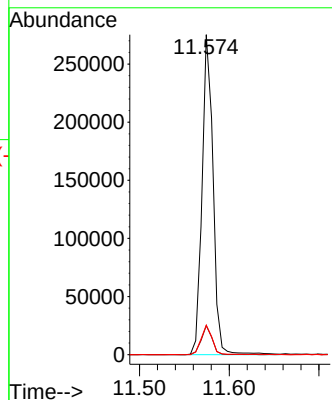
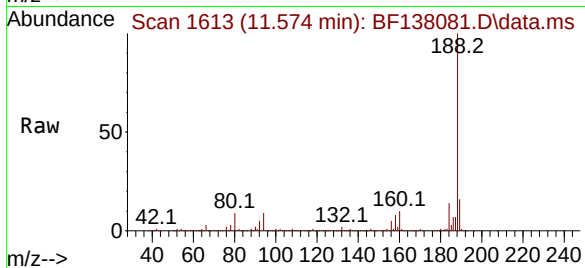
Tgt Ion:188 Resp: 234857

Ion Ratio Lower Upper

188 100

94 9.0 7.0 10.4

80 9.3 7.7 11.5



#67

4-Bromophenyl-phenylether

Concen: 2.864 ng

RT: 10.874 min Scan# 1494

Delta R.T. -0.241 min

Lab File: BF138081.D

Acq: 30 May 2024 17:51

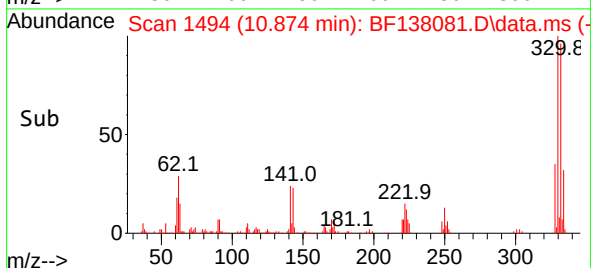
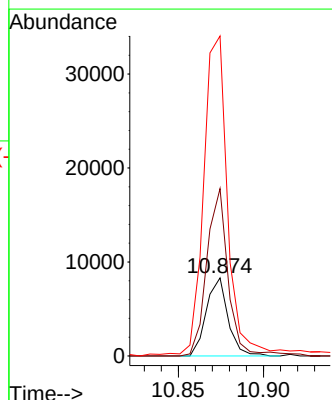
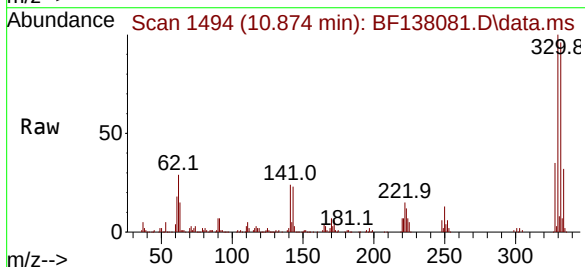
Tgt Ion:248 Resp: 7373

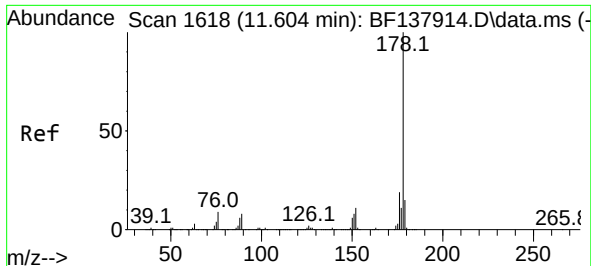
Ion Ratio Lower Upper

248 100

250 214.2 77.6 116.4#

141 409.5 61.4 92.2#

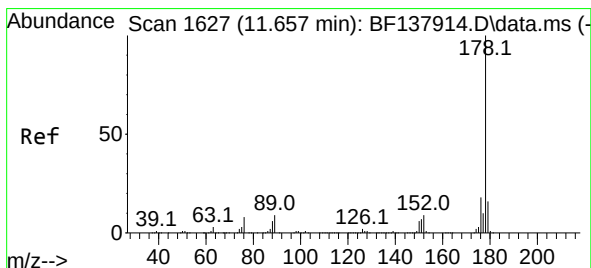
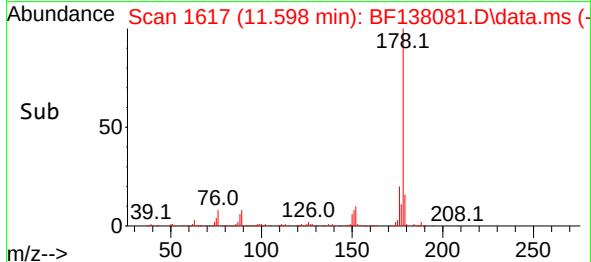
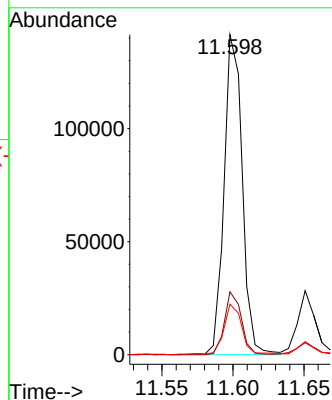
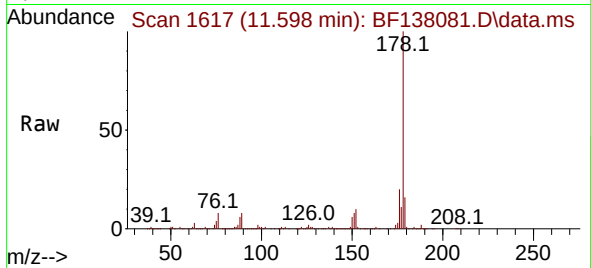




#71
Phenanthrene
Concen: 10.861 ng
RT: 11.598 min Scan# 1617
Delta R.T. -0.006 min
Lab File: BF138081.D
Acq: 30 May 2024 17:51

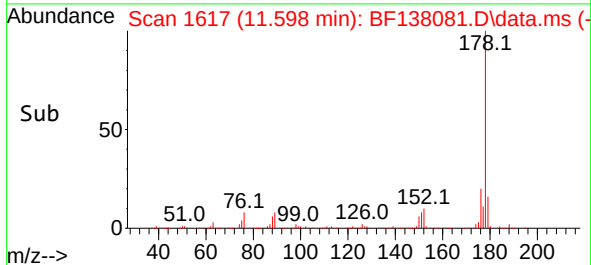
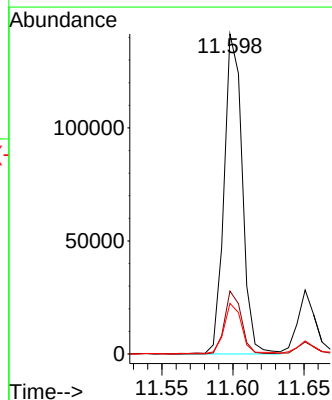
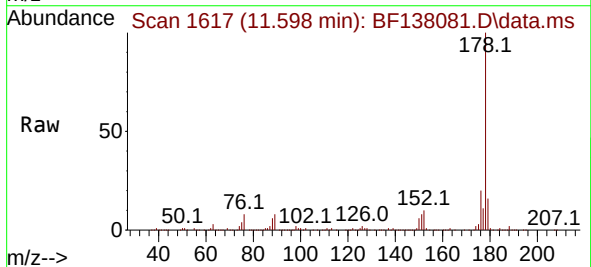
Instrument :
BNA_F
ClientSampleId :
OR-03-052924

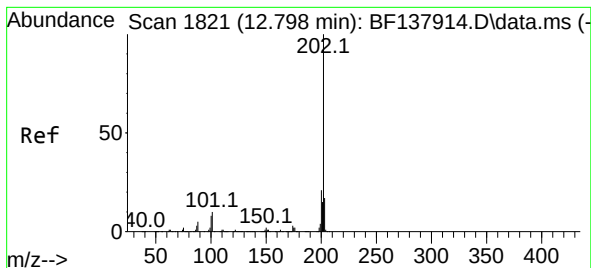
Tgt Ion:178 Resp: 125705
Ion Ratio Lower Upper
178 100
176 19.7 15.2 22.8
179 15.8 12.2 18.4



#72
Anthracene
Concen: 10.947 ng
RT: 11.598 min Scan# 1617
Delta R.T. -0.059 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 14.7 22.1
179 15.8 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

Instrument :

BNA_F

ClientSampleId :

OR-03-052924

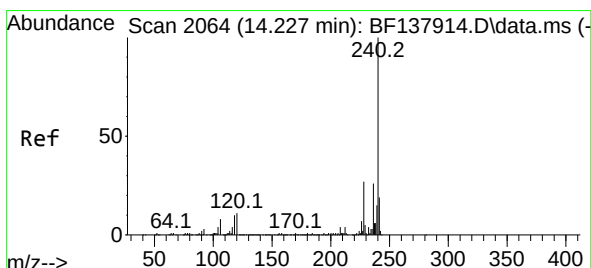
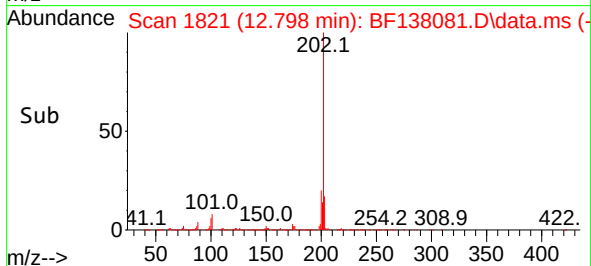
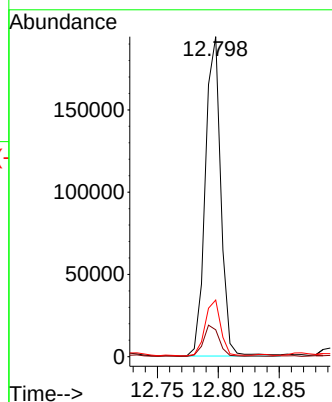
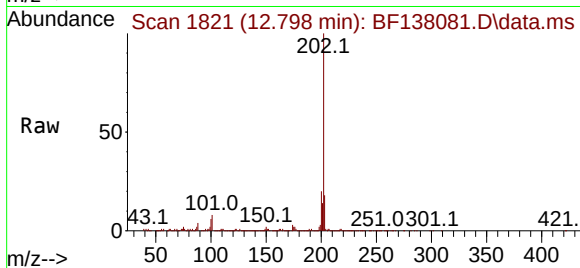
Tgt Ion:202 Resp: 171738

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

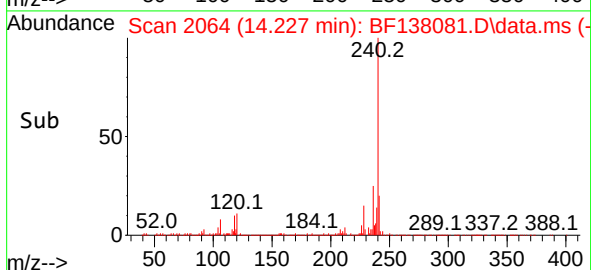
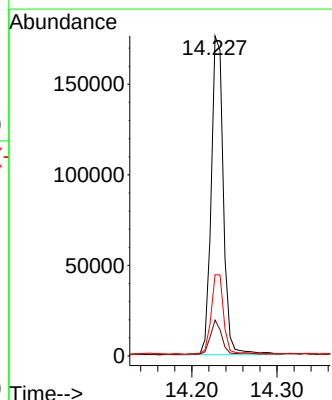
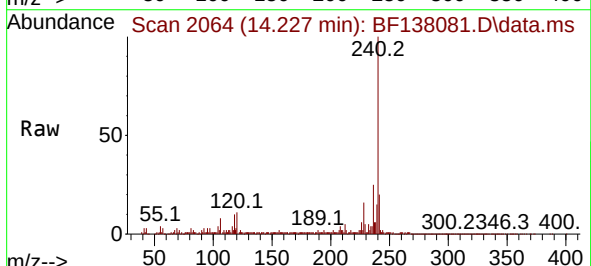
Tgt Ion:240 Resp: 174305

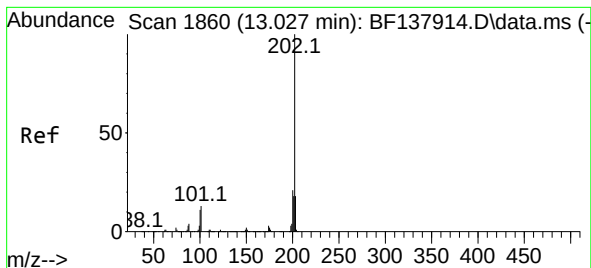
Ion Ratio Lower Upper

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

Instrument :

BNA_F

ClientSampleId :

OR-03-052924

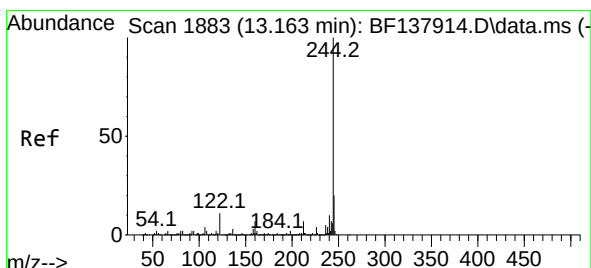
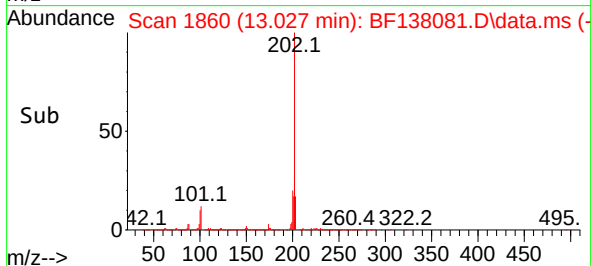
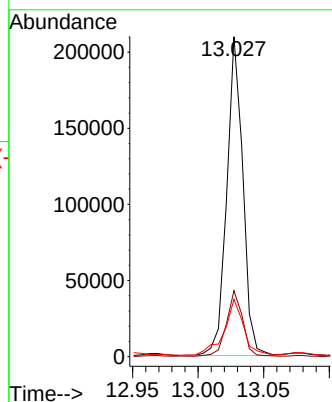
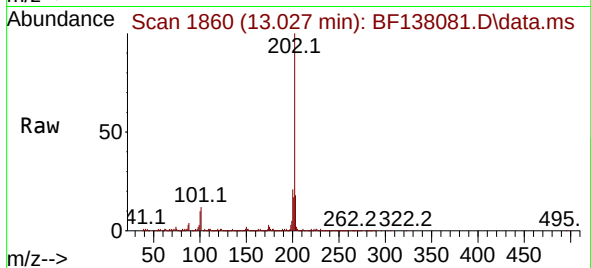
Tgt Ion:202 Resp: 178207

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# 1883

Delta R.T. -0.000 min

Lab File: BF138081.D

Acq: 30 May 2024 17:51

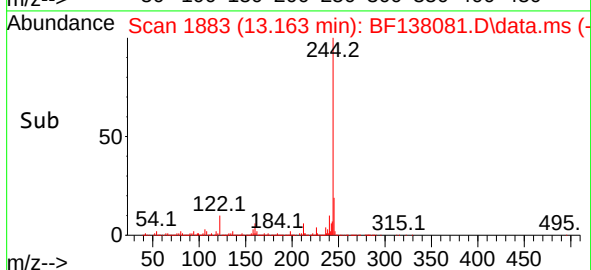
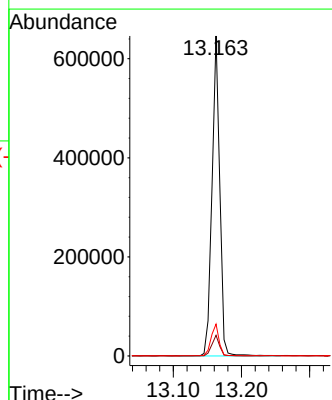
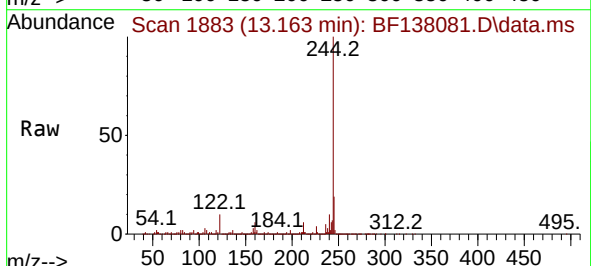
Tgt Ion:244 Resp: 511302

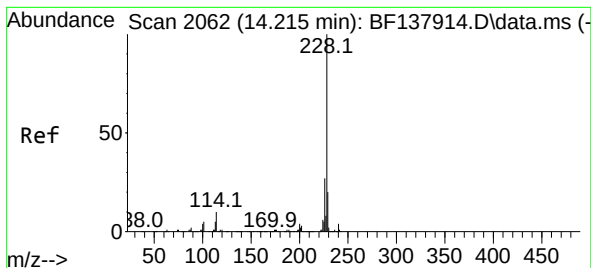
Ion Ratio Lower Upper

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

Instrument :

BNA_F

ClientSampleId :

OR-03-052924

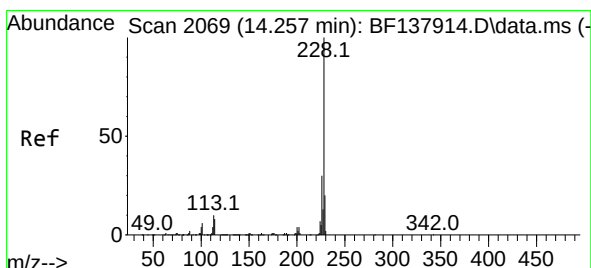
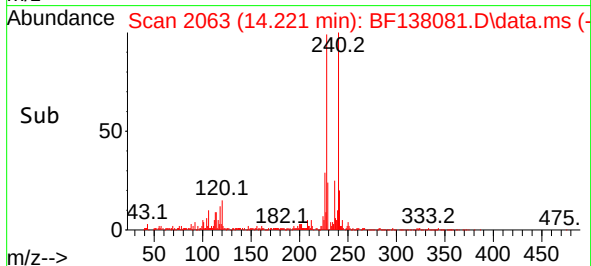
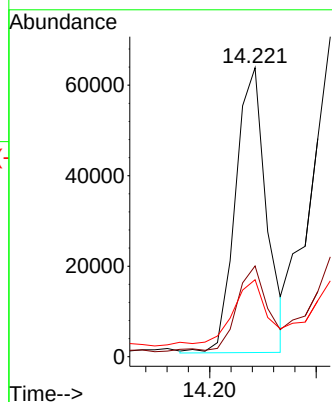
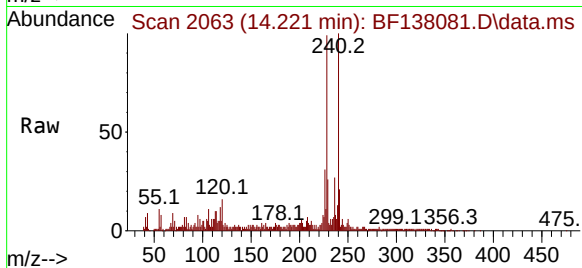
Tgt Ion:228 Resp: 63573

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

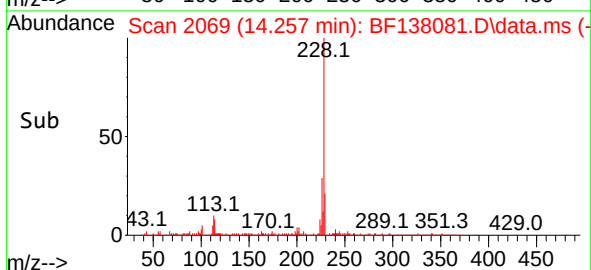
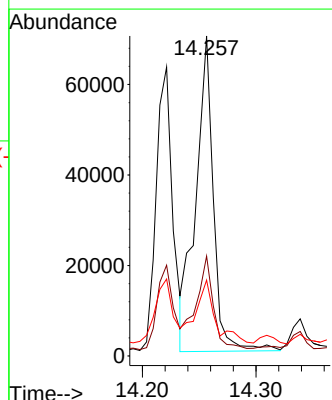
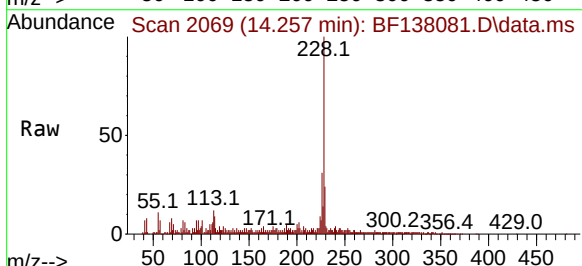
Tgt Ion:228 Resp: 75623

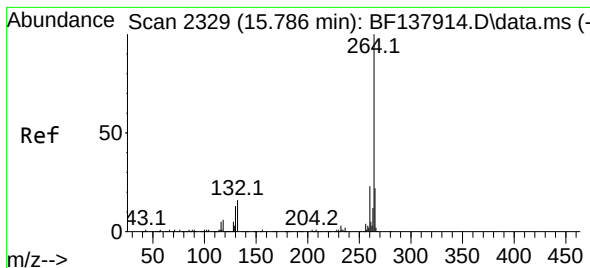
Ion Ratio Lower Upper

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# 21

Delta R.T. 0.018 min

Lab File: BF138081.D

Acq: 30 May 2024 17:51

Instrument :

BNA_F

ClientSampleId :

OR-03-052924

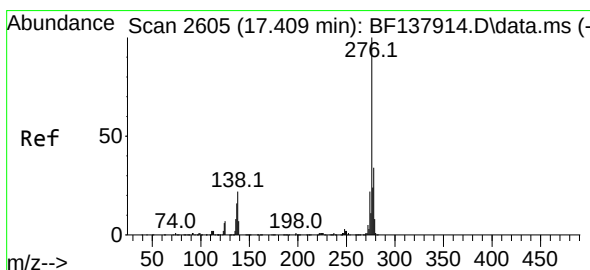
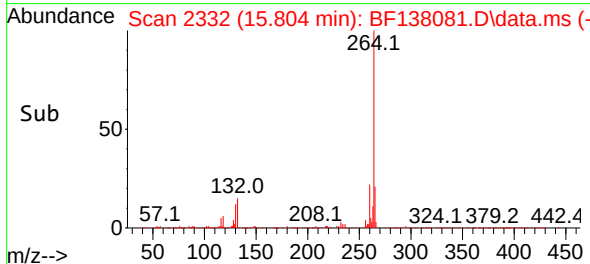
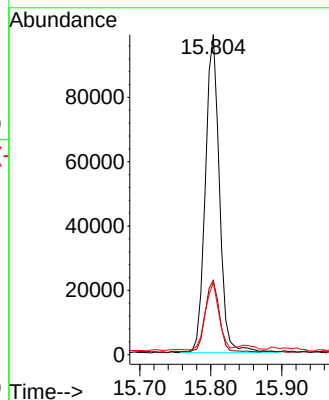
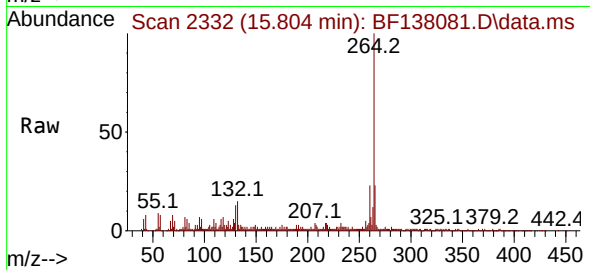
Tgt Ion:264 Resp: 136061

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# 2608

Delta R.T. 0.018 min

Lab File: BF138081.D

Acq: 30 May 2024 17:51

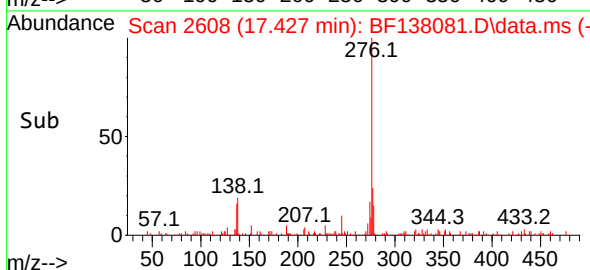
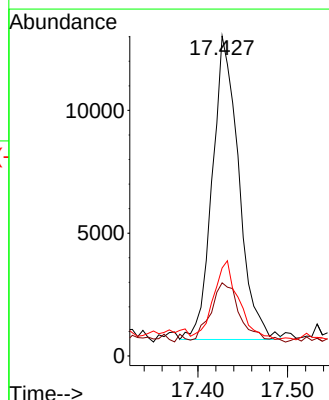
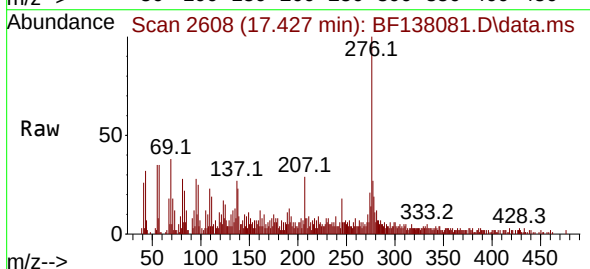
Tgt Ion:276 Resp: 25230

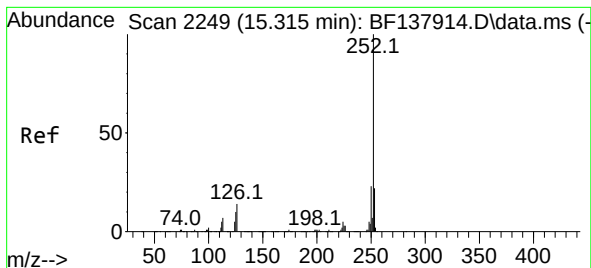
Ion Ratio Lower Upper

276 100

138 22.0 20.6 30.8

277 23.9 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 10.162 ng

RT: 15.327 min Scan# 2251

Delta R.T. 0.012 min

Lab File: BF138081.D

Acq: 30 May 2024 17:51

Instrument :

BNA_F

ClientSampleId :

OR-03-052924

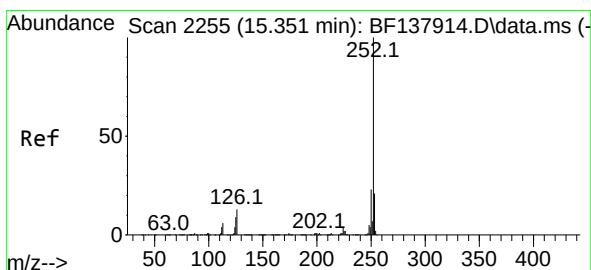
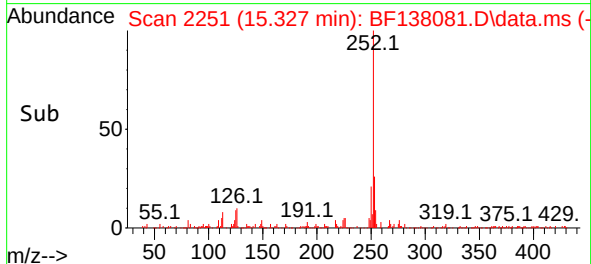
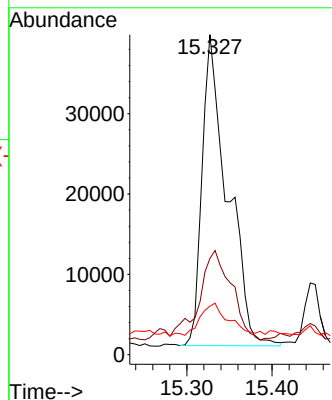
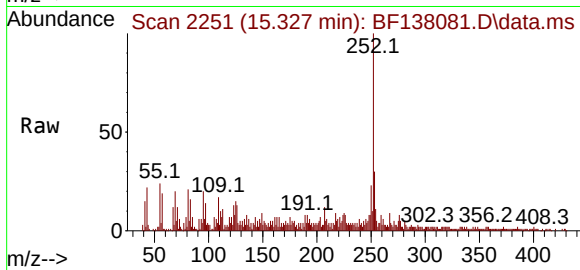
Tgt Ion:252 Resp: 80060

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: 10.345 ng

RT: 15.327 min Scan# 2251

Delta R.T. -0.024 min

Lab File: BF138081.D

Acq: 30 May 2024 17:51

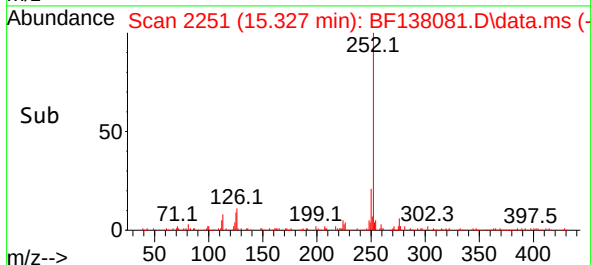
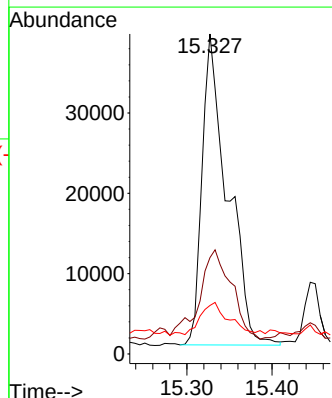
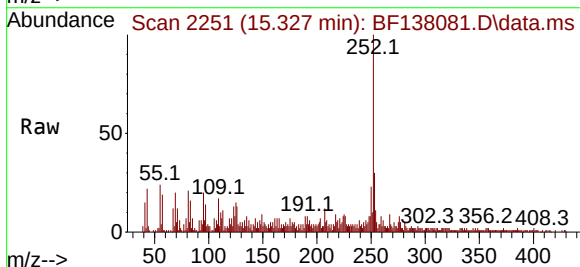
Tgt Ion:252 Resp: 80060

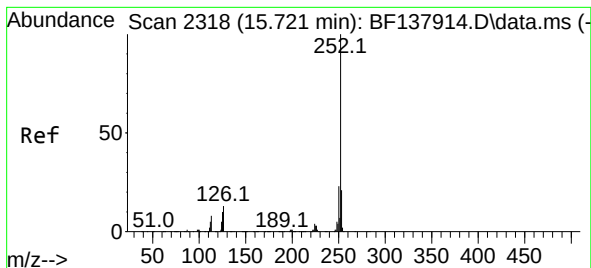
Ion Ratio Lower Upper

252 100

253 30.1 17.4 26.0#

125 15.1 7.7 11.5#





#90

Benzo(a)pyrene

Concen: 6.548 ng

RT: 15.733 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF138081.D

Acq: 30 May 2024 17:51

Instrument :

BNA_F

ClientSampleId :

OR-03-052924

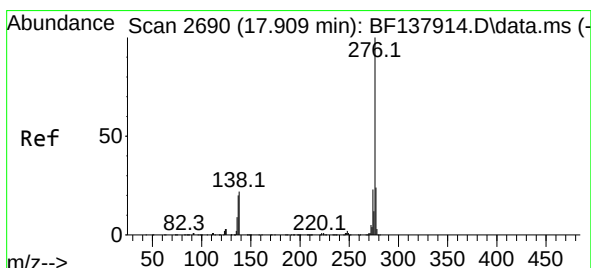
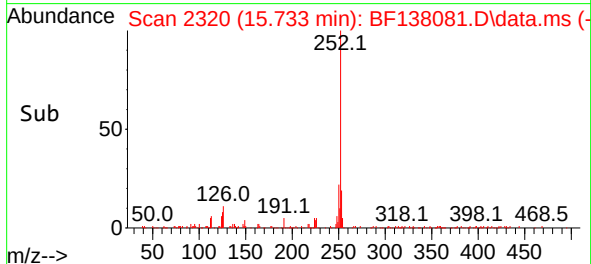
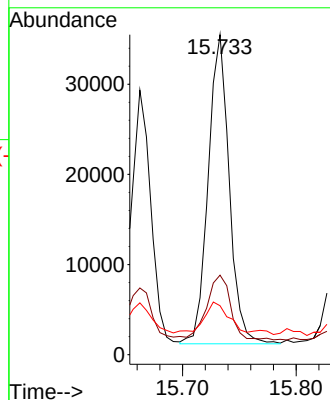
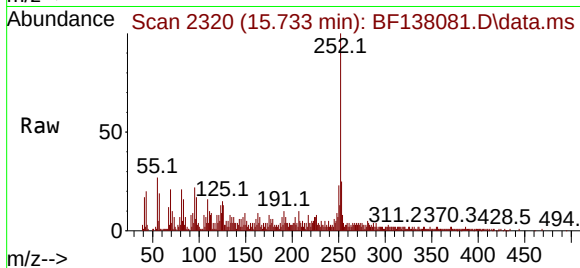
Tgt Ion:252 Resp: 44049

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# 2694

Delta R.T. 0.024 min

Lab File: BF138081.D

Acq: 30 May 2024 17:51

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

