

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061024\
 Data File : BF138179.D
 Acq On : 10 Jun 2024 18:38
 Operator : CG\JU
 Sample : P2794-01 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-060724

Quant Time: Jun 11 02:05:34 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 06 05:19:29 2024
 Response via : Initial Calibration

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

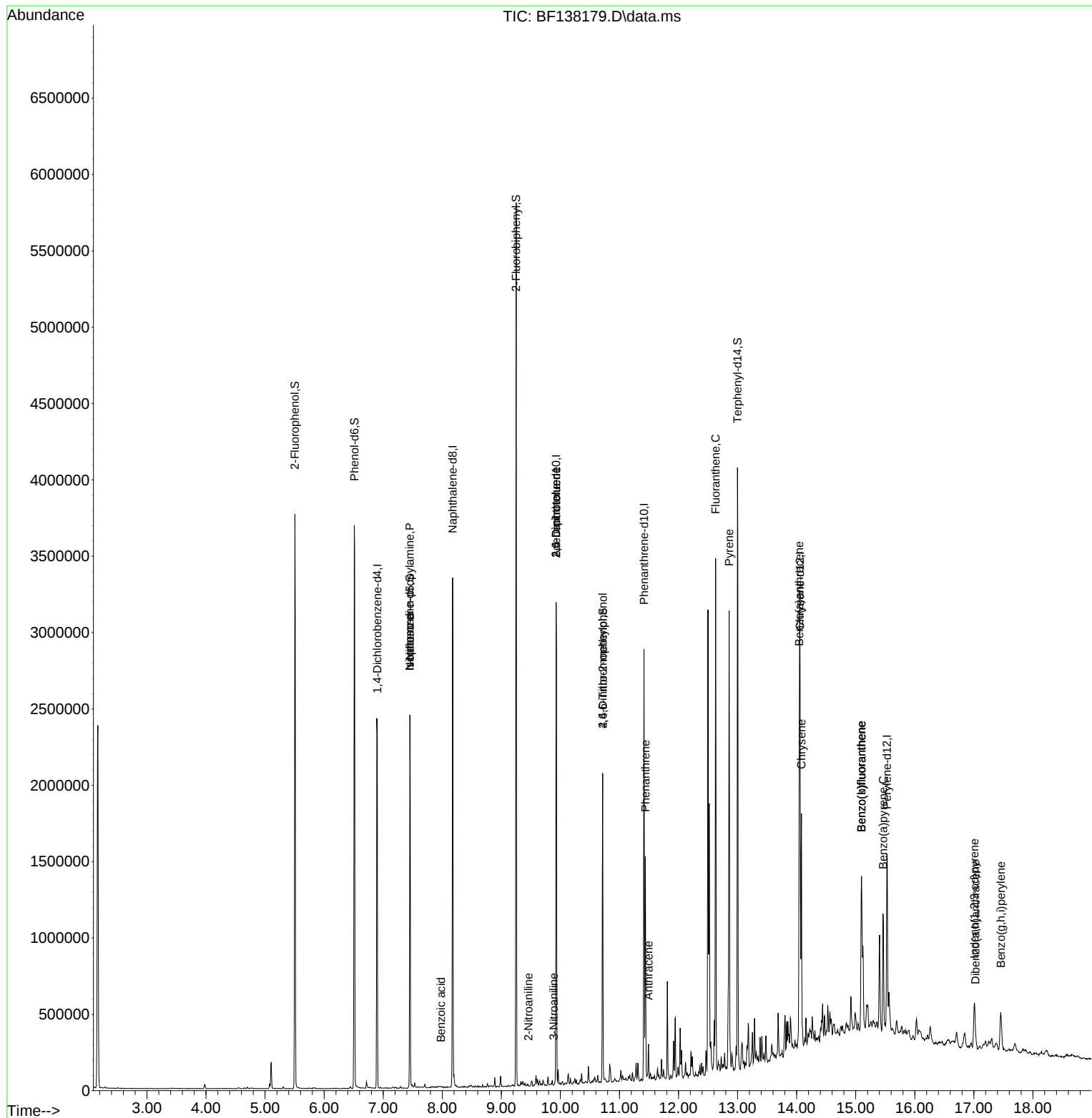
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	355711	20.000	ng	-0.01
21) Naphthalene-d8	8.175	136	1337309	20.000	ng	-0.02
39) Acenaphthene-d10	9.928	164	635695	20.000	ng	-0.02
64) Phenanthrene-d10	11.416	188	906816	20.000	ng	-0.02
76) Chrysene-d12	14.057	240	731879	20.000	ng	-0.01
86) Perylene-d12	15.527	264	566947	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1029054	49.303	ng	-0.02
7) Phenol-d6	6.510	99	1292133	48.930	ng	-0.02
23) Nitrobenzene-d5	7.451	82	656477	33.399	ng	-0.02
42) 2,4,6-Tribromophenol	10.716	330	215337	35.199	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	1495227	41.128	ng	-0.02
79) Terphenyl-d14	12.998	244	1309189	26.756	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.446	77	627	Below Cal	#	79
19) n-Nitroso-di-n-propyla...	7.451	70	87677	5.207 ng	#	83
25) Isophorone	7.451	82	656468	15.160 ng	#	63
32) Benzoic acid	7.975	122	58	7.939 ng		97
48) 2-Nitroaniline	9.457	65	152	4.812 ng	#	34
51) 2,6-Dinitrotoluene	9.928	165	86490	12.672 ng	#	25
53) 3-Nitroaniline	9.886	138	190	2.965 ng	#	3
57) 2,4-Dinitrotoluene	9.928	165	86490	11.504 ng	#	22
65) 4,6-Dinitro-2-methylph...	10.716	198	562	8.557 ng	#	1
71) Phenanthrene	11.439	178	468593	10.734 ng		95
72) Anthracene	11.492	178	88234	2.026 ng		96
75) Fluoranthene	12.627	202	1171427	24.870 ng		98
78) Pyrene	12.857	202	1106922	16.723 ng		95
81) Benzo(a)anthracene	14.045	228	600380	13.002 ng		99
83) Chrysene	14.080	228	590912	13.334 ng		97
87) Indeno(1,2,3-cd)pyrene	17.010	276	221697	10.144 ng		96
88) Benzo(b)fluoranthene	15.098	252	797113	22.365 ng	#	97
89) Benzo(k)fluoranthene	15.098	252	797113	23.453 ng		99
90) Benzo(a)pyrene	15.463	252	378131	14.009 ng	#	97
91) Dibenzo(a,h)anthracene	17.027	278	53705	5.665 ng	#	92
92) Benzo(g,h,i)perylene	17.457	276	223348	11.155 ng		98

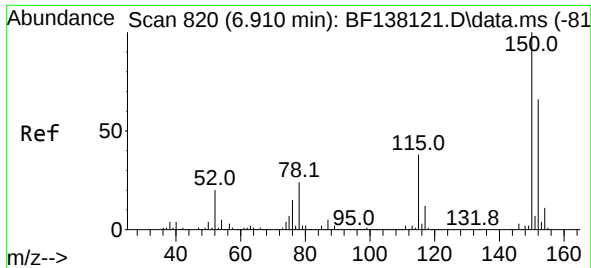
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jun 06 05:19:29 2024
Response via : Initial Calibration

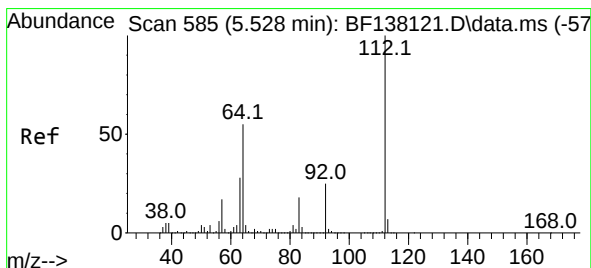
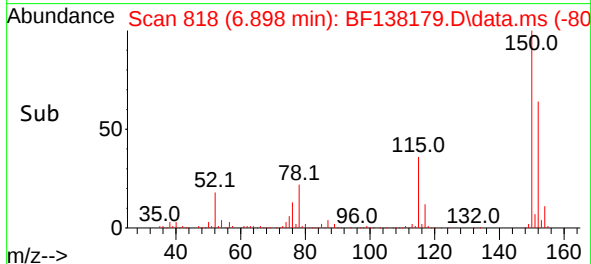
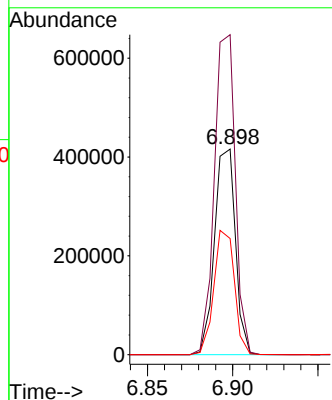
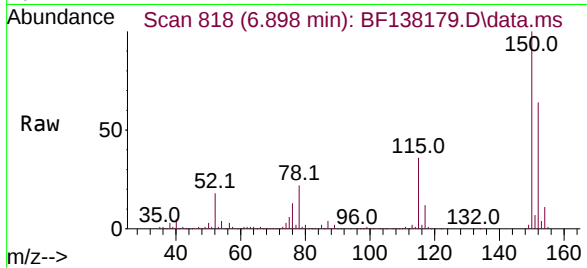




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF138179.D
Acq: 10 Jun 2024 18:38

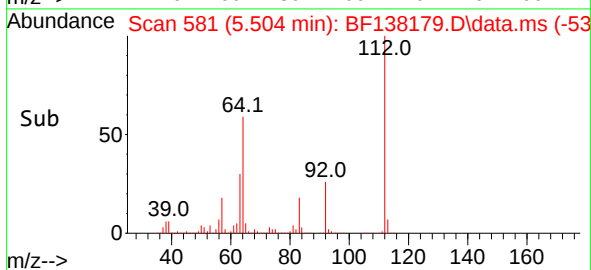
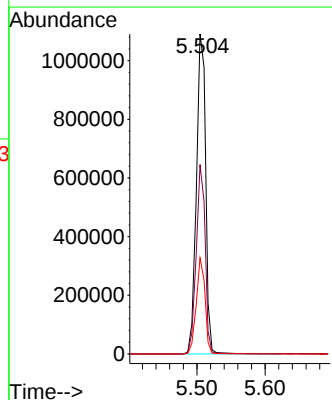
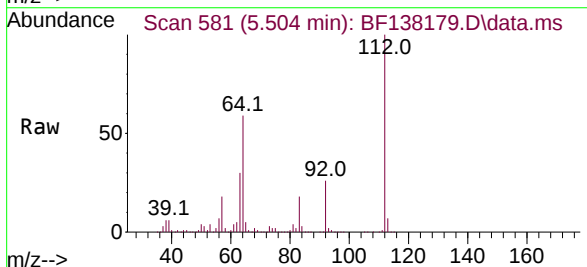
Instrument :
BNA_F
ClientSampleId :
TR-04-060724

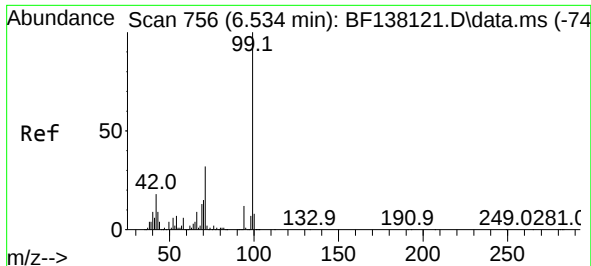
Tgt Ion:152 Resp: 355711
Ion Ratio Lower Upper
152 100
150 155.6 121.8 182.6
115 56.5 46.2 69.2



#5
2-Fluorophenol
Concen: 49.303 ng
RT: 5.504 min Scan# 581
Delta R.T. -0.023 min
Lab File: BF138179.D
Acq: 10 Jun 2024 18:38

Tgt Ion:112 Resp: 1029054
Ion Ratio Lower Upper
112 100
64 59.2 44.0 66.0
63 30.0 22.1 33.1





#7

Phenol-d6

Concen: 48.930 ng

RT: 6.510 min Scan# 752

Delta R.T. -0.023 min

Lab File: BF138179.D

Acq: 10 Jun 2024 18:38

Instrument :

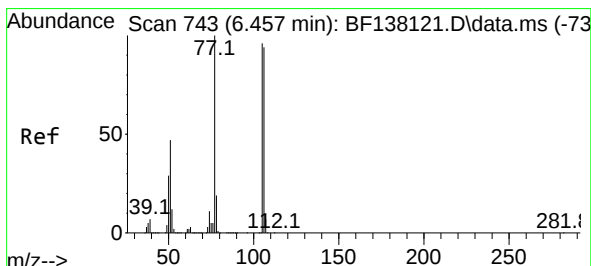
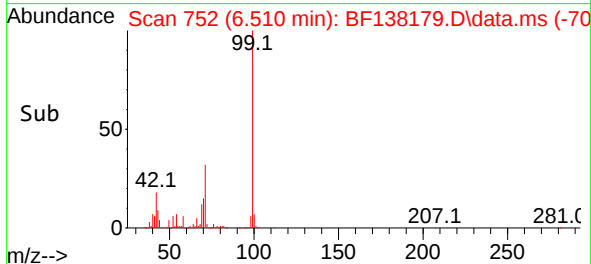
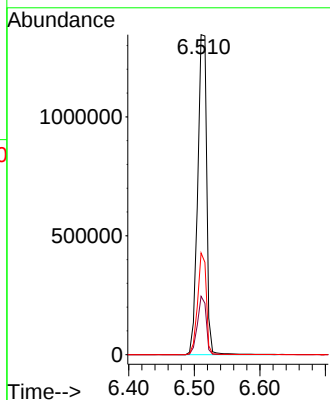
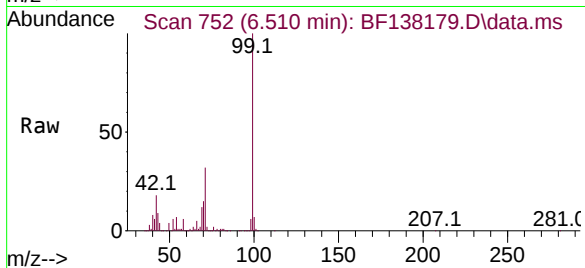
BNA_F

ClientSampleId :

TR-04-060724

Tgt Ion: 99 Resp: 1292133

Ion	Ratio	Lower	Upper
99	100		
42	18.2	14.4	21.6
71	31.8	25.5	38.3



#9

Benzaldehyde

Concen: Below Cal

RT: 6.446 min Scan# 741

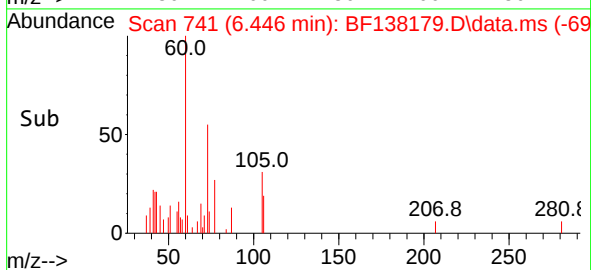
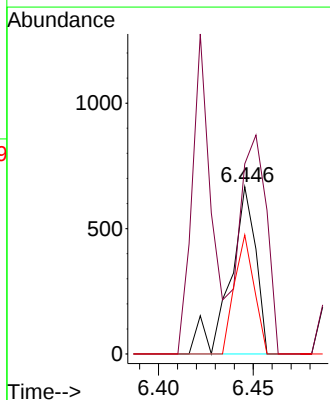
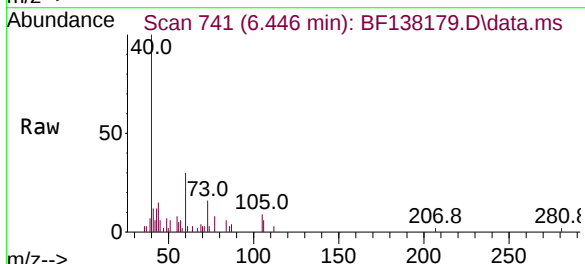
Delta R.T. -0.011 min

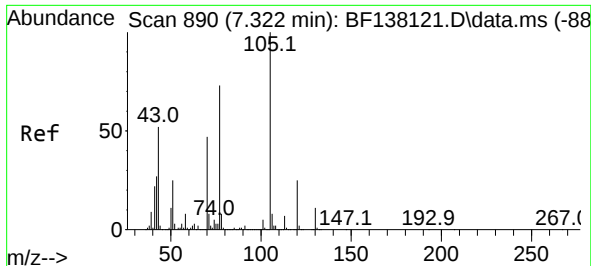
Lab File: BF138179.D

Acq: 10 Jun 2024 18:38

Tgt Ion: 77 Resp: 627

Ion	Ratio	Lower	Upper
77	100		
105	113.6	75.8	115.8
106	71.2	73.9	113.9

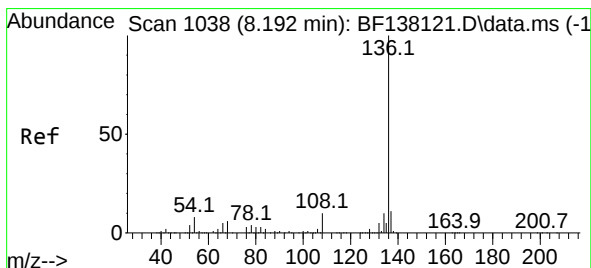
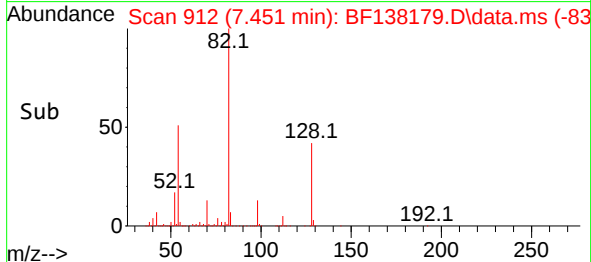
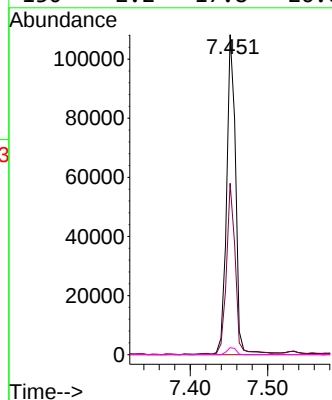
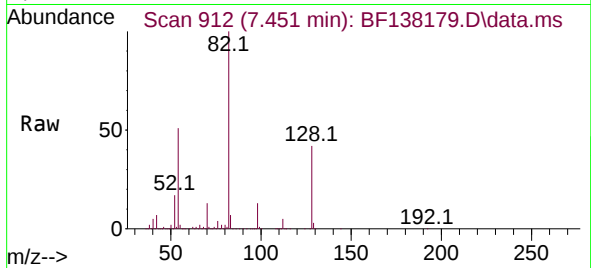




#19
n-Nitroso-di-n-propylamine
Concen: 5.207 ng
RT: 7.451 min Scan# 91
Delta R.T. 0.130 min
Lab File: BF138179.D
Acq: 10 Jun 2024 18:38

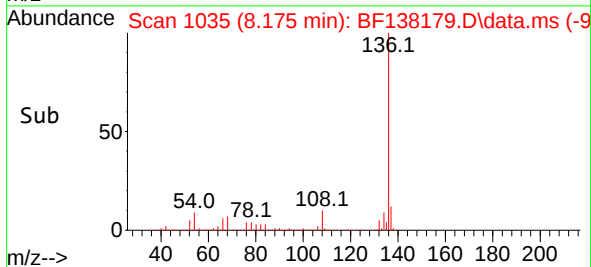
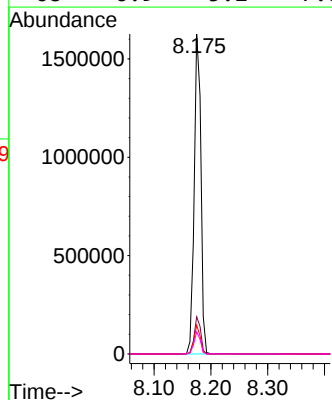
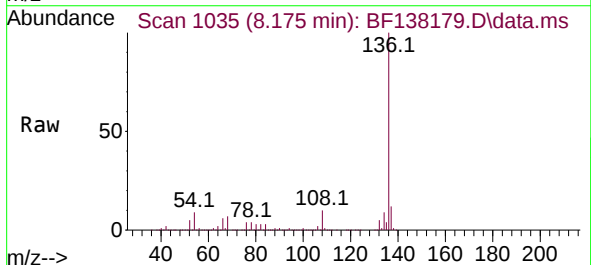
Instrument :
BNA_F
ClientSampleId :
TR-04-060724

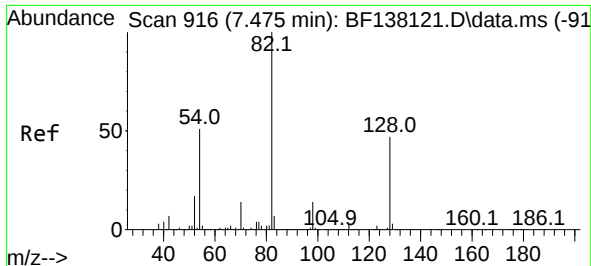
Tgt Ion: 70 Resp: 87677
Ion Ratio Lower Upper
70 100
42 53.5 46.3 69.5
101 0.0 7.7 11.5#
130 2.2 17.8 26.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.018 min
Lab File: BF138179.D
Acq: 10 Jun 2024 18:38

Tgt Ion: 136 Resp: 1337309
Ion Ratio Lower Upper
136 100
137 11.6 9.1 13.7
54 9.0 6.2 9.2
68 6.9 5.2 7.8

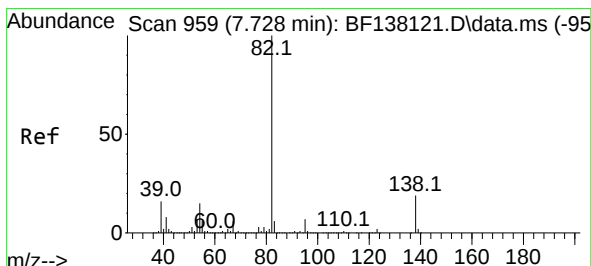
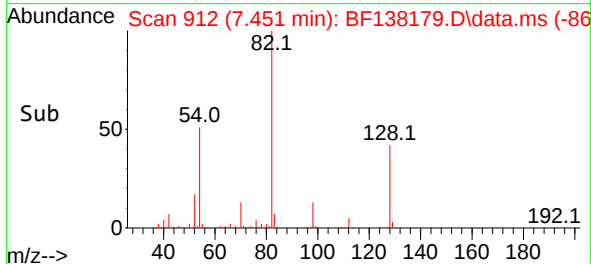
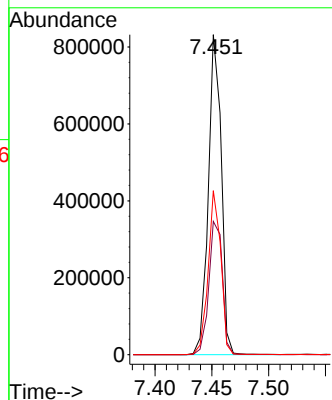
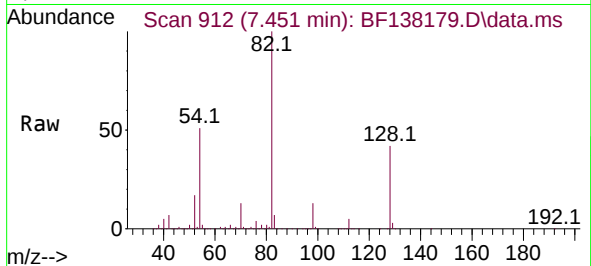




#23
Nitrobenzene-d5
Concen: 33.399 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.023 min
Lab File: BF138179.D
Acq: 10 Jun 2024 18:38

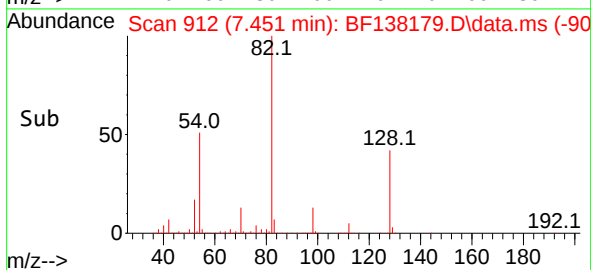
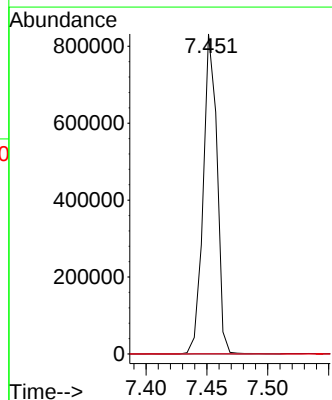
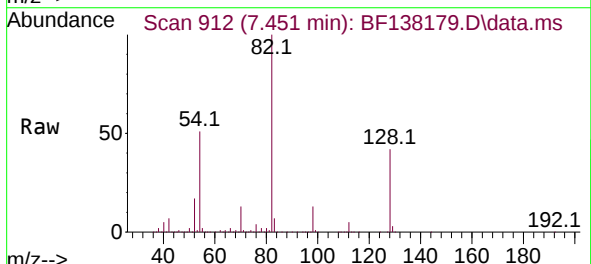
Instrument :
BNA_F
ClientSampleId :
TR-04-060724

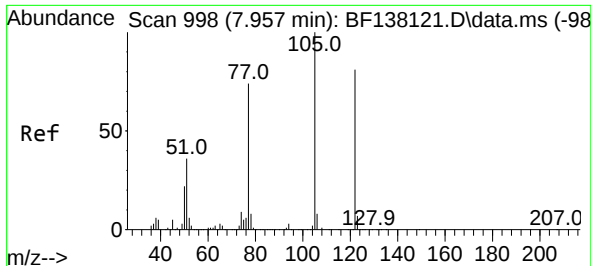
Tgt Ion: 82 Resp: 656477
Ion Ratio Lower Upper
82 100
128 41.6 37.7 56.5
54 51.2 40.8 61.2



#25
Isophorone
Concen: 15.160 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.277 min
Lab File: BF138179.D
Acq: 10 Jun 2024 18:38

Tgt Ion: 82 Resp: 656468
Ion Ratio Lower Upper
82 100
95 0.1 5.6 8.4#
138 0.0 15.5 23.3#

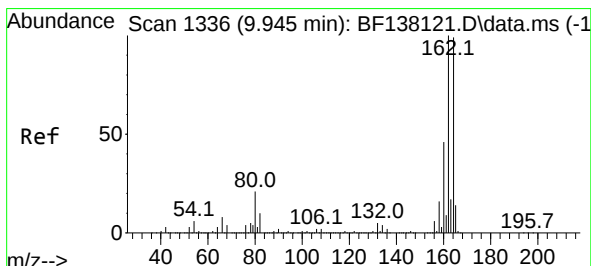
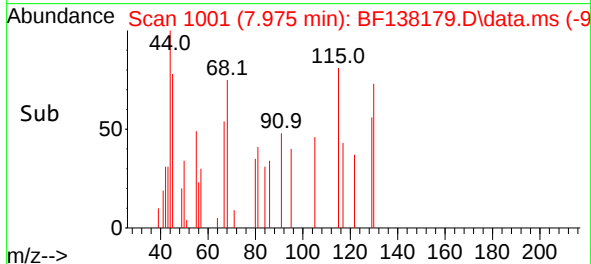
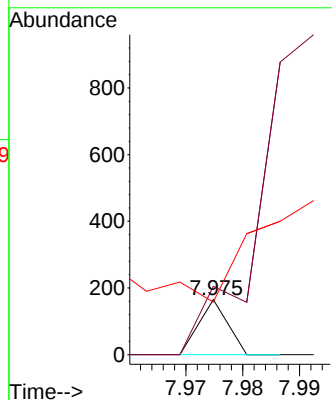
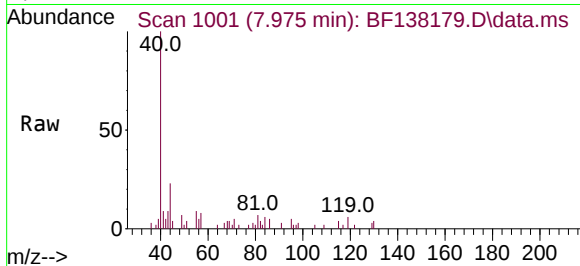




#32
Benzoic acid
Concen: 7.939 ng
RT: 7.975 min Scan# 1001
Delta R.T. 0.018 min
Lab File: BF138179.D
Acq: 10 Jun 2024 18:38

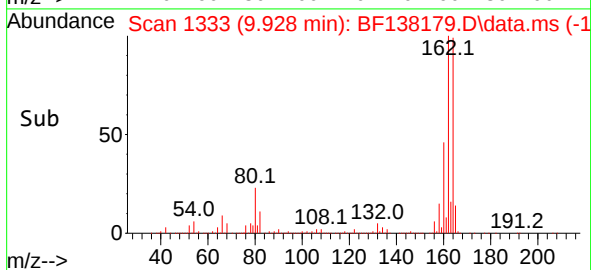
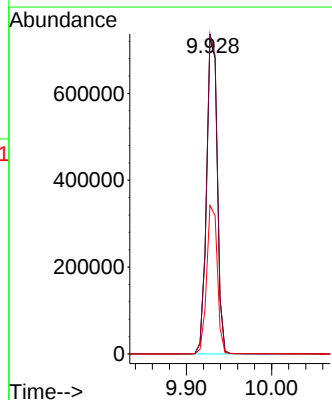
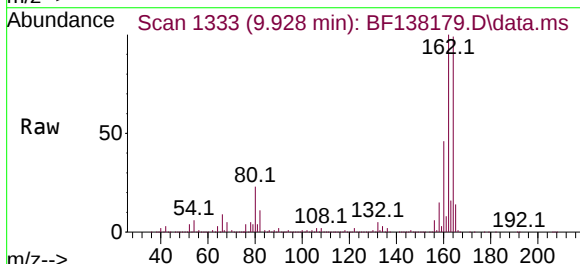
Instrument :
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ClientSampleId :
TR-04-060724

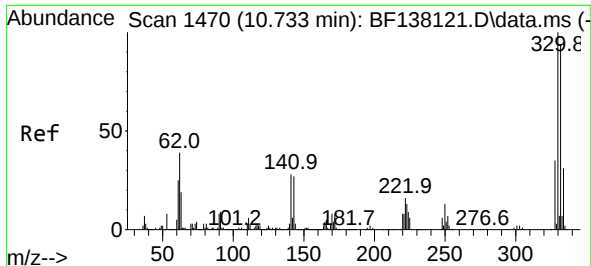
Tgt Ion:	122	Resp:	58
Ion	Ratio	Lower	Upper
122	100		
105	124.2	102.8	142.8
77	95.8	71.2	111.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1333
Delta R.T. -0.018 min
Lab File: BF138179.D
Acq: 10 Jun 2024 18:38

Tgt Ion:	164	Resp:	635695
Ion	Ratio	Lower	Upper
164	100		
162	101.3	80.9	121.3
160	47.0	37.0	55.6





#42

2,4,6-Tribromophenol

Concen: 35.199 ng

RT: 10.716 min Scan# 1467

Delta R.T. -0.017 min

Lab File: BF138179.D

Acq: 10 Jun 2024 18:38

Instrument :

BNA_F

ClientSampleId :

TR-04-060724

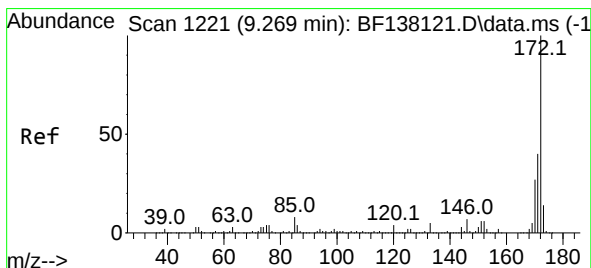
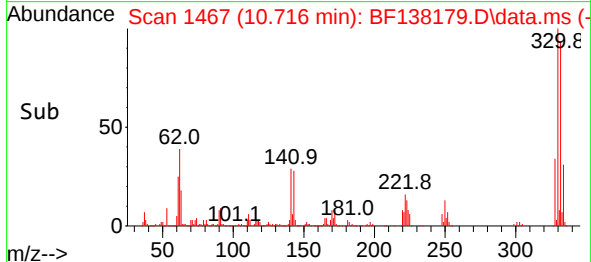
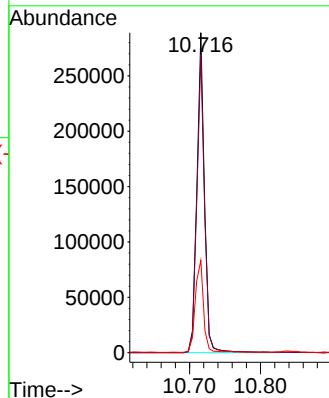
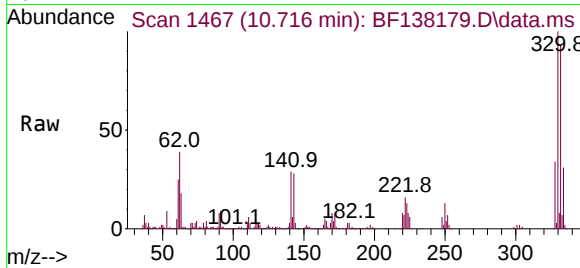
Tgt Ion:330 Resp: 215337

Ion Ratio Lower Upper

330 100

332 94.1 75.8 113.8

141 31.2 23.2 34.8



#45

2-Fluorobiphenyl

Concen: 41.128 ng

RT: 9.251 min Scan# 1218

Delta R.T. -0.018 min

Lab File: BF138179.D

Acq: 10 Jun 2024 18:38

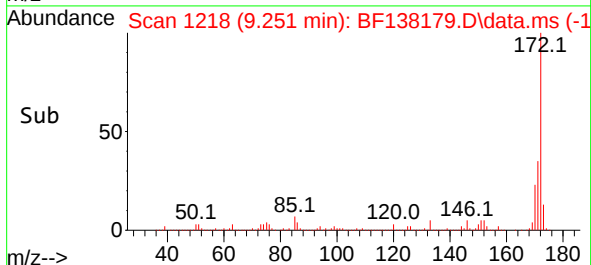
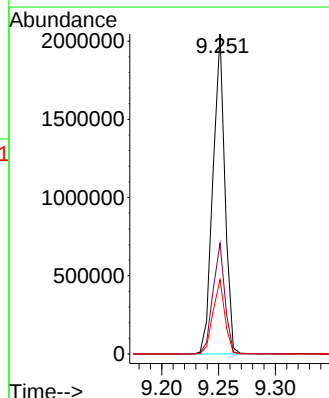
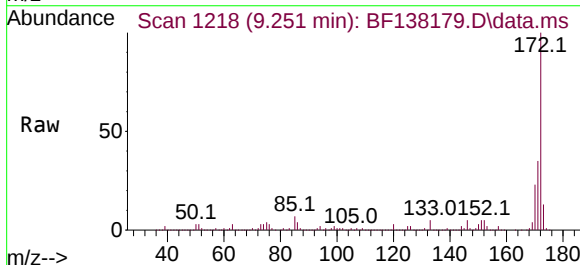
Tgt Ion:172 Resp: 1495227

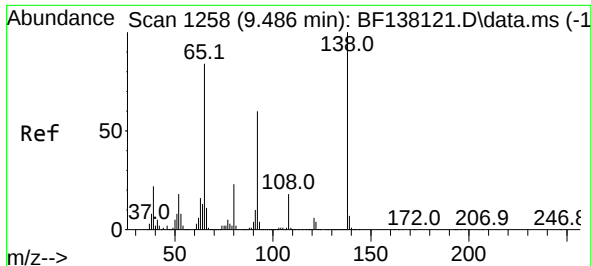
Ion Ratio Lower Upper

172 100

171 34.6 31.6 47.4

170 23.3 21.4 32.2





#48

2-Nitroaniline

Concen: 4.812 ng

RT: 9.457 min Scan# 11

Delta R.T. -0.029 min

Lab File: BF138179.D

Acq: 10 Jun 2024 18:38

Instrument :

BNA_F

ClientSampleId :

TR-04-060724

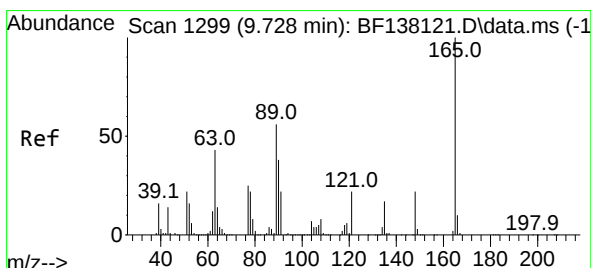
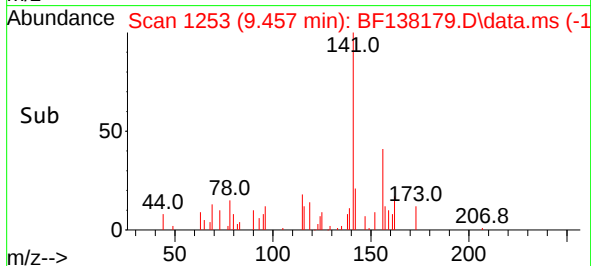
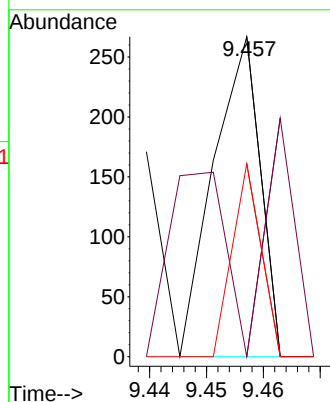
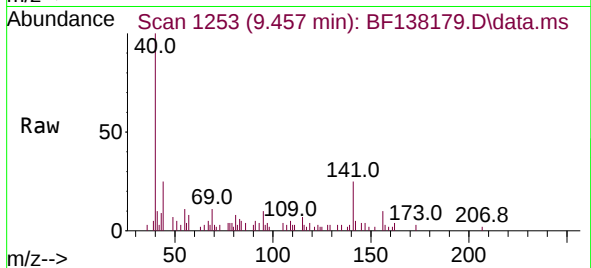
Tgt Ion: 65 Resp: 152

Ion Ratio Lower Upper

65 100

92 0.0 57.3 85.9#

138 60.3 95.4 143.2#



#51

2,6-Dinitrotoluene

Concen: 12.672 ng

RT: 9.928 min Scan# 1333

Delta R.T. 0.200 min

Lab File: BF138179.D

Acq: 10 Jun 2024 18:38

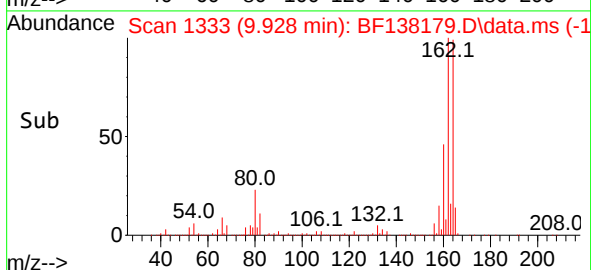
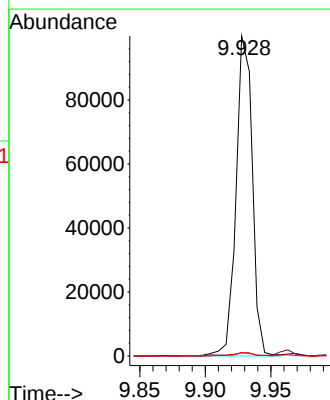
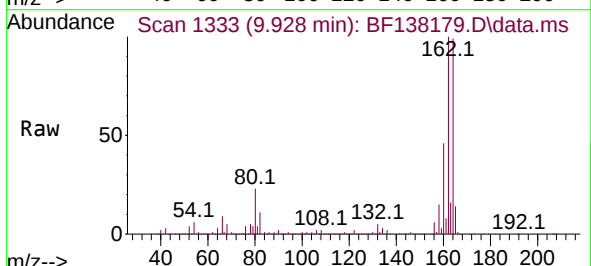
Tgt Ion:165 Resp: 86490

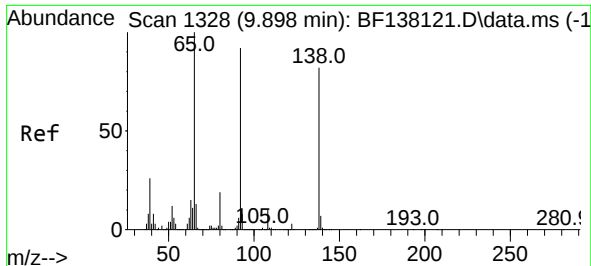
Ion Ratio Lower Upper

165 100

63 1.0 42.9 64.3#

89 1.1 45.0 67.4#

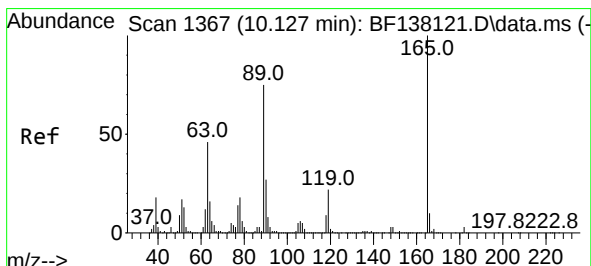
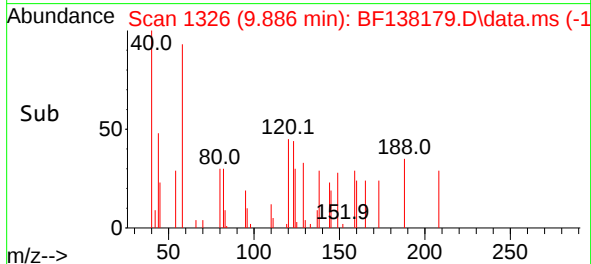
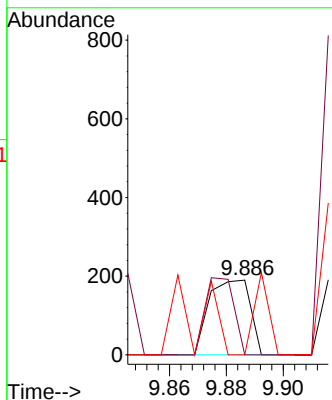
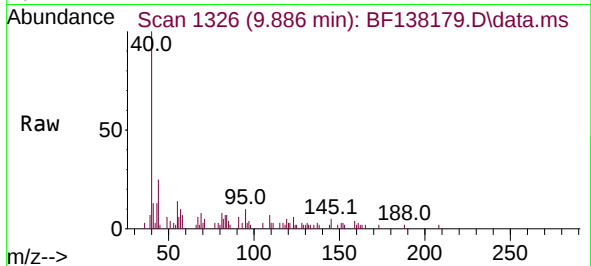




#53
3-Nitroaniline
Concen: 2.965 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF138179.D
Acq: 10 Jun 2024 18:38

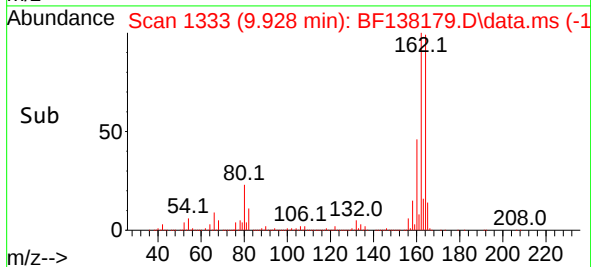
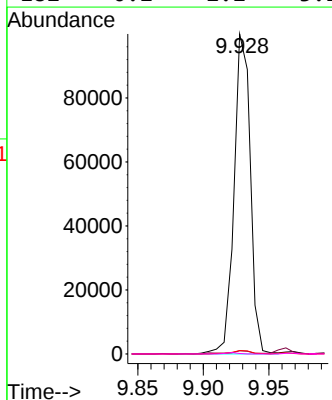
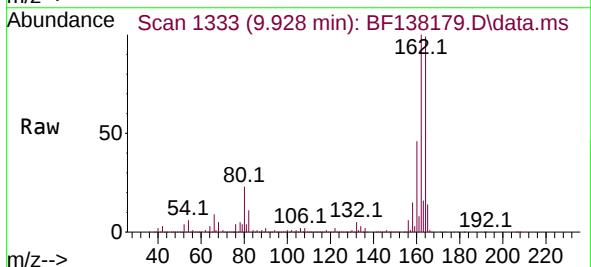
Instrument :
BNA_F
ClientSampleId :
TR-04-060724

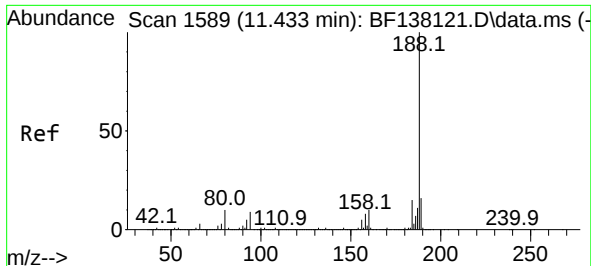
Tgt Ion:138 Resp: 190
Ion Ratio Lower Upper
138 100
108 0.0 10.3 15.5#
92 0.0 89.5 134.3#



#57
2,4-Dinitrotoluene
Concen: 11.504 ng
RT: 9.928 min Scan# 1333
Delta R.T. -0.199 min
Lab File: BF138179.D
Acq: 10 Jun 2024 18:38

Tgt Ion:165 Resp: 86490
Ion Ratio Lower Upper
165 100
63 1.0 36.8 55.2#
89 1.1 60.2 90.2#
182 0.2 2.2 3.2#

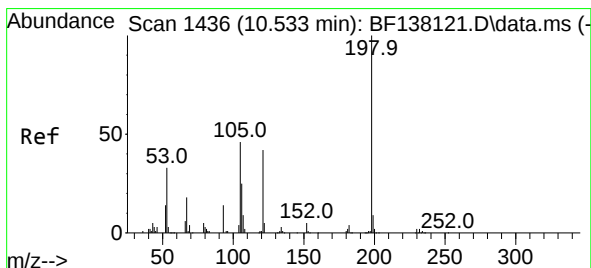
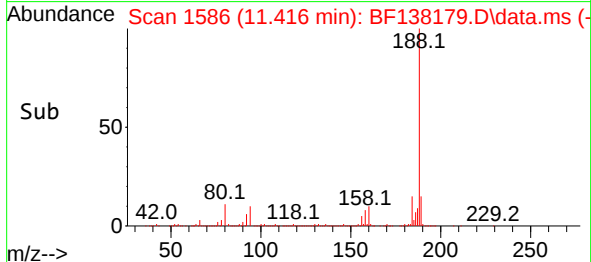
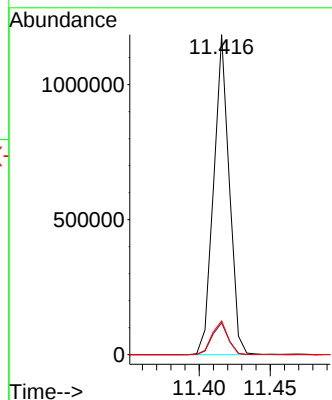
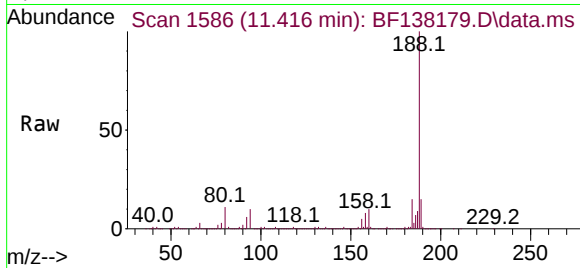




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF138179.D
Acq: 10 Jun 2024 18:38

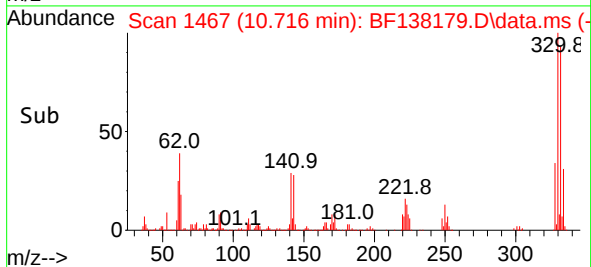
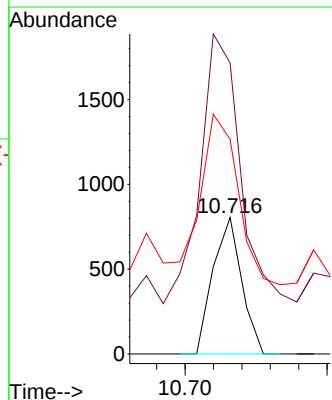
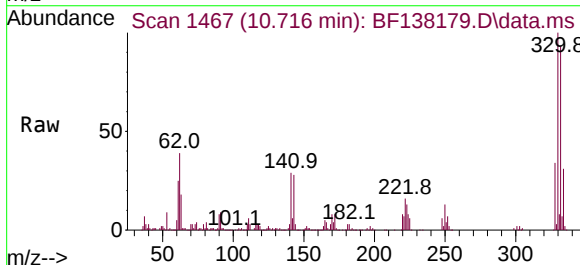
Instrument :
BNA_F
ClientSampleId :
TR-04-060724

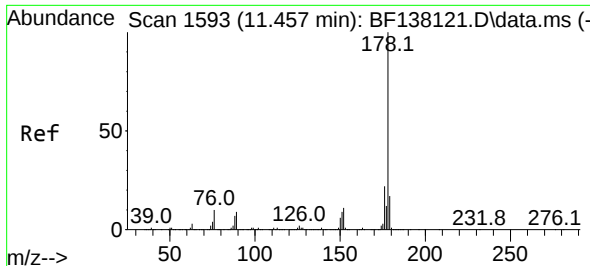
Tgt Ion:188 Resp: 906816
Ion Ratio Lower Upper
188 100
94 9.9 7.4 11.2
80 10.5 7.7 11.5



#65
4,6-Dinitro-2-methylphenol
Concen: 8.557 ng
RT: 10.716 min Scan# 1467
Delta R.T. 0.183 min
Lab File: BF138179.D
Acq: 10 Jun 2024 18:38

Tgt Ion:198 Resp: 562
Ion Ratio Lower Upper
198 100
51 213.2 28.2 68.2#
105 157.1 26.8 66.8#

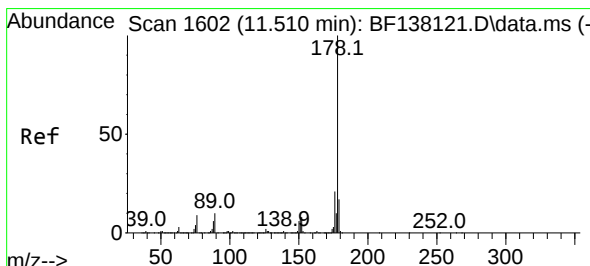
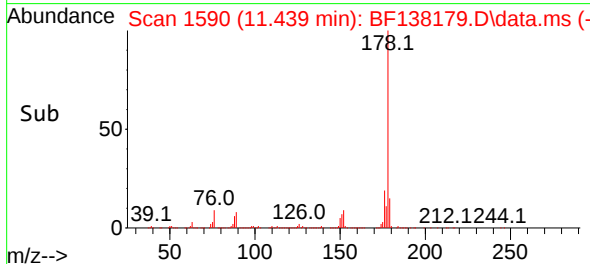
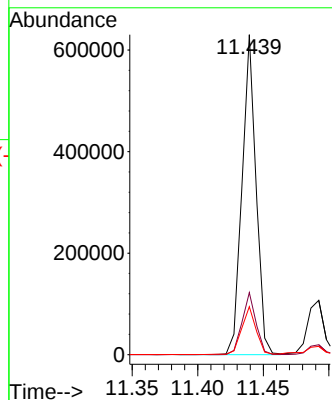
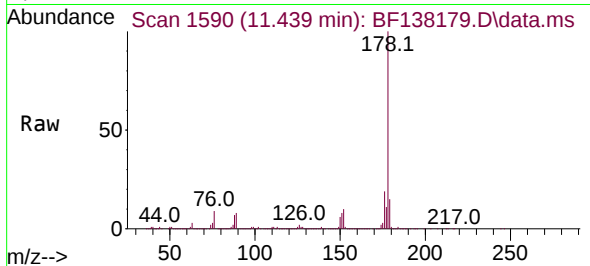




#71
Phenanthrene
Concen: 10.734 ng
RT: 11.439 min Scan# 1593
Delta R.T. -0.018 min
Lab File: BF138179.D
Acq: 10 Jun 2024 18:38

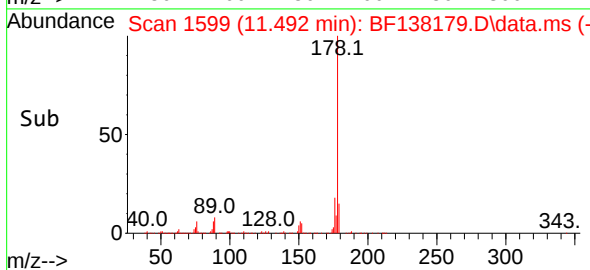
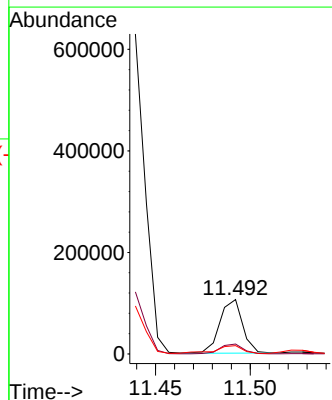
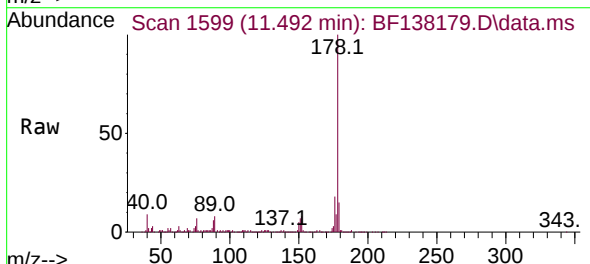
Instrument :
BNA_F
ClientSampleId :
TR-04-060724

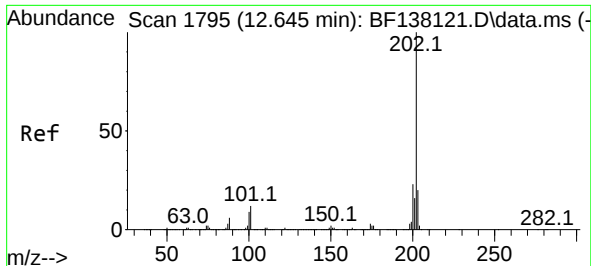
Tgt Ion:178 Resp: 468593
Ion Ratio Lower Upper
178 100
176 19.4 17.2 25.8
179 15.0 13.6 20.4



#72
Anthracene
Concen: 2.026 ng
RT: 11.492 min Scan# 1599
Delta R.T. -0.018 min
Lab File: BF138179.D
Acq: 10 Jun 2024 18:38

Tgt Ion:178 Resp: 88234
Ion Ratio Lower Upper
178 100
176 18.2 16.5 24.7
179 15.4 13.6 20.4

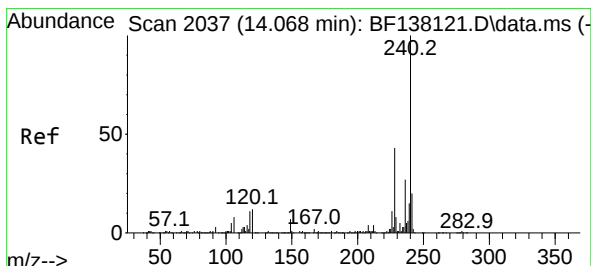
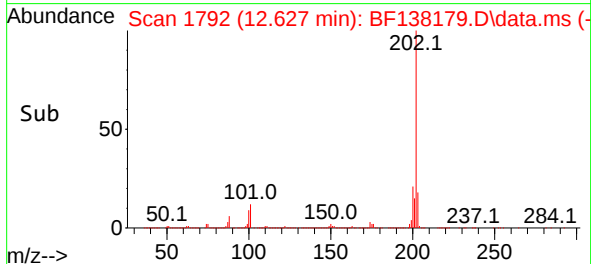
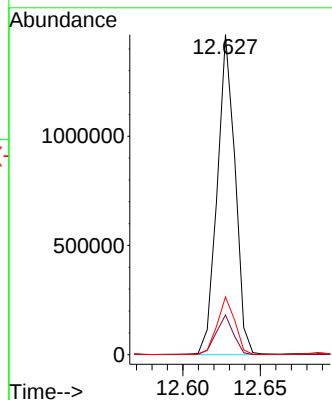
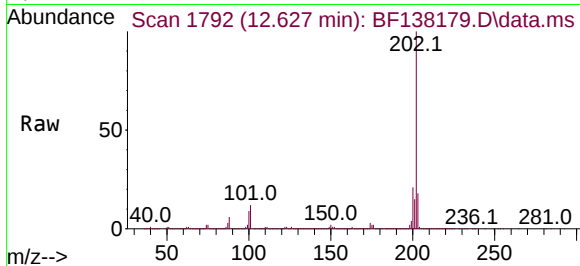




#75
Fluoranthene
Concen: 24.870 ng
RT: 12.627 min Scan# 1792
Delta R.T. -0.018 min
Lab File: BF138179.D
Acq: 10 Jun 2024 18:38

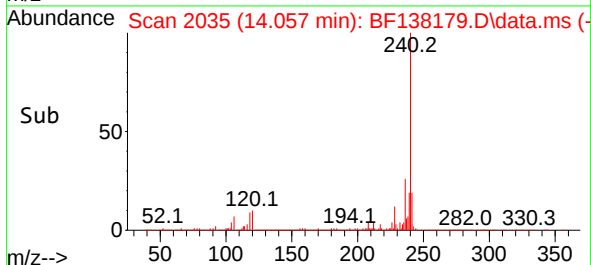
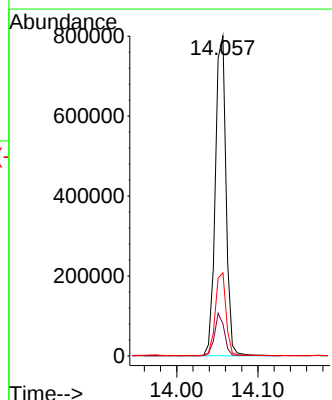
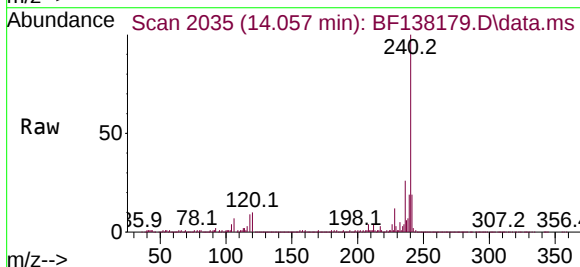
Instrument :
BNA_F
ClientSampleId :
TR-04-060724

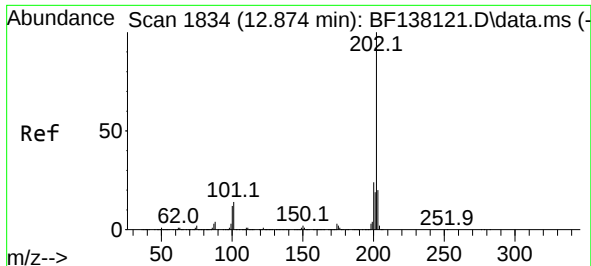
Tgt Ion:202 Resp: 1171427
Ion Ratio Lower Upper
202 100
101 12.4 0.0 32.2
203 18.1 0.0 39.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.011 min
Lab File: BF138179.D
Acq: 10 Jun 2024 18:38

Tgt Ion:240 Resp: 731879
Ion Ratio Lower Upper
240 100
120 10.1 9.8 14.8
236 26.0 21.2 31.8

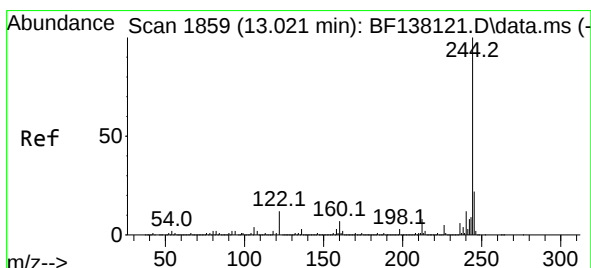
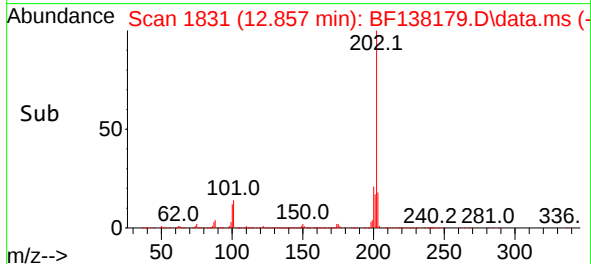
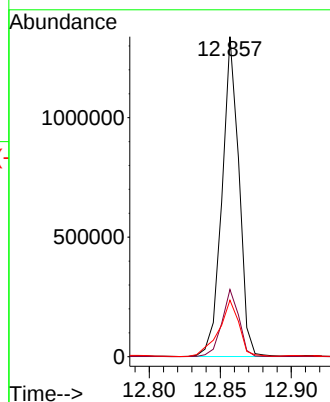
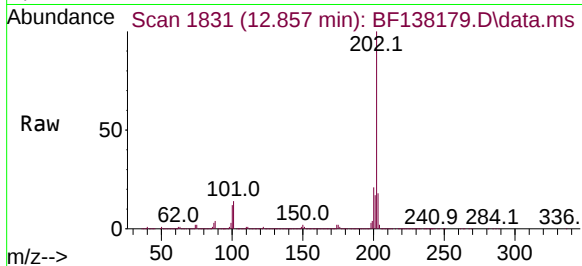




#78
 Pyrene
 Concen: 16.723 ng
 RT: 12.857 min Scan# 1831
 Delta R.T. -0.018 min
 Lab File: BF138179.D
 Acq: 10 Jun 2024 18:38

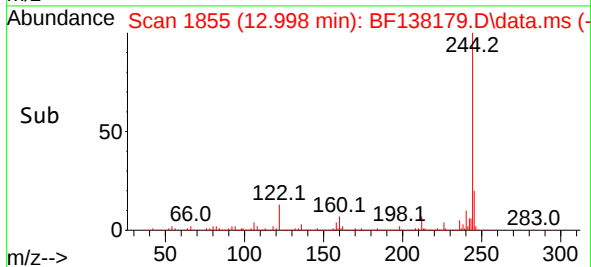
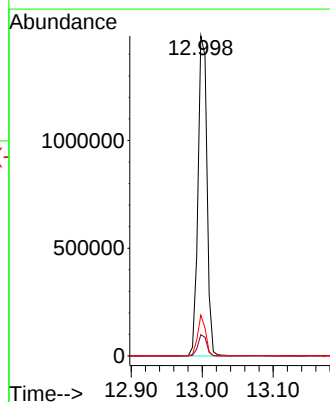
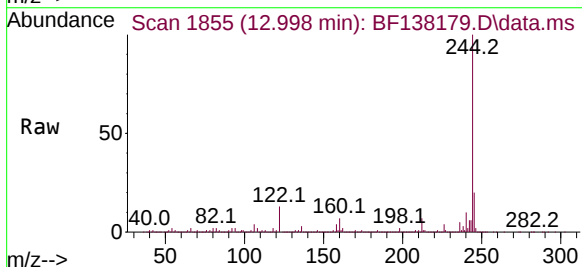
Instrument :
 BNA_F
 ClientSampleId :
 TR-04-060724

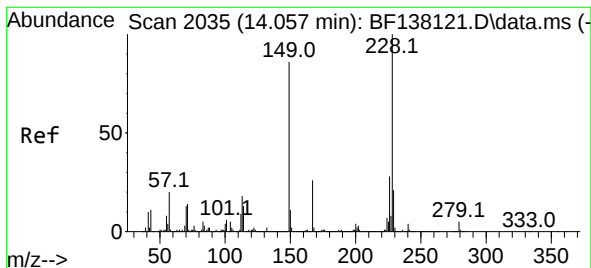
Tgt Ion:202 Resp: 1106922
 Ion Ratio Lower Upper
 202 100
 200 21.0 19.1 28.7
 203 17.6 15.6 23.4



#79
 Terphenyl-d14
 Concen: 26.756 ng
 RT: 12.998 min Scan# 1855
 Delta R.T. -0.023 min
 Lab File: BF138179.D
 Acq: 10 Jun 2024 18:38

Tgt Ion:244 Resp: 1309189
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.4 9.6
 122 12.7 9.4 14.2





#81

Benzo(a)anthracene

Concen: 13.002 ng

RT: 14.045 min Scan# 2035

Delta R.T. -0.012 min

Lab File: BF138179.D

Acq: 10 Jun 2024 18:38

Instrument :

BNA_F

ClientSampleId :

TR-04-060724

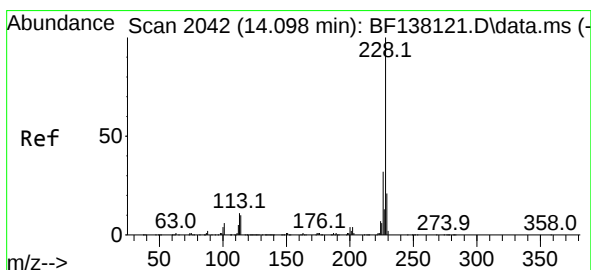
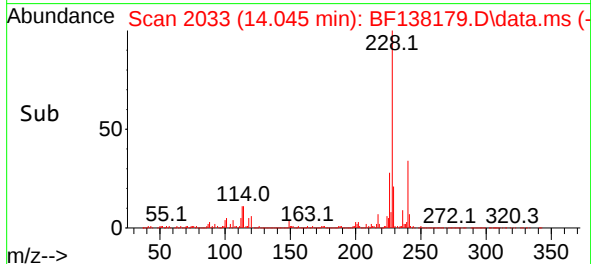
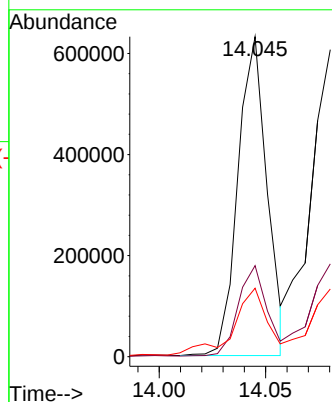
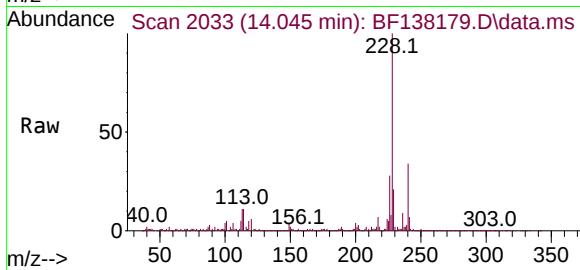
Tgt Ion:228 Resp: 600380

Ion Ratio Lower Upper

228 100

226 28.5 22.7 34.1

229 21.4 16.7 25.1



#83

Chrysene

Concen: 13.334 ng

RT: 14.080 min Scan# 2039

Delta R.T. -0.018 min

Lab File: BF138179.D

Acq: 10 Jun 2024 18:38

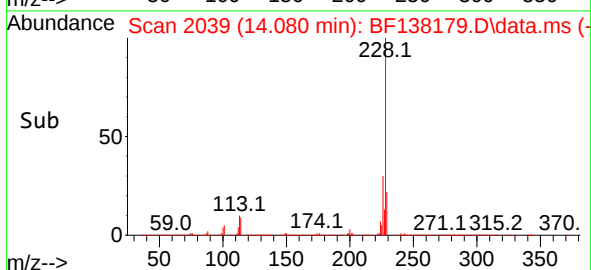
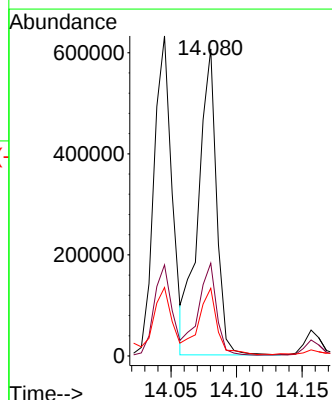
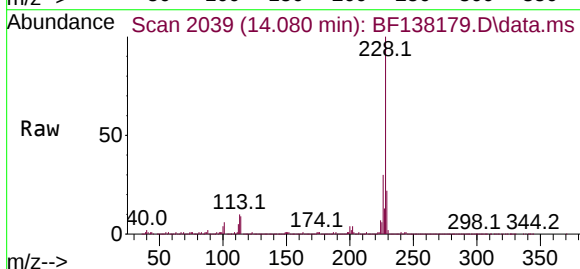
Tgt Ion:228 Resp: 590912

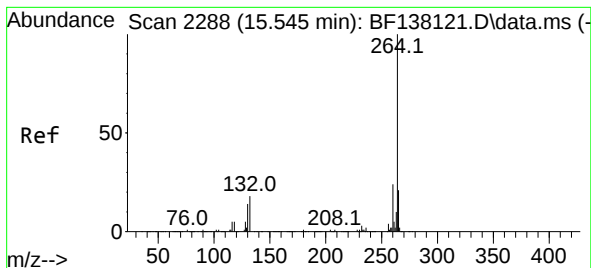
Ion Ratio Lower Upper

228 100

226 30.2 25.6 38.4

229 22.0 16.6 25.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF138179.D

Acq: 10 Jun 2024 18:38

Instrument :

BNA_F

ClientSampleId :

TR-04-060724

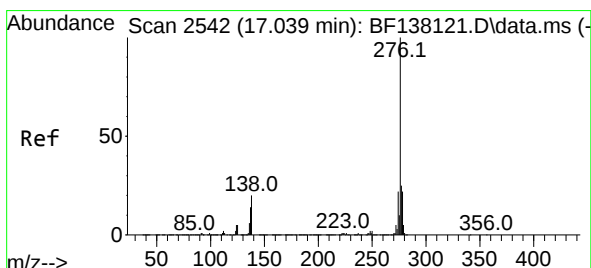
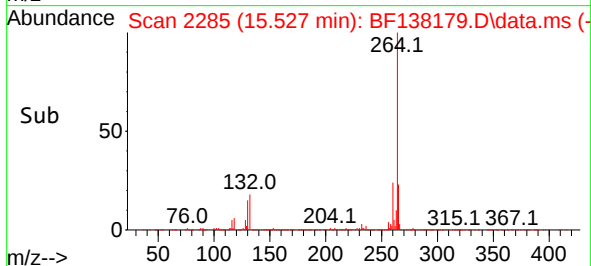
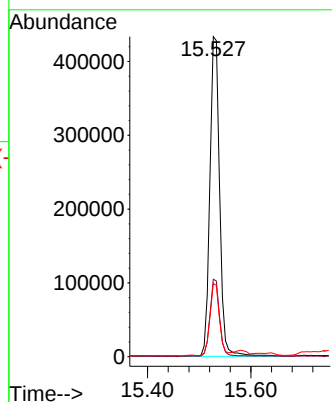
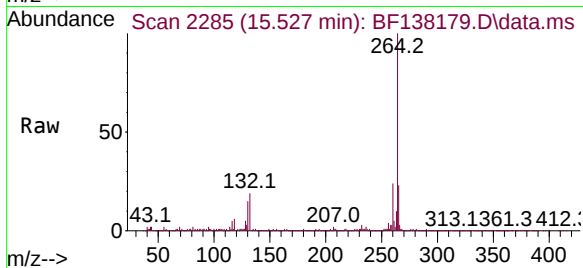
Tgt Ion:264 Resp: 566947

Ion Ratio Lower Upper

264 100

260 24.2 19.4 29.2

265 22.9 17.1 25.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 10.144 ng

RT: 17.010 min Scan# 2537

Delta R.T. -0.029 min

Lab File: BF138179.D

Acq: 10 Jun 2024 18:38

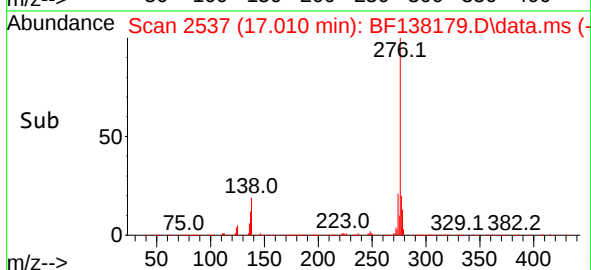
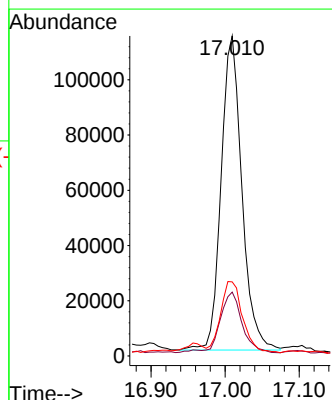
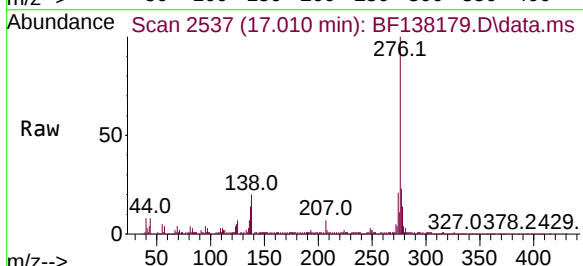
Tgt Ion:276 Resp: 221697

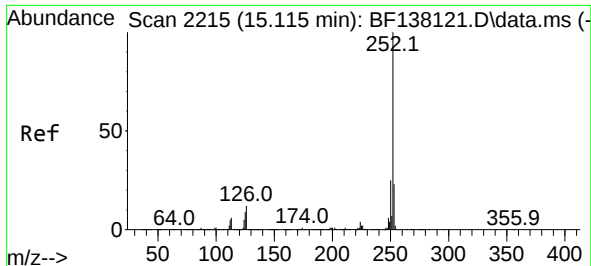
Ion Ratio Lower Upper

276 100

138 20.5 18.9 28.3

277 24.0 20.3 30.5

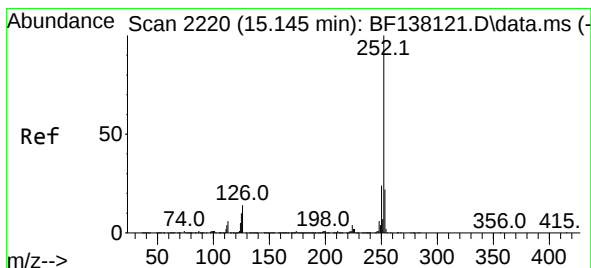
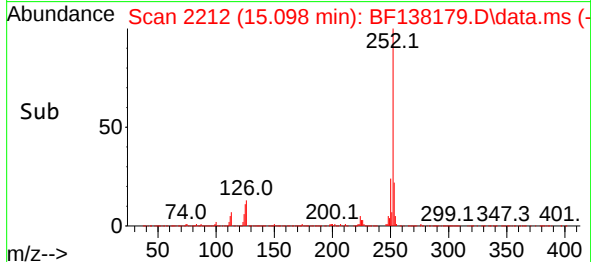
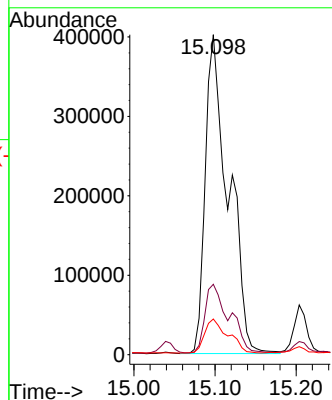
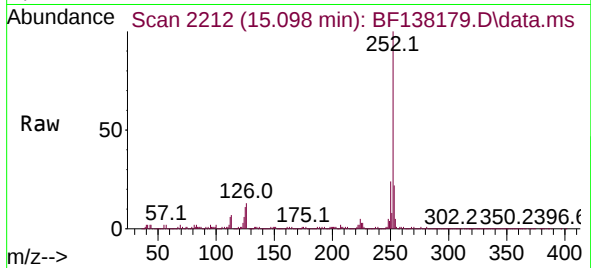




#88
Benzo(b)fluoranthene
Concen: 22.365 ng
RT: 15.098 min Scan# 2112
Delta R.T. -0.018 min
Lab File: BF138179.D
Acq: 10 Jun 2024 18:38

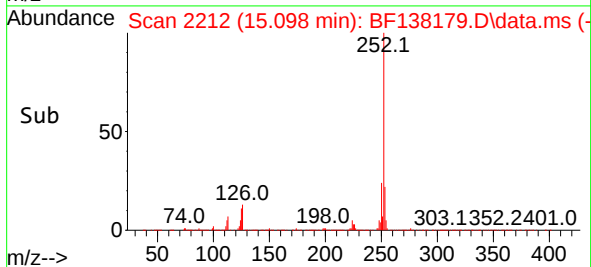
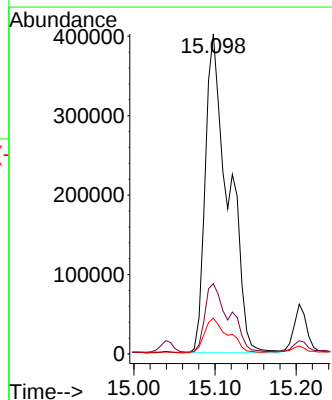
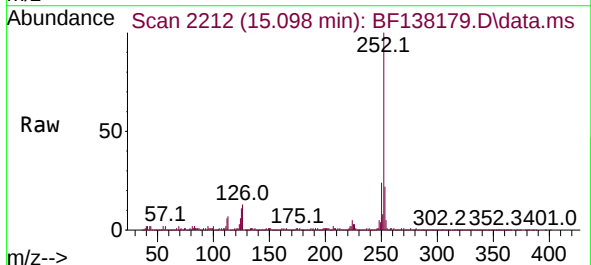
Instrument :
BNA_F
ClientSampleId :
TR-04-060724

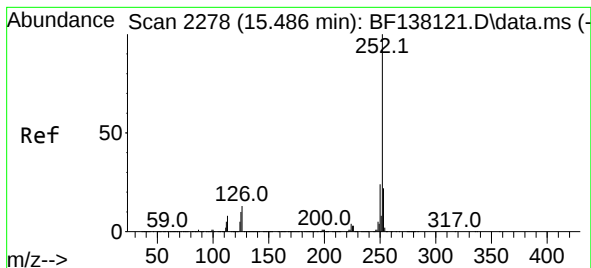
Tgt Ion:252 Resp: 797113
Ion Ratio Lower Upper
252 100
253 22.0 18.2 27.2
125 11.2 7.4 11.2#



#89
Benzo(k)fluoranthene
Concen: 23.453 ng
RT: 15.098 min Scan# 2212
Delta R.T. -0.047 min
Lab File: BF138179.D
Acq: 10 Jun 2024 18:38

Tgt Ion:252 Resp: 797113
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.6
125 11.2 7.8 11.6





#90

Benzo(a)pyrene

Concen: 14.009 ng

RT: 15.463 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF138179.D

Acq: 10 Jun 2024 18:38

Instrument :

BNA_F

ClientSampleId :

TR-04-060724

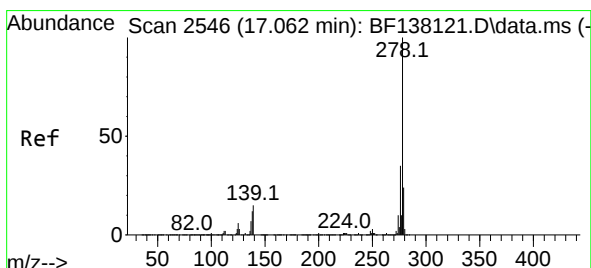
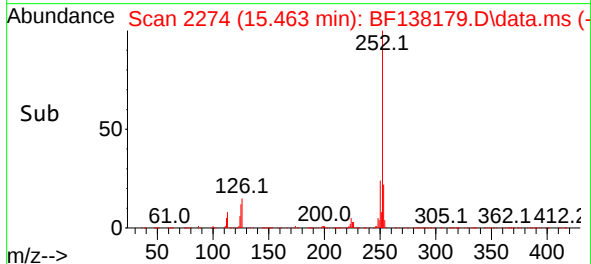
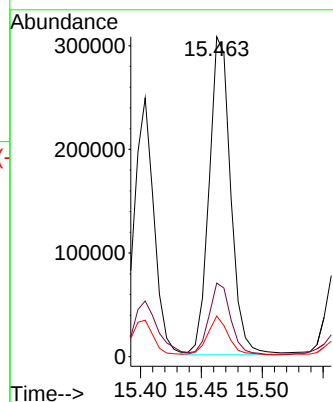
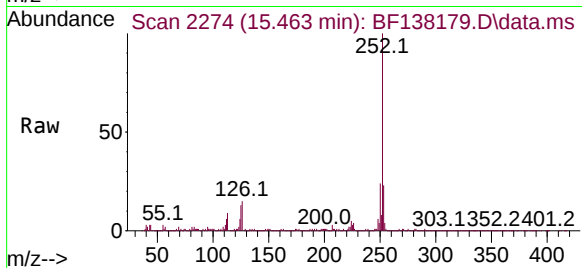
Tgt Ion:252 Resp: 378131

Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.6

125 12.7 8.0 12.0#



#91

Dibenzo(a,h)anthracene

Concen: 5.665 ng

RT: 17.027 min Scan# 2540

Delta R.T. -0.035 min

Lab File: BF138179.D

Acq: 10 Jun 2024 18:38

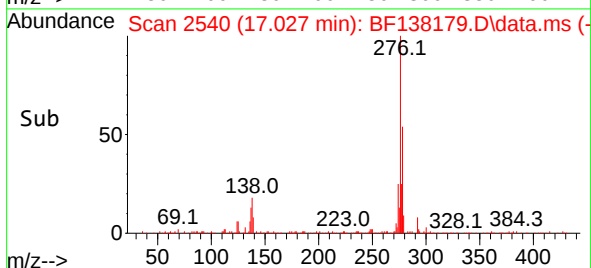
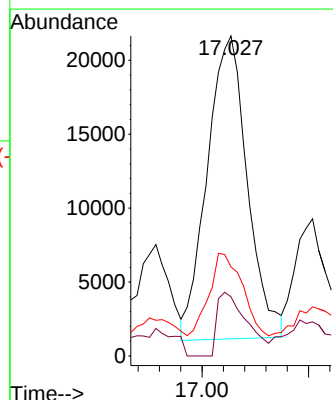
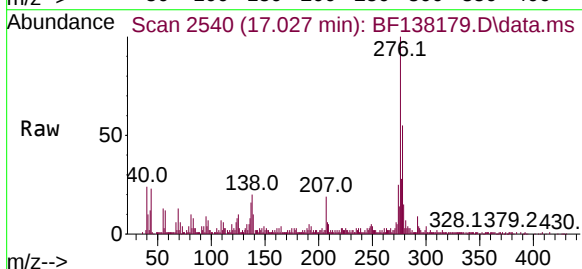
Tgt Ion:278 Resp: 53705

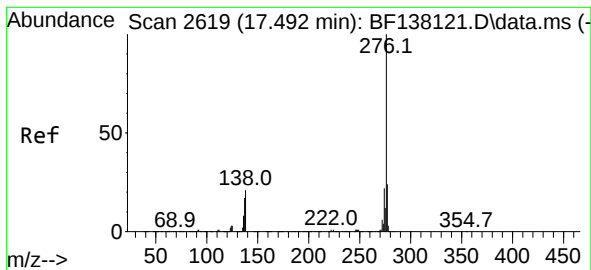
Ion Ratio Lower Upper

278 100

139 18.5 11.7 17.5#

279 27.8 19.2 28.8





#92

Benzo(g,h,i)perylene

Concen: 11.155 ng

RT: 17.457 min Scan# 20

Delta R.T. -0.035 min

Lab File: BF138179.D

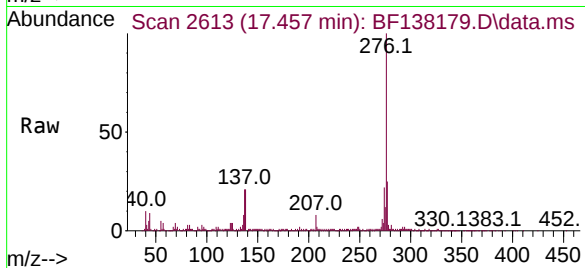
Acq: 10 Jun 2024 18:38

Instrument :

BNA_F

ClientSampleId :

TR-04-060724



Tgt Ion:276 Resp: 223348

Ion Ratio Lower Upper

276 100

277 25.3 19.0 28.4

138 20.7 16.5 24.7

