

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101124\
 Data File : BF139785.D
 Acq On : 11 Oct 2024 20:05
 Operator : RC/JU
 Sample : P4364-05 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-2.0-2.5

Quant Time: Oct 12 02:02:19 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 02 04:58:47 2024
 Response via : Initial Calibration

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

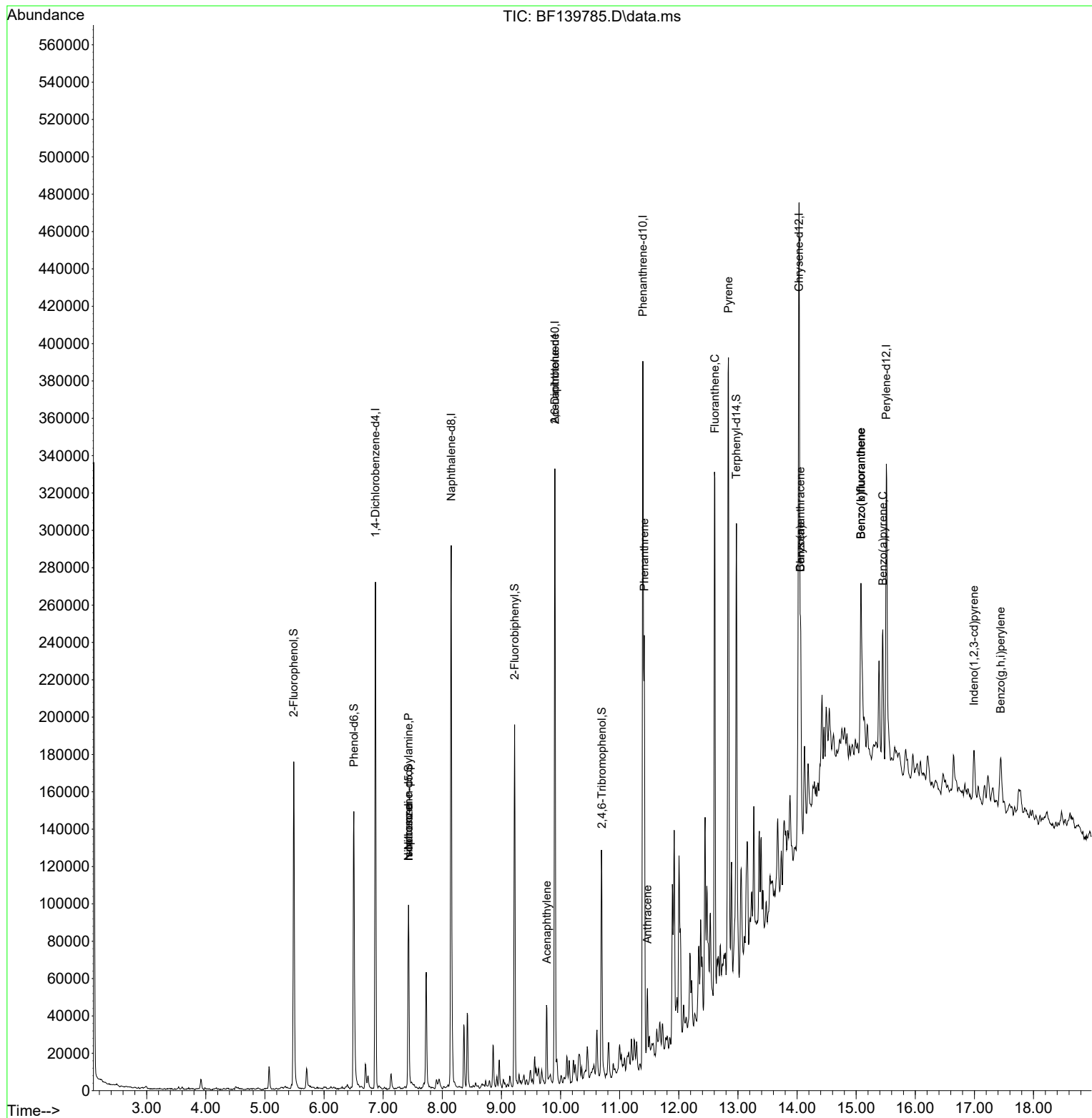
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	53843	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	176510	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	95756	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	193768	20.000	ng	0.00
76) Chrysene-d12	14.033	240	118131	20.000	ng	0.00
86) Perylene-d12	15.510	264	91773	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	65452	21.069	ng	0.00
7) Phenol-d6	6.504	99	76106	18.218	ng	0.00
23) Nitrobenzene-d5	7.428	82	42765	12.267	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	17660	19.105	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	83209	13.340	ng	0.00
79) Terphenyl-d14	12.975	244	104849	14.563	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	5557	2.069	ng	# 79
25) Isophorone	7.428	82	41214	6.656	ng	# 66
49) Acenaphthylene	9.769	152	23706	2.920	ng	99
51) 2,6-Dinitrotoluene	9.904	165	12393	8.752	ng	# 19
71) Phenanthrene	11.416	178	113796	12.455	ng	98
72) Anthracene	11.469	178	23025	2.547	ng	99
75) Fluoranthene	12.610	202	159342	15.954	ng	99
78) Pyrene	12.839	202	193222	18.288	ng	99
81) Benzo(a)anthracene	14.057	228	65292	8.407	ng	93
83) Chrysene	14.057	228	65292	9.195	ng	96
87) Indeno(1,2,3-cd)pyrene	16.992	276	21395	3.961	ng	96
88) Benzo(b)fluoranthene	15.080	252	67887	11.441	ng	# 94
89) Benzo(k)fluoranthene	15.080	252	67887	13.487	ng	# 95
90) Benzo(a)pyrene	15.451	252	40163	8.584	ng	# 93
92) Benzo(g,h,i)perylene	17.445	276	24162	5.378	ng	93

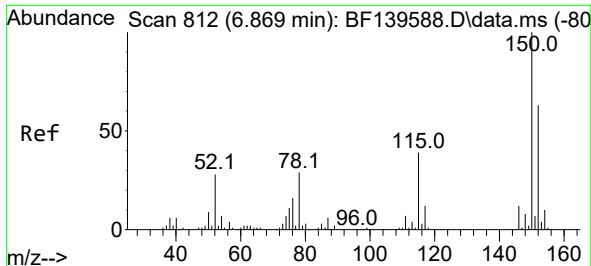
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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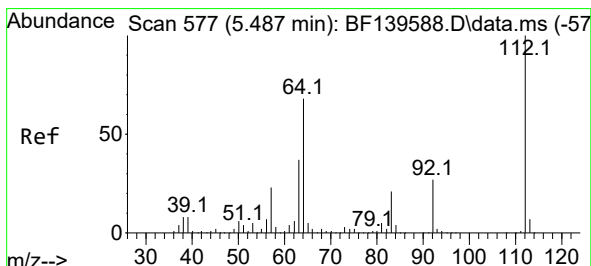
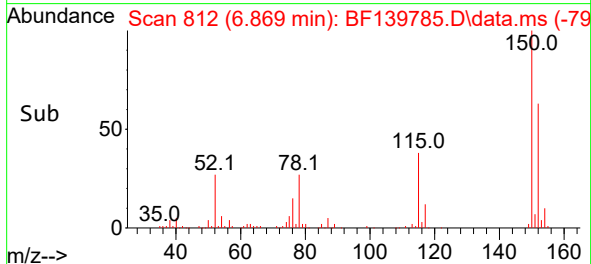
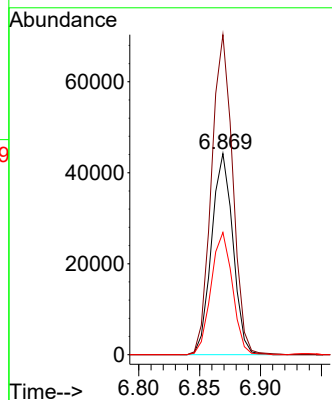
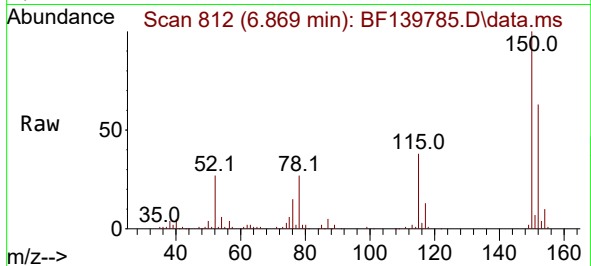




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 812
Delta R.T. 0.000 min
Lab File: BF139785.D
Acq: 11 Oct 2024 20:05

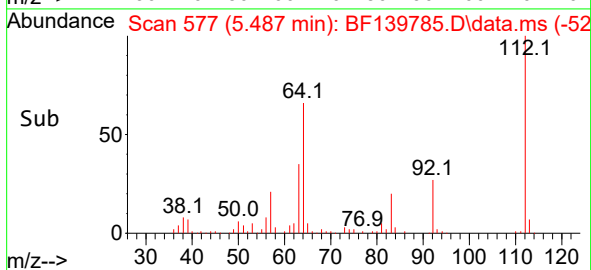
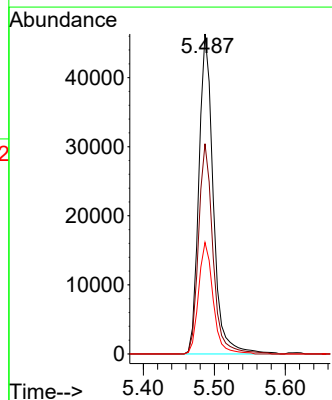
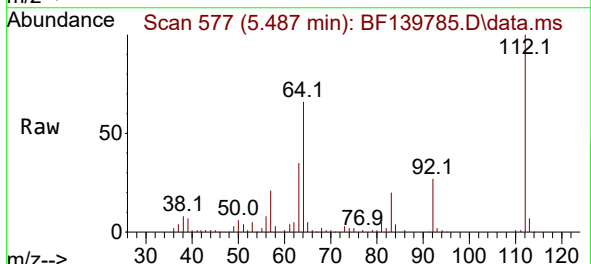
Instrument :
BNA_F
ClientSampleId :
SB-02-2.0-2.5

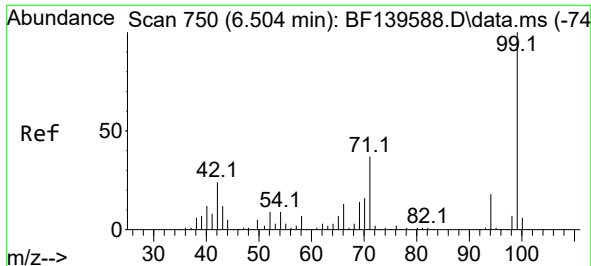
Tgt Ion:152 Resp: 53843
Ion Ratio Lower Upper
152 100
150 159.1 127.2 190.8
115 60.8 49.0 73.4



#5
2-Fluorophenol
Concen: 21.069 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.000 min
Lab File: BF139785.D
Acq: 11 Oct 2024 20:05

Tgt Ion:112 Resp: 65452
Ion Ratio Lower Upper
112 100
64 65.7 54.2 81.4
63 34.9 29.4 44.2

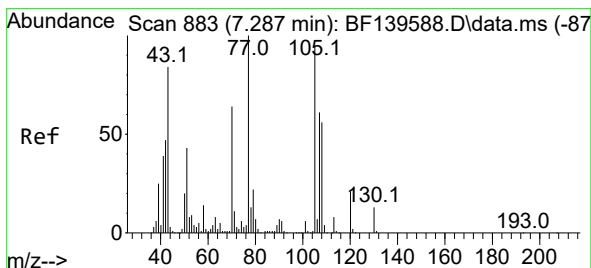
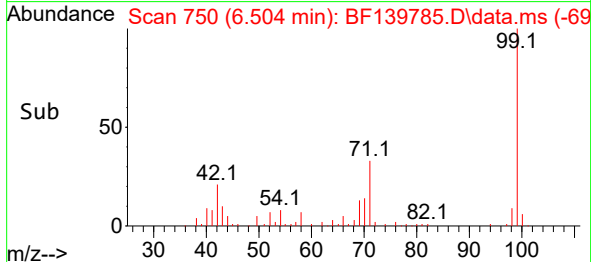
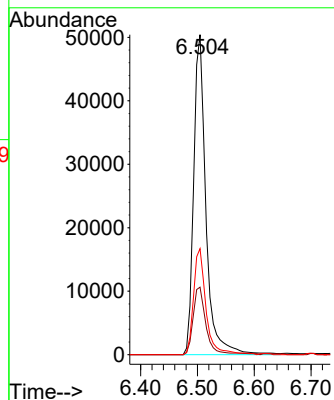
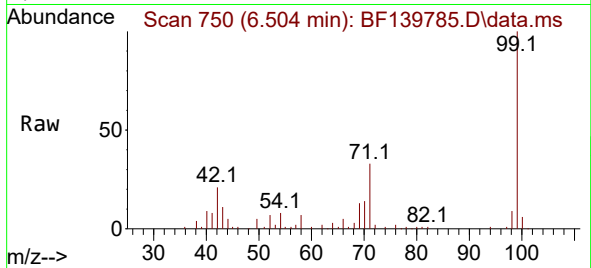




#7
Phenol-d6
Concen: 18.218 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF139785.D
Acq: 11 Oct 2024 20:05

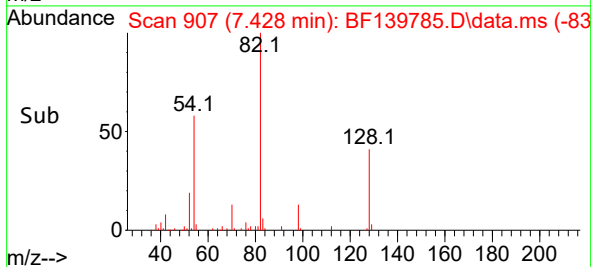
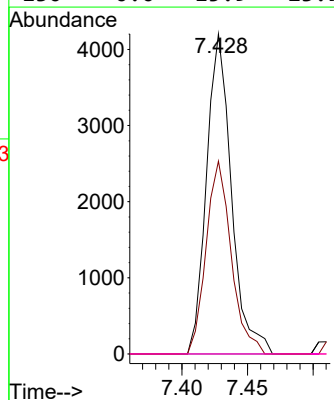
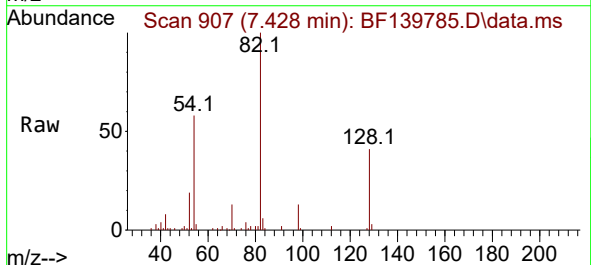
Instrument :
BNA_F
ClientSampleId :
SB-02-2.0-2.5

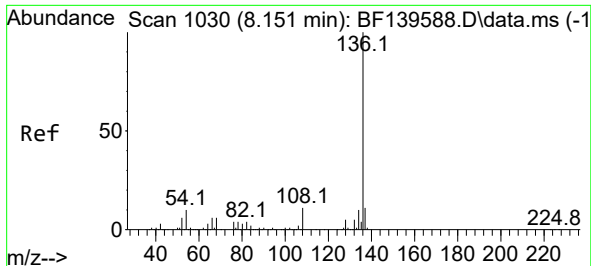
Tgt Ion: 99 Resp: 76106
Ion Ratio Lower Upper
99 100
42 21.1 19.1 28.7
71 33.2 29.7 44.5



#19
n-Nitroso-di-n-propylamine
Concen: 2.069 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.141 min
Lab File: BF139785.D
Acq: 11 Oct 2024 20:05

Tgt Ion: 70 Resp: 5557
Ion Ratio Lower Upper
70 100
42 60.2 58.0 87.0
101 0.0 7.8 11.8#
130 0.0 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.151 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF139785.D

Acq: 11 Oct 2024 20:05

Instrument :

BNA_F

ClientSampleId :

SB-02-2.0-2.5

Tgt Ion:136 Resp: 176510

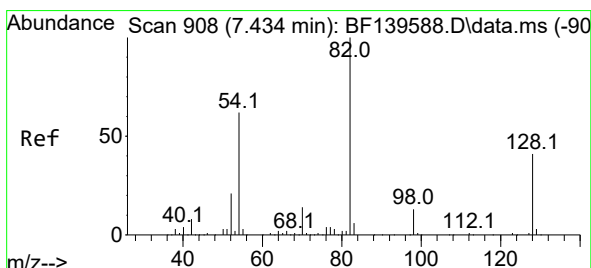
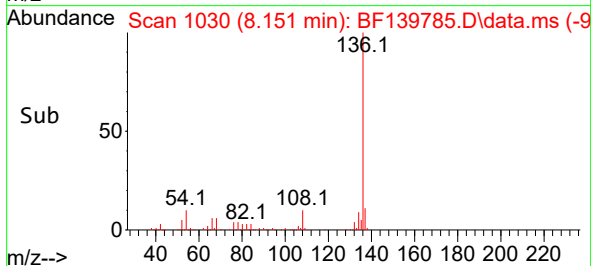
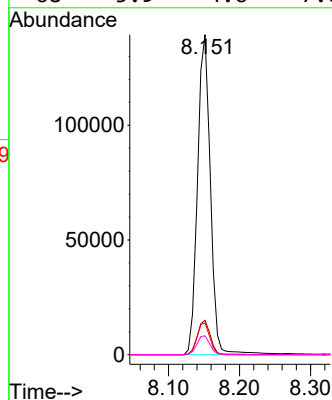
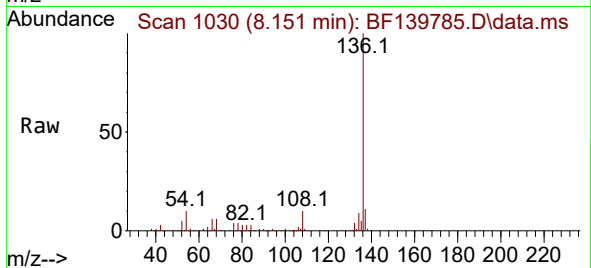
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 9.9 8.3 12.5

68 5.9 4.6 7.0



#23

Nitrobenzene-d5

Concen: 12.267 ng

RT: 7.428 min Scan# 907

Delta R.T. -0.006 min

Lab File: BF139785.D

Acq: 11 Oct 2024 20:05

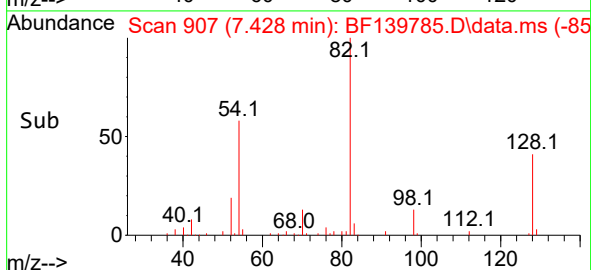
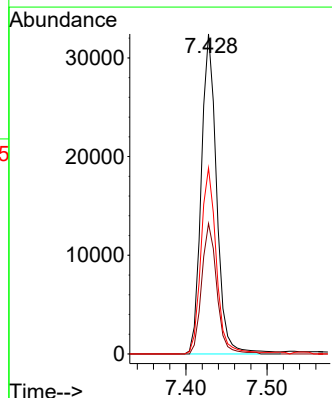
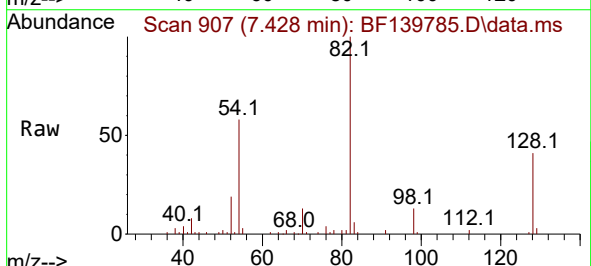
Tgt Ion: 82 Resp: 42765

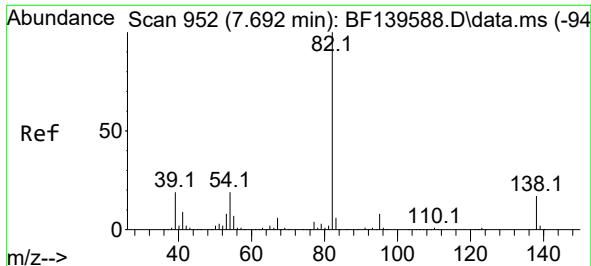
Ion Ratio Lower Upper

82 100

128 40.7 32.4 48.6

54 58.1 49.1 73.7

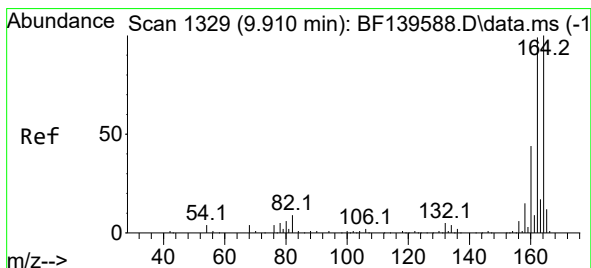
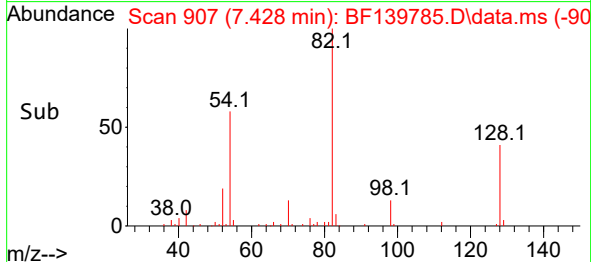
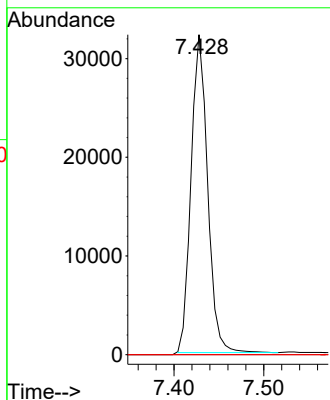
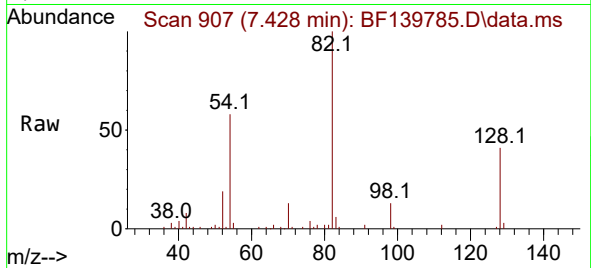




#25
Isophorone
Concen: 6.656 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF139785.D
Acq: 11 Oct 2024 20:05

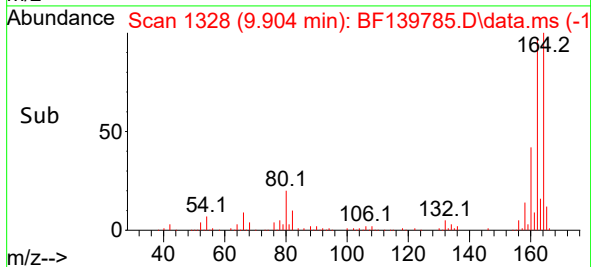
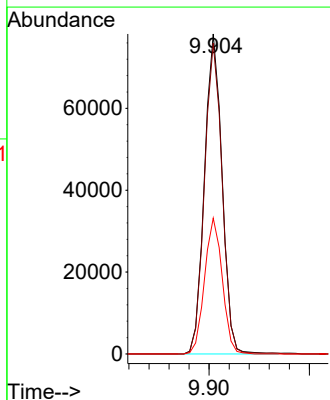
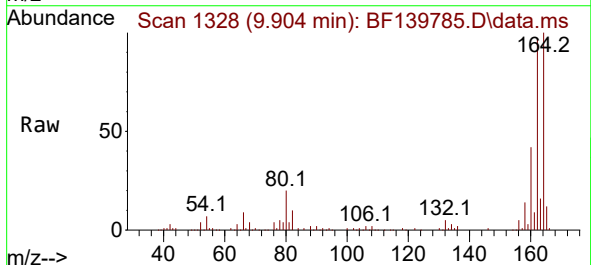
Instrument :
BNA_F
ClientSampleId :
SB-02-2.0-2.5

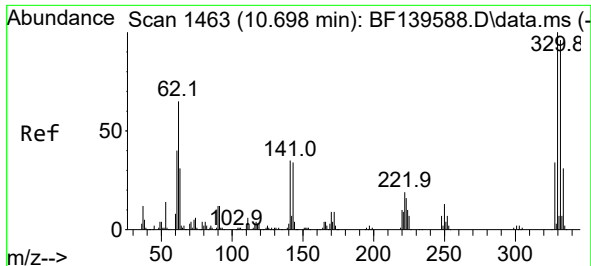
Tgt Ion: 82 Resp: 41214
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 13.4 20.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF139785.D
Acq: 11 Oct 2024 20:05

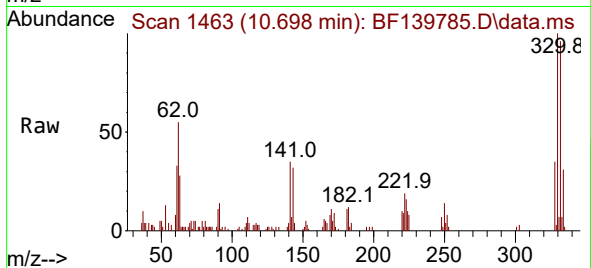
Tgt Ion:164 Resp: 95756
Ion Ratio Lower Upper
164 100
162 97.2 79.4 119.0
160 42.5 35.1 52.7



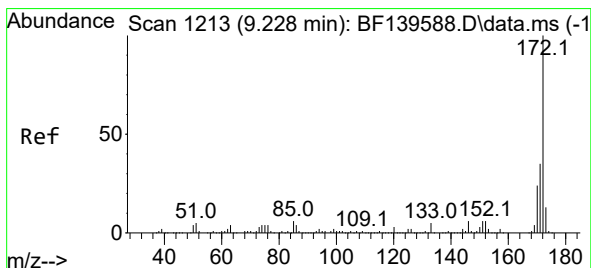
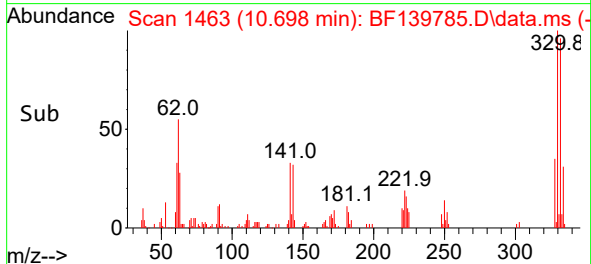
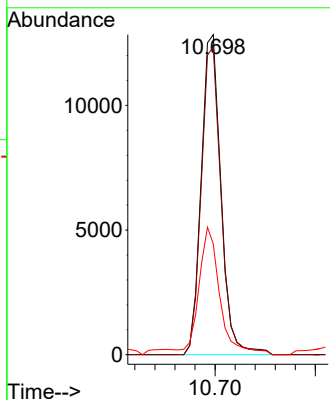


#42
2,4,6-Tribromophenol
Concen: 19.105 ng
RT: 10.698 min Scan# 1463
Delta R.T. 0.000 min
Lab File: BF139785.D
Acq: 11 Oct 2024 20:05

Instrument :
BNA_F
ClientSampleId :
SB-02-2.0-2.5

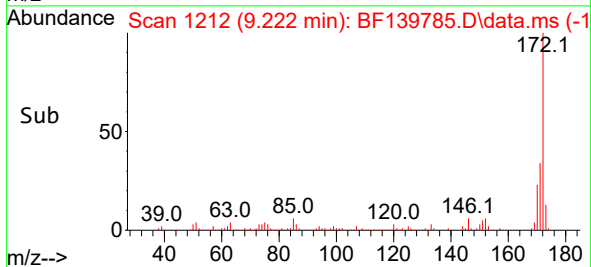
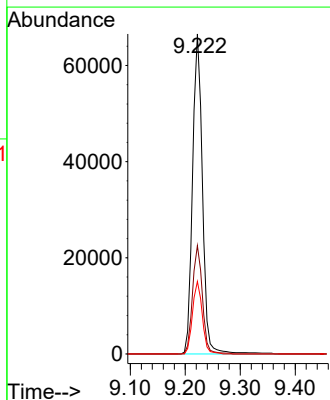
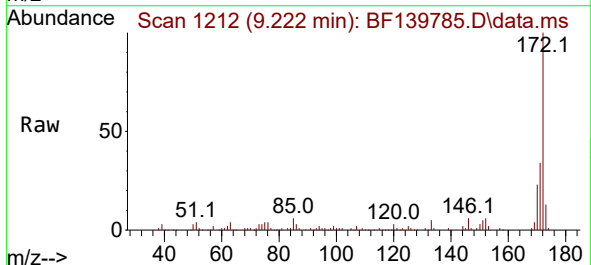


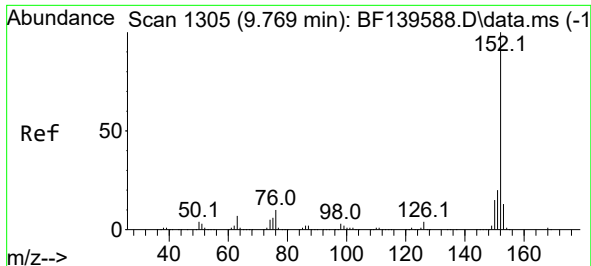
Tgt Ion:330 Resp: 17660
Ion Ratio Lower Upper
330 100
332 95.8 76.5 114.7
141 42.1 29.3 43.9



#45
2-Fluorobiphenyl
Concen: 13.340 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF139785.D
Acq: 11 Oct 2024 20:05

Tgt Ion:172 Resp: 83209
Ion Ratio Lower Upper
172 100
171 33.8 28.2 42.4
170 22.6 18.8 28.2





#49

Acenaphthylene

Concen: 2.920 ng

RT: 9.769 min Scan# 1305

Delta R.T. 0.000 min

Lab File: BF139785.D

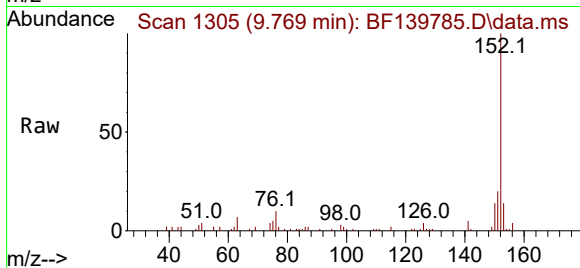
Acq: 11 Oct 2024 20:05

Instrument :

BNA_F

ClientSampleId :

SB-02-2.0-2.5



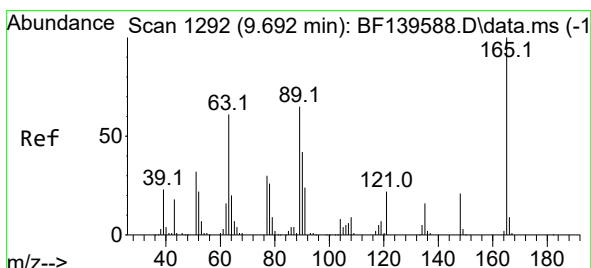
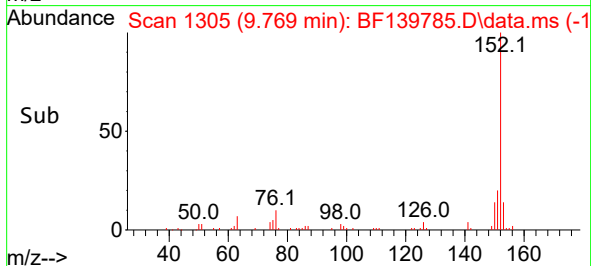
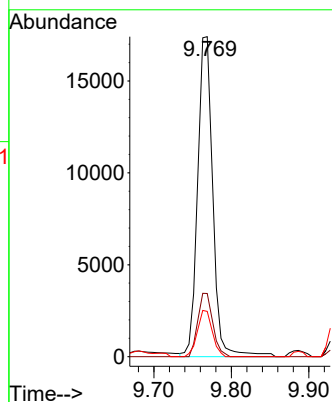
Tgt Ion:152 Resp: 23706

Ion Ratio Lower Upper

152 100

151 19.7 16.0 24.0

153 14.2 10.5 15.7



#51

2,6-Dinitrotoluene

Concen: 8.752 ng

RT: 9.904 min Scan# 1328

Delta R.T. 0.212 min

Lab File: BF139785.D

Acq: 11 Oct 2024 20:05

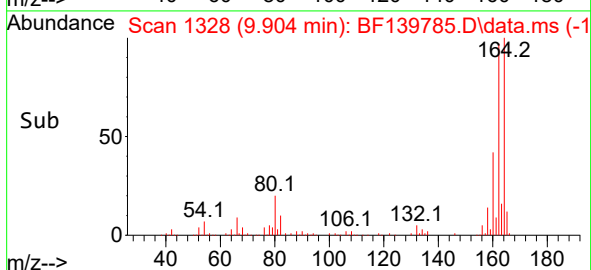
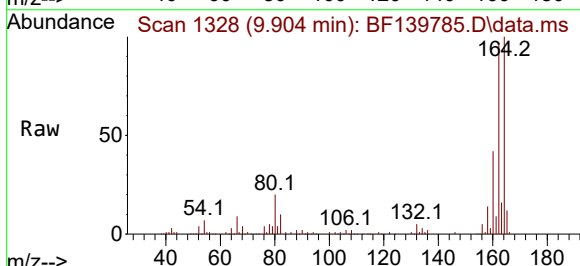
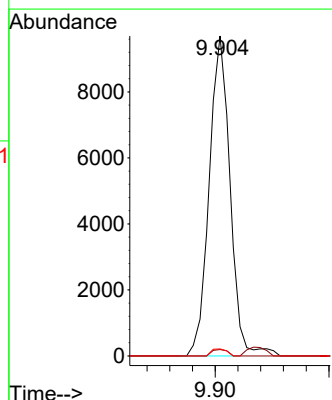
Tgt Ion:165 Resp: 12393

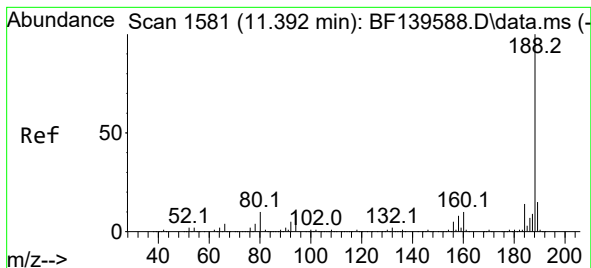
Ion Ratio Lower Upper

165 100

63 2.0 56.7 85.1#

89 2.2 51.6 77.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF139785.D

Acq: 11 Oct 2024 20:05

Instrument :

BNA_F

ClientSampleId :

SB-02-2.0-2.5

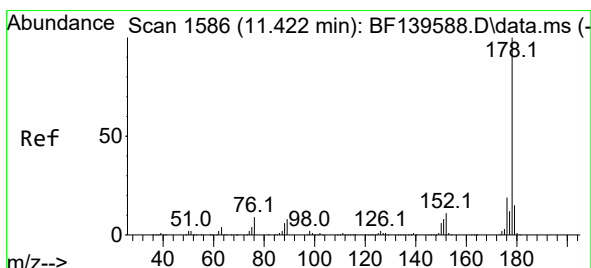
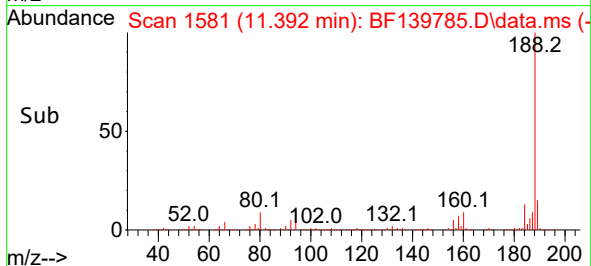
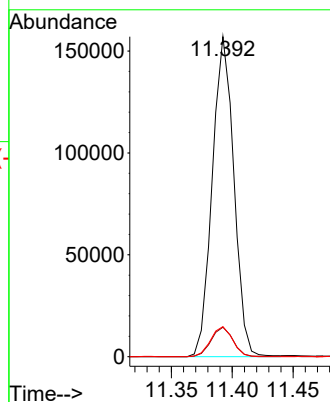
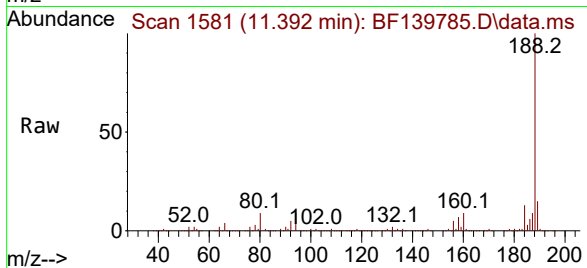
Tgt Ion:188 Resp: 193768

Ion Ratio Lower Upper

188 100

94 9.2 7.4 11.2

80 9.4 8.2 12.2



#71

Phenanthrene

Concen: 12.455 ng

RT: 11.416 min Scan# 1585

Delta R.T. -0.006 min

Lab File: BF139785.D

Acq: 11 Oct 2024 20:05

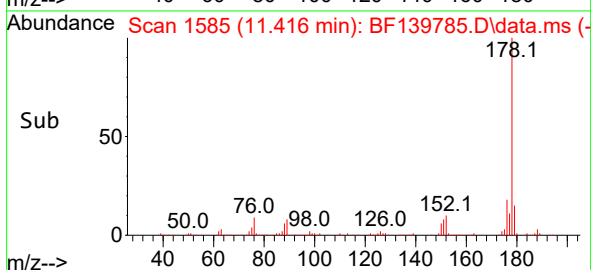
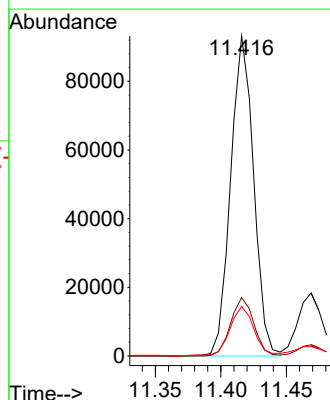
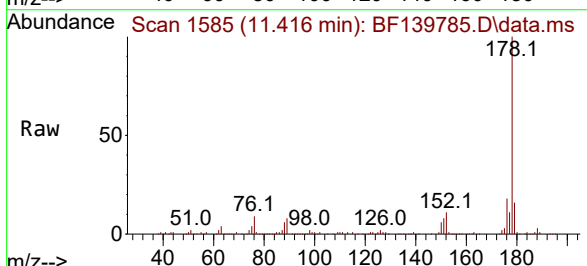
Tgt Ion:178 Resp: 113796

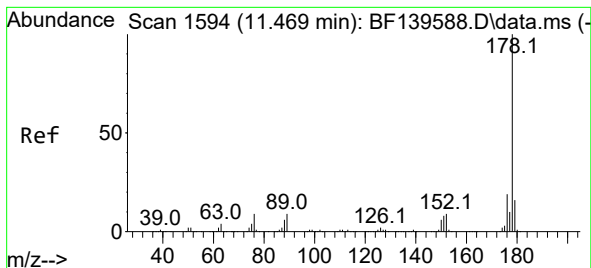
Ion Ratio Lower Upper

178 100

176 18.3 15.5 23.3

179 15.5 12.3 18.5





#72

Anthracene

Concen: 2.547 ng

RT: 11.469 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF139785.D

Acq: 11 Oct 2024 20:05

Instrument :

BNA_F

ClientSampleId :

SB-02-2.0-2.5

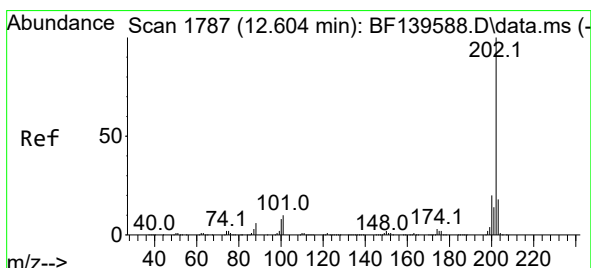
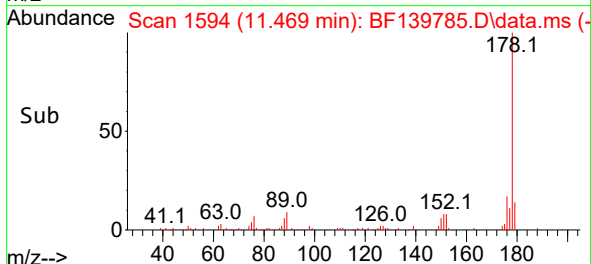
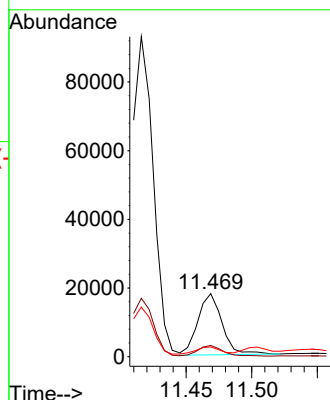
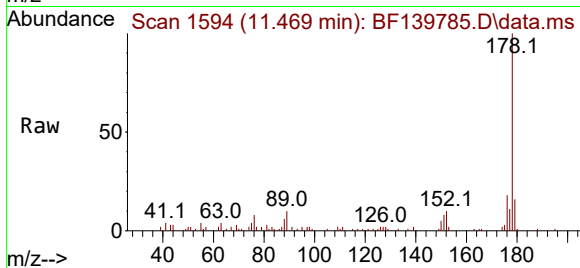
Tgt Ion:178 Resp: 23025

Ion Ratio Lower Upper

178 100

176 17.8 15.1 22.7

179 15.6 12.5 18.7



#75

Fluoranthene

Concen: 15.954 ng

RT: 12.610 min Scan# 1788

Delta R.T. 0.006 min

Lab File: BF139785.D

Acq: 11 Oct 2024 20:05

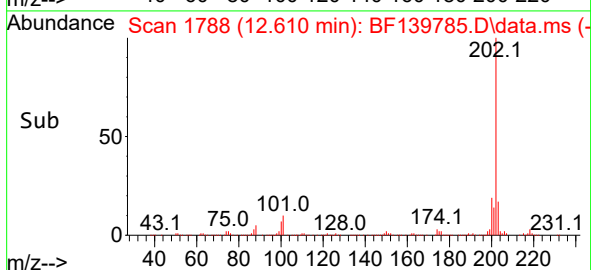
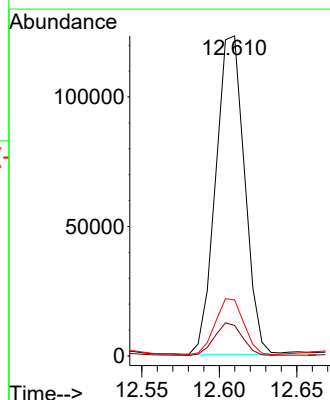
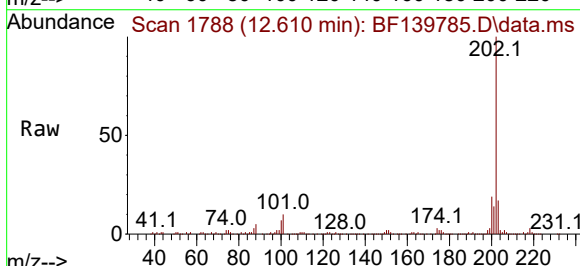
Tgt Ion:202 Resp: 159342

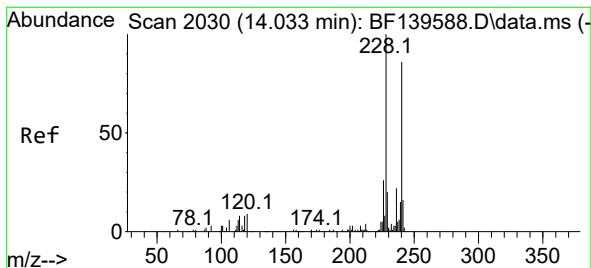
Ion Ratio Lower Upper

202 100

101 9.6 0.0 30.2

203 17.5 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2030

Delta R.T. 0.000 min

Lab File: BF139785.D

Acq: 11 Oct 2024 20:05

Instrument :

BNA_F

ClientSampleId :

SB-02-2.0-2.5

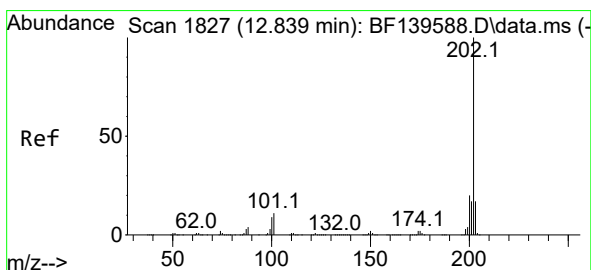
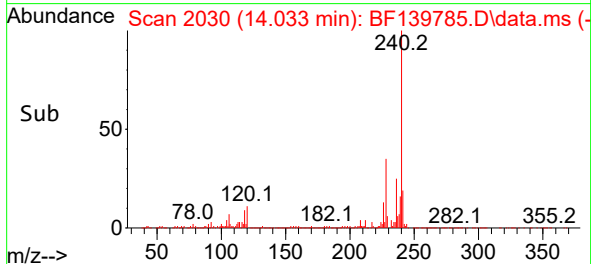
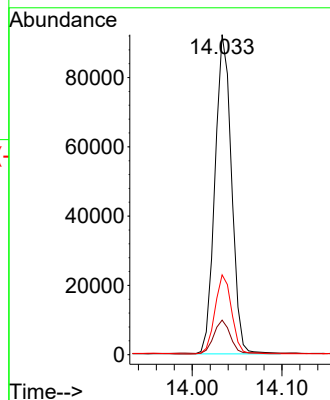
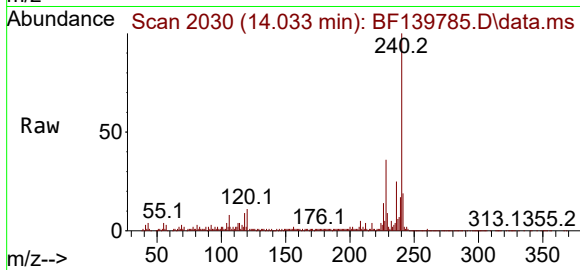
Tgt Ion:240 Resp: 118131

Ion Ratio Lower Upper

240 100

120 10.8 8.4 12.6

236 25.0 20.3 30.5



#78

Pyrene

Concen: 18.288 ng

RT: 12.839 min Scan# 1827

Delta R.T. 0.000 min

Lab File: BF139785.D

Acq: 11 Oct 2024 20:05

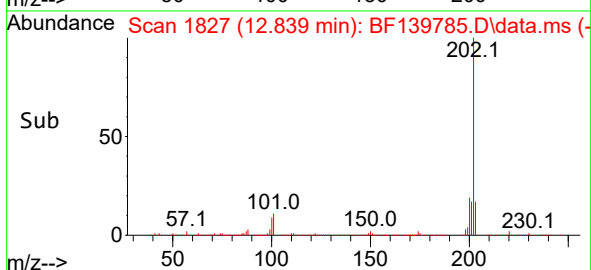
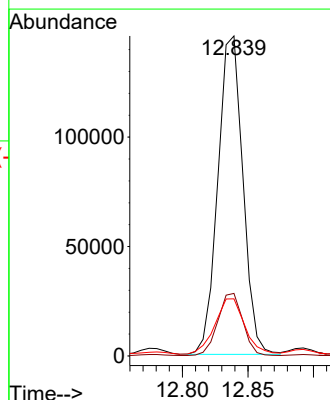
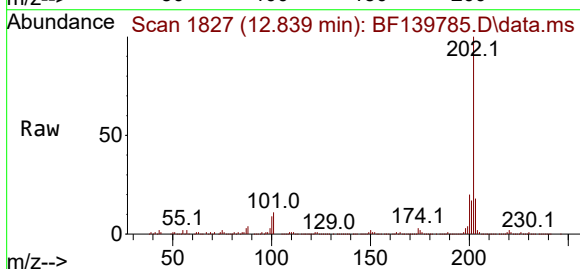
Tgt Ion:202 Resp: 193222

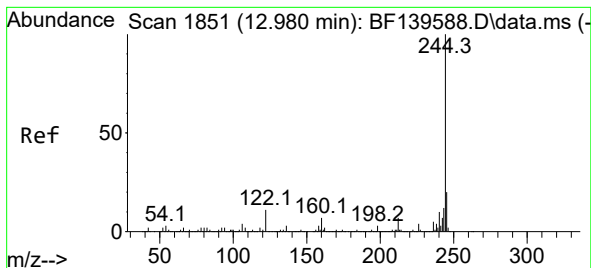
Ion Ratio Lower Upper

202 100

200 19.5 15.8 23.6

203 17.9 13.8 20.8





#79

Terphenyl-d14

Concen: 14.563 ng

RT: 12.975 min Scan# 11

Delta R.T. -0.005 min

Lab File: BF139785.D

Acq: 11 Oct 2024 20:05

Instrument :

BNA_F

ClientSampleId :

SB-02-2.0-2.5

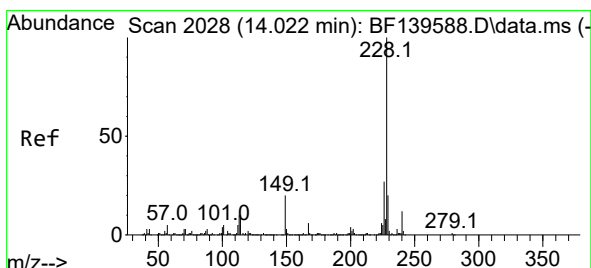
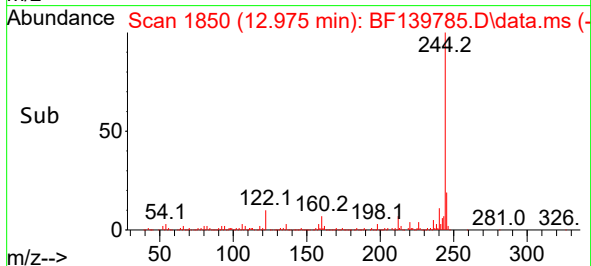
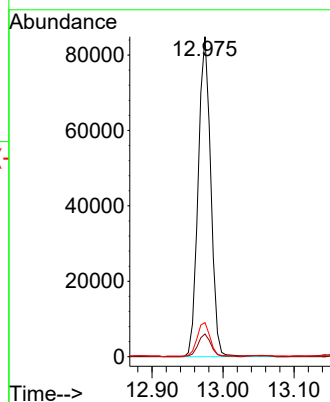
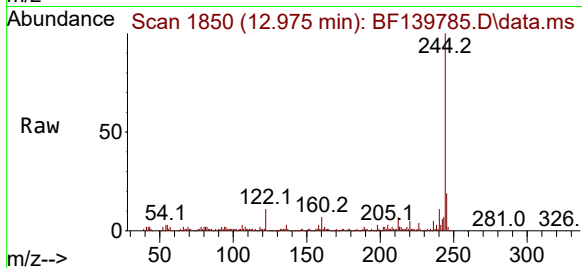
Tgt Ion:244 Resp: 104849

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

122 10.7 8.6 12.8



#81

Benzo(a)anthracene

Concen: 8.407 ng

RT: 14.057 min Scan# 2034

Delta R.T. 0.035 min

Lab File: BF139785.D

Acq: 11 Oct 2024 20:05

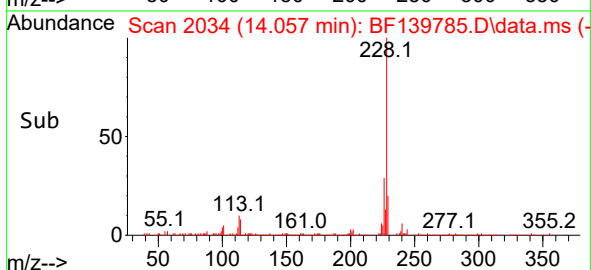
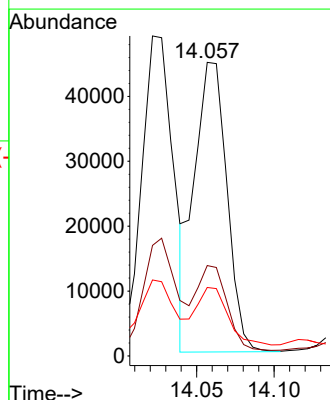
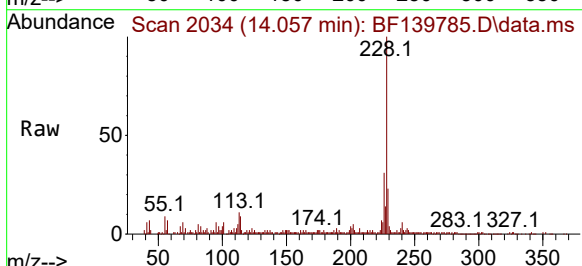
Tgt Ion:228 Resp: 65292

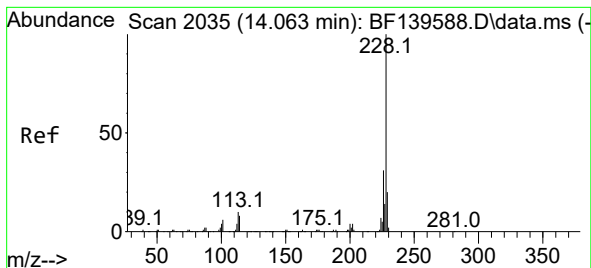
Ion Ratio Lower Upper

228 100

226 30.8 21.8 32.8

229 23.3 15.8 23.8





#83

Chrysene

Concen: 9.195 ng

RT: 14.057 min Scan# 2035

Delta R.T. -0.006 min

Lab File: BF139785.D

Acq: 11 Oct 2024 20:05

Instrument :

BNA_F

ClientSampleId :

SB-02-2.0-2.5

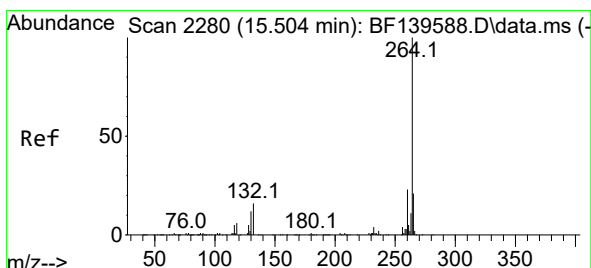
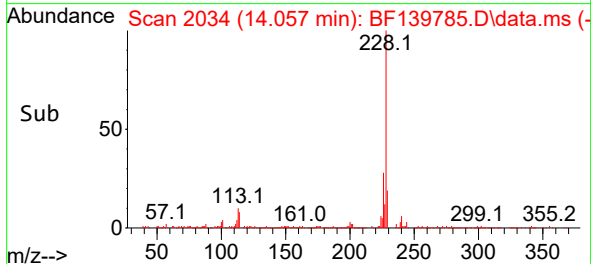
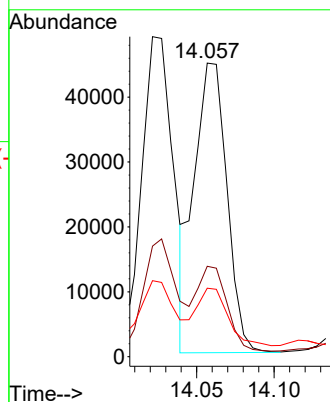
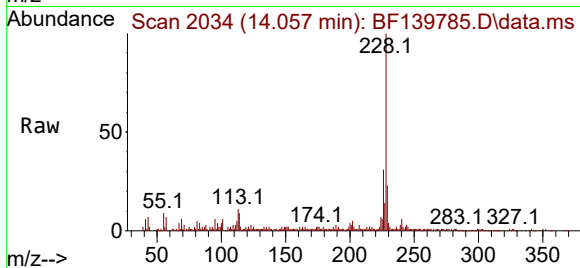
Tgt Ion:228 Resp: 65292

Ion Ratio Lower Upper

228 100

226 30.8 24.3 36.5

229 23.3 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.510 min Scan# 2281

Delta R.T. 0.006 min

Lab File: BF139785.D

Acq: 11 Oct 2024 20:05

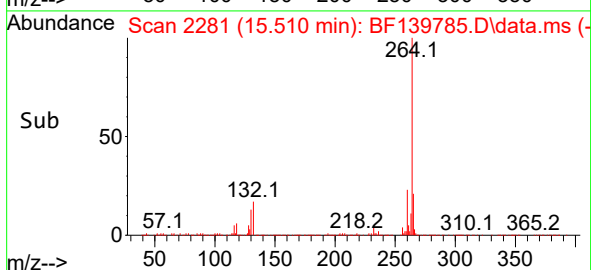
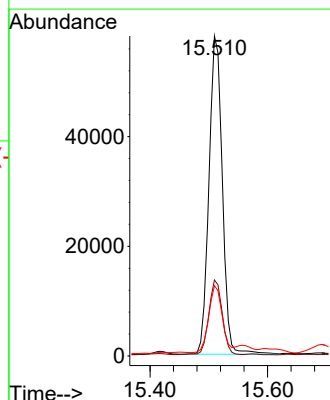
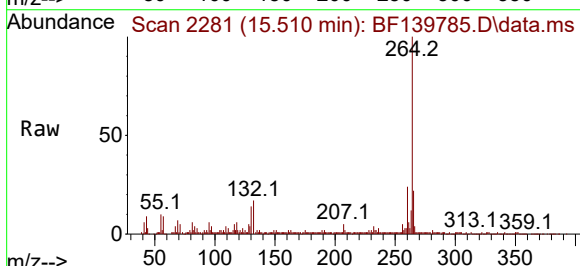
Tgt Ion:264 Resp: 91773

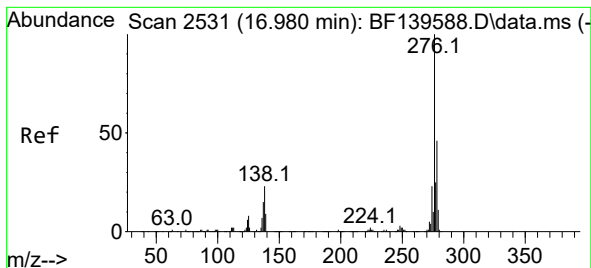
Ion Ratio Lower Upper

264 100

260 23.8 18.7 28.1

265 22.0 16.9 25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.961 ng

RT: 16.992 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF139785.D

Acq: 11 Oct 2024 20:05

Instrument :

BNA_F

ClientSampleId :

SB-02-2.0-2.5

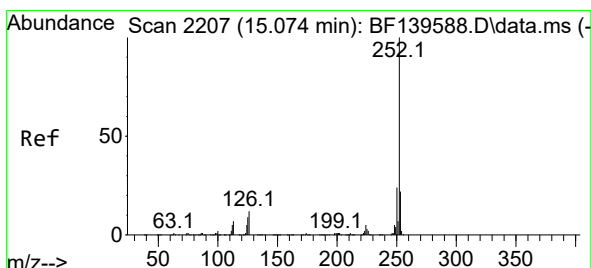
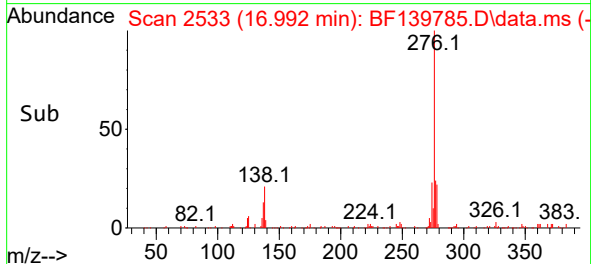
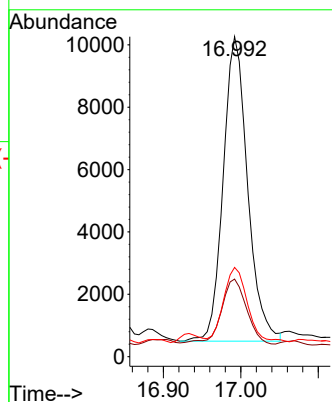
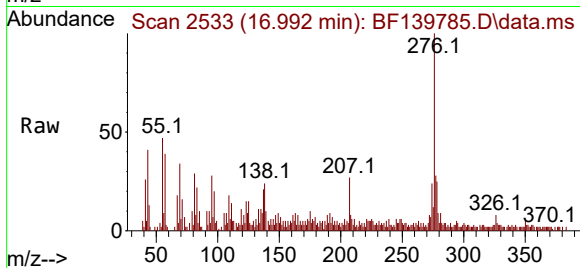
Tgt Ion:276 Resp: 21395

Ion Ratio Lower Upper

276 100

138 22.0 19.4 29.0

277 23.6 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 11.441 ng

RT: 15.080 min Scan# 2208

Delta R.T. 0.006 min

Lab File: BF139785.D

Acq: 11 Oct 2024 20:05

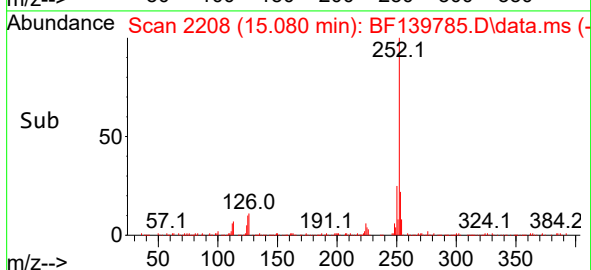
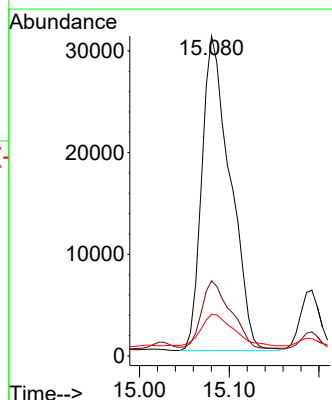
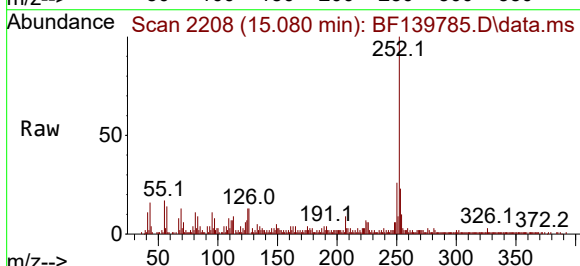
Tgt Ion:252 Resp: 67887

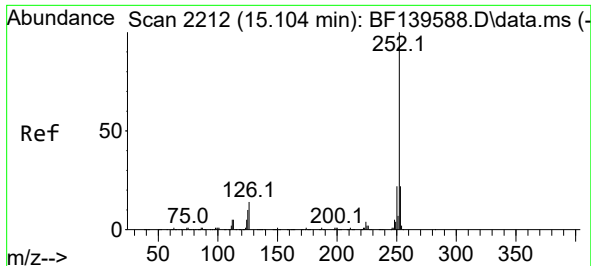
Ion Ratio Lower Upper

252 100

253 23.5 17.4 26.0

125 13.0 7.4 11.0#





#89

Benzo(k)fluoranthene

Concen: 13.487 ng

RT: 15.080 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF139785.D

Acq: 11 Oct 2024 20:05

Instrument :

BNA_F

ClientSampleId :

SB-02-2.0-2.5

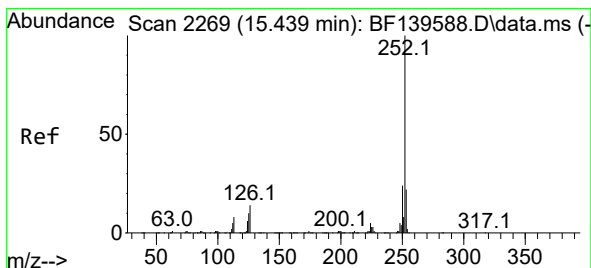
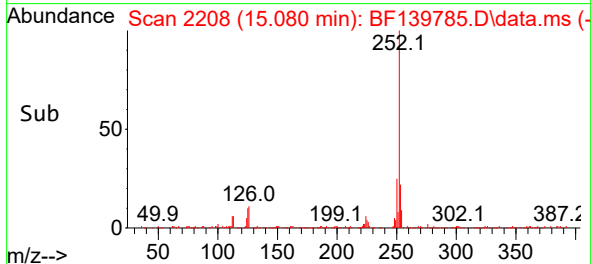
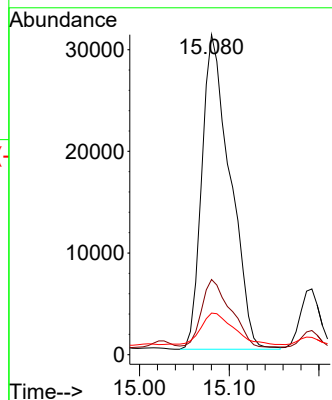
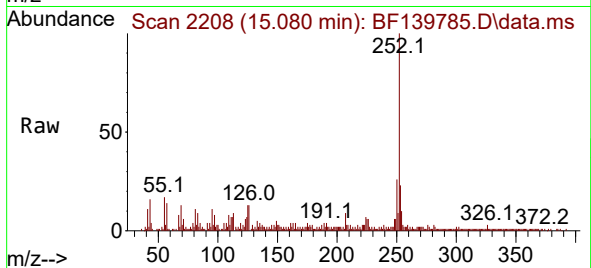
Tgt Ion:252 Resp: 67887

Ion Ratio Lower Upper

252 100

253 23.5 17.5 26.3

125 13.0 7.6 11.4#



#90

Benzo(a)pyrene

Concen: 8.584 ng

RT: 15.451 min Scan# 2271

Delta R.T. 0.012 min

Lab File: BF139785.D

Acq: 11 Oct 2024 20:05

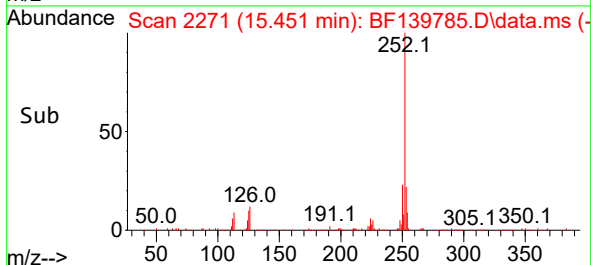
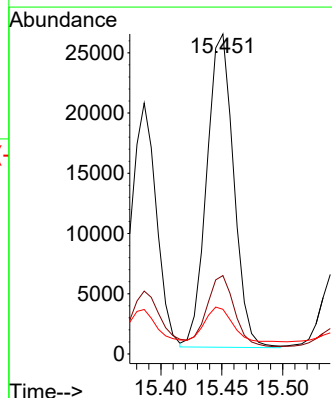
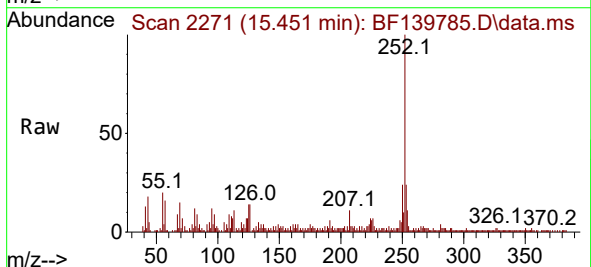
Tgt Ion:252 Resp: 40163

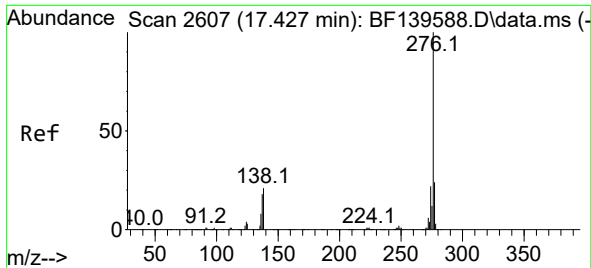
Ion Ratio Lower Upper

252 100

253 24.5 17.3 25.9

125 14.0 8.3 12.5#





#92
 Benzo(g,h,i)perylene
 Concen: 5.378 ng
 RT: 17.445 min Scan# 20
 Delta R.T. 0.018 min
 Lab File: BF139785.D
 Acq: 11 Oct 2024 20:05

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-2.0-2.5

Tgt Ion:	276	Resp:	24162
Ion	Ratio	Lower	Upper
276	100		
277	26.6	19.0	28.6
138	24.8	17.0	25.6

