

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071224\
 Data File : BF138559.D
 Acq On : 12 Jul 2024 21:39
 Operator : CG\JU
 Sample : P3211-01 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-07102024

Quant Time: Jul 12 23:14:58 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 09 16:58:40 2024
 Response via : Initial Calibration

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

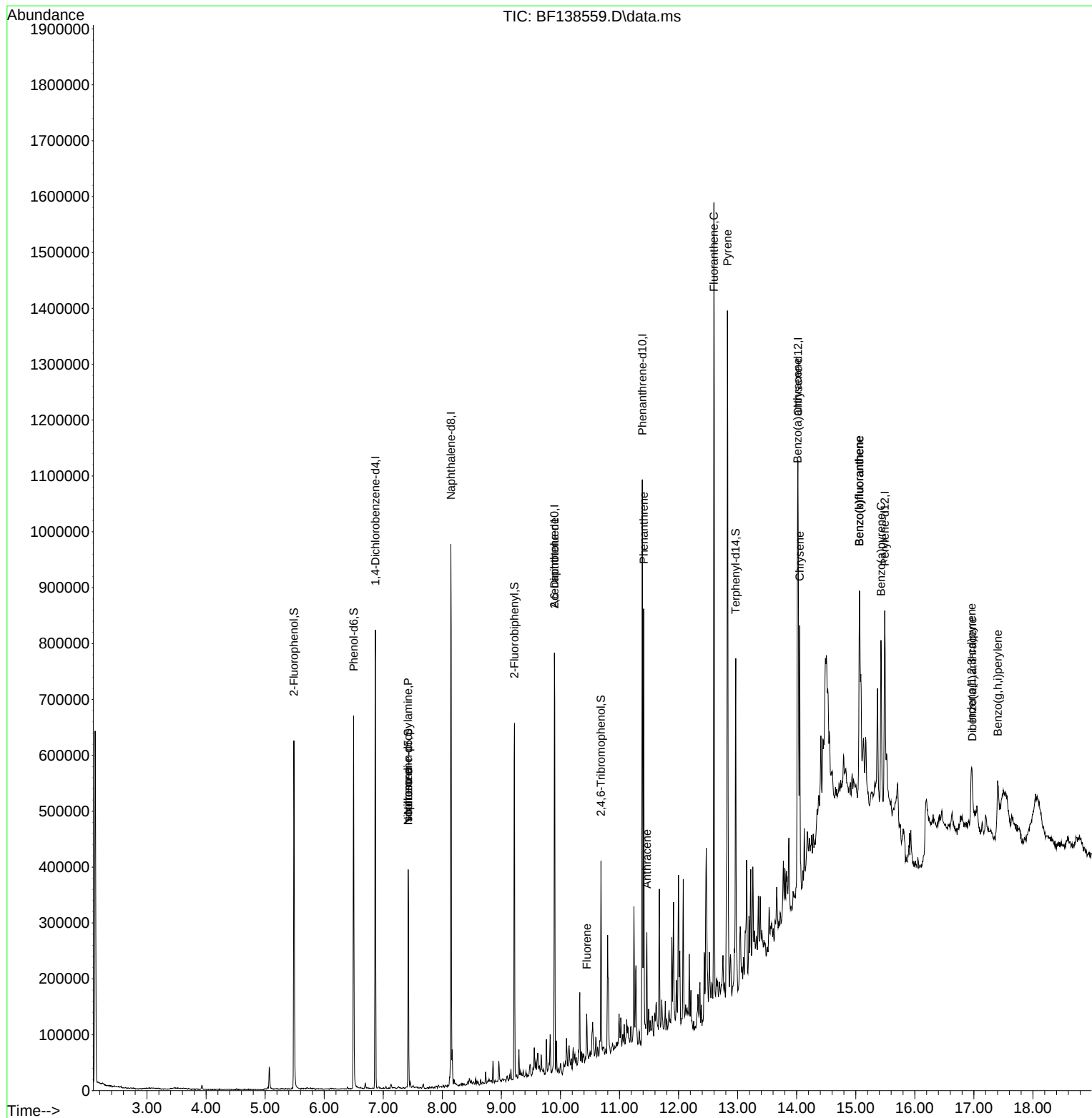
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	113186	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	387701	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	153621	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	322010	20.000	ng	0.00
76) Chrysene-d12	14.021	240	181015	20.000	ng	0.00
86) Perylene-d12	15.492	264	162895	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	154682	21.644	ng	0.00
7) Phenol-d6	6.498	99	188669	19.845	ng	0.00
23) Nitrobenzene-d5	7.422	82	107996	13.676	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	31573	21.991	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	181959	18.512	ng	0.00
79) Terphenyl-d14	12.968	244	181908	16.372	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	13593	2.314	ng	# 79
25) Isophorone	7.422	82	107995	7.964	ng	# 67
51) 2,6-Dinitrotoluene	9.898	165	21127	9.237	ng	# 24
58) Fluorene	10.445	166	21816	2.290	ng	93
71) Phenanthrene	11.410	178	248284	15.262	ng	99
72) Anthracene	11.463	178	67488	4.179	ng	99
75) Fluoranthene	12.598	202	523019	31.507	ng	97
78) Pyrene	12.827	202	485640	26.429	ng	99
81) Benzo(a)anthracene	14.015	228	194046	15.976	ng	96
83) Chrysene	14.051	228	188889	16.439	ng	99
87) Indeno(1,2,3-cd)pyrene	16.962	276	79246	7.243	ng	96
88) Benzo(b)fluoranthene	15.062	252	257953	28.119	ng	# 96
89) Benzo(k)fluoranthene	15.062	252	257953	28.831	ng	# 96
90) Benzo(a)pyrene	15.427	252	142909	17.733	ng	# 96
91) Dibenzo(a,h)anthracene	16.974	278	19521	2.181	ng	# 68
92) Benzo(g,h,i)perylene	17.403	276	80019	8.431	ng	# 93

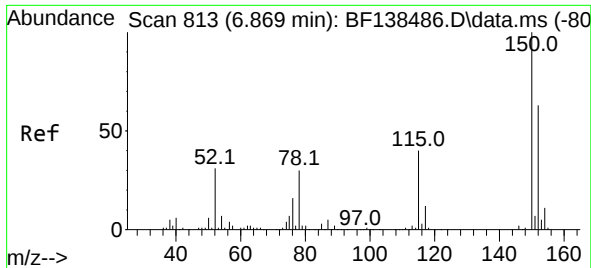
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071224\
Data File : BF138559.D
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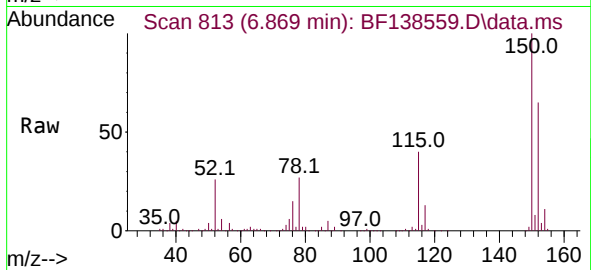
Quant Time: Jul 12 23:14:58 2024
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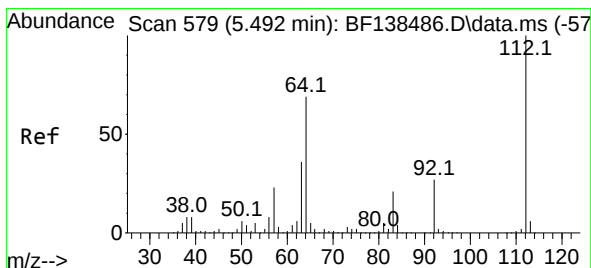
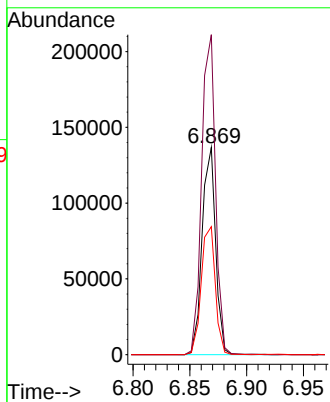
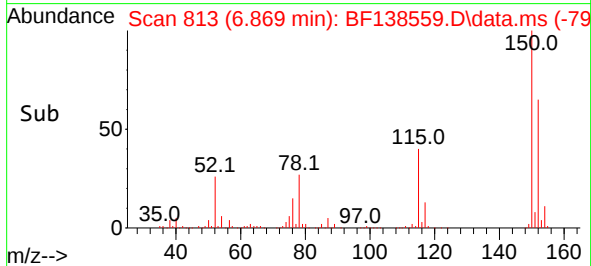


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.000 min
Lab File: BF138559.D
Acq: 12 Jul 2024 21:39

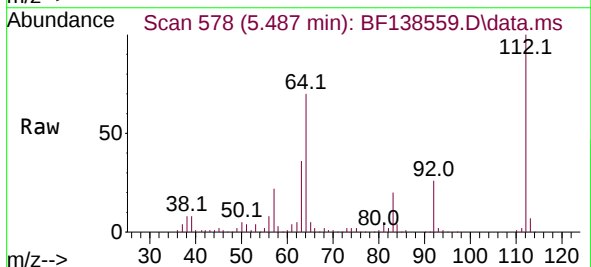
Instrument :
BNA_F
ClientSampleId :
TR-04-07102024



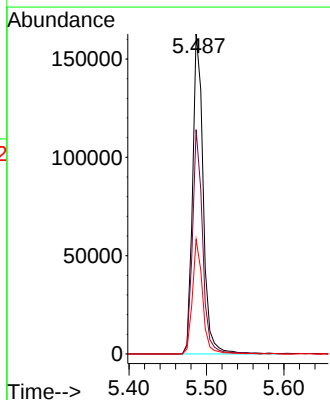
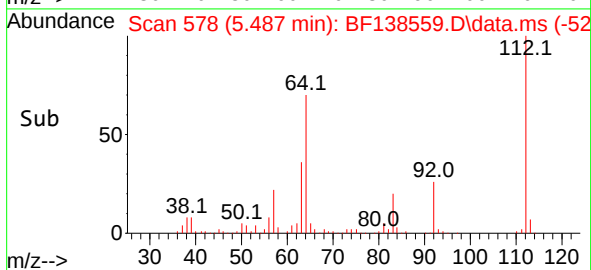
Tgt Ion:152 Resp: 113186
Ion Ratio Lower Upper
152 100
150 154.4 126.2 189.4
115 61.7 50.3 75.5



#5
2-Fluorophenol
Concen: 21.644 ng
RT: 5.487 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF138559.D
Acq: 12 Jul 2024 21:39



Tgt Ion:112 Resp: 154682
Ion Ratio Lower Upper
112 100
64 70.1 55.1 82.7
63 35.8 29.0 43.6

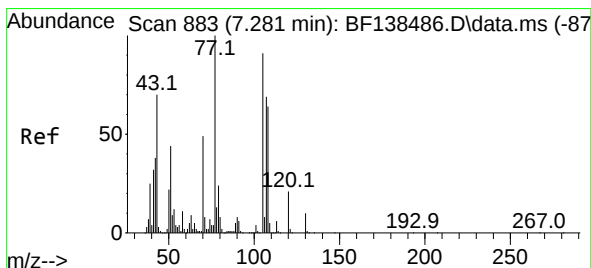
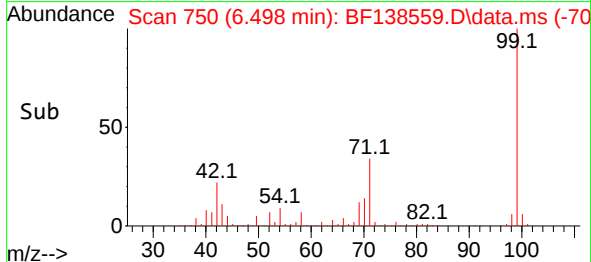
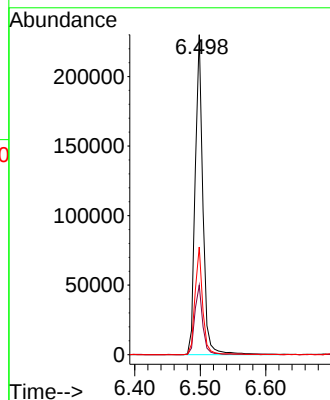
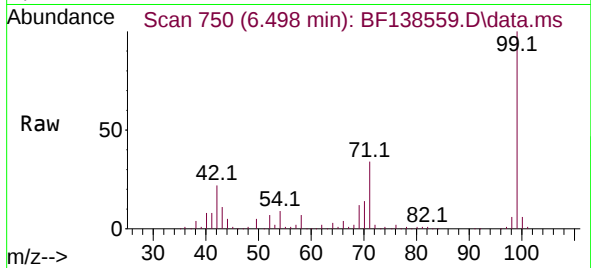




#7
Phenol-d6
Concen: 19.845 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF138559.D
Acq: 12 Jul 2024 21:39

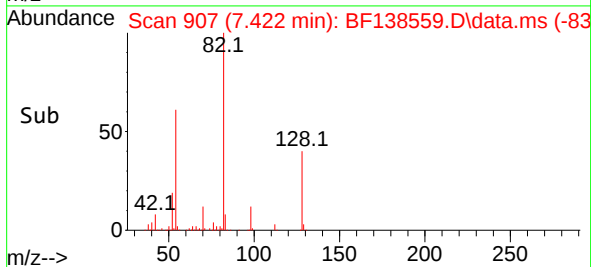
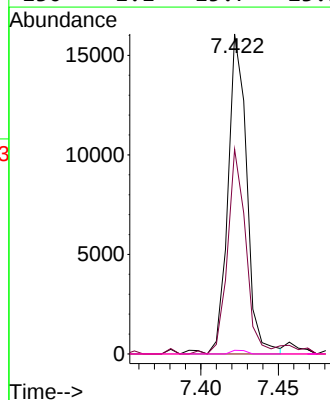
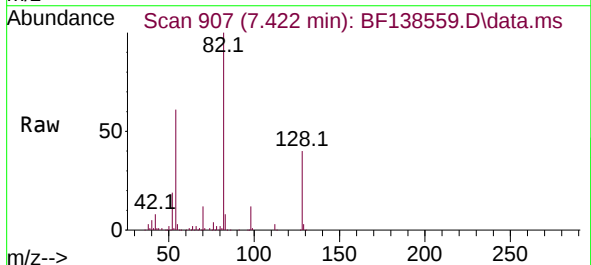
Instrument :
BNA_F
ClientSampleId :
TR-04-07102024

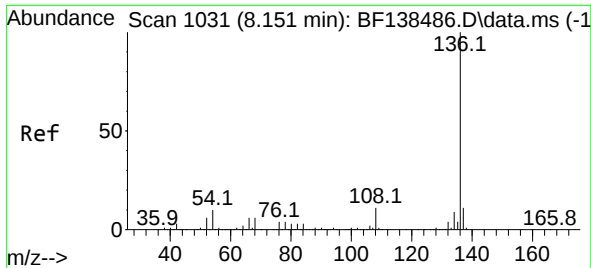
Tgt Ion: 99 Resp: 188669
Ion Ratio Lower Upper
99 100
42 21.7 19.7 29.5
71 33.6 29.9 44.9



#19
n-Nitroso-di-n-propylamine
Concen: 2.314 ng
RT: 7.422 min Scan# 907
Delta R.T. 0.141 min
Lab File: BF138559.D
Acq: 12 Jul 2024 21:39

Tgt Ion: 70 Resp: 13593
Ion Ratio Lower Upper
70 100
42 64.0 62.4 93.6
101 0.0 7.2 10.8#
130 1.1 15.7 23.5#

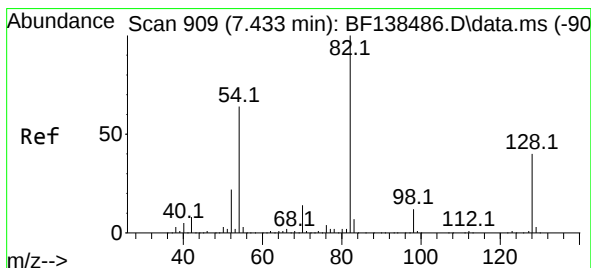
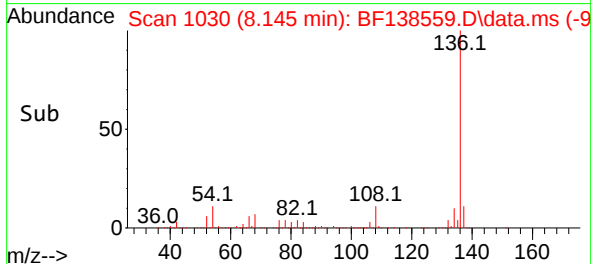
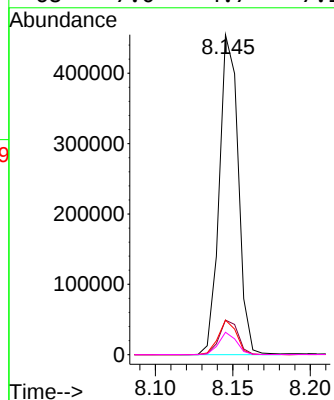
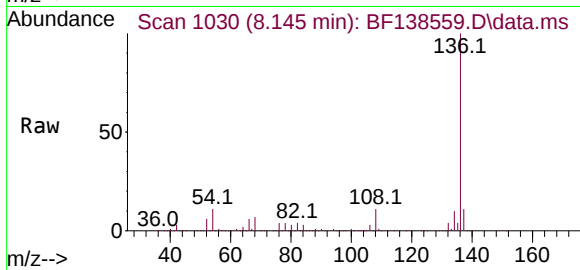




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF138559.D
Acq: 12 Jul 2024 21:39

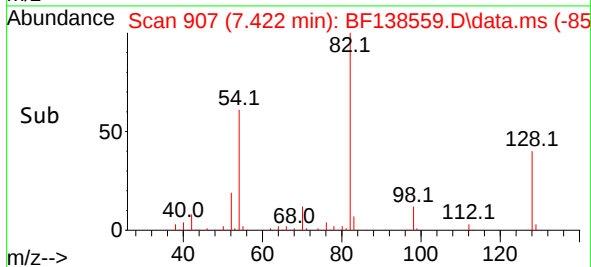
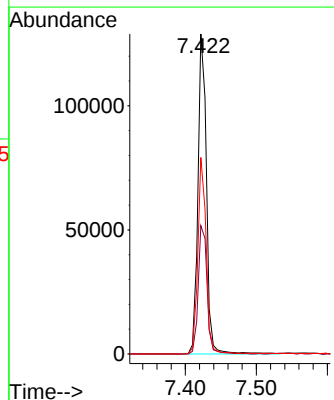
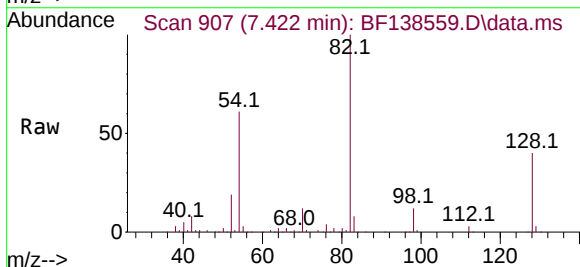
Instrument :
BNA_F
ClientSampleId :
TR-04-07102024

Tgt Ion:136 Resp: 387701
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 10.8 8.1 12.1
68 7.0 4.7 7.1



#23
Nitrobenzene-d5
Concen: 13.676 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.012 min
Lab File: BF138559.D
Acq: 12 Jul 2024 21:39

Tgt Ion: 82 Resp: 107996
Ion Ratio Lower Upper
82 100
128 40.1 32.3 48.5
54 61.4 51.4 77.0

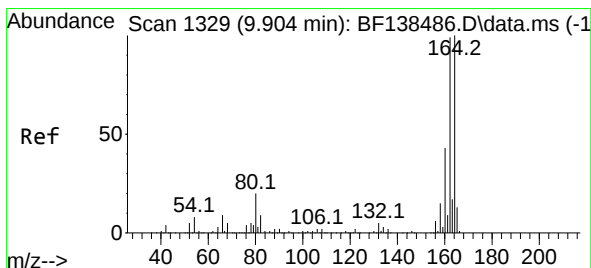
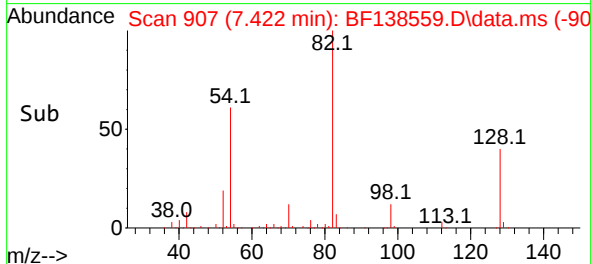
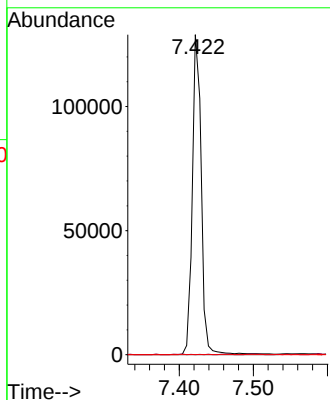
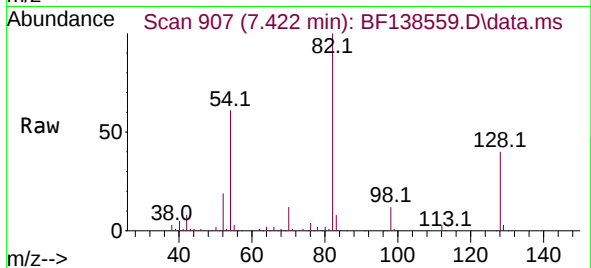




#25
Isophorone
Concen: 7.964 ng
RT: 7.422 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF138559.D
Acq: 12 Jul 2024 21:39

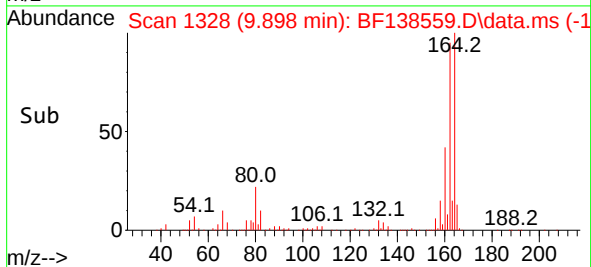
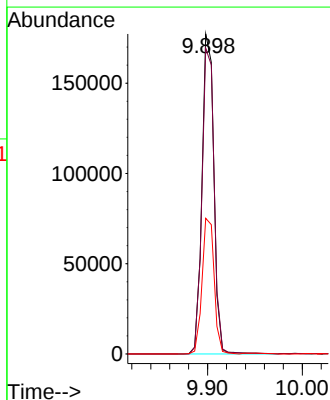
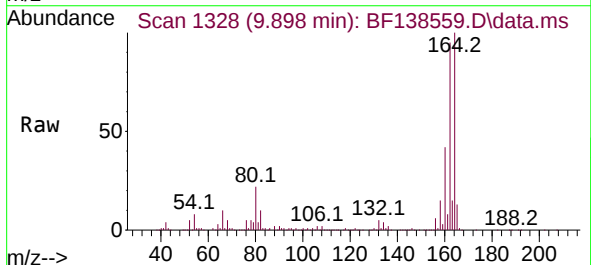
Instrument :
BNA_F
ClientSampleId :
TR-04-07102024

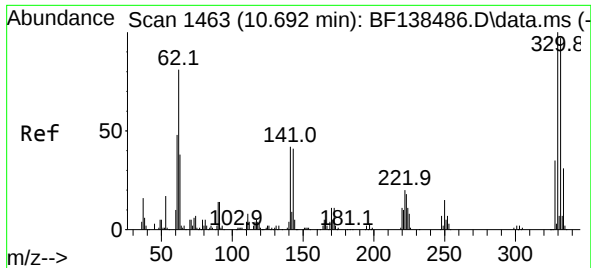
Tgt Ion: 82 Resp: 107995
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 12.8 19.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF138559.D
Acq: 12 Jul 2024 21:39

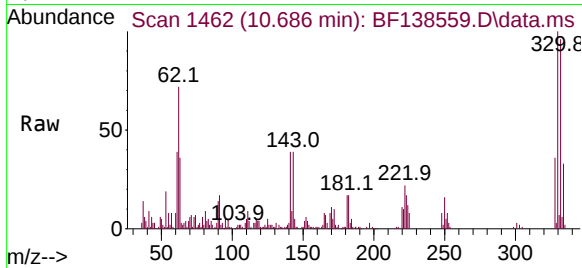
Tgt Ion:164 Resp: 153621
Ion Ratio Lower Upper
164 100
162 95.5 79.0 118.6
160 42.4 34.4 51.6



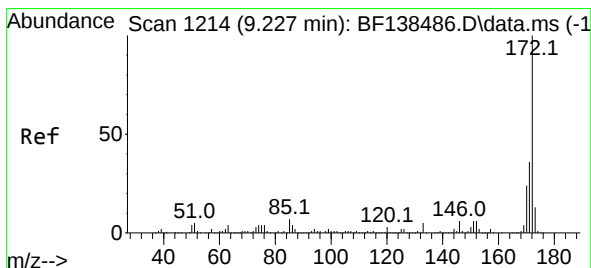
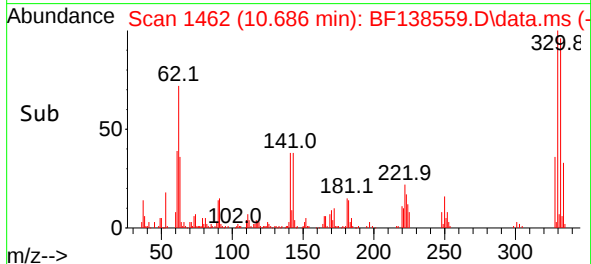
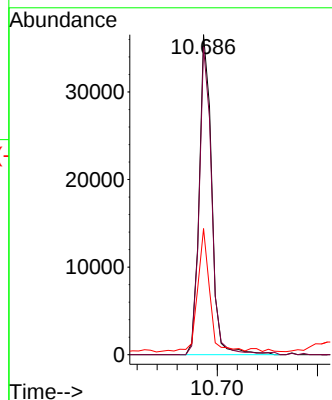


#42
2,4,6-Tribromophenol
Concen: 21.991 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF138559.D
Acq: 12 Jul 2024 21:39

Instrument :
BNA_F
ClientSampleId :
TR-04-07102024

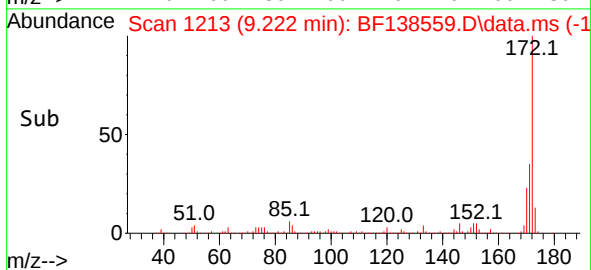
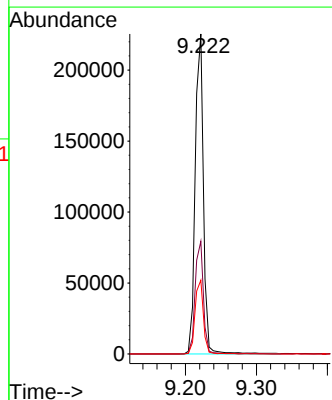
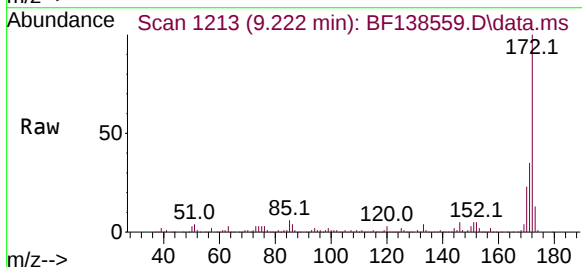


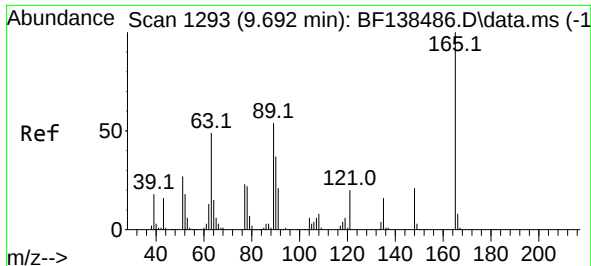
Tgt Ion: 330 Resp: 31573
Ion Ratio Lower Upper
330 100
332 96.4 76.8 115.2
141 37.2 29.4 44.2



#45
2-Fluorobiphenyl
Concen: 18.512 ng
RT: 9.222 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF138559.D
Acq: 12 Jul 2024 21:39

Tgt Ion: 172 Resp: 181959
Ion Ratio Lower Upper
172 100
171 35.2 28.9 43.3
170 23.0 18.9 28.3

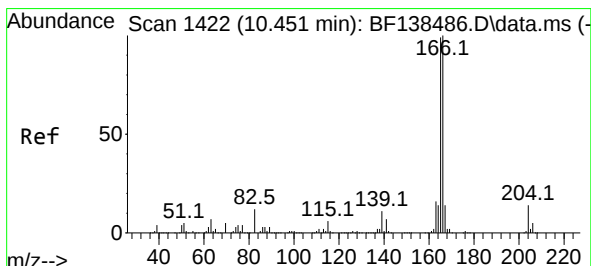
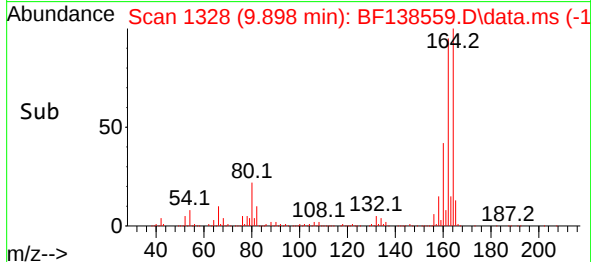
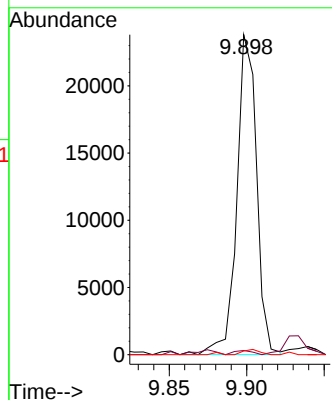
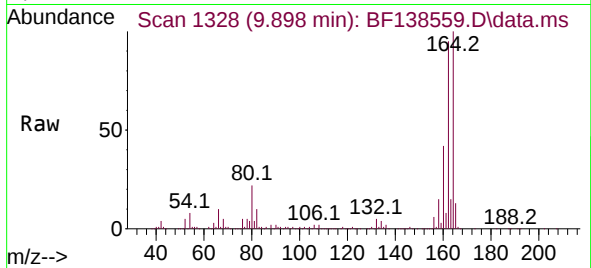




#51
2,6-Dinitrotoluene
Concen: 9.237 ng
RT: 9.898 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF138559.D
Acq: 12 Jul 2024 21:39

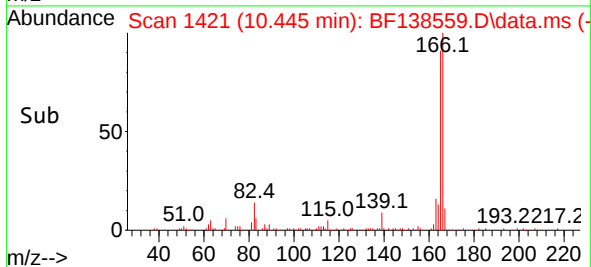
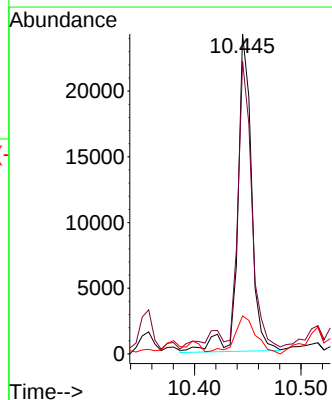
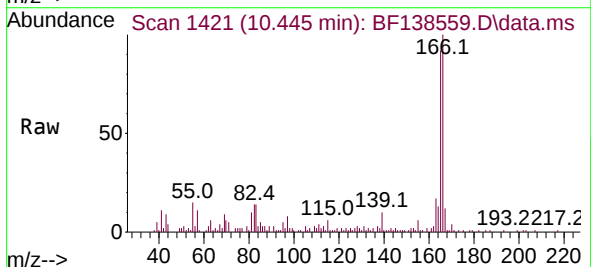
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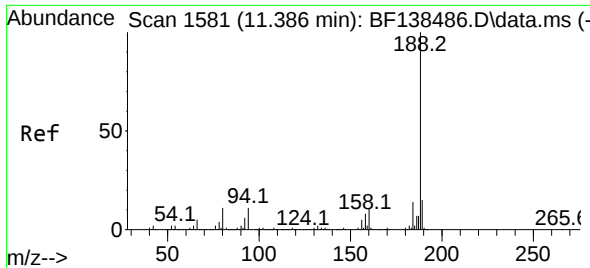
Tgt Ion:165 Resp: 21127
Ion Ratio Lower Upper
165 100
63 1.3 48.1 72.1#
89 1.1 43.0 64.6#



#58
Fluorene
Concen: 2.290 ng
RT: 10.445 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF138559.D
Acq: 12 Jul 2024 21:39

Tgt Ion:166 Resp: 21816
Ion Ratio Lower Upper
166 100
165 91.5 79.1 118.7
167 11.9 11.0 16.6

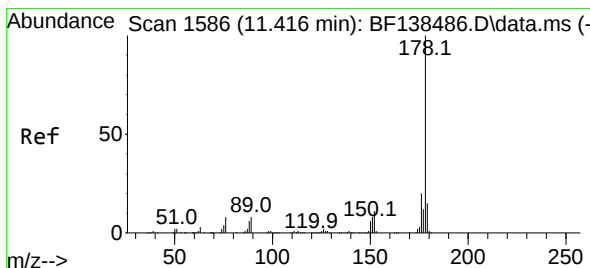
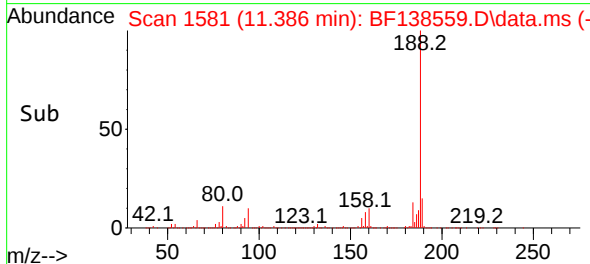
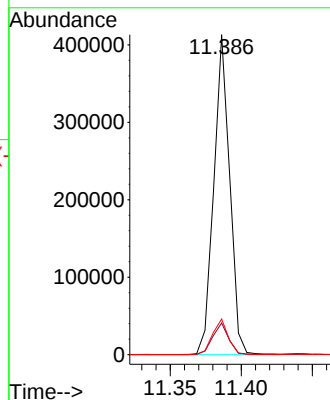
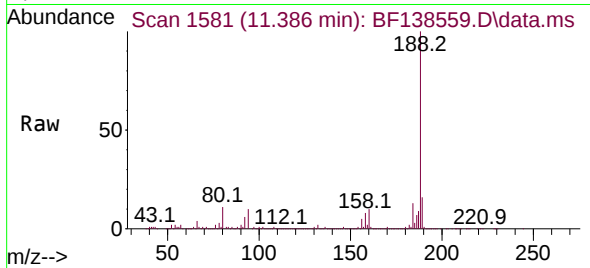




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138559.D
Acq: 12 Jul 2024 21:39

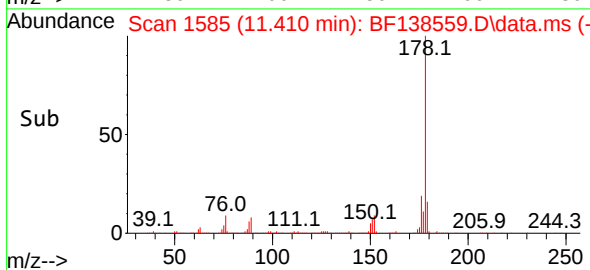
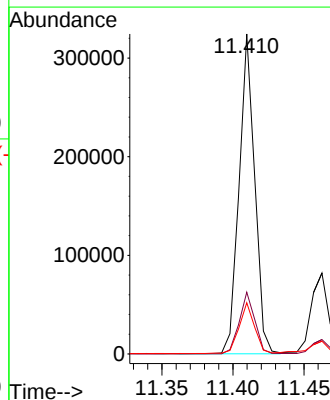
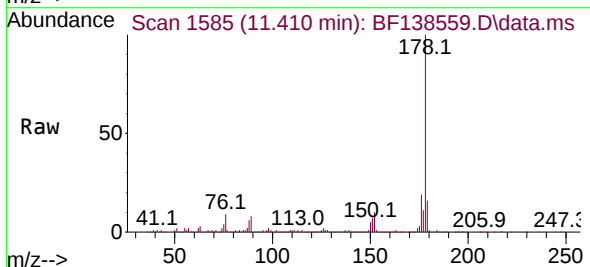
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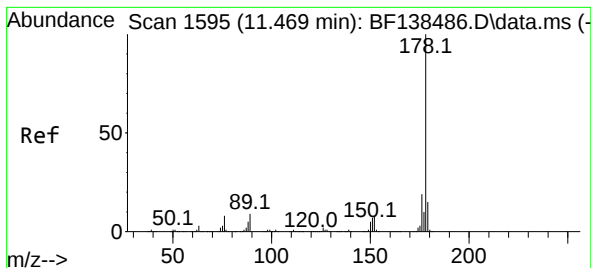
Tgt Ion:188 Resp: 322010
Ion Ratio Lower Upper
188 100
94 9.9 8.7 13.1
80 11.1 9.0 13.4



#71
Phenanthrene
Concen: 15.262 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF138559.D
Acq: 12 Jul 2024 21:39

Tgt Ion:178 Resp: 248284
Ion Ratio Lower Upper
178 100
176 19.3 15.7 23.5
179 16.0 12.2 18.2





#72

Anthracene

Concen: 4.179 ng

RT: 11.463 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138559.D

Acq: 12 Jul 2024 21:39

Instrument :

BNA_F

ClientSampleId :

TR-04-07102024

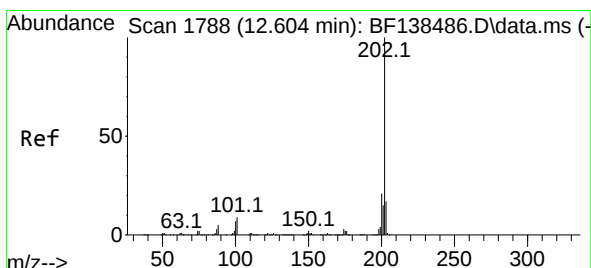
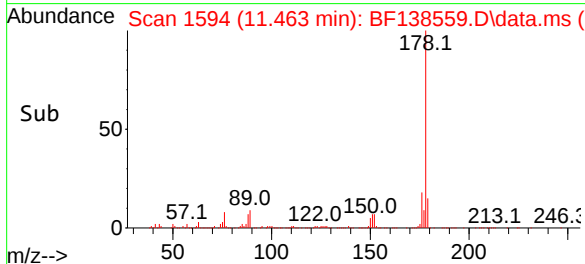
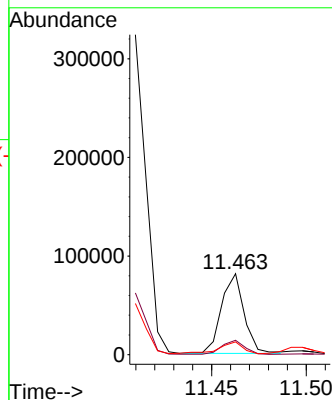
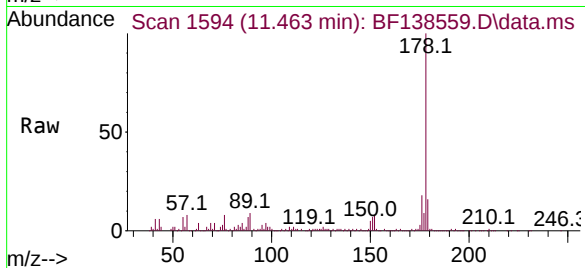
Tgt Ion:178 Resp: 67488

Ion Ratio Lower Upper

178 100

176 17.9 14.8 22.2

179 15.8 12.2 18.4



#75

Fluoranthene

Concen: 31.507 ng

RT: 12.598 min Scan# 1787

Delta R.T. -0.006 min

Lab File: BF138559.D

Acq: 12 Jul 2024 21:39

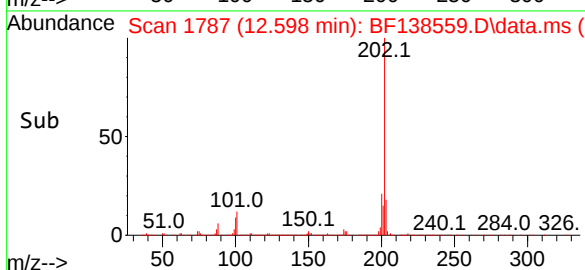
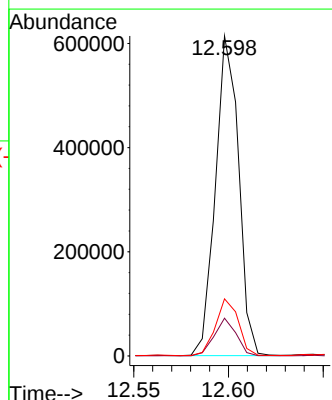
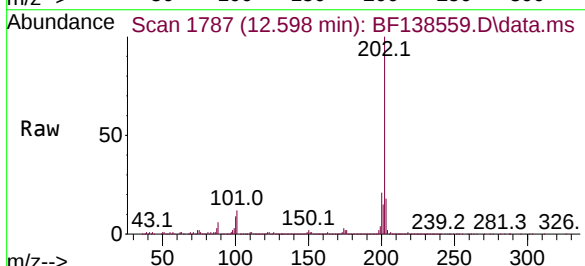
Tgt Ion:202 Resp: 523019

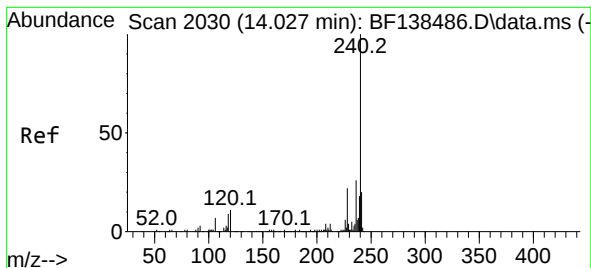
Ion Ratio Lower Upper

202 100

101 11.8 0.0 29.2

203 17.8 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.021 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF138559.D

Acq: 12 Jul 2024 21:39

Instrument :

BNA_F

ClientSampleId :

TR-04-07102024

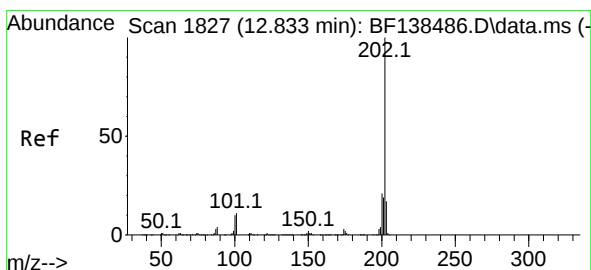
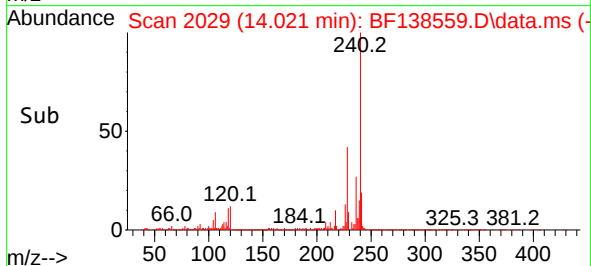
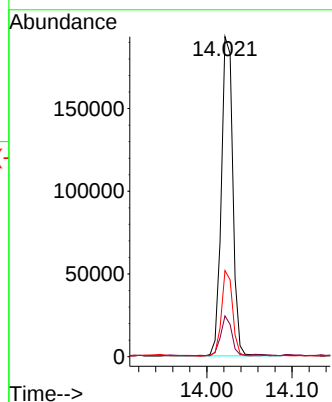
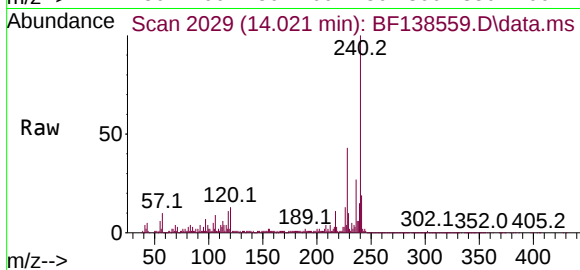
Tgt Ion:240 Resp: 181015

Ion Ratio Lower Upper

240 100

120 12.8 8.6 12.8

236 26.9 21.0 31.6



#78

Pyrene

Concen: 26.429 ng

RT: 12.827 min Scan# 1826

Delta R.T. -0.006 min

Lab File: BF138559.D

Acq: 12 Jul 2024 21:39

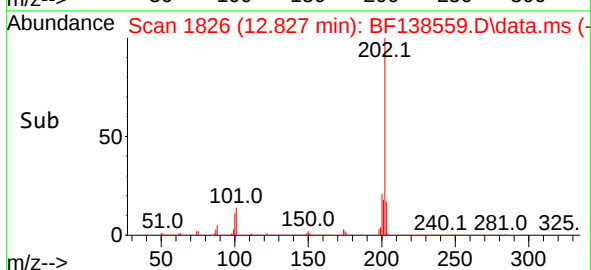
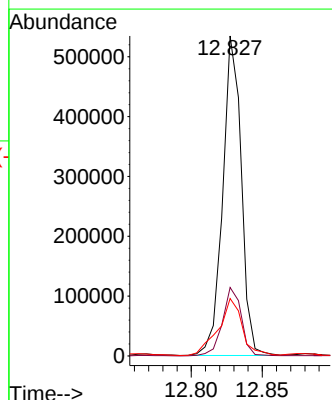
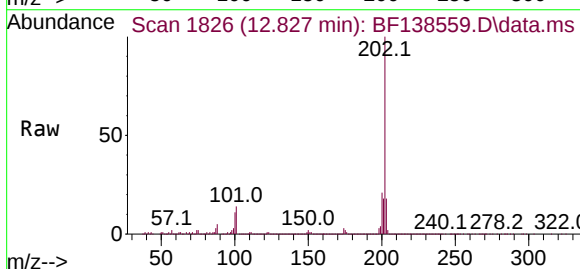
Tgt Ion:202 Resp: 485640

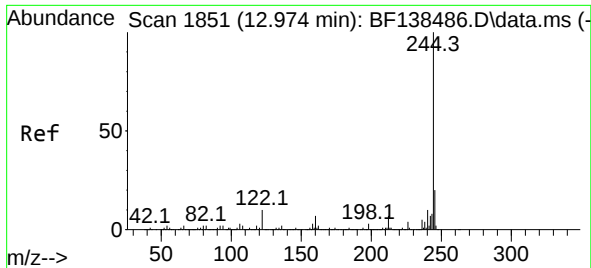
Ion Ratio Lower Upper

202 100

200 21.4 17.0 25.6

203 18.0 13.7 20.5





#79

Terphenyl-d14

Concen: 16.372 ng

RT: 12.968 min Scan# 1850

Delta R.T. -0.006 min

Lab File: BF138559.D

Acq: 12 Jul 2024 21:39

Instrument :

BNA_F

ClientSampleId :

TR-04-07102024

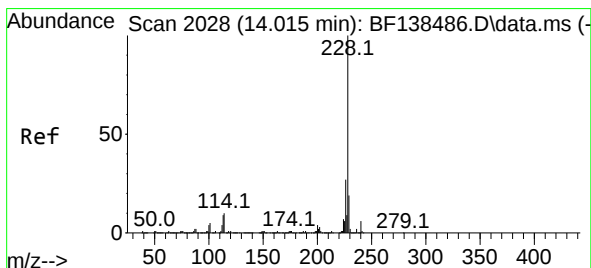
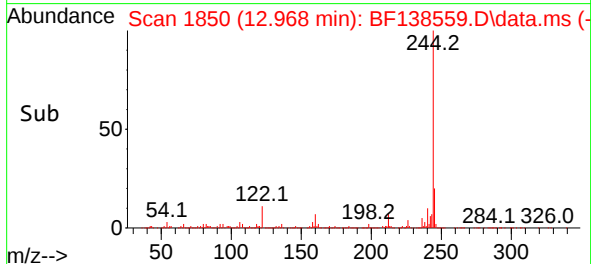
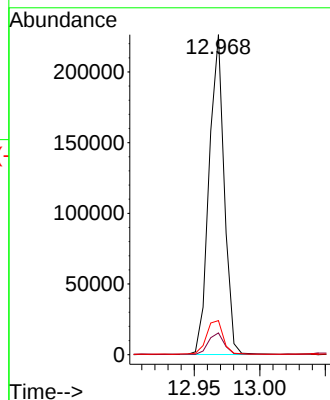
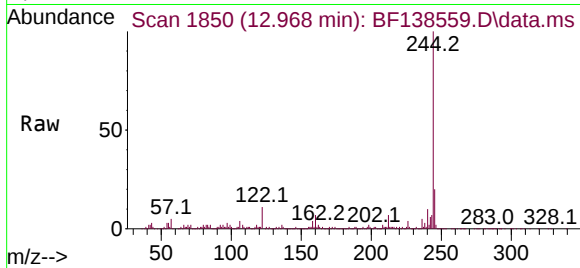
Tgt Ion:244 Resp: 181908

Ion Ratio Lower Upper

244 100

212 6.8 5.5 8.3

122 10.7 7.8 11.8



#81

Benzo(a)anthracene

Concen: 15.976 ng

RT: 14.015 min Scan# 2028

Delta R.T. 0.000 min

Lab File: BF138559.D

Acq: 12 Jul 2024 21:39

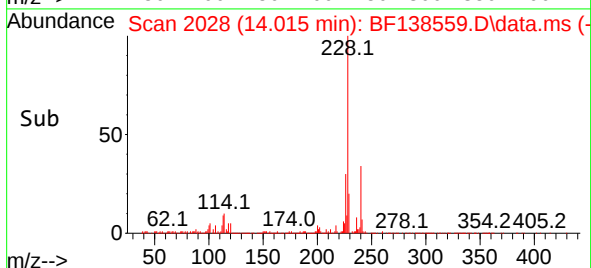
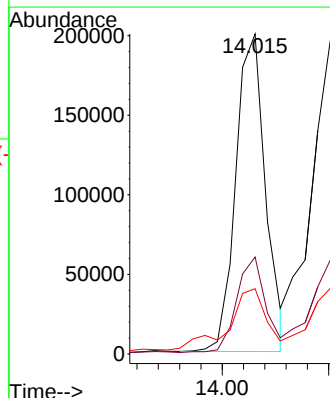
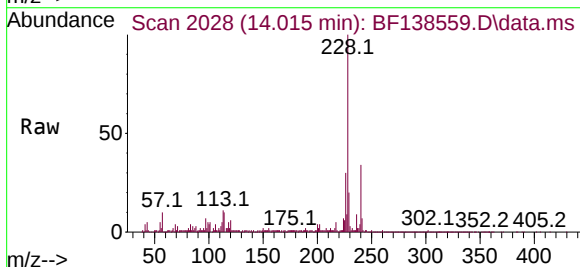
Tgt Ion:228 Resp: 194046

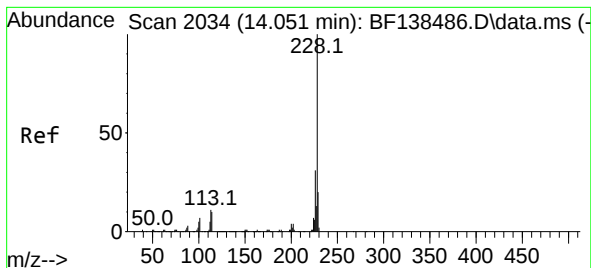
Ion Ratio Lower Upper

228 100

226 30.3 21.9 32.9

229 20.4 15.5 23.3





#83

Chrysene

Concen: 16.439 ng

RT: 14.051 min Scan# 2034

Delta R.T. 0.000 min

Lab File: BF138559.D

Acq: 12 Jul 2024 21:39

Instrument :

BNA_F

ClientSampleId :

TR-04-07102024

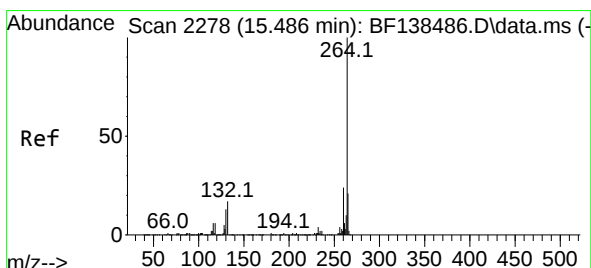
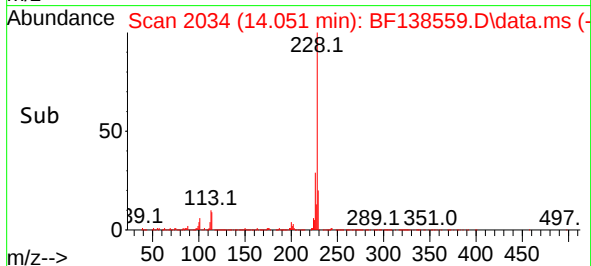
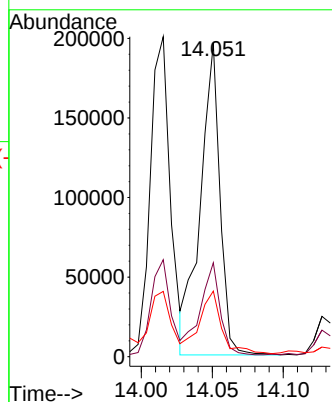
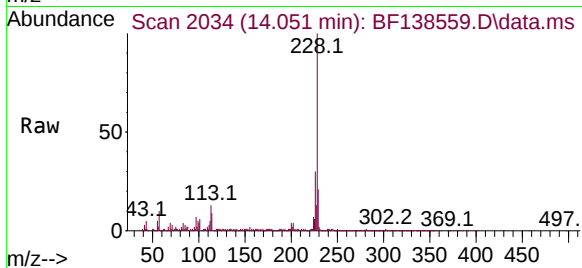
Tgt Ion:228 Resp: 188889

Ion Ratio Lower Upper

228 100

226 30.0 24.4 36.6

229 20.9 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 2279

Delta R.T. 0.006 min

Lab File: BF138559.D

Acq: 12 Jul 2024 21:39

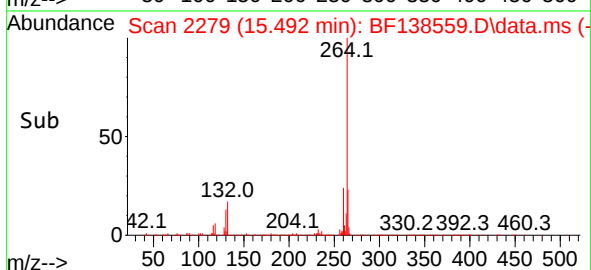
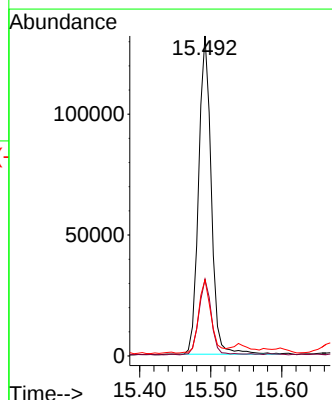
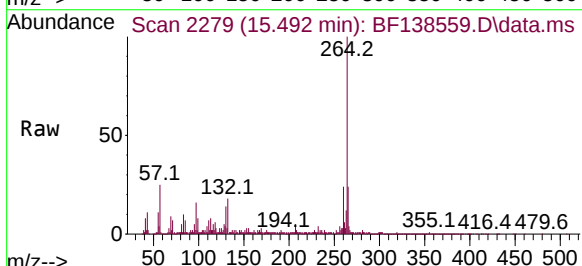
Tgt Ion:264 Resp: 162895

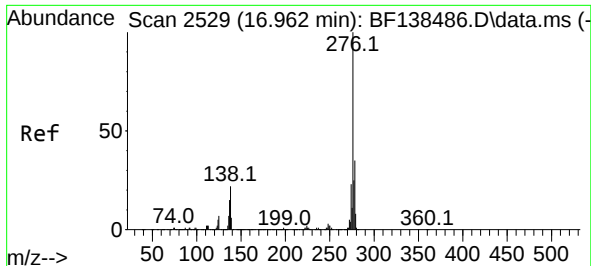
Ion Ratio Lower Upper

264 100

260 23.9 19.0 28.6

265 23.8 17.0 25.4

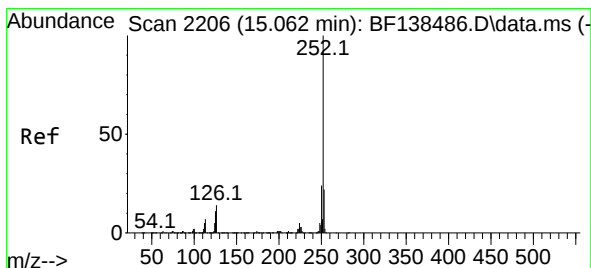
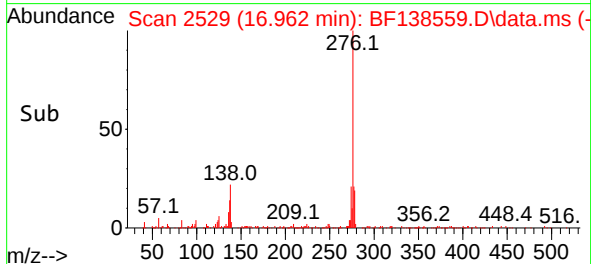
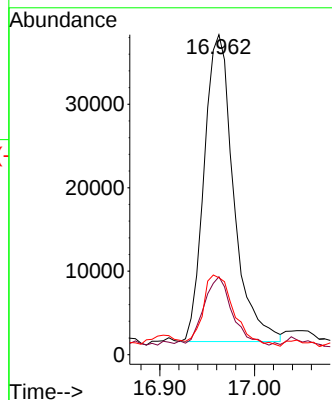
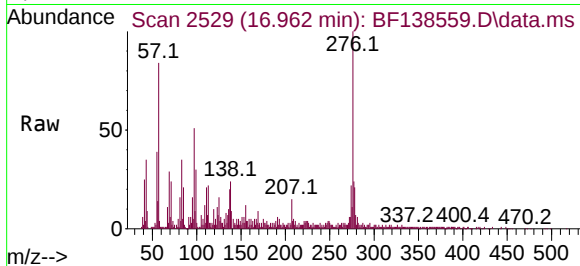




#87
Indeno(1,2,3-cd)pyrene
Concen: 7.243 ng
RT: 16.962 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF138559.D
Acq: 12 Jul 2024 21:39

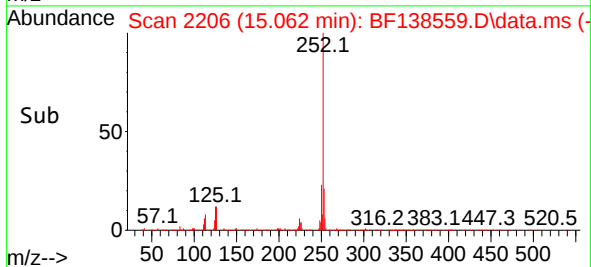
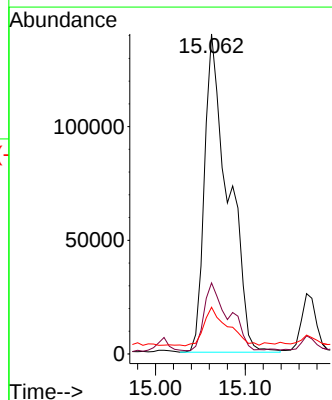
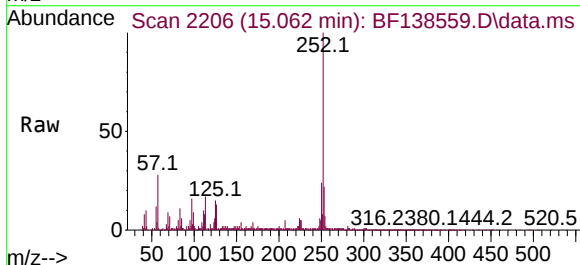
Instrument :
BNA_F
ClientSampleId :
TR-04-07102024

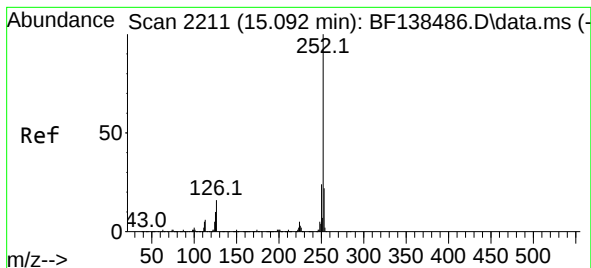
Tgt Ion:276 Resp: 79246
Ion Ratio Lower Upper
276 100
138 21.6 19.6 29.4
277 24.4 20.5 30.7



#88
Benzo(b)fluoranthene
Concen: 28.119 ng
RT: 15.062 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BF138559.D
Acq: 12 Jul 2024 21:39

Tgt Ion:252 Resp: 257953
Ion Ratio Lower Upper
252 100
253 22.2 17.3 25.9
125 14.6 8.6 13.0#





#89

Benzo(k)fluoranthene

Concen: 28.831 ng

RT: 15.062 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF138559.D

Acq: 12 Jul 2024 21:39

Instrument :

BNA_F

ClientSampleId :

TR-04-07102024

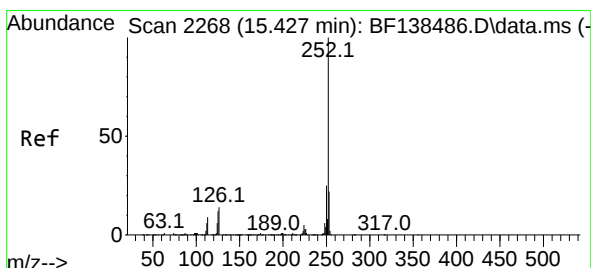
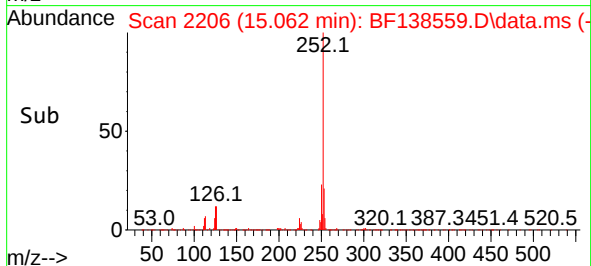
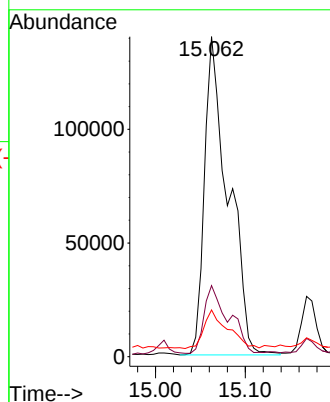
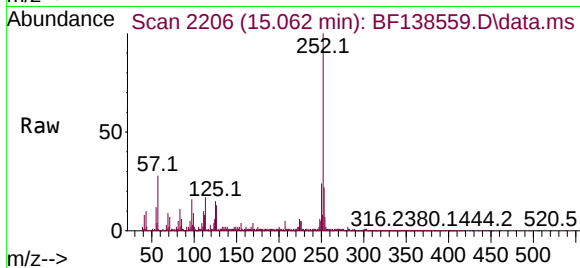
Tgt Ion:252 Resp: 257953

Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

125 14.6 8.1 12.1#



#90

Benzo(a)pyrene

Concen: 17.733 ng

RT: 15.427 min Scan# 2268

Delta R.T. 0.000 min

Lab File: BF138559.D

Acq: 12 Jul 2024 21:39

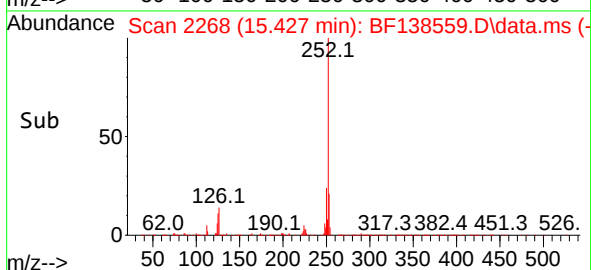
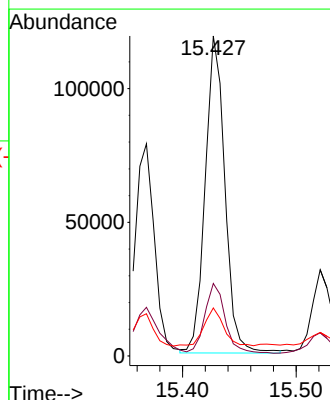
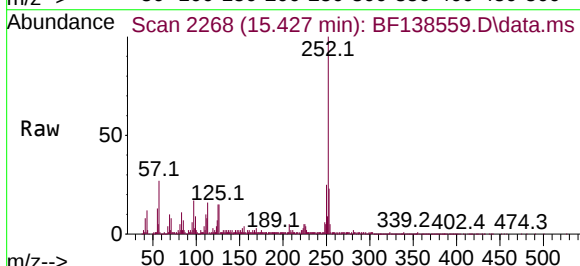
Tgt Ion:252 Resp: 142909

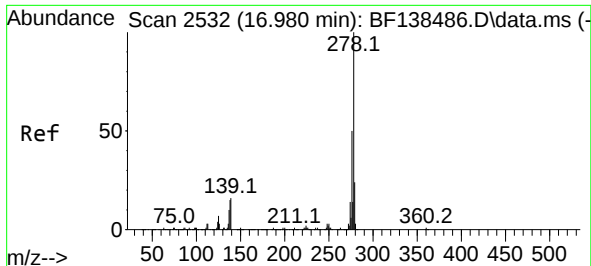
Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.0

125 15.0 9.4 14.2#

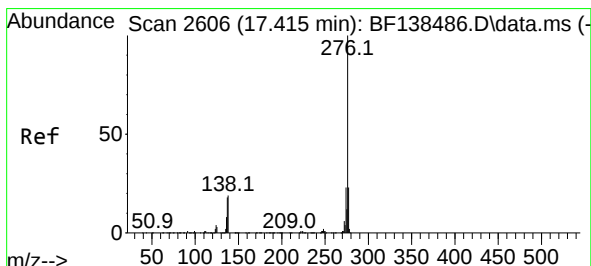
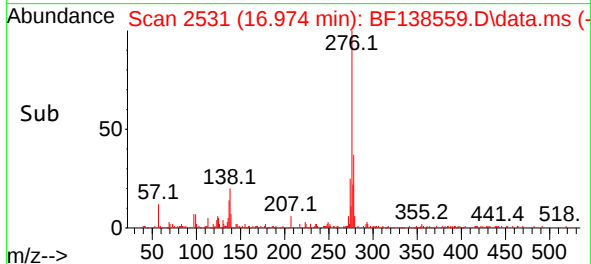
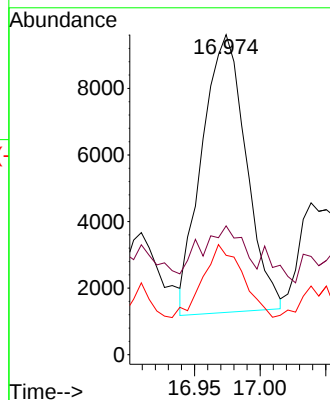
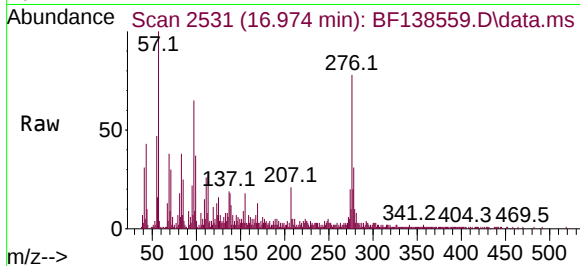




#91
Dibenzo(a,h)anthracene
Concen: 2.181 ng
RT: 16.974 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF138559.D
Acq: 12 Jul 2024 21:39

Instrument :
BNA_F
ClientSampleId :
TR-04-07102024

Tgt Ion:278 Resp: 19521
Ion Ratio Lower Upper
278 100
139 40.3 12.8 19.2#
279 31.1 19.1 28.7#



#92
Benzo(g,h,i)perylene
Concen: 8.431 ng
RT: 17.403 min Scan# 2604
Delta R.T. -0.012 min
Lab File: BF138559.D
Acq: 12 Jul 2024 21:39

Tgt Ion:276 Resp: 80019
Ion Ratio Lower Upper
276 100
277 24.2 18.0 27.0
138 24.3 15.5 23.3#

