

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082724\
 Data File : BF139191.D
 Acq On : 27 Aug 2024 17:21
 Operator : RC/JU
 Sample : P3732-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UI-3

Quant Time: Aug 28 00:48:11 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 27 02:51:47 2024
 Response via : Initial Calibration

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

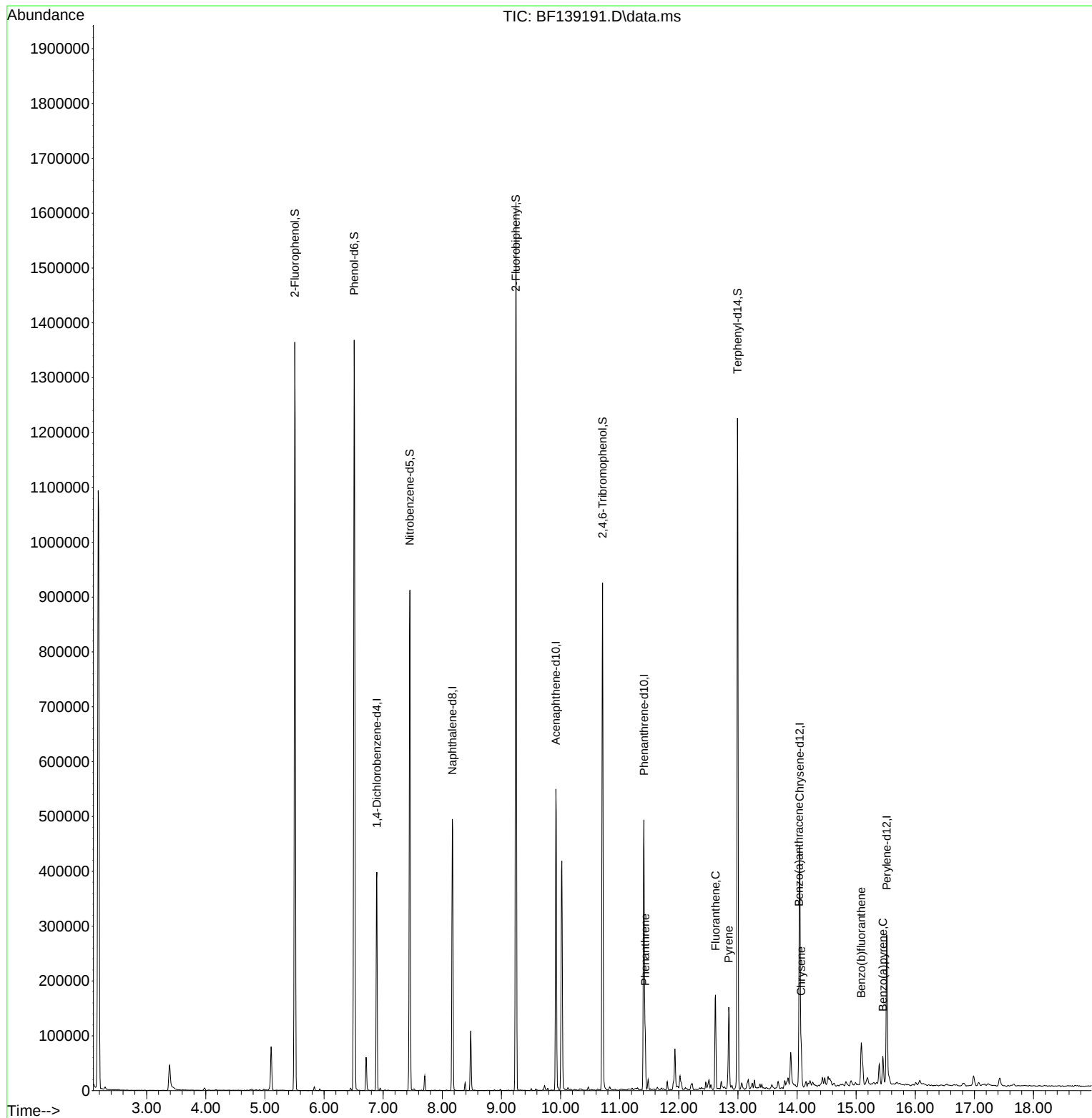
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	78928	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	288745	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	158381	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	246137	20.000	ng	0.00
76) Chrysene-d12	14.045	240	173657	20.000	ng	0.00
86) Perylene-d12	15.515	264	155996	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	464907	98.978	ng	0.00
7) Phenol-d6	6.510	99	616197	95.589	ng	-0.01
23) Nitrobenzene-d5	7.451	82	400376	76.818	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	138459	102.074	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	658353	64.569	ng	0.00
79) Terphenyl-d14	12.992	244	577856	51.921	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.433	178	56954	4.579	ng	99
75) Fluoranthene	12.622	202	96195	7.969	ng	99
78) Pyrene	12.845	202	85914	5.267	ng	99
81) Benzo(a)anthracene	14.033	228	44237	3.845	ng	96
83) Chrysene	14.069	228	41888	4.036	ng	98
88) Benzo(b)fluoranthene	15.086	252	50257m	5.507	ng	
90) Benzo(a)pyrene	15.451	252	30445	3.931	ng	96

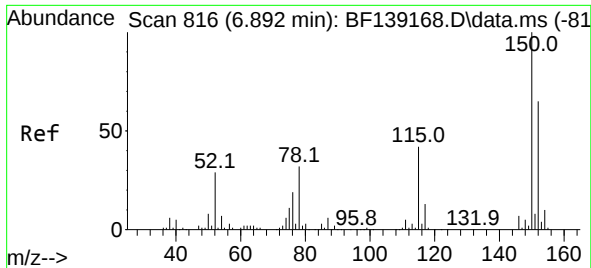
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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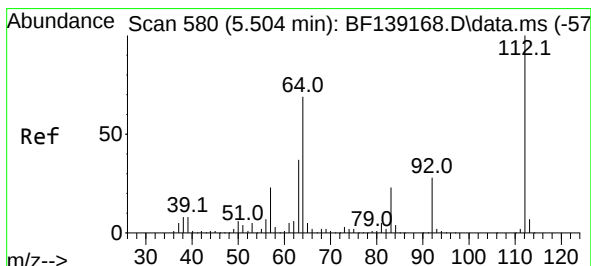
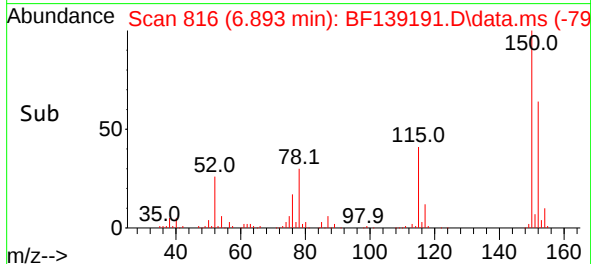
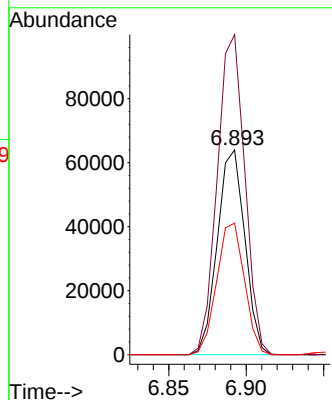
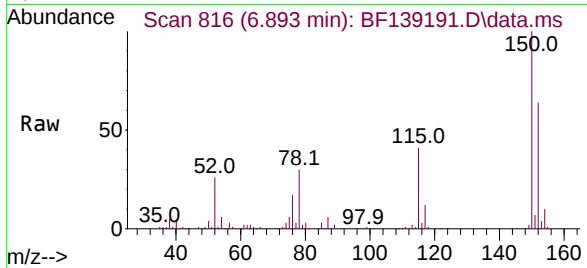




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 816
Delta R.T. 0.000 min
Lab File: BF139191.D
Acq: 27 Aug 2024 17:21

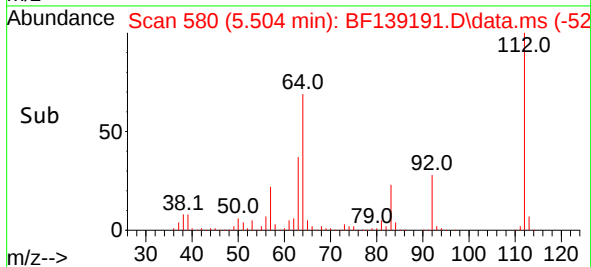
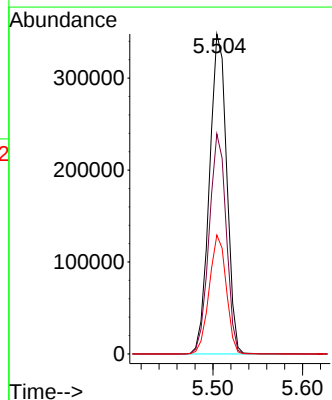
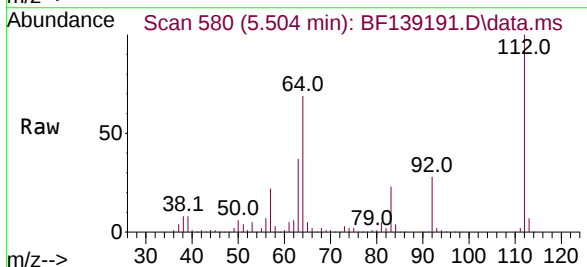
Instrument :
BNA_F
ClientSampleId :
UI-3

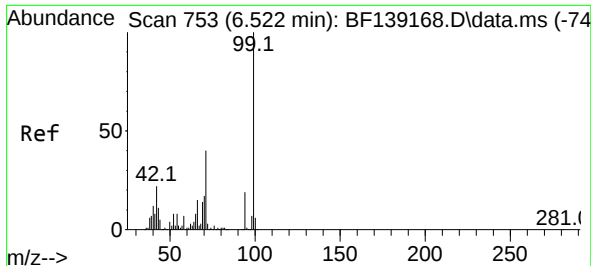
Tgt Ion:152 Resp: 78928
Ion Ratio Lower Upper
152 100
150 156.3 123.7 185.5
115 64.2 51.8 77.8



#5
2-Fluorophenol
Concen: 98.978 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.000 min
Lab File: BF139191.D
Acq: 27 Aug 2024 17:21

Tgt Ion:112 Resp: 464907
Ion Ratio Lower Upper
112 100
64 68.8 55.5 83.3
63 37.2 29.8 44.6

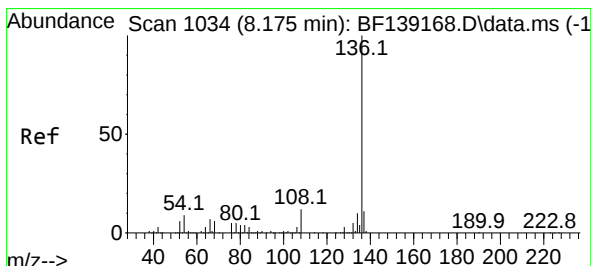
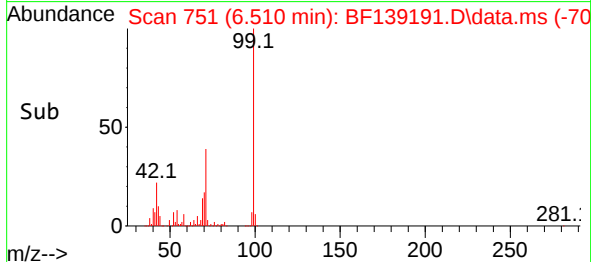
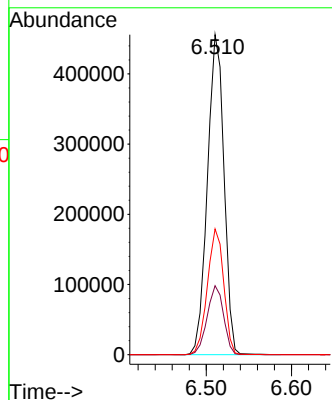
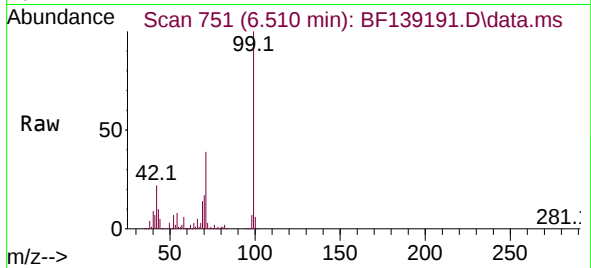




#7
Phenol-d6
Concen: 95.589 ng
RT: 6.510 min Scan# 70
Delta R.T. -0.012 min
Lab File: BF139191.D
Acq: 27 Aug 2024 17:21

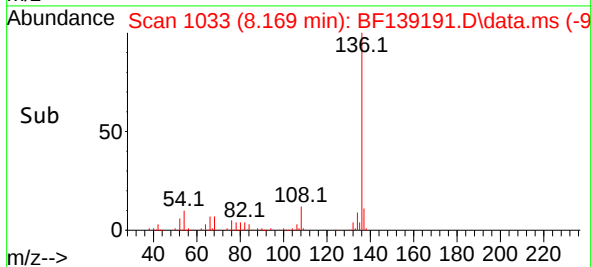
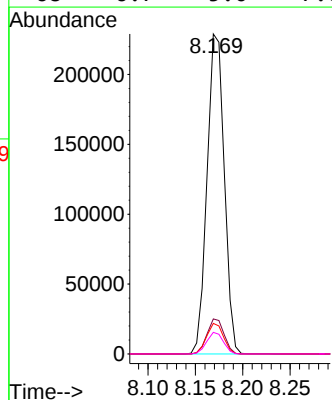
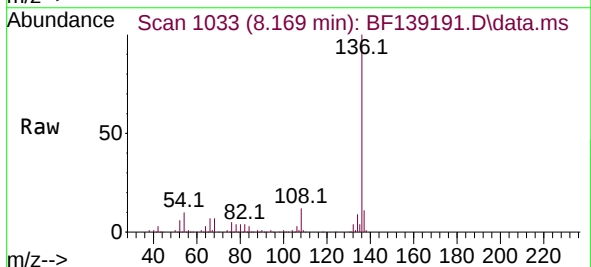
Instrument :
BNA_F
ClientSampleId :
UI-3

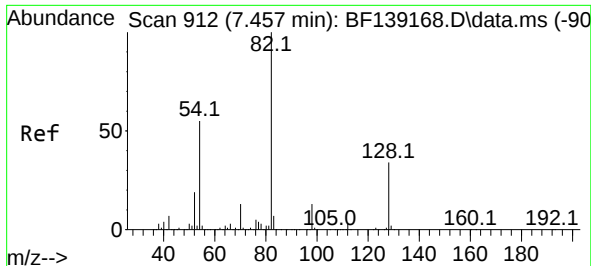
Tgt Ion: 99 Resp: 616197
Ion Ratio Lower Upper
99 100
42 21.5 17.9 26.9
71 39.3 31.7 47.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139191.D
Acq: 27 Aug 2024 17:21

Tgt Ion: 136 Resp: 288745
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 9.6 7.6 11.4
68 6.7 5.0 7.6





#23

Nitrobenzene-d5

Concen: 76.818 ng

RT: 7.451 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF139191.D

Acq: 27 Aug 2024 17:21

Instrument :

BNA_F

ClientSampleId :

UI-3

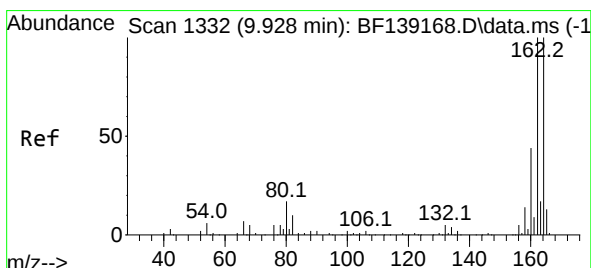
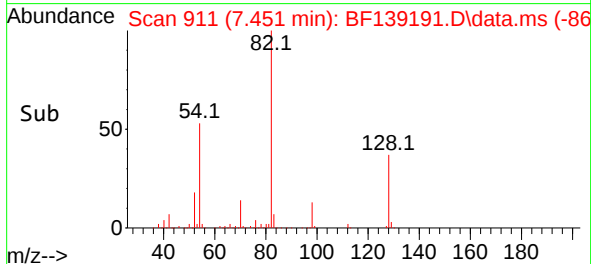
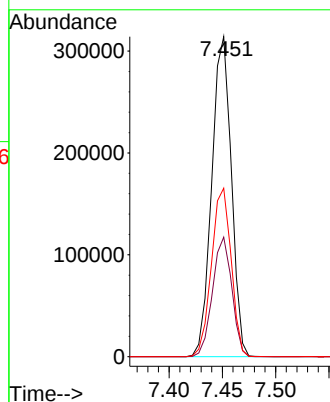
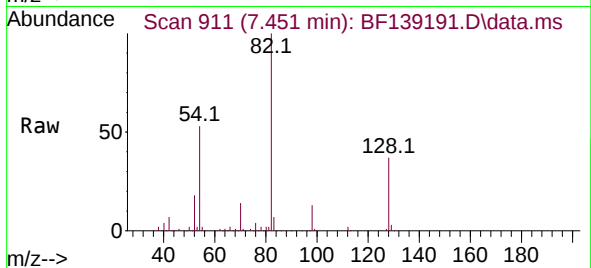
Tgt Ion: 82 Resp: 400376

Ion Ratio Lower Upper

82 100

128 37.4 27.1 40.7

54 52.6 44.2 66.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1331

Delta R.T. -0.006 min

Lab File: BF139191.D

Acq: 27 Aug 2024 17:21

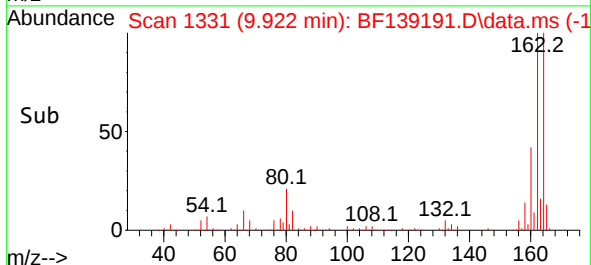
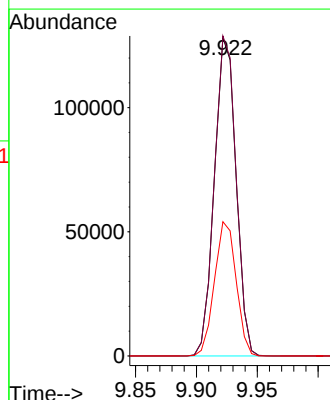
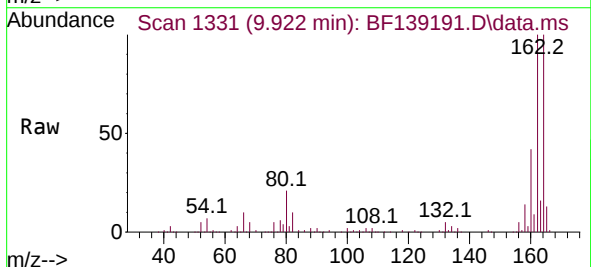
Tgt Ion:164 Resp: 158381

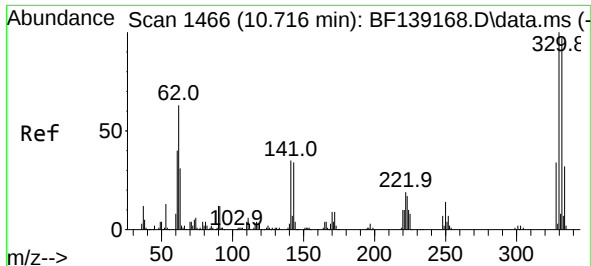
Ion Ratio Lower Upper

164 100

162 100.5 80.0 120.0

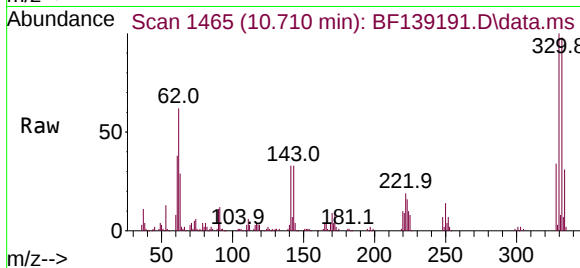
160 42.2 35.0 52.6



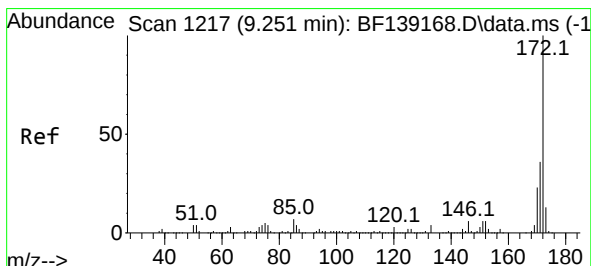
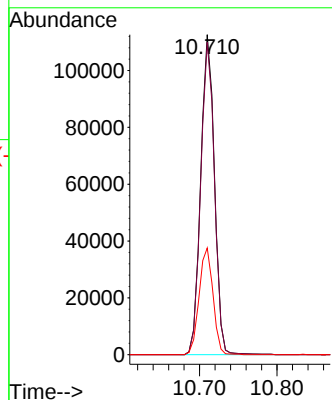
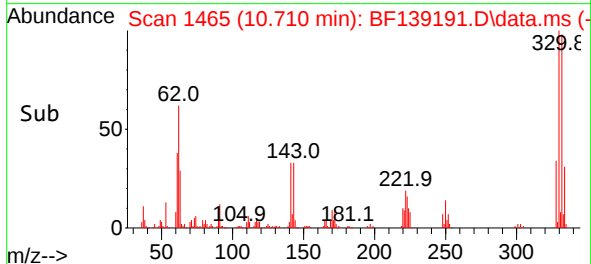


#42
2,4,6-Tribromophenol
Concen: 102.074 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF139191.D
Acq: 27 Aug 2024 17:21

Instrument :
BNA_F
ClientSampleId :
UI-3

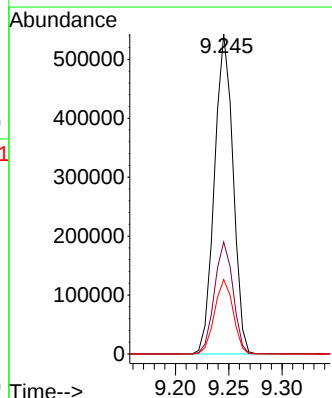
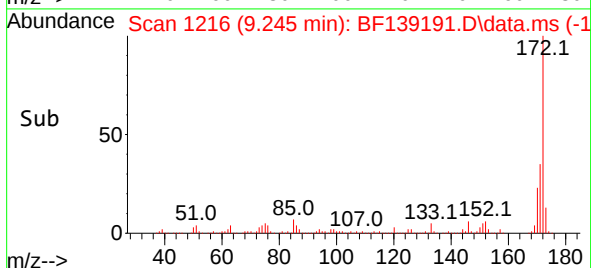
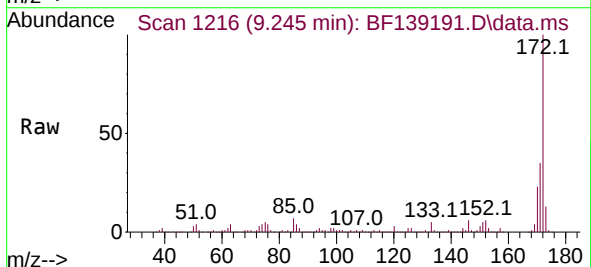


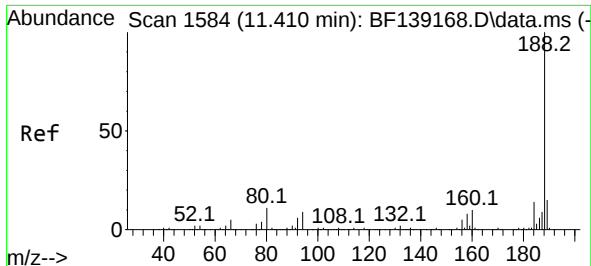
Tgt Ion:330 Resp: 138459
Ion Ratio Lower Upper
330 100
332 97.5 77.3 115.9
141 33.7 28.8 43.2



#45
2-Fluorobiphenyl
Concen: 64.569 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF139191.D
Acq: 27 Aug 2024 17:21

Tgt Ion:172 Resp: 658353
Ion Ratio Lower Upper
172 100
171 35.0 28.6 42.8
170 23.3 18.8 28.2

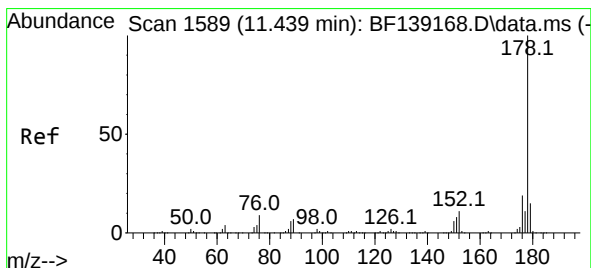
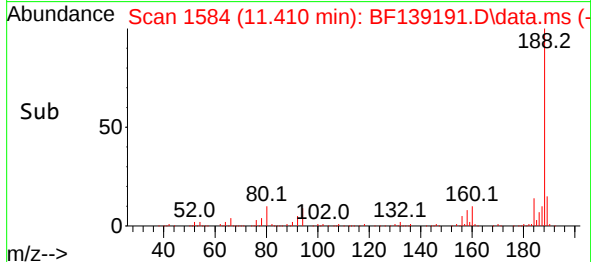
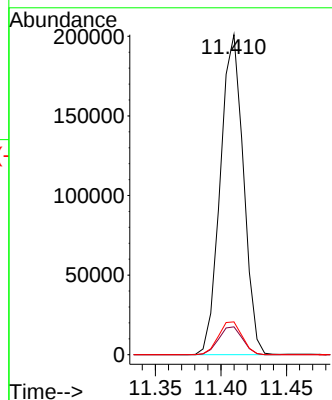
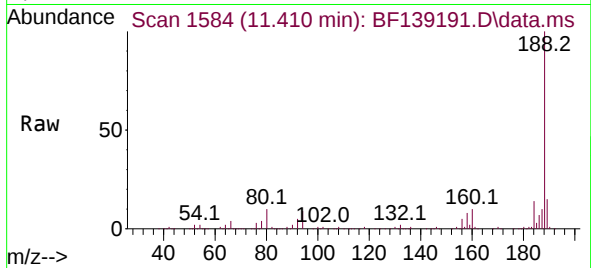




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF139191.D
Acq: 27 Aug 2024 17:21

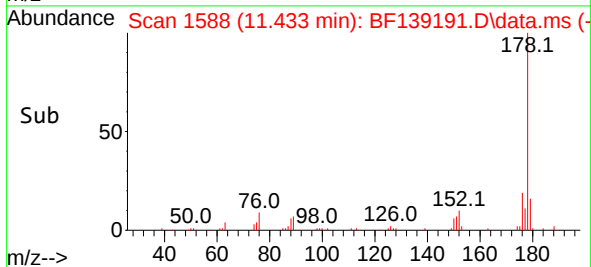
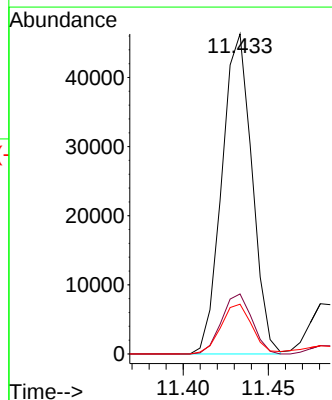
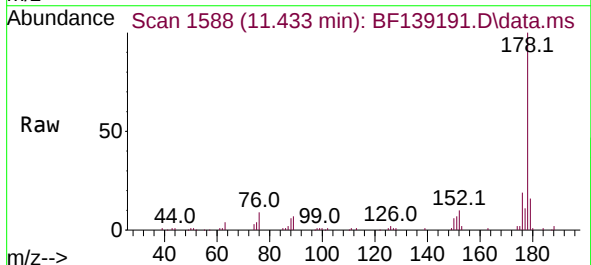
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ClientSampleId :
UI-3

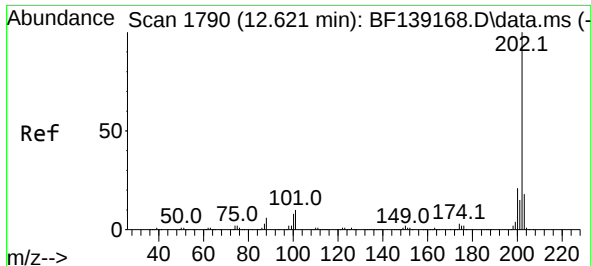
Tgt Ion:188 Resp: 246137
Ion Ratio Lower Upper
188 100
94 8.7 7.4 11.2
80 10.2 8.9 13.3



#71
Phenanthrene
Concen: 4.579 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF139191.D
Acq: 27 Aug 2024 17:21

Tgt Ion:178 Resp: 56954
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.0
179 15.6 12.2 18.4

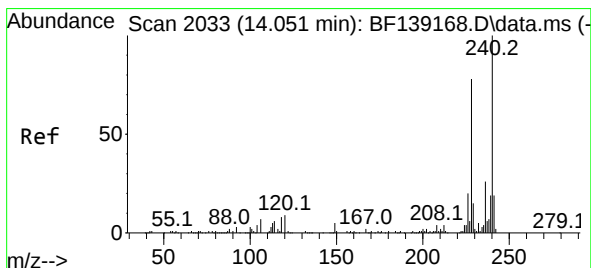
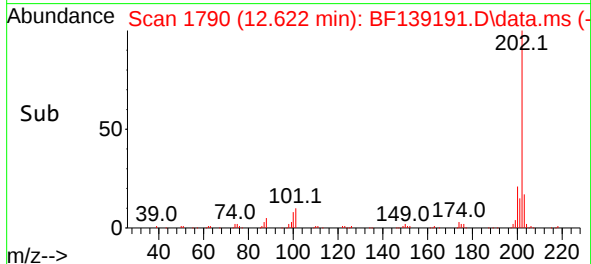
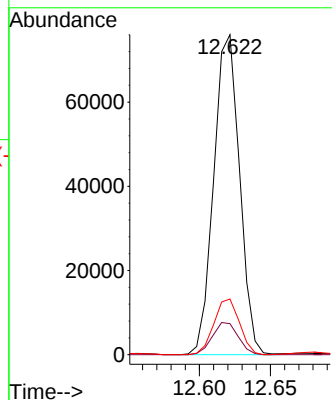
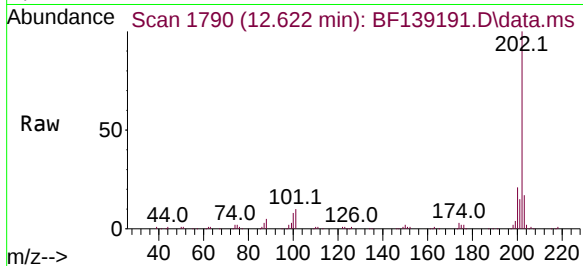




#75
Fluoranthene
Concen: 7.969 ng
RT: 12.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139191.D
Acq: 27 Aug 2024 17:21

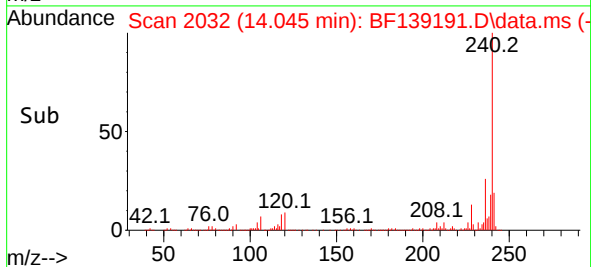
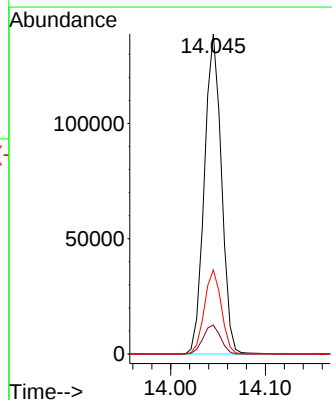
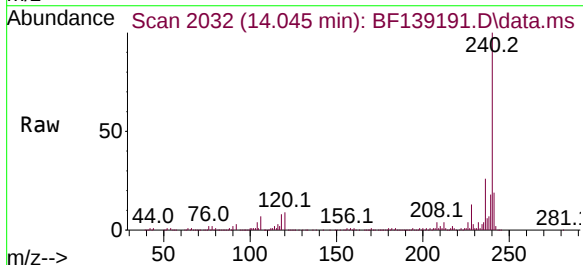
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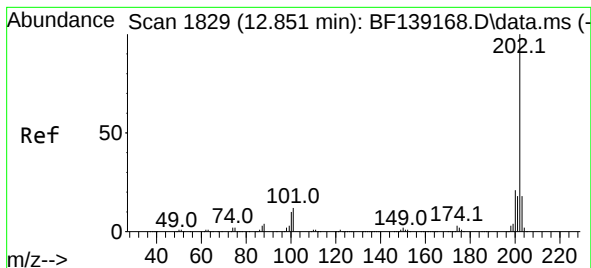
Tgt Ion:202 Resp: 96195
Ion Ratio Lower Upper
202 100
101 9.7 0.0 30.1
203 17.4 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF139191.D
Acq: 27 Aug 2024 17:21

Tgt Ion:240 Resp: 173657
Ion Ratio Lower Upper
240 100
120 9.0 6.9 10.3
236 26.3 20.9 31.3





#78

Pyrene

Concen: 5.267 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.006 min

Lab File: BF139191.D

Acq: 27 Aug 2024 17:21

Instrument :

BNA_F

ClientSampleId :

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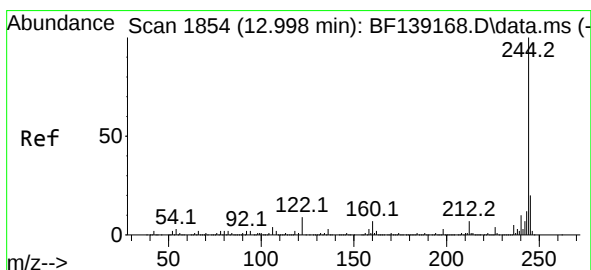
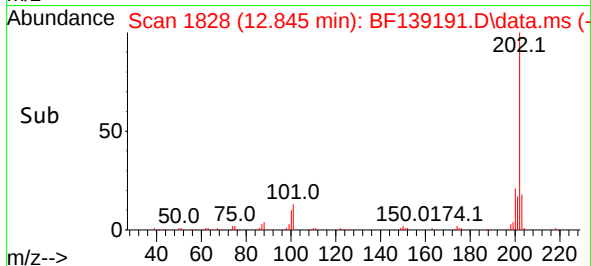
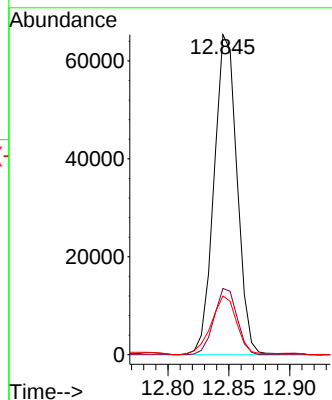
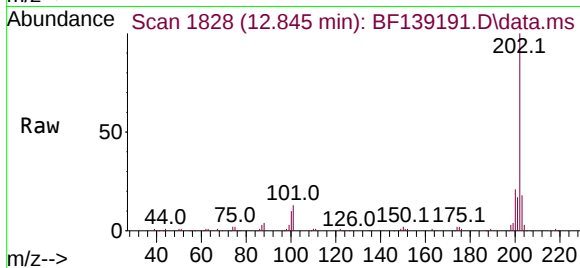
Tgt Ion:202 Resp: 85914

Ion Ratio Lower Upper

202 100

200 20.7 16.7 25.1

203 18.4 14.1 21.1



#79

Terphenyl-d14

Concen: 51.921 ng

RT: 12.992 min Scan# 1853

Delta R.T. -0.006 min

Lab File: BF139191.D

Acq: 27 Aug 2024 17:21

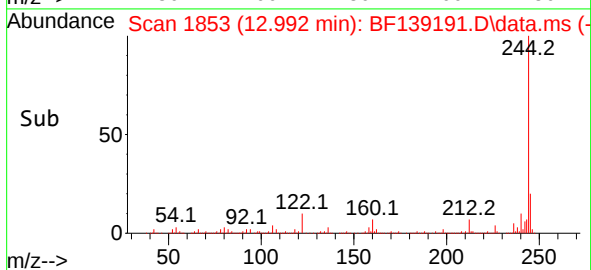
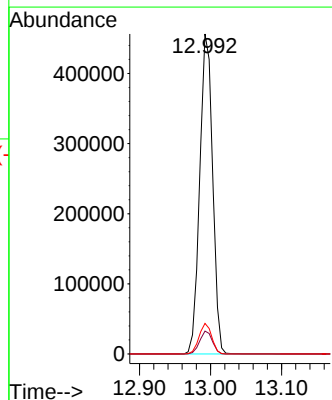
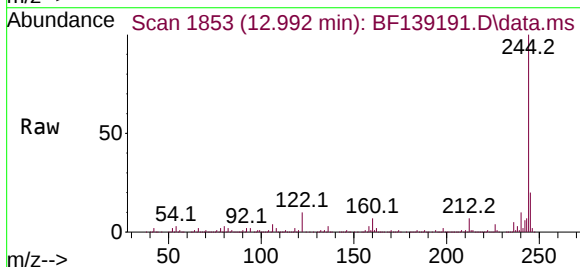
Tgt Ion:244 Resp: 577856

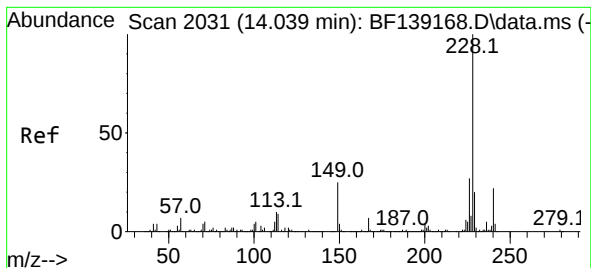
Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

122 9.6 7.6 11.4





#81

Benzo(a)anthracene

Concen: 3.845 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF139191.D

Acq: 27 Aug 2024 17:21

Instrument :

BNA_F

ClientSampleId :

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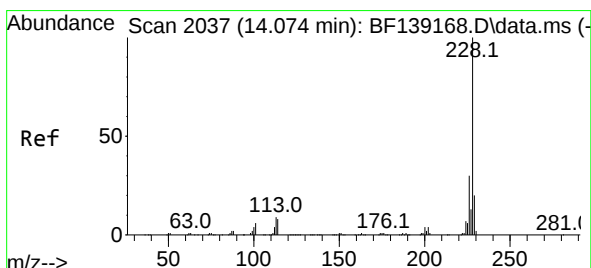
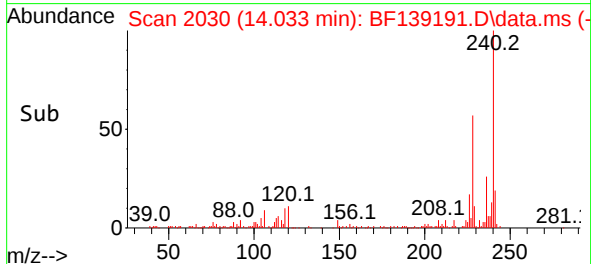
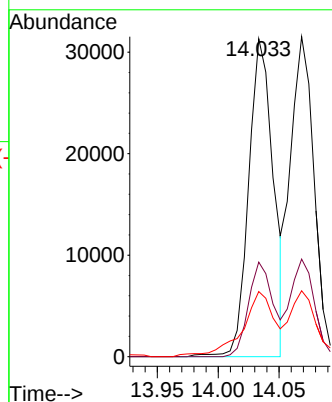
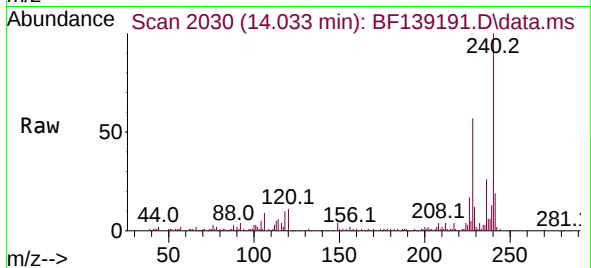
Tgt Ion:228 Resp: 44237

Ion Ratio Lower Upper

228 100

226 29.8 21.4 32.2

229 20.5 15.7 23.5



#83

Chrysene

Concen: 4.036 ng

RT: 14.069 min Scan# 2036

Delta R.T. -0.006 min

Lab File: BF139191.D

Acq: 27 Aug 2024 17:21

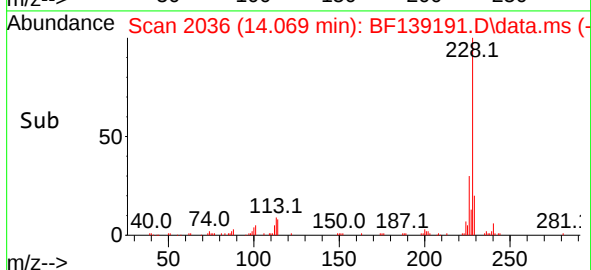
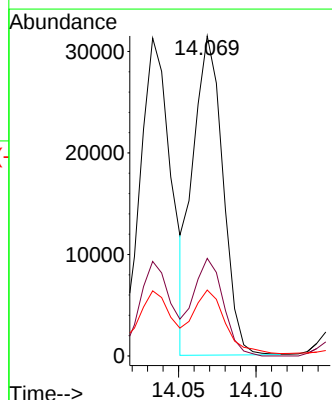
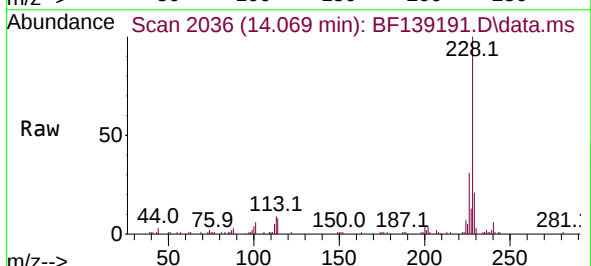
Tgt Ion:228 Resp: 41888

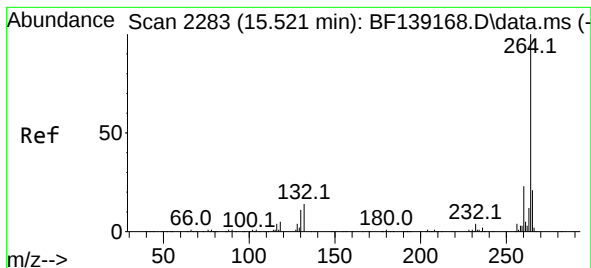
Ion Ratio Lower Upper

228 100

226 30.5 23.8 35.6

229 20.6 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.515 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139191.D

Acq: 27 Aug 2024 17:21

Instrument :

BNA_F

ClientSampleId :

UI-3

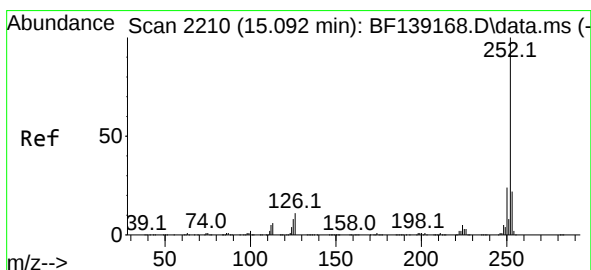
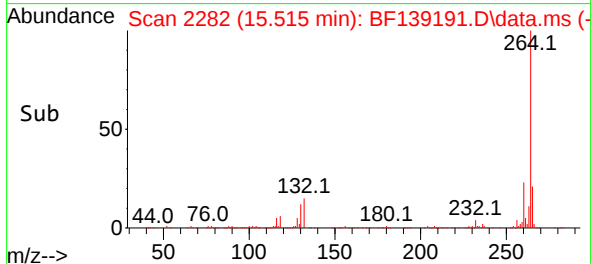
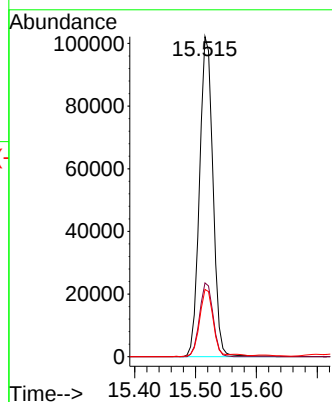
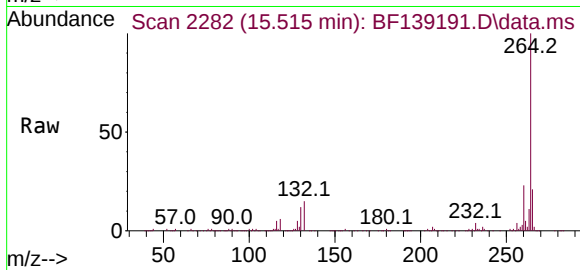
Tgt Ion:264 Resp: 155996

Ion Ratio Lower Upper

264 100

260 23.1 18.3 27.5

265 21.0 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 5.507 ng m

RT: 15.086 min Scan# 2209

Delta R.T. -0.006 min

Lab File: BF139191.D

Acq: 27 Aug 2024 17:21

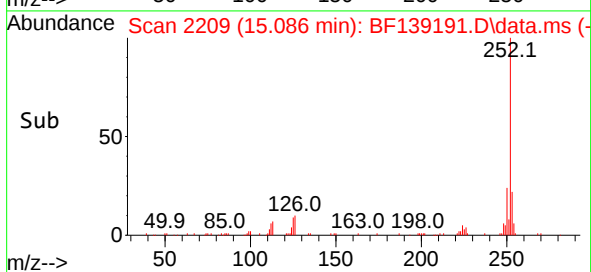
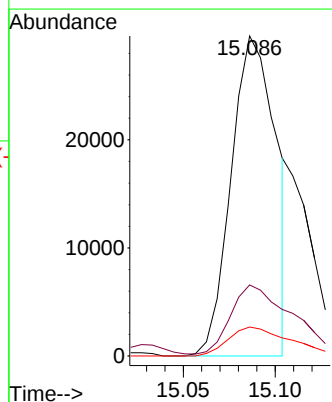
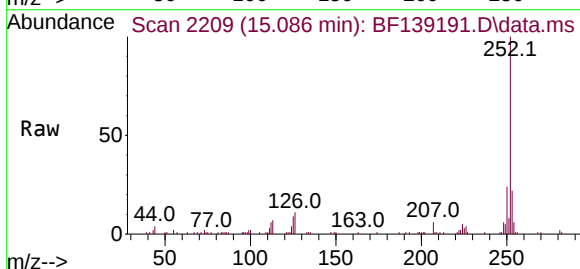
Tgt Ion:252 Resp: 50257

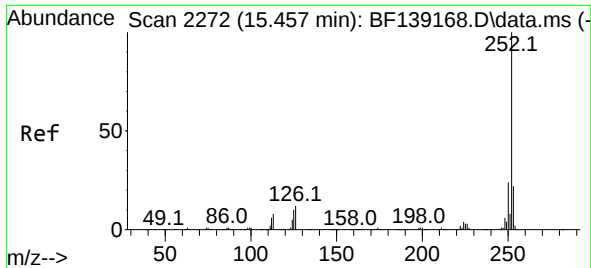
Ion Ratio Lower Upper

252 100

253 22.2 18.0 27.0

125 9.1 6.7 10.1





#90
 Benzo(a)pyrene
 Concen: 3.931 ng
 RT: 15.451 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF139191.D
 Acq: 27 Aug 2024 17:21

Instrument :
 BNA_F
 ClientSampleId :
 UI-3

Tgt Ion:252	Resp:	30445
Ion	Ratio	Lower Upper
252	100	
253	23.2	17.3 25.9
125	11.1	7.8 11.6

