

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043024\
 Data File : BF137780.D
 Acq On : 30 Apr 2024 20:04
 Operator : CG\JU
 Sample : P2309-01 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-042924

Quant Time: May 01 04:25:53 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 03:25:08 2024
 Response via : Initial Calibration

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

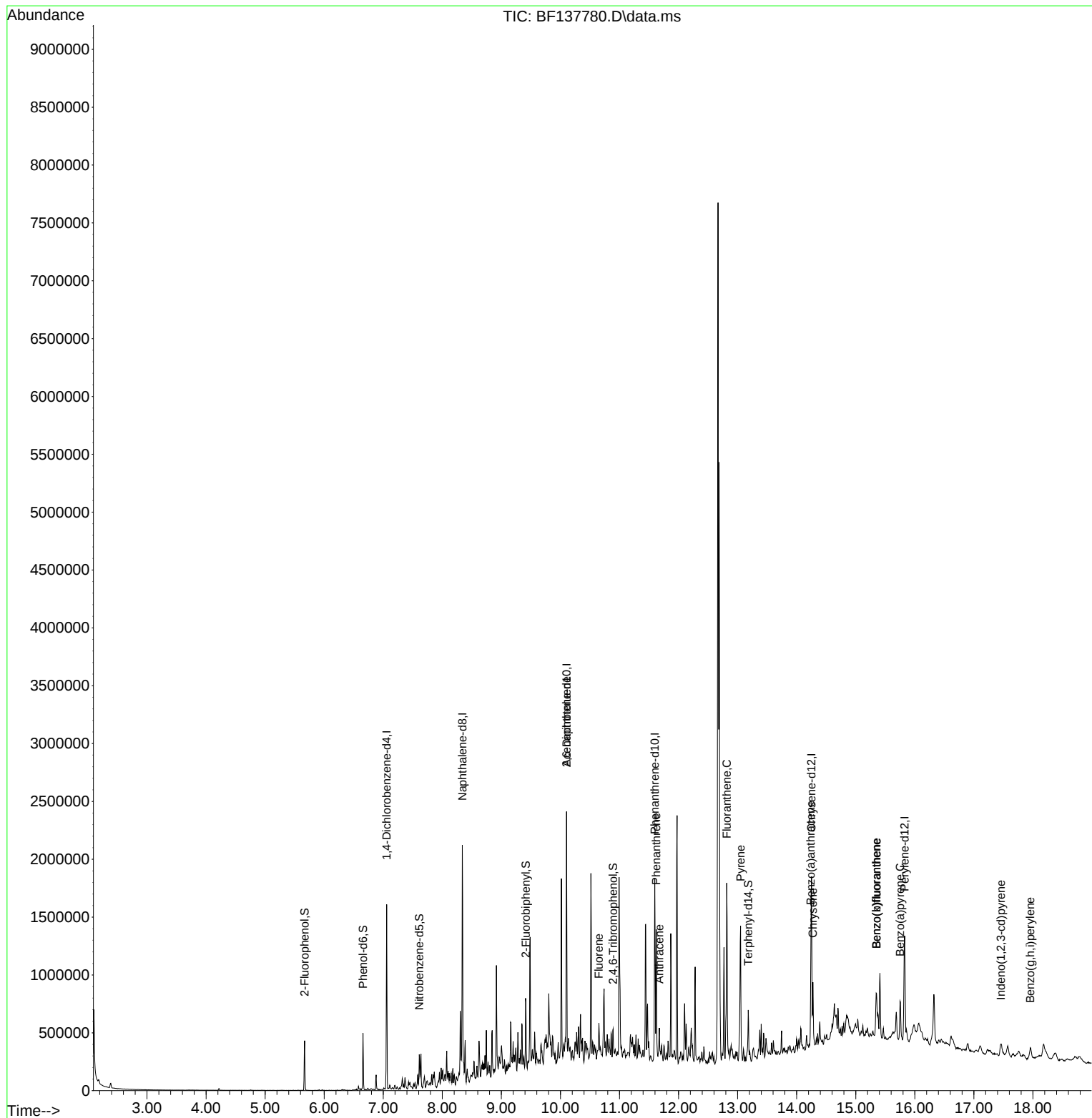
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.057	152	209384	20.000	ng	0.00
21) Naphthalene-d8	8.339	136	802014	20.000	ng	0.00
39) Acenaphthene-d10	10.104	164	392725	20.000	ng	0.00
64) Phenanthrene-d10	11.598	188	527125	20.000	ng	0.00
76) Chrysene-d12	14.251	240	426973	20.000	ng	0.00
86) Perylene-d12	15.827	264	424760	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.669	112	111350	8.904	ng	0.00
7) Phenol-d6	6.657	99	139427	8.790	ng	-0.02
23) Nitrobenzene-d5	7.610	82	76315	5.528	ng	-0.01
42) 2,4,6-Tribromophenol	10.892	330	26595	6.632	ng	0.00
45) 2-Fluorobiphenyl	9.416	172	173507	7.168	ng	0.00
79) Terphenyl-d14	13.180	244	127317	4.997	ng	0.00
Target Compounds						Qvalue
51) 2,6-Dinitrotoluene	10.104	165	58523	10.329	ng	# 27
58) Fluorene	10.651	166	59302	2.454	ng	98
71) Phenanthrene	11.621	178	345280	13.439	ng	99
72) Anthracene	11.674	178	101935	3.987	ng	98
75) Fluoranthene	12.816	202	420246	14.963	ng	98
78) Pyrene	13.051	202	403494	11.919	ng	99
81) Benzo(a)anthracene	14.239	228	246410	9.023	ng	98
83) Chrysene	14.274	228	203261	7.949	ng	97
87) Indeno(1,2,3-cd)pyrene	17.456	276	79721	3.301	ng	95
88) Benzo(b)fluoranthene	15.351	252	324014	12.261	ng	# 96
89) Benzo(k)fluoranthene	15.351	252	324014	12.685	ng	97
90) Benzo(a)pyrene	15.751	252	181249	8.407	ng	96
92) Benzo(g,h,i)perylene	17.956	276	73732	3.578	ng	# 95

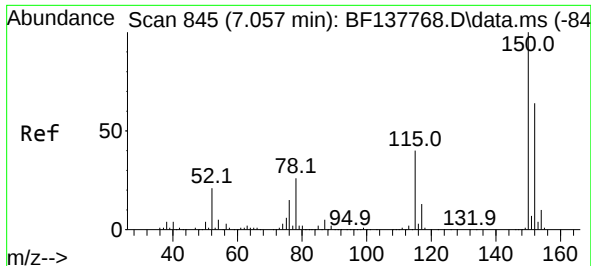
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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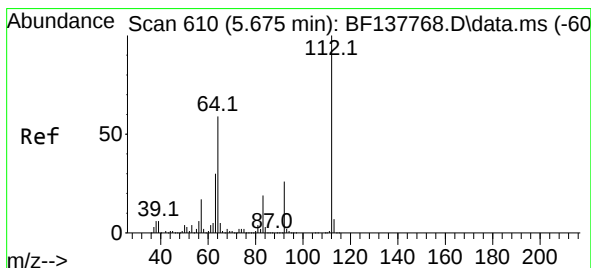
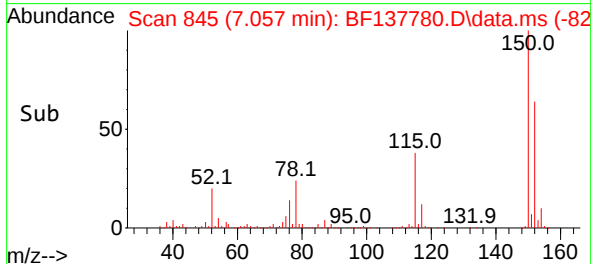
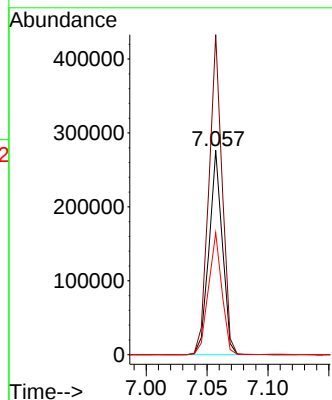
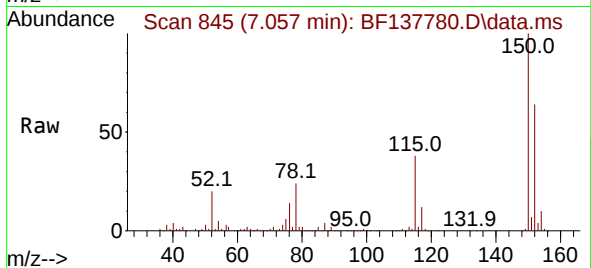




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.057 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF137780.D
Acq: 30 Apr 2024 20:04

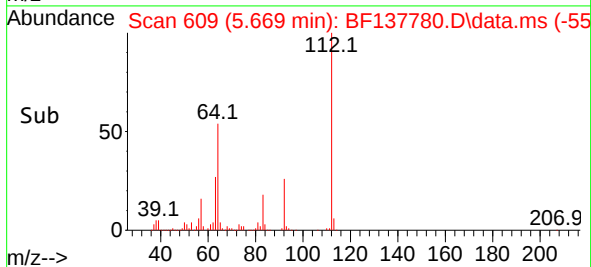
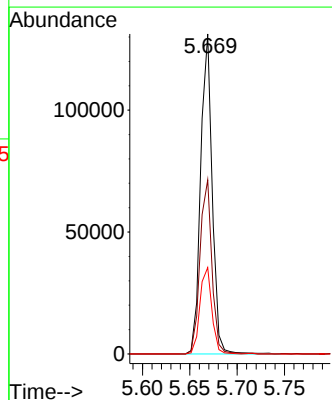
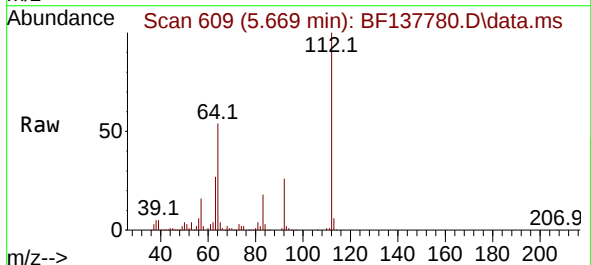
Instrument :
BNA_F
ClientSampleId :
TR-05-042924

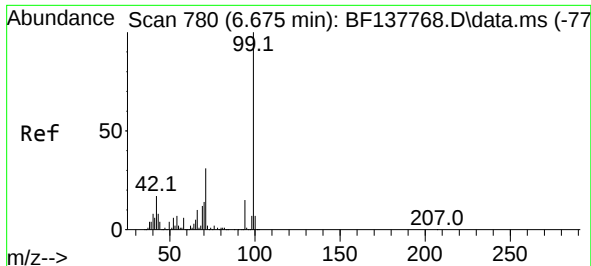
Tgt Ion:152 Resp: 209384
Ion Ratio Lower Upper
152 100
150 156.6 124.1 186.1
115 59.7 49.1 73.7



#5
2-Fluorophenol
Concen: 8.904 ng
RT: 5.669 min Scan# 609
Delta R.T. -0.006 min
Lab File: BF137780.D
Acq: 30 Apr 2024 20:04

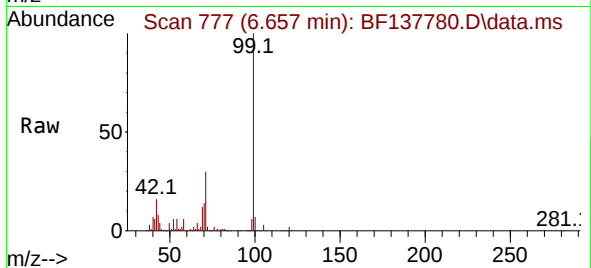
Tgt Ion:112 Resp: 111350
Ion Ratio Lower Upper
112 100
64 54.4 47.3 70.9
63 27.0 23.7 35.5





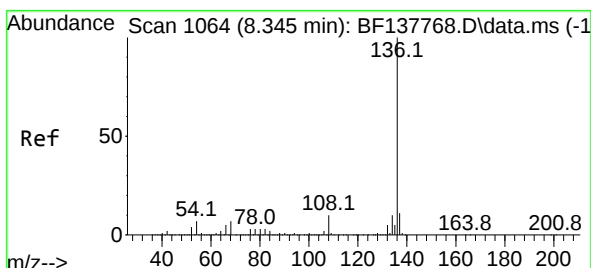
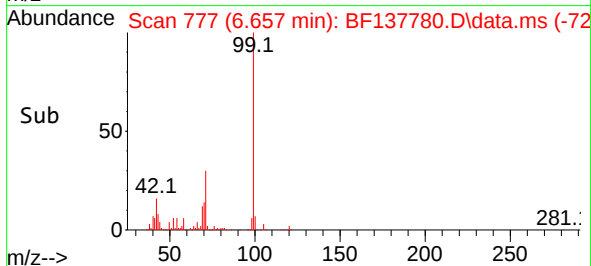
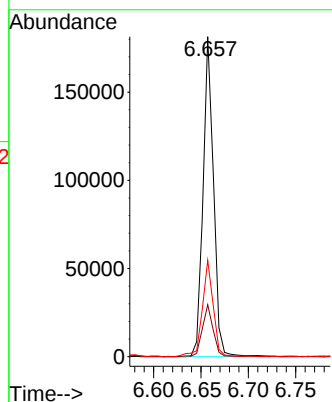
#7
Phenol-d6
Concen: 8.790 ng
RT: 6.657 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF137780.D
Acq: 30 Apr 2024 20:04

Instrument :
BNA_F
ClientSampleId :
TR-05-042924



Tgt Ion: 99 Resp: 139427

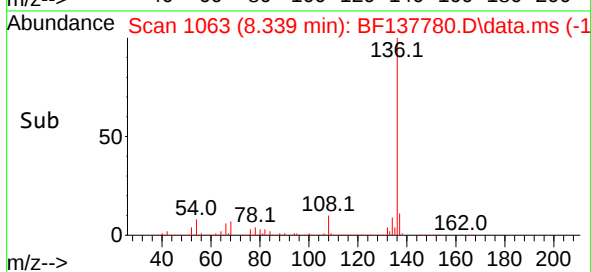
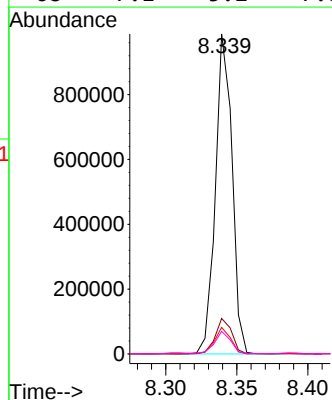
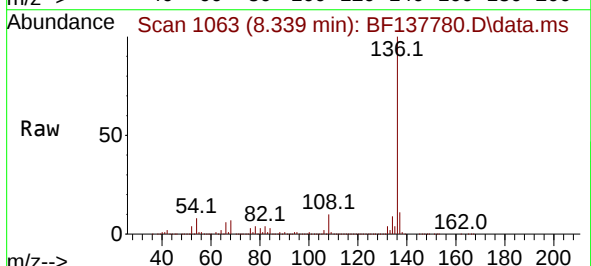
Ion	Ratio	Lower	Upper
99	100		
42	16.3	13.2	19.8
71	30.2	25.0	37.4

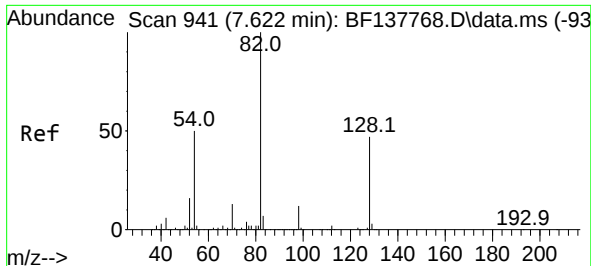


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.339 min Scan# 1063
Delta R.T. -0.006 min
Lab File: BF137780.D
Acq: 30 Apr 2024 20:04

Tgt Ion: 136 Resp: 802014

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	8.3	5.8	8.8
68	7.1	5.2	7.8





#23

Nitrobenzene-d5

Concen: 5.528 ng

RT: 7.610 min Scan# 91

Delta R.T. -0.012 min

Lab File: BF137780.D

Acq: 30 Apr 2024 20:04

Instrument :

BNA_F

ClientSampleId :

TR-05-042924

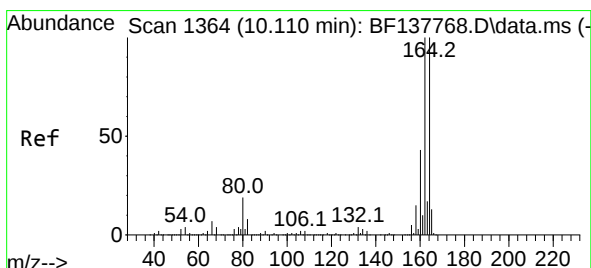
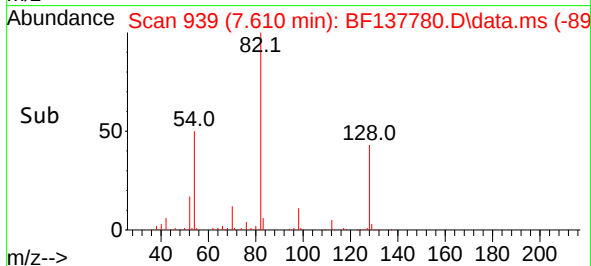
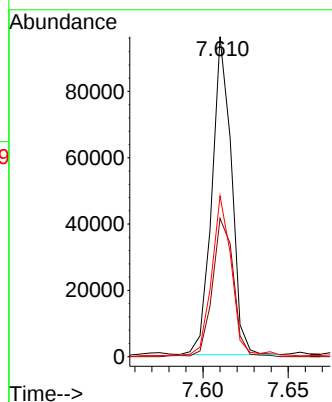
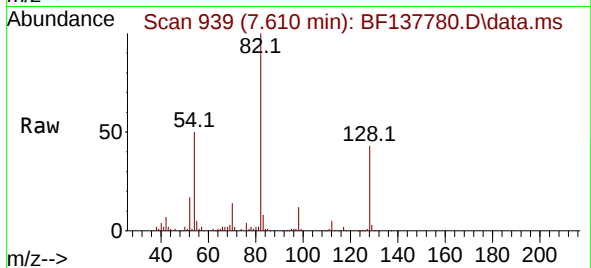
Tgt Ion: 82 Resp: 76315

Ion Ratio Lower Upper

82 100

128 43.2 37.5 56.3

54 50.3 39.8 59.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.104 min Scan# 1363

Delta R.T. -0.006 min

Lab File: BF137780.D

Acq: 30 Apr 2024 20:04

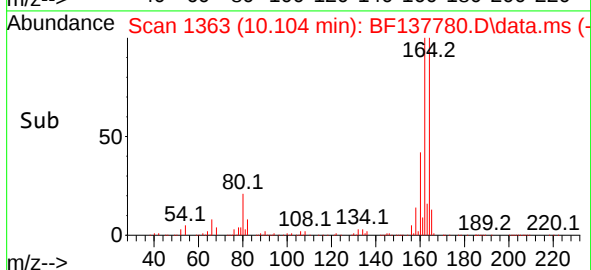
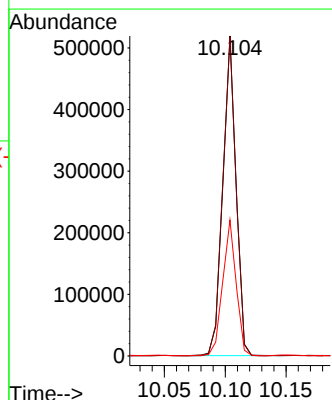
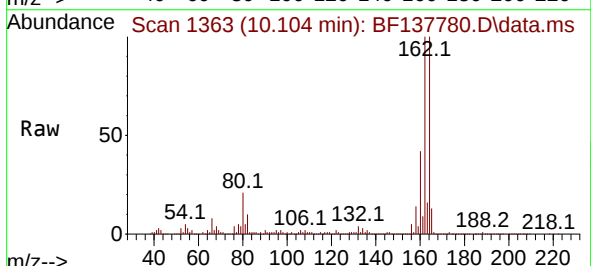
Tgt Ion: 164 Resp: 392725

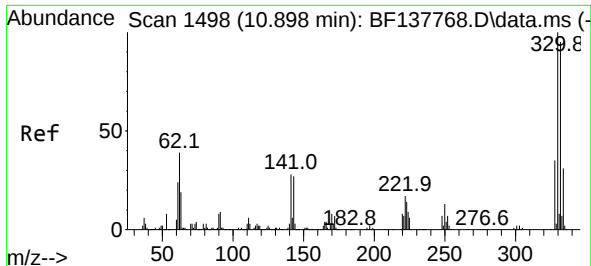
Ion Ratio Lower Upper

164 100

162 99.8 79.8 119.6

160 42.5 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 6.632 ng

RT: 10.892 min Scan# 1498

Delta R.T. -0.006 min

Lab File: BF137780.D

Acq: 30 Apr 2024 20:04

Instrument :

BNA_F

ClientSampleId :

TR-05-042924

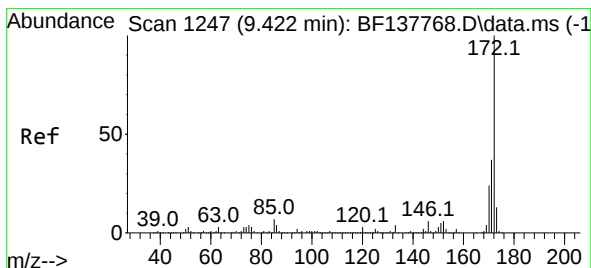
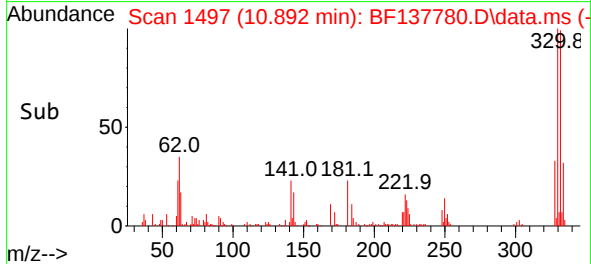
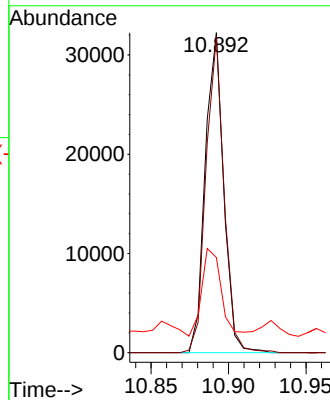
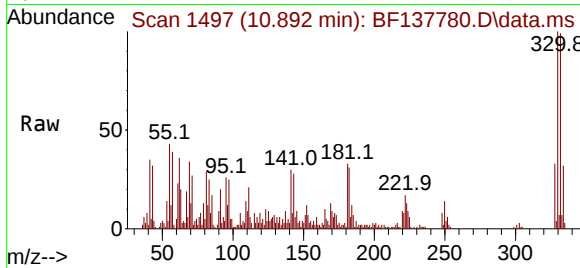
Tgt Ion:330 Resp: 26595

Ion Ratio Lower Upper

330 100

332 96.9 77.3 115.9

141 28.7 23.8 35.6



#45

2-Fluorobiphenyl

Concen: 7.168 ng

RT: 9.416 min Scan# 1246

Delta R.T. -0.006 min

Lab File: BF137780.D

Acq: 30 Apr 2024 20:04

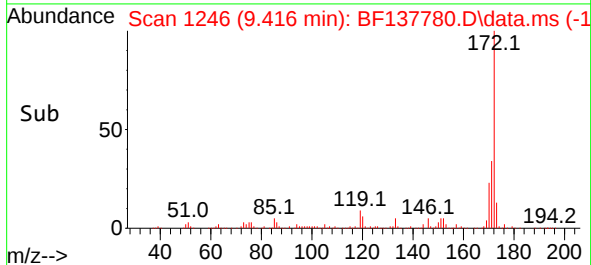
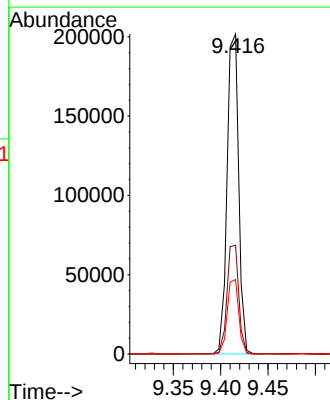
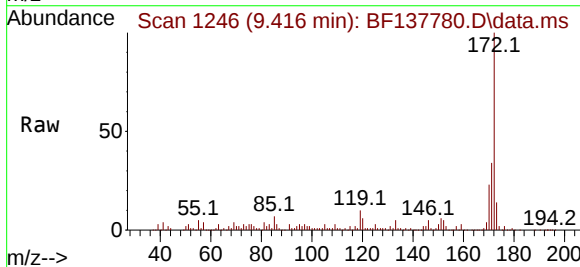
Tgt Ion:172 Resp: 173507

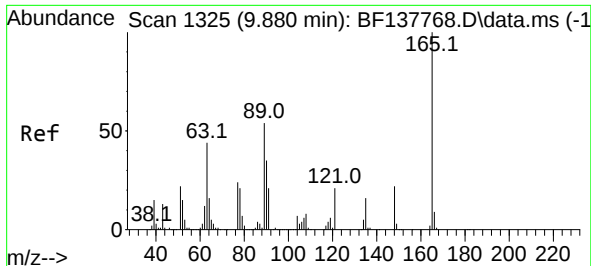
Ion Ratio Lower Upper

172 100

171 34.0 29.6 44.4

170 23.2 19.4 29.2

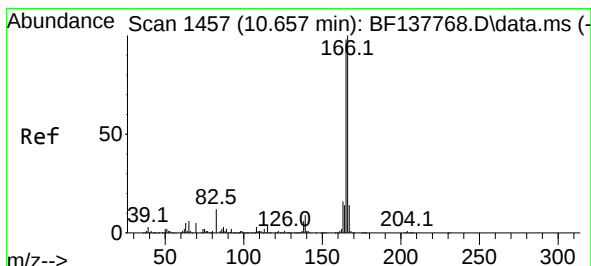
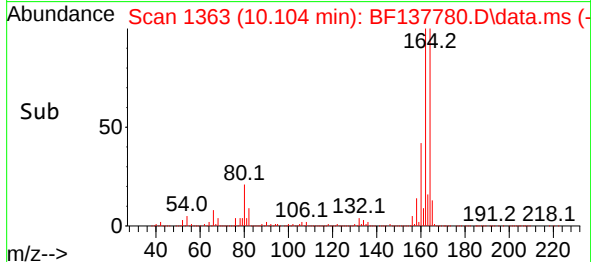
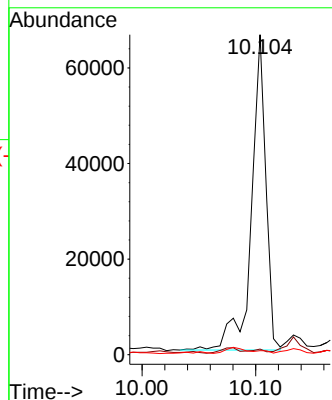
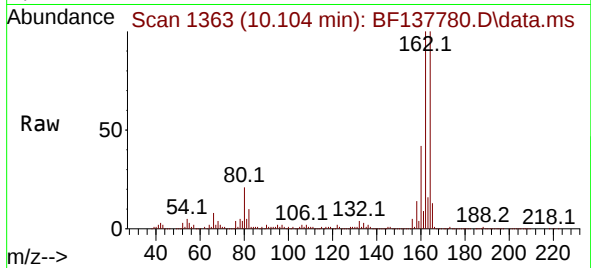




#51
2,6-Dinitrotoluene
Concen: 10.329 ng
RT: 10.104 min Scan# 11
Delta R.T. 0.223 min
Lab File: BF137780.D
Acq: 30 Apr 2024 20:04

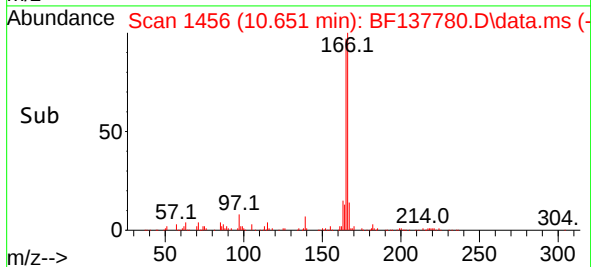
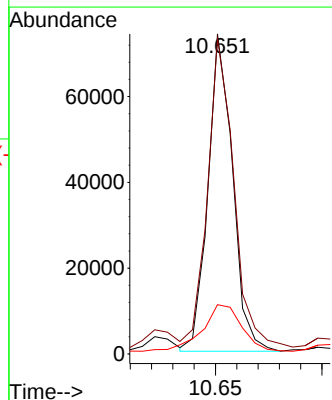
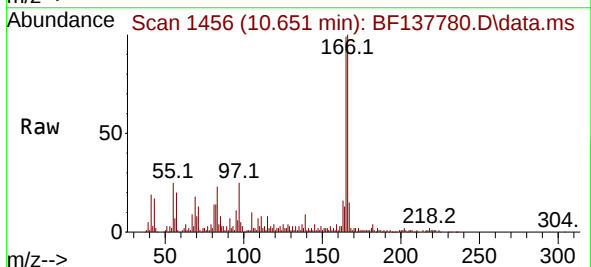
Instrument :
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TR-05-042924

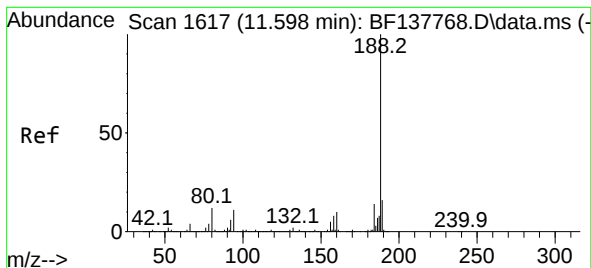
Tgt Ion:165 Resp: 58523
Ion Ratio Lower Upper
165 100
63 1.8 41.9 62.9#
89 1.3 43.2 64.8#



#58
Fluorene
Concen: 2.454 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF137780.D
Acq: 30 Apr 2024 20:04

Tgt Ion:166 Resp: 59302
Ion Ratio Lower Upper
166 100
165 98.8 78.2 117.2
167 15.4 10.9 16.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.598 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF137780.D

Acq: 30 Apr 2024 20:04

Instrument :

BNA_F

ClientSampleId :

TR-05-042924

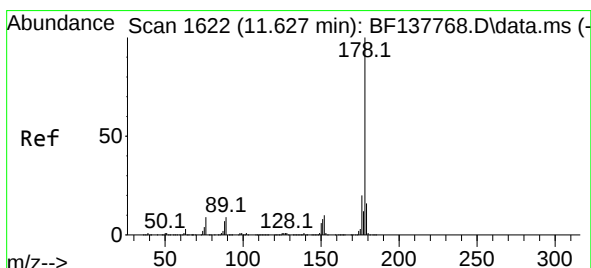
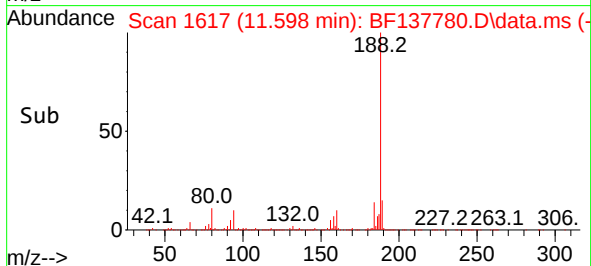
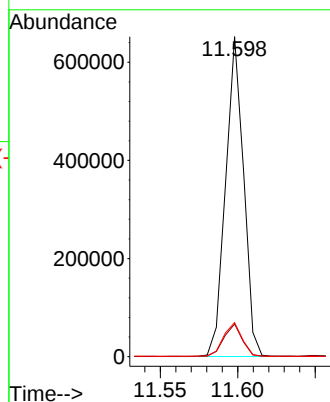
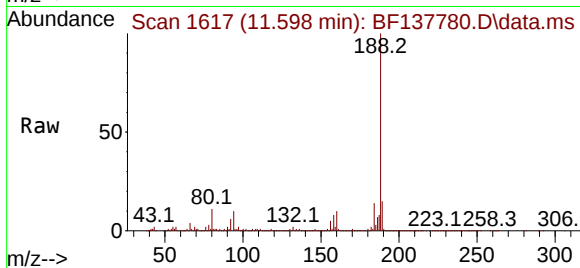
Tgt Ion:188 Resp: 527125

Ion Ratio Lower Upper

188 100

94 10.2 8.8 13.2

80 10.7 9.6 14.4



#71

Phenanthrene

Concen: 13.439 ng

RT: 11.621 min Scan# 1621

Delta R.T. -0.006 min

Lab File: BF137780.D

Acq: 30 Apr 2024 20:04

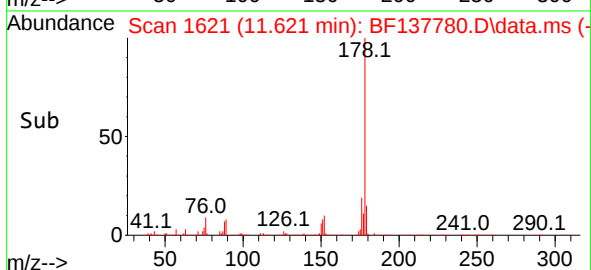
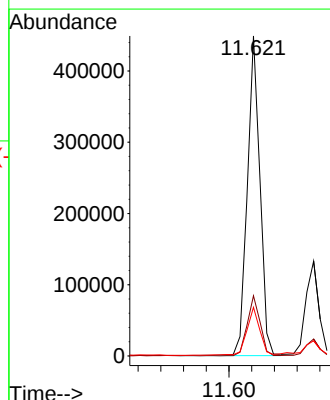
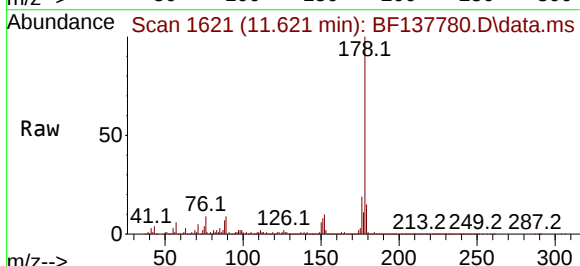
Tgt Ion:178 Resp: 345280

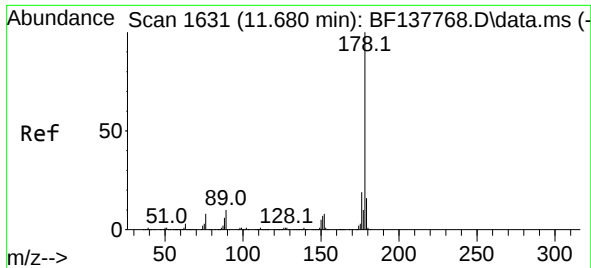
Ion Ratio Lower Upper

178 100

176 18.8 15.8 23.6

179 15.2 12.5 18.7

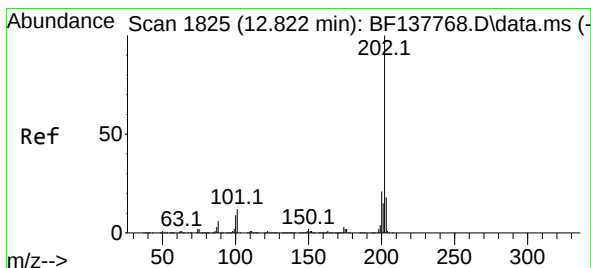
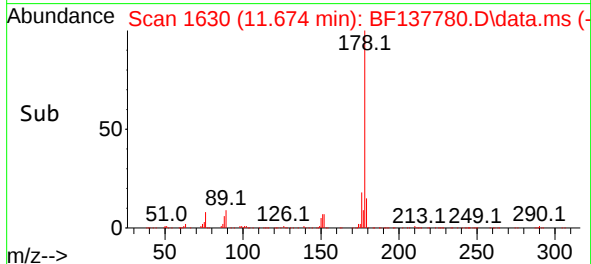
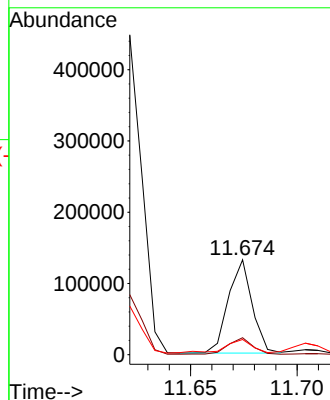
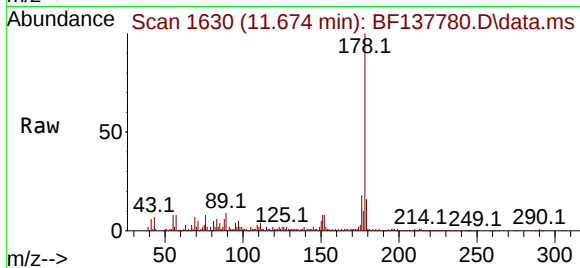




#72
 Anthracene
 Concen: 3.987 ng
 RT: 11.674 min Scan# 1630
 Delta R.T. -0.006 min
 Lab File: BF137780.D
 Acq: 30 Apr 2024 20:04

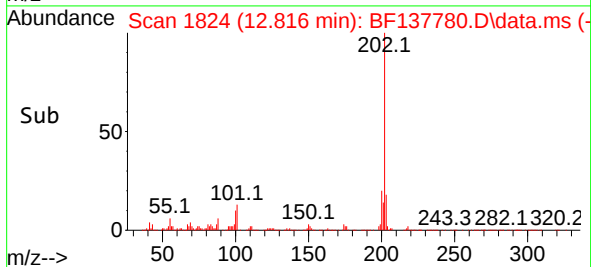
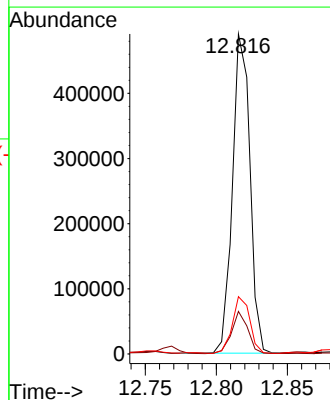
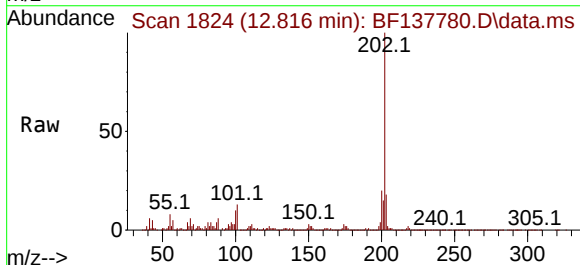
Instrument :
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 TR-05-042924

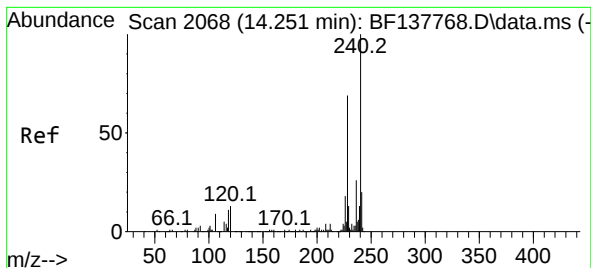
Tgt Ion:178 Resp: 101935
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.2 22.8
 179 16.0 12.6 18.8



#75
 Fluoranthene
 Concen: 14.963 ng
 RT: 12.816 min Scan# 1824
 Delta R.T. -0.006 min
 Lab File: BF137780.D
 Acq: 30 Apr 2024 20:04

Tgt Ion:202 Resp: 420246
 Ion Ratio Lower Upper
 202 100
 101 13.3 0.0 31.8
 203 17.9 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.251 min Scan# 2068

Delta R.T. -0.000 min

Lab File: BF137780.D

Acq: 30 Apr 2024 20:04

Instrument :

BNA_F

ClientSampleId :

TR-05-042924

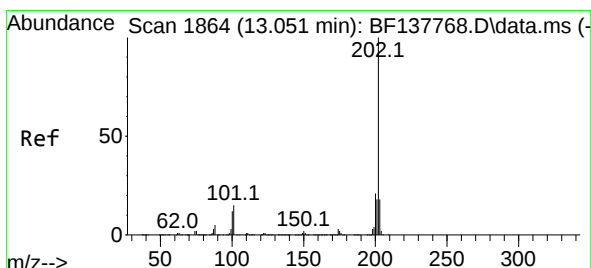
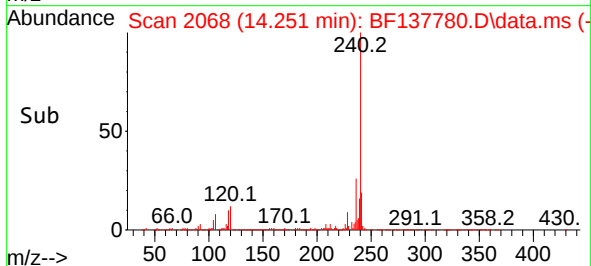
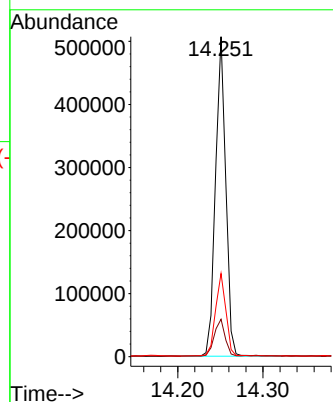
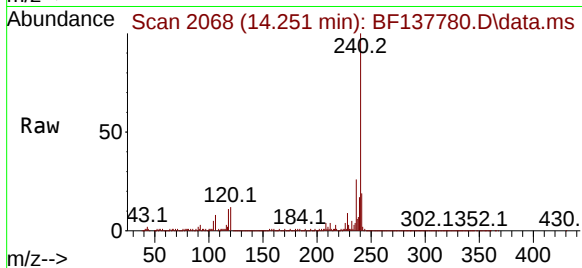
Tgt Ion:240 Resp: 426973

Ion Ratio Lower Upper

240 100

120 11.7 10.4 15.6

236 26.0 20.4 30.6



#78

Pyrene

Concen: 11.919 ng

RT: 13.051 min Scan# 1864

Delta R.T. -0.000 min

Lab File: BF137780.D

Acq: 30 Apr 2024 20:04

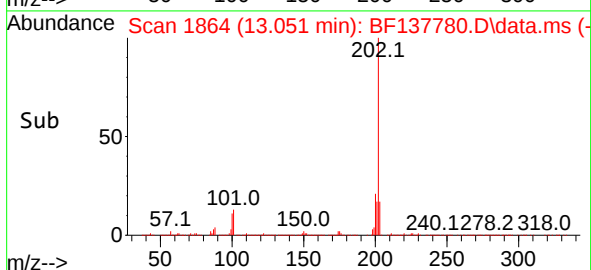
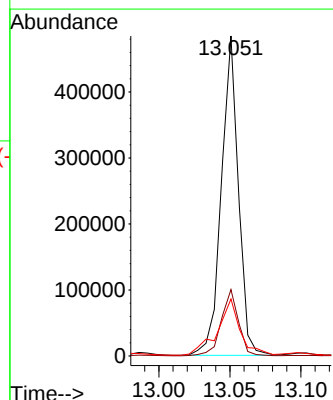
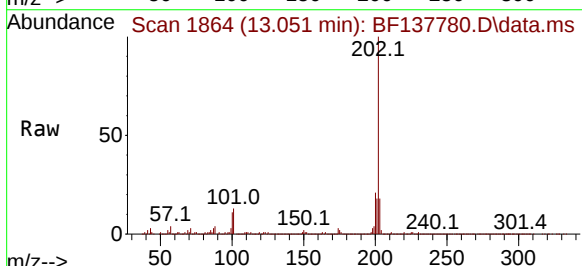
Tgt Ion:202 Resp: 403494

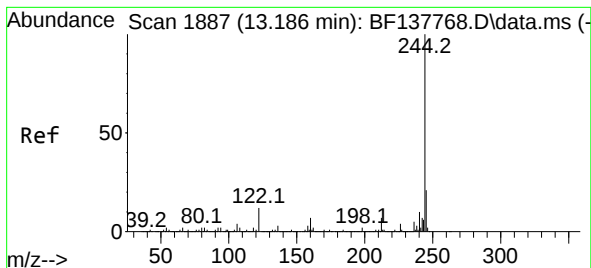
Ion Ratio Lower Upper

202 100

200 20.7 17.2 25.8

203 17.8 14.4 21.6





#79

Terphenyl-d14

Concen: 4.997 ng

RT: 13.180 min Scan# 1887

Delta R.T. -0.006 min

Lab File: BF137780.D

Acq: 30 Apr 2024 20:04

Instrument :

BNA_F

ClientSampleId :

TR-05-042924

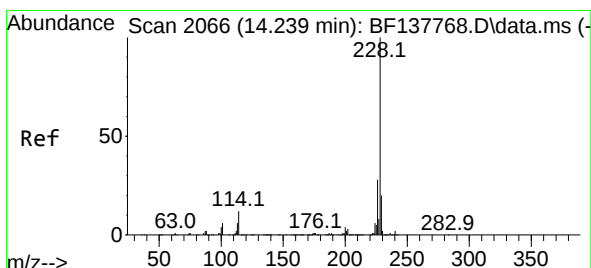
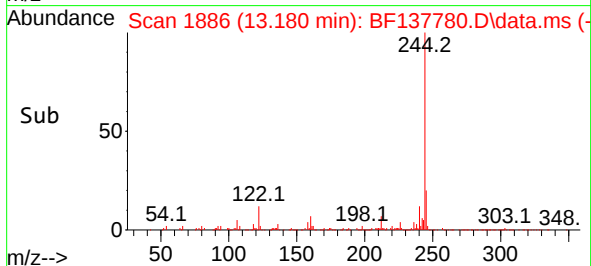
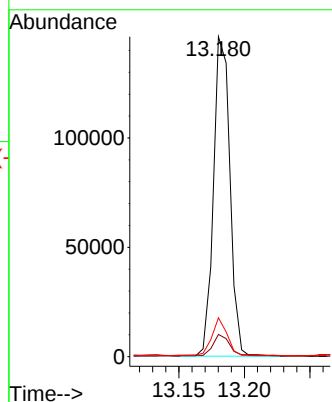
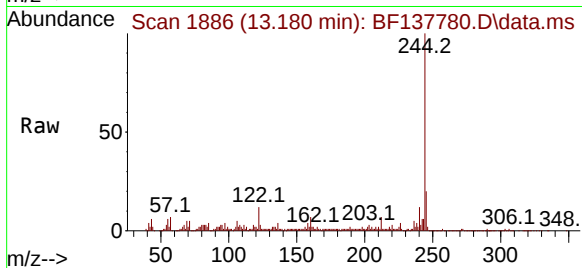
Tgt Ion:244 Resp: 127317

Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

122 12.2 9.4 14.2



#81

Benzo(a)anthracene

Concen: 9.023 ng

RT: 14.239 min Scan# 2066

Delta R.T. -0.000 min

Lab File: BF137780.D

Acq: 30 Apr 2024 20:04

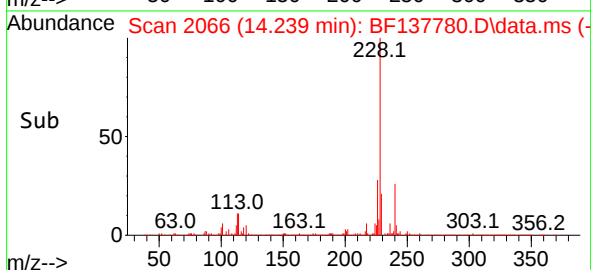
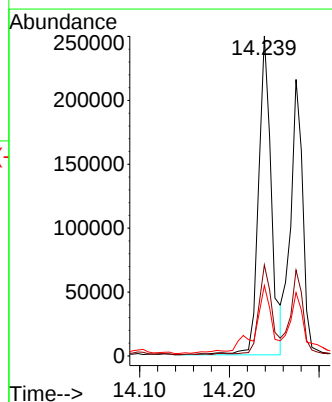
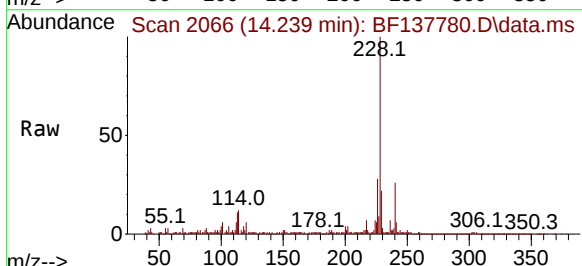
Tgt Ion:228 Resp: 246410

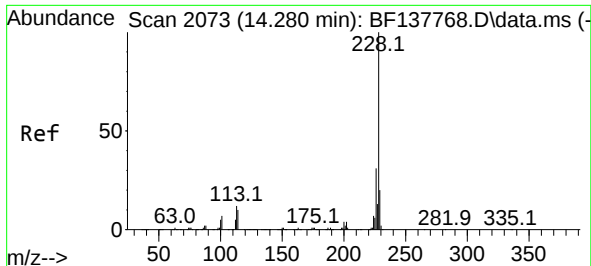
Ion Ratio Lower Upper

228 100

226 28.4 22.2 33.2

229 22.0 16.3 24.5

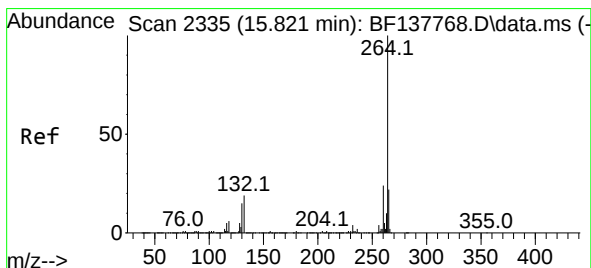
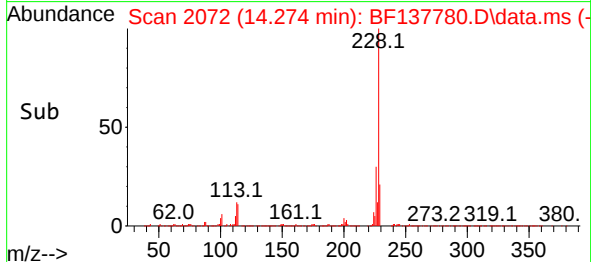
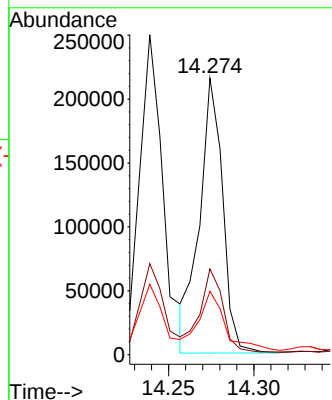
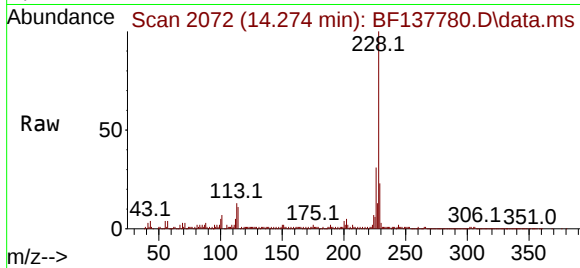




#83
Chrysene
Concen: 7.949 ng
RT: 14.274 min Scan# 2073
Delta R.T. -0.006 min
Lab File: BF137780.D
Acq: 30 Apr 2024 20:04

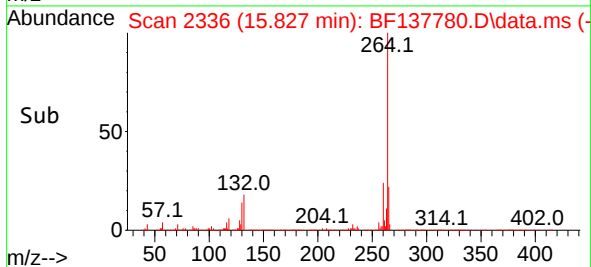
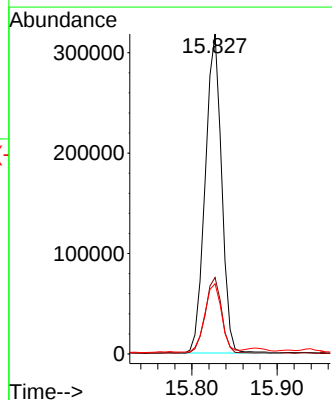
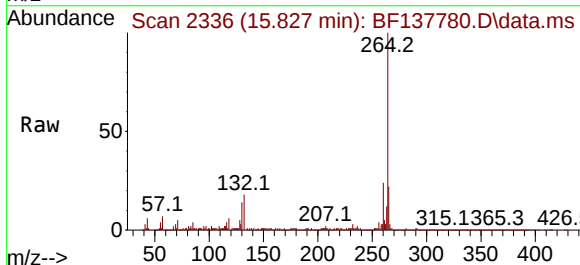
Instrument :
BNA_F
ClientSampleId :
TR-05-042924

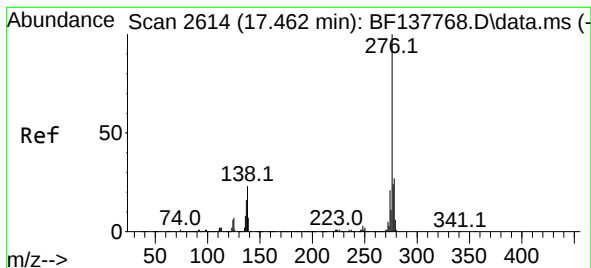
Tgt Ion:228 Resp: 203261
Ion Ratio Lower Upper
228 100
226 31.0 24.8 37.2
229 23.0 16.0 24.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.827 min Scan# 2336
Delta R.T. 0.006 min
Lab File: BF137780.D
Acq: 30 Apr 2024 20:04

Tgt Ion:264 Resp: 424760
Ion Ratio Lower Upper
264 100
260 23.9 18.9 28.3
265 22.0 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.301 ng

RT: 17.456 min Scan# 2

Delta R.T. -0.006 min

Lab File: BF137780.D

Acq: 30 Apr 2024 20:04

Instrument :

BNA_F

ClientSampleId :

TR-05-042924

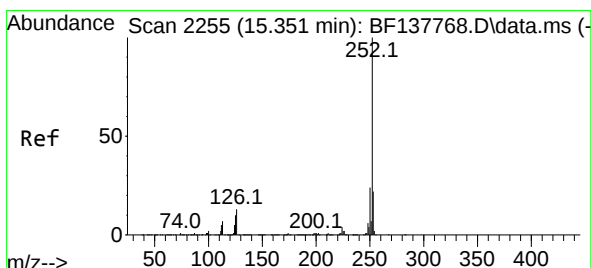
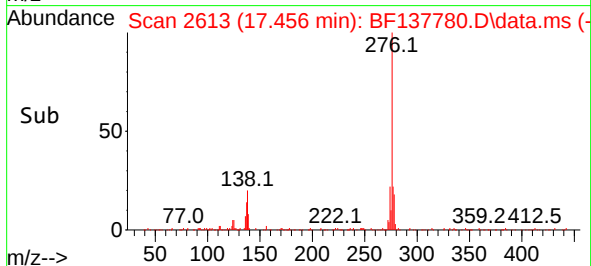
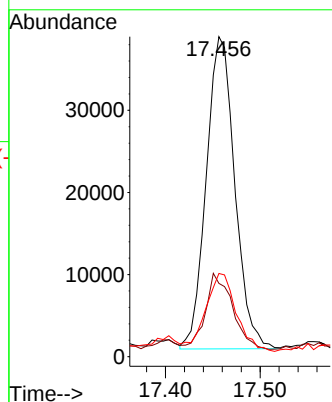
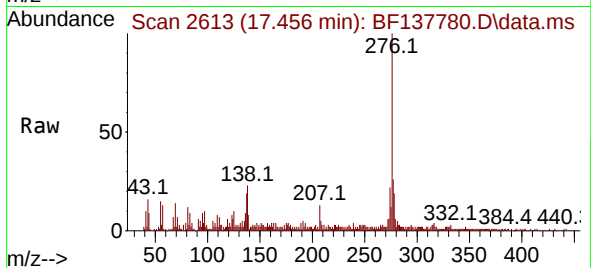
Tgt Ion:276 Resp: 79721

Ion Ratio Lower Upper

276 100

138 23.0 21.4 32.0

277 26.8 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 12.261 ng

RT: 15.351 min Scan# 2255

Delta R.T. -0.000 min

Lab File: BF137780.D

Acq: 30 Apr 2024 20:04

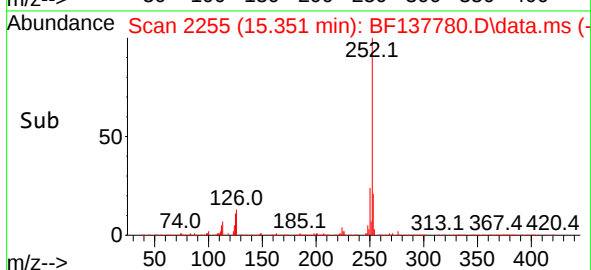
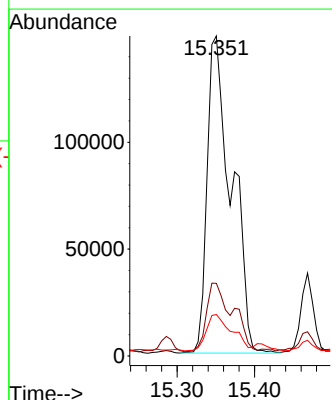
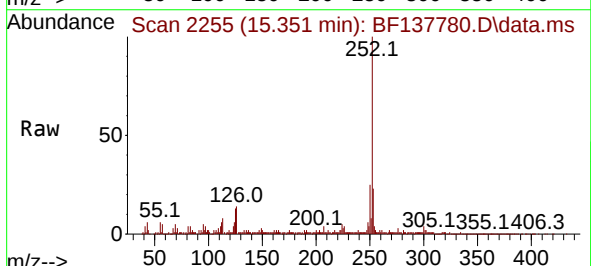
Tgt Ion:252 Resp: 324014

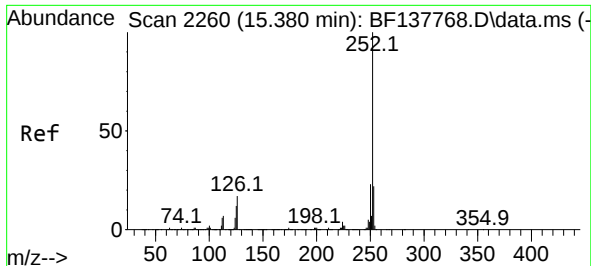
Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

125 13.0 7.9 11.9#

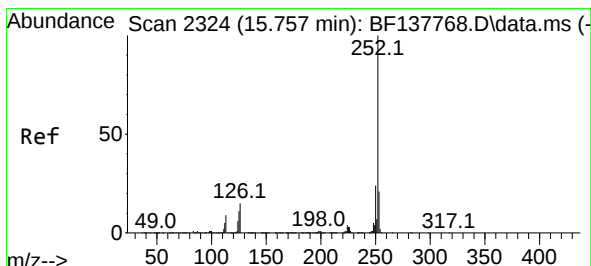
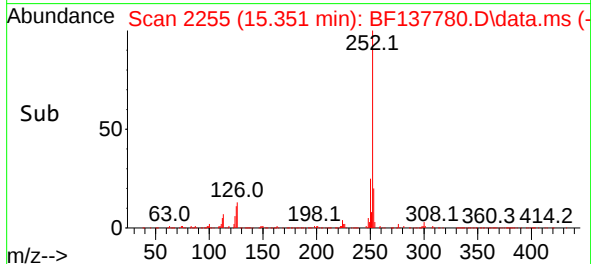
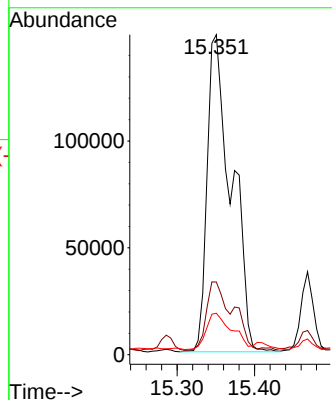
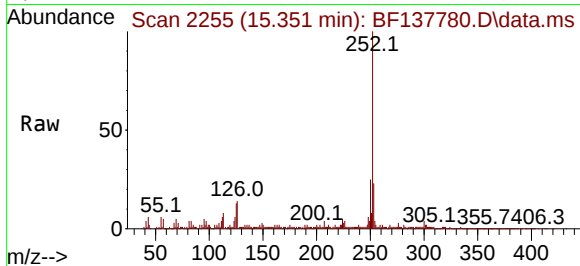




#89
Benzo(k)fluoranthene
Concen: 12.685 ng
RT: 15.351 min Scan# 21
Delta R.T. -0.030 min
Lab File: BF137780.D
Acq: 30 Apr 2024 20:04

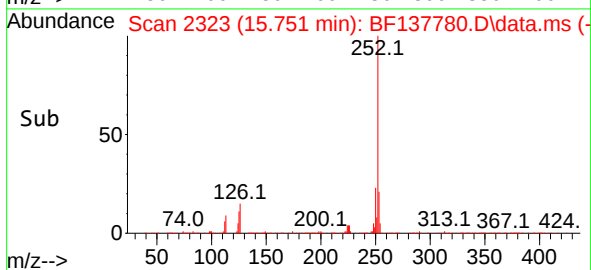
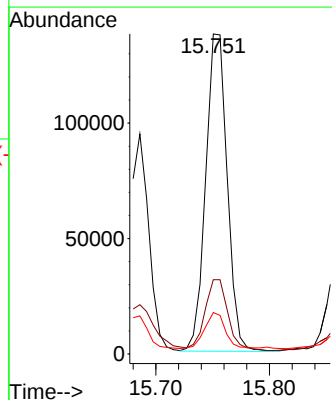
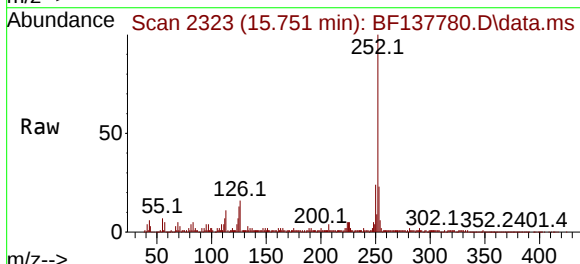
Instrument :
BNA_F
ClientSampleId :
TR-05-042924

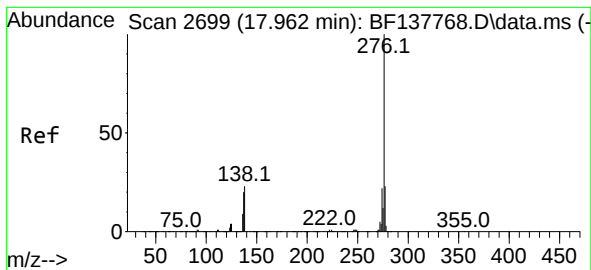
Tgt Ion:252 Resp: 324014
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 13.0 9.0 13.4



#90
Benzo(a)pyrene
Concen: 8.407 ng
RT: 15.751 min Scan# 2323
Delta R.T. -0.006 min
Lab File: BF137780.D
Acq: 30 Apr 2024 20:04

Tgt Ion:252 Resp: 181249
Ion Ratio Lower Upper
252 100
253 23.2 17.1 25.7
125 12.9 9.0 13.6





#92

Benzo(g,h,i)perylene

Concen: 3.578 ng

RT: 17.956 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF137780.D

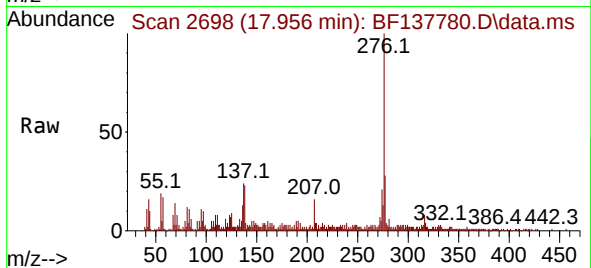
Acq: 30 Apr 2024 20:04

Instrument :

BNA_F

ClientSampleId :

TR-05-042924



Tgt Ion:276 Resp: 73732

Ion Ratio Lower Upper

276 100

277 27.5 18.0 27.0#

138 22.8 18.1 27.1

