

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071924\
 Data File : BF138599.D
 Acq On : 19 Jul 2024 20:03
 Operator : RC/JU
 Sample : P3294-05 10X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-4-071724

Quant Time: Jul 19 23:19:40 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)

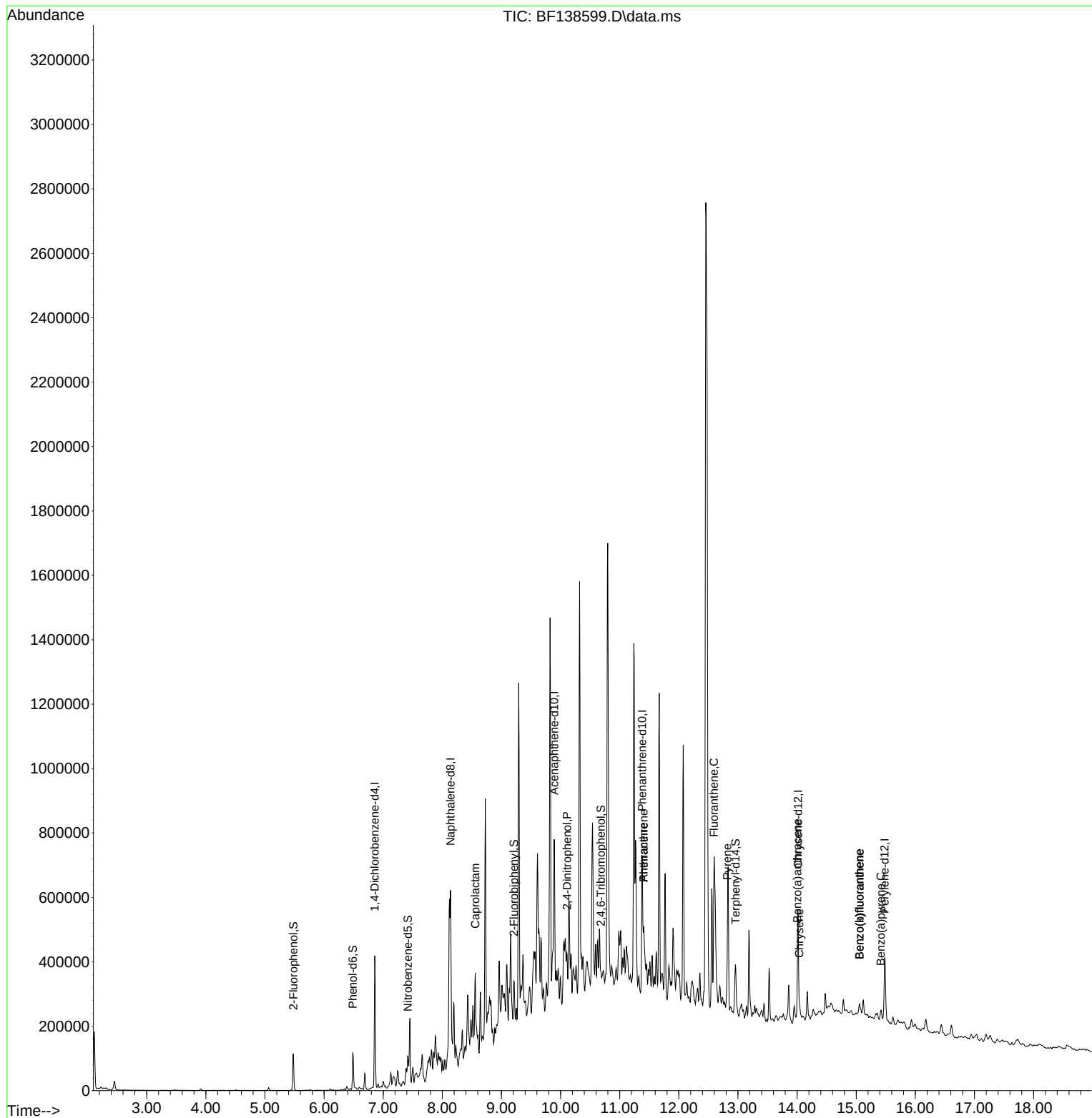
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	76016	20.000	ng	-0.01
21) Naphthalene-d8	8.139	136	282553	20.000	ng	-0.01
39) Acenaphthene-d10	9.892	164	126001	20.000	ng	-0.01
64) Phenanthrene-d10	11.380	188	187550	20.000	ng	0.00
76) Chrysene-d12	14.015	240	132401	20.000	ng	-0.01
86) Perylene-d12	15.480	264	110043	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	40923	8.526	ng	-0.01
7) Phenol-d6	6.487	99	52630	8.243	ng	-0.02
23) Nitrobenzene-d5	7.416	82	33952	5.900	ng	-0.02
42) 2,4,6-Tribromophenol	10.680	330	7951	6.752	ng	-0.01
45) 2-Fluorobiphenyl	9.210	172	54133	6.715	ng	-0.02
79) Terphenyl-d14	12.963	244	49469	6.087	ng	-0.01
Target Compounds						Qvalue
35) Caprolactam	8.557	113	5453	4.224	ng	# 1
54) 2,4-Dinitrophenol	10.110	184	214	4.868	ng	# 1
71) Phenanthrene	11.404	178	77416	8.170	ng	98
72) Anthracene	11.404	178	77416	8.231	ng	97
75) Fluoranthene	12.592	202	76022	7.863	ng	96
78) Pyrene	12.821	202	64301	4.784	ng	97
81) Benzo(a)anthracene	14.004	228	28191	3.173	ng	# 91
83) Chrysene	14.039	228	23597	2.808	ng	# 92
88) Benzo(b)fluoranthene	15.057	252	26990	4.355	ng	# 79
89) Benzo(k)fluoranthene	15.057	252	26990	4.465	ng	# 80
90) Benzo(a)pyrene	15.415	252	14940	2.744	ng	# 75

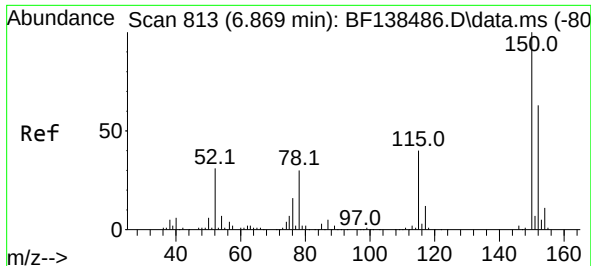
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071924\
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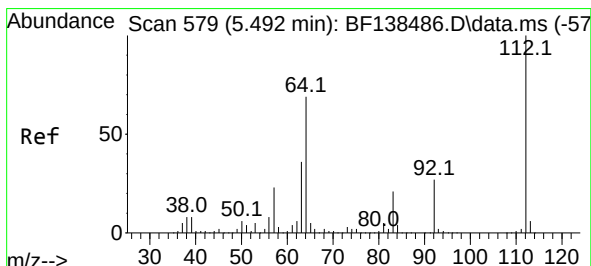
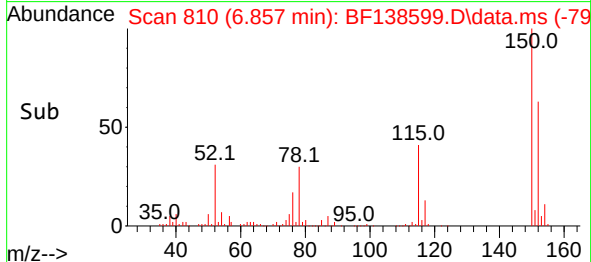
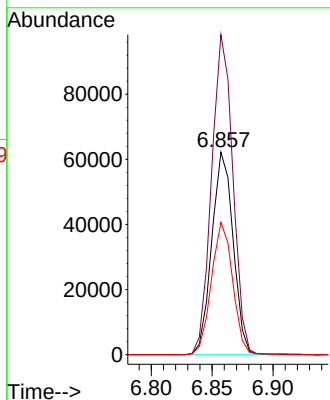
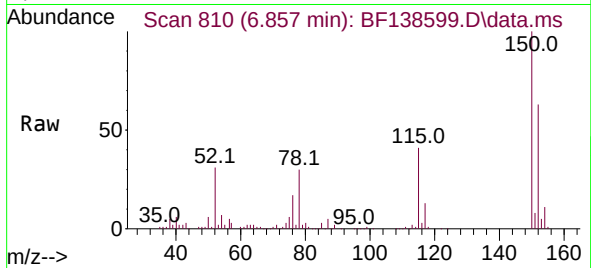




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 813
Delta R.T. -0.012 min
Lab File: BF138599.D
Acq: 19 Jul 2024 20:03

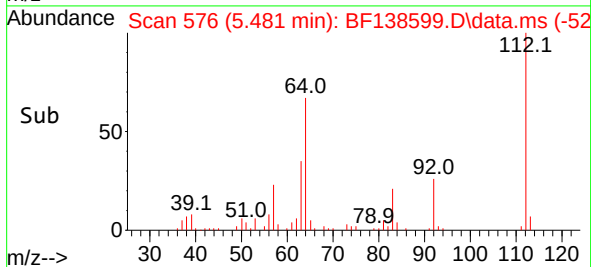
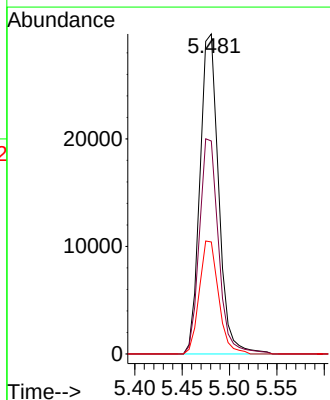
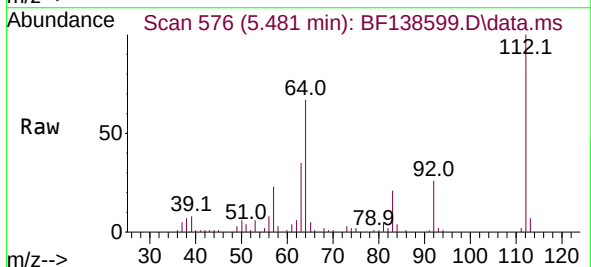
Instrument :
BNA_F
ClientSampleId :
HR-4-071724

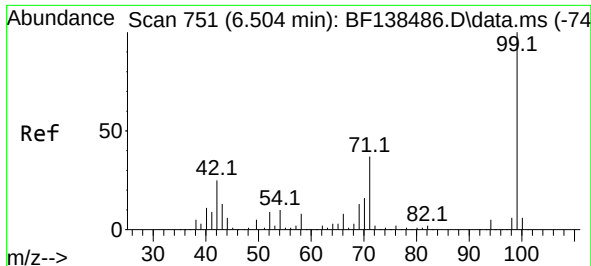
Tgt Ion:152 Resp: 76016
Ion Ratio Lower Upper
152 100
150 158.1 126.2 189.4
115 65.4 50.3 75.5



#5
2-Fluorophenol
Concen: 8.526 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF138599.D
Acq: 19 Jul 2024 20:03

Tgt Ion:112 Resp: 40923
Ion Ratio Lower Upper
112 100
64 66.5 55.1 82.7
63 35.0 29.0 43.6

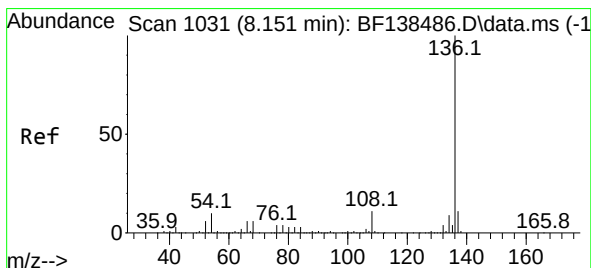
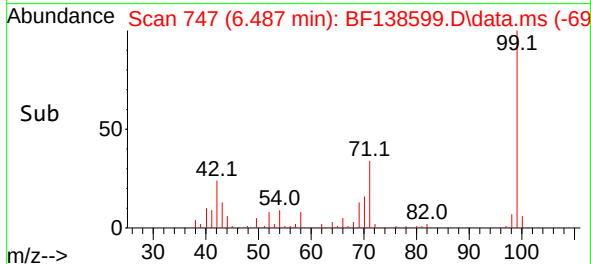
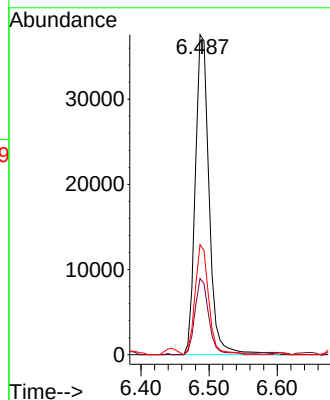
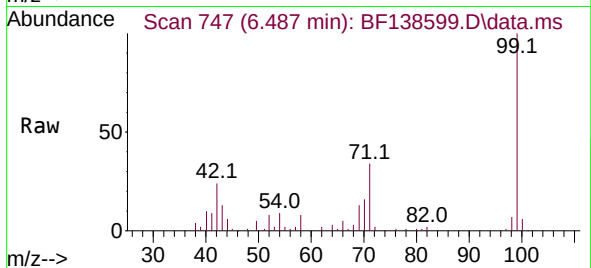




#7
Phenol-d6
Concen: 8.243 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF138599.D
Acq: 19 Jul 2024 20:03

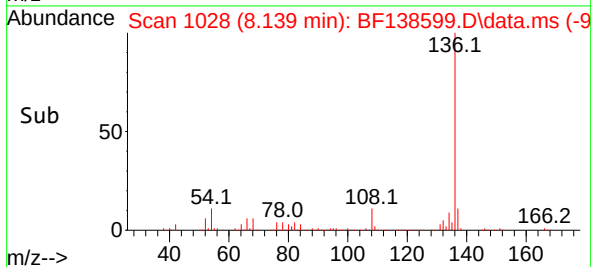
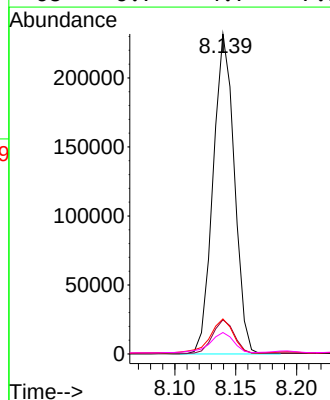
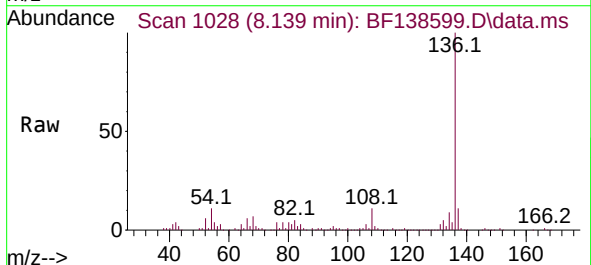
Instrument :
BNA_F
ClientSampleId :
HR-4-071724

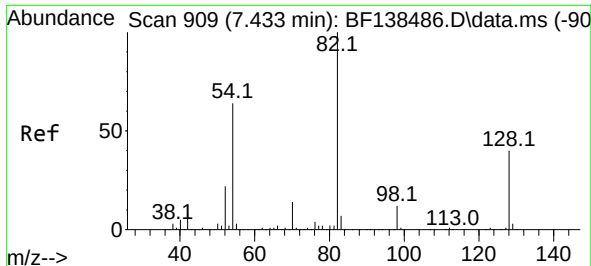
Tgt Ion: 99 Resp: 52630
Ion Ratio Lower Upper
99 100
42 23.8 19.7 29.5
71 34.4 29.9 44.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1028
Delta R.T. -0.012 min
Lab File: BF138599.D
Acq: 19 Jul 2024 20:03

Tgt Ion: 136 Resp: 282553
Ion Ratio Lower Upper
136 100
137 10.7 8.5 12.7
54 10.9 8.1 12.1
68 6.7 4.7 7.1





#23

Nitrobenzene-d5

Concen: 5.900 ng

RT: 7.416 min Scan# 909

Delta R.T. -0.018 min

Lab File: BF138599.D

Acq: 19 Jul 2024 20:03

Instrument :

BNA_F

ClientSampleId :

HR-4-071724

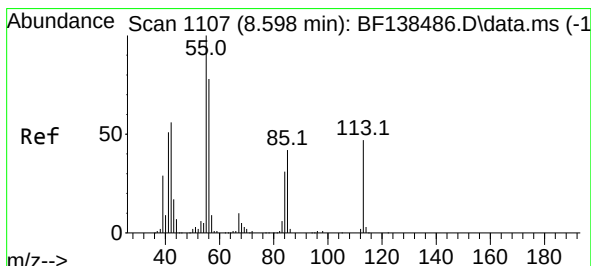
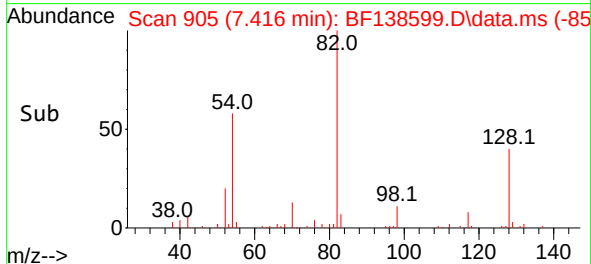
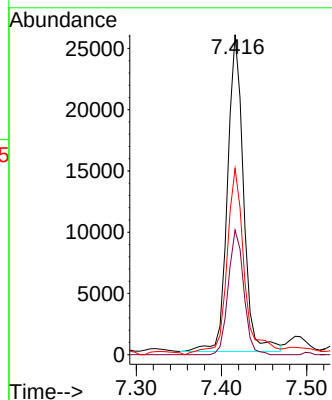
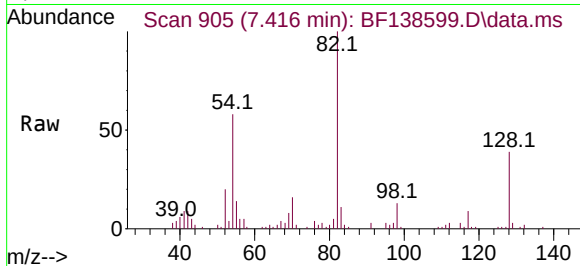
Tgt Ion: 82 Resp: 33952

Ion Ratio Lower Upper

82 100

128 38.9 32.3 48.5

54 58.2 51.4 77.0



#35

Caprolactam

Concen: 4.224 ng

RT: 8.557 min Scan# 1099

Delta R.T. -0.041 min

Lab File: BF138599.D

Acq: 19 Jul 2024 20:03

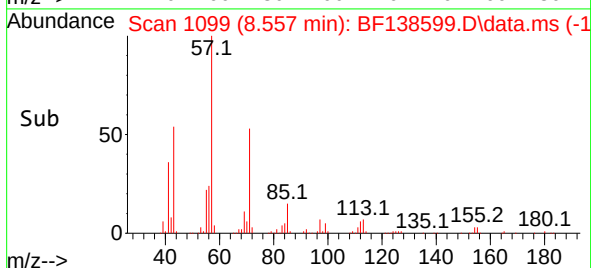
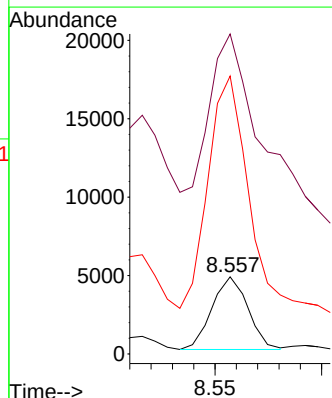
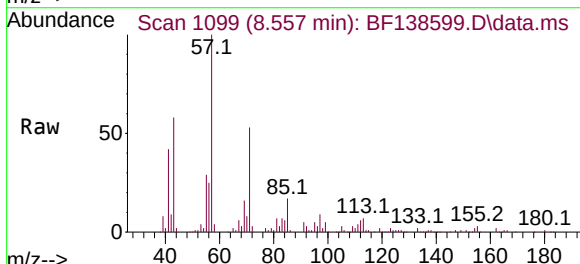
Tgt Ion: 113 Resp: 5453

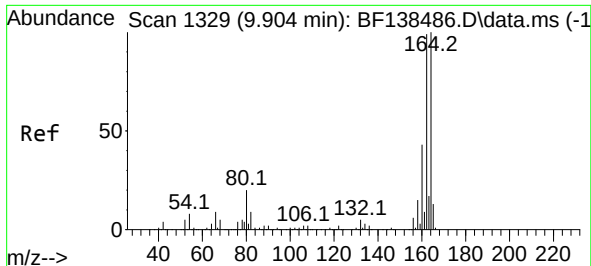
Ion Ratio Lower Upper

113 100

55 415.0 192.5 232.5#

56 360.5 145.3 185.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.892 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138599.D

Acq: 19 Jul 2024 20:03

Instrument :

BNA_F

ClientSampleId :

HR-4-071724

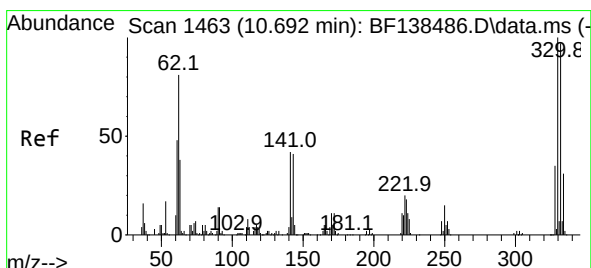
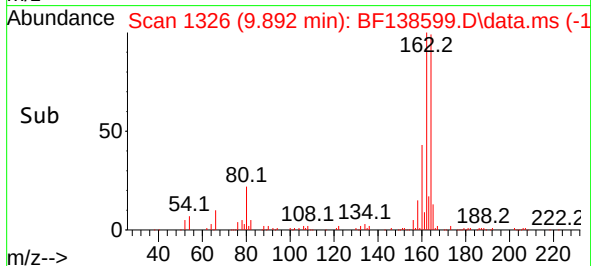
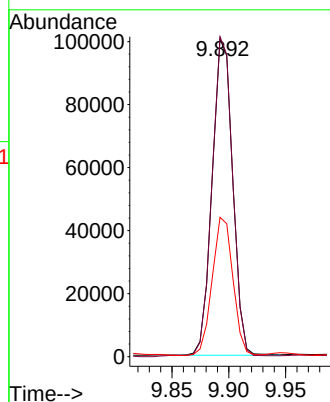
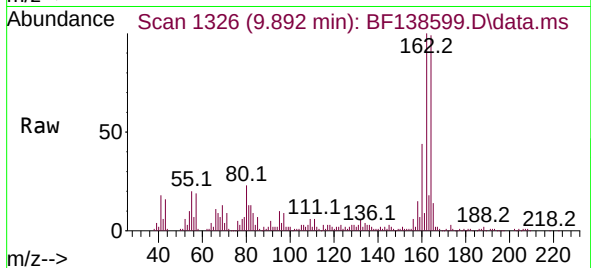
Tgt Ion:164 Resp: 126001

Ion Ratio Lower Upper

164 100

162 100.7 79.0 118.6

160 43.8 34.4 51.6



#42

2,4,6-Tribromophenol

Concen: 6.752 ng

RT: 10.680 min Scan# 1460

Delta R.T. -0.012 min

Lab File: BF138599.D

Acq: 19 Jul 2024 20:03

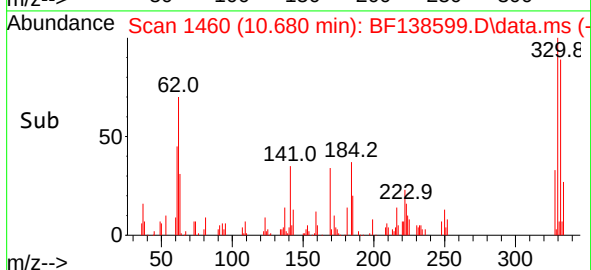
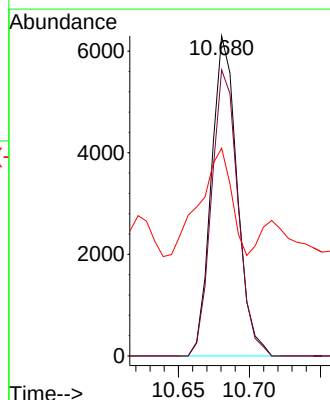
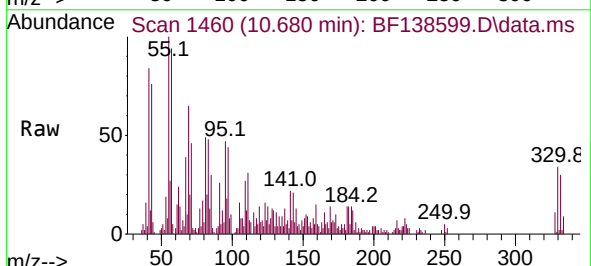
Tgt Ion:330 Resp: 7951

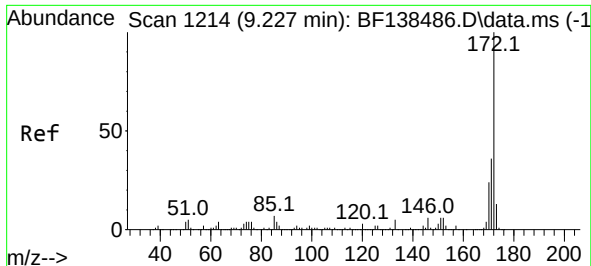
Ion Ratio Lower Upper

330 100

332 91.6 76.8 115.2

141 41.1 29.4 44.2





#45

2-Fluorobiphenyl

Concen: 6.715 ng

RT: 9.210 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF138599.D

Acq: 19 Jul 2024 20:03

Instrument :

BNA_F

ClientSampleId :

HR-4-071724

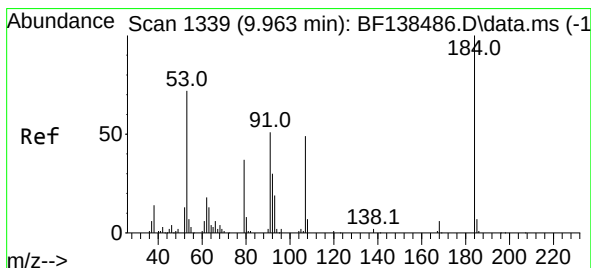
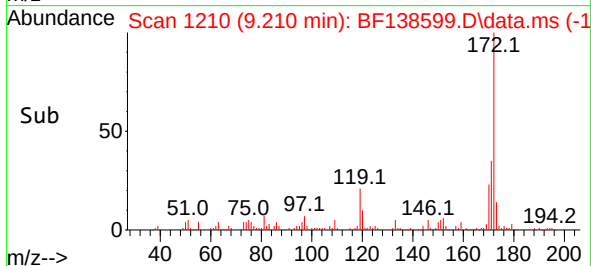
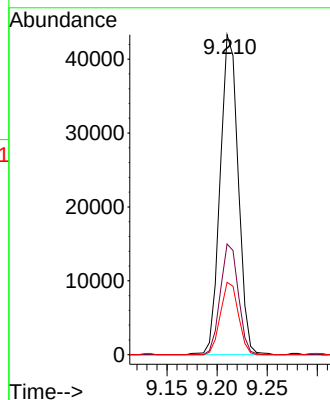
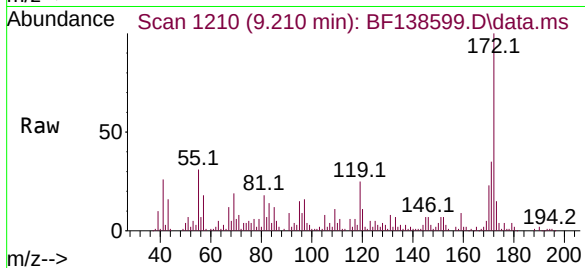
Tgt Ion:172 Resp: 54133

Ion Ratio Lower Upper

172 100

171 34.6 28.9 43.3

170 22.6 18.9 28.3



#54

2,4-Dinitrophenol

Concen: 4.868 ng

RT: 10.110 min Scan# 1363

Delta R.T. 0.147 min

Lab File: BF138599.D

Acq: 19 Jul 2024 20:03

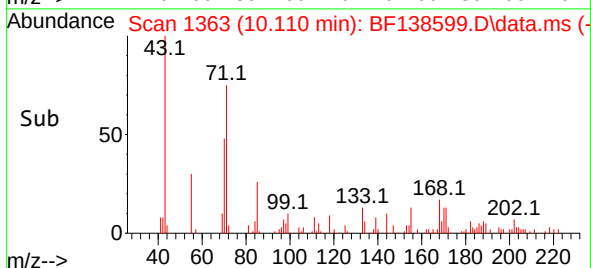
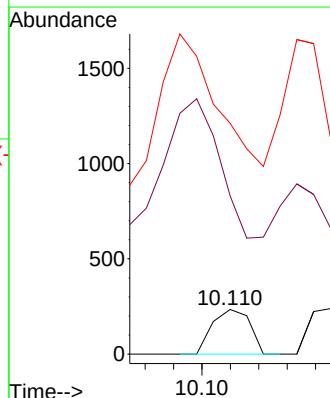
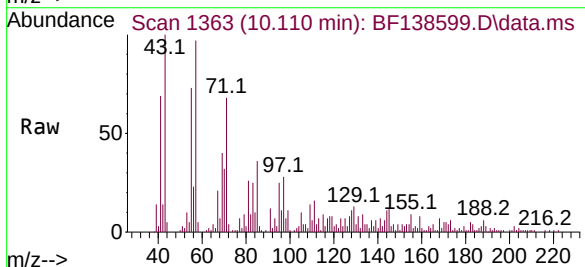
Tgt Ion:184 Resp: 214

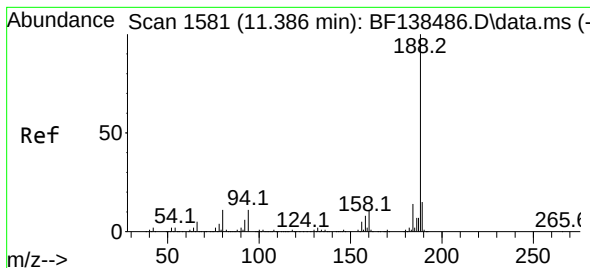
Ion Ratio Lower Upper

184 100

63 355.1 70.6 106.0#

154 517.9 53.8 80.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.380 min Scan# 1581

Delta R.T. -0.006 min

Lab File: BF138599.D

Acq: 19 Jul 2024 20:03

Instrument :

BNA_F

ClientSampleId :

HR-4-071724

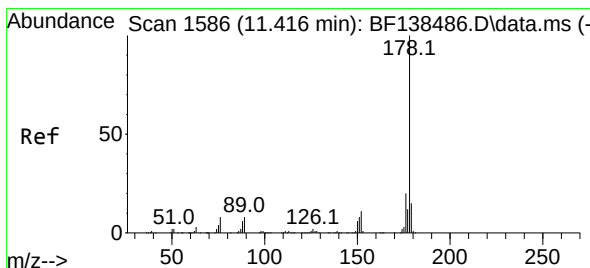
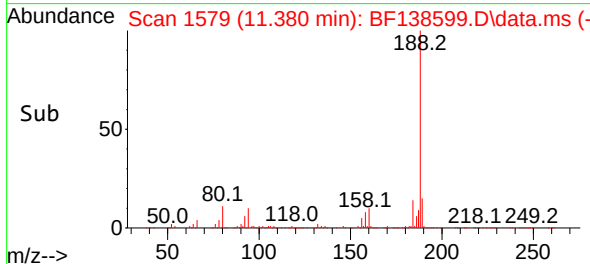
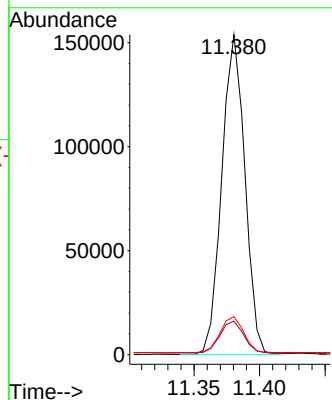
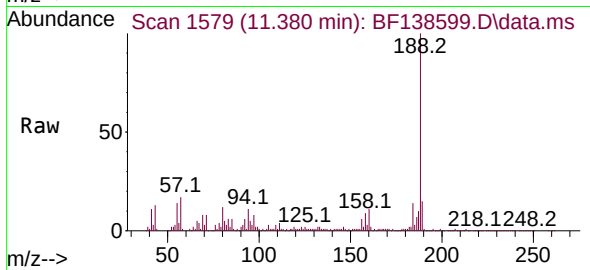
Tgt Ion:188 Resp: 187550

Ion Ratio Lower Upper

188 100

94 10.5 8.7 13.1

80 11.9 9.0 13.4



#71

Phenanthrene

Concen: 8.170 ng

RT: 11.404 min Scan# 1583

Delta R.T. -0.012 min

Lab File: BF138599.D

Acq: 19 Jul 2024 20:03

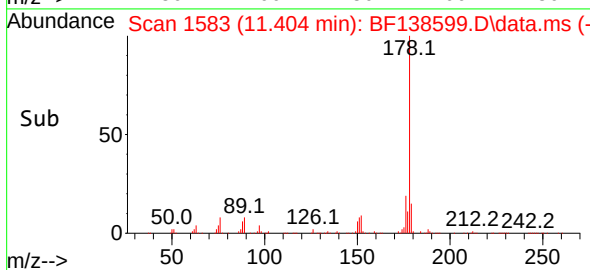
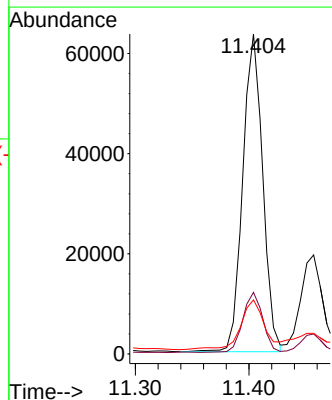
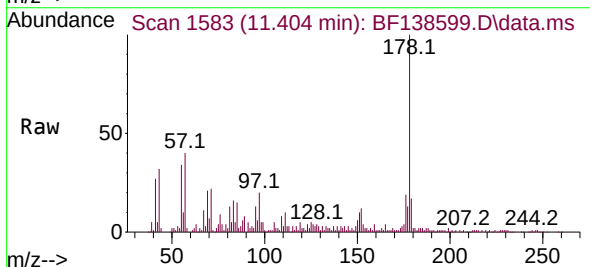
Tgt Ion:178 Resp: 77416

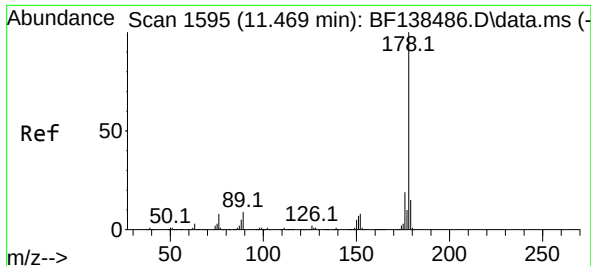
Ion Ratio Lower Upper

178 100

176 19.2 15.7 23.5

179 16.9 12.2 18.2

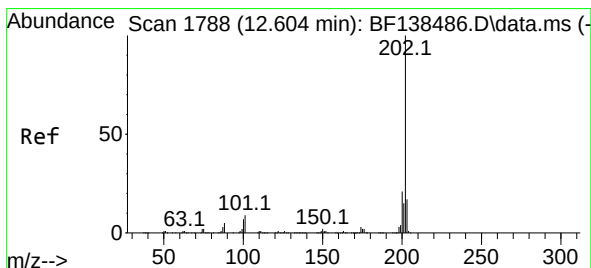
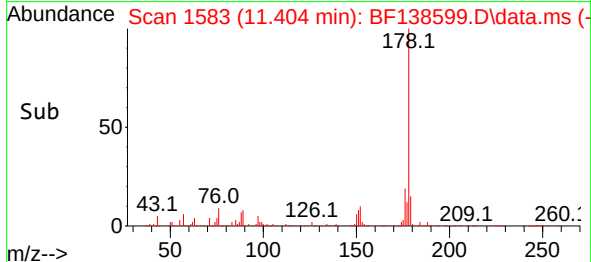
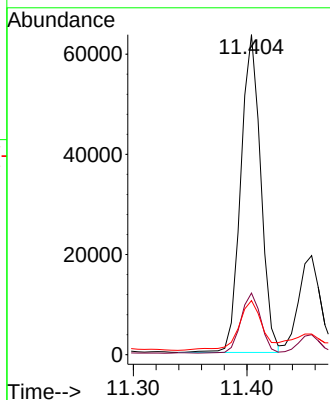
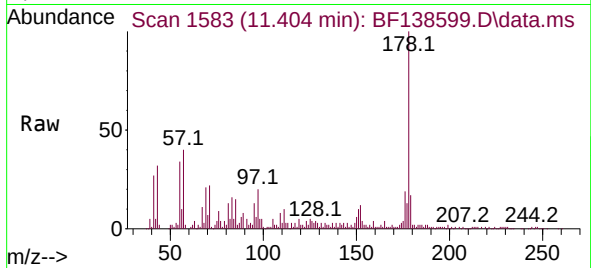




#72
 Anthracene
 Concen: 8.231 ng
 RT: 11.404 min Scan# 11
 Delta R.T. -0.065 min
 Lab File: BF138599.D
 Acq: 19 Jul 2024 20:03

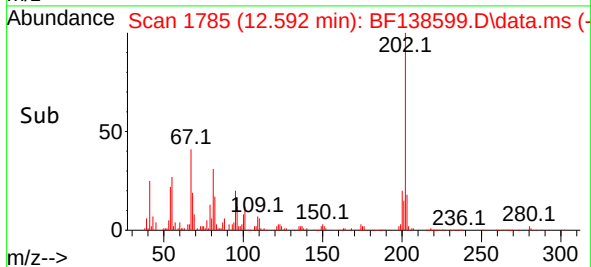
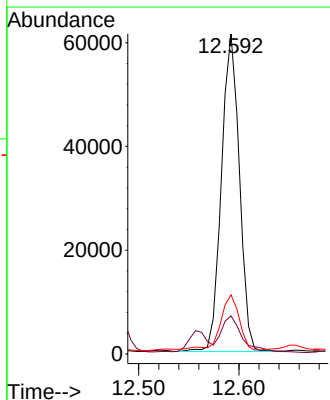
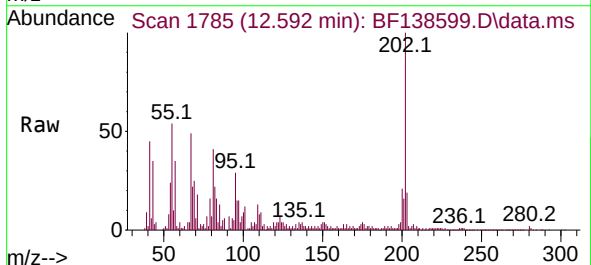
Instrument :
 BNA_F
 ClientSampleId :
 HR-4-071724

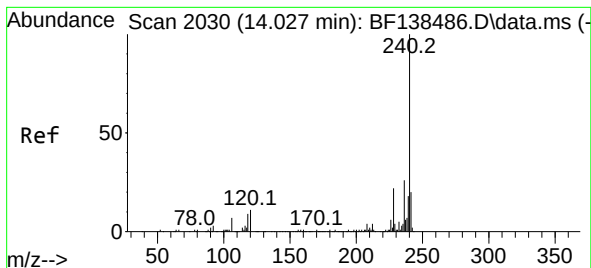
Tgt Ion:178 Resp: 77416
 Ion Ratio Lower Upper
 178 100
 176 19.2 14.8 22.2
 179 16.9 12.2 18.4



#75
 Fluoranthene
 Concen: 7.863 ng
 RT: 12.592 min Scan# 1785
 Delta R.T. -0.012 min
 Lab File: BF138599.D
 Acq: 19 Jul 2024 20:03

Tgt Ion:202 Resp: 76022
 Ion Ratio Lower Upper
 202 100
 101 11.9 0.0 29.2
 203 18.5 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.015 min Scan# 2030

Delta R.T. -0.012 min

Lab File: BF138599.D

Acq: 19 Jul 2024 20:03

Instrument :

BNA_F

ClientSampleId :

HR-4-071724

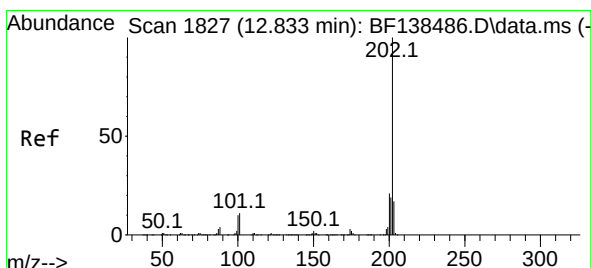
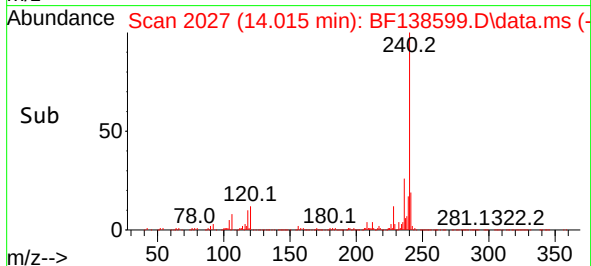
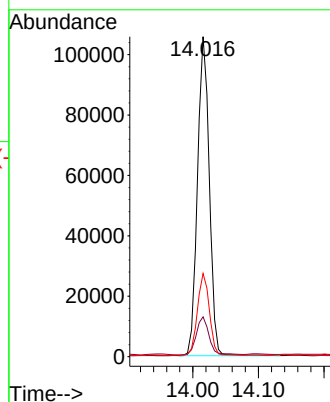
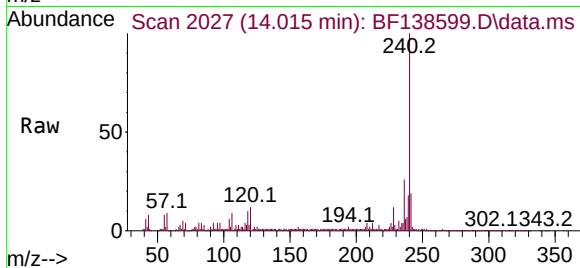
Tgt Ion:240 Resp: 132401

Ion Ratio Lower Upper

240 100

120 12.5 8.6 12.8

236 26.0 21.0 31.6



#78

Pyrene

Concen: 4.784 ng

RT: 12.821 min Scan# 1824

Delta R.T. -0.012 min

Lab File: BF138599.D

Acq: 19 Jul 2024 20:03

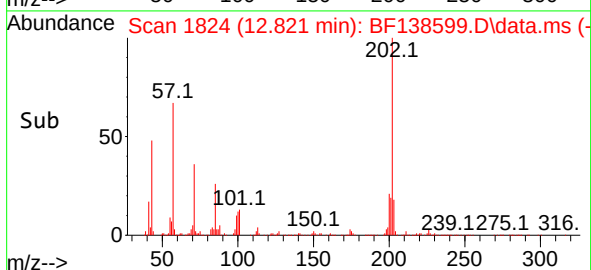
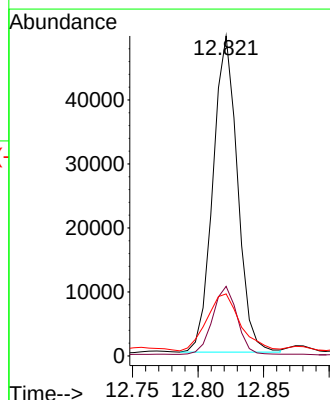
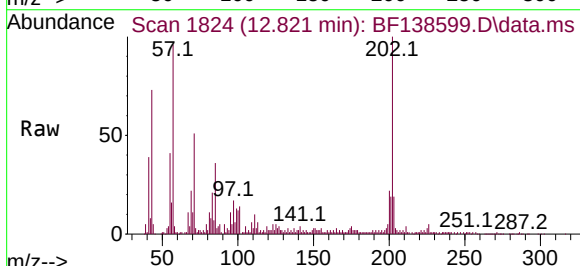
Tgt Ion:202 Resp: 64301

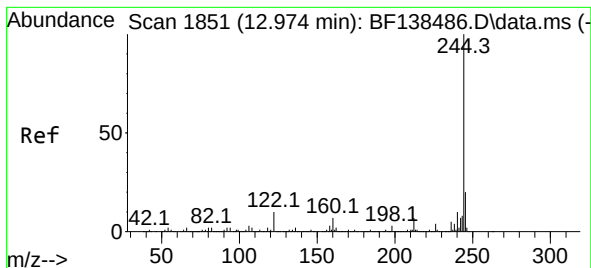
Ion Ratio Lower Upper

202 100

200 21.8 17.0 25.6

203 19.4 13.7 20.5





#79

Terphenyl-d14

Concen: 6.087 ng

RT: 12.963 min Scan# 1848

Delta R.T. -0.012 min

Lab File: BF138599.D

Acq: 19 Jul 2024 20:03

Instrument :

BNA_F

ClientSampleId :

HR-4-071724

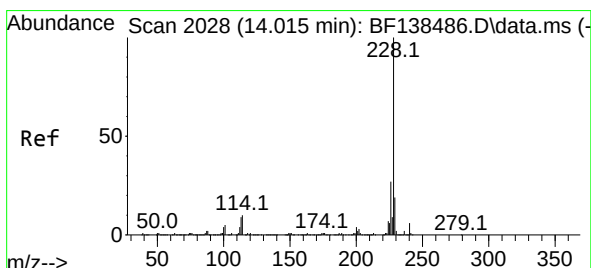
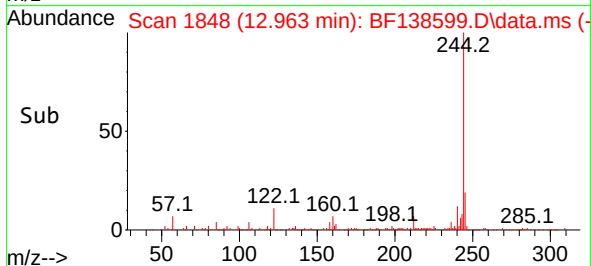
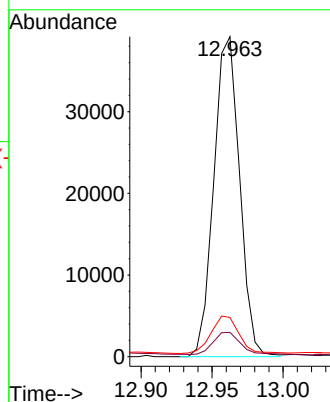
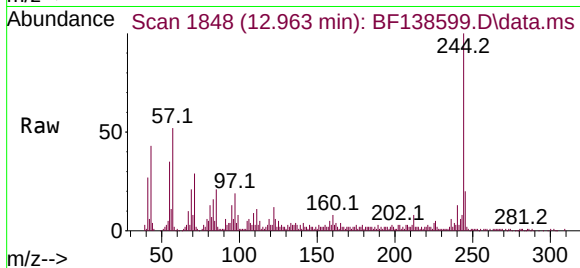
Tgt Ion:244 Resp: 49469

Ion Ratio Lower Upper

244 100

212 7.6 5.5 8.3

122 12.2 7.8 11.8#



#81

Benzo(a)anthracene

Concen: 3.173 ng

RT: 14.004 min Scan# 2025

Delta R.T. -0.012 min

Lab File: BF138599.D

Acq: 19 Jul 2024 20:03

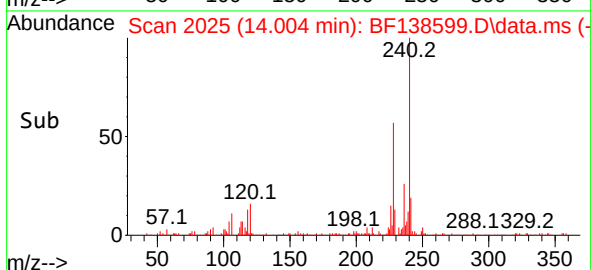
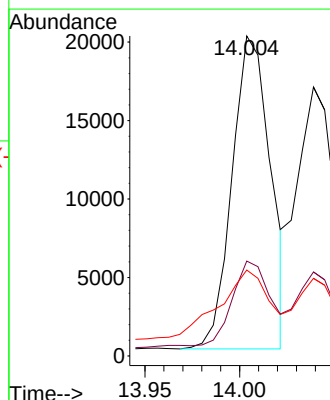
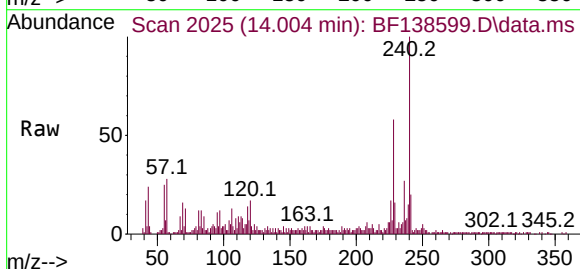
Tgt Ion:228 Resp: 28191

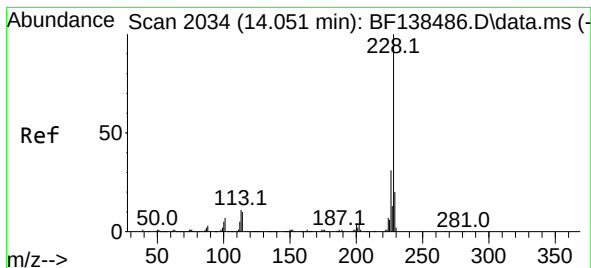
Ion Ratio Lower Upper

228 100

226 29.6 21.9 32.9

229 26.9 15.5 23.3#





#83

Chrysene

Concen: 2.808 ng

RT: 14.039 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF138599.D

Acq: 19 Jul 2024 20:03

Instrument :

BNA_F

ClientSampleId :

HR-4-071724

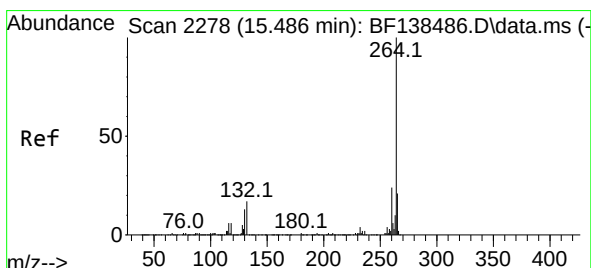
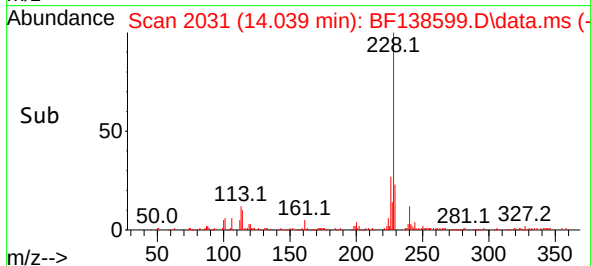
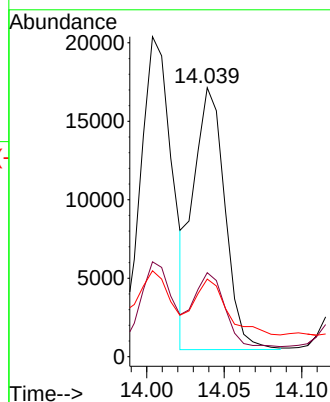
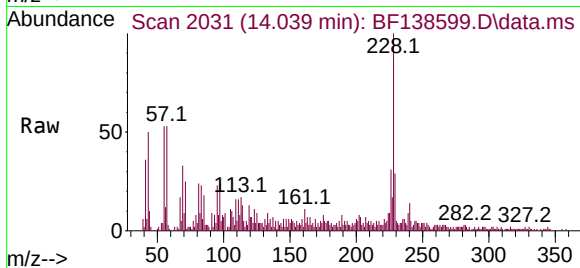
Tgt Ion:228 Resp: 23597

Ion Ratio Lower Upper

228 100

226 31.2 24.4 36.6

229 28.8 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: BF138599.D

Acq: 19 Jul 2024 20:03

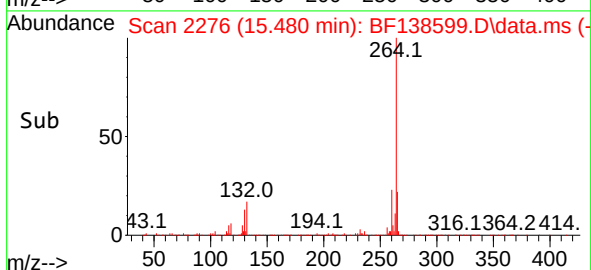
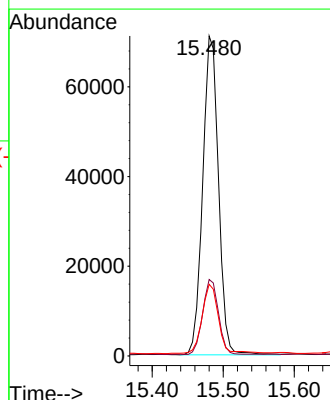
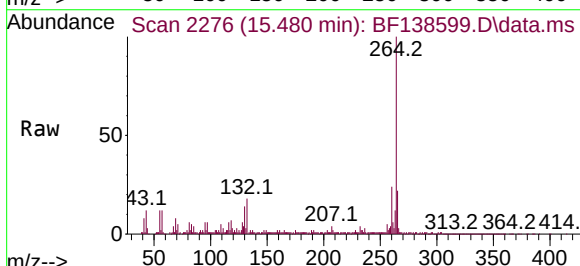
Tgt Ion:264 Resp: 110043

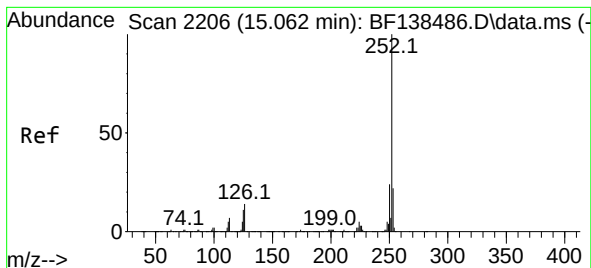
Ion Ratio Lower Upper

264 100

260 23.9 19.0 28.6

265 22.4 17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 4.355 ng

RT: 15.057 min Scan# 2204

Delta R.T. -0.006 min

Lab File: BF138599.D

Acq: 19 Jul 2024 20:03

Instrument :

BNA_F

ClientSampleId :

HR-4-071724

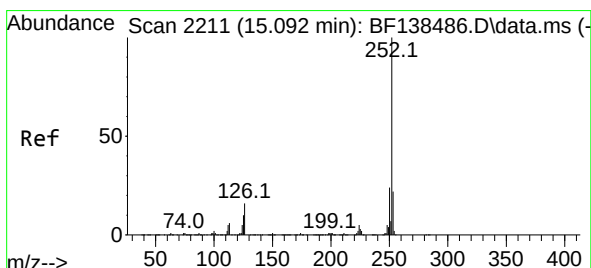
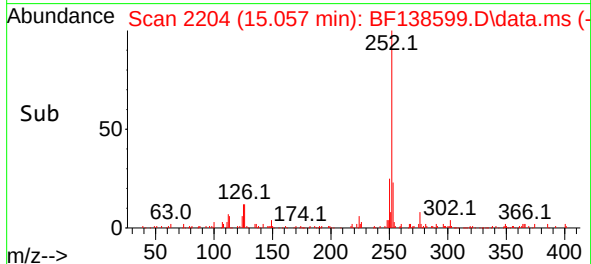
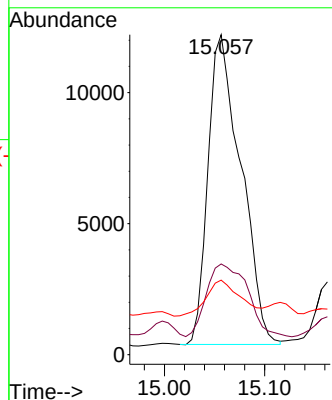
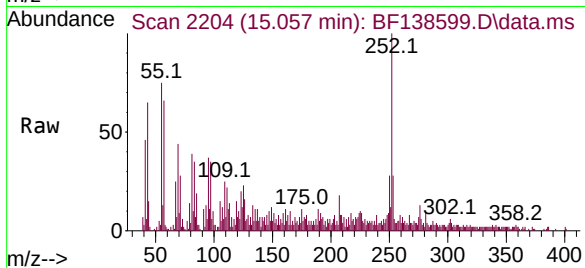
Tgt Ion:252 Resp: 26990

Ion Ratio Lower Upper

252 100

253 28.4 17.3 25.9#

125 23.3 8.6 13.0#



#89

Benzo(k)fluoranthene

Concen: 4.465 ng

RT: 15.057 min Scan# 2204

Delta R.T. -0.035 min

Lab File: BF138599.D

Acq: 19 Jul 2024 20:03

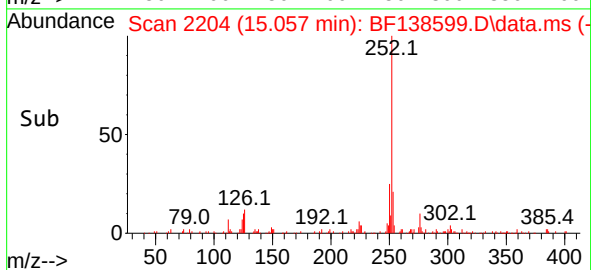
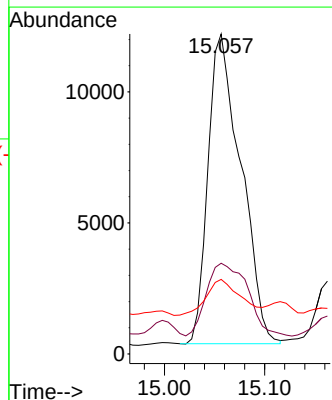
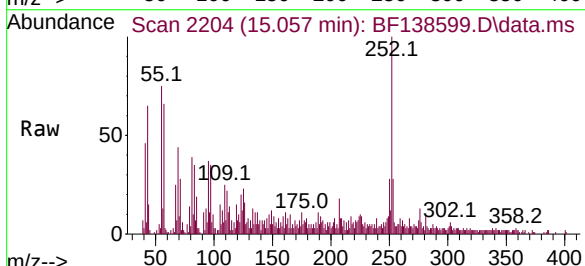
Tgt Ion:252 Resp: 26990

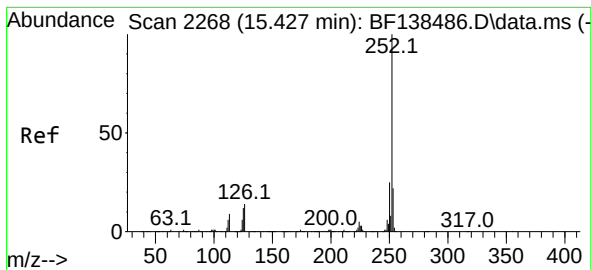
Ion Ratio Lower Upper

252 100

253 28.4 17.7 26.5#

125 23.3 8.1 12.1#





#90

Benzo(a)pyrene

Concen: 2.744 ng

RT: 15.415 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF138599.D

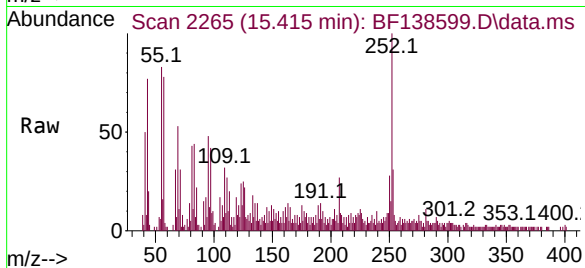
Acq: 19 Jul 2024 20:03

Instrument :

BNA_F

ClientSampleId :

HR-4-071724



Tgt Ion:252 Resp: 14940

Ion Ratio Lower Upper

252 100

253 31.1 17.4 26.0#

125 25.0 9.4 14.2#

