

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071224\
 Data File : BF138558.D
 Acq On : 12 Jul 2024 21:09
 Operator : CG\JU
 Sample : P3187-09
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-3

Quant Time: Jul 12 23:14:38 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

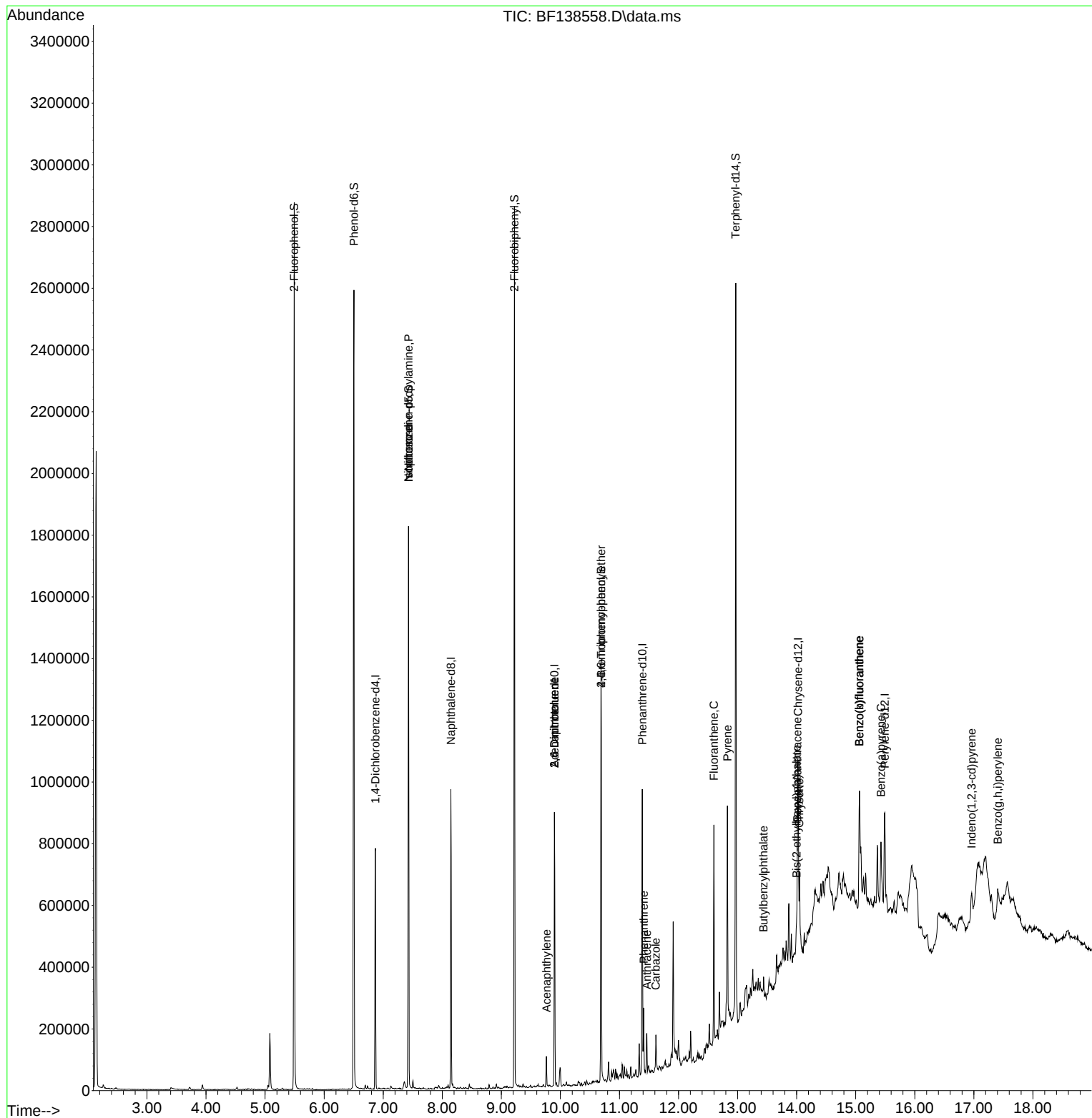
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	111079	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	370840	20.000	ng	# 0.00
39) Acenaphthene-d10	9.898	164	171533	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	305197	20.000	ng	0.00
76) Chrysene-d12	14.022	240	164743	20.000	ng	0.00
86) Perylene-d12	15.492	264	157397	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	655589	93.473	ng	0.00
7) Phenol-d6	6.504	99	822735	88.180	ng	0.00
23) Nitrobenzene-d5	7.428	82	487765	64.578	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	145162	90.548	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	749801	68.317	ng	0.00
79) Terphenyl-d14	12.969	244	738236	73.003	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	65861	11.424	ng	# 71
25) Isophorone	7.428	82	487753	37.603	ng	# 68
49) Acenaphthylene	9.763	152	38126	2.734	ng	97
51) 2,6-Dinitrotoluene	9.898	165	22557	8.833	ng	# 25
57) 2,4-Dinitrotoluene	9.898	165	22557	6.827	ng	# 19
67) 4-Bromophenyl-phenylether	10.692	248	9981	3.182	ng	# 1
71) Phenanthrene	11.410	178	69388	4.500	ng	98
72) Anthracene	11.463	178	58311	3.810	ng	99
73) Carbazole	11.616	167	43044	3.129	ng	98
75) Fluoranthene	12.598	202	247816	15.751	ng	98
78) Pyrene	12.827	202	264531	15.818	ng	99
80) Butylbenzylphthalate	13.439	149	13542	2.692	ng	88
81) Benzo(a)anthracene	14.010	228	90853	8.219	ng	94
83) Chrysene	14.045	228	109857	10.505	ng	97
84) Bis(2-ethylhexyl)phtha...	13.998	149	14747	2.749	ng	# 85
87) Indeno(1,2,3-cd)pyrene	16.962	276	70575	6.675	ng	94
88) Benzo(b)fluoranthene	15.063	252	255519	28.826	ng	99
89) Benzo(k)fluoranthene	15.063	252	255519	29.557	ng	97
90) Benzo(a)pyrene	15.427	252	88180	11.324	ng	# 91
92) Benzo(g,h,i)perylene	17.404	276	65951	7.192	ng	# 91

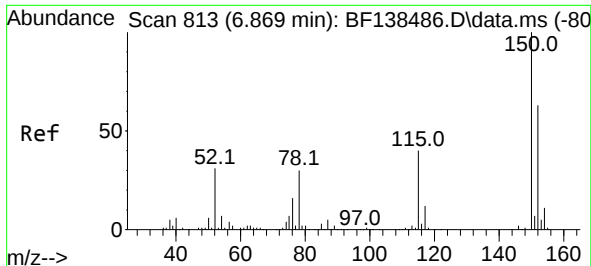
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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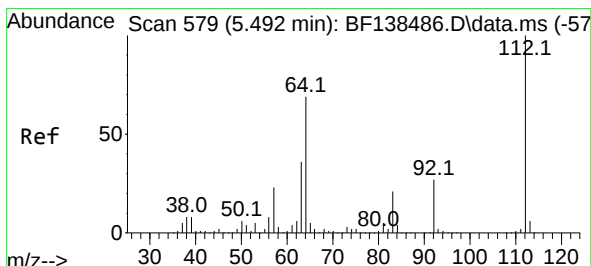
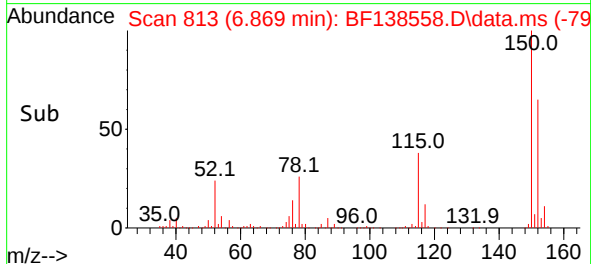
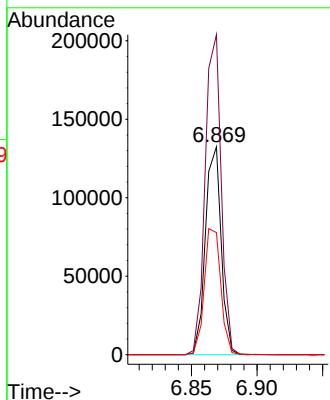
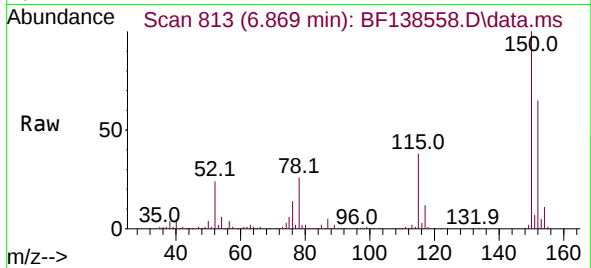




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. 0.000 min
Lab File: BF138558.D
Acq: 12 Jul 2024 21:09

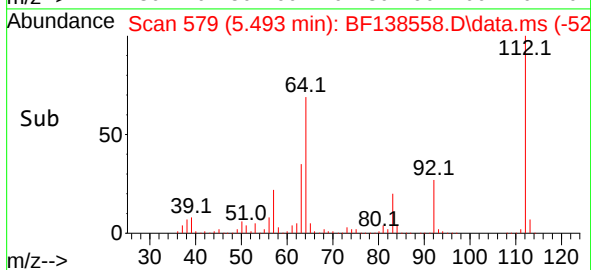
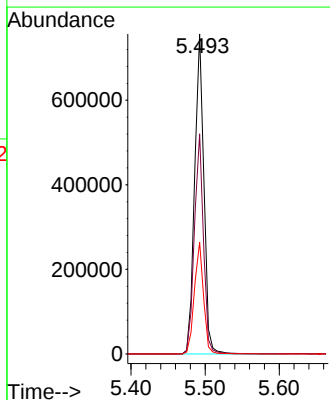
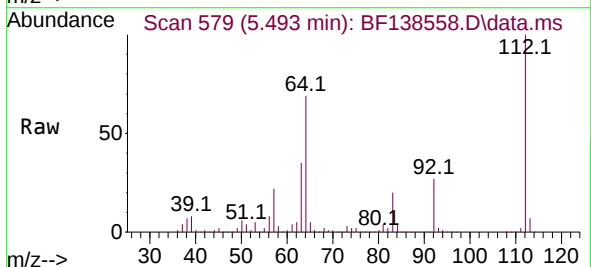
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BNA_F
ClientSampleId :
WC-3

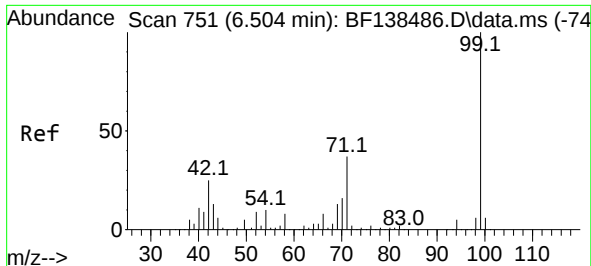
Tgt Ion:152 Resp: 111079
Ion Ratio Lower Upper
152 100
150 154.0 126.2 189.4
115 58.7 50.3 75.5



#5
2-Fluorophenol
Concen: 93.473 ng
RT: 5.493 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF138558.D
Acq: 12 Jul 2024 21:09

Tgt Ion:112 Resp: 655589
Ion Ratio Lower Upper
112 100
64 68.8 55.1 82.7
63 35.0 29.0 43.6

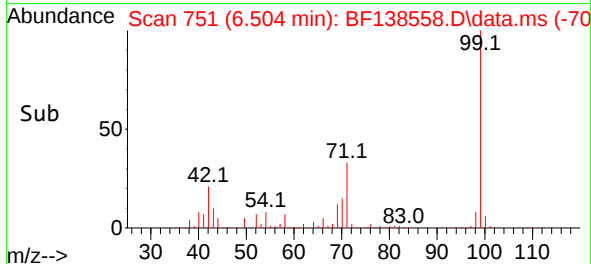
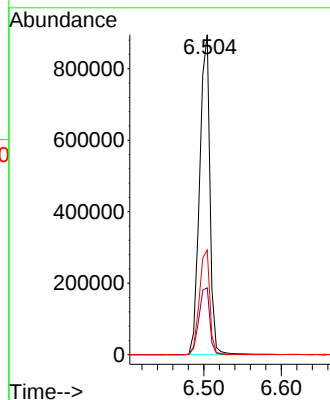
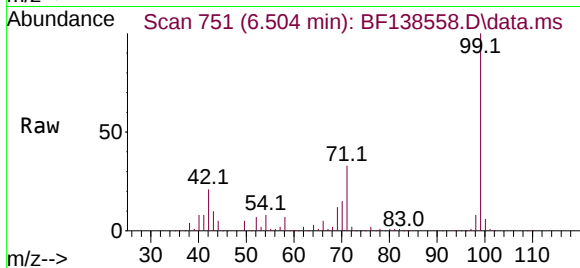




#7
Phenol-d6
Concen: 88.180 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF138558.D
Acq: 12 Jul 2024 21:09

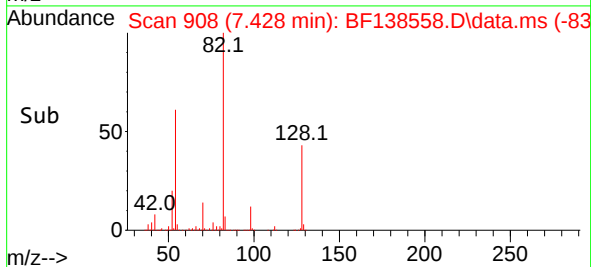
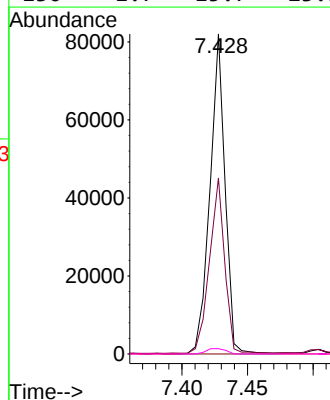
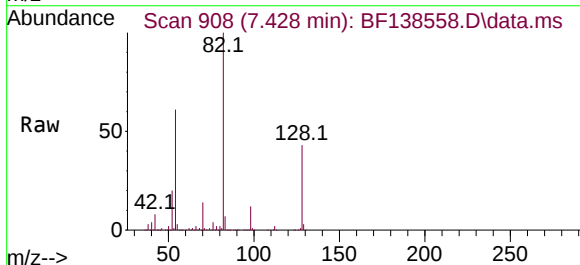
Instrument :
BNA_F
ClientSampleId :
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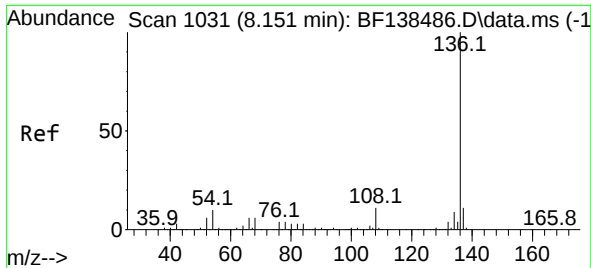
Tgt Ion: 99 Resp: 822735
Ion Ratio Lower Upper
99 100
42 20.9 19.7 29.5
71 32.7 29.9 44.9



#19
n-Nitroso-di-n-propylamine
Concen: 11.424 ng
RT: 7.428 min Scan# 908
Delta R.T. 0.147 min
Lab File: BF138558.D
Acq: 12 Jul 2024 21:09

Tgt Ion: 70 Resp: 65861
Ion Ratio Lower Upper
70 100
42 55.0 62.4 93.6#
101 0.0 7.2 10.8#
130 1.7 15.7 23.5#

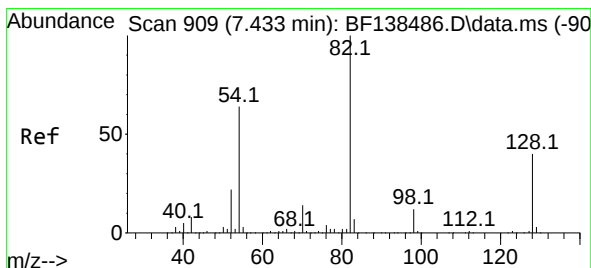
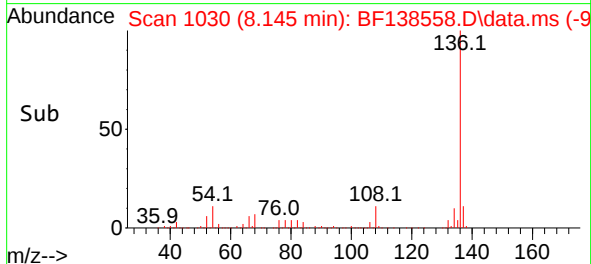
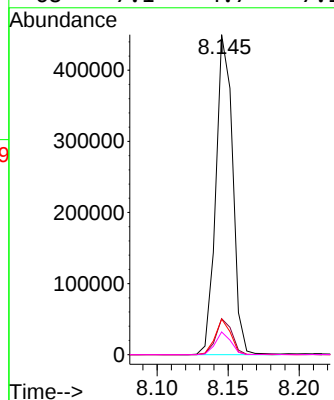
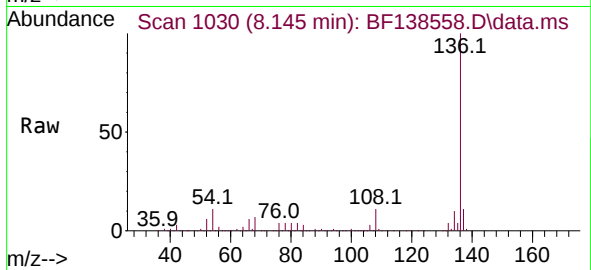




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF138558.D
Acq: 12 Jul 2024 21:09

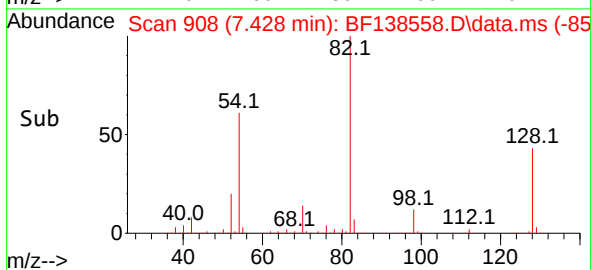
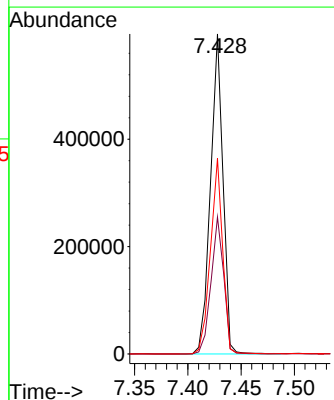
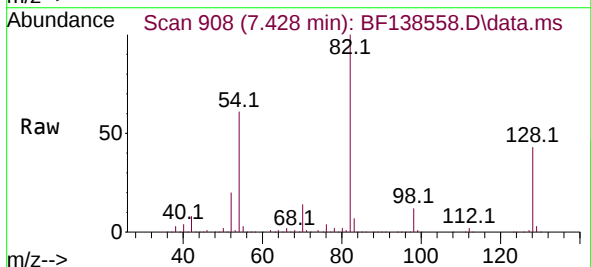
Instrument :
BNA_F
ClientSampleId :
WC-3

Tgt Ion:136 Resp: 370840
Ion Ratio Lower Upper
136 100
137 11.2 8.5 12.7
54 11.2 8.1 12.1
68 7.1 4.7 7.1#



#23
Nitrobenzene-d5
Concen: 64.578 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF138558.D
Acq: 12 Jul 2024 21:09

Tgt Ion: 82 Resp: 487765
Ion Ratio Lower Upper
82 100
128 42.8 32.3 48.5
54 61.1 51.4 77.0

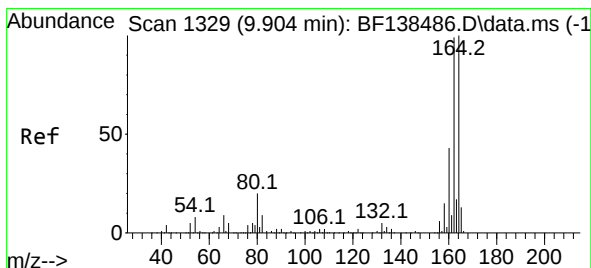
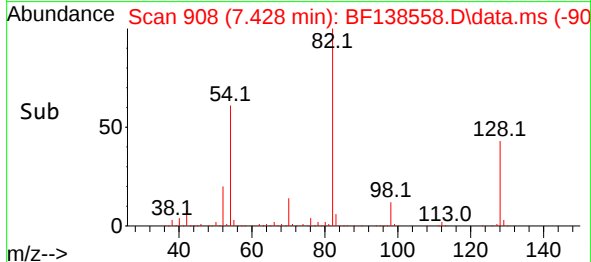
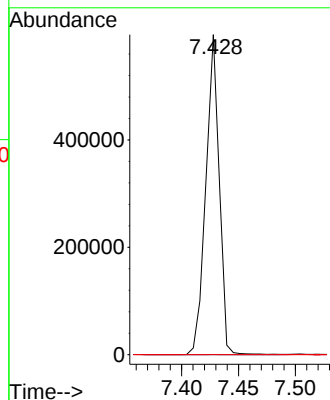
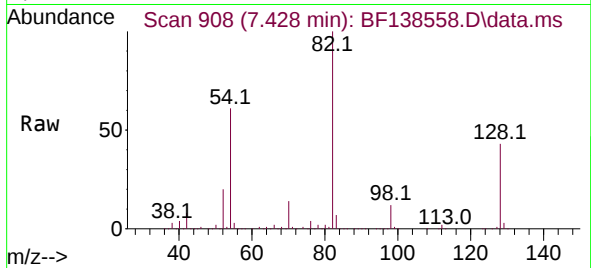




#25
Isophorone
Concen: 37.603 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF138558.D
Acq: 12 Jul 2024 21:09

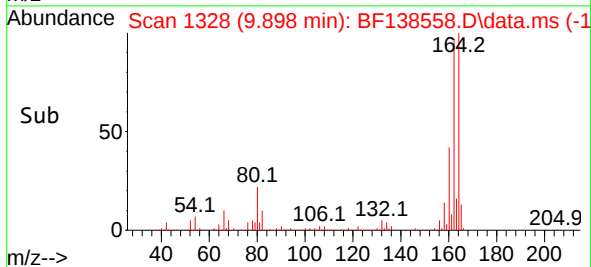
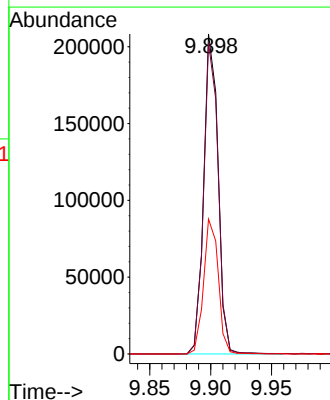
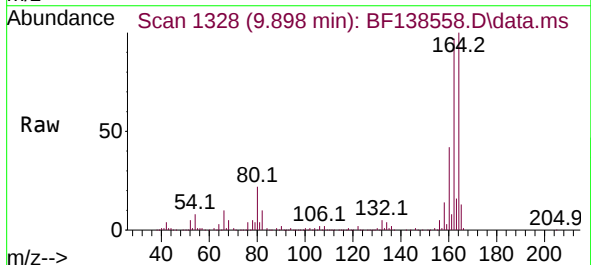
Instrument :
BNA_F
ClientSampleId :
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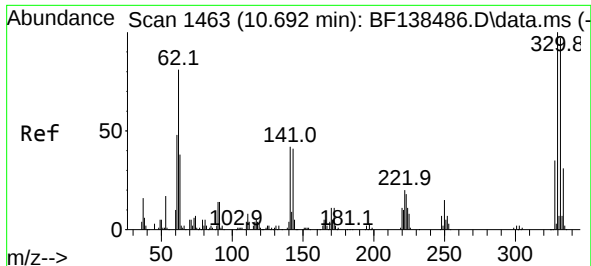
Tgt Ion: 82 Resp: 487753
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 12.8 19.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF138558.D
Acq: 12 Jul 2024 21:09

Tgt Ion:164 Resp: 171533
Ion Ratio Lower Upper
164 100
162 97.3 79.0 118.6
160 42.2 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 90.548 ng

RT: 10.692 min Scan# 1463

Delta R.T. 0.000 min

Lab File: BF138558.D

Acq: 12 Jul 2024 21:09

Instrument :

BNA_F

ClientSampleId :

WC-3

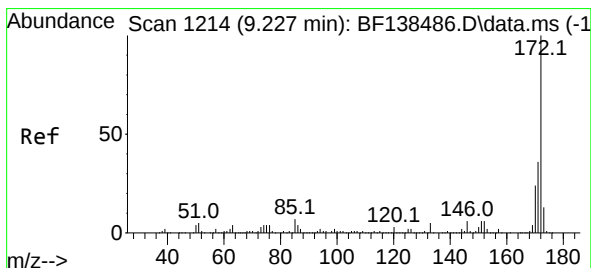
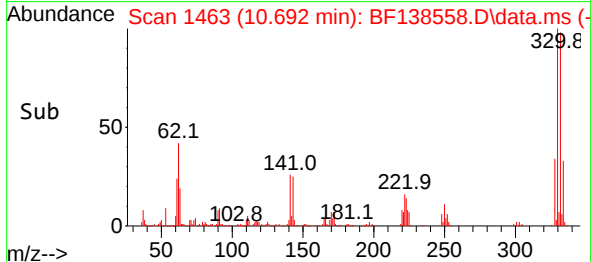
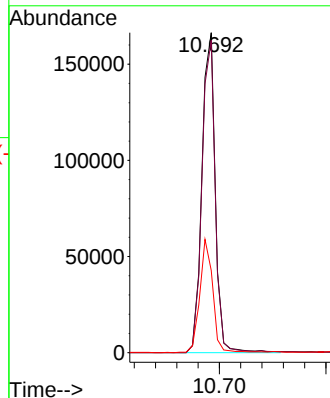
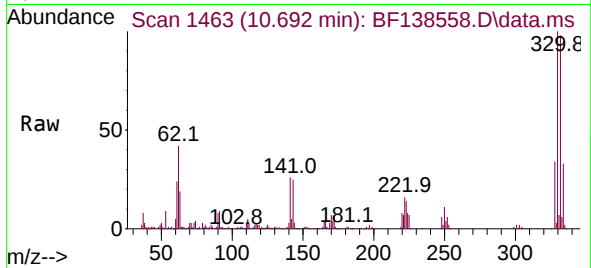
Tgt Ion:330 Resp: 145162

Ion Ratio Lower Upper

330 100

332 97.9 76.8 115.2

141 34.5 29.4 44.2



#45

2-Fluorobiphenyl

Concen: 68.317 ng

RT: 9.222 min Scan# 1213

Delta R.T. -0.006 min

Lab File: BF138558.D

Acq: 12 Jul 2024 21:09

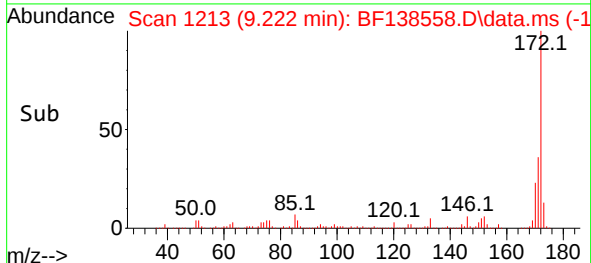
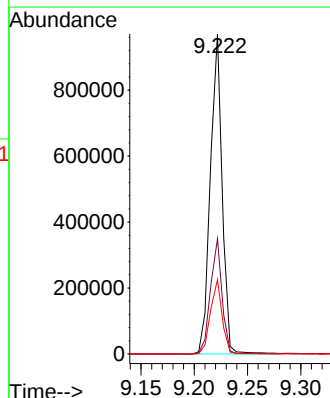
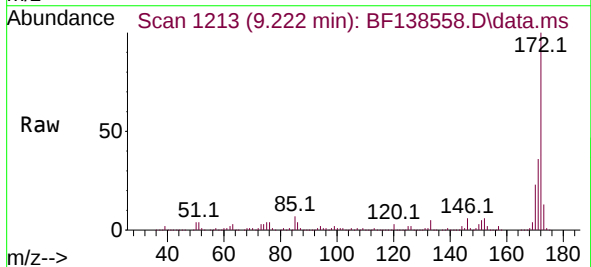
Tgt Ion:172 Resp: 749801

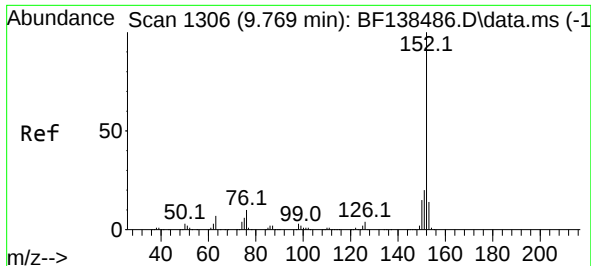
Ion Ratio Lower Upper

172 100

171 36.0 28.9 43.3

170 23.2 18.9 28.3





#49

Acenaphthylene

Concen: 2.734 ng

RT: 9.763 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138558.D

Acq: 12 Jul 2024 21:09

Instrument :

BNA_F

ClientSampleId :

WC-3

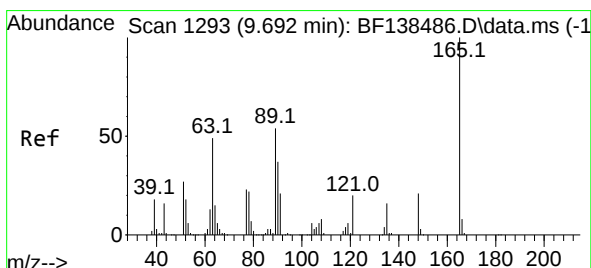
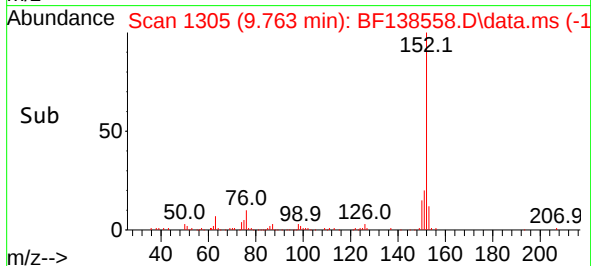
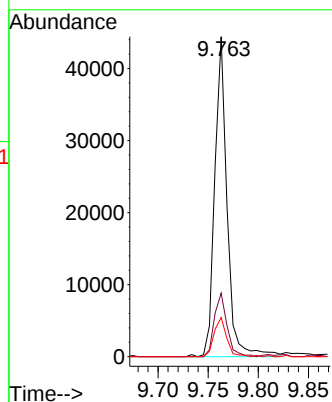
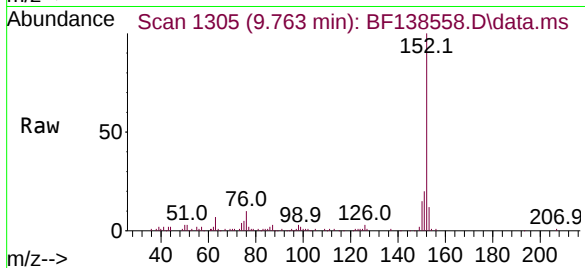
Tgt Ion:152 Resp: 38126

Ion Ratio Lower Upper

152 100

151 19.8 16.3 24.5

153 12.3 11.3 16.9



#51

2,6-Dinitrotoluene

Concen: 8.833 ng

RT: 9.898 min Scan# 1328

Delta R.T. 0.206 min

Lab File: BF138558.D

Acq: 12 Jul 2024 21:09

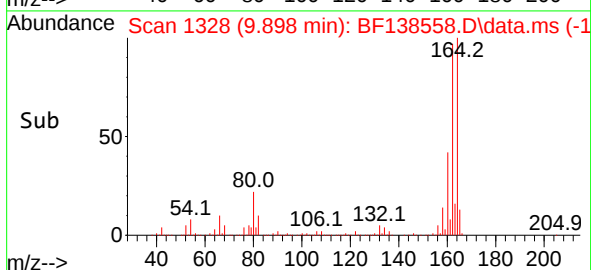
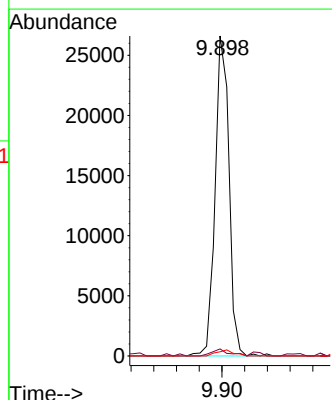
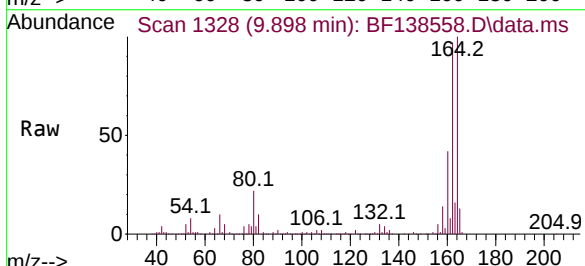
Tgt Ion:165 Resp: 22557

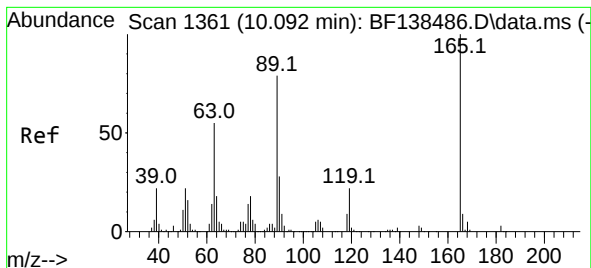
Ion Ratio Lower Upper

165 100

63 2.2 48.1 72.1#

89 1.3 43.0 64.6#

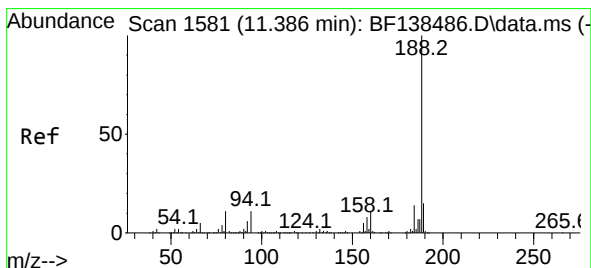
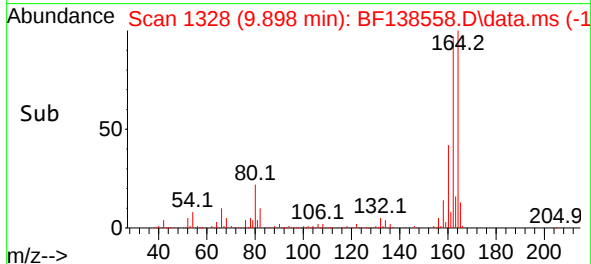
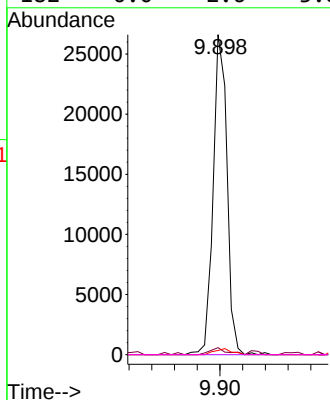
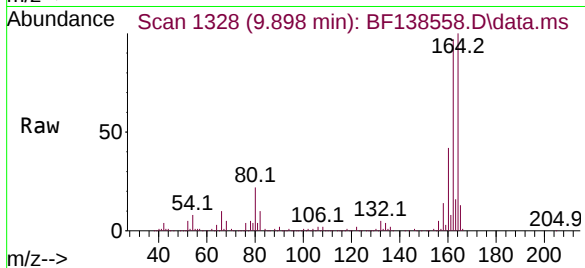




#57
2,4-Dinitrotoluene
Concen: 6.827 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.194 min
Lab File: BF138558.D
Acq: 12 Jul 2024 21:09

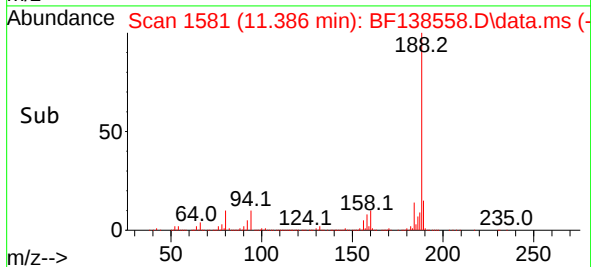
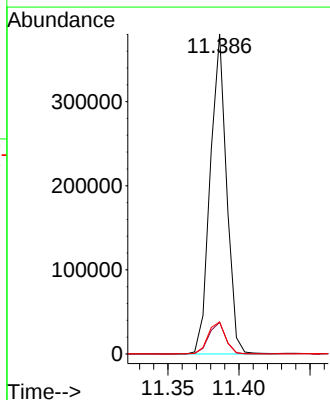
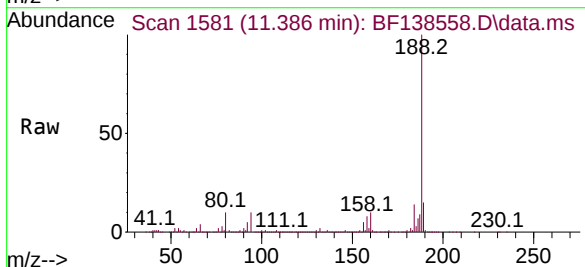
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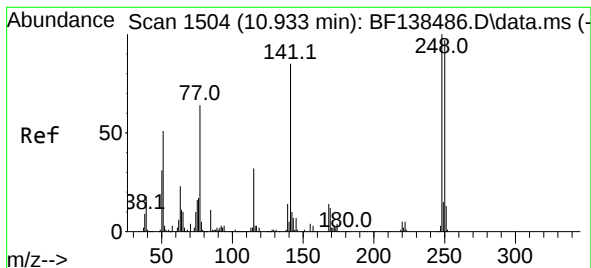
Tgt Ion:	165	Resp:	22557
Ion Ratio	Lower	Upper	
165	100		
63	2.2	44.6	66.8#
89	1.3	63.4	95.2#
182	0.0	2.6	3.8#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF138558.D
Acq: 12 Jul 2024 21:09

Tgt Ion:	188	Resp:	305197
Ion Ratio	Lower	Upper	
188	100		
94	9.9	8.7	13.1
80	10.0	9.0	13.4

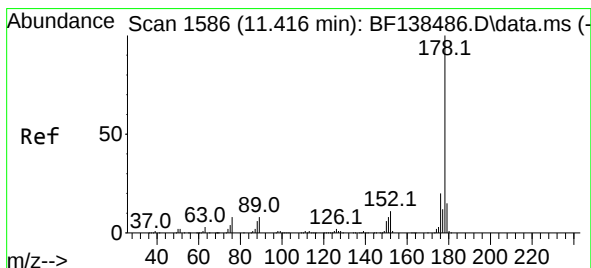
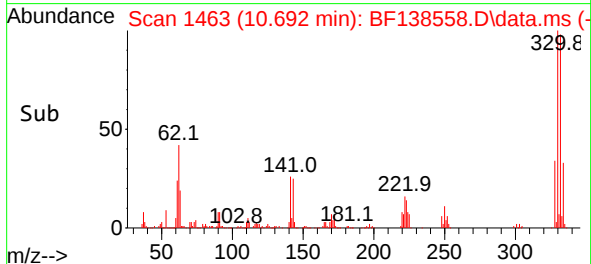
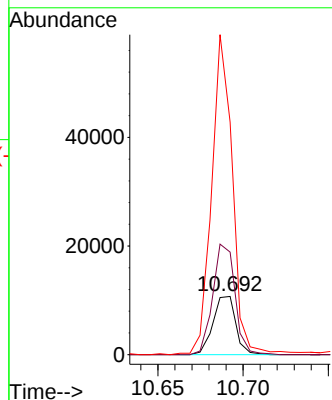
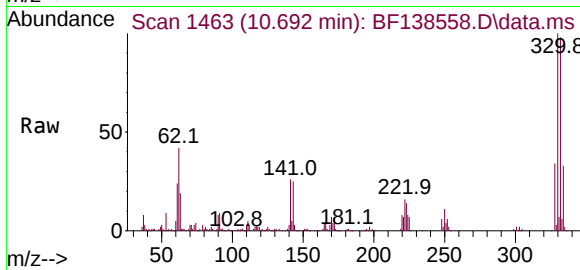




#67
4-Bromophenyl-phenylether
Concen: 3.182 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.241 min
Lab File: BF138558.D
Acq: 12 Jul 2024 21:09

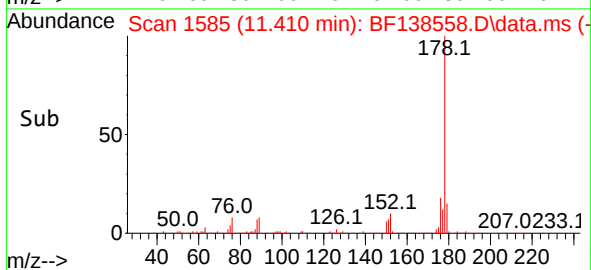
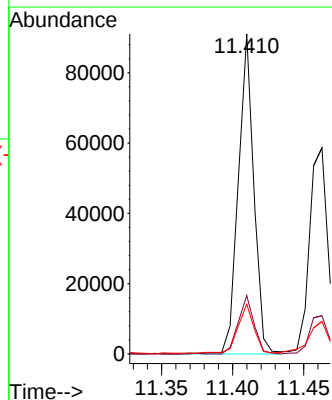
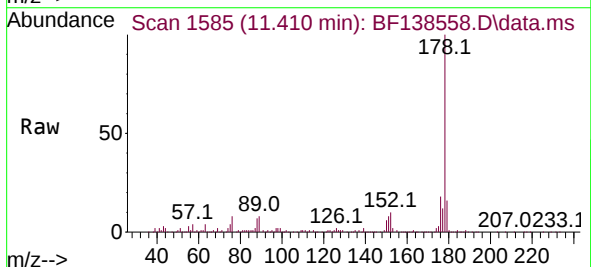
Instrument :
BNA_F
ClientSampleId :
WC-3

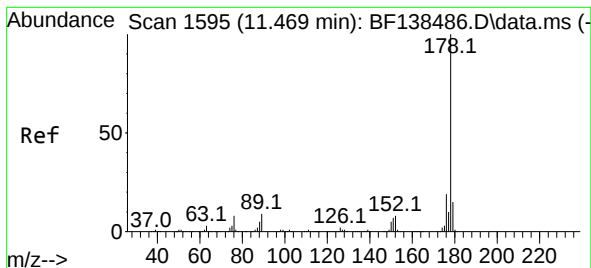
Tgt Ion:248 Resp: 9981
Ion Ratio Lower Upper
248 100
250 176.0 77.9 116.9#
141 399.0 67.7 101.5#



#71
Phenanthrene
Concen: 4.500 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF138558.D
Acq: 12 Jul 2024 21:09

Tgt Ion:178 Resp: 69388
Ion Ratio Lower Upper
178 100
176 18.3 15.7 23.5
179 15.6 12.2 18.2





#72

Anthracene

Concen: 3.810 ng

RT: 11.463 min Scan# 1595

Delta R.T. -0.006 min

Lab File: BF138558.D

Acq: 12 Jul 2024 21:09

Instrument :

BNA_F

ClientSampleId :

WC-3

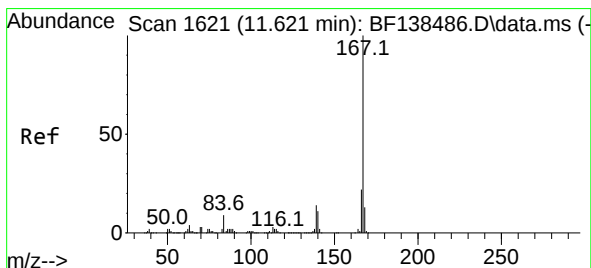
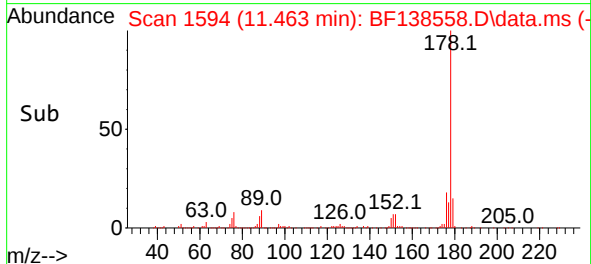
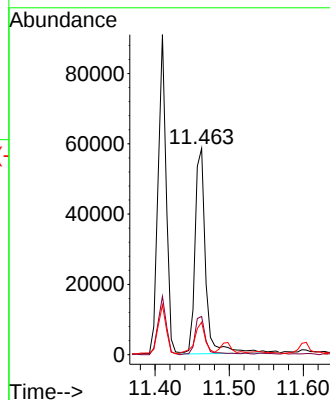
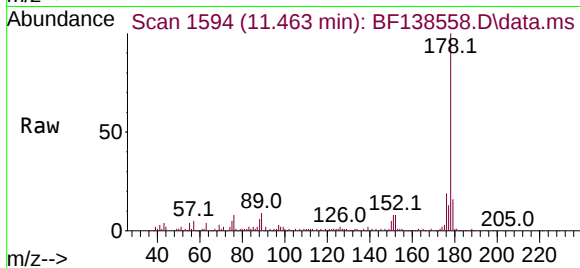
Tgt Ion:178 Resp: 58311

Ion Ratio Lower Upper

178 100

176 18.5 14.8 22.2

179 15.8 12.2 18.4



#73

Carbazole

Concen: 3.129 ng

RT: 11.616 min Scan# 1620

Delta R.T. -0.006 min

Lab File: BF138558.D

Acq: 12 Jul 2024 21:09

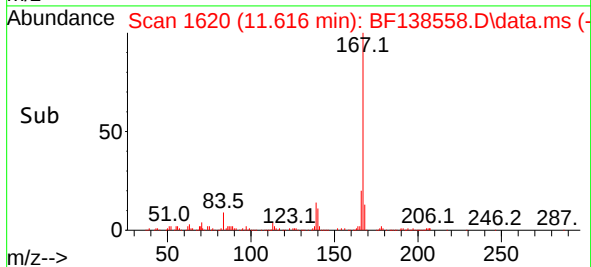
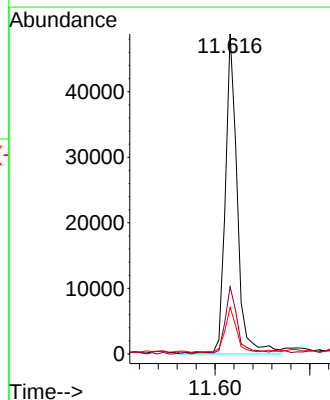
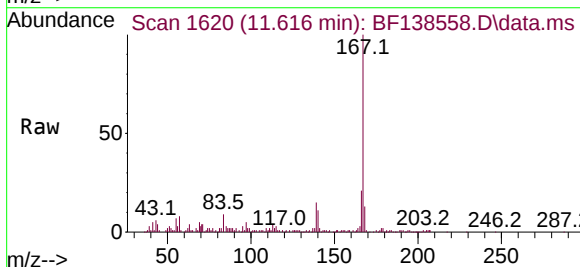
Tgt Ion:167 Resp: 43044

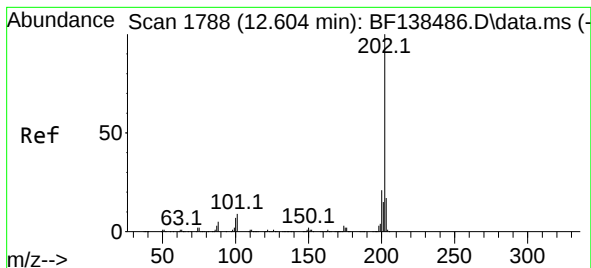
Ion Ratio Lower Upper

167 100

166 21.0 17.8 26.6

139 14.5 11.0 16.4





#75

Fluoranthene

Concen: 15.751 ng

RT: 12.598 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138558.D

Acq: 12 Jul 2024 21:09

Instrument :

BNA_F

ClientSampleId :

WC-3

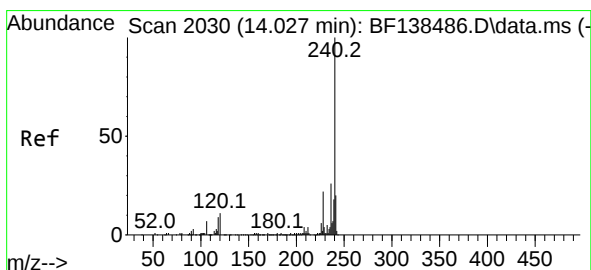
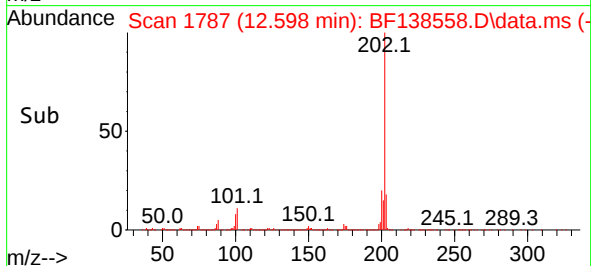
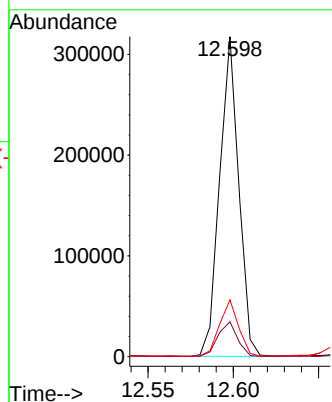
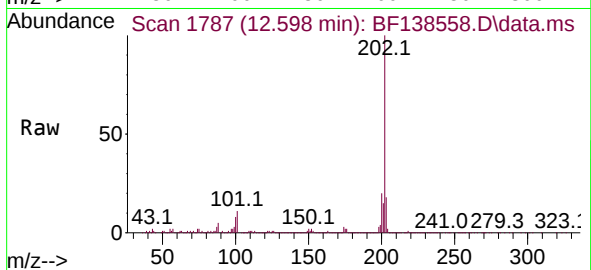
Tgt Ion:202 Resp: 247816

Ion Ratio Lower Upper

202 100

101 10.9 0.0 29.2

203 17.7 0.0 37.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.022 min Scan# 2029

Delta R.T. -0.006 min

Lab File: BF138558.D

Acq: 12 Jul 2024 21:09

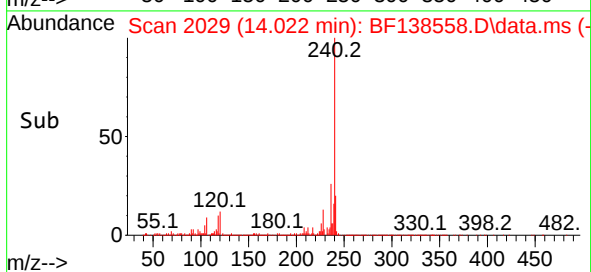
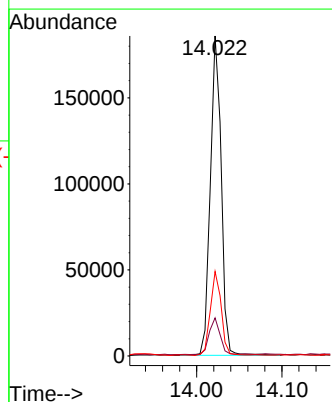
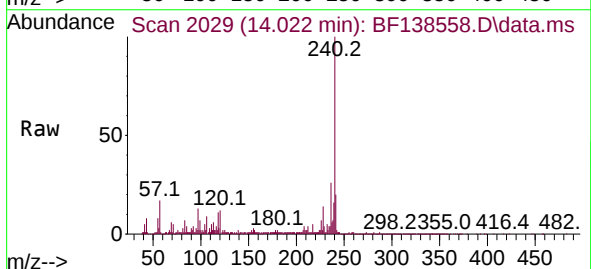
Tgt Ion:240 Resp: 164743

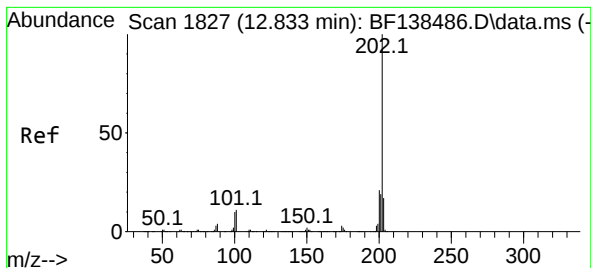
Ion Ratio Lower Upper

240 100

120 11.9 8.6 12.8

236 26.4 21.0 31.6





#78

Pyrene

Concen: 15.818 ng

RT: 12.827 min Scan# 1826

Delta R.T. -0.006 min

Lab File: BF138558.D

Acq: 12 Jul 2024 21:09

Instrument :

BNA_F

ClientSampleId :

WC-3

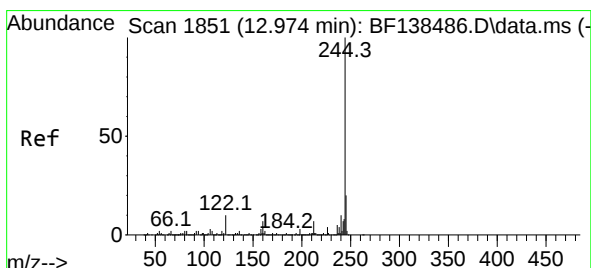
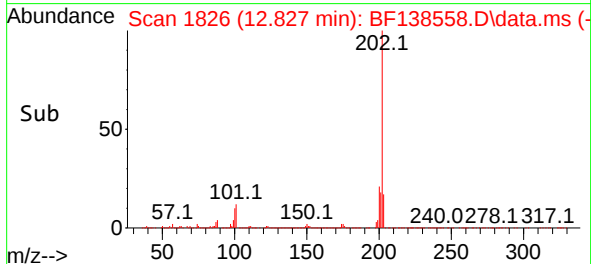
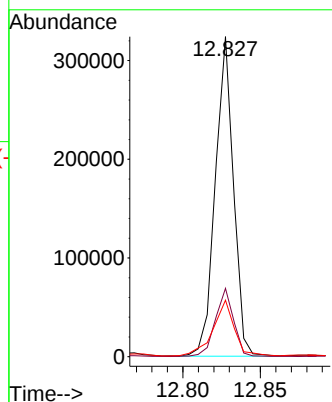
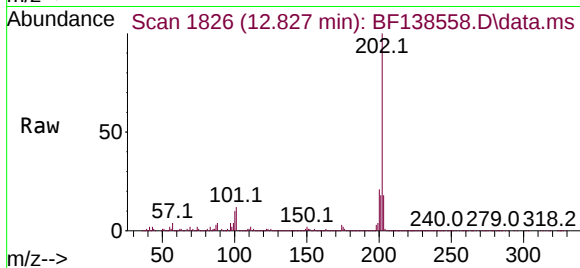
Tgt Ion:202 Resp: 264531

Ion Ratio Lower Upper

202 100

200 21.4 17.0 25.6

203 17.7 13.7 20.5



#79

Terphenyl-d14

Concen: 73.003 ng

RT: 12.969 min Scan# 1850

Delta R.T. -0.006 min

Lab File: BF138558.D

Acq: 12 Jul 2024 21:09

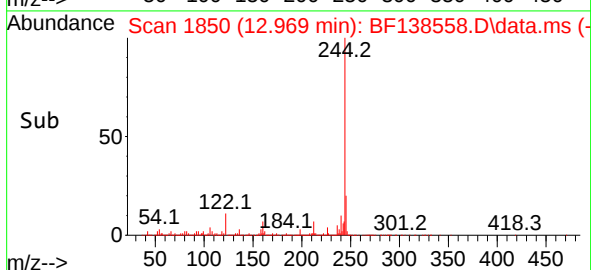
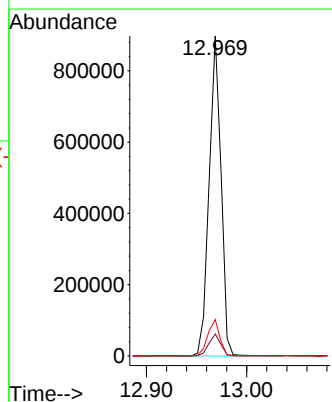
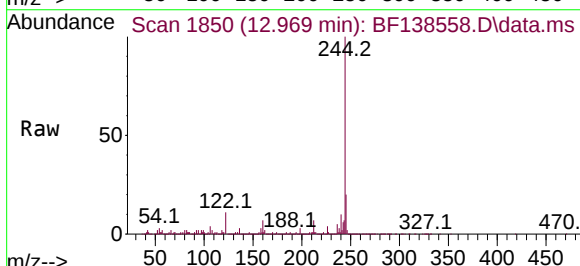
Tgt Ion:244 Resp: 738236

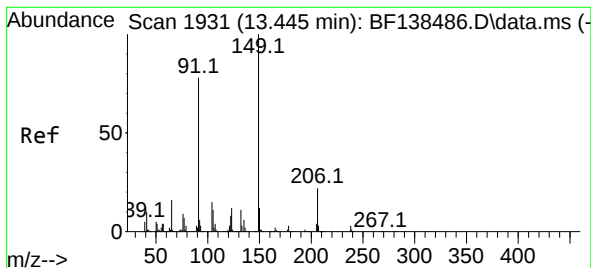
Ion Ratio Lower Upper

244 100

212 6.8 5.5 8.3

122 11.3 7.8 11.8





#80

Butylbenzylphthalate

Concen: 2.692 ng

RT: 13.439 min Scan# 1931

Delta R.T. -0.006 min

Lab File: BF138558.D

Acq: 12 Jul 2024 21:09

Instrument :

BNA_F

ClientSampleId :

WC-3

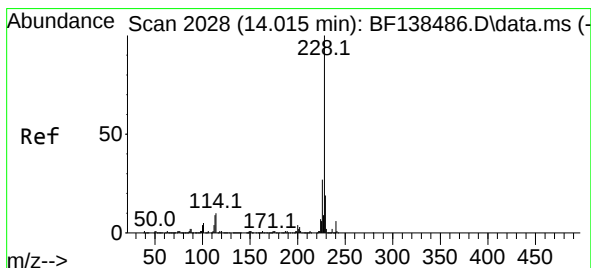
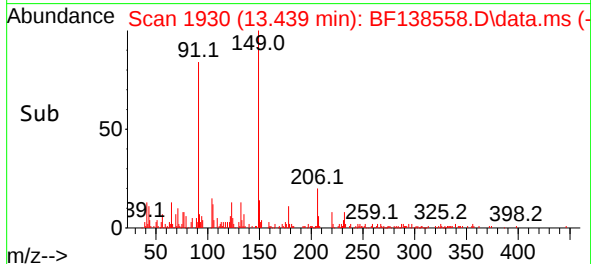
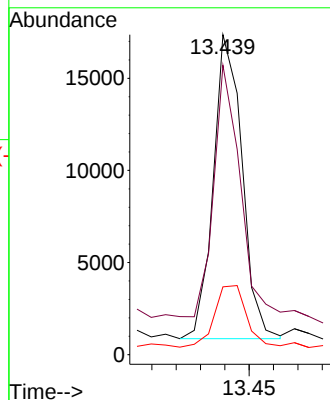
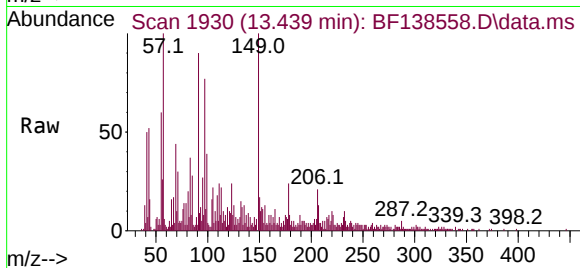
Tgt Ion:149 Resp: 13542

Ion Ratio Lower Upper

149 100

91 90.5 62.1 93.1

206 21.2 18.0 27.0



#81

Benzo(a)anthracene

Concen: 8.219 ng

RT: 14.010 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF138558.D

Acq: 12 Jul 2024 21:09

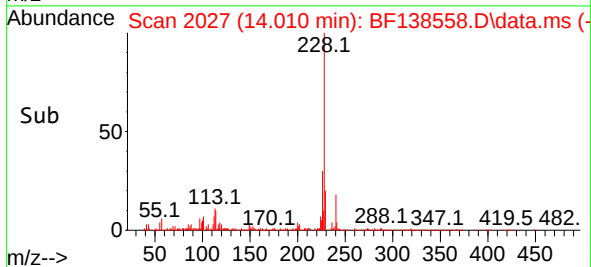
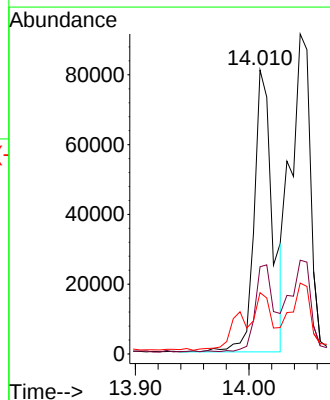
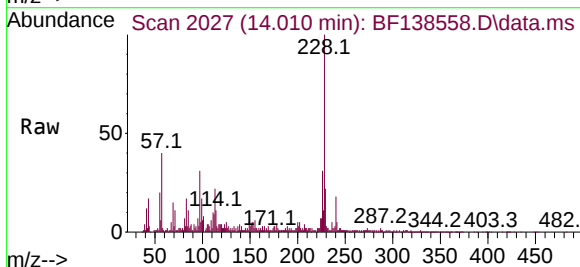
Tgt Ion:228 Resp: 90853

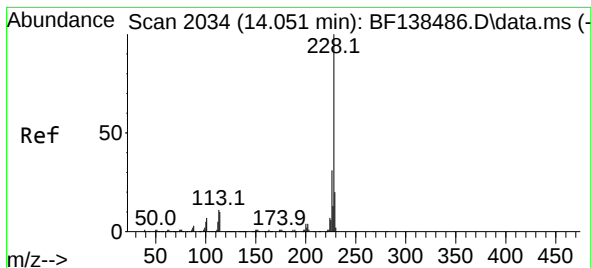
Ion Ratio Lower Upper

228 100

226 30.7 21.9 32.9

229 21.6 15.5 23.3





#83

Chrysene

Concen: 10.505 ng

RT: 14.045 min Scan# 2034

Delta R.T. -0.006 min

Lab File: BF138558.D

Acq: 12 Jul 2024 21:09

Instrument :

BNA_F

ClientSampleId :

WC-3

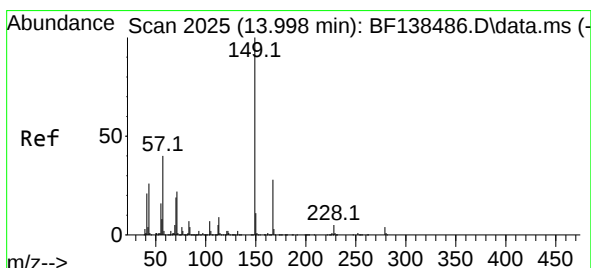
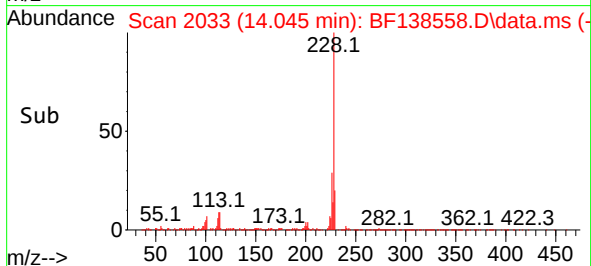
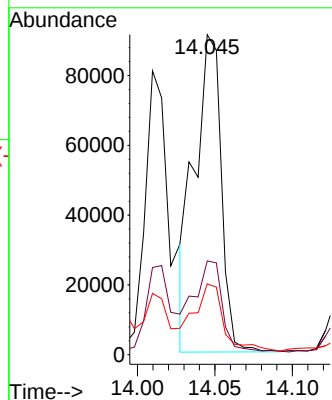
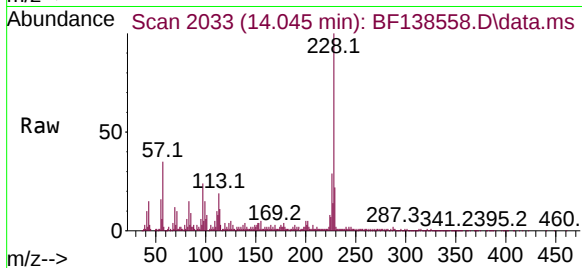
Tgt Ion:228 Resp: 109857

Ion Ratio Lower Upper

228 100

226 29.3 24.4 36.6

229 22.1 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.749 ng

RT: 13.998 min Scan# 2025

Delta R.T. 0.000 min

Lab File: BF138558.D

Acq: 12 Jul 2024 21:09

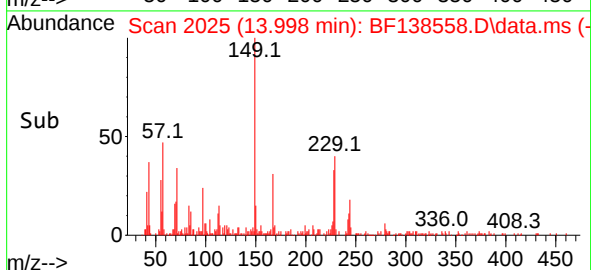
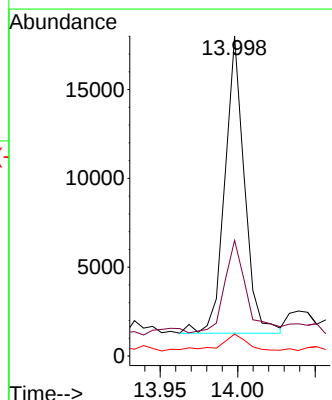
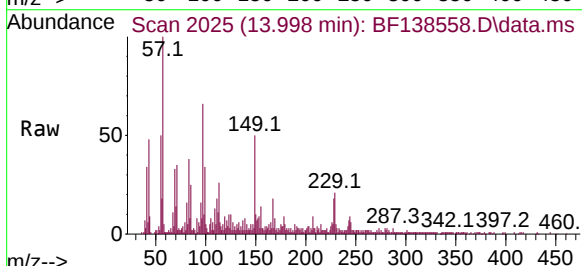
Tgt Ion:149 Resp: 14747

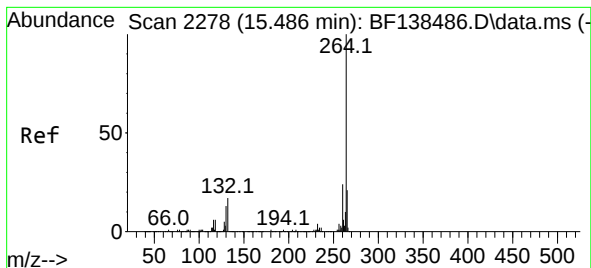
Ion Ratio Lower Upper

149 100

167 36.2 22.5 33.7#

279 6.9 3.0 4.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF138558.D

Acq: 12 Jul 2024 21:09

Instrument :

BNA_F

ClientSampleId :

WC-3

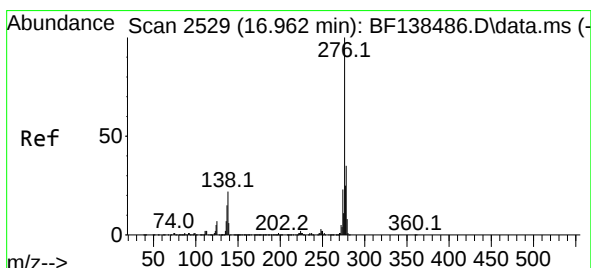
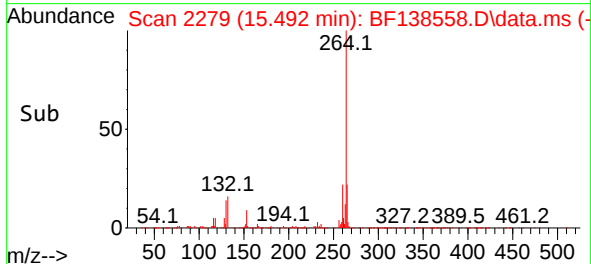
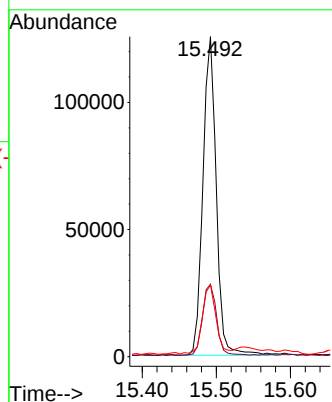
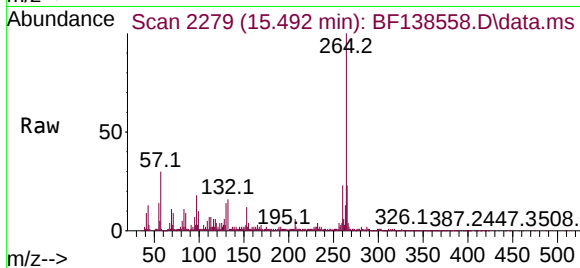
Tgt Ion:264 Resp: 157397

Ion Ratio Lower Upper

264 100

260 22.7 19.0 28.6

265 22.5 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.675 ng

RT: 16.962 min Scan# 2529

Delta R.T. 0.000 min

Lab File: BF138558.D

Acq: 12 Jul 2024 21:09

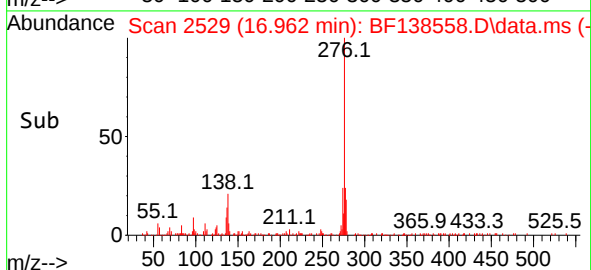
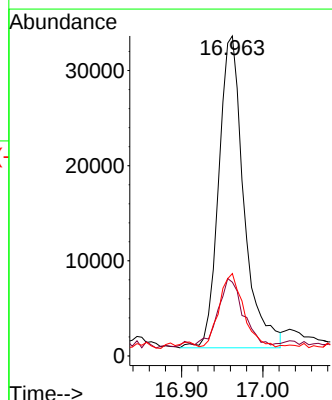
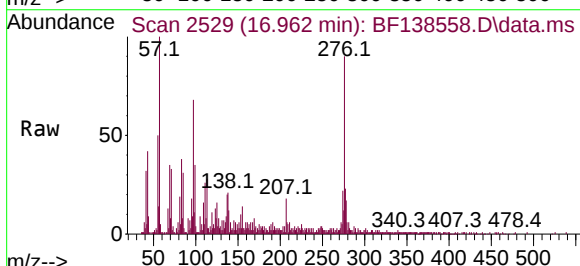
Tgt Ion:276 Resp: 70575

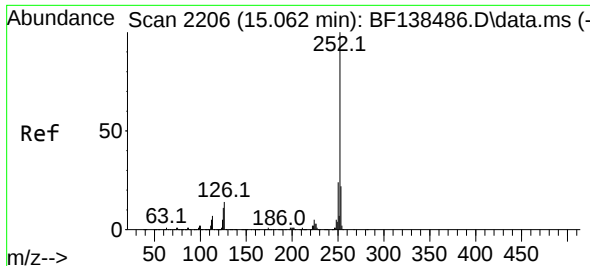
Ion Ratio Lower Upper

276 100

138 21.5 19.6 29.4

277 22.5 20.5 30.7

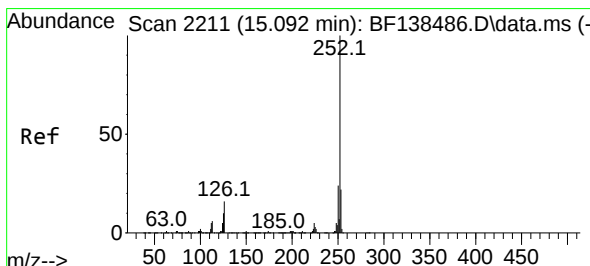
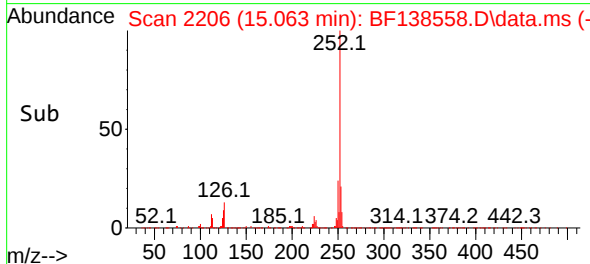
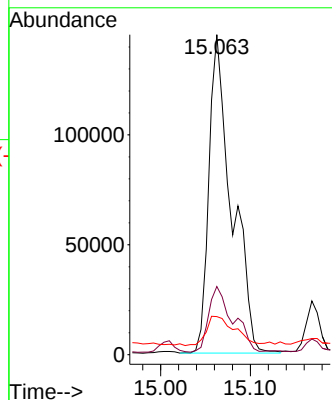
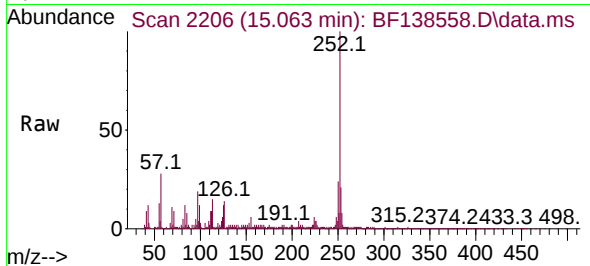




#88
Benzo(b)fluoranthene
Concen: 28.826 ng
RT: 15.063 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BF138558.D
Acq: 12 Jul 2024 21:09

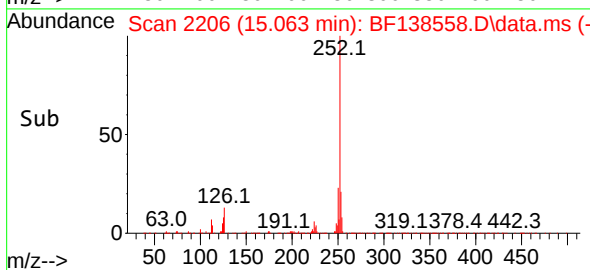
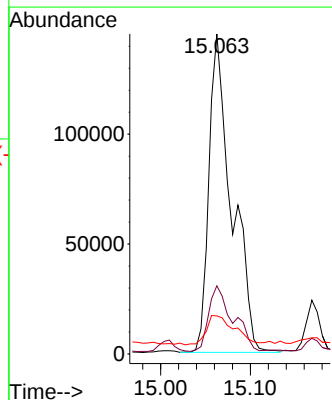
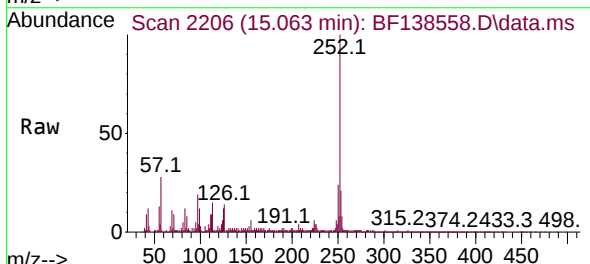
Instrument :
BNA_F
ClientSampleId :
WC-3

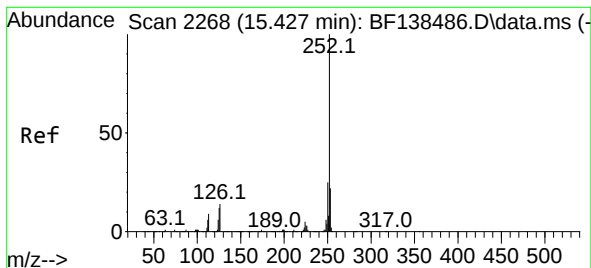
Tgt Ion:252 Resp: 255519
Ion Ratio Lower Upper
252 100
253 21.3 17.3 25.9
125 11.9 8.6 13.0



#89
Benzo(k)fluoranthene
Concen: 29.557 ng
RT: 15.063 min Scan# 2206
Delta R.T. -0.029 min
Lab File: BF138558.D
Acq: 12 Jul 2024 21:09

Tgt Ion:252 Resp: 255519
Ion Ratio Lower Upper
252 100
253 21.3 17.7 26.5
125 11.9 8.1 12.1





#90

Benzo(a)pyrene

Concen: 11.324 ng

RT: 15.427 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF138558.D

Acq: 12 Jul 2024 21:09

Instrument :

BNA_F

ClientSampleId :

WC-3

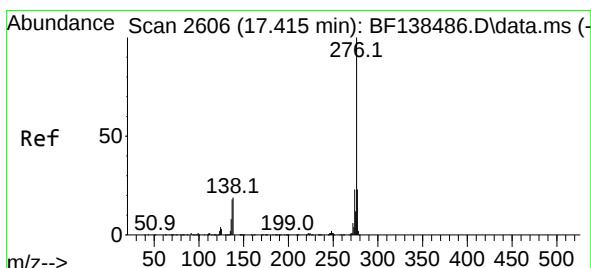
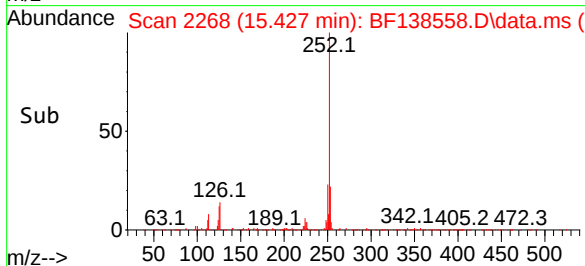
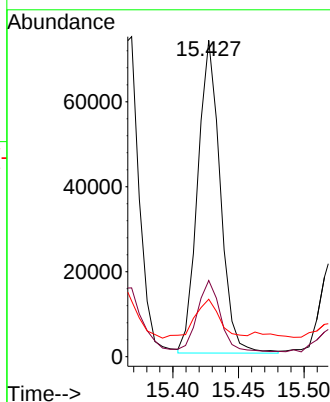
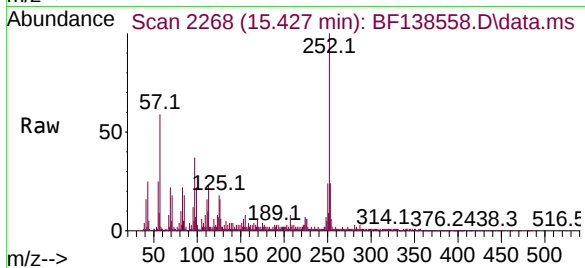
Tgt Ion:252 Resp: 88180

Ion Ratio Lower Upper

252 100

253 24.1 17.4 26.0

125 18.2 9.4 14.2#



#92

Benzo(g,h,i)perylene

Concen: 7.192 ng

RT: 17.404 min Scan# 2604

Delta R.T. -0.012 min

Lab File: BF138558.D

Acq: 12 Jul 2024 21:09

Tgt Ion:276 Resp: 65951

Ion Ratio Lower Upper

276 100

277 23.1 18.0 27.0

138 28.0 15.5 23.3#

