

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071924\
 Data File : BF138598.D
 Acq On : 19 Jul 2024 19:33
 Operator : RC/JU
 Sample : P3294-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-3-071724

Quant Time: Jul 19 23:19:16 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)

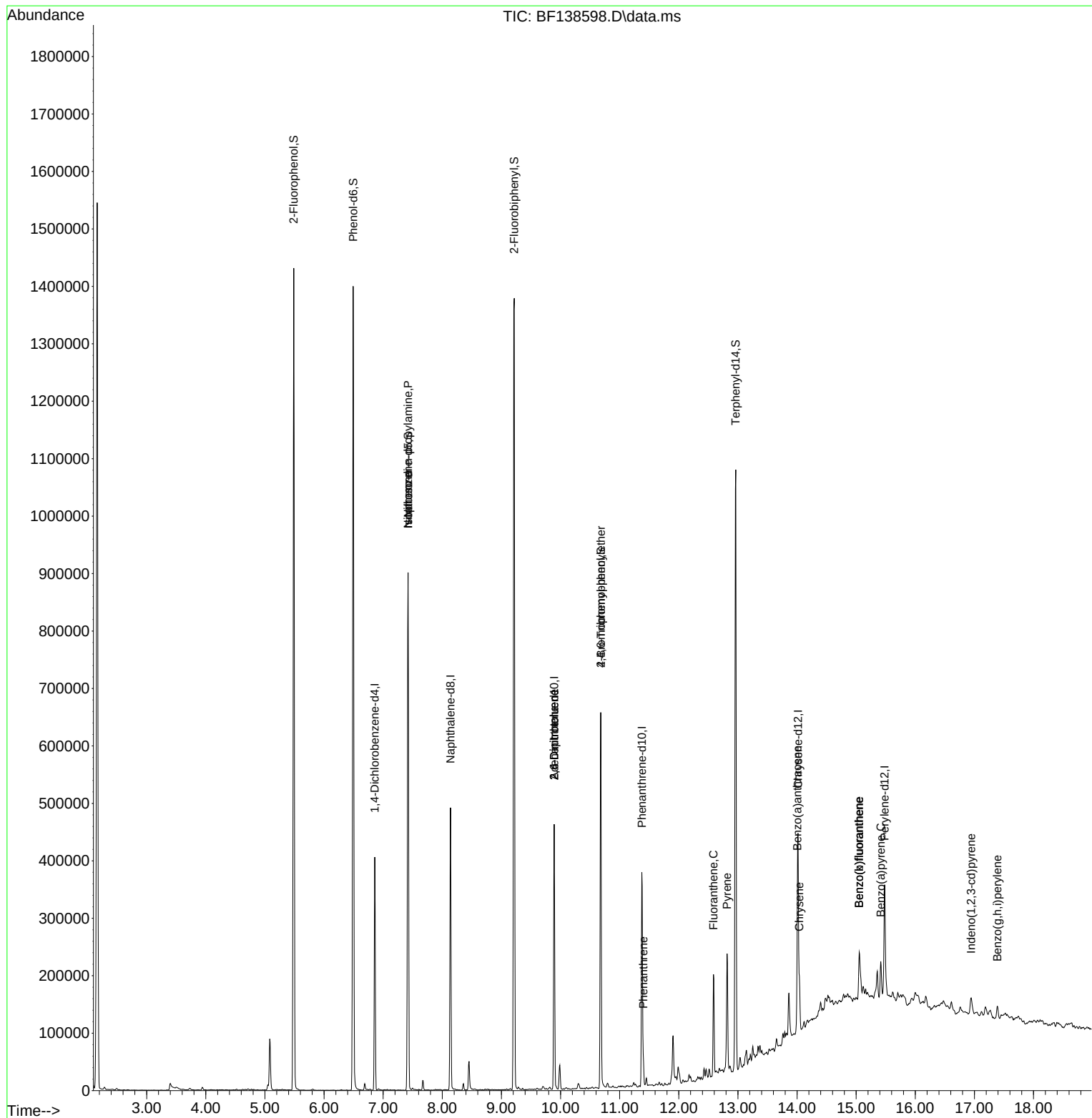
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	74169	20.000	ng	-0.01
21) Naphthalene-d8	8.140	136	282683	20.000	ng	-0.01
39) Acenaphthene-d10	9.892	164	131162	20.000	ng	-0.01
64) Phenanthrene-d10	11.375	188	187414	20.000	ng	-0.01
76) Chrysene-d12	14.016	240	130977	20.000	ng	-0.01
86) Perylene-d12	15.480	264	105867	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	469379	100.228	ng	0.00
7) Phenol-d6	6.493	99	609699	97.866	ng	-0.01
23) Nitrobenzene-d5	7.422	82	384152	66.721	ng	-0.01
42) 2,4,6-Tribromophenol	10.681	330	97007	79.135	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	597204	71.162	ng	-0.01
79) Terphenyl-d14	12.963	244	499685	62.152	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	52216	13.564	ng	# 73
25) Isophorone	7.422	82	382922	38.728	ng	# 67
51) 2,6-Dinitrotoluene	9.892	165	17030	8.721	ng	# 24
57) 2,4-Dinitrotoluene	9.892	165	17030	6.740	ng	# 19
67) 4-Bromophenyl-phenylether	10.681	248	6140	3.188	ng	# 1
71) Phenanthrene	11.398	178	23504	2.482	ng	98
75) Fluoranthene	12.586	202	96360	9.974	ng	97
78) Pyrene	12.816	202	115167	8.662	ng	99
81) Benzo(a)anthracene	14.004	228	60855	6.924	ng	99
83) Chrysene	14.039	228	48268	5.806	ng	99
87) Indeno(1,2,3-cd)pyrene	16.945	276	18619	2.618	ng	97
88) Benzo(b)fluoranthene	15.051	252	63009	10.568	ng	# 93
89) Benzo(k)fluoranthene	15.051	252	63009	10.836	ng	# 93
90) Benzo(a)pyrene	15.416	252	35167	6.714	ng	96
92) Benzo(g,h,i)perylene	17.386	276	20286	3.289	ng	# 89

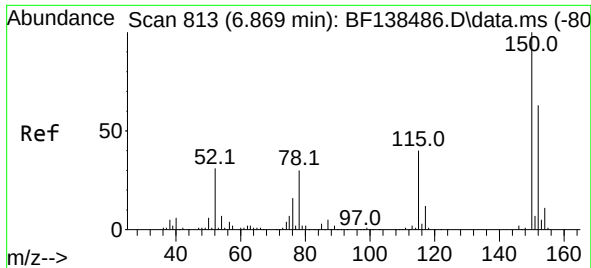
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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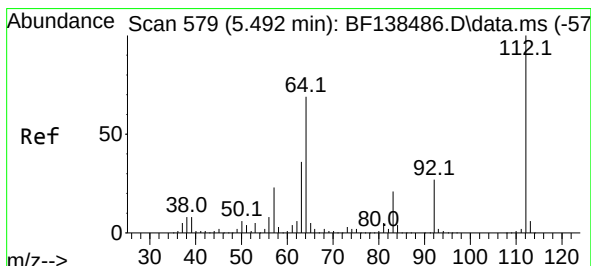
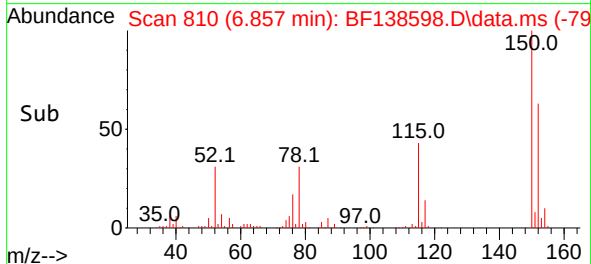
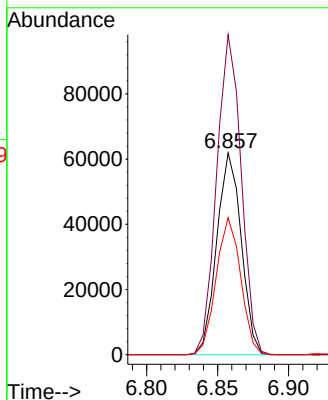
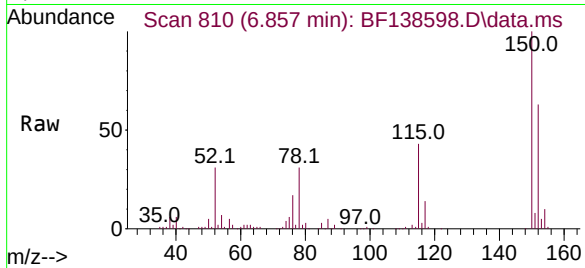




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 813
Delta R.T. -0.012 min
Lab File: BF138598.D
Acq: 19 Jul 2024 19:33

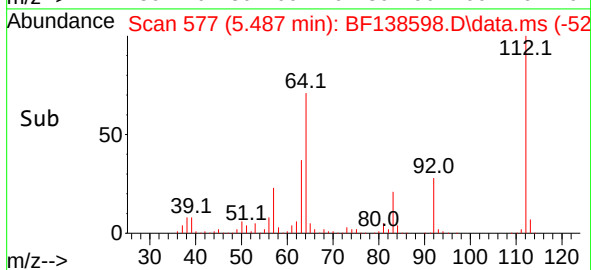
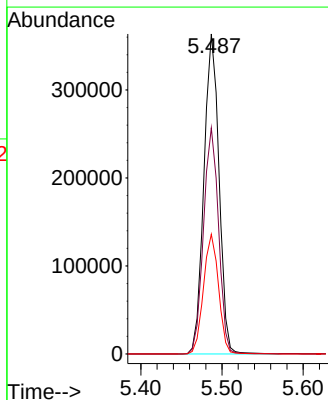
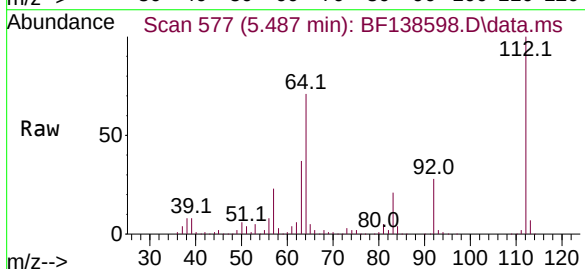
Instrument :
BNA_F
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HR-3-071724

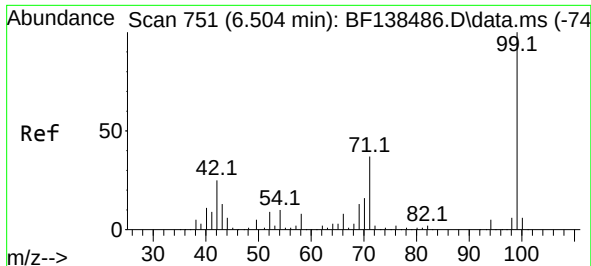
Tgt Ion:152 Resp: 74169
Ion Ratio Lower Upper
152 100
150 158.6 126.2 189.4
115 67.9 50.3 75.5



#5
2-Fluorophenol
Concen: 100.228 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF138598.D
Acq: 19 Jul 2024 19:33

Tgt Ion:112 Resp: 469379
Ion Ratio Lower Upper
112 100
64 70.7 55.1 82.7
63 37.4 29.0 43.6

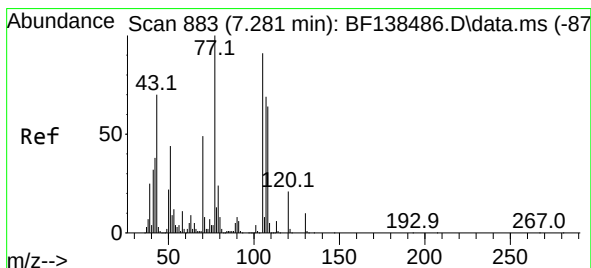
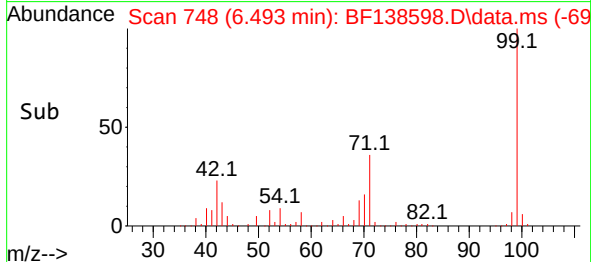
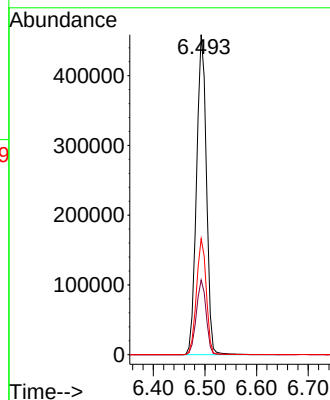
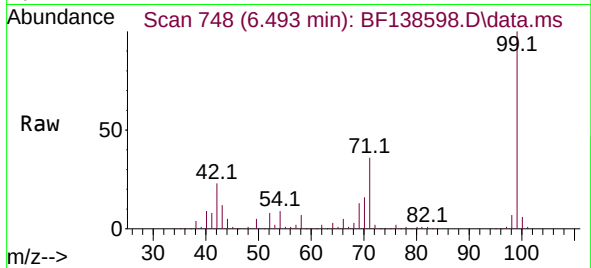




#7
Phenol-d6
Concen: 97.866 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.011 min
Lab File: BF138598.D
Acq: 19 Jul 2024 19:33

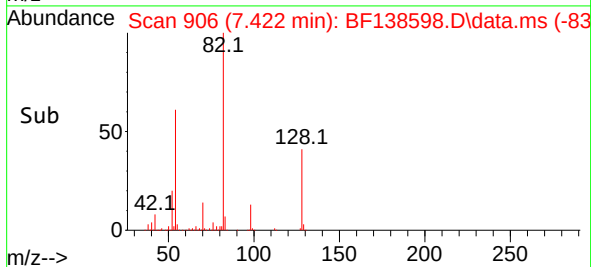
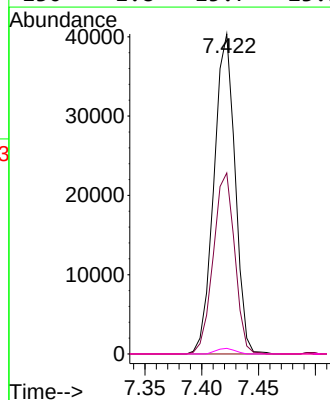
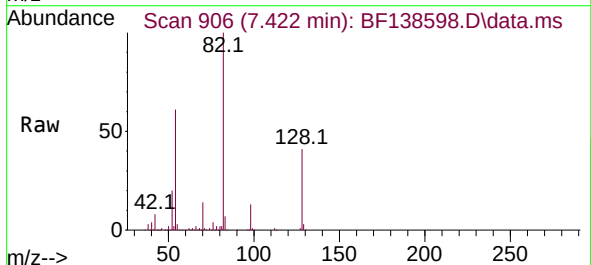
Instrument :
BNA_F
ClientSampleId :
HR-3-071724

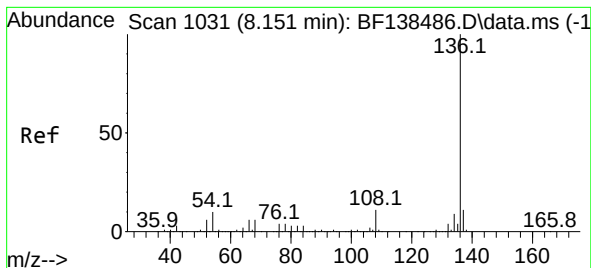
Tgt Ion: 99 Resp: 609699
Ion Ratio Lower Upper
99 100
42 23.4 19.7 29.5
71 36.3 29.9 44.9



#19
n-Nitroso-di-n-propylamine
Concen: 13.564 ng
RT: 7.422 min Scan# 906
Delta R.T. 0.141 min
Lab File: BF138598.D
Acq: 19 Jul 2024 19:33

Tgt Ion: 70 Resp: 52216
Ion Ratio Lower Upper
70 100
42 56.6 62.4 93.6#
101 0.0 7.2 10.8#
130 1.8 15.7 23.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.140 min Scan# 1

Delta R.T. -0.011 min

Lab File: BF138598.D

Acq: 19 Jul 2024 19:33

Instrument :

BNA_F

ClientSampleId :

HR-3-071724

Tgt Ion:136 Resp: 282683

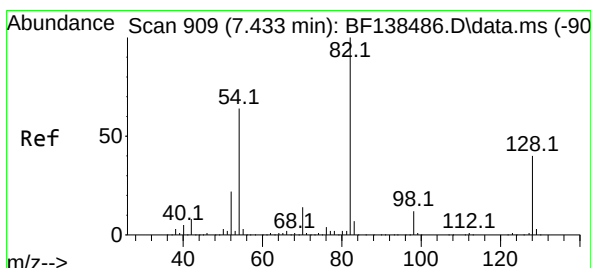
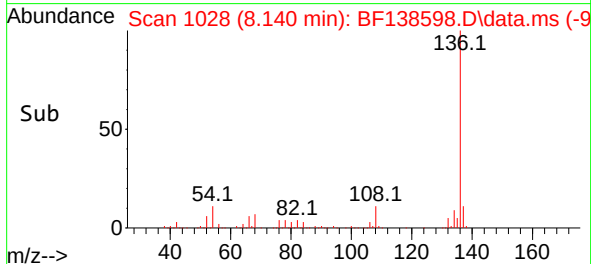
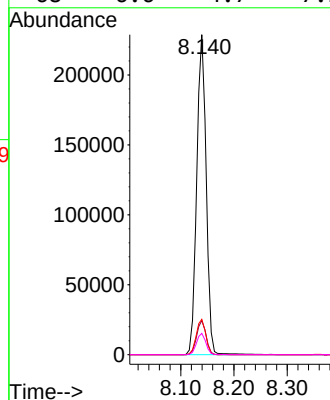
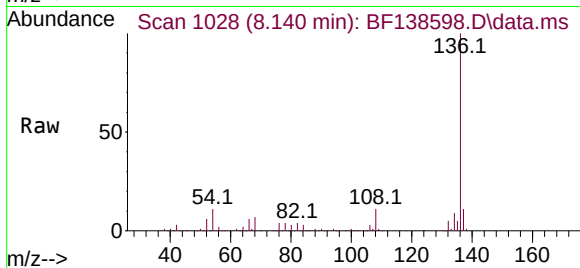
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 11.1 8.1 12.1

68 6.6 4.7 7.1



#23

Nitrobenzene-d5

Concen: 66.721 ng

RT: 7.422 min Scan# 906

Delta R.T. -0.011 min

Lab File: BF138598.D

Acq: 19 Jul 2024 19:33

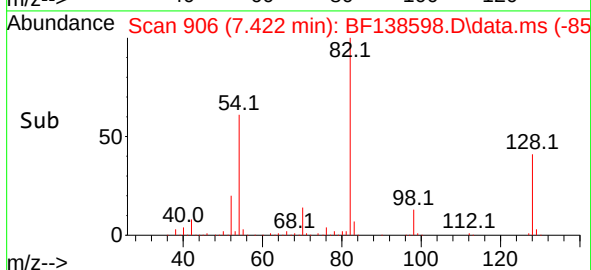
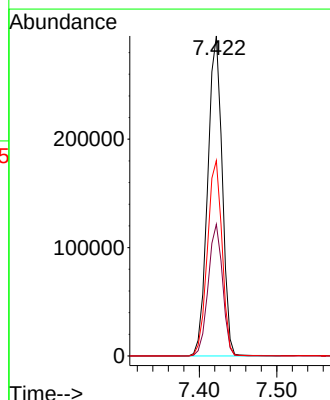
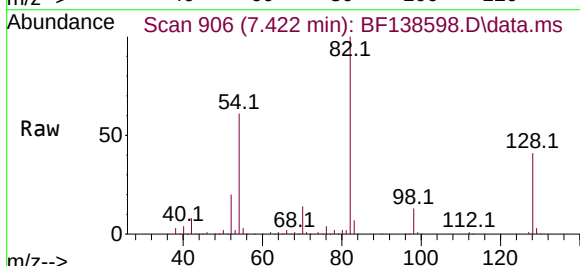
Tgt Ion: 82 Resp: 384152

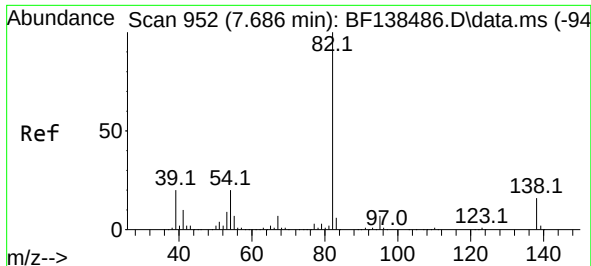
Ion Ratio Lower Upper

82 100

128 41.1 32.3 48.5

54 61.1 51.4 77.0

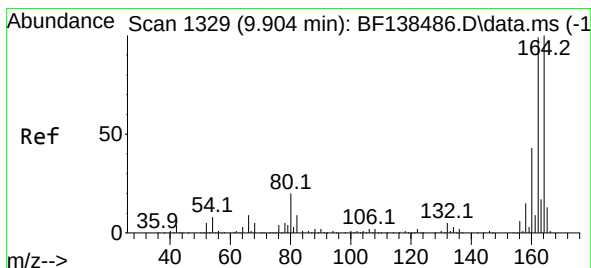
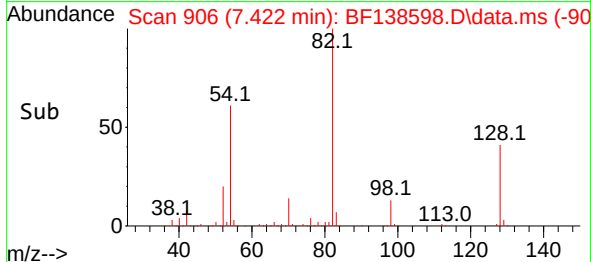
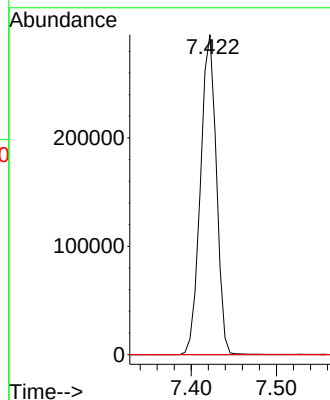
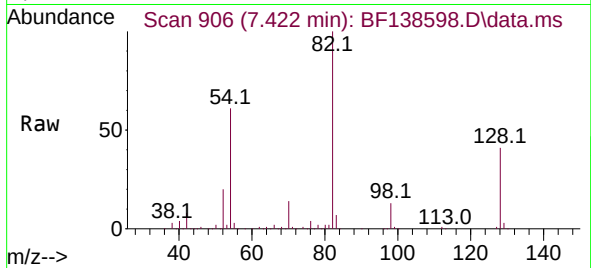




#25
Isophorone
Concen: 38.728 ng
RT: 7.422 min Scan# 90
Delta R.T. -0.264 min
Lab File: BF138598.D
Acq: 19 Jul 2024 19:33

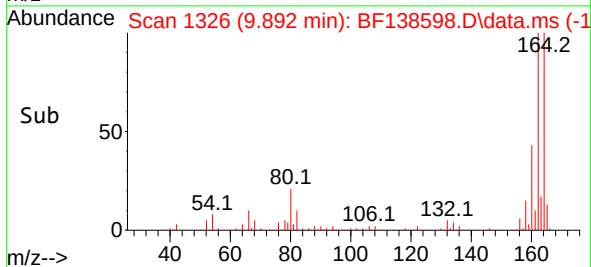
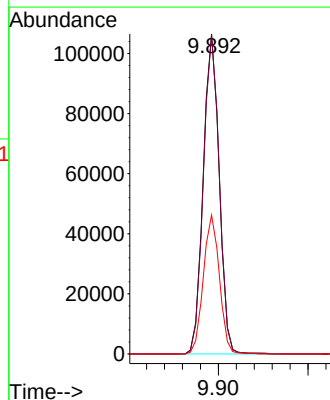
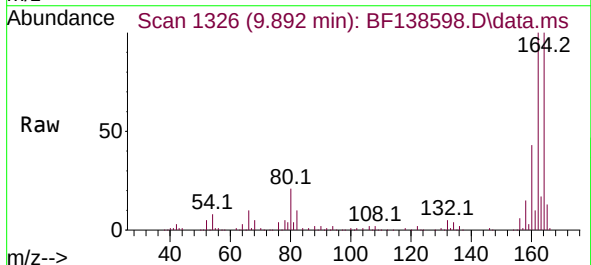
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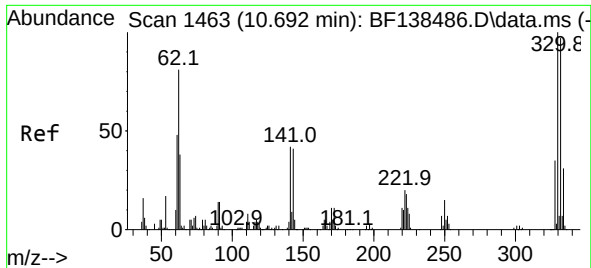
Tgt Ion: 82 Resp: 382922
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 12.8 19.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.011 min
Lab File: BF138598.D
Acq: 19 Jul 2024 19:33

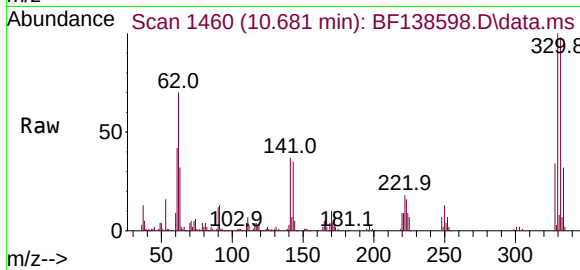
Tgt Ion: 164 Resp: 131162
Ion Ratio Lower Upper
164 100
162 99.7 79.0 118.6
160 43.4 34.4 51.6



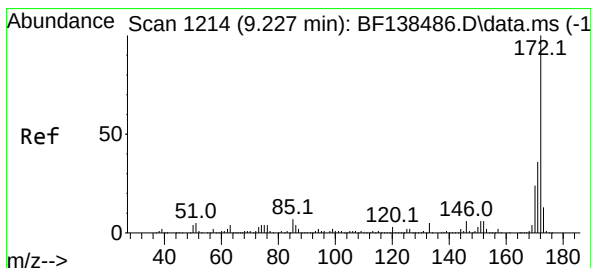
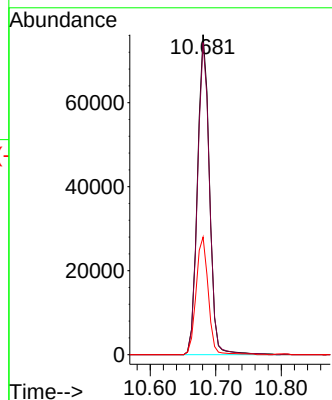
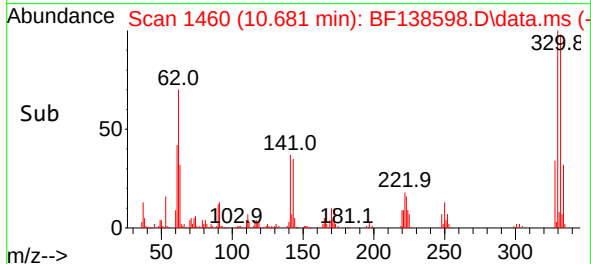


#42
2,4,6-Tribromophenol
Concen: 79.135 ng
RT: 10.681 min Scan# 1460
Delta R.T. -0.011 min
Lab File: BF138598.D
Acq: 19 Jul 2024 19:33

Instrument :
BNA_F
ClientSampleId :
HR-3-071724

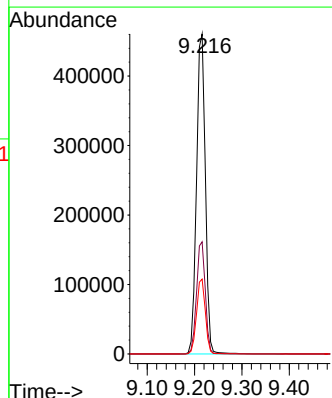
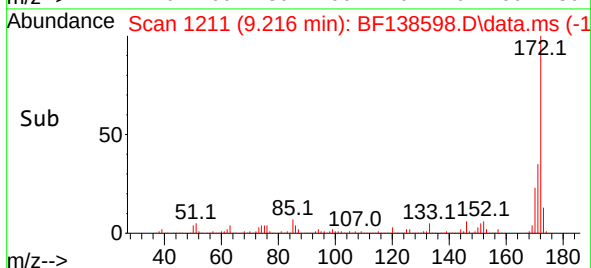
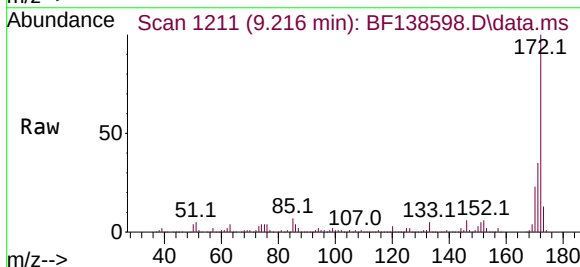


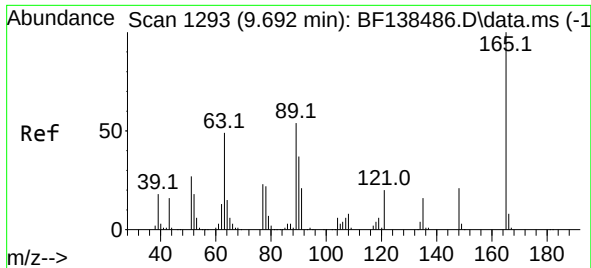
Tgt Ion:330 Resp: 97007
Ion Ratio Lower Upper
330 100
332 97.9 76.8 115.2
141 37.2 29.4 44.2



#45
2-Fluorobiphenyl
Concen: 71.162 ng
RT: 9.216 min Scan# 1211
Delta R.T. -0.011 min
Lab File: BF138598.D
Acq: 19 Jul 2024 19:33

Tgt Ion:172 Resp: 597204
Ion Ratio Lower Upper
172 100
171 35.1 28.9 43.3
170 23.4 18.9 28.3

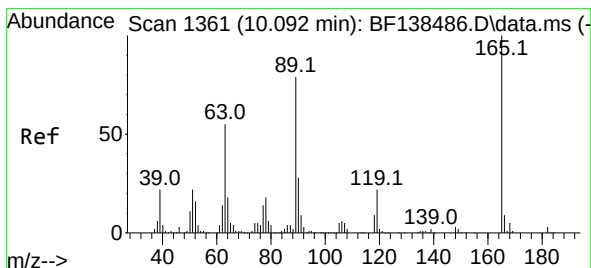
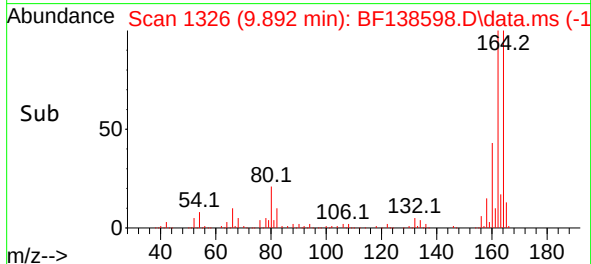
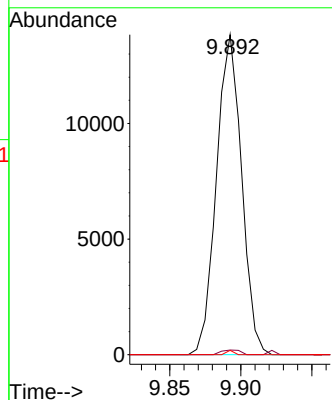
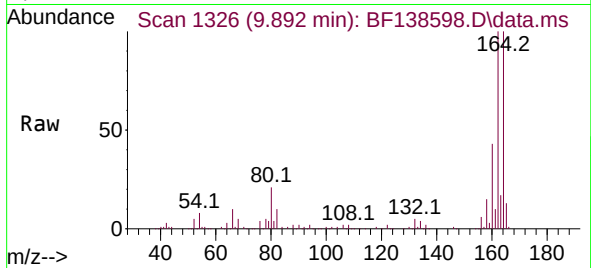




#51
2,6-Dinitrotoluene
Concen: 8.721 ng
RT: 9.892 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF138598.D
Acq: 19 Jul 2024 19:33

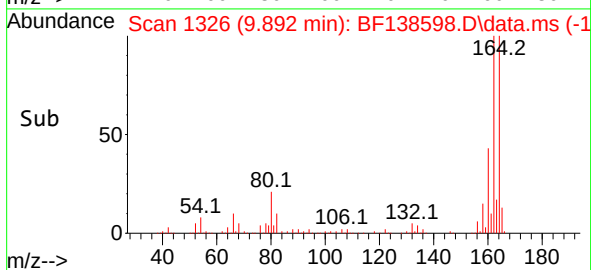
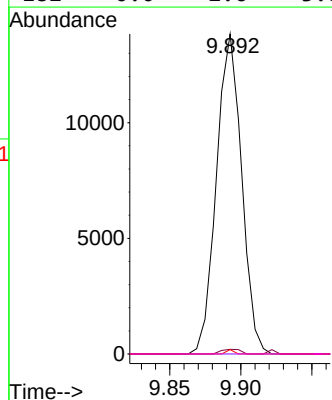
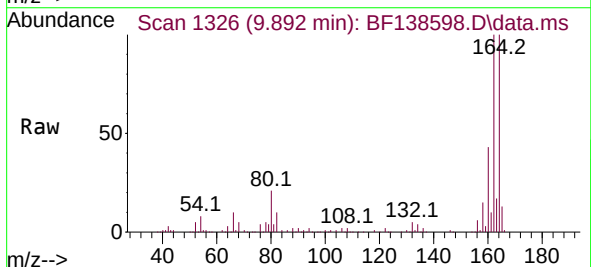
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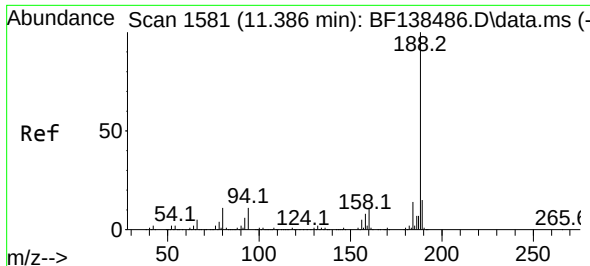
Tgt Ion:165 Resp: 17030
Ion Ratio Lower Upper
165 100
63 1.5 48.1 72.1#
89 1.3 43.0 64.6#



#57
2,4-Dinitrotoluene
Concen: 6.740 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.200 min
Lab File: BF138598.D
Acq: 19 Jul 2024 19:33

Tgt Ion:165 Resp: 17030
Ion Ratio Lower Upper
165 100
63 1.5 44.6 66.8#
89 1.3 63.4 95.2#
182 0.0 2.6 3.8#

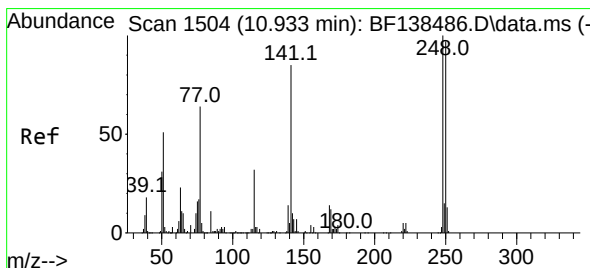
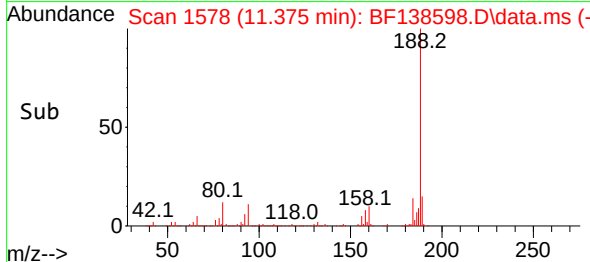
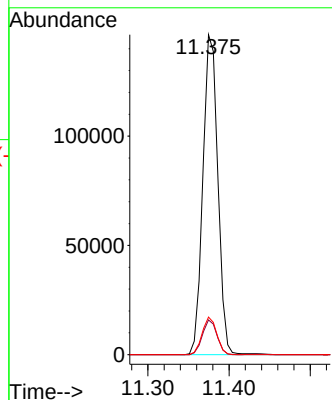
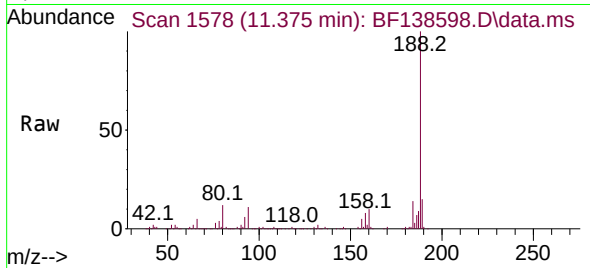




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF138598.D
Acq: 19 Jul 2024 19:33

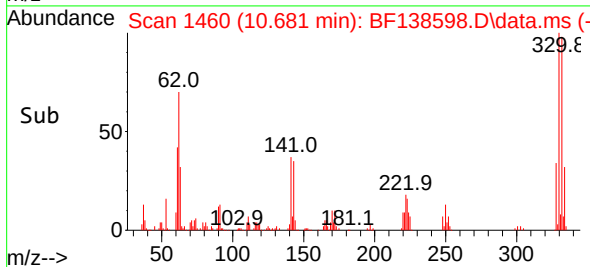
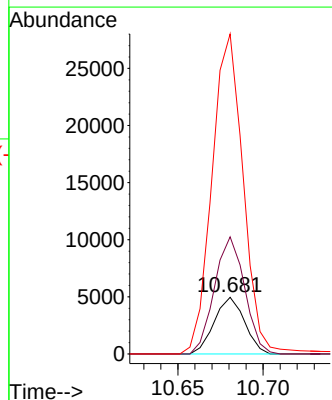
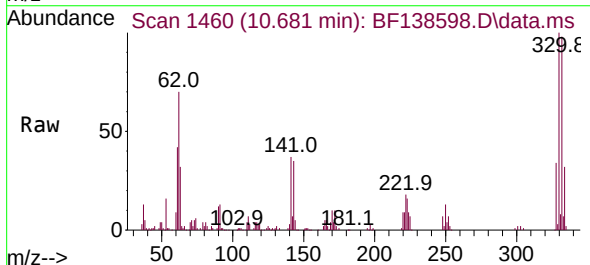
Instrument :
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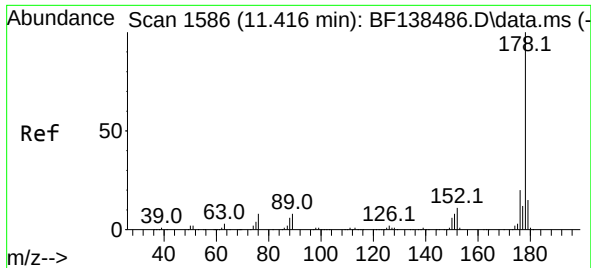
Tgt Ion:188 Resp: 187414
Ion Ratio Lower Upper
188 100
94 10.8 8.7 13.1
80 11.7 9.0 13.4



#67
4-Bromophenyl-phenylether
Concen: 3.188 ng
RT: 10.681 min Scan# 1460
Delta R.T. -0.253 min
Lab File: BF138598.D
Acq: 19 Jul 2024 19:33

Tgt Ion:248 Resp: 6140
Ion Ratio Lower Upper
248 100
250 206.7 77.9 116.9#
141 564.6 67.7 101.5#

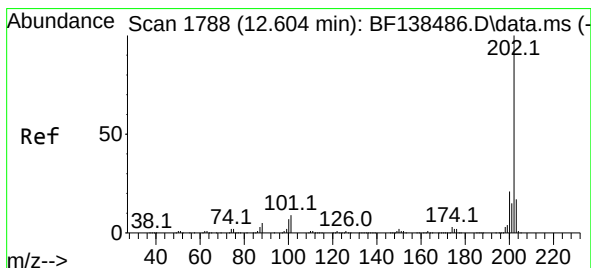
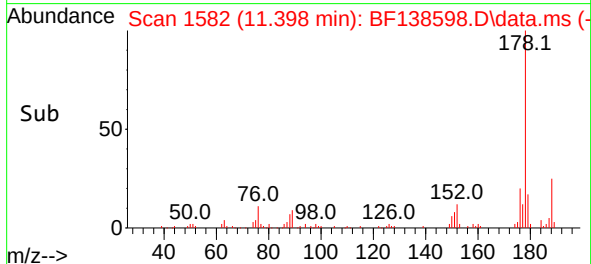
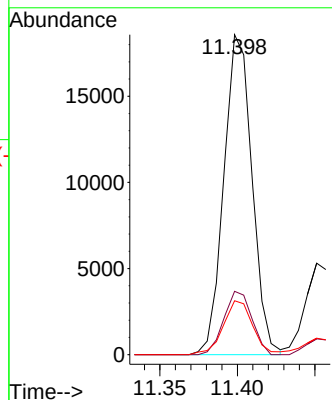
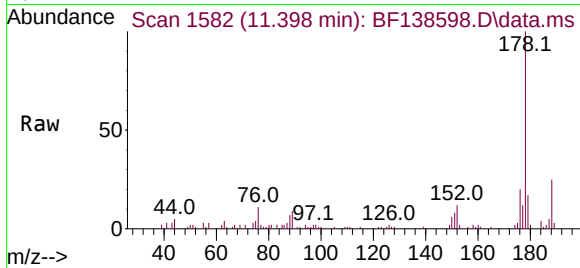




#71
Phenanthrene
Concen: 2.482 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF138598.D
Acq: 19 Jul 2024 19:33

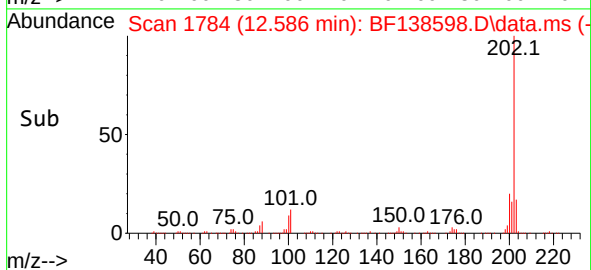
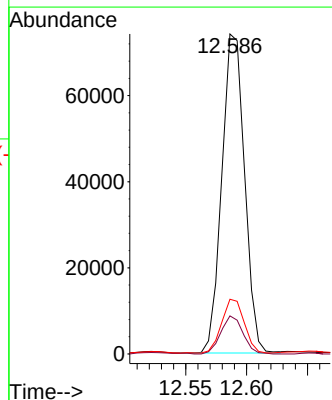
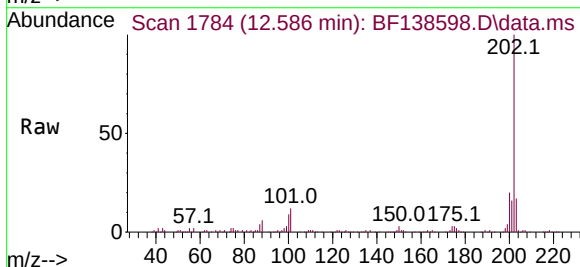
Instrument :
BNA_F
ClientSampleId :
HR-3-071724

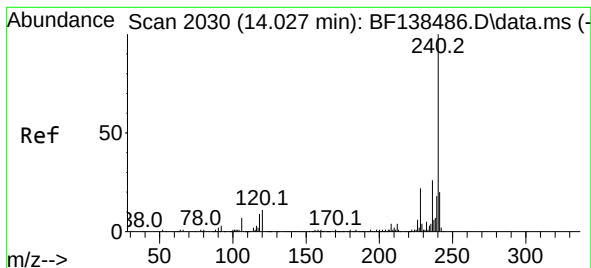
Tgt Ion:178 Resp: 23504
Ion Ratio Lower Upper
178 100
176 19.8 15.7 23.5
179 16.8 12.2 18.2



#75
Fluoranthene
Concen: 9.974 ng
RT: 12.586 min Scan# 1784
Delta R.T. -0.017 min
Lab File: BF138598.D
Acq: 19 Jul 2024 19:33

Tgt Ion:202 Resp: 96360
Ion Ratio Lower Upper
202 100
101 11.9 0.0 29.2
203 17.1 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.016 min Scan# 2030

Delta R.T. -0.011 min

Lab File: BF138598.D

Acq: 19 Jul 2024 19:33

Instrument :

BNA_F

ClientSampleId :

HR-3-071724

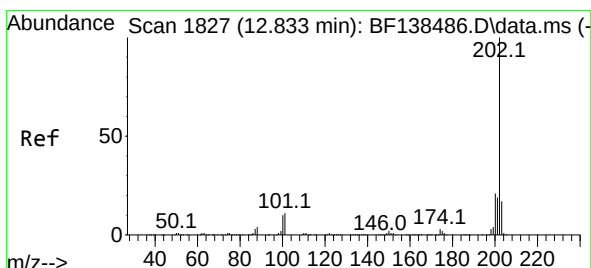
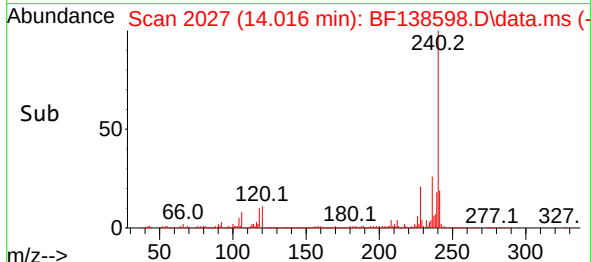
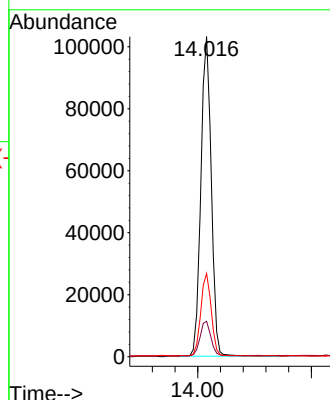
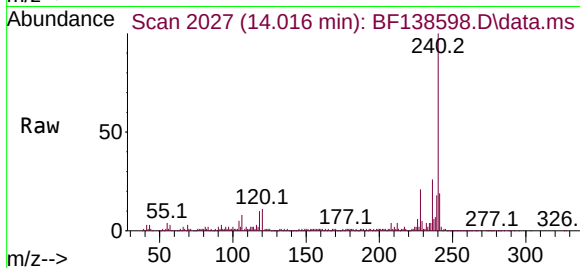
Tgt Ion:240 Resp: 130977

Ion Ratio Lower Upper

240 100

120 11.1 8.6 12.8

236 26.0 21.0 31.6



#78

Pyrene

Concen: 8.662 ng

RT: 12.816 min Scan# 1823

Delta R.T. -0.017 min

Lab File: BF138598.D

Acq: 19 Jul 2024 19:33

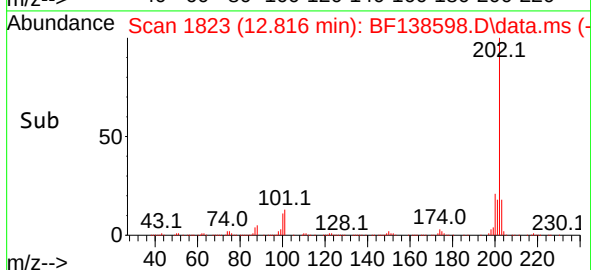
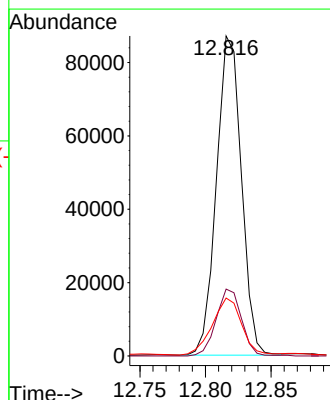
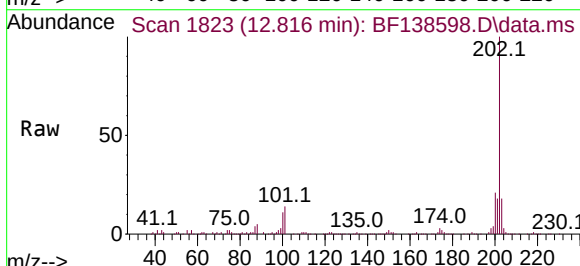
Tgt Ion:202 Resp: 115167

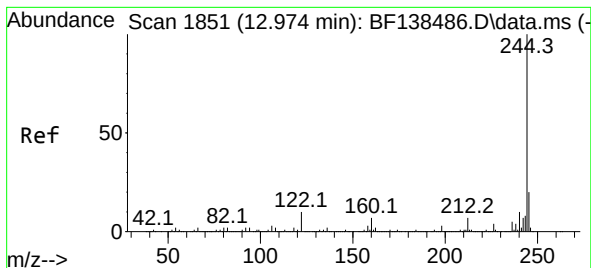
Ion Ratio Lower Upper

202 100

200 20.9 17.0 25.6

203 18.1 13.7 20.5





#79

Terphenyl-d14

Concen: 62.152 ng

RT: 12.963 min Scan# 11

Delta R.T. -0.011 min

Lab File: BF138598.D

Acq: 19 Jul 2024 19:33

Instrument :

BNA_F

ClientSampleId :

HR-3-071724

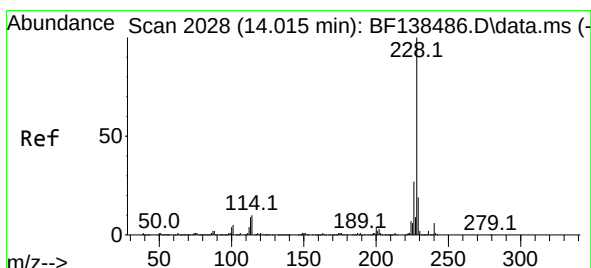
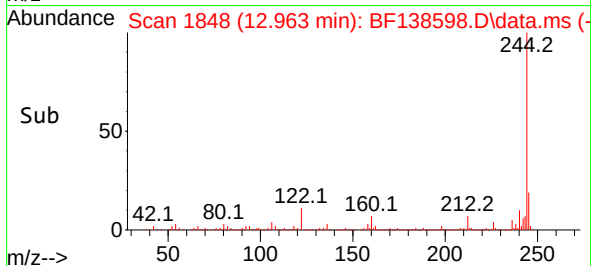
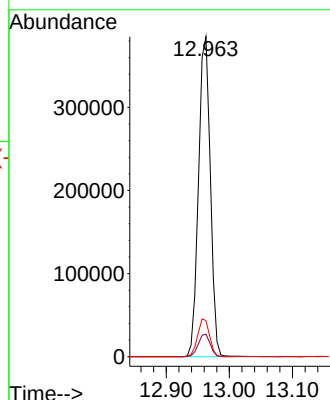
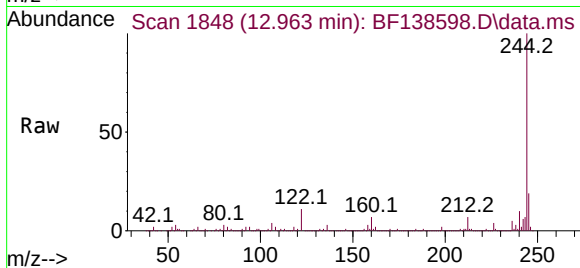
Tgt Ion:244 Resp: 499685

Ion Ratio Lower Upper

244 100

212 7.0 5.5 8.3

122 11.3 7.8 11.8



#81

Benzo(a)anthracene

Concen: 6.924 ng

RT: 14.004 min Scan# 2025

Delta R.T. -0.011 min

Lab File: BF138598.D

Acq: 19 Jul 2024 19:33

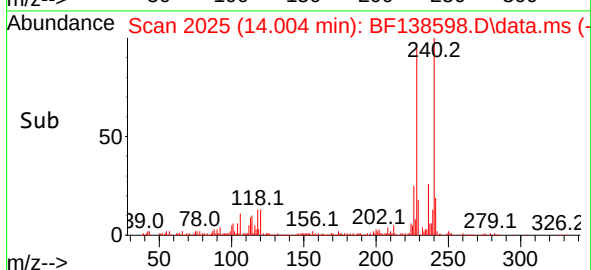
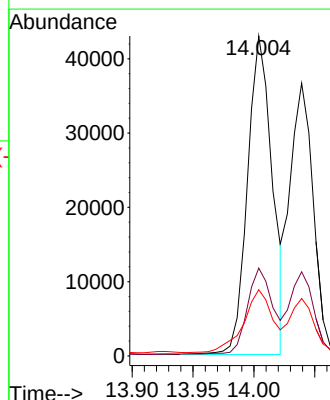
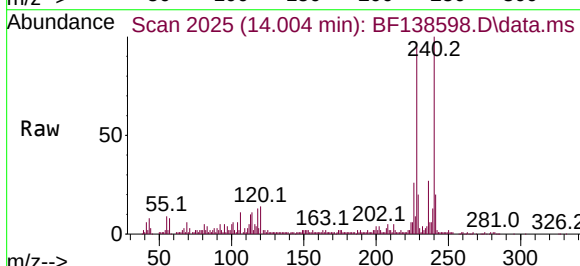
Tgt Ion:228 Resp: 60855

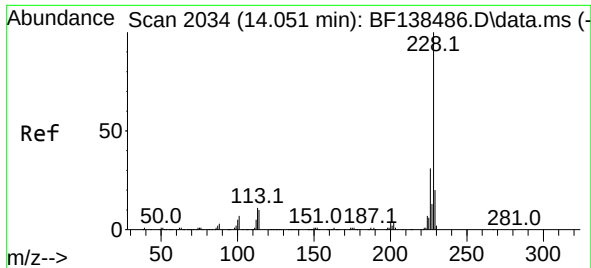
Ion Ratio Lower Upper

228 100

226 27.5 21.9 32.9

229 20.7 15.5 23.3





#83

Chrysene

Concen: 5.806 ng

RT: 14.039 min Scan# 2034

Delta R.T. -0.011 min

Lab File: BF138598.D

Acq: 19 Jul 2024 19:33

Instrument :

BNA_F

ClientSampleId :

HR-3-071724

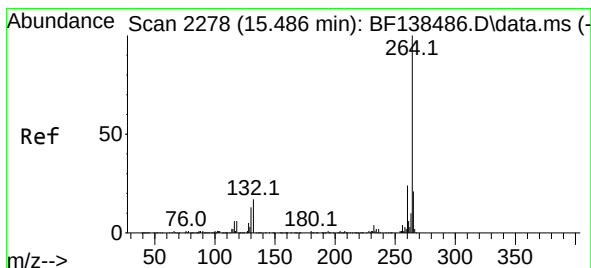
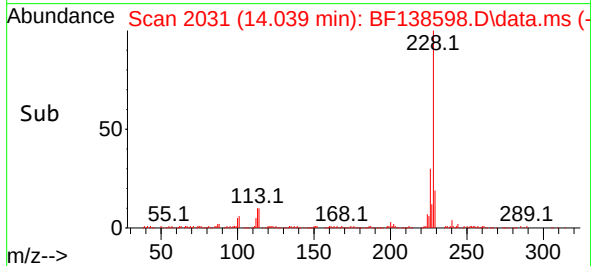
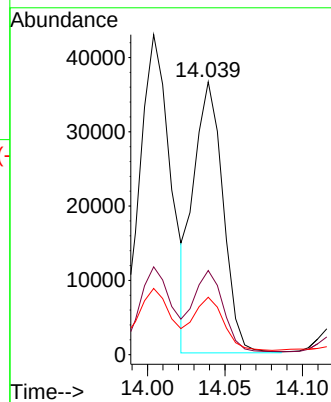
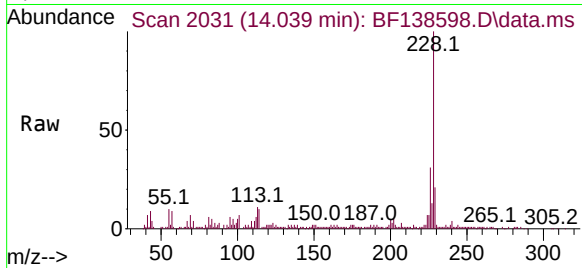
Tgt Ion:228 Resp: 48268

Ion Ratio Lower Upper

228 100

226 30.9 24.4 36.6

229 21.0 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.480 min Scan# 2276

Delta R.T. -0.006 min

Lab File: BF138598.D

Acq: 19 Jul 2024 19:33

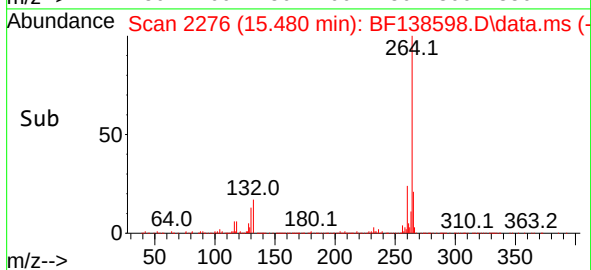
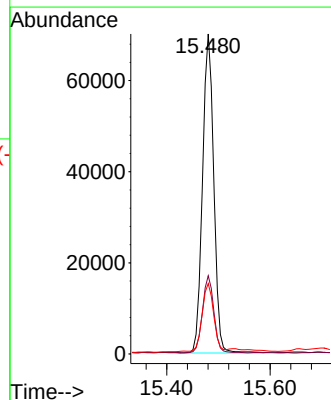
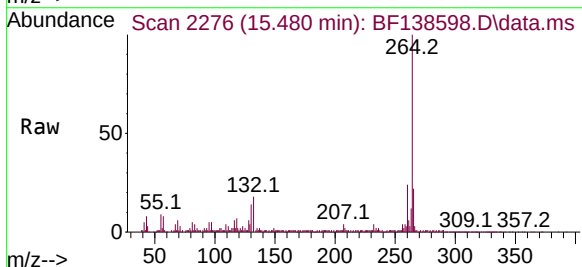
Tgt Ion:264 Resp: 105867

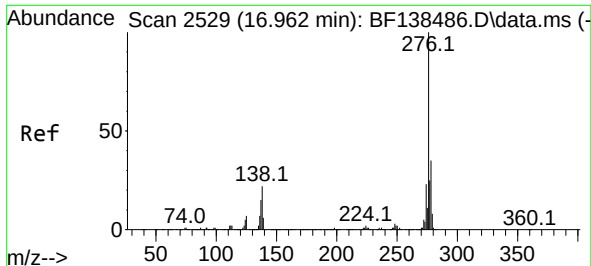
Ion Ratio Lower Upper

264 100

260 24.4 19.0 28.6

265 22.0 17.0 25.4

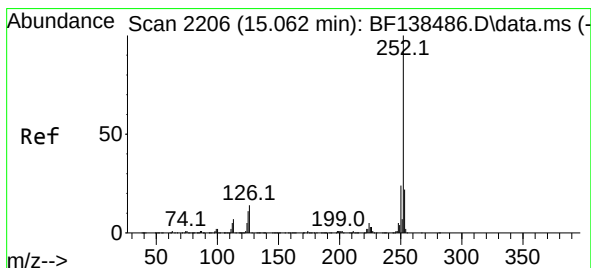
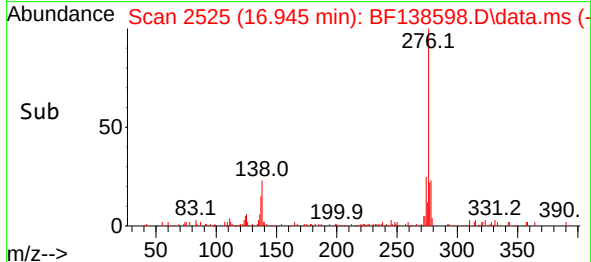
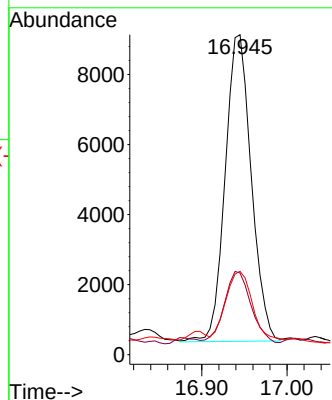
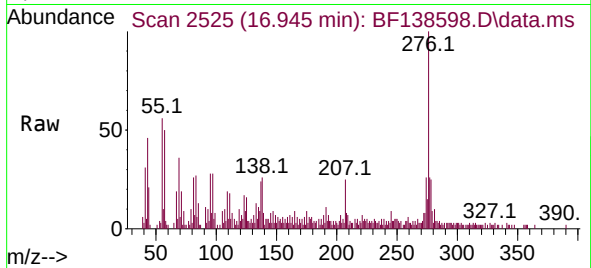




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.618 ng
RT: 16.945 min Scan# 21
Delta R.T. -0.017 min
Lab File: BF138598.D
Acq: 19 Jul 2024 19:33

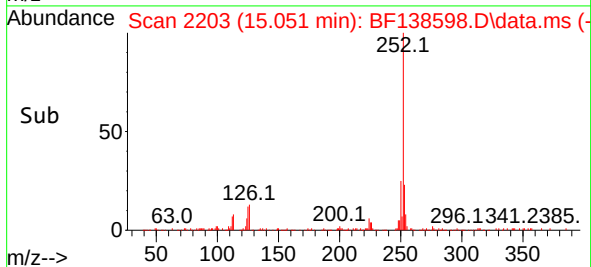
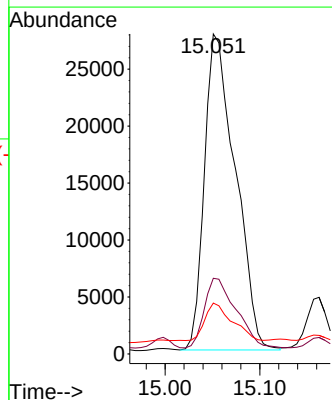
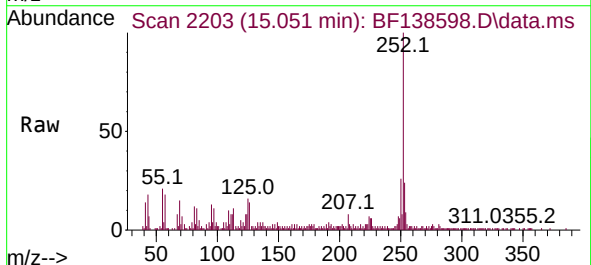
Instrument :
BNA_F
ClientSampleId :
HR-3-071724

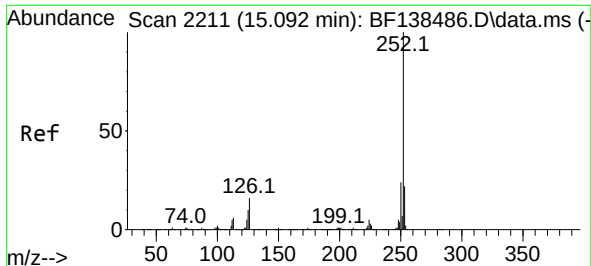
Tgt Ion:276 Resp: 18619
Ion Ratio Lower Upper
276 100
138 24.3 19.6 29.4
277 22.5 20.5 30.7



#88
Benzo(b)fluoranthene
Concen: 10.568 ng
RT: 15.051 min Scan# 2203
Delta R.T. -0.011 min
Lab File: BF138598.D
Acq: 19 Jul 2024 19:33

Tgt Ion:252 Resp: 63009
Ion Ratio Lower Upper
252 100
253 23.6 17.3 25.9
125 15.9 8.6 13.0#

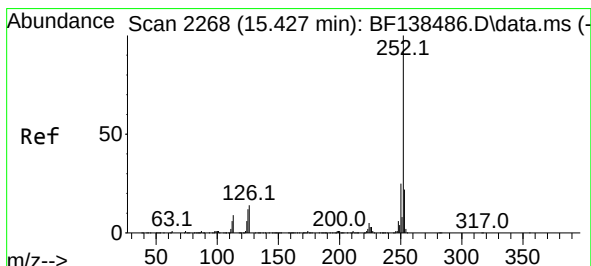
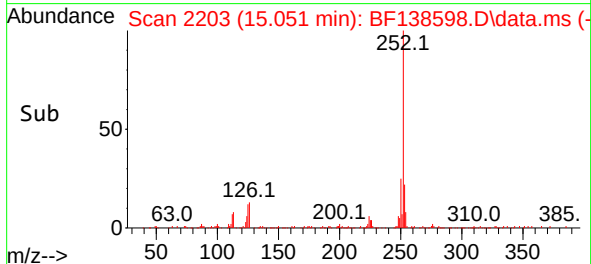
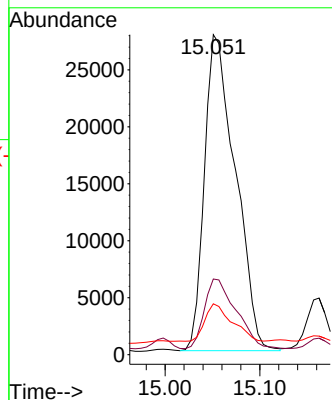
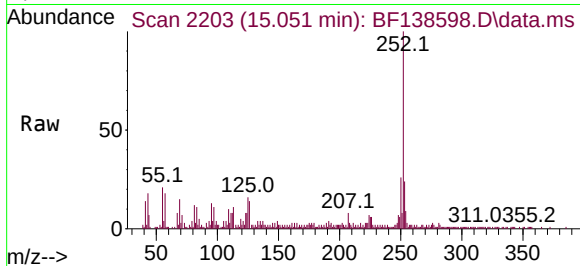




#89
Benzo(k)fluoranthene
Concen: 10.836 ng
RT: 15.051 min Scan# 21
Delta R.T. -0.041 min
Lab File: BF138598.D
Acq: 19 Jul 2024 19:33

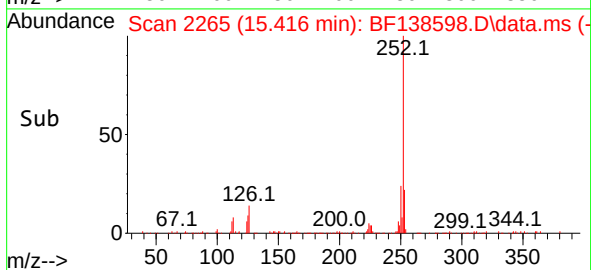
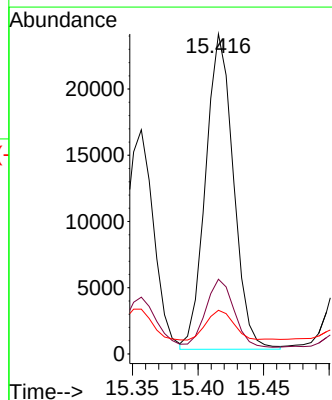
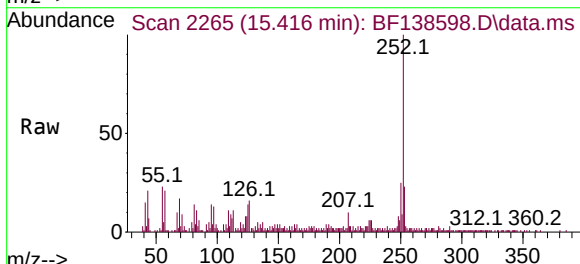
Instrument :
BNA_F
ClientSampleId :
HR-3-071724

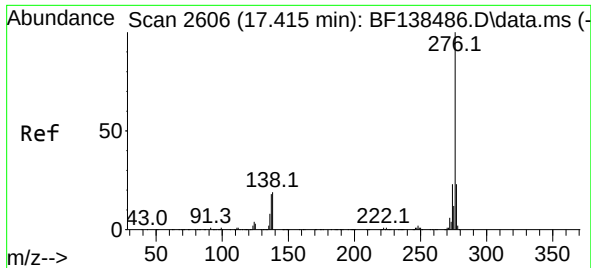
Tgt Ion:252 Resp: 63009
Ion Ratio Lower Upper
252 100
253 23.6 17.7 26.5
125 15.9 8.1 12.1#



#90
Benzo(a)pyrene
Concen: 6.714 ng
RT: 15.416 min Scan# 2265
Delta R.T. -0.011 min
Lab File: BF138598.D
Acq: 19 Jul 2024 19:33

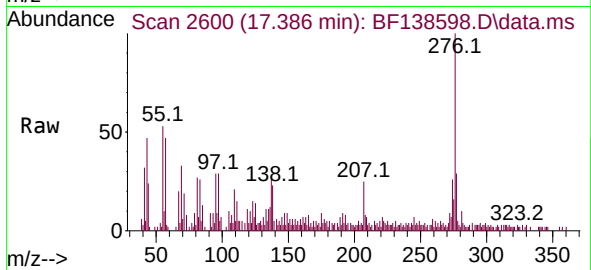
Tgt Ion:252 Resp: 35167
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.0
125 13.6 9.4 14.2





#92
 Benzo(g,h,i)perylene
 Concen: 3.289 ng
 RT: 17.386 min Scan# 20
 Delta R.T. -0.029 min
 Lab File: BF138598.D
 Acq: 19 Jul 2024 19:33

Instrument :
 BNA_F
 ClientSampleId :
 HR-3-071724



Tgt Ion:	276	Resp:	20286
Ion	Ratio	Lower	Upper
276	100		
277	28.9	18.0	27.0#
138	23.4	15.5	23.3#

