

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
 Data File : BF139118.D
 Acq On : 22 Aug 2024 12:52
 Operator : RC/JU
 Sample : P3663-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 914-J-SD-0-0.5-081624

Quant Time: Aug 22 13:27:40 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 21 01:25:05 2024
 Response via : Initial Calibration

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

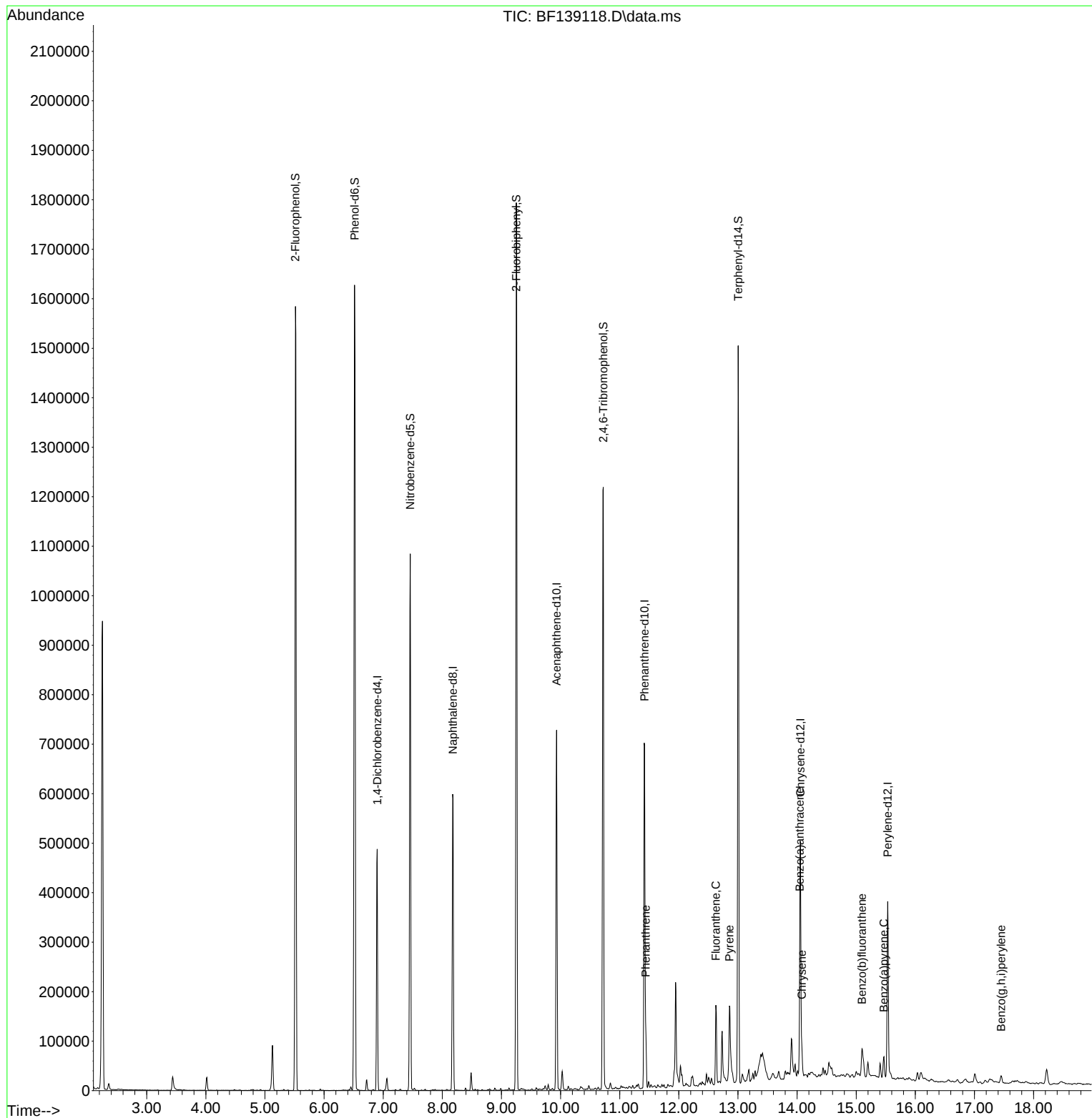
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	93886	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	363216	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	206333	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	363483	20.000	ng	0.00
76) Chrysene-d12	14.057	240	194565	20.000	ng	0.00
86) Perylene-d12	15.533	264	198854	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	554593	90.882	ng	0.00
7) Phenol-d6	6.516	99	744326	94.397	ng	0.00
23) Nitrobenzene-d5	7.457	82	486748	78.088	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	193463	103.572	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	759925	58.435	ng	0.00
79) Terphenyl-d14	13.004	244	691028	58.932	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.439	178	59482	3.220	ng	98
75) Fluoranthene	12.627	202	85348	4.328	ng	99
78) Pyrene	12.857	202	75995	4.680	ng	100
81) Benzo(a)anthracene	14.045	228	32885m	2.571	ng	
83) Chrysene	14.080	228	28850	2.489	ng	96
88) Benzo(b)fluoranthene	15.098	252	34287m	2.645	ng	
90) Benzo(a)pyrene	15.468	252	24673	2.409	ng	98
92) Benzo(g,h,i)perylene	17.451	276	13835	3.988	ng	99

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

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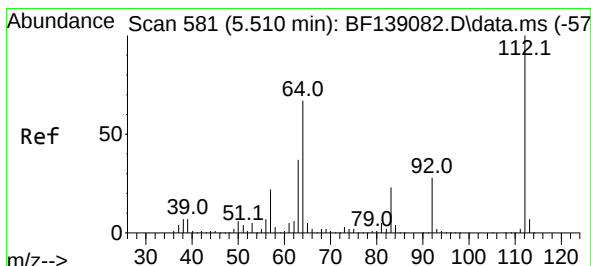
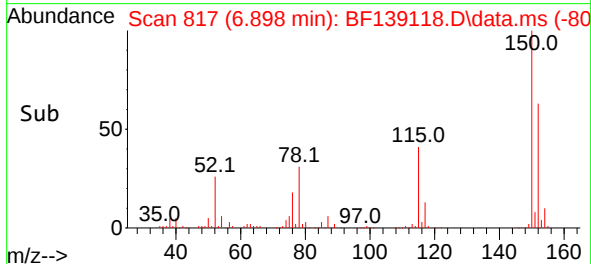
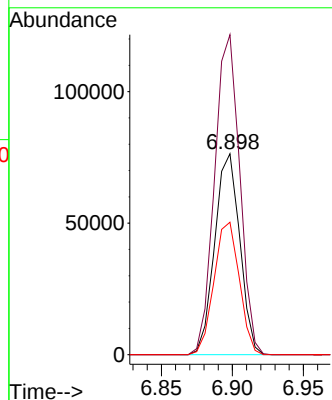
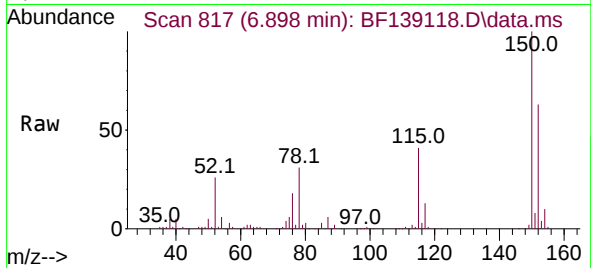




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 81
Delta R.T. -0.001 min
Lab File: BF139118.D
Acq: 22 Aug 2024 12:52

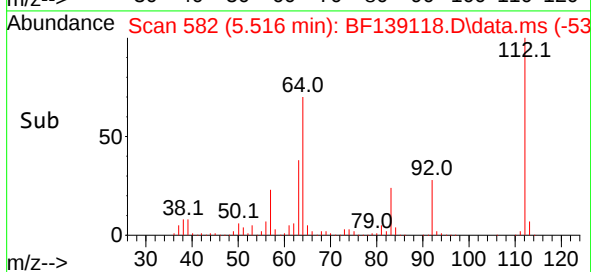
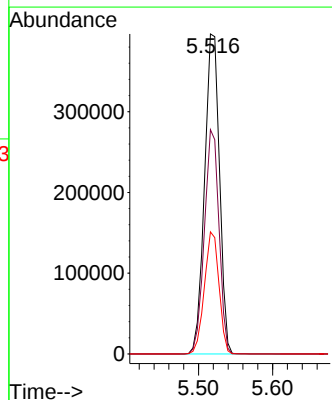
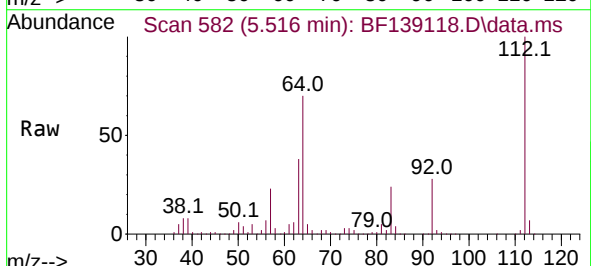
Instrument :
BNA_F
ClientSampleId :
914-J-SD-0-0.5-081624

Tgt Ion:152 Resp: 93886
Ion Ratio Lower Upper
152 100
150 159.2 125.1 187.7
115 65.9 51.8 77.6



#5
2-Fluorophenol
Concen: 90.882 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.006 min
Lab File: BF139118.D
Acq: 22 Aug 2024 12:52

Tgt Ion:112 Resp: 554593
Ion Ratio Lower Upper
112 100
64 70.1 53.8 80.6
63 38.2 29.4 44.2





#7

Phenol-d6

Concen: 94.397 ng

RT: 6.516 min Scan# 70

Delta R.T. -0.006 min

Lab File: BF139118.D

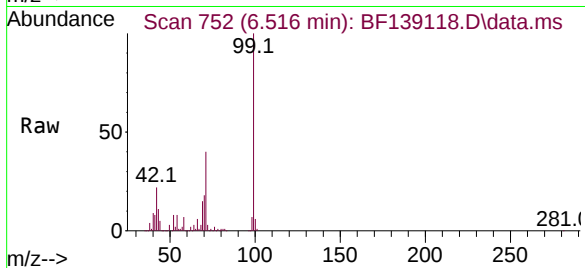
Acq: 22 Aug 2024 12:52

Instrument :

BNA_F

ClientSampleId :

914-J-SD-0-0.5-081624



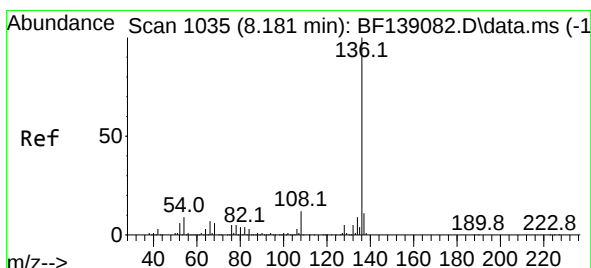
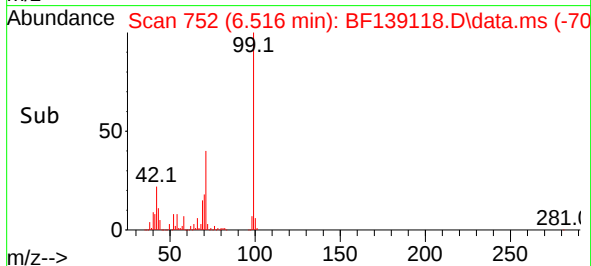
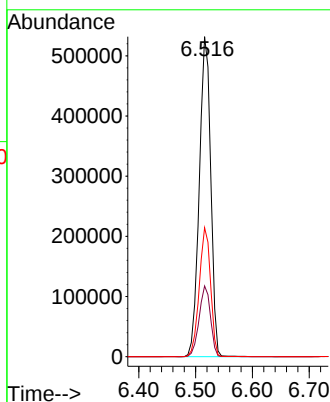
Tgt Ion: 99 Resp: 744326

Ion Ratio Lower Upper

99 100

42 22.1 17.4 26.2

71 40.3 31.2 46.8



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.181 min Scan# 1035

Delta R.T. -0.000 min

Lab File: BF139118.D

Acq: 22 Aug 2024 12:52

Tgt Ion: 136 Resp: 363216

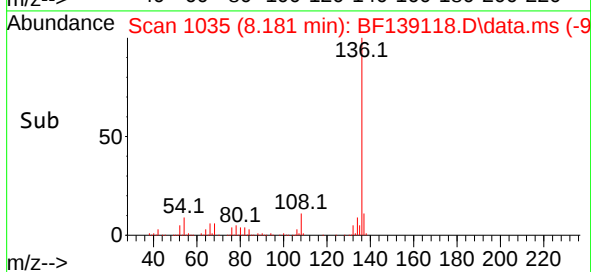
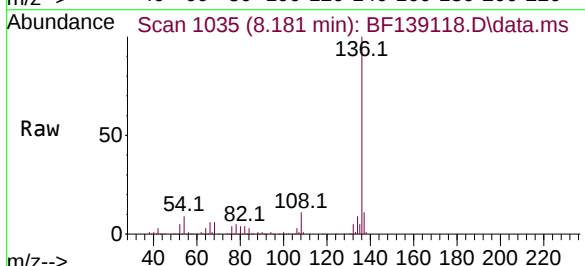
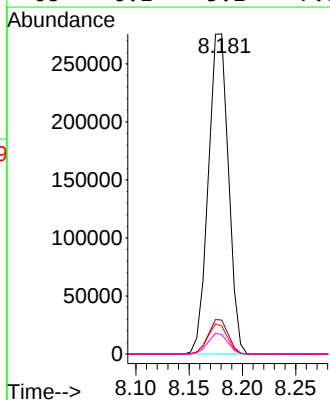
Ion Ratio Lower Upper

136 100

137 10.6 8.7 13.1

54 8.8 7.6 11.4

68 6.1 5.1 7.7





#23

Nitrobenzene-d5

Concen: 78.088 ng

RT: 7.457 min Scan# 913

Delta R.T. -0.006 min

Lab File: BF139118.D

Acq: 22 Aug 2024 12:52

Instrument :

BNA_F

ClientSampleId :

914-J-SD-0-0.5-081624

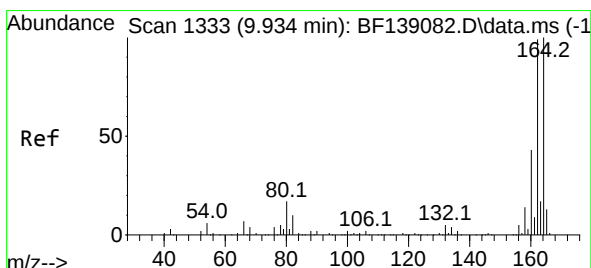
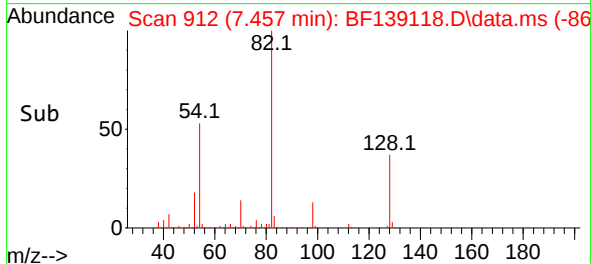
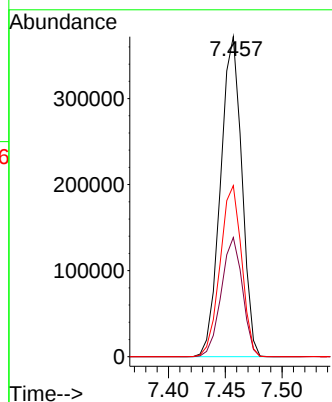
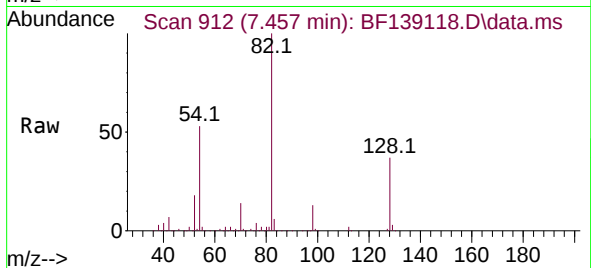
Tgt Ion: 82 Resp: 486748

Ion Ratio Lower Upper

82 100

128 37.3 29.0 43.4

54 53.4 43.4 65.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.933 min Scan# 1333

Delta R.T. -0.001 min

Lab File: BF139118.D

Acq: 22 Aug 2024 12:52

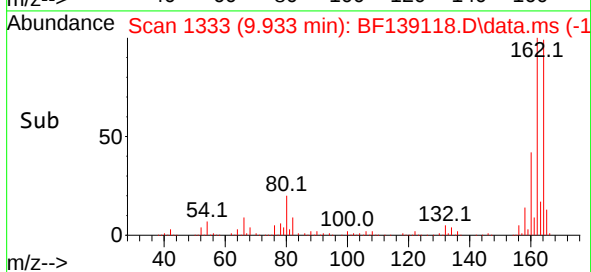
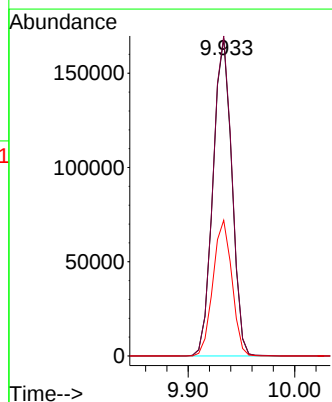
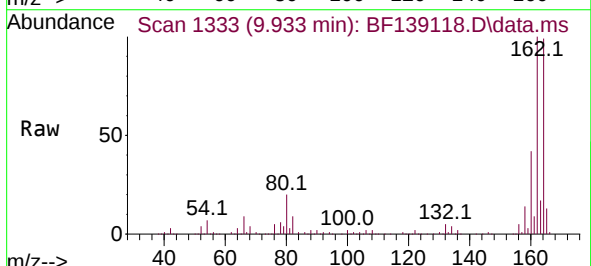
Tgt Ion: 164 Resp: 206333

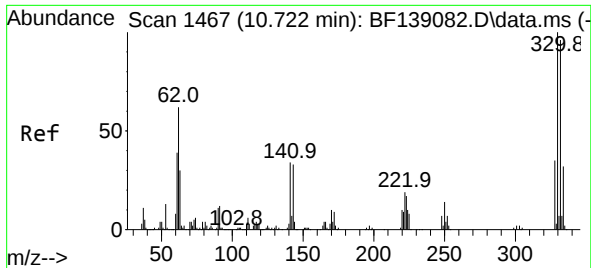
Ion Ratio Lower Upper

164 100

162 100.8 79.5 119.3

160 42.8 34.5 51.7





#42

2,4,6-Tribromophenol

Concen: 103.572 ng

RT: 10.722 min Scan# 1467

Delta R.T. -0.000 min

Lab File: BF139118.D

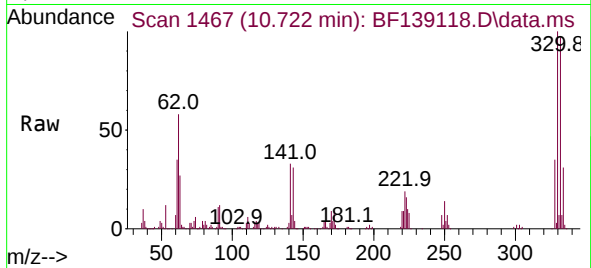
Acq: 22 Aug 2024 12:52

Instrument :

BNA_F

ClientSampleId :

914-J-SD-0-0.5-081624



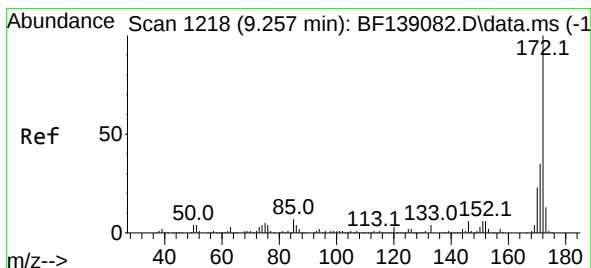
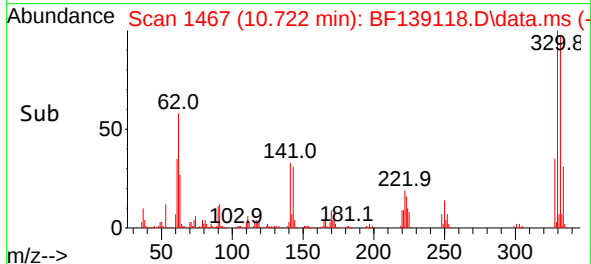
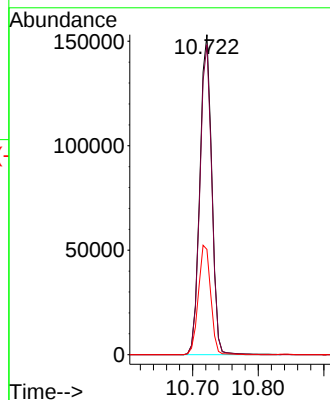
Tgt Ion: 330 Resp: 193463

Ion Ratio Lower Upper

330 100

332 96.8 77.0 115.6

141 35.5 27.5 41.3



#45

2-Fluorobiphenyl

Concen: 58.435 ng

RT: 9.251 min Scan# 1217

Delta R.T. -0.006 min

Lab File: BF139118.D

Acq: 22 Aug 2024 12:52

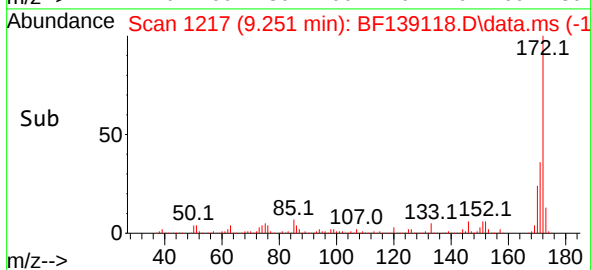
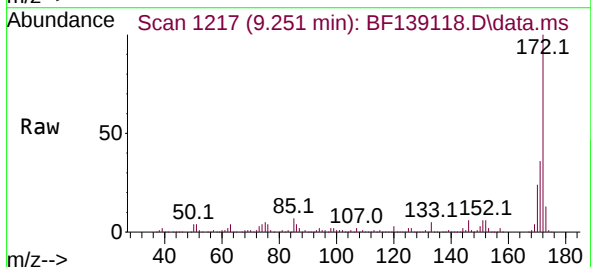
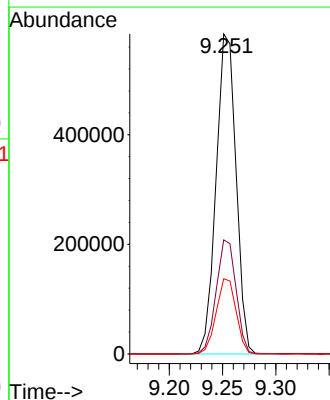
Tgt Ion: 172 Resp: 759925

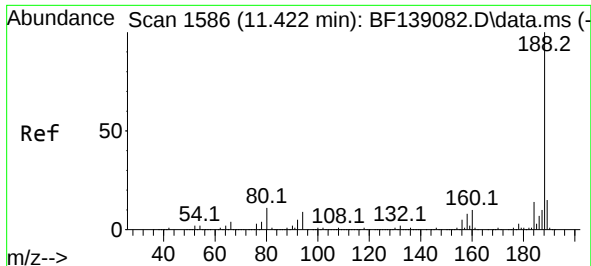
Ion Ratio Lower Upper

172 100

171 35.6 28.4 42.6

170 23.5 18.8 28.2

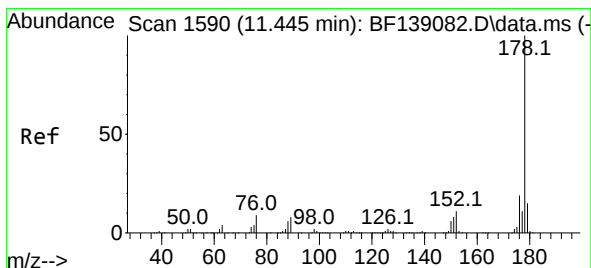
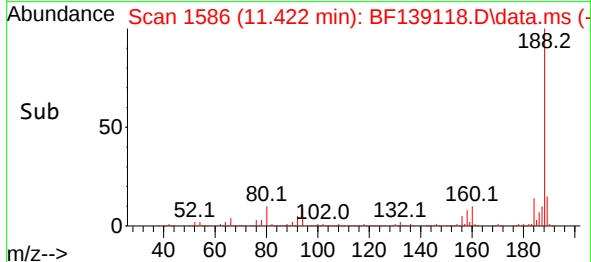
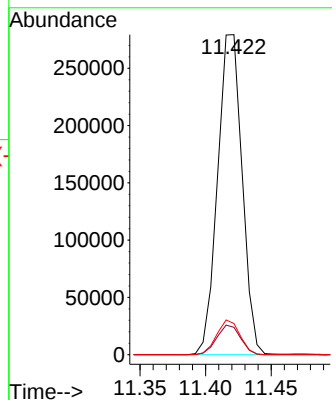
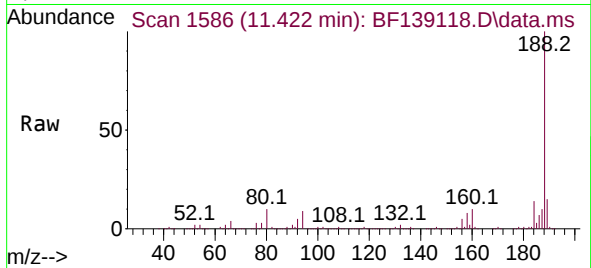




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139118.D
Acq: 22 Aug 2024 12:52

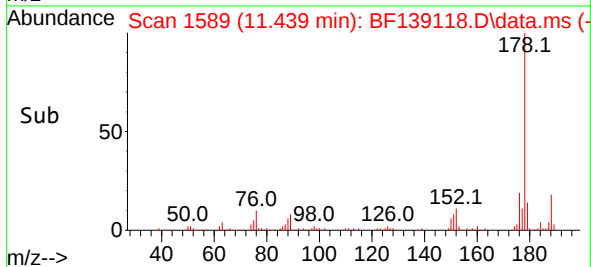
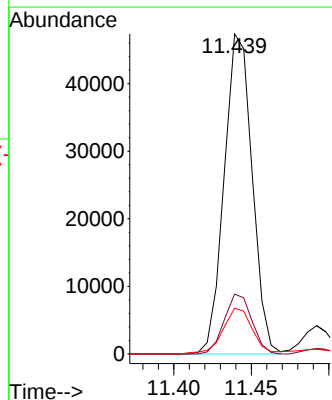
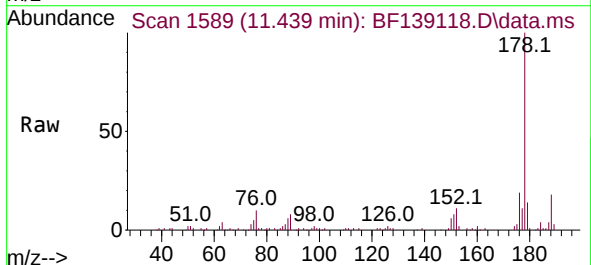
Instrument :
BNA_F
ClientSampleId :
914-J-SD-0-0.5-081624

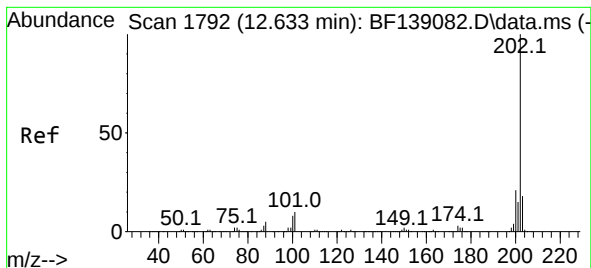
Tgt Ion:188 Resp: 363483
Ion Ratio Lower Upper
188 100
94 8.6 7.2 10.8
80 9.7 8.5 12.7



#71
Phenanthrene
Concen: 3.220 ng
RT: 11.439 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF139118.D
Acq: 22 Aug 2024 12:52

Tgt Ion:178 Resp: 59482
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.2
179 14.3 12.3 18.5





#75

Fluoranthene

Concen: 4.328 ng

RT: 12.627 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139118.D

Acq: 22 Aug 2024 12:52

Instrument :

BNA_F

ClientSampleId :

914-J-SD-0-0.5-081624

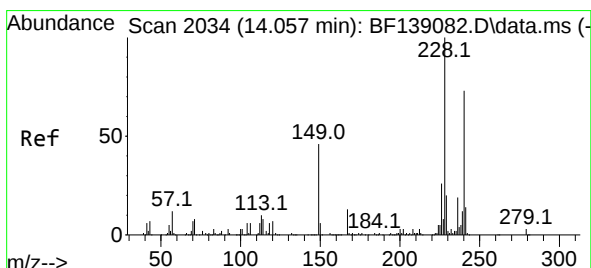
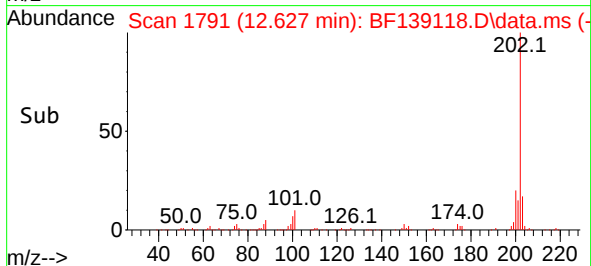
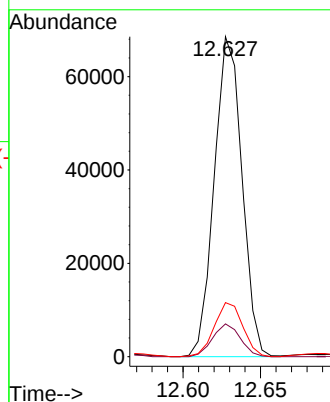
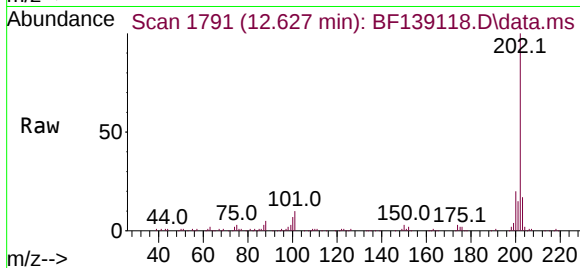
Tgt Ion:202 Resp: 85348

Ion Ratio Lower Upper

202 100

101 10.3 0.0 30.2

203 16.9 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2034

Delta R.T. -0.000 min

Lab File: BF139118.D

Acq: 22 Aug 2024 12:52

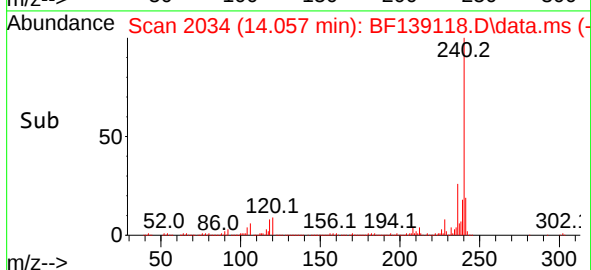
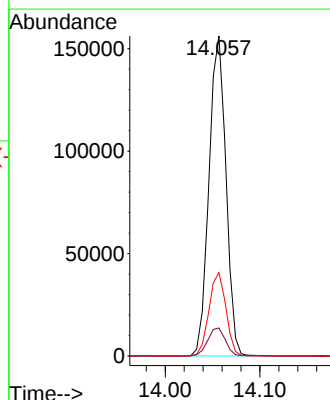
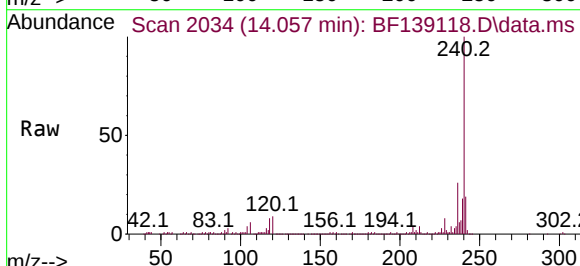
Tgt Ion:240 Resp: 194565

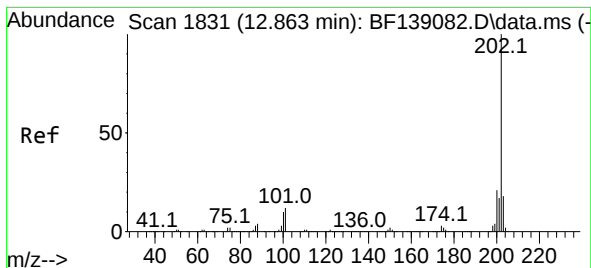
Ion Ratio Lower Upper

240 100

120 8.7 7.8 11.6

236 26.1 20.9 31.3





#78

Pyrene

Concen: 4.680 ng

RT: 12.857 min Scan# 1830

Delta R.T. -0.006 min

Lab File: BF139118.D

Acq: 22 Aug 2024 12:52

Instrument :

BNA_F

ClientSampleId :

914-J-SD-0-0.5-081624

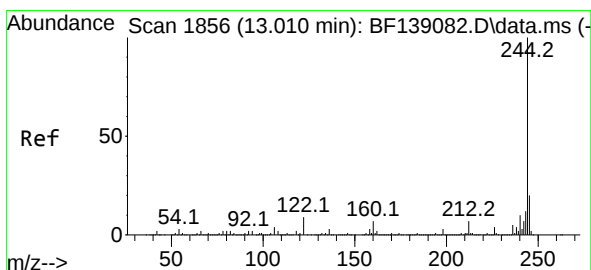
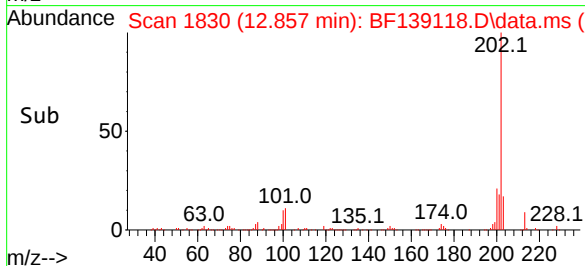
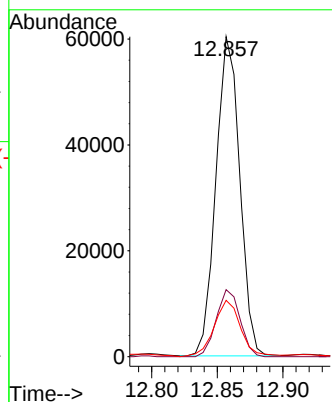
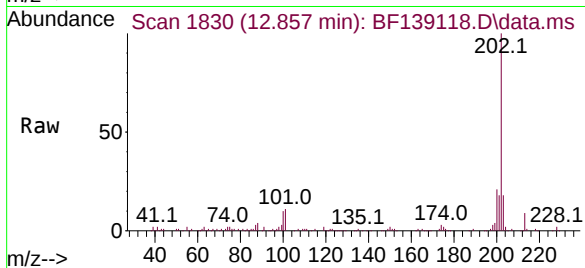
Tgt Ion:202 Resp: 75995

Ion Ratio Lower Upper

202 100

200 20.9 17.0 25.6

203 17.6 14.1 21.1



#79

Terphenyl-d14

Concen: 58.932 ng

RT: 13.004 min Scan# 1855

Delta R.T. -0.006 min

Lab File: BF139118.D

Acq: 22 Aug 2024 12:52

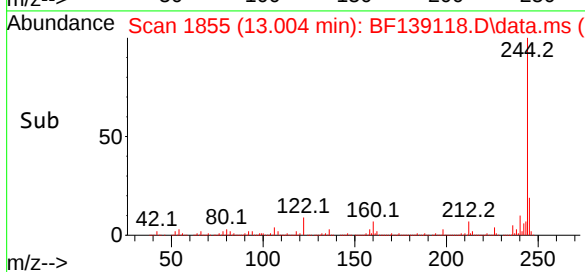
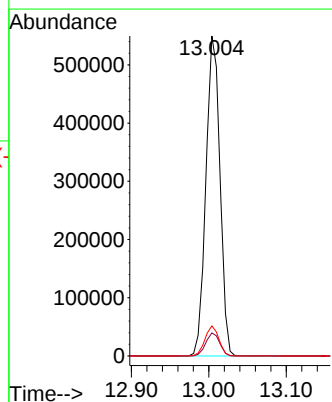
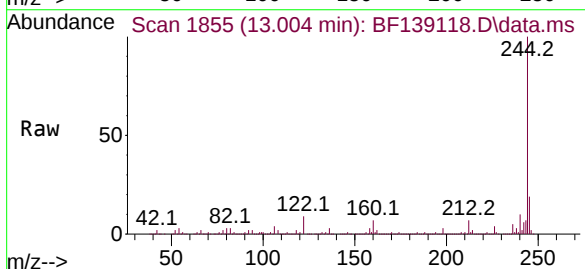
Tgt Ion:244 Resp: 691028

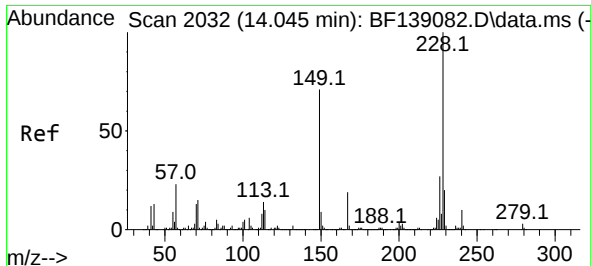
Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

122 9.4 7.6 11.4

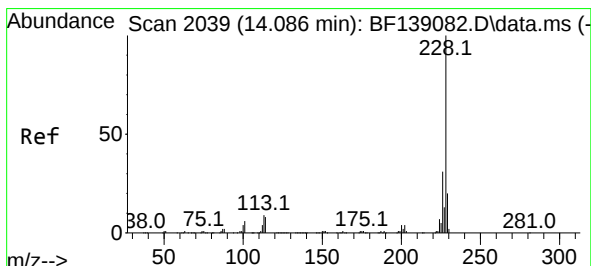
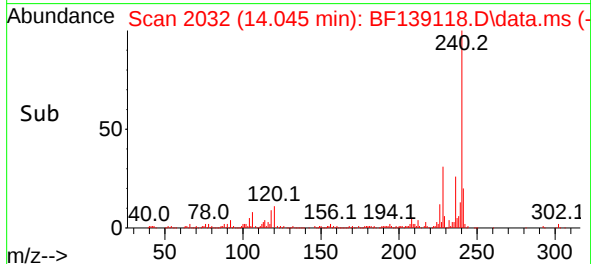
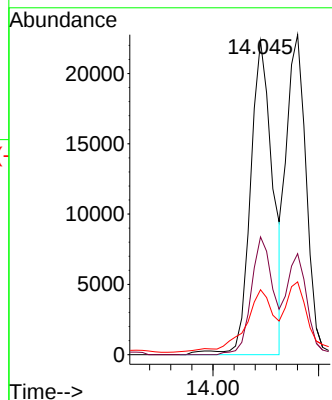
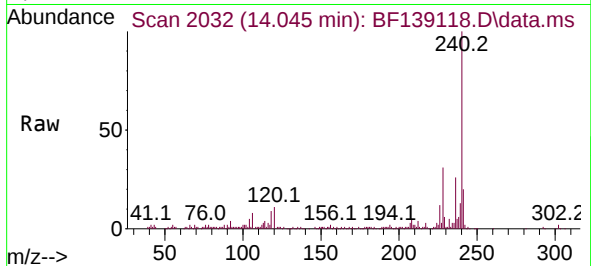




#81
Benzo(a)anthracene
Concen: 2.571 ng m
RT: 14.045 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF139118.D
Acq: 22 Aug 2024 12:52

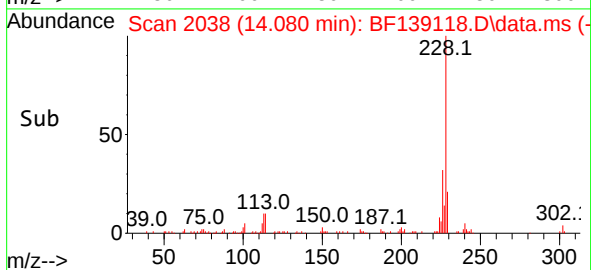
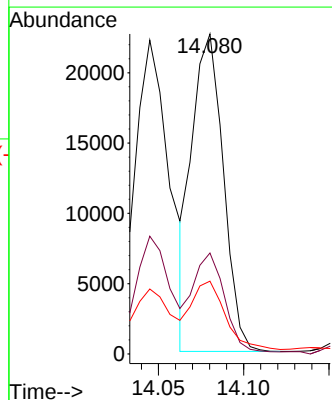
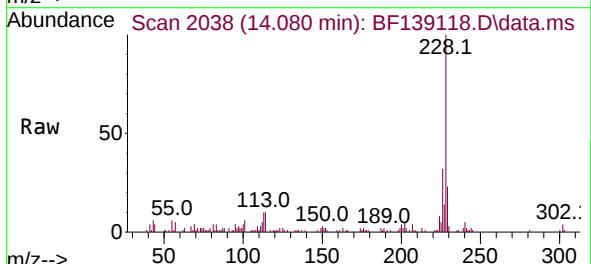
Instrument :
BNA_F
ClientSampleId :
914-J-SD-0-0.5-081624

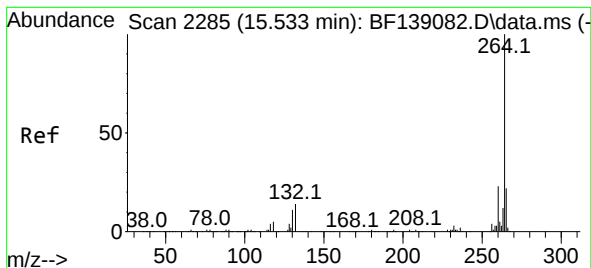
Tgt Ion:228 Resp: 32885
Ion Ratio Lower Upper
228 100
226 37.5 21.9 32.9#
229 20.7 16.1 24.1



#83
Chrysene
Concen: 2.489 ng
RT: 14.080 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF139118.D
Acq: 22 Aug 2024 12:52

Tgt Ion:228 Resp: 28850
Ion Ratio Lower Upper
228 100
226 31.5 24.3 36.5
229 22.7 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139118.D

Acq: 22 Aug 2024 12:52

Instrument :

BNA_F

ClientSampleId :

914-J-SD-0-0.5-081624

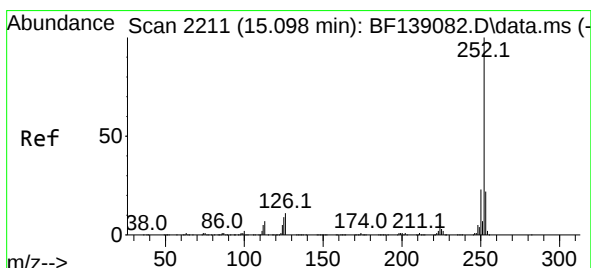
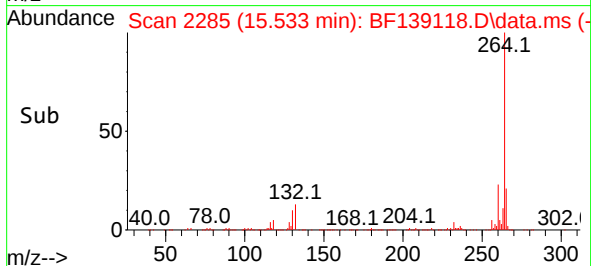
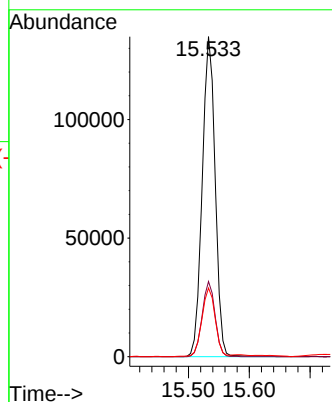
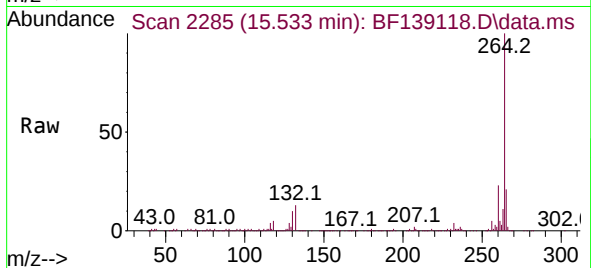
Tgt Ion:264 Resp: 198854

Ion Ratio Lower Upper

264 100

260 23.5 18.6 27.8

265 21.5 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 2.645 ng m

RT: 15.098 min Scan# 2211

Delta R.T. -0.000 min

Lab File: BF139118.D

Acq: 22 Aug 2024 12:52

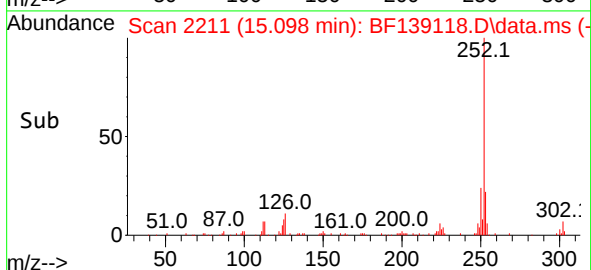
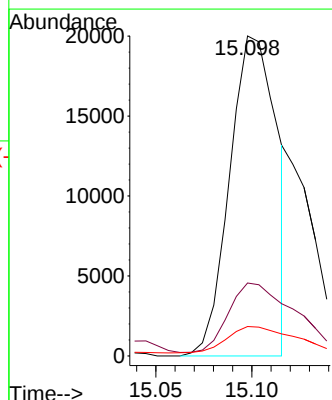
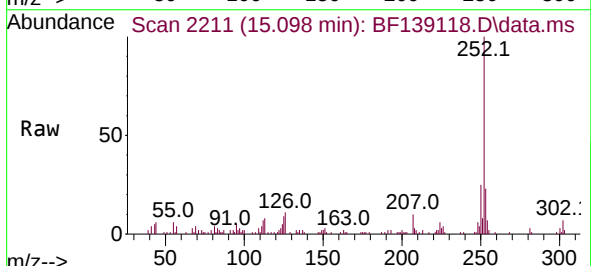
Tgt Ion:252 Resp: 34287

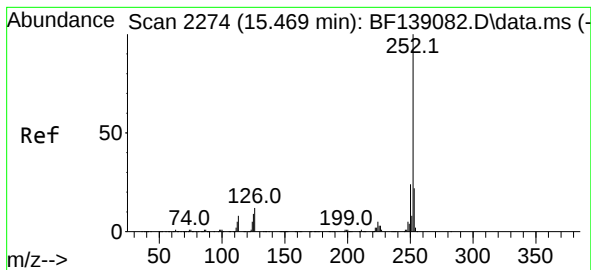
Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.2

125 9.2 7.0 10.6





#90

Benzo(a)pyrene

Concen: 2.409 ng

RT: 15.468 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139118.D

Acq: 22 Aug 2024 12:52

Instrument :

BNA_F

ClientSampleId :

914-J-SD-0-0.5-081624

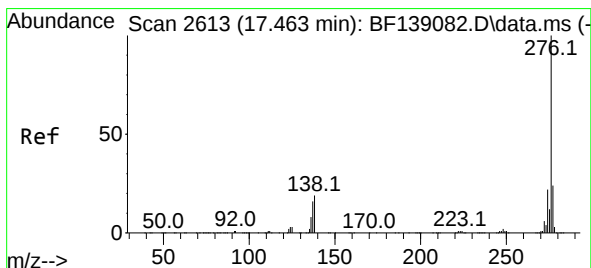
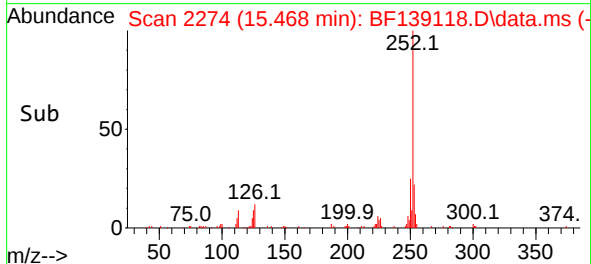
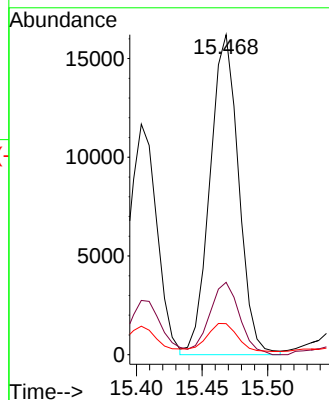
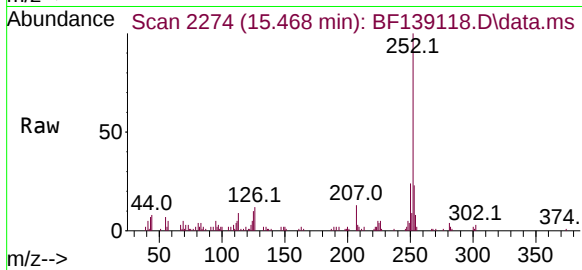
Tgt Ion:252 Resp: 24673

Ion Ratio Lower Upper

252 100

253 22.6 17.3 25.9

125 9.7 7.4 11.2



#92

Benzo(g,h,i)perylene

Concen: 3.988 ng

RT: 17.451 min Scan# 2611

Delta R.T. -0.012 min

Lab File: BF139118.D

Acq: 22 Aug 2024 12:52

Tgt Ion:276 Resp: 13835

Ion Ratio Lower Upper

276 100

277 23.8 18.8 28.2

138 18.1 15.0 22.4

