

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102824\
 Data File : BF140098.D
 Acq On : 28 Oct 2024 20:23
 Operator : RC/JU
 Sample : P4575-01 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-102424

Quant Time: Oct 29 00:55:55 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

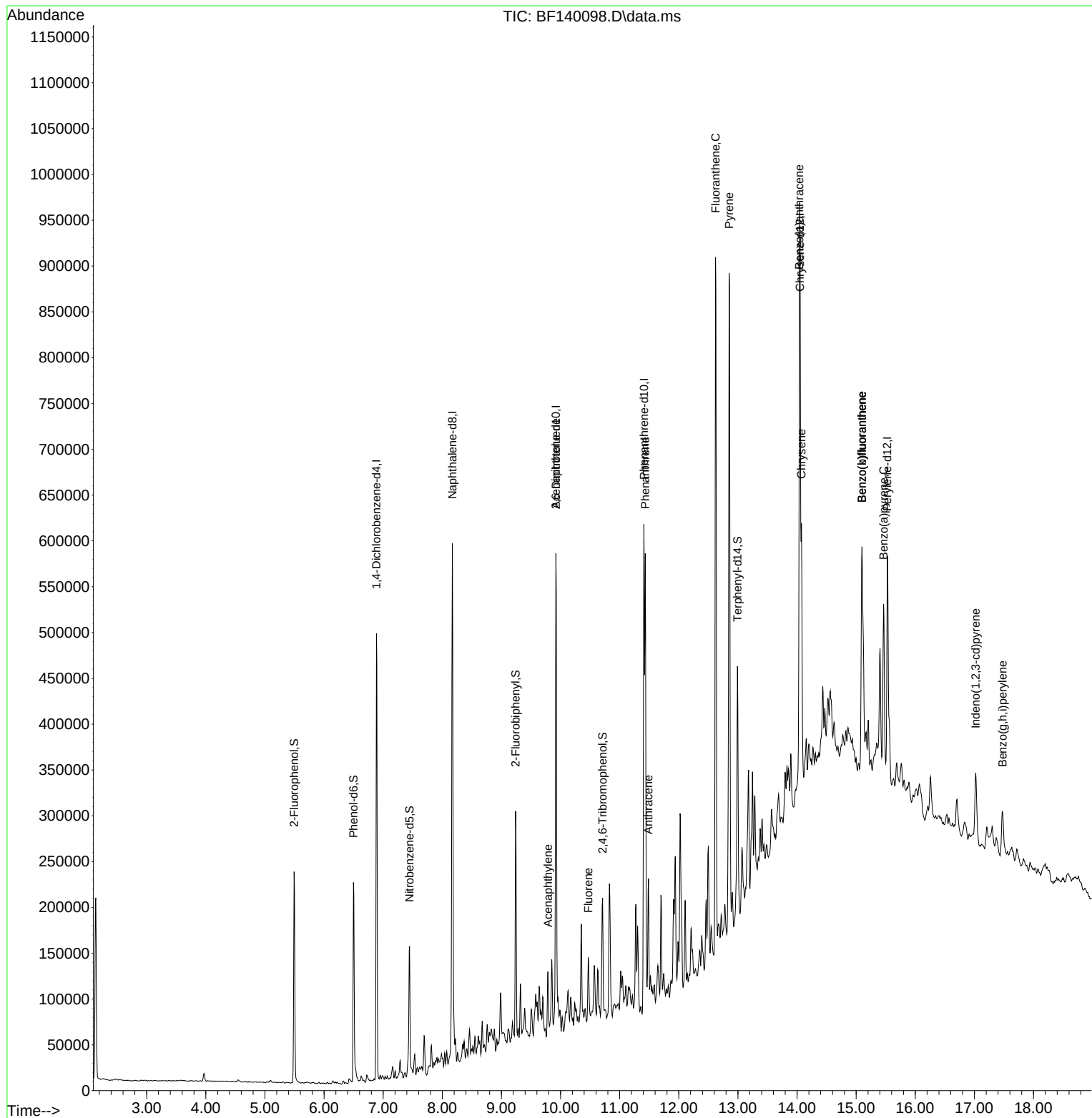
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	97803	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	326504	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	151348	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	272341	20.000	ng	0.00
76) Chrysene-d12	14.051	240	184056	20.000	ng	0.00
86) Perylene-d12	15.527	264	153389	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	84867	13.584	ng	0.00
7) Phenol-d6	6.498	99	100563	12.428	ng	-0.01
23) Nitrobenzene-d5	7.445	82	60287	10.234	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	19249	13.597	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	112782	12.316	ng	-0.01
79) Terphenyl-d14	12.992	244	127924	11.325	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.786	152	31020	2.529	ng	97
51) 2,6-Dinitrotoluene	9.922	165	21146	10.360	ng	# 22
58) Fluorene	10.469	166	24670	2.845	ng	96
71) Phenanthrene	11.433	178	247621	19.249	ng	99
72) Anthracene	11.486	178	83843	6.680	ng	98
75) Fluoranthene	12.622	202	438530	33.721	ng	100
78) Pyrene	12.851	202	418699	25.988	ng	98
81) Benzo(a)anthracene	14.039	228	189393	15.807	ng	94
83) Chrysene	14.074	228	151487	13.790	ng	96
87) Indeno(1,2,3-cd)pyrene	17.021	276	58877	5.967	ng	# 93
88) Benzo(b)fluoranthene	15.098	252	213460	22.845	ng	# 95
89) Benzo(k)fluoranthene	15.098	252	213460	26.490	ng	# 95
90) Benzo(a)pyrene	15.463	252	113744	14.794	ng	96
92) Benzo(g,h,i)perylene	17.474	276	54990	6.688	ng	97

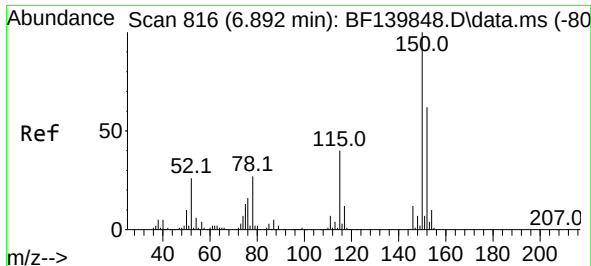
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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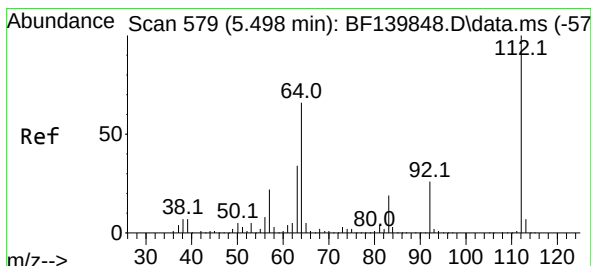
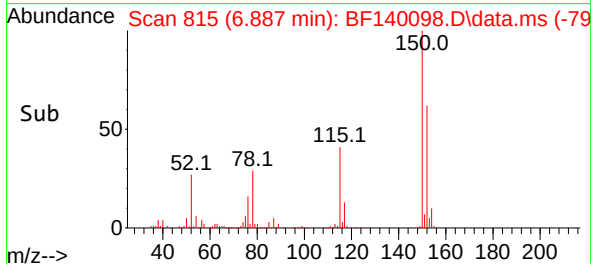
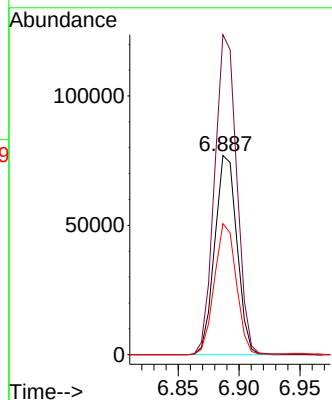
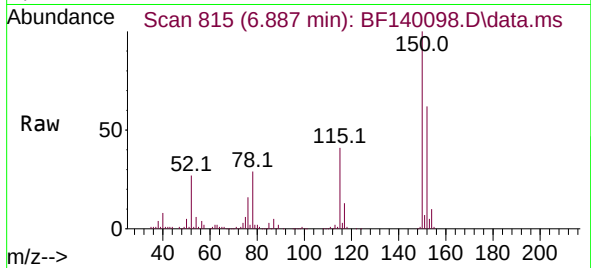




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF140098.D
Acq: 28 Oct 2024 20:23

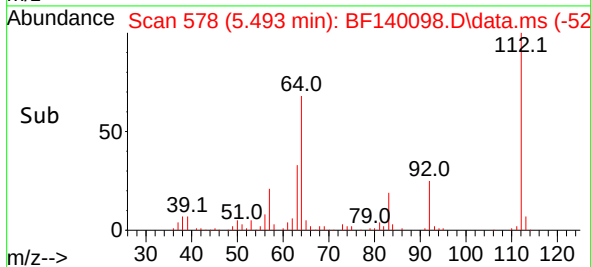
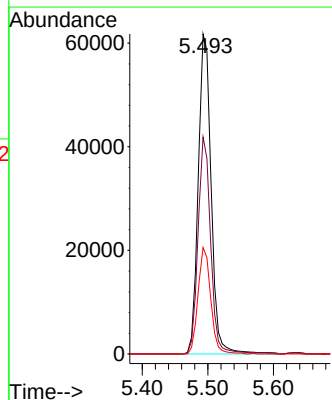
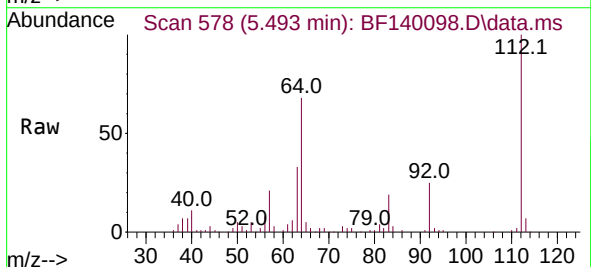
Instrument :
BNA_F
ClientSampleId :
PL-02-102424

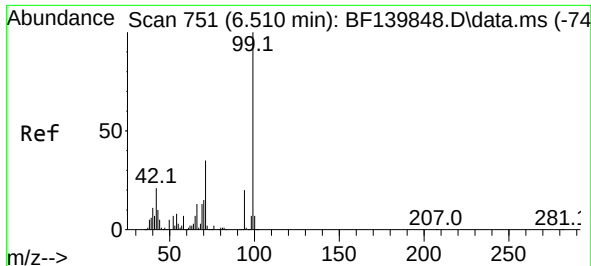
Tgt Ion:152 Resp: 97803
Ion Ratio Lower Upper
152 100
150 160.6 130.2 195.2
115 65.7 51.4 77.2



#5
2-Fluorophenol
Concen: 13.584 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF140098.D
Acq: 28 Oct 2024 20:23

Tgt Ion:112 Resp: 84867
Ion Ratio Lower Upper
112 100
64 67.8 53.0 79.6
63 33.2 27.0 40.4

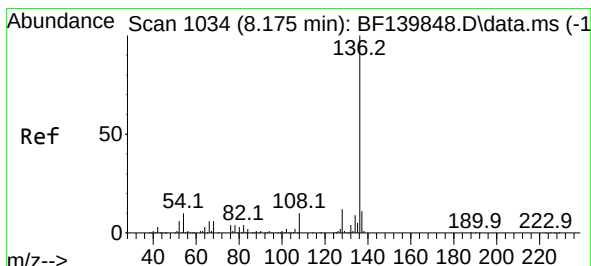
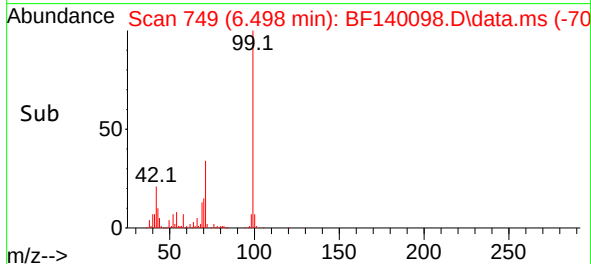
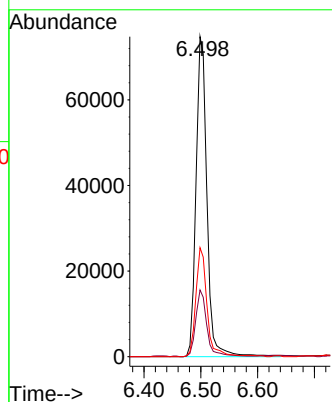
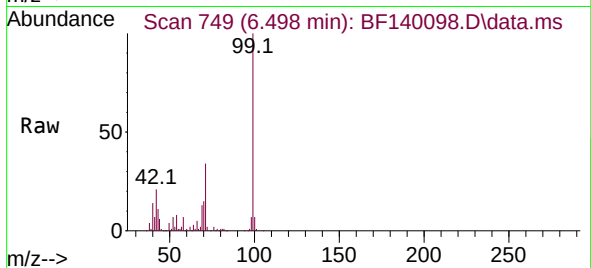




#7
Phenol-d6
Concen: 12.428 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF140098.D
Acq: 28 Oct 2024 20:23

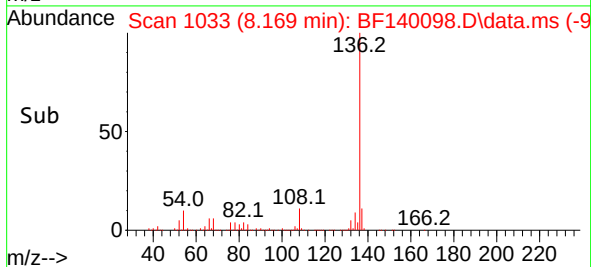
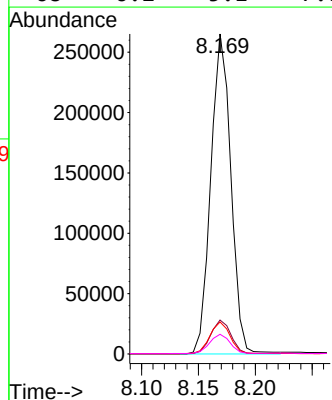
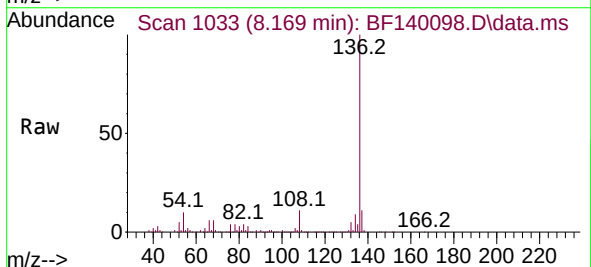
Instrument :
BNA_F
ClientSampleId :
PL-02-102424

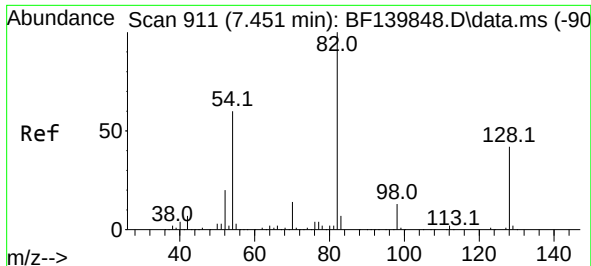
Tgt Ion: 99 Resp: 100563
Ion Ratio Lower Upper
99 100
42 20.8 16.7 25.1
71 34.1 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF140098.D
Acq: 28 Oct 2024 20:23

Tgt Ion:136 Resp: 326504
Ion Ratio Lower Upper
136 100
137 10.6 8.6 12.8
54 10.0 8.4 12.6
68 6.2 5.1 7.7





#23

Nitrobenzene-d5

Concen: 10.234 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF140098.D

Acq: 28 Oct 2024 20:23

Instrument :

BNA_F

ClientSampleId :

PL-02-102424

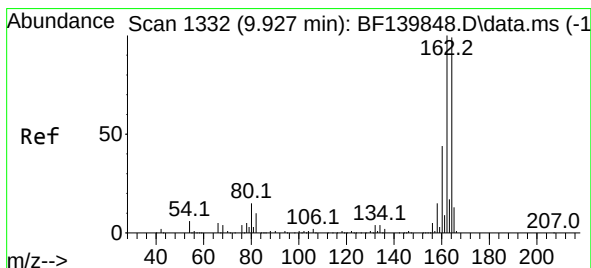
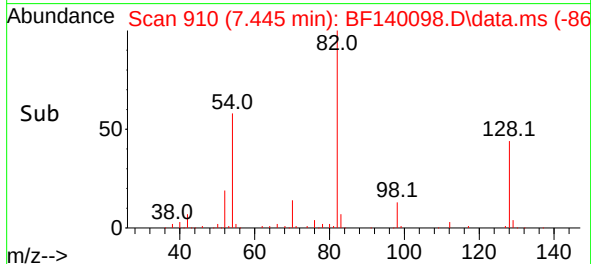
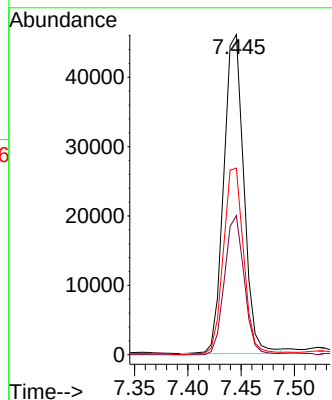
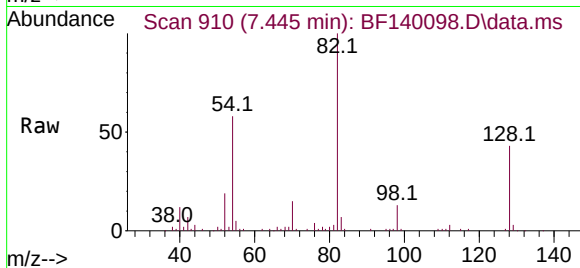
Tgt Ion: 82 Resp: 60287

Ion Ratio Lower Upper

82 100

128 43.4 33.4 50.0

54 58.3 47.8 71.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1331

Delta R.T. -0.005 min

Lab File: BF140098.D

Acq: 28 Oct 2024 20:23

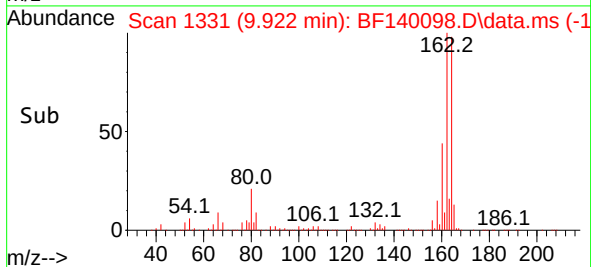
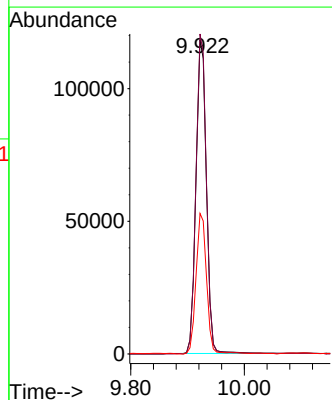
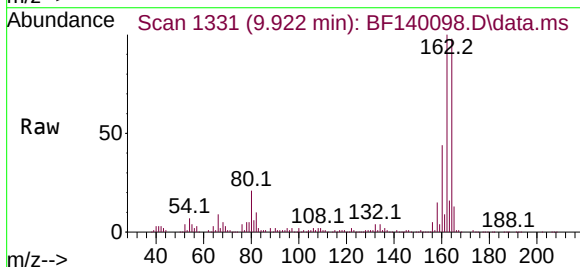
Tgt Ion: 164 Resp: 151348

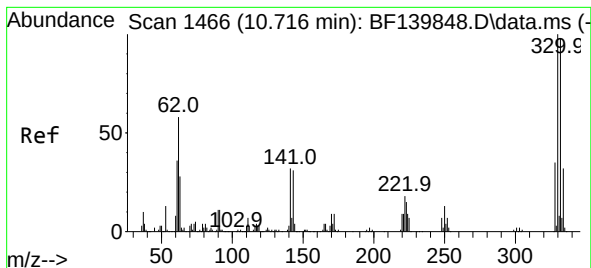
Ion Ratio Lower Upper

164 100

162 101.9 81.0 121.4

160 44.7 35.4 53.0

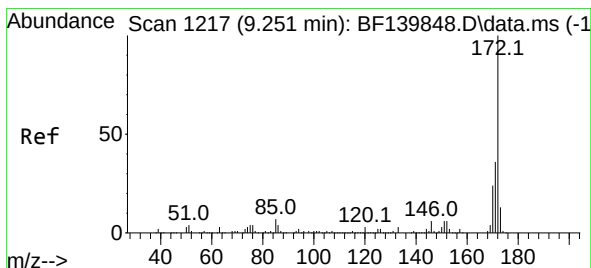
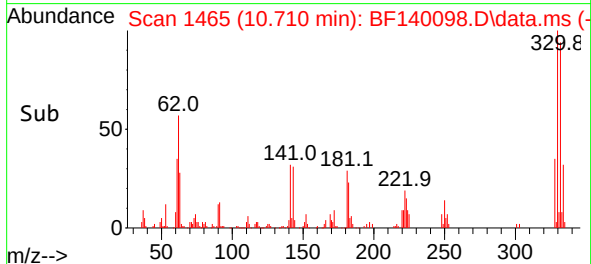
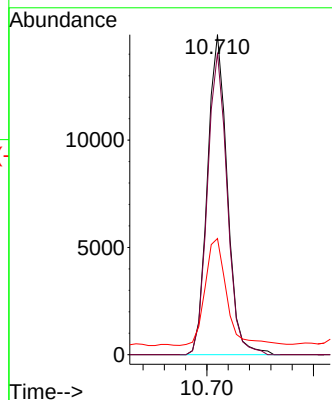
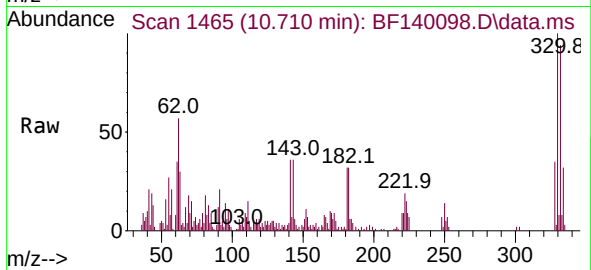




#42
2,4,6-Tribromophenol
Concen: 13.597 ng
RT: 10.710 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF140098.D
Acq: 28 Oct 2024 20:23

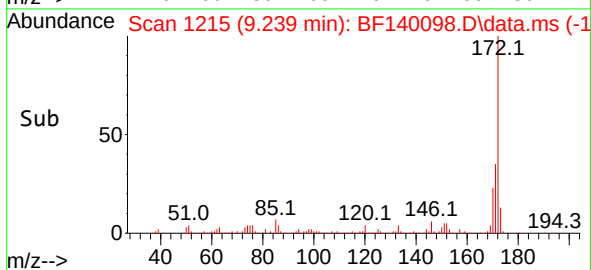
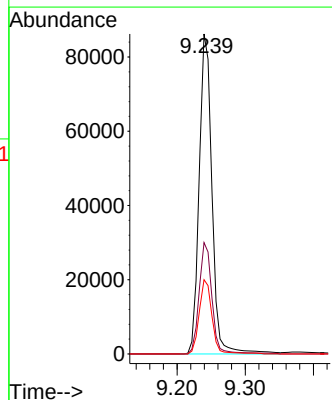
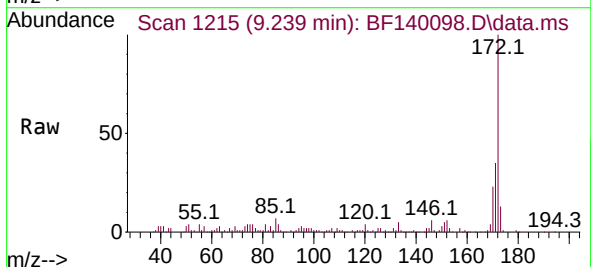
Instrument :
BNA_F
ClientSampleId :
PL-02-102424

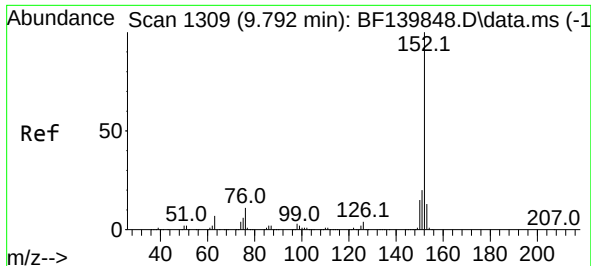
Tgt Ion:330 Resp: 19249
Ion Ratio Lower Upper
330 100
332 94.2 78.1 117.1
141 36.6 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 12.316 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.012 min
Lab File: BF140098.D
Acq: 28 Oct 2024 20:23

Tgt Ion:172 Resp: 112782
Ion Ratio Lower Upper
172 100
171 34.8 28.6 43.0
170 23.2 19.1 28.7





#49

Acenaphthylene

Concen: 2.529 ng

RT: 9.786 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140098.D

Acq: 28 Oct 2024 20:23

Instrument :

BNA_F

ClientSampleId :

PL-02-102424

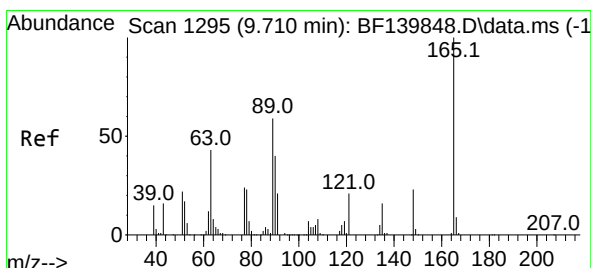
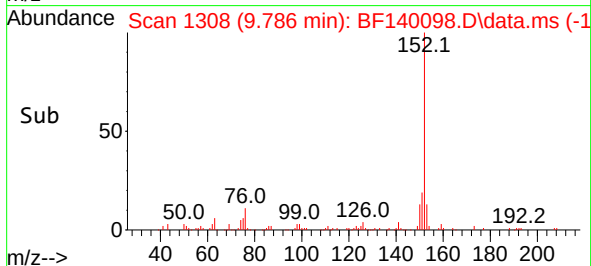
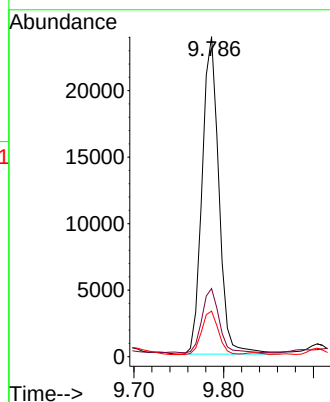
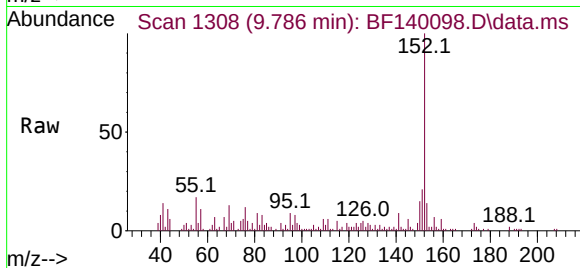
Tgt Ion:152 Resp: 31020

Ion Ratio Lower Upper

152 100

151 21.3 15.9 23.9

153 14.3 10.7 16.1



#51

2,6-Dinitrotoluene

Concen: 10.360 ng

RT: 9.922 min Scan# 1331

Delta R.T. 0.212 min

Lab File: BF140098.D

Acq: 28 Oct 2024 20:23

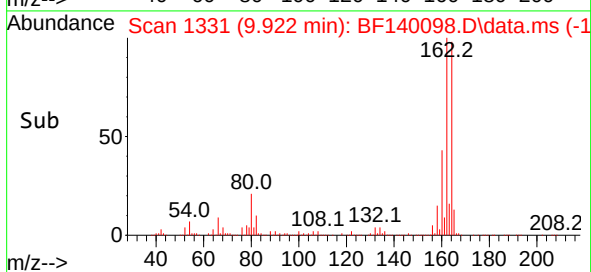
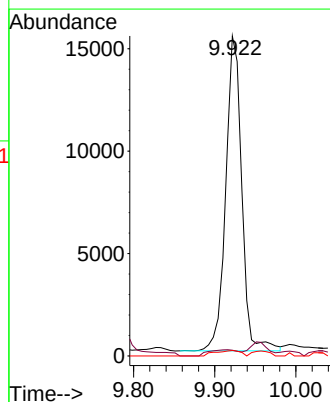
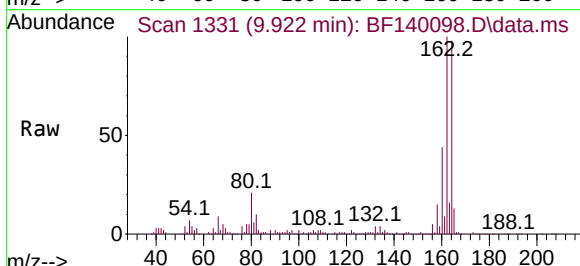
Tgt Ion:165 Resp: 21146

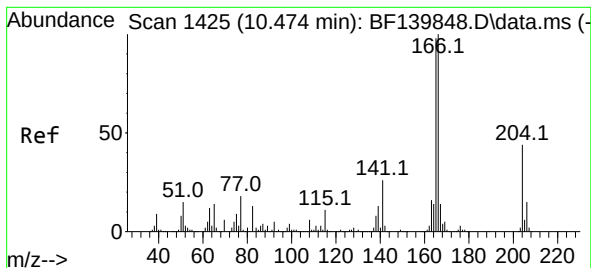
Ion Ratio Lower Upper

165 100

63 1.8 50.6 75.8#

89 1.7 47.5 71.3#





#58

Fluorene

Concen: 2.845 ng

RT: 10.469 min Scan# 1425

Delta R.T. -0.006 min

Lab File: BF140098.D

Acq: 28 Oct 2024 20:23

Instrument :

BNA_F

ClientSampleId :

PL-02-102424

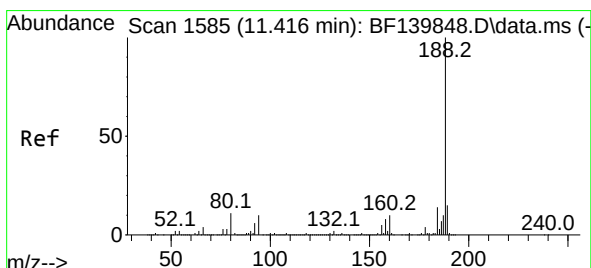
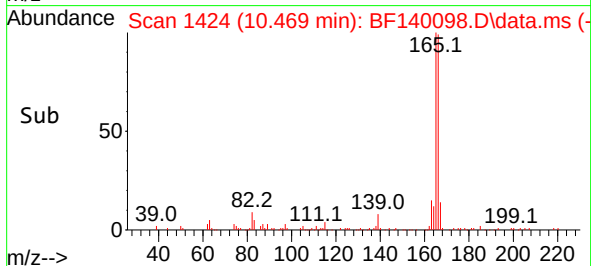
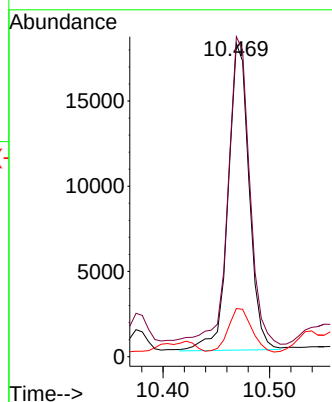
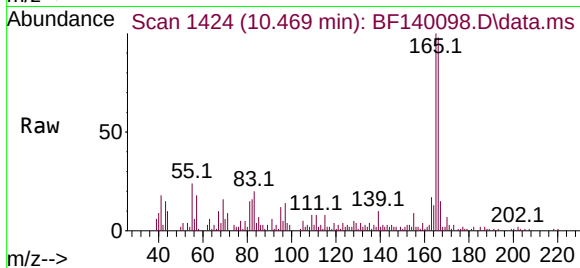
Tgt Ion:166 Resp: 24670

Ion Ratio Lower Upper

166 100

165 102.2 78.5 117.7

167 15.4 10.9 16.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1584

Delta R.T. -0.006 min

Lab File: BF140098.D

Acq: 28 Oct 2024 20:23

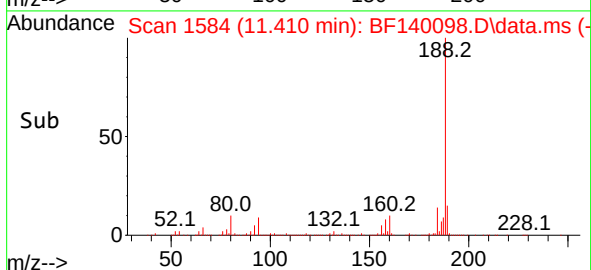
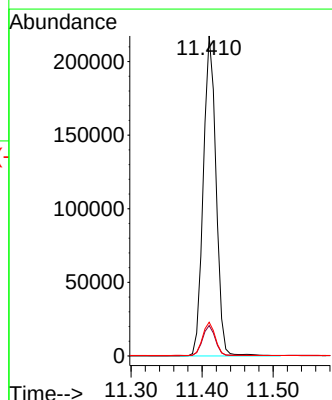
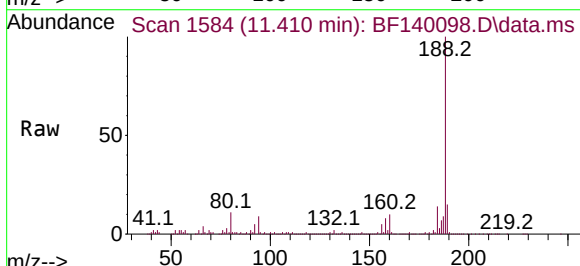
Tgt Ion:188 Resp: 272341

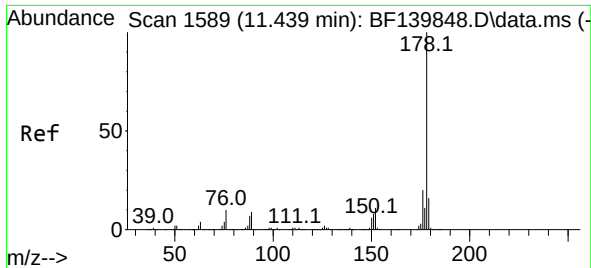
Ion Ratio Lower Upper

188 100

94 9.5 7.9 11.9

80 10.5 9.0 13.4

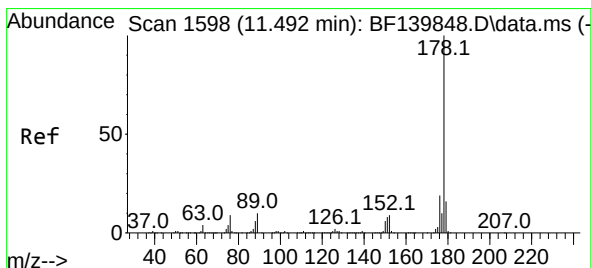
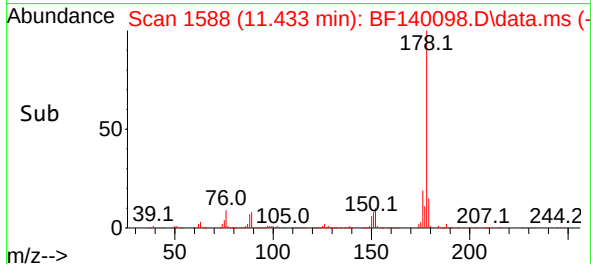
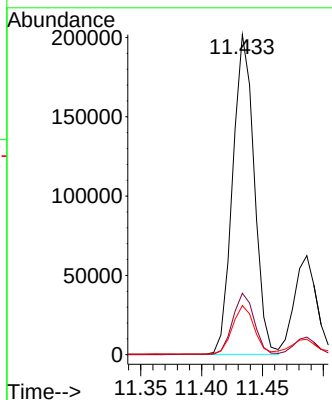
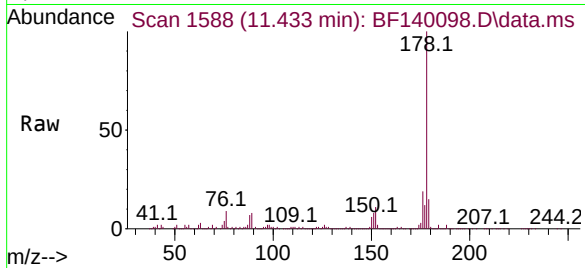




#71
Phenanthrene
Concen: 19.249 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF140098.D
Acq: 28 Oct 2024 20:23

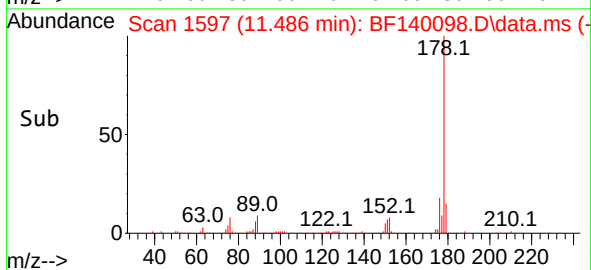
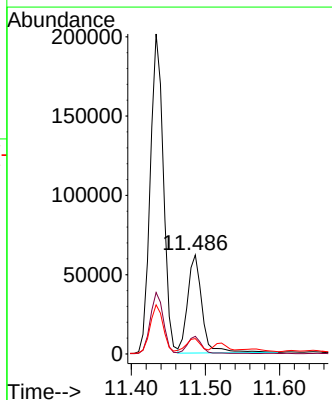
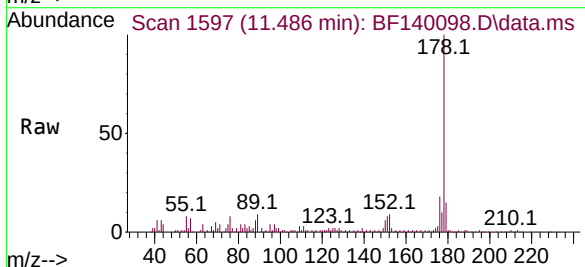
Instrument :
BNA_F
ClientSampleId :
PL-02-102424

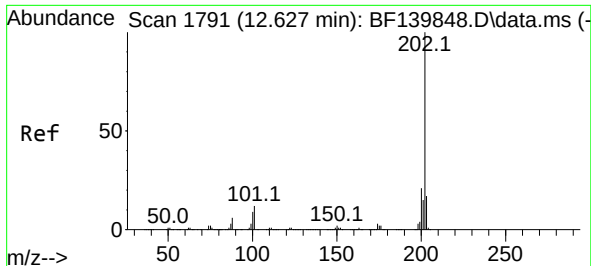
Tgt Ion:178 Resp: 247621
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.6
179 15.4 12.6 18.8



#72
Anthracene
Concen: 6.680 ng
RT: 11.486 min Scan# 1597
Delta R.T. -0.006 min
Lab File: BF140098.D
Acq: 28 Oct 2024 20:23

Tgt Ion:178 Resp: 83843
Ion Ratio Lower Upper
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176 17.8 15.3 22.9
179 15.5 12.4 18.6

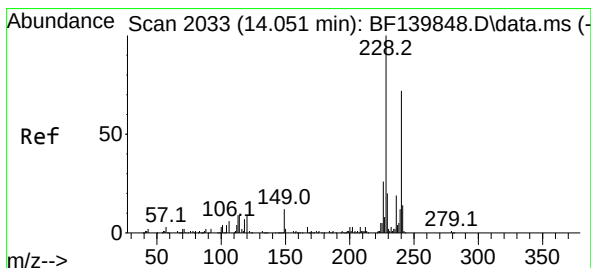
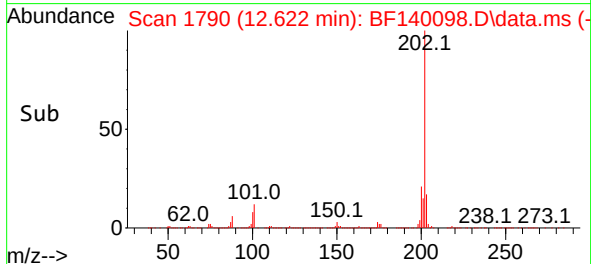
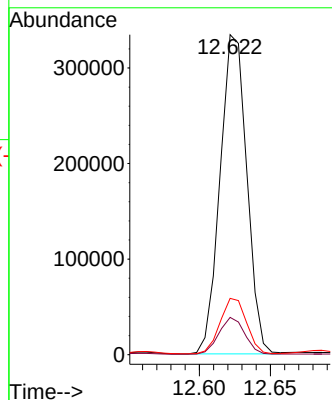
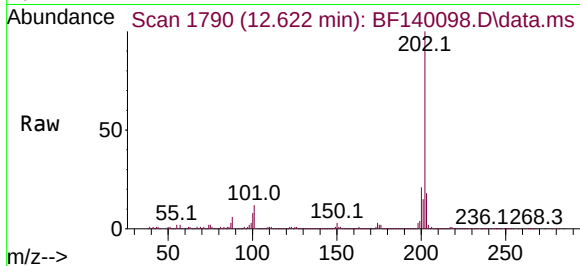




#75
Fluoranthene
Concen: 33.721 ng
RT: 12.622 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BF140098.D
Acq: 28 Oct 2024 20:23

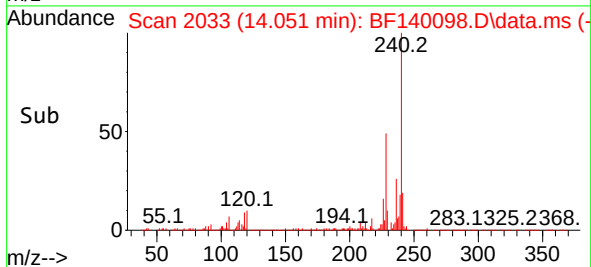
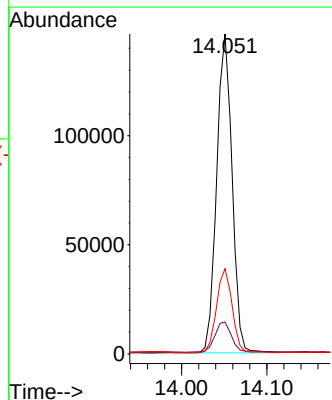
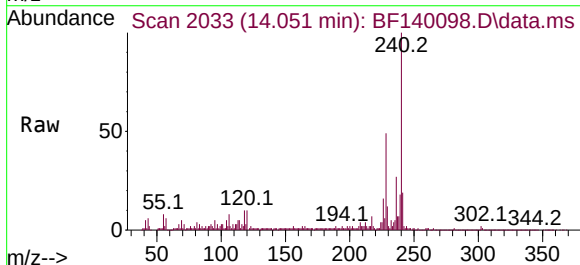
Instrument :
BNA_F
ClientSampleId :
PL-02-102424

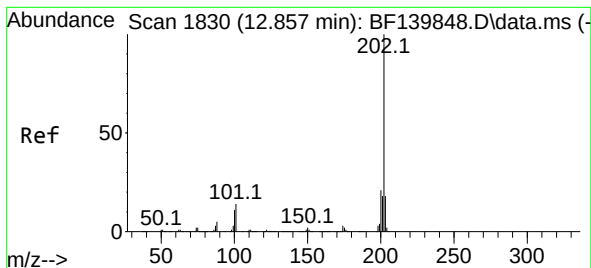
Tgt Ion:202 Resp: 438530
Ion Ratio Lower Upper
202 100
101 11.6 0.0 31.9
203 17.6 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF140098.D
Acq: 28 Oct 2024 20:23

Tgt Ion:240 Resp: 184056
Ion Ratio Lower Upper
240 100
120 10.0 9.4 14.2
236 26.6 20.9 31.3





#78

Pyrene

Concen: 25.988 ng

RT: 12.851 min Scan# 1829

Delta R.T. -0.006 min

Lab File: BF140098.D

Acq: 28 Oct 2024 20:23

Instrument :

BNA_F

ClientSampleId :

PL-02-102424

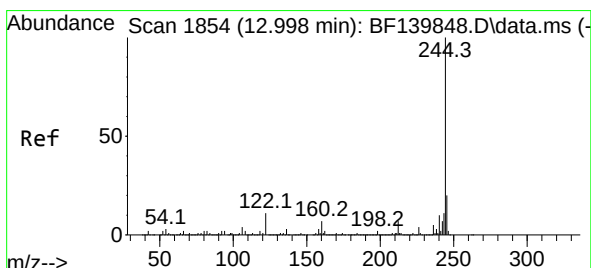
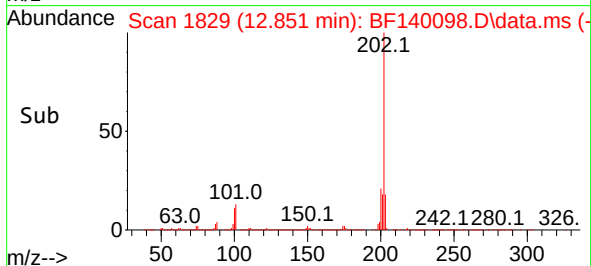
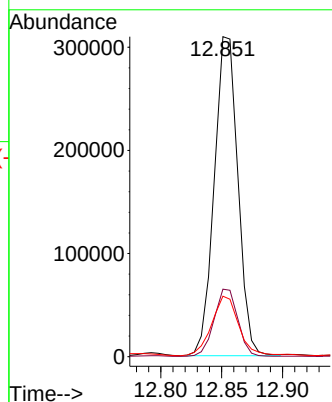
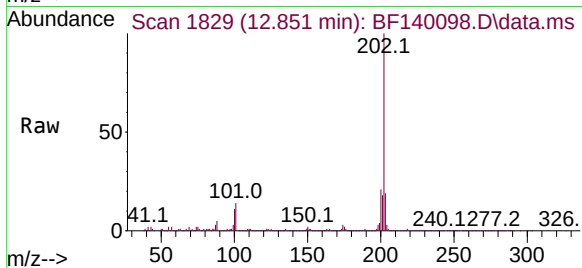
Tgt Ion:202 Resp: 418699

Ion Ratio Lower Upper

202 100

200 21.1 17.2 25.8

203 18.9 14.2 21.4



#79

Terphenyl-d14

Concen: 11.325 ng

RT: 12.992 min Scan# 1853

Delta R.T. -0.006 min

Lab File: BF140098.D

Acq: 28 Oct 2024 20:23

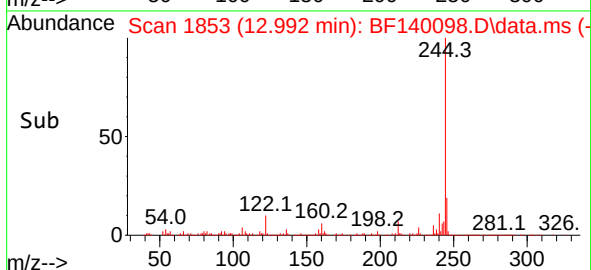
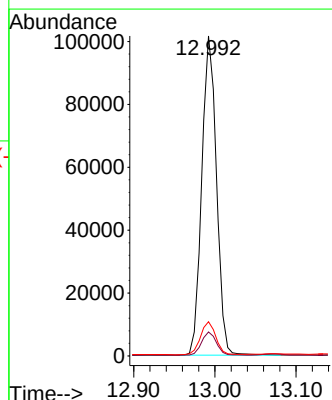
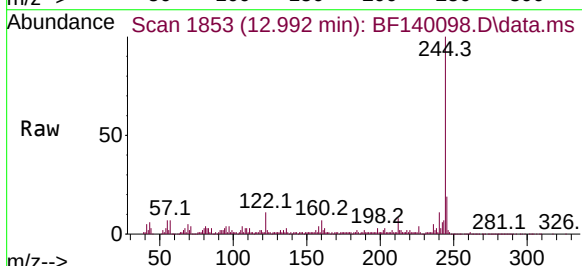
Tgt Ion:244 Resp: 127924

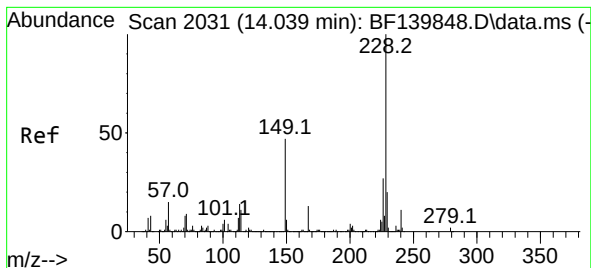
Ion Ratio Lower Upper

244 100

212 7.5 5.7 8.5

122 10.7 8.6 13.0





#81

Benzo(a)anthracene

Concen: 15.807 ng

RT: 14.039 min Scan# 2031

Delta R.T. 0.000 min

Lab File: BF140098.D

Acq: 28 Oct 2024 20:23

Instrument :

BNA_F

ClientSampleId :

PL-02-102424

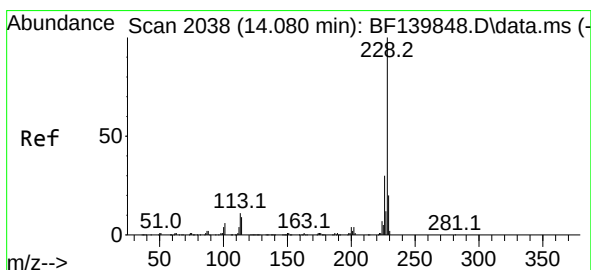
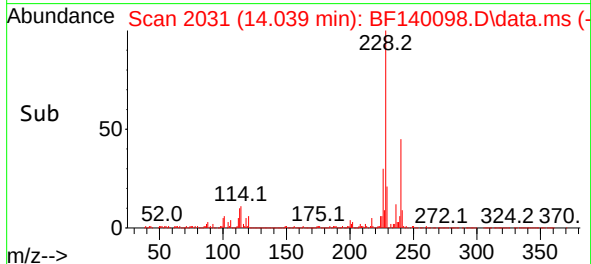
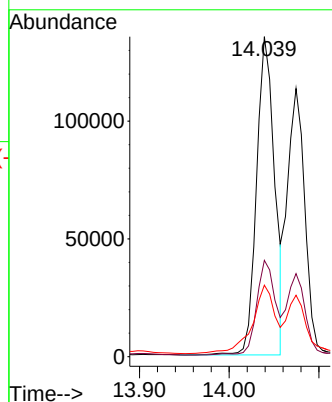
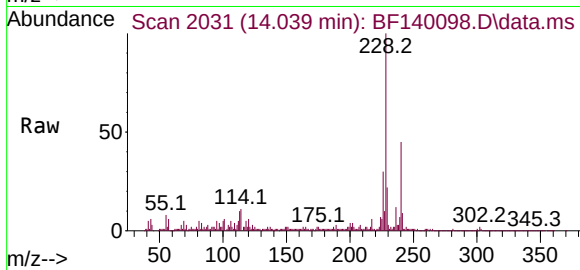
Tgt Ion:228 Resp: 189393

Ion Ratio Lower Upper

228 100

226 30.1 21.6 32.4

229 22.4 16.1 24.1



#83

Chrysene

Concen: 13.790 ng

RT: 14.074 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF140098.D

Acq: 28 Oct 2024 20:23

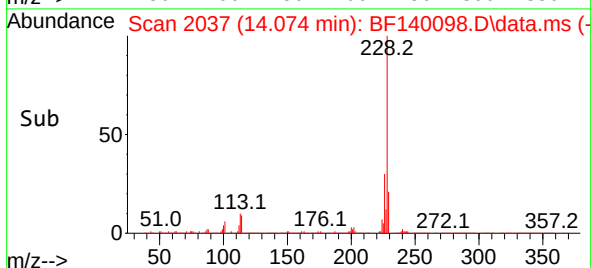
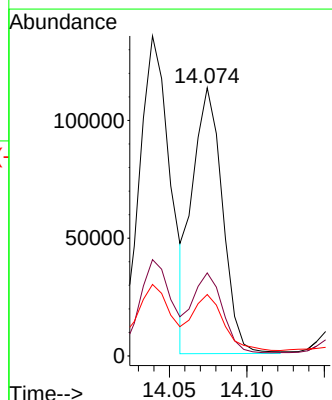
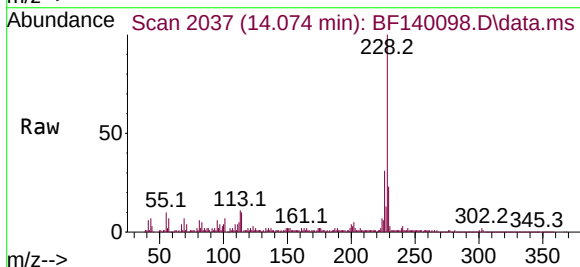
Tgt Ion:228 Resp: 151487

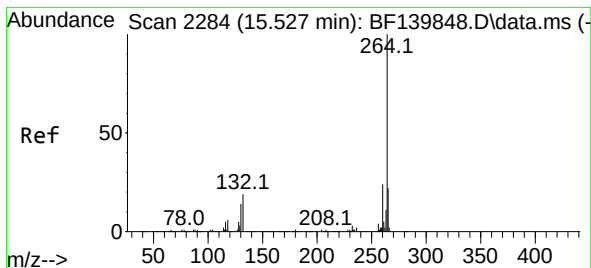
Ion Ratio Lower Upper

228 100

226 31.0 24.1 36.1

229 22.9 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF140098.D

Acq: 28 Oct 2024 20:23

Instrument :

BNA_F

ClientSampleId :

PL-02-102424

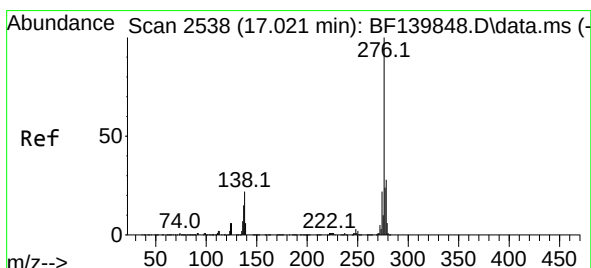
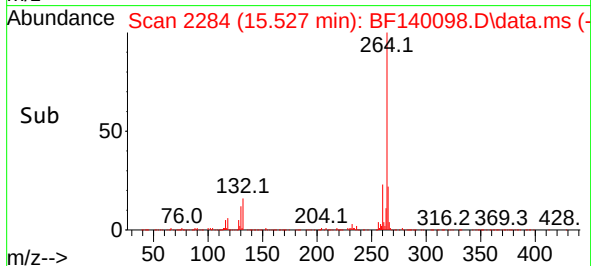
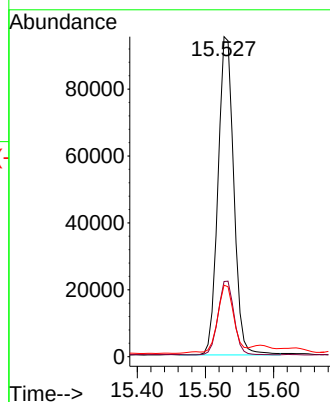
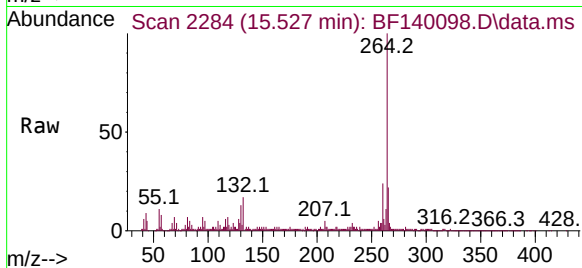
Tgt Ion:264 Resp: 153389

Ion Ratio Lower Upper

264 100

260 23.5 19.4 29.2

265 22.4 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.967 ng

RT: 17.021 min Scan# 2538

Delta R.T. 0.000 min

Lab File: BF140098.D

Acq: 28 Oct 2024 20:23

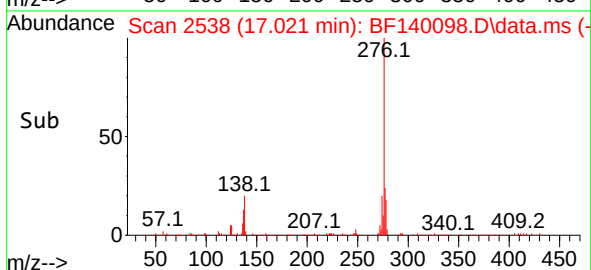
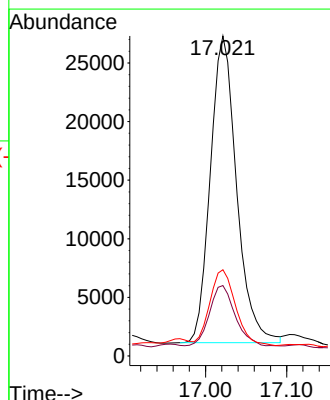
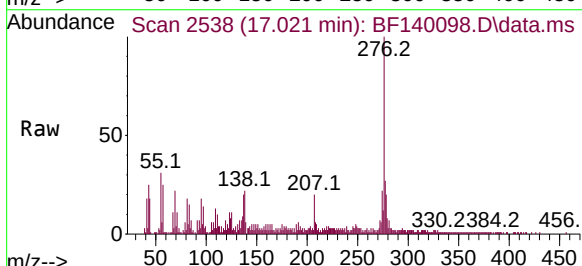
Tgt Ion:276 Resp: 58877

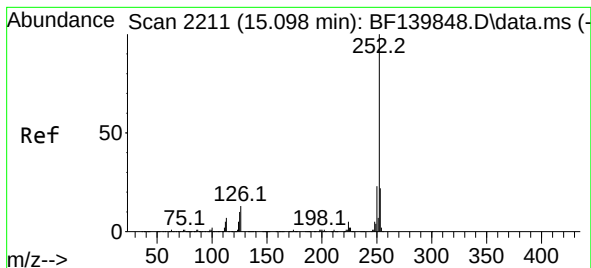
Ion Ratio Lower Upper

276 100

138 19.8 20.4 30.6#

277 24.0 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 22.845 ng

RT: 15.098 min Scan# 2211

Delta R.T. 0.000 min

Lab File: BF140098.D

Acq: 28 Oct 2024 20:23

Instrument :

BNA_F

ClientSampleId :

PL-02-102424

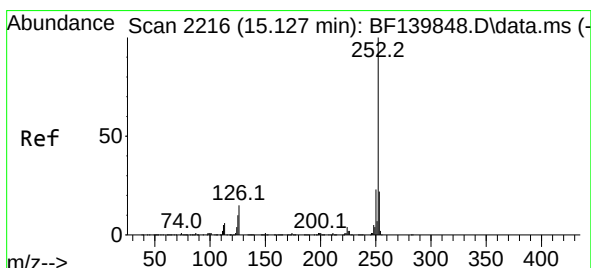
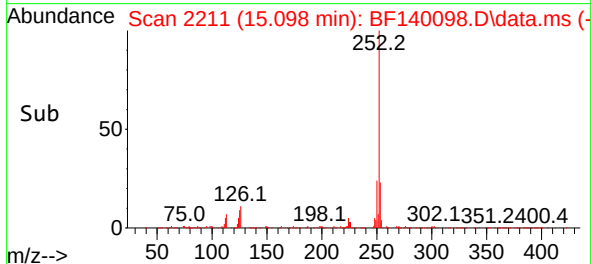
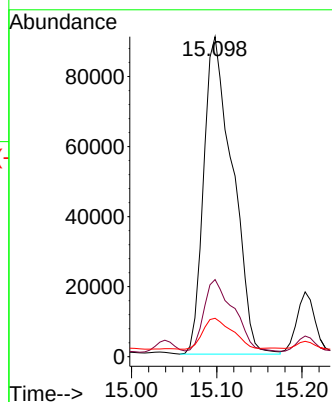
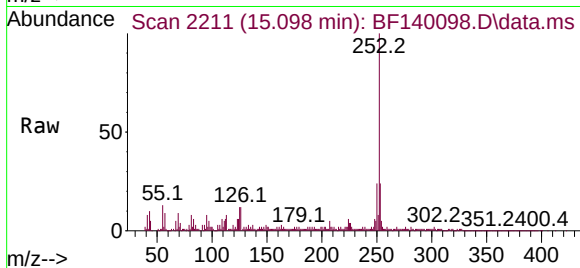
Tgt Ion:252 Resp: 213460

Ion Ratio Lower Upper

252 100

253 24.1 17.6 26.4

125 12.0 7.9 11.9#



#89

Benzo(k)fluoranthene

Concen: 26.490 ng

RT: 15.098 min Scan# 2211

Delta R.T. -0.029 min

Lab File: BF140098.D

Acq: 28 Oct 2024 20:23

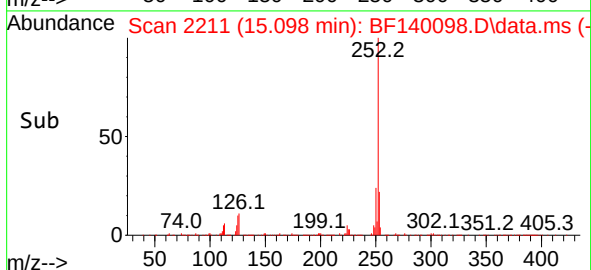
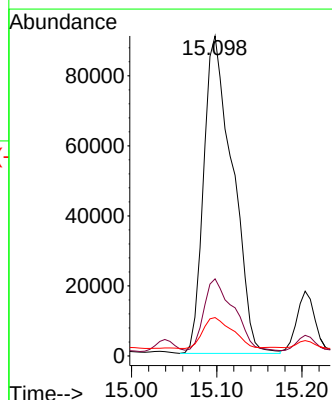
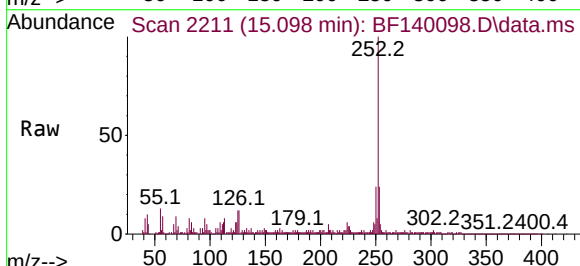
Tgt Ion:252 Resp: 213460

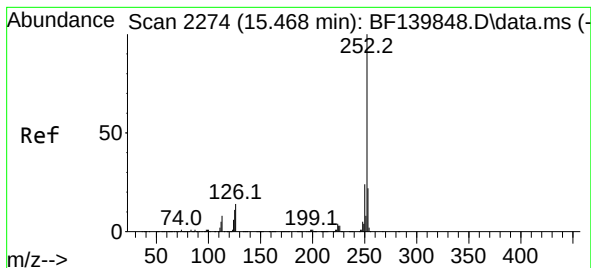
Ion Ratio Lower Upper

252 100

253 24.1 17.6 26.4

125 12.0 7.9 11.9#





#90

Benzo(a)pyrene

Concen: 14.794 ng

RT: 15.463 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF140098.D

Acq: 28 Oct 2024 20:23

Instrument :

BNA_F

ClientSampleId :

PL-02-102424

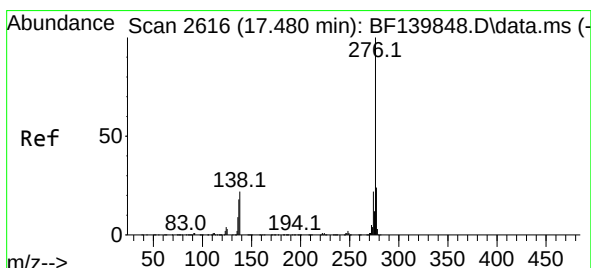
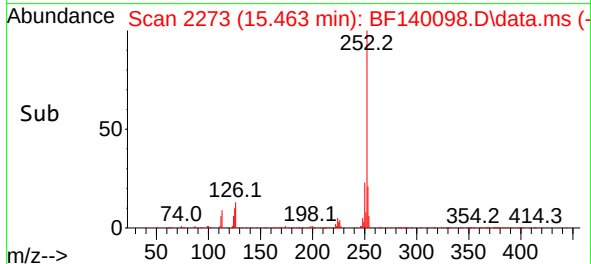
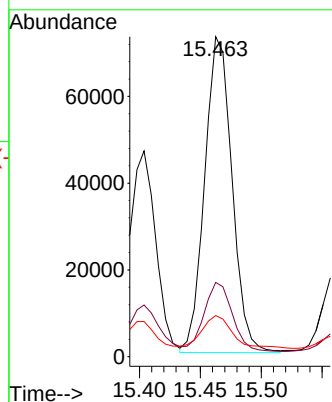
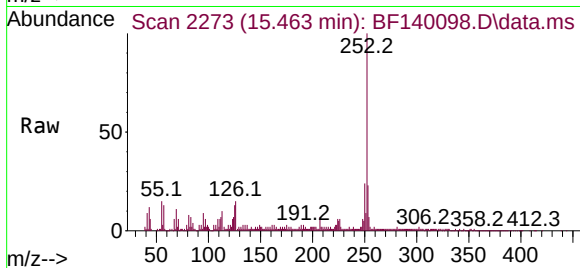
Tgt Ion:252 Resp: 113744

Ion Ratio Lower Upper

252 100

253 23.2 17.3 25.9

125 12.8 8.7 13.1



#92

Benzo(g,h,i)perylene

Concen: 6.688 ng

RT: 17.474 min Scan# 2615

Delta R.T. -0.006 min

Lab File: BF140098.D

Acq: 28 Oct 2024 20:23

Tgt Ion:276 Resp: 54990

Ion Ratio Lower Upper

276 100

277 26.0 19.0 28.6

138 21.3 17.4 26.0

