

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043024\
 Data File : BF137777.D
 Acq On : 30 Apr 2024 18:31
 Operator : CG\JU
 Sample : P2294-06
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FOOT-PRINT-B-3

Quant Time: May 01 04:24:36 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)

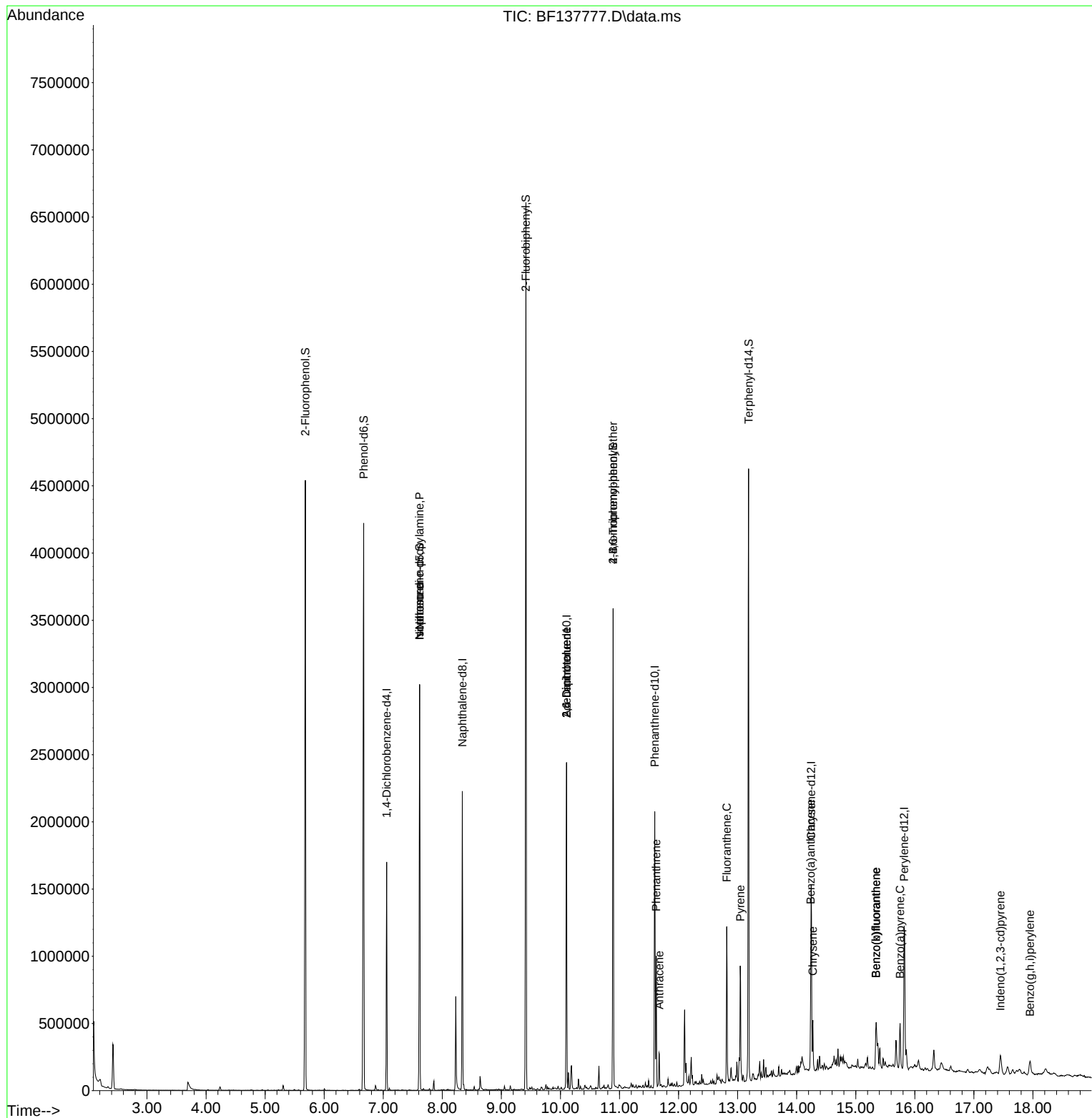
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.057	152	228669	20.000	ng	0.00
21) Naphthalene-d8	8.339	136	876796	20.000	ng	0.00
39) Acenaphthene-d10	10.104	164	470063	20.000	ng	0.00
64) Phenanthrene-d10	11.598	188	714726	20.000	ng	0.00
76) Chrysene-d12	14.245	240	410181	20.000	ng	0.00
86) Perylene-d12	15.821	264	526694	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.681	112	1252568	91.712	ng	0.00
7) Phenol-d6	6.669	99	1568410	90.537	ng	0.00
23) Nitrobenzene-d5	7.616	82	959118	63.553	ng	0.00
42) 2,4,6-Tribromophenol	10.892	330	421002	87.719	ng	0.00
45) 2-Fluorobiphenyl	9.416	172	1910168	65.927	ng	0.00
79) Terphenyl-d14	13.186	244	1538066	62.840	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.616	70	125343	12.107	ng	# 77
25) Isophorone	7.616	82	959027	35.245	ng	# 64
51) 2,6-Dinitrotoluene	10.104	165	62229	9.176	ng	# 27
57) 2,4-Dinitrotoluene	10.104	165	62229	7.024	ng	# 26
67) 4-Bromophenyl-phenylether	10.892	248	27077	3.540	ng	# 1
71) Phenanthrene	11.622	178	325893	9.355	ng	99
72) Anthracene	11.674	178	96447	2.782	ng	99
75) Fluoranthene	12.816	202	422787	11.102	ng	99
78) Pyrene	13.045	202	338844	10.419	ng	99
81) Benzo(a)anthracene	14.239	228	167057	6.368	ng	99
83) Chrysene	14.274	228	150298	6.119	ng	97
87) Indeno(1,2,3-cd)pyrene	17.451	276	99800	3.333	ng	96
88) Benzo(b)fluoranthene	15.345	252	293658	8.961	ng	98
89) Benzo(k)fluoranthene	15.345	252	293557	9.268	ng	100
90) Benzo(a)pyrene	15.751	252	168254	6.294	ng	98
92) Benzo(g,h,i)perylene	17.951	276	89926	3.519	ng	95

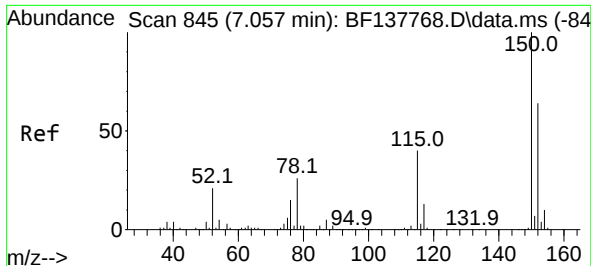
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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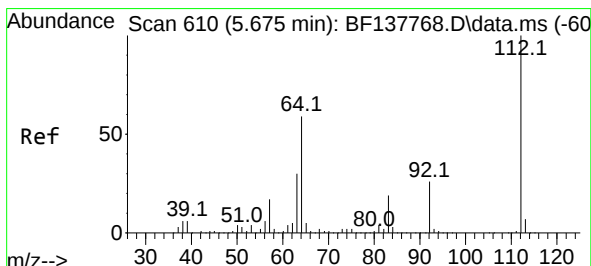
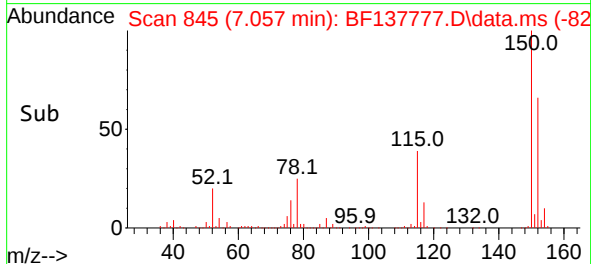
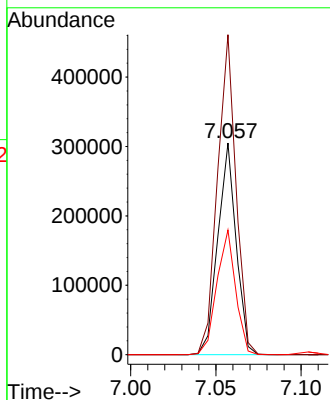
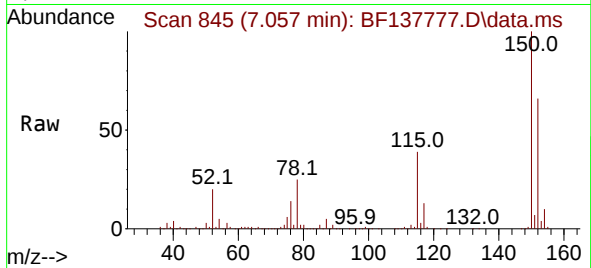




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.057 min Scan# 845
Delta R.T. 0.000 min
Lab File: BF137777.D
Acq: 30 Apr 2024 18:31

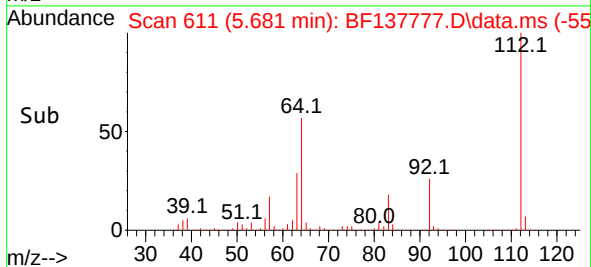
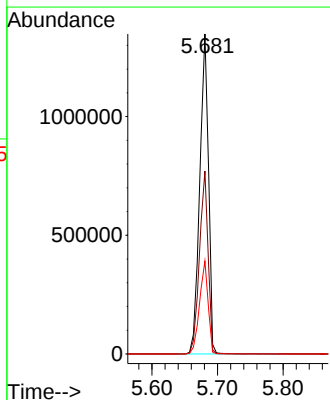
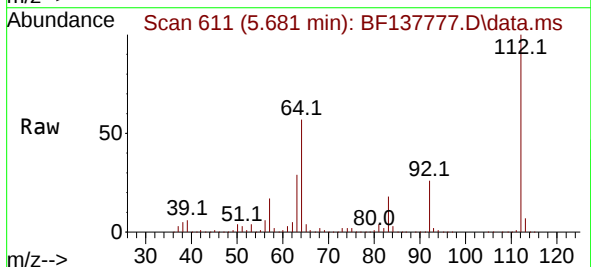
Instrument :
BNA_F
ClientSampleId :
FOOT-PRINT-B-3

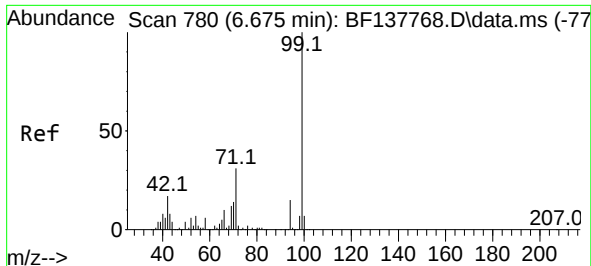
Tgt Ion:152 Resp: 228669
Ion Ratio Lower Upper
152 100
150 151.2 124.1 186.1
115 58.9 49.1 73.7



#5
2-Fluorophenol
Concen: 91.712 ng
RT: 5.681 min Scan# 611
Delta R.T. 0.006 min
Lab File: BF137777.D
Acq: 30 Apr 2024 18:31

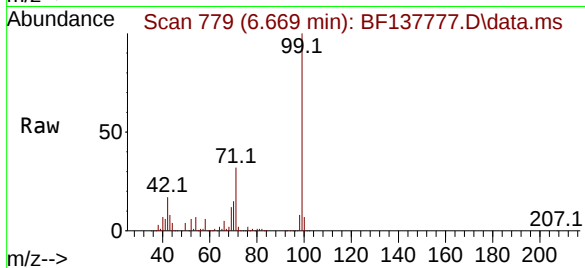
Tgt Ion:112 Resp: 1252568
Ion Ratio Lower Upper
112 100
64 57.2 47.3 70.9
63 29.0 23.7 35.5





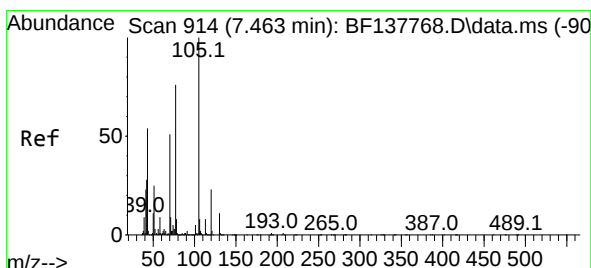
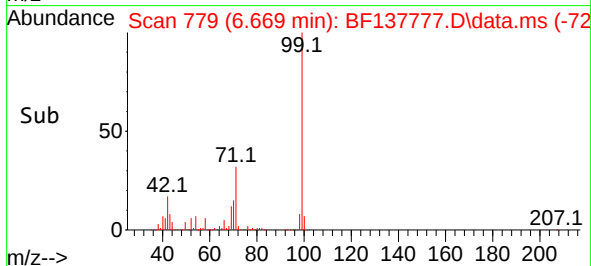
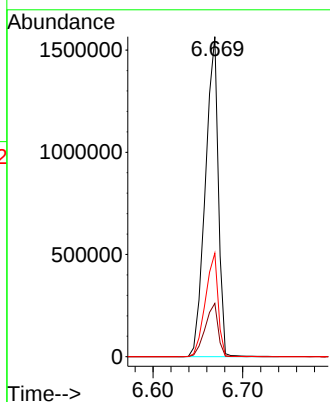
#7
Phenol-d6
Concen: 90.537 ng
RT: 6.669 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137777.D
Acq: 30 Apr 2024 18:31

Instrument :
BNA_F
ClientSampleId :
FOOT-PRINT-B-3



Tgt Ion: 99 Resp: 1568410

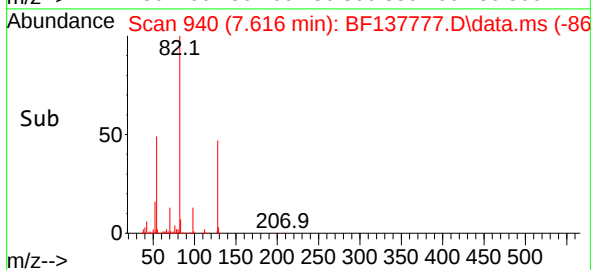
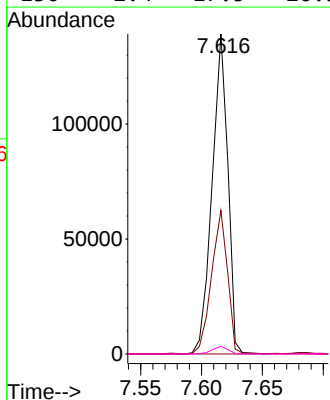
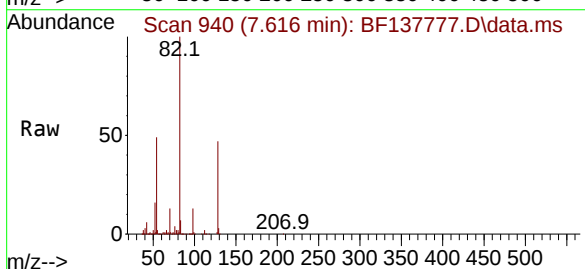
Ion	Ratio	Lower	Upper
99	100		
42	16.6	13.2	19.8
71	32.4	25.0	37.4

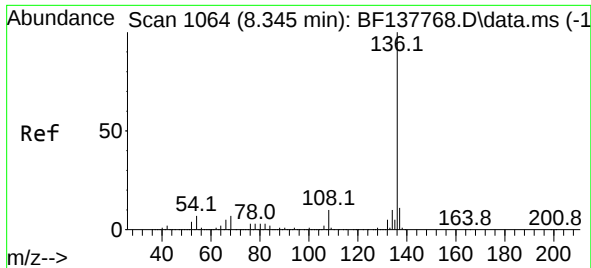


#19
n-Nitroso-di-n-propylamine
Concen: 12.107 ng
RT: 7.616 min Scan# 940
Delta R.T. 0.153 min
Lab File: BF137777.D
Acq: 30 Apr 2024 18:31

Tgt Ion: 70 Resp: 125343

Ion	Ratio	Lower	Upper
70	100		
42	44.8	44.6	66.8
101	0.0	7.8	11.6#
130	2.4	17.5	26.3#



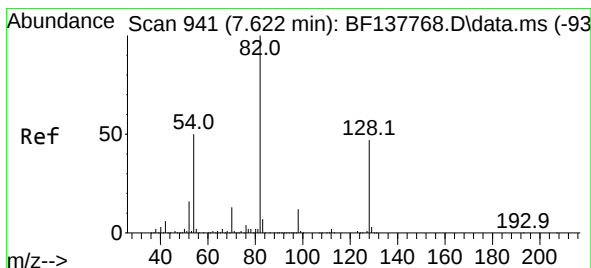
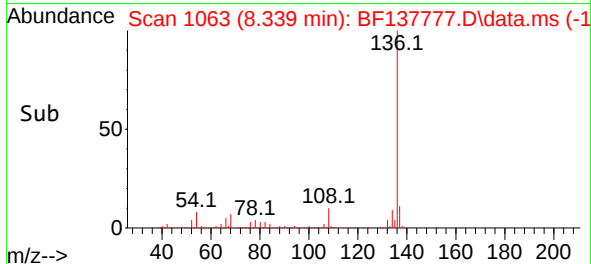
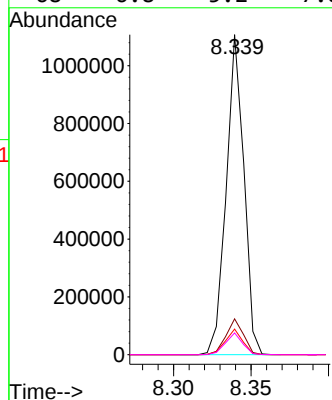
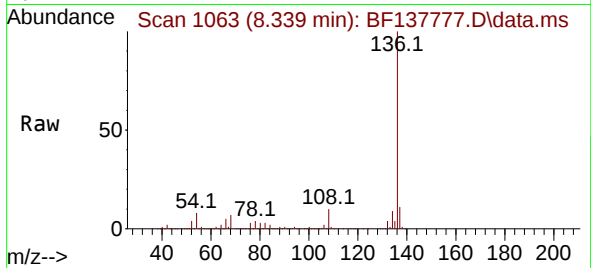


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.339 min Scan# 1063
Delta R.T. -0.006 min
Lab File: BF137777.D
Acq: 30 Apr 2024 18:31

Instrument :
BNA_F
ClientSampleId :
FOOT-PRINT-B-3

Tgt Ion:136 Resp: 876796

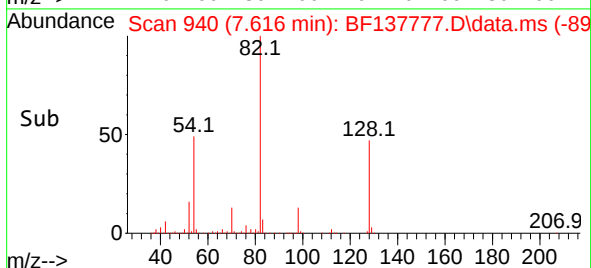
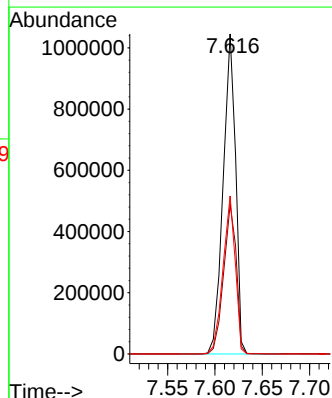
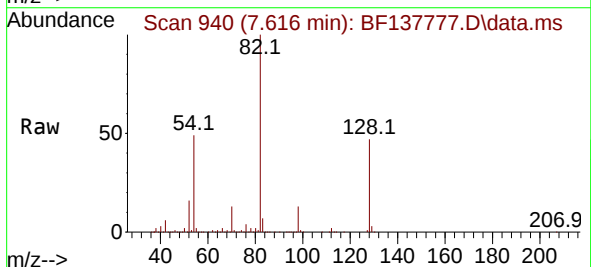
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	8.0	5.8	8.8
68	6.8	5.2	7.8

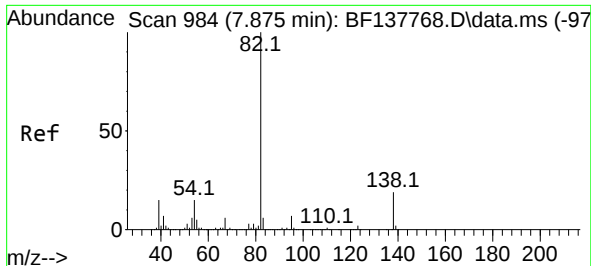


#23
Nitrobenzene-d5
Concen: 63.553 ng
RT: 7.616 min Scan# 940
Delta R.T. -0.006 min
Lab File: BF137777.D
Acq: 30 Apr 2024 18:31

Tgt Ion: 82 Resp: 959118

Ion	Ratio	Lower	Upper
82	100		
128	46.8	37.5	56.3
54	49.4	39.8	59.6

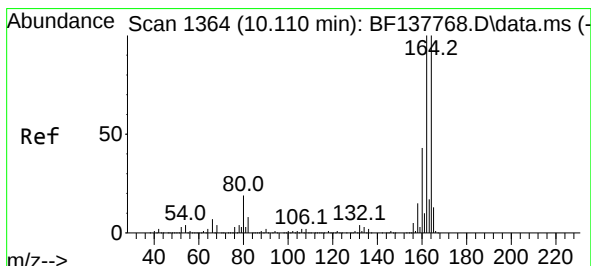
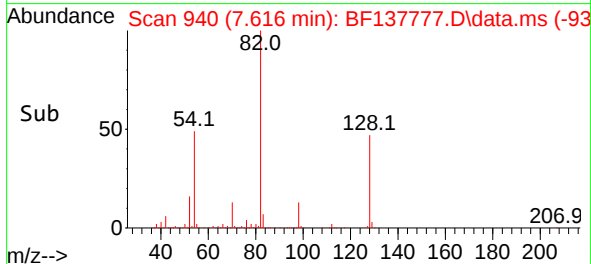
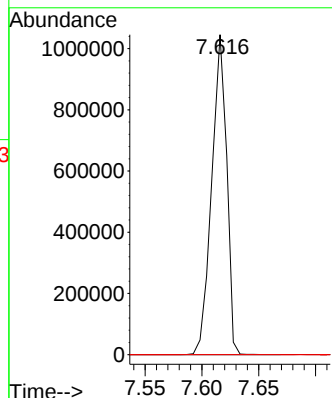
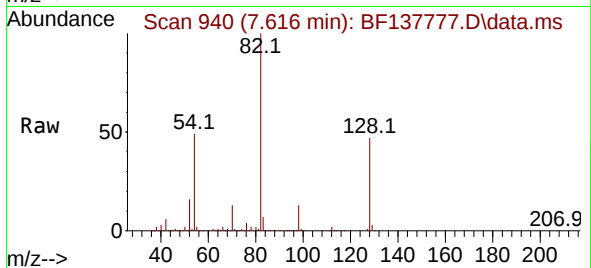




#25
Isophorone
Concen: 35.245 ng
RT: 7.616 min Scan# 940
Delta R.T. -0.259 min
Lab File: BF137777.D
Acq: 30 Apr 2024 18:31

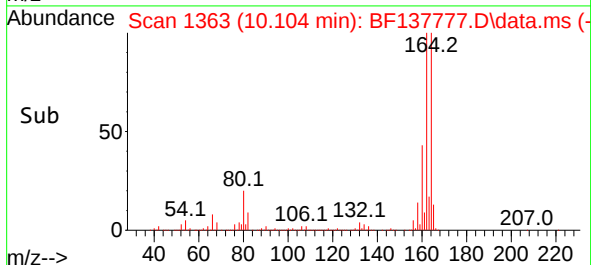
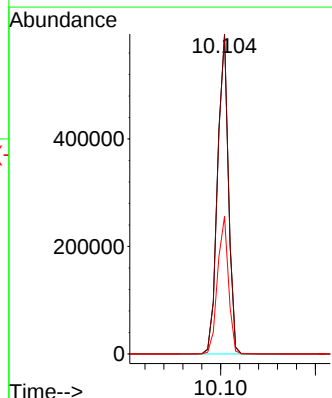
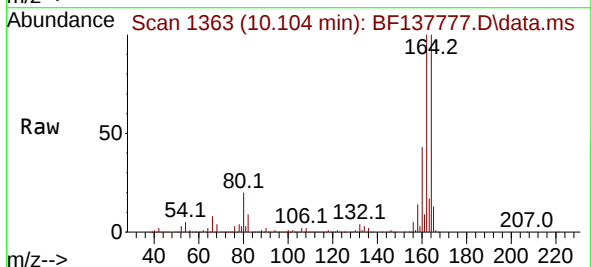
Instrument :
BNA_F
ClientSampleId :
FOOT-PRINT-B-3

Tgt Ion: 82 Resp: 959027
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 15.0 22.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.104 min Scan# 1363
Delta R.T. -0.006 min
Lab File: BF137777.D
Acq: 30 Apr 2024 18:31

Tgt Ion:164 Resp: 470063
Ion Ratio Lower Upper
164 100
162 100.5 79.8 119.6
160 43.2 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 87.719 ng

RT: 10.892 min Scan# 1498

Delta R.T. -0.006 min

Lab File: BF137777.D

Acq: 30 Apr 2024 18:31

Instrument :

BNA_F

ClientSampleId :

FOOT-PRINT-B-3

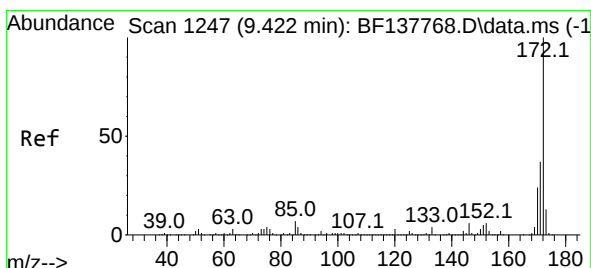
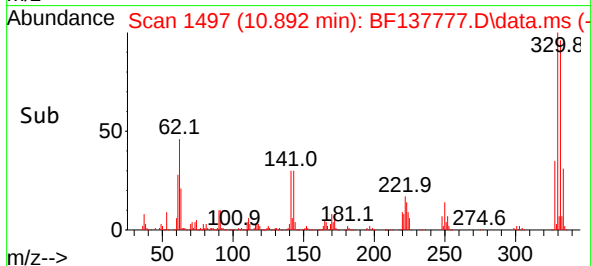
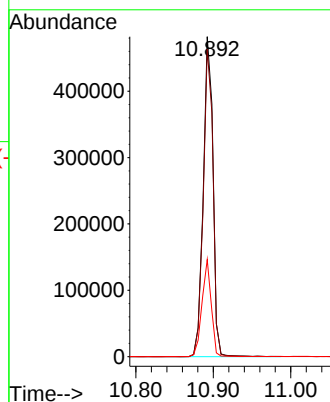
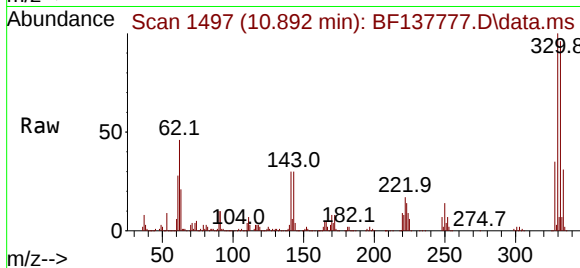
Tgt Ion:330 Resp: 421002

Ion Ratio Lower Upper

330 100

332 96.1 77.3 115.9

141 28.9 23.8 35.6



#45

2-Fluorobiphenyl

Concen: 65.927 ng

RT: 9.416 min Scan# 1246

Delta R.T. -0.006 min

Lab File: BF137777.D

Acq: 30 Apr 2024 18:31

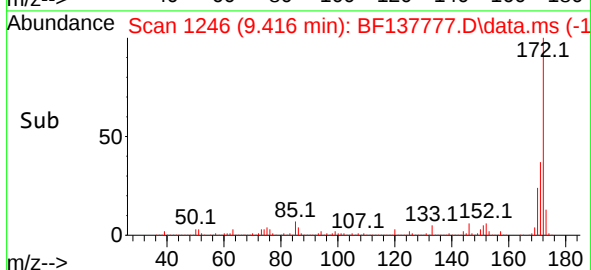
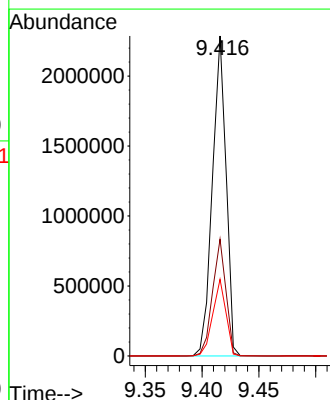
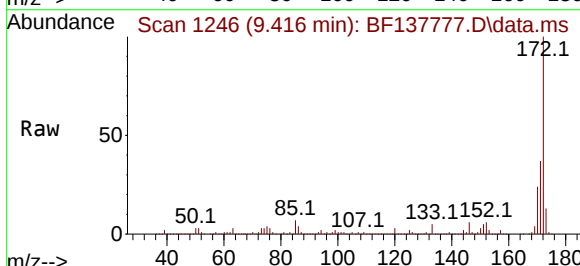
Tgt Ion:172 Resp: 1910168

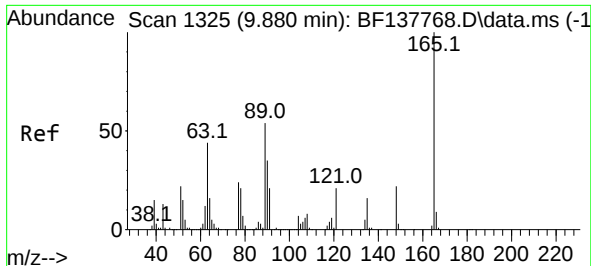
Ion Ratio Lower Upper

172 100

171 36.5 29.6 44.4

170 23.9 19.4 29.2

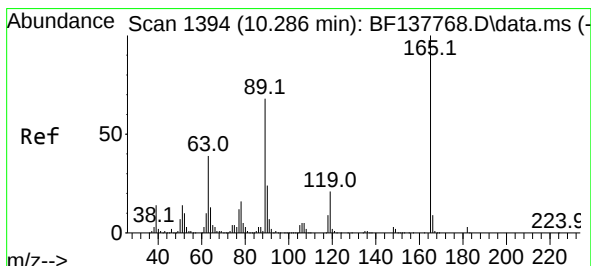
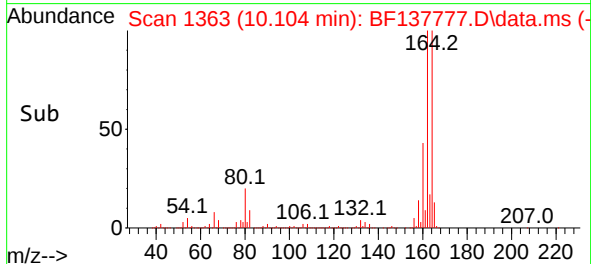
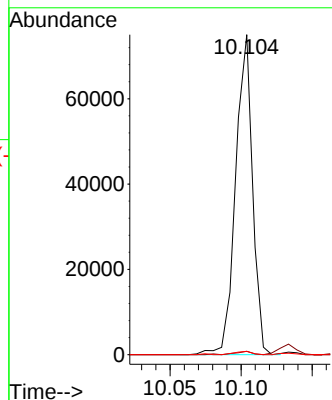
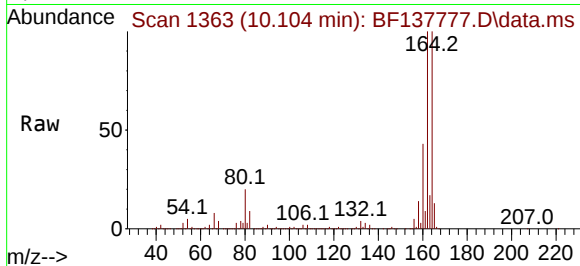




#51
2,6-Dinitrotoluene
Concen: 9.176 ng
RT: 10.104 min Scan# 1363
Delta R.T. 0.223 min
Lab File: BF137777.D
Acq: 30 Apr 2024 18:31

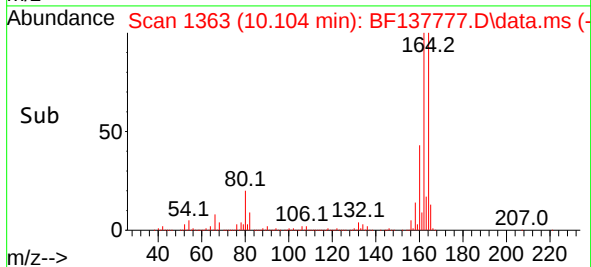
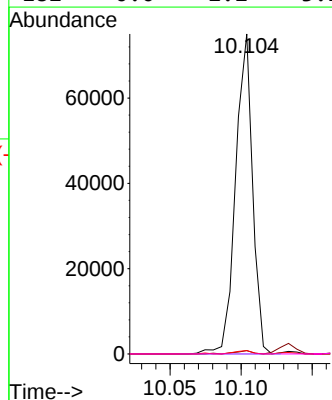
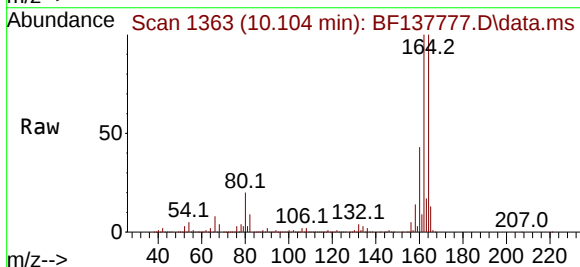
Instrument :
BNA_F
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FOOT-PRINT-B-3

Tgt Ion:165 Resp: 62229
Ion Ratio Lower Upper
165 100
63 1.0 41.9 62.9#
89 1.1 43.2 64.8#



#57
2,4-Dinitrotoluene
Concen: 7.024 ng
RT: 10.104 min Scan# 1363
Delta R.T. -0.182 min
Lab File: BF137777.D
Acq: 30 Apr 2024 18:31

Tgt Ion:165 Resp: 62229
Ion Ratio Lower Upper
165 100
63 1.0 31.3 46.9#
89 1.1 54.2 81.4#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.598 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF137777.D

Acq: 30 Apr 2024 18:31

Instrument :

BNA_F

ClientSampleId :

FOOT-PRINT-B-3

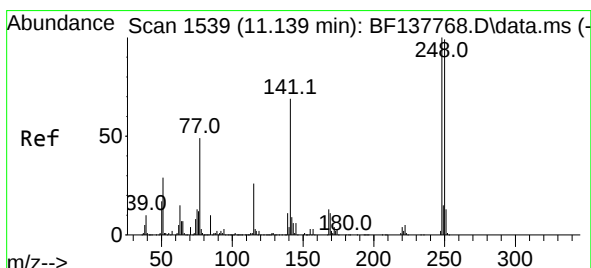
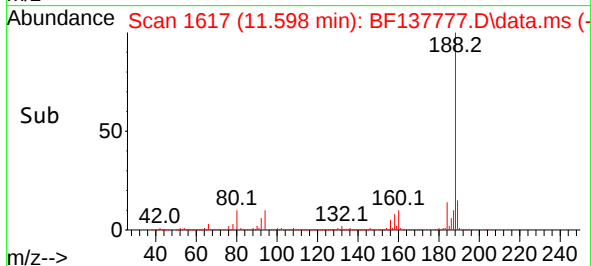
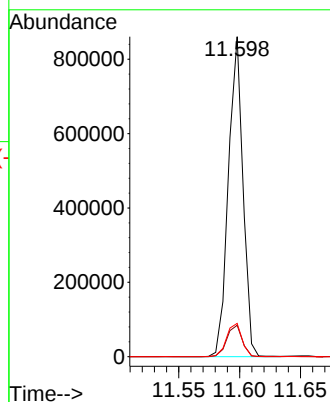
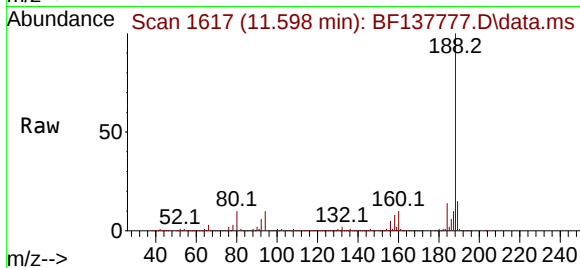
Tgt Ion:188 Resp: 714726

Ion Ratio Lower Upper

188 100

94 9.8 8.8 13.2

80 10.4 9.6 14.4



#67

4-Bromophenyl-phenylether

Concen: 3.540 ng

RT: 10.892 min Scan# 1497

Delta R.T. -0.247 min

Lab File: BF137777.D

Acq: 30 Apr 2024 18:31

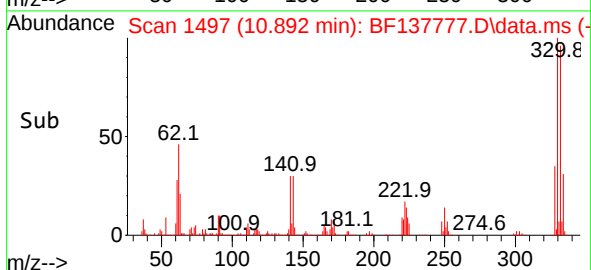
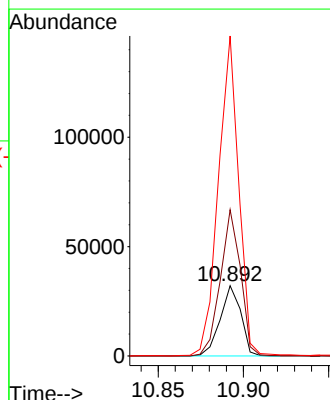
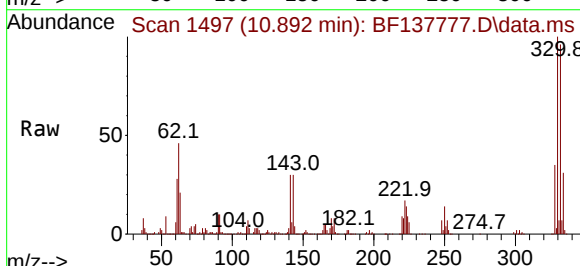
Tgt Ion:248 Resp: 27077

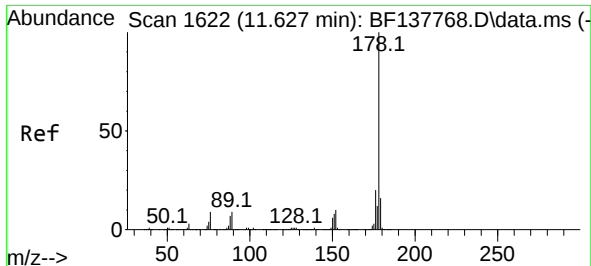
Ion Ratio Lower Upper

248 100

250 208.3 79.1 118.7#

141 455.7 55.4 83.2#

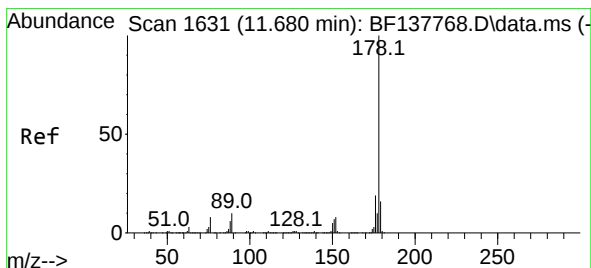
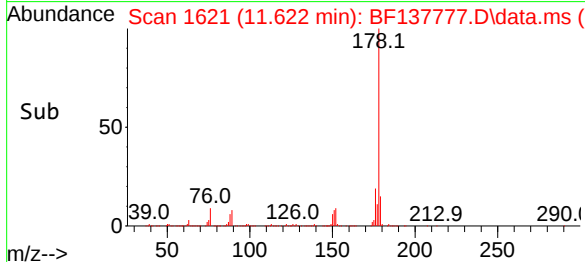
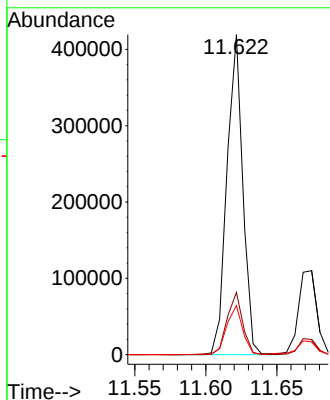
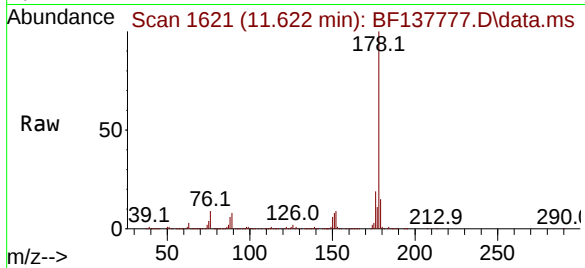




#71
Phenanthrene
Concen: 9.355 ng
RT: 11.622 min Scan# 1622
Delta R.T. -0.006 min
Lab File: BF137777.D
Acq: 30 Apr 2024 18:31

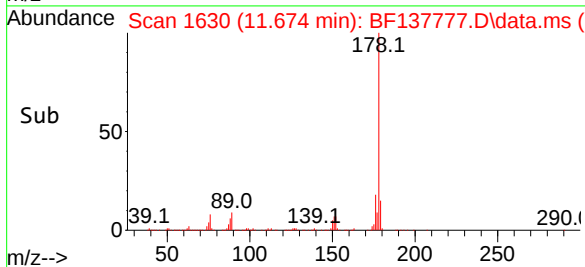
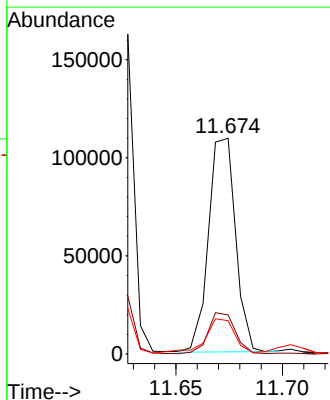
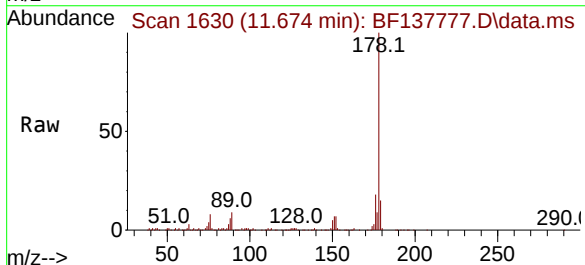
Instrument :
BNA_F
ClientSampleId :
FOOT-PRINT-B-3

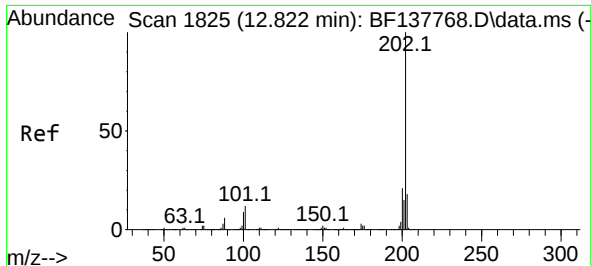
Tgt Ion:178 Resp: 325893
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.6
179 15.3 12.5 18.7



#72
Anthracene
Concen: 2.782 ng
RT: 11.674 min Scan# 1630
Delta R.T. -0.006 min
Lab File: BF137777.D
Acq: 30 Apr 2024 18:31

Tgt Ion:178 Resp: 96447
Ion Ratio Lower Upper
178 100
176 18.1 15.2 22.8
179 15.5 12.6 18.8

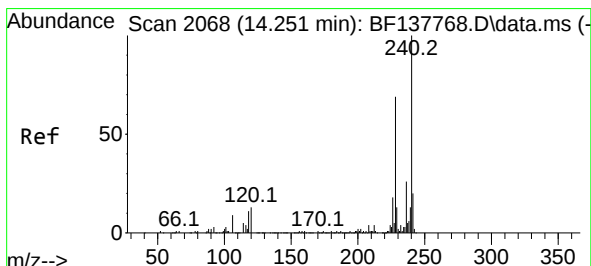
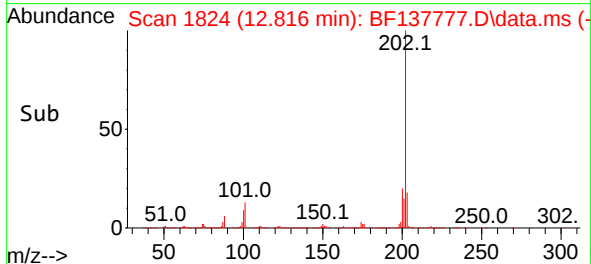
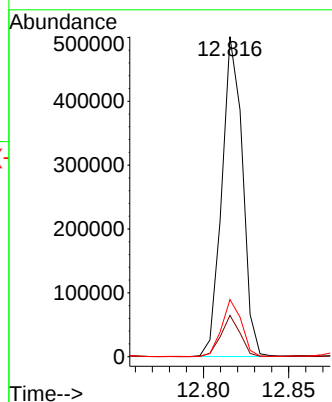
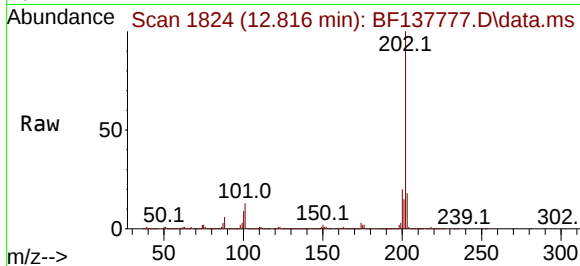




#75
Fluoranthene
Concen: 11.102 ng
RT: 12.816 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BF137777.D
Acq: 30 Apr 2024 18:31

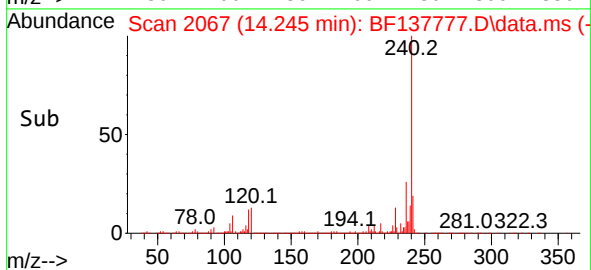
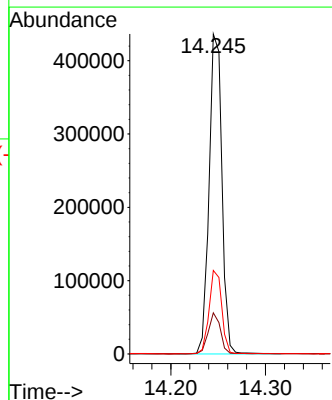
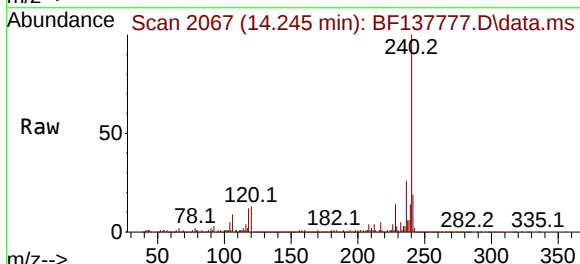
Instrument :
BNA_F
ClientSampleId :
FOOT-PRINT-B-3

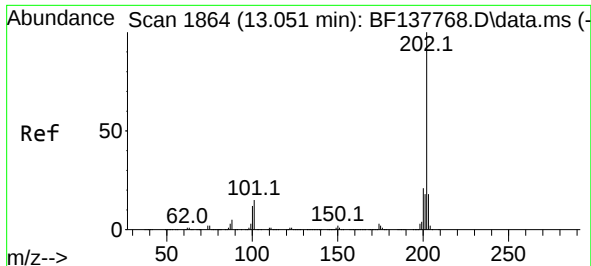
Tgt Ion:202 Resp: 422787
Ion Ratio Lower Upper
202 100
101 12.9 0.0 31.8
203 17.8 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.245 min Scan# 2067
Delta R.T. -0.006 min
Lab File: BF137777.D
Acq: 30 Apr 2024 18:31

Tgt Ion:240 Resp: 410181
Ion Ratio Lower Upper
240 100
120 12.9 10.4 15.6
236 26.1 20.4 30.6

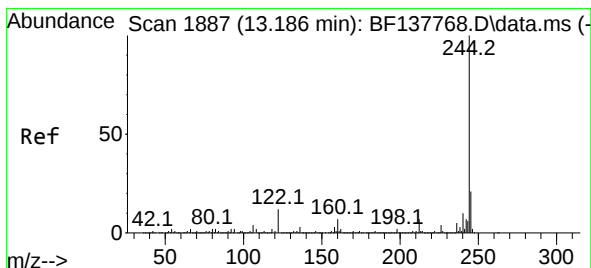
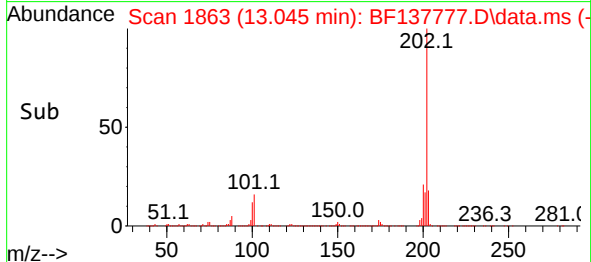
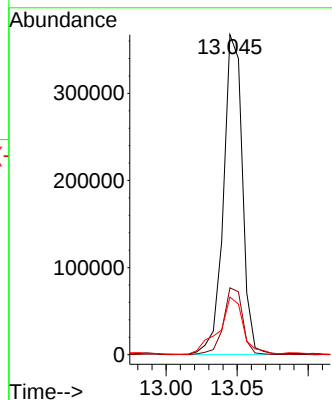
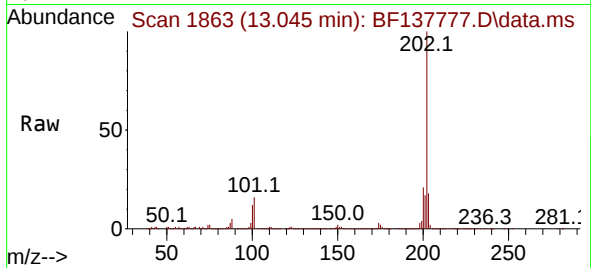




#78
Pyrene
Concen: 10.419 ng
RT: 13.045 min Scan# 1863
Delta R.T. -0.006 min
Lab File: BF137777.D
Acq: 30 Apr 2024 18:31

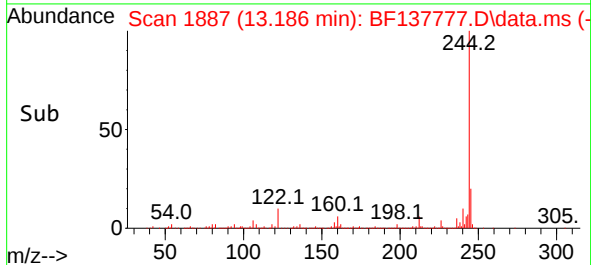
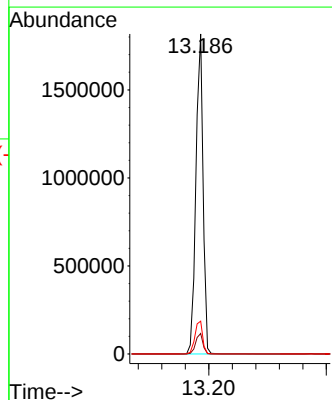
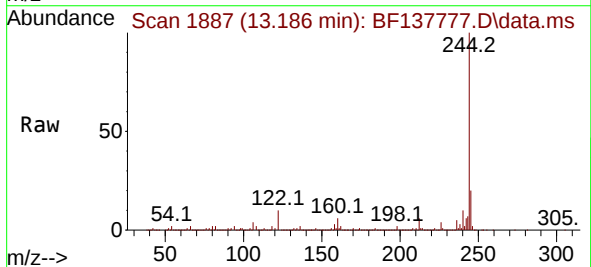
Instrument :
BNA_F
ClientSampleId :
FOOT-PRINT-B-3

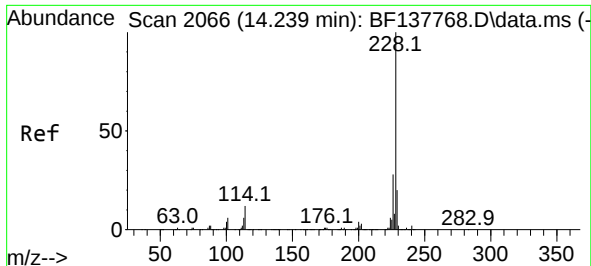
Tgt Ion:202 Resp: 338844
Ion Ratio Lower Upper
202 100
200 20.9 17.2 25.8
203 18.0 14.4 21.6



#79
Terphenyl-d14
Concen: 62.840 ng
RT: 13.186 min Scan# 1887
Delta R.T. -0.000 min
Lab File: BF137777.D
Acq: 30 Apr 2024 18:31

Tgt Ion:244 Resp: 1538066
Ion Ratio Lower Upper
244 100
212 6.4 5.5 8.3
122 10.3 9.4 14.2

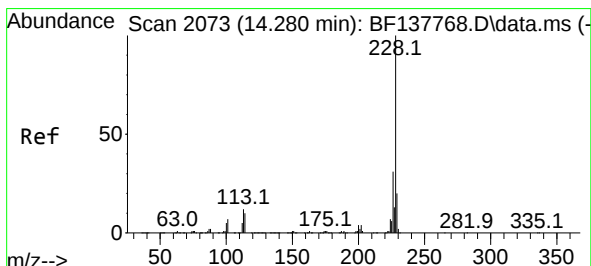
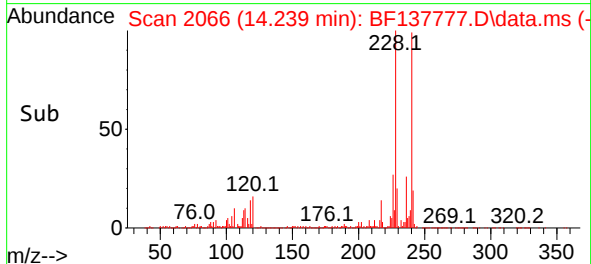
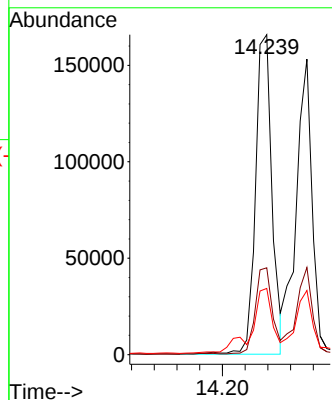
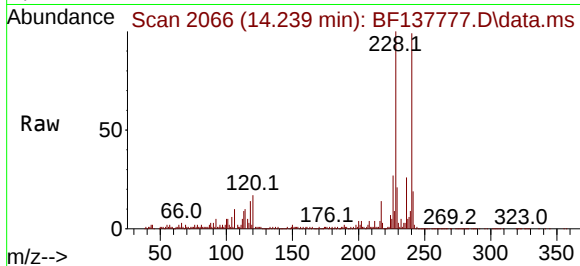




#81
Benzo(a)anthracene
Concen: 6.368 ng
RT: 14.239 min Scan# 2066
Delta R.T. -0.000 min
Lab File: BF137777.D
Acq: 30 Apr 2024 18:31

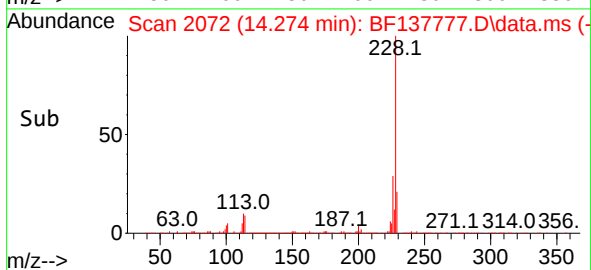
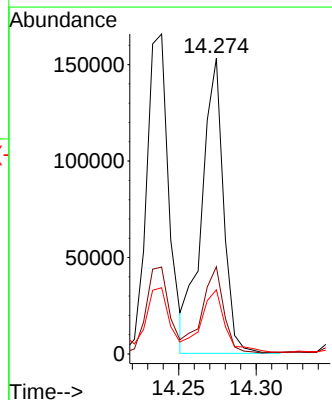
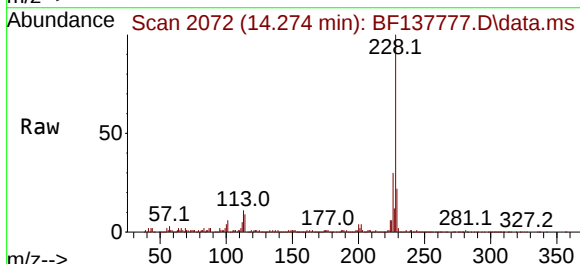
Instrument :
BNA_F
ClientSampleId :
FOOT-PRINT-B-3

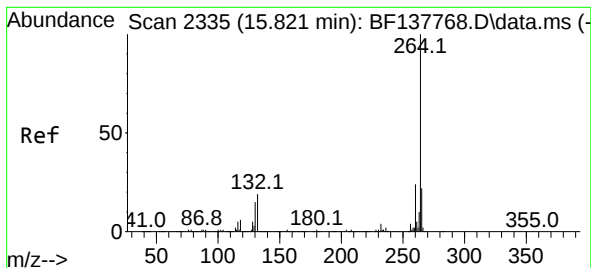
Tgt Ion:228 Resp: 167057
Ion Ratio Lower Upper
228 100
226 27.1 22.2 33.2
229 20.7 16.3 24.5



#83
Chrysene
Concen: 6.119 ng
RT: 14.274 min Scan# 2072
Delta R.T. -0.006 min
Lab File: BF137777.D
Acq: 30 Apr 2024 18:31

Tgt Ion:228 Resp: 150298
Ion Ratio Lower Upper
228 100
226 29.5 24.8 37.2
229 21.7 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.821 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF137777.D

Acq: 30 Apr 2024 18:31

Instrument :

BNA_F

ClientSampleId :

FOOT-PRINT-B-3

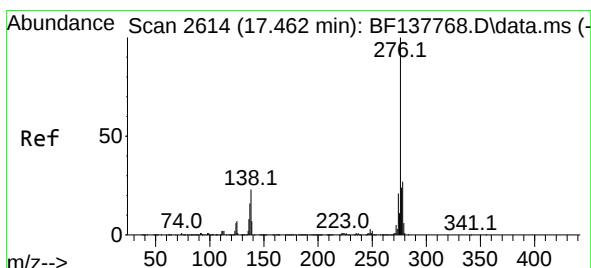
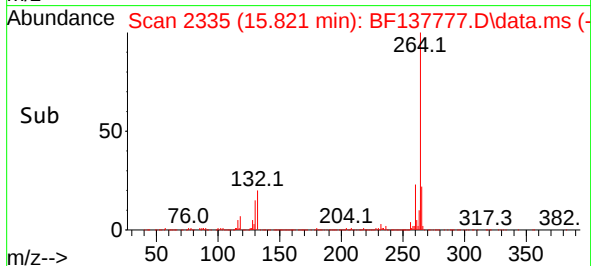
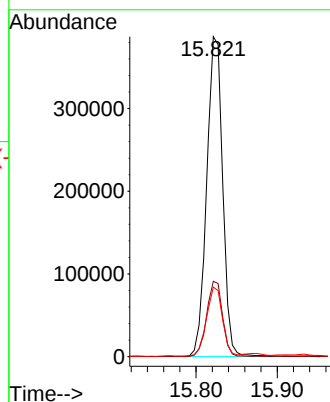
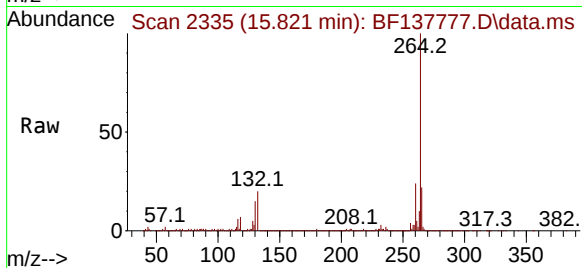
Tgt Ion:264 Resp: 526694

Ion Ratio Lower Upper

264 100

260 23.6 18.9 28.3

265 21.8 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.333 ng

RT: 17.451 min Scan# 2612

Delta R.T. -0.012 min

Lab File: BF137777.D

Acq: 30 Apr 2024 18:31

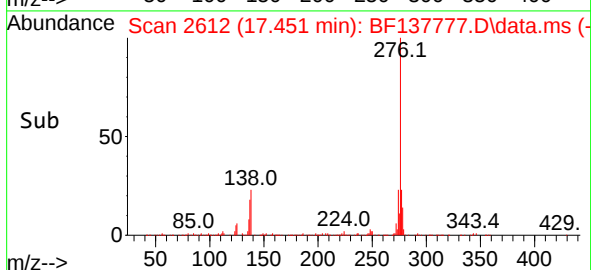
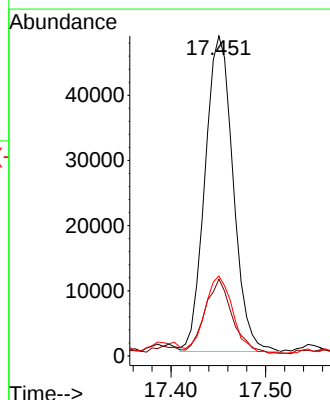
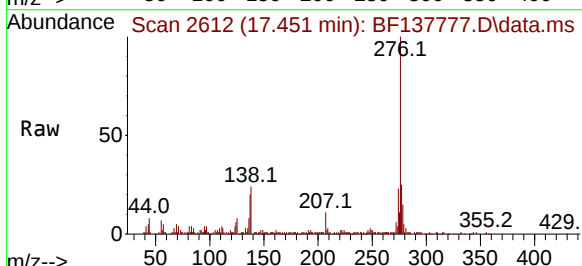
Tgt Ion:276 Resp: 99800

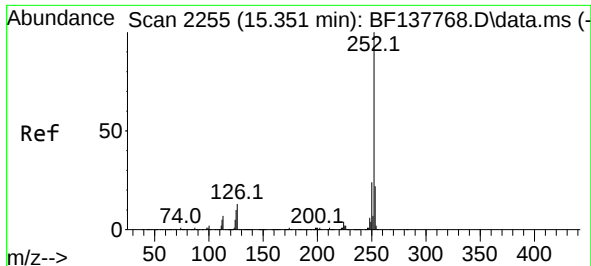
Ion Ratio Lower Upper

276 100

138 22.9 21.4 32.0

277 24.6 20.1 30.1

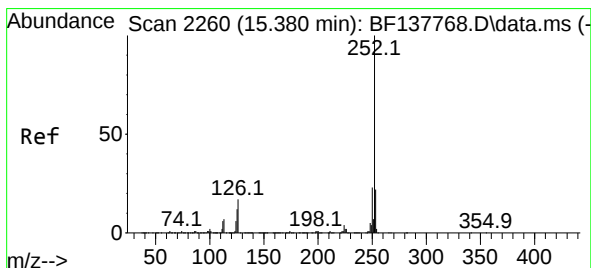
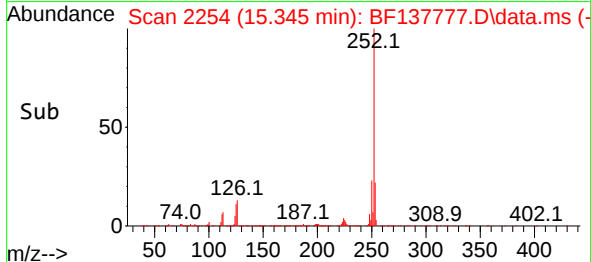
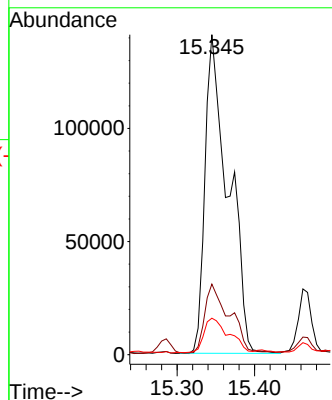
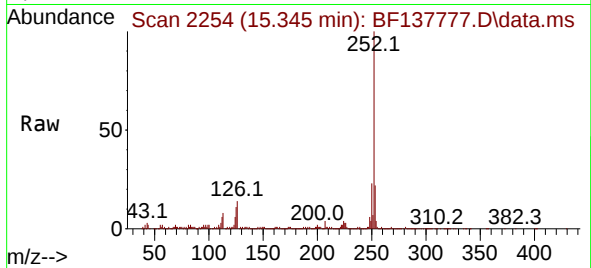




#88
Benzo(b)fluoranthene
Concen: 8.961 ng
RT: 15.345 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF137777.D
Acq: 30 Apr 2024 18:31

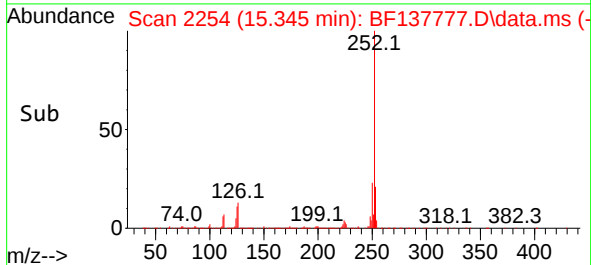
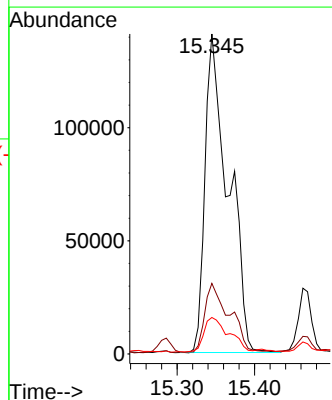
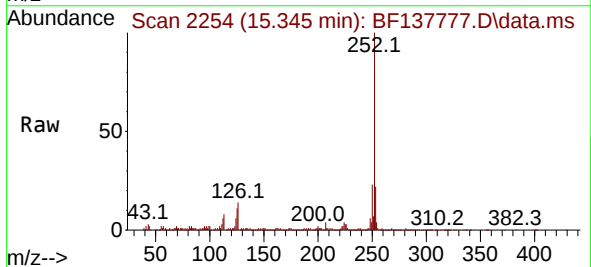
Instrument :
BNA_F
ClientSampleId :
FOOT-PRINT-B-3

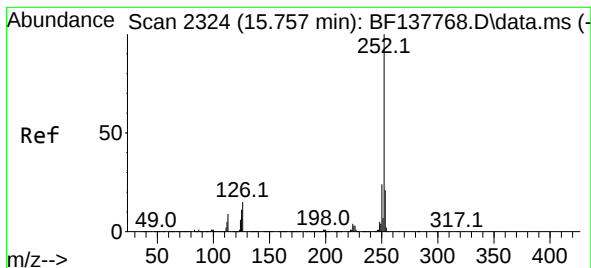
Tgt Ion:252 Resp: 293658
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 11.4 7.9 11.9



#89
Benzo(k)fluoranthene
Concen: 9.268 ng
RT: 15.345 min Scan# 2254
Delta R.T. -0.035 min
Lab File: BF137777.D
Acq: 30 Apr 2024 18:31

Tgt Ion:252 Resp: 293557
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 11.4 9.0 13.4





#90

Benzo(a)pyrene

Concen: 6.294 ng

RT: 15.751 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF137777.D

Acq: 30 Apr 2024 18:31

Instrument :

BNA_F

ClientSampleId :

FOOT-PRINT-B-3

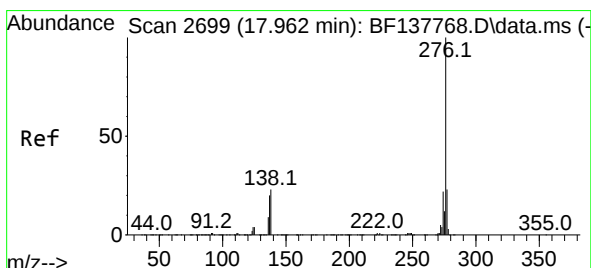
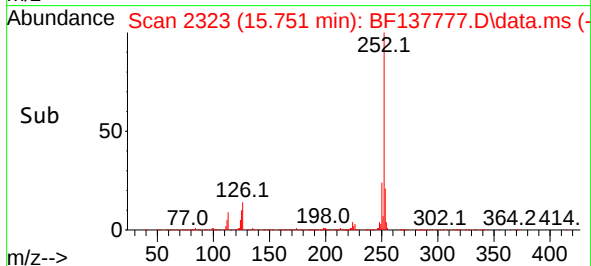
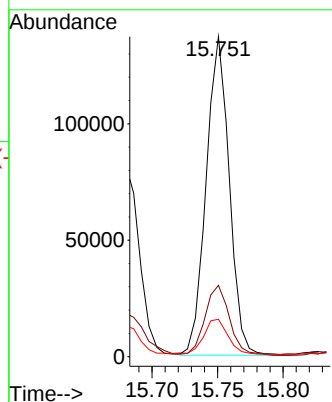
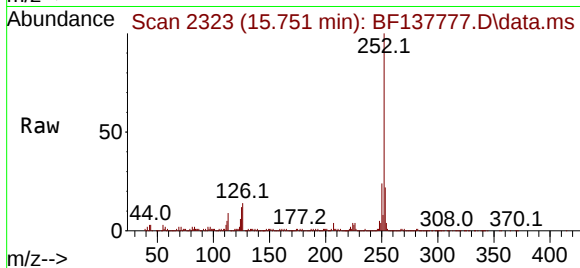
Tgt Ion:252 Resp: 168254

Ion Ratio Lower Upper

252 100

253 22.3 17.1 25.7

125 11.7 9.0 13.6



#92

Benzo(g,h,i)perylene

Concen: 3.519 ng

RT: 17.951 min Scan# 2697

Delta R.T. -0.012 min

Lab File: BF137777.D

Acq: 30 Apr 2024 18:31

Tgt Ion:276 Resp: 89926

Ion Ratio Lower Upper

276 100

277 26.2 18.0 27.0

138 24.2 18.1 27.1

