

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101624\
 Data File : BF139829.D
 Acq On : 16 Oct 2024 14:07
 Operator : RC/JU
 Sample : P4401-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-101424

Quant Time: Oct 16 14:45:51 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 15 16:41:54 2024
 Response via : Initial Calibration

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

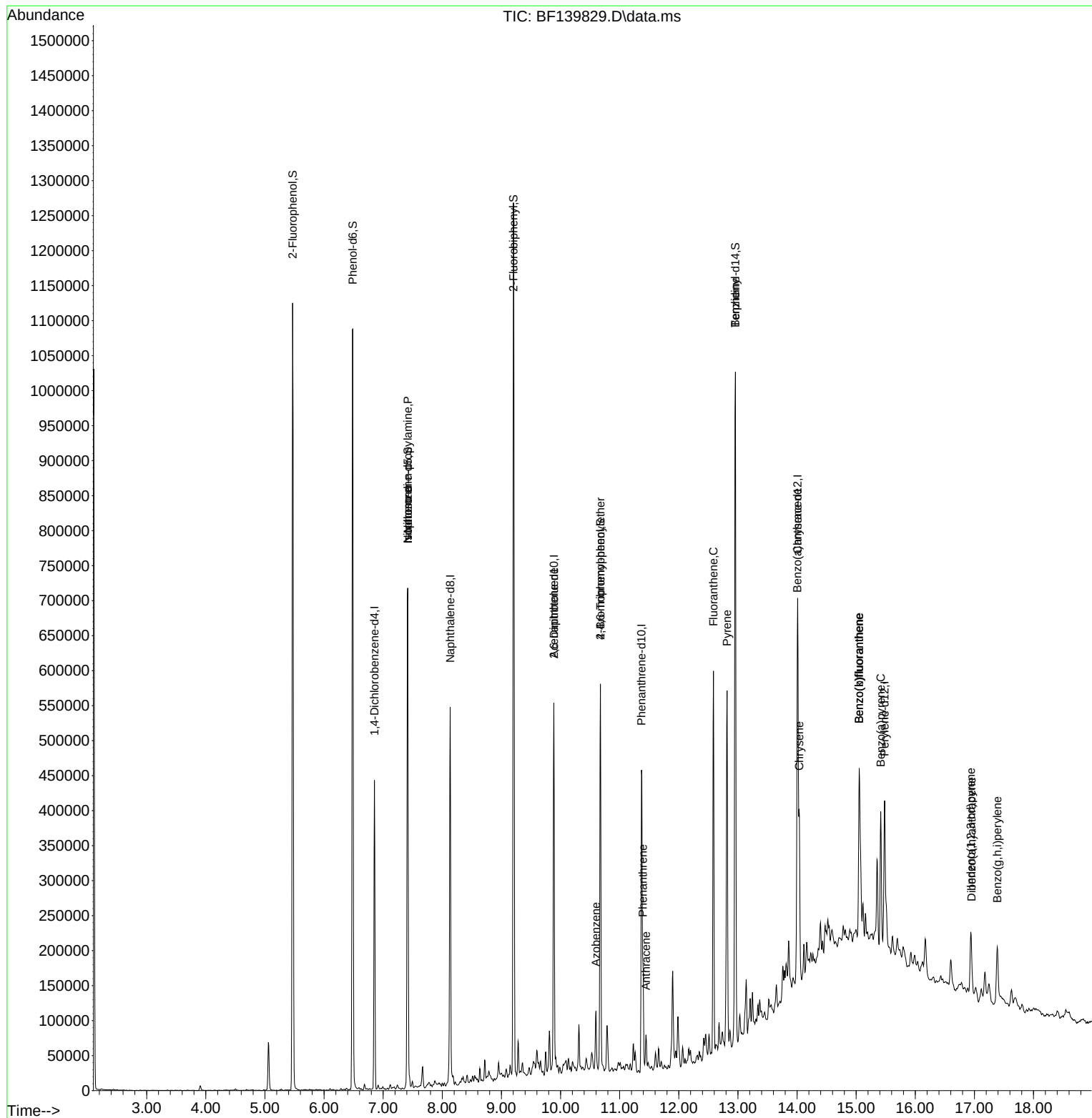
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	87765	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	317075	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	148861	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	232285	20.000	ng	0.00
76) Chrysene-d12	14.010	240	162720	20.000	ng	0.00
86) Perylene-d12	15.480	264	113755	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	385647	74.141	ng	0.00
7) Phenol-d6	6.487	99	499919	72.267	ng	0.00
23) Nitrobenzene-d5	7.416	82	309940	50.312	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	83039	66.142	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	544627	54.722	ng	0.00
79) Terphenyl-d14	12.957	244	467864	48.093	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.416	70	42223	10.481	ng	# 77
25) Isophorone	7.416	82	309932	29.481	ng	# 67
51) 2,6-Dinitrotoluene	9.886	165	20759	9.985	ng	# 22
63) Azobenzene	10.598	77	20293	2.196	ng	# 1
67) 4-Bromophenyl-phenylether	10.675	248	5587	2.233	ng	# 1
71) Phenanthrene	11.392	178	76797	6.921	ng	99
72) Anthracene	11.445	178	27533	2.525	ng	97
75) Fluoranthene	12.586	202	304397	29.077	ng	99
77) Benzidine	12.957	184	6382	2.348	ng	95
78) Pyrene	12.816	202	292414	18.280	ng	100
81) Benzo(a)anthracene	14.004	228	168775	15.615	ng	97
83) Chrysene	14.039	228	122888	12.474	ng	98
87) Indeno(1,2,3-cd)pyrene	16.939	276	61786	8.111	ng	96
88) Benzo(b)fluoranthene	15.051	252	201792	30.926	ng	# 94
89) Benzo(k)fluoranthene	15.051	252	201792	34.848	ng	# 95
90) Benzo(a)pyrene	15.415	252	106229	18.639	ng	95
91) Dibenzo(a,h)anthracene	16.951	278	15383	2.463	ng	# 86
92) Benzo(g,h,i)perylene	17.386	276	69627	10.627	ng	98

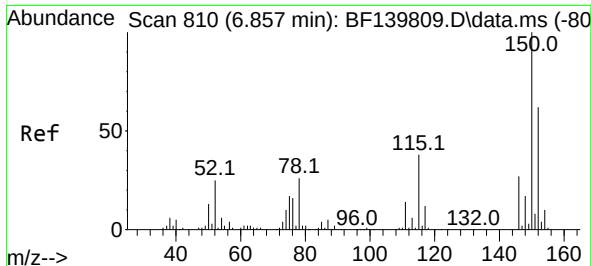
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101624\
Data File : BF139829.D
Acq On : 16 Oct 2024 14:07
Operator : RC/JU
Sample : P4401-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-03-101424

Quant Time: Oct 16 14:45:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 16:41:54 2024
Response via : Initial Calibration

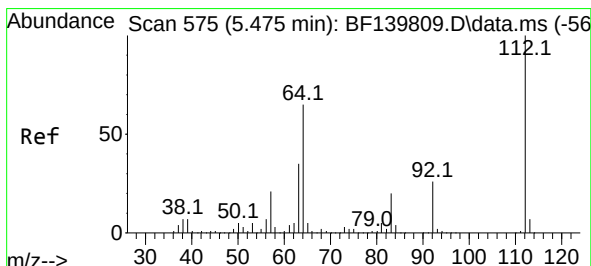
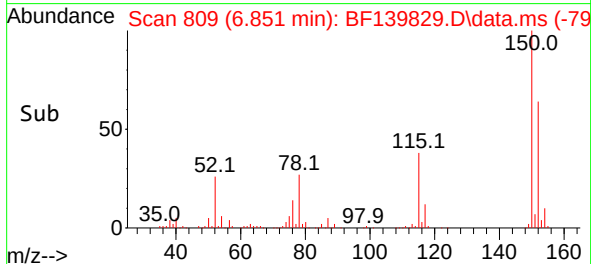
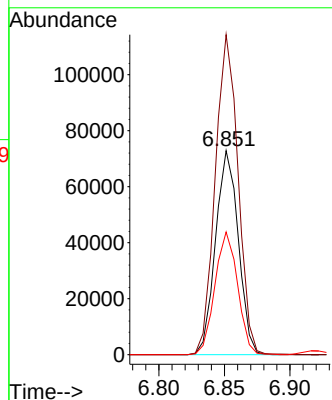
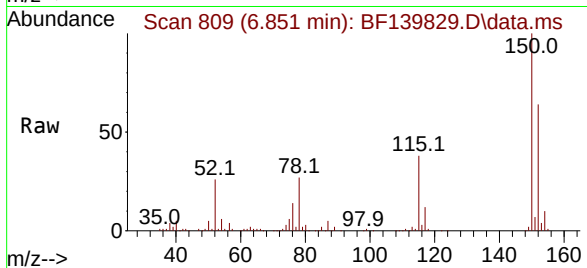




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF139829.D
Acq: 16 Oct 2024 14:07

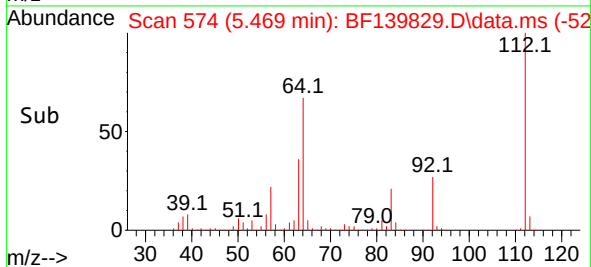
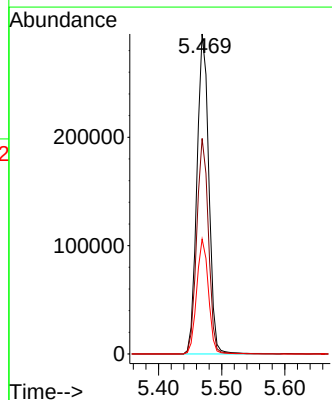
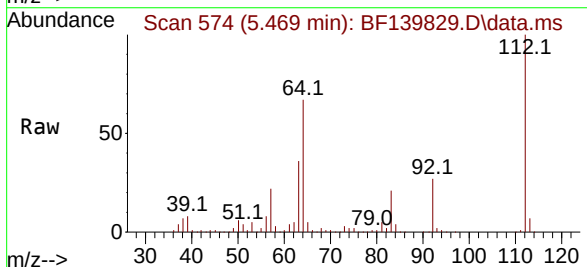
Instrument :
BNA_F
ClientSampleId :
SU-03-101424

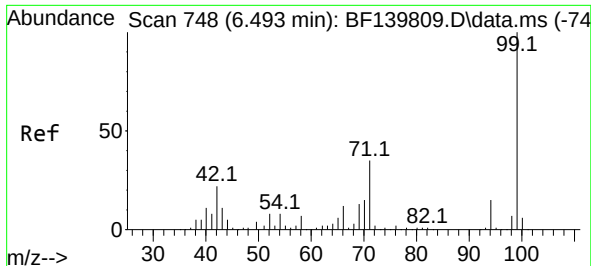
Tgt Ion:152 Resp: 87765
Ion Ratio Lower Upper
152 100
150 156.9 128.2 192.2
115 60.2 48.1 72.1



#5
2-Fluorophenol
Concen: 74.141 ng
RT: 5.469 min Scan# 574
Delta R.T. -0.006 min
Lab File: BF139829.D
Acq: 16 Oct 2024 14:07

Tgt Ion:112 Resp: 385647
Ion Ratio Lower Upper
112 100
64 67.4 52.1 78.1
63 35.9 27.6 41.4





#7

Phenol-d6

Concen: 72.267 ng

RT: 6.487 min Scan# 74

Delta R.T. -0.006 min

Lab File: BF139829.D

Acq: 16 Oct 2024 14:07

Instrument :

BNA_F

ClientSampleId :

SU-03-101424

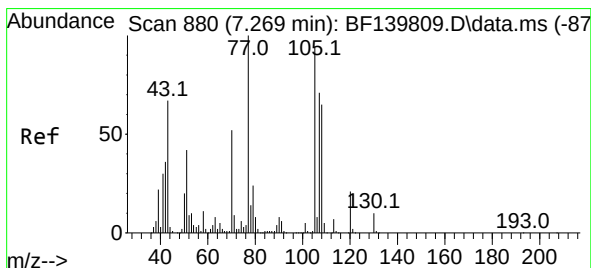
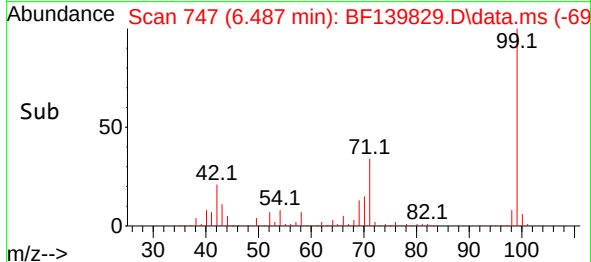
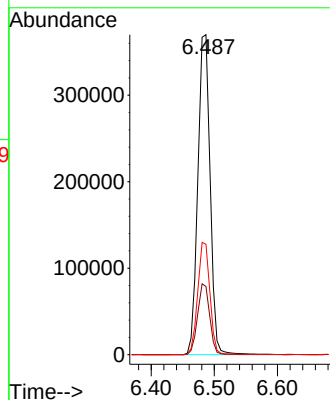
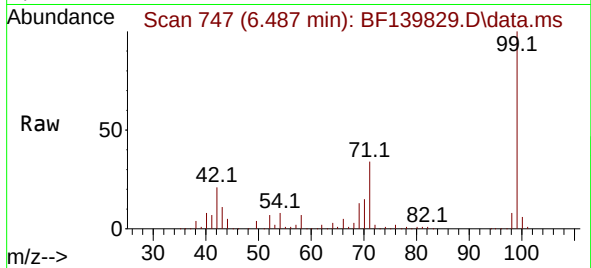
Tgt Ion: 99 Resp: 499919

Ion Ratio Lower Upper

99 100

42 21.3 17.3 25.9

71 34.5 27.8 41.6



#19

n-Nitroso-di-n-propylamine

Concen: 10.481 ng

RT: 7.416 min Scan# 905

Delta R.T. 0.147 min

Lab File: BF139829.D

Acq: 16 Oct 2024 14:07

Tgt Ion: 70 Resp: 42223

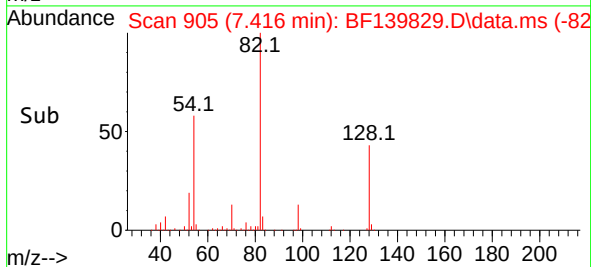
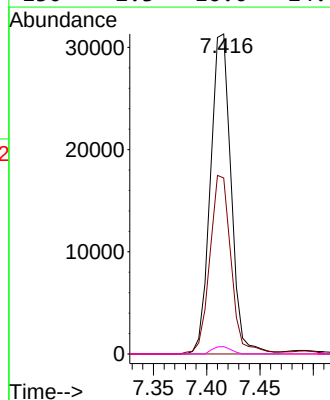
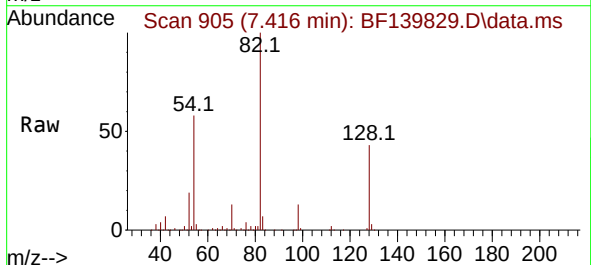
Ion Ratio Lower Upper

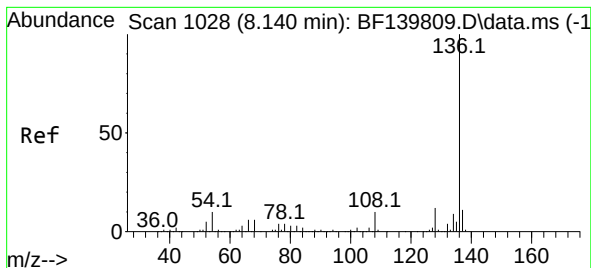
70 100

42 55.0 55.8 83.6#

101 0.0 7.4 11.0#

130 2.3 16.0 24.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.134 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139829.D

Acq: 16 Oct 2024 14:07

Instrument :

BNA_F

ClientSampleId :

SU-03-101424

Tgt Ion:136 Resp: 317075

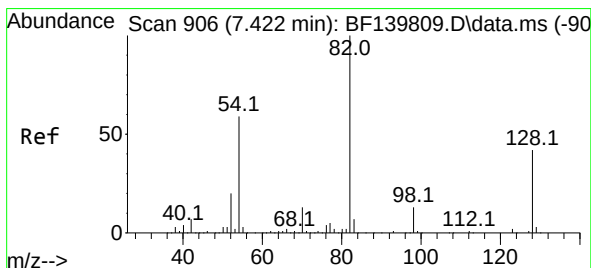
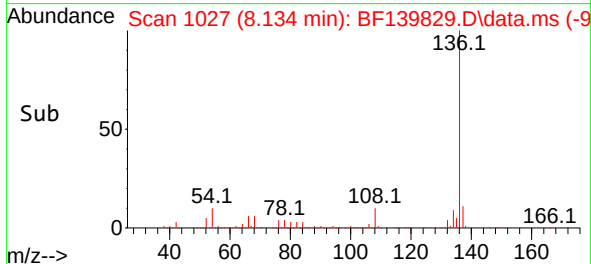
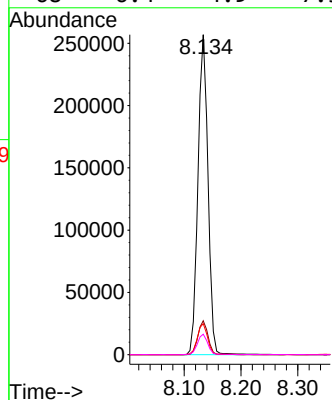
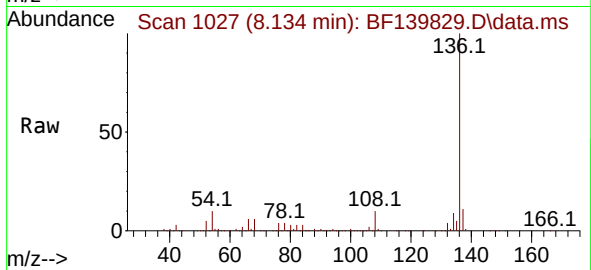
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 9.7 7.7 11.5

68 6.4 4.9 7.3



#23

Nitrobenzene-d5

Concen: 50.312 ng

RT: 7.416 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF139829.D

Acq: 16 Oct 2024 14:07

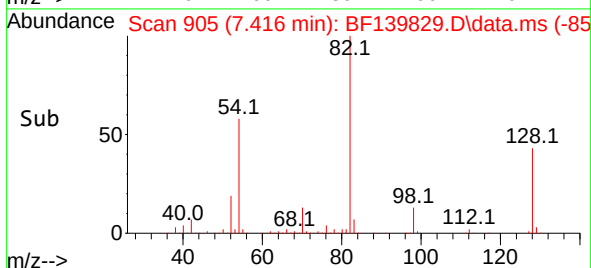
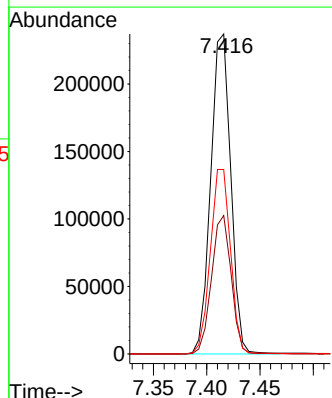
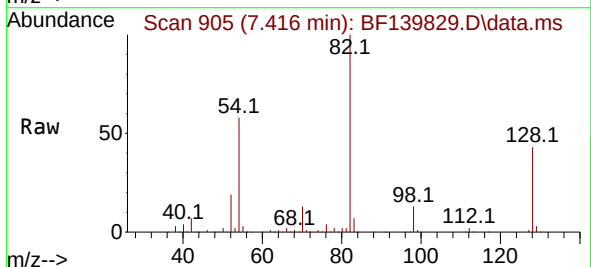
Tgt Ion: 82 Resp: 309940

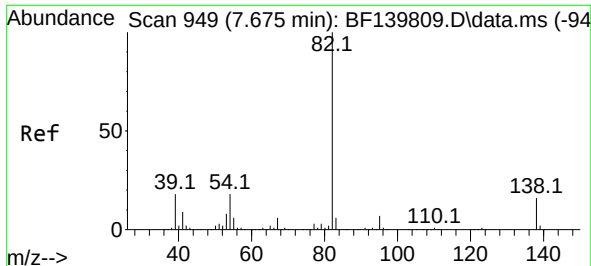
Ion Ratio Lower Upper

82 100

128 43.3 33.9 50.9

54 57.7 46.9 70.3

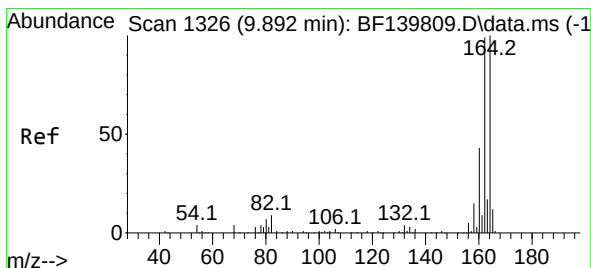
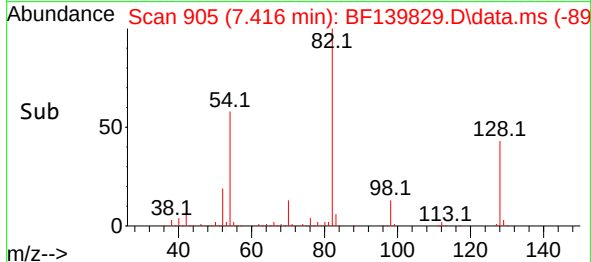
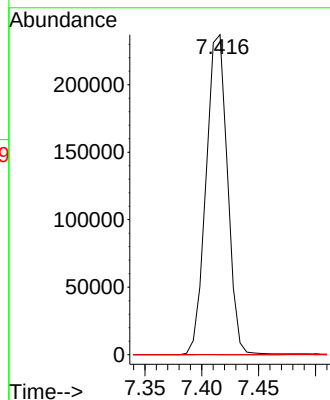
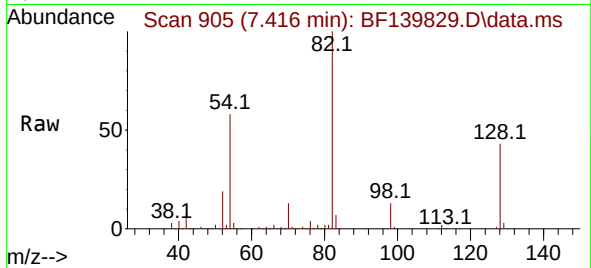




#25
Isophorone
Concen: 29.481 ng
RT: 7.416 min Scan# 905
Delta R.T. -0.259 min
Lab File: BF139829.D
Acq: 16 Oct 2024 14:07

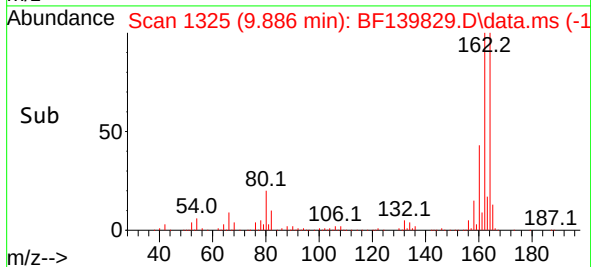
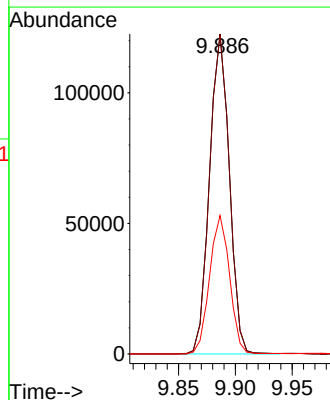
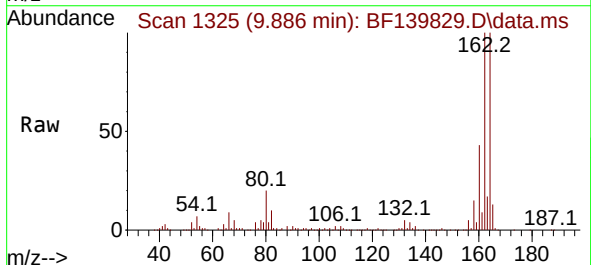
Instrument :
BNA_F
ClientSampleId :
SU-03-101424

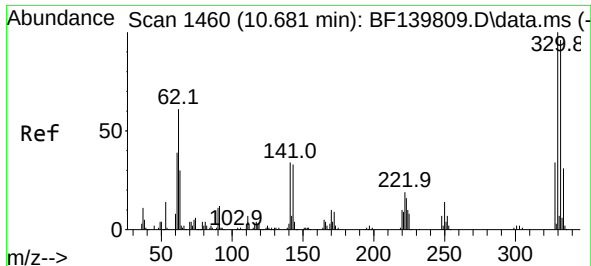
Tgt Ion: 82 Resp: 309932
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1325
Delta R.T. -0.006 min
Lab File: BF139829.D
Acq: 16 Oct 2024 14:07

Tgt Ion:164 Resp: 148861
Ion Ratio Lower Upper
164 100
162 99.9 79.1 118.7
160 43.3 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 66.142 ng

RT: 10.675 min Scan# 1460

Delta R.T. -0.006 min

Lab File: BF139829.D

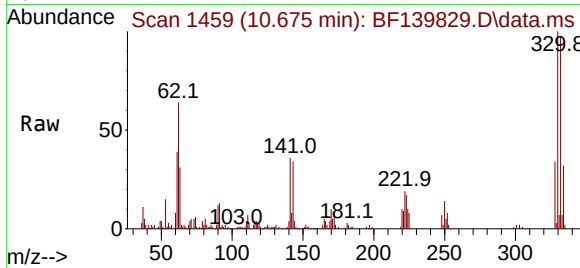
Acq: 16 Oct 2024 14:07

Instrument :

BNA_F

ClientSampleId :

SU-03-101424



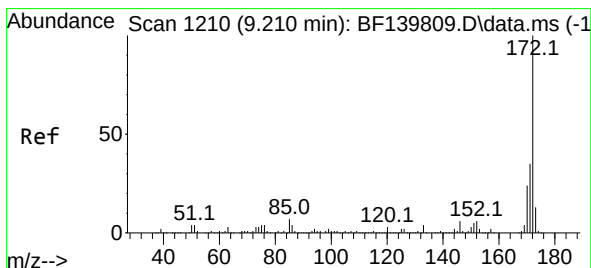
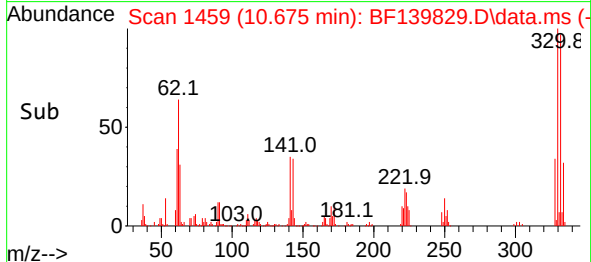
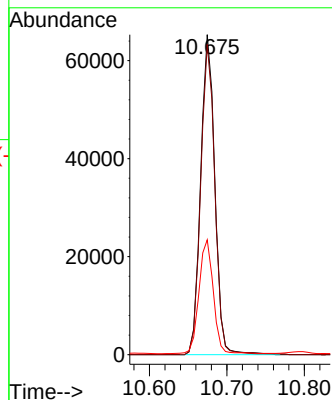
Tgt Ion:330 Resp: 83039

Ion Ratio Lower Upper

330 100

332 96.6 76.6 114.8

141 36.1 27.8 41.6



#45

2-Fluorobiphenyl

Concen: 54.722 ng

RT: 9.204 min Scan# 1209

Delta R.T. -0.006 min

Lab File: BF139829.D

Acq: 16 Oct 2024 14:07

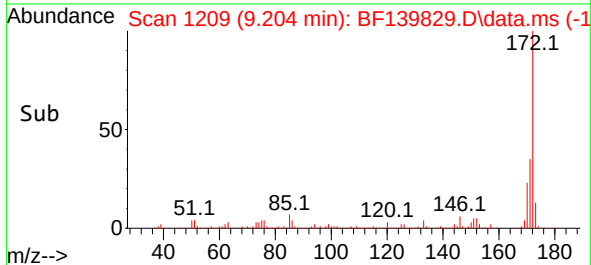
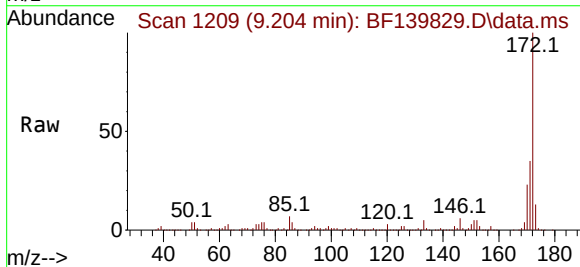
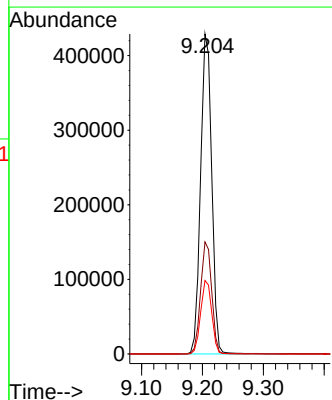
Tgt Ion:172 Resp: 544627

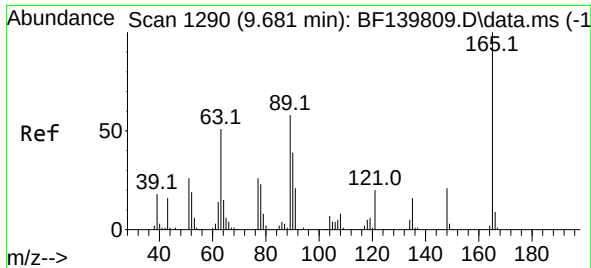
Ion Ratio Lower Upper

172 100

171 35.0 28.2 42.2

170 23.0 18.9 28.3

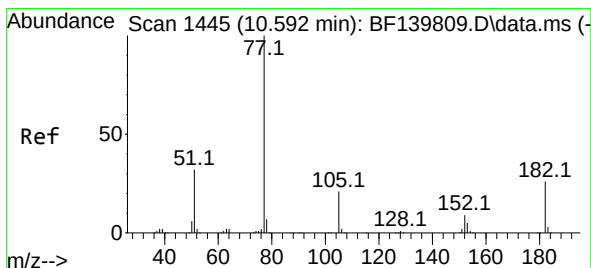
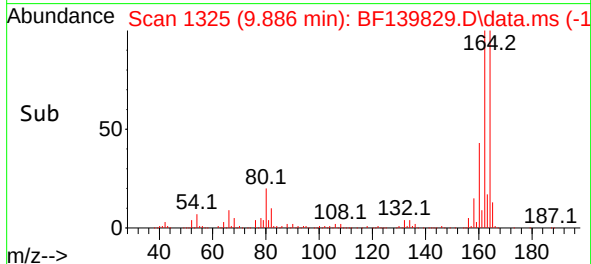
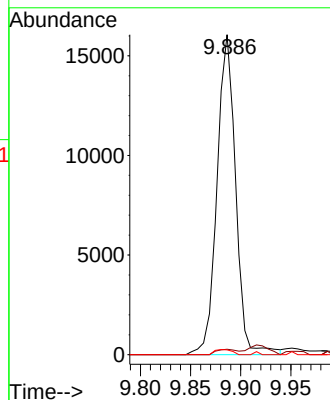
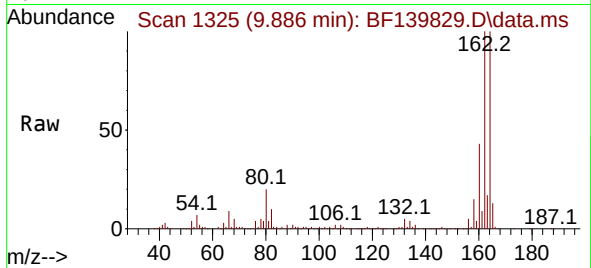




#51
2,6-Dinitrotoluene
Concen: 9.985 ng
RT: 9.886 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF139829.D
Acq: 16 Oct 2024 14:07

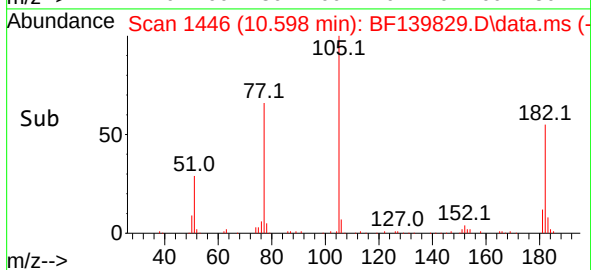
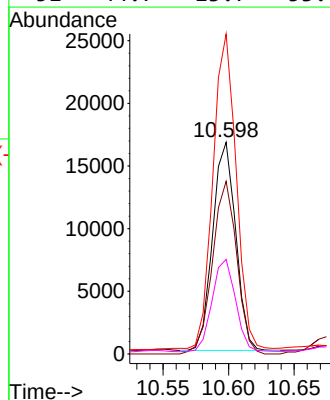
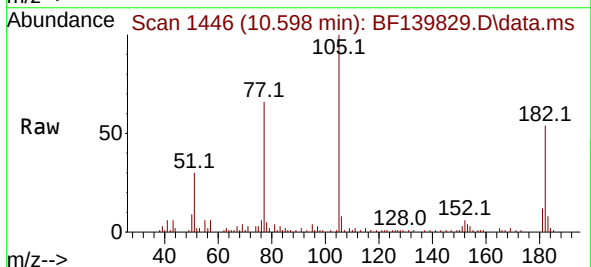
Instrument :
BNA_F
ClientSampleId :
SU-03-101424

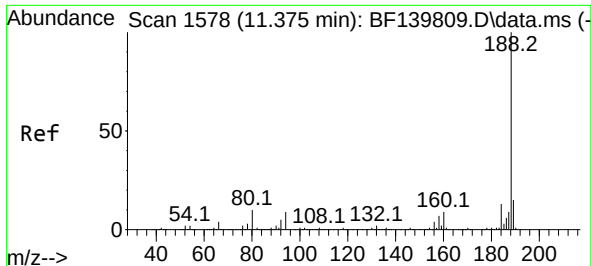
Tgt Ion:165 Resp: 20759
Ion Ratio Lower Upper
165 100
63 1.7 50.0 75.0#
89 1.5 46.8 70.2#



#63
Azobenzene
Concen: 2.196 ng
RT: 10.598 min Scan# 1446
Delta R.T. 0.006 min
Lab File: BF139829.D
Acq: 16 Oct 2024 14:07

Tgt Ion: 77 Resp: 20293
Ion Ratio Lower Upper
77 100
182 81.5 5.4 45.4#
105 151.1 0.4 40.4#
51 44.7 13.7 53.7

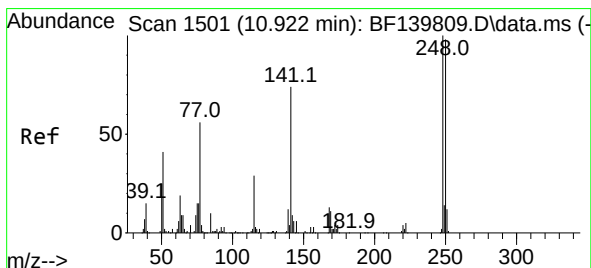
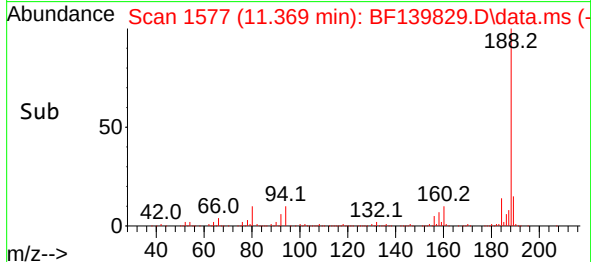
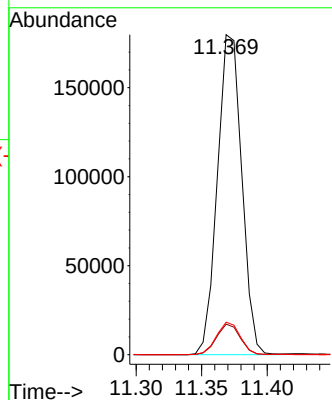
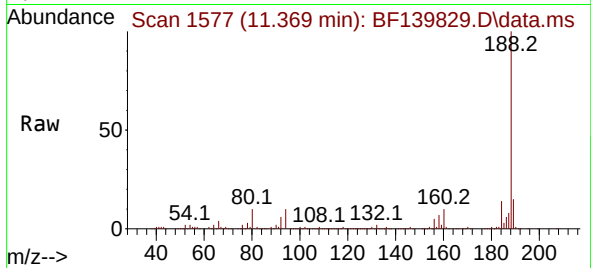




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139829.D
Acq: 16 Oct 2024 14:07

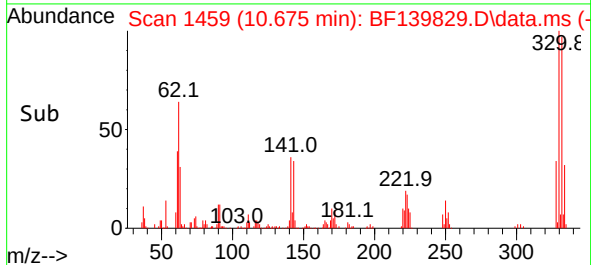
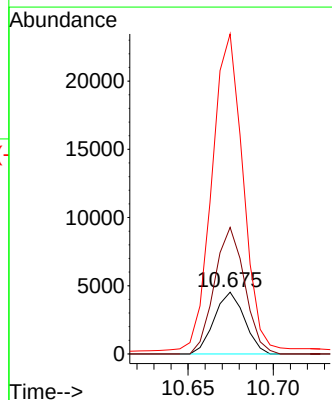
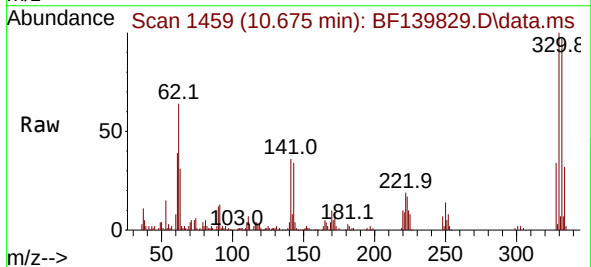
Instrument :
BNA_F
ClientSampleId :
SU-03-101424

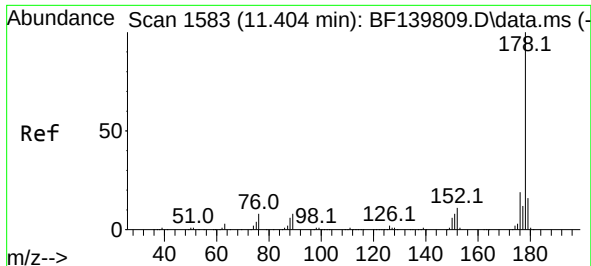
Tgt Ion:188 Resp: 232285
Ion Ratio Lower Upper
188 100
94 9.6 7.3 10.9
80 10.2 7.8 11.8



#67
4-Bromophenyl-phenylether
Concen: 2.233 ng
RT: 10.675 min Scan# 1459
Delta R.T. -0.247 min
Lab File: BF139829.D
Acq: 16 Oct 2024 14:07

Tgt Ion:248 Resp: 5587
Ion Ratio Lower Upper
248 100
250 204.7 78.7 118.1#
141 517.7 58.9 88.3#

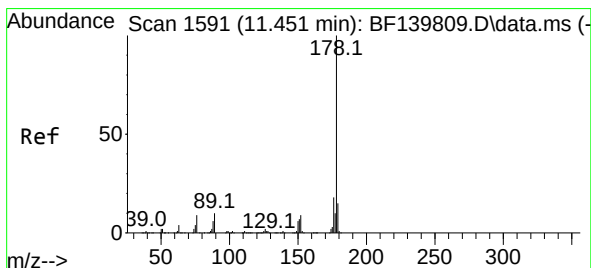
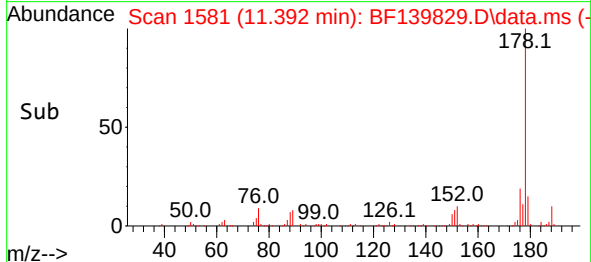
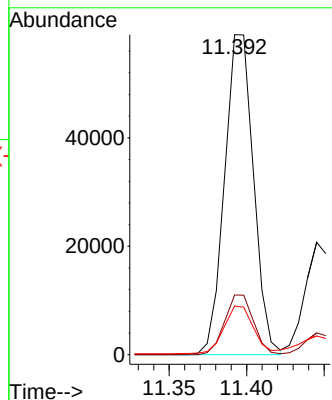
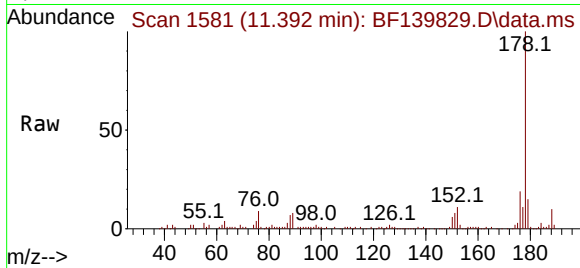




#71
Phenanthrene
Concen: 6.921 ng
RT: 11.392 min Scan# 1139
Delta R.T. -0.012 min
Lab File: BF139829.D
Acq: 16 Oct 2024 14:07

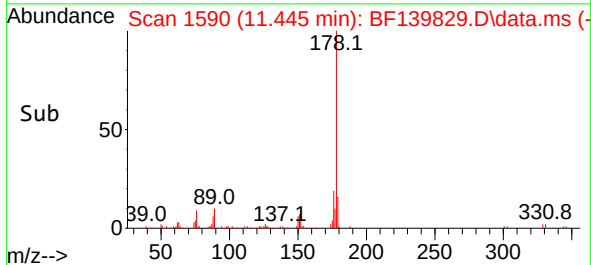
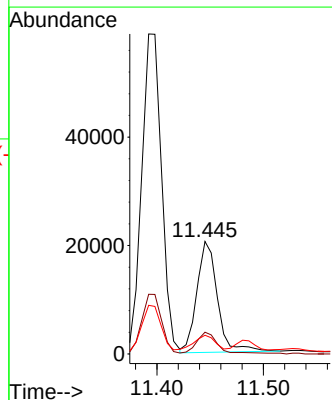
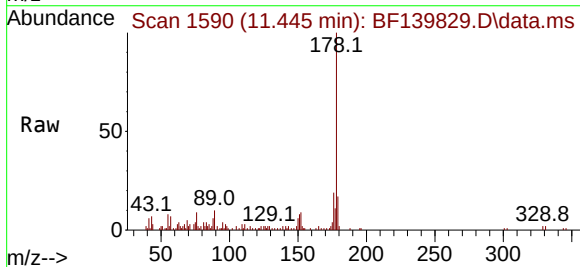
Instrument :
BNA_F
ClientSampleId :
SU-03-101424

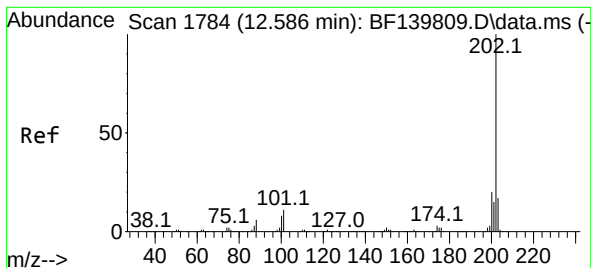
Tgt Ion:178 Resp: 76797
Ion Ratio Lower Upper
178 100
176 18.7 15.5 23.3
179 15.2 12.5 18.7



#72
Anthracene
Concen: 2.525 ng
RT: 11.445 min Scan# 1590
Delta R.T. -0.006 min
Lab File: BF139829.D
Acq: 16 Oct 2024 14:07

Tgt Ion:178 Resp: 27533
Ion Ratio Lower Upper
178 100
176 19.3 14.6 21.8
179 16.7 12.4 18.6





#75

Fluoranthene

Concen: 29.077 ng

RT: 12.586 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF139829.D

Acq: 16 Oct 2024 14:07

Instrument :

BNA_F

ClientSampleId :

SU-03-101424

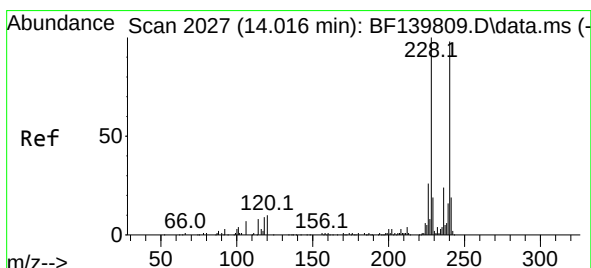
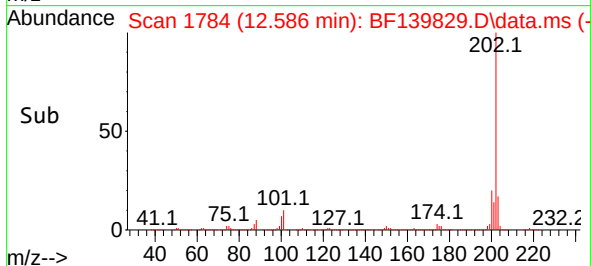
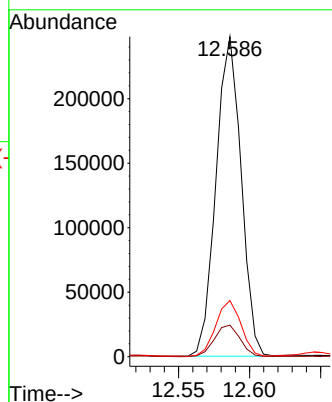
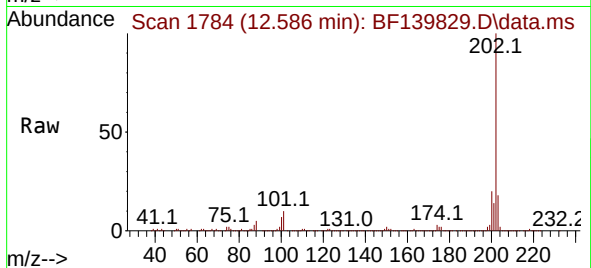
Tgt Ion:202 Resp: 304397

Ion Ratio Lower Upper

202 100

101 9.9 0.0 30.8

203 17.5 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2026

Delta R.T. -0.006 min

Lab File: BF139829.D

Acq: 16 Oct 2024 14:07

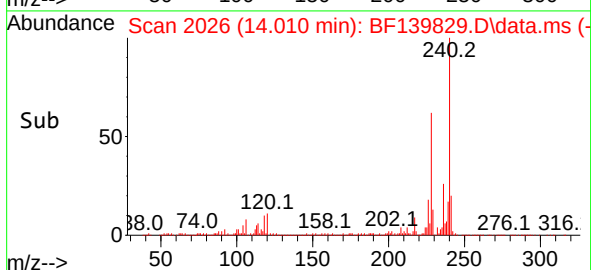
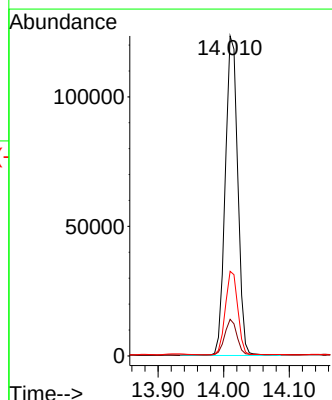
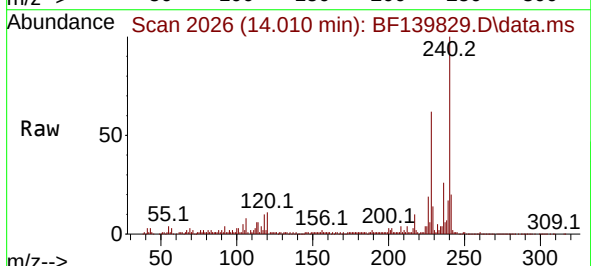
Tgt Ion:240 Resp: 162720

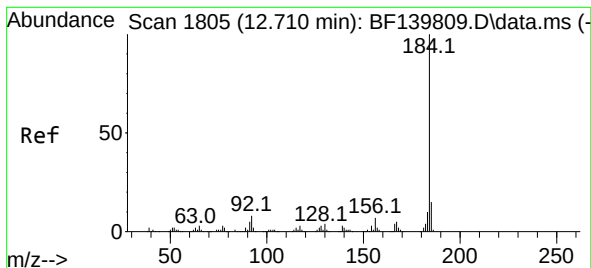
Ion Ratio Lower Upper

240 100

120 11.4 8.6 12.8

236 26.5 20.0 30.0





#77

Benzidine

Concen: 2.348 ng

RT: 12.957 min Scan# 1847

Delta R.T. 0.247 min

Lab File: BF139829.D

Acq: 16 Oct 2024 14:07

Instrument :

BNA_F

ClientSampleId :

SU-03-101424

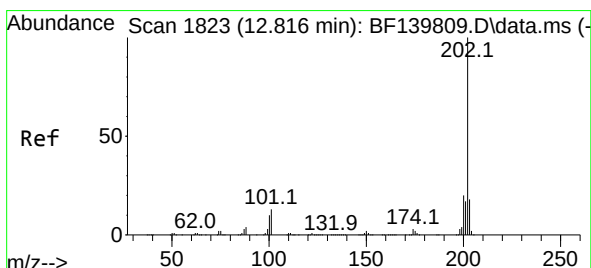
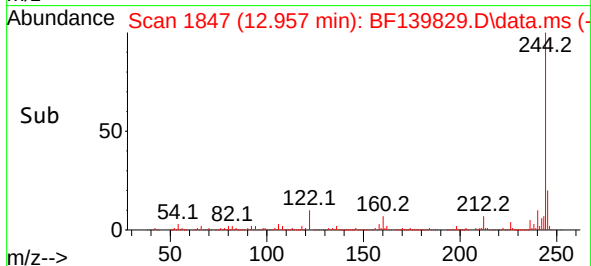
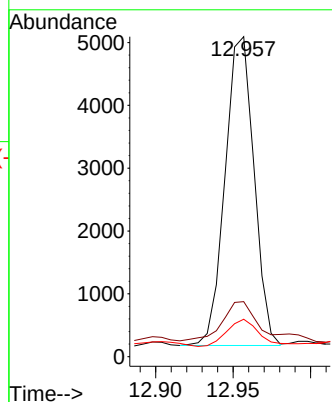
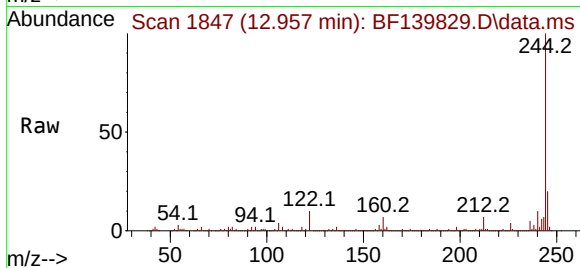
Tgt Ion:184 Resp: 6382

Ion Ratio Lower Upper

184 100

185 17.2 11.9 17.9

183 11.7 8.4 12.6



#78

Pyrene

Concen: 18.280 ng

RT: 12.816 min Scan# 1823

Delta R.T. -0.000 min

Lab File: BF139829.D

Acq: 16 Oct 2024 14:07

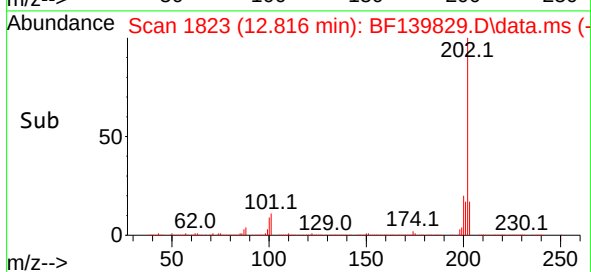
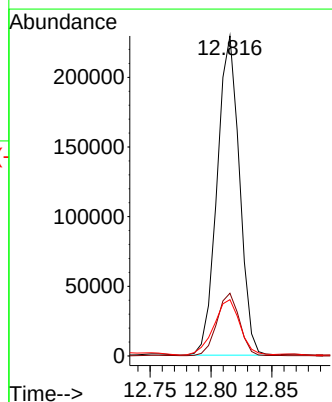
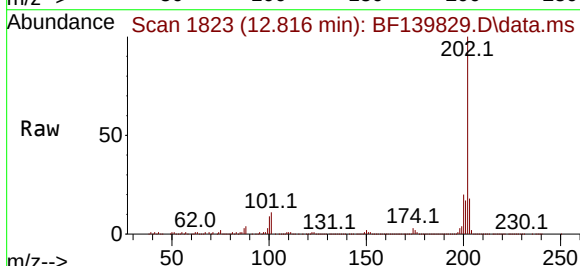
Tgt Ion:202 Resp: 292414

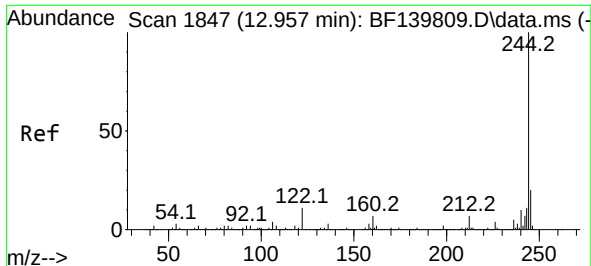
Ion Ratio Lower Upper

202 100

200 19.6 15.9 23.9

203 17.6 14.0 21.0

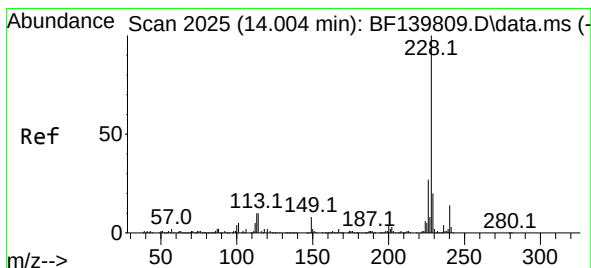
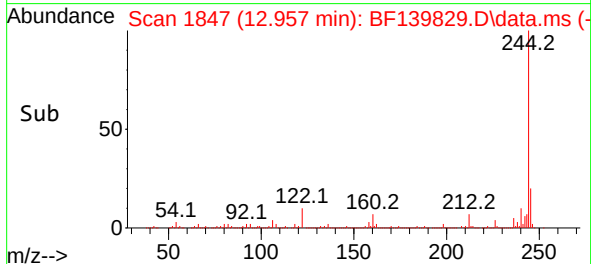
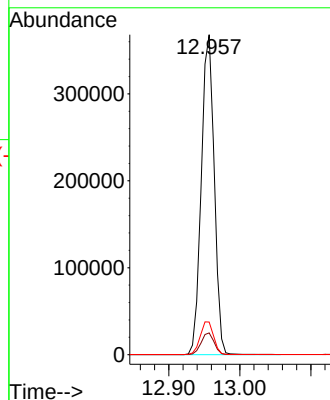
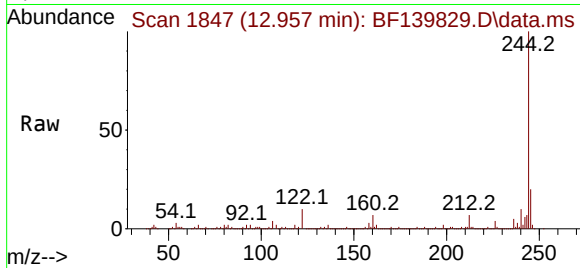




#79
 Terphenyl-d14
 Concen: 48.093 ng
 RT: 12.957 min Scan# 1847
 Delta R.T. -0.000 min
 Lab File: BF139829.D
 Acq: 16 Oct 2024 14:07

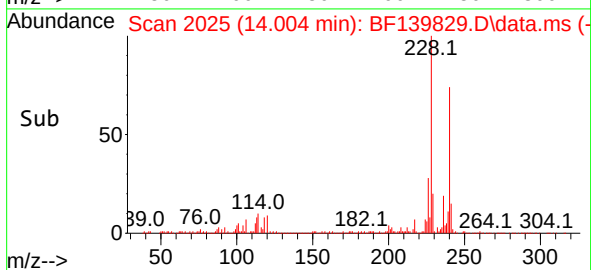
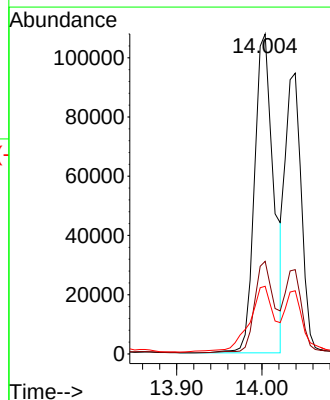
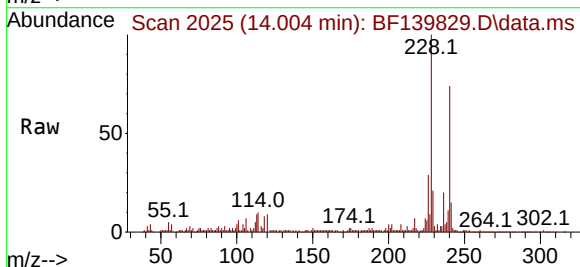
Instrument :
 BNA_F
 ClientSampleId :
 SU-03-101424

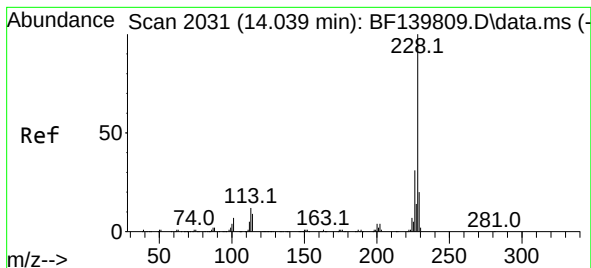
Tgt Ion:244 Resp: 467864
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.5 8.3
 122 10.2 8.9 13.3



#81
 Benzo(a)anthracene
 Concen: 15.615 ng
 RT: 14.004 min Scan# 2025
 Delta R.T. -0.000 min
 Lab File: BF139829.D
 Acq: 16 Oct 2024 14:07

Tgt Ion:228 Resp: 168775
 Ion Ratio Lower Upper
 228 100
 226 28.9 21.8 32.8
 229 21.1 15.8 23.8





#83

Chrysene

Concen: 12.474 ng

RT: 14.039 min Scan# 2031

Delta R.T. -0.000 min

Lab File: BF139829.D

Acq: 16 Oct 2024 14:07

Instrument :

BNA_F

ClientSampleId :

SU-03-101424

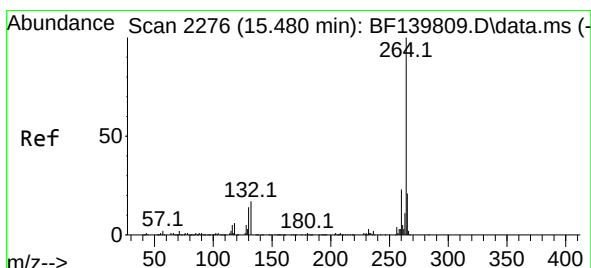
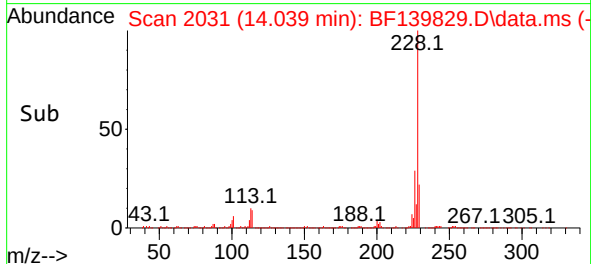
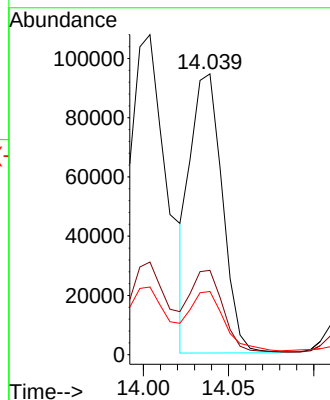
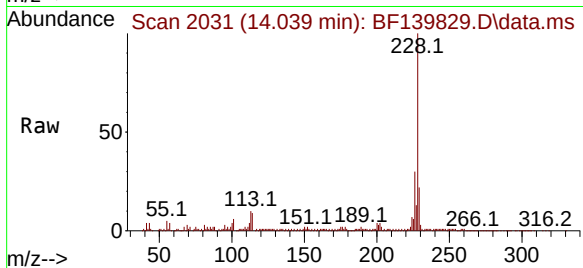
Tgt Ion:228 Resp: 122888

Ion Ratio Lower Upper

228 100

226 30.1 24.1 36.1

229 22.5 15.8 23.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.480 min Scan# 2276

Delta R.T. -0.000 min

Lab File: BF139829.D

Acq: 16 Oct 2024 14:07

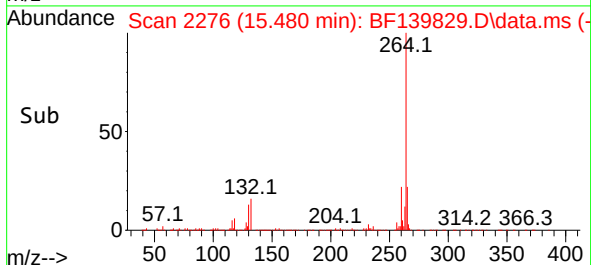
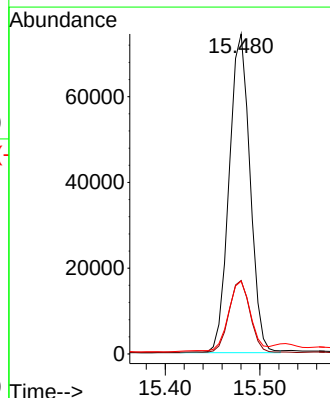
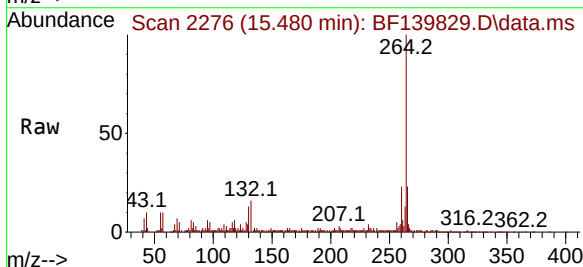
Tgt Ion:264 Resp: 113755

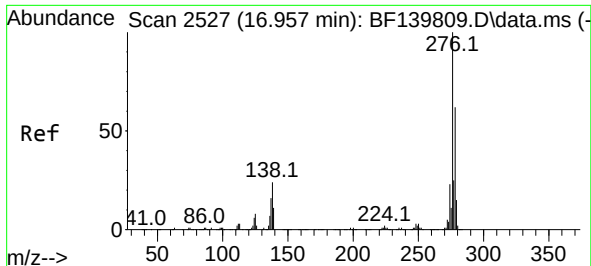
Ion Ratio Lower Upper

264 100

260 23.0 18.8 28.2

265 22.8 17.2 25.8

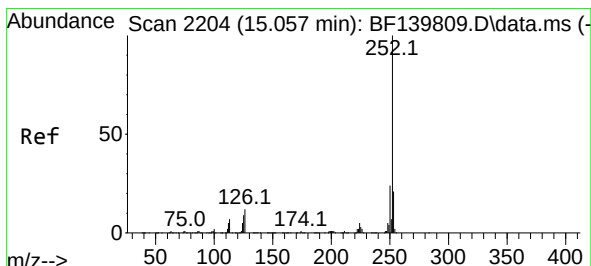
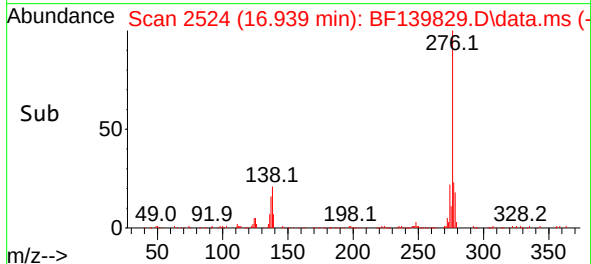
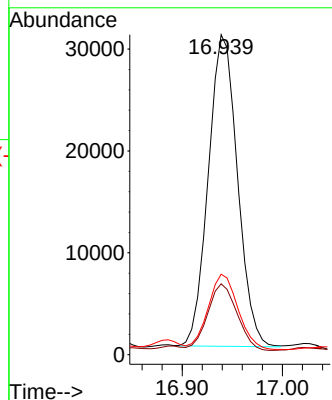
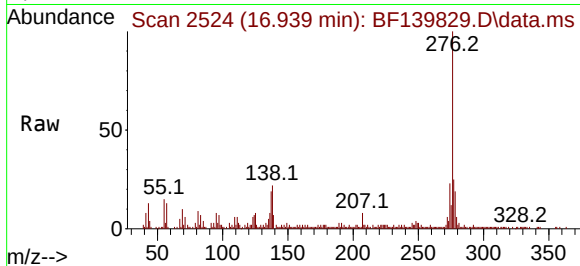




#87
Indeno(1,2,3-cd)pyrene
Concen: 8.111 ng
RT: 16.939 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF139829.D
Acq: 16 Oct 2024 14:07

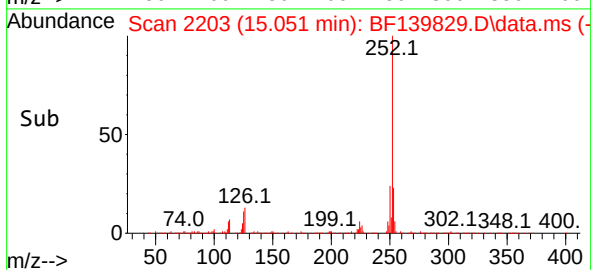
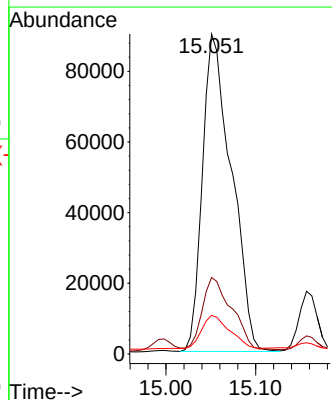
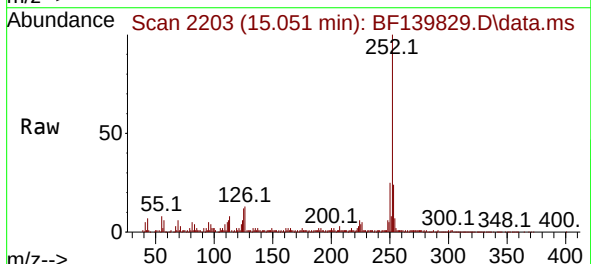
Instrument :
BNA_F
ClientSampleId :
SU-03-101424

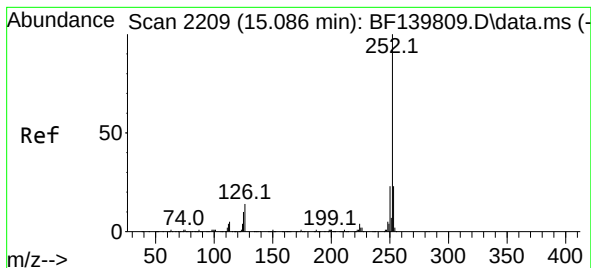
Tgt Ion:276 Resp: 61786
Ion Ratio Lower Upper
276 100
138 21.4 20.0 30.0
277 24.8 20.1 30.1



#88
Benzo(b)fluoranthene
Concen: 30.926 ng
RT: 15.051 min Scan# 2203
Delta R.T. -0.006 min
Lab File: BF139829.D
Acq: 16 Oct 2024 14:07

Tgt Ion:252 Resp: 201792
Ion Ratio Lower Upper
252 100
253 23.9 17.1 25.7
125 12.1 7.4 11.2#





#89

Benzo(k)fluoranthene

Concen: 34.848 ng

RT: 15.051 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF139829.D

Acq: 16 Oct 2024 14:07

Instrument :

BNA_F

ClientSampleId :

SU-03-101424

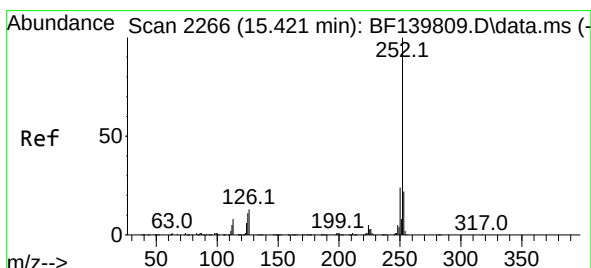
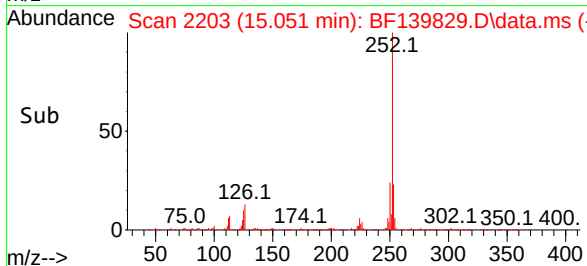
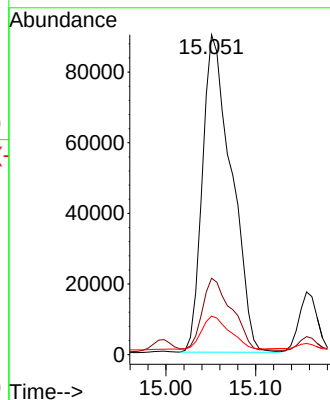
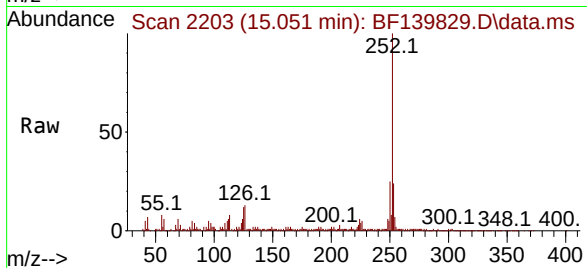
Tgt Ion:252 Resp: 201792

Ion Ratio Lower Upper

252 100

253 23.9 17.5 26.3

125 12.1 7.7 11.5#



#90

Benzo(a)pyrene

Concen: 18.639 ng

RT: 15.415 min Scan# 2265

Delta R.T. -0.006 min

Lab File: BF139829.D

Acq: 16 Oct 2024 14:07

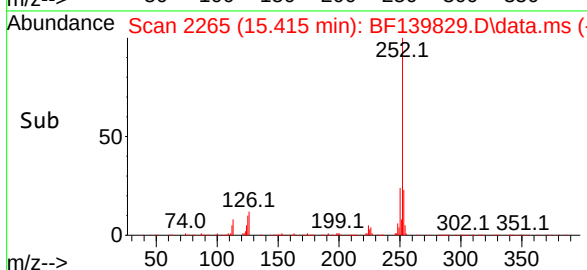
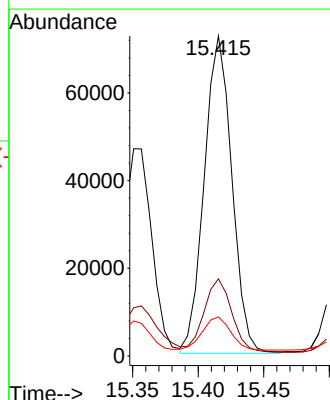
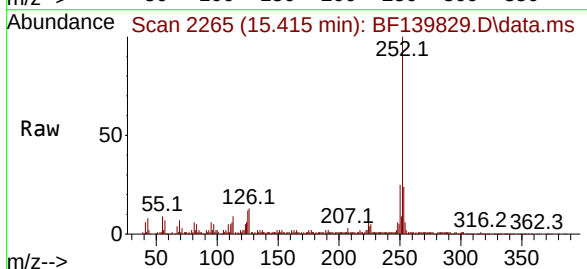
Tgt Ion:252 Resp: 106229

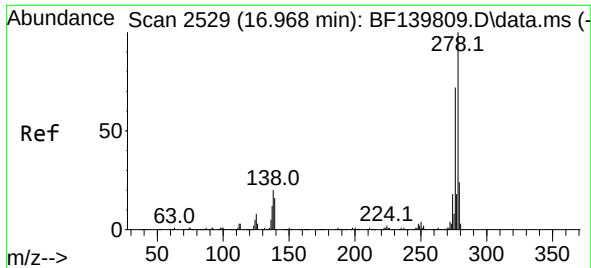
Ion Ratio Lower Upper

252 100

253 24.1 17.4 26.0

125 12.2 8.4 12.6

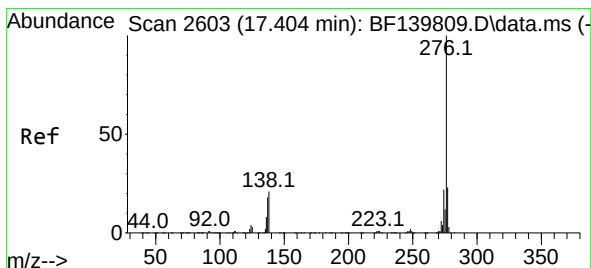
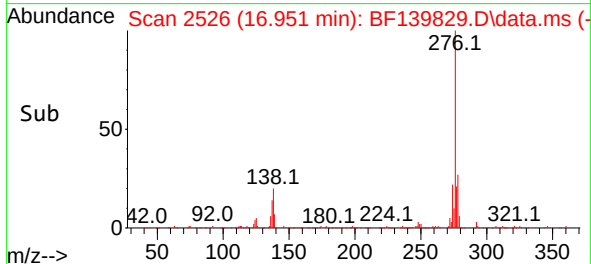
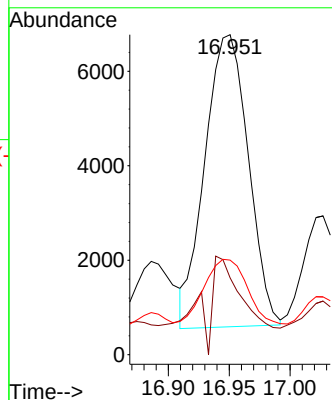
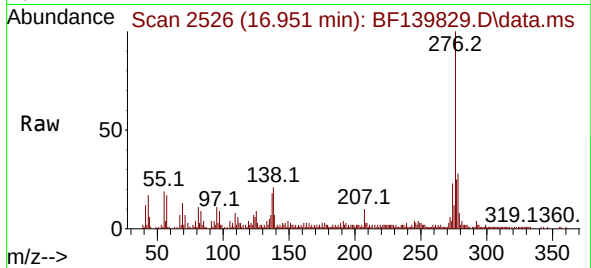




#91
Dibenzo(a,h)anthracene
Concen: 2.463 ng
RT: 16.951 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF139829.D
Acq: 16 Oct 2024 14:07

Instrument :
BNA_F
ClientSampleId :
SU-03-101424

Tgt Ion:278 Resp: 15383
Ion Ratio Lower Upper
278 100
139 24.0 13.0 19.4#
279 29.5 19.0 28.6#



#92
Benzo(g,h,i)perylene
Concen: 10.627 ng
RT: 17.386 min Scan# 2600
Delta R.T. -0.018 min
Lab File: BF139829.D
Acq: 16 Oct 2024 14:07

Tgt Ion:276 Resp: 69627
Ion Ratio Lower Upper
276 100
277 24.6 18.2 27.4
138 21.7 17.0 25.4

