

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042924\
 Data File : BF137760.D
 Acq On : 29 Apr 2024 21:06
 Operator : CG\JU
 Sample : P2294-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 30 03:09:26 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 03:57:12 2024
 Response via : Initial Calibration

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

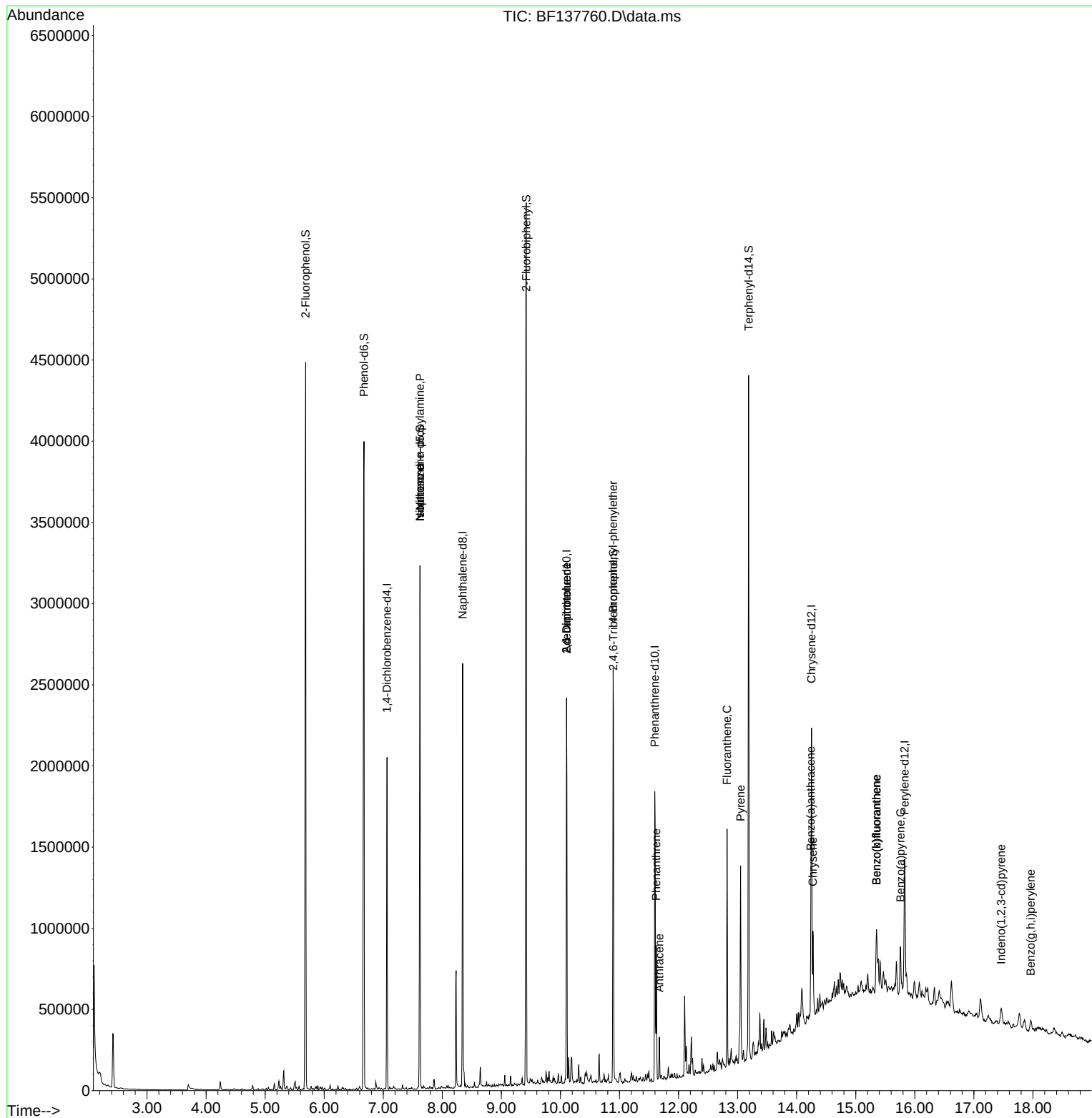
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.063	152	269168	20.000	ng	0.00
21) Naphthalene-d8	8.345	136	1009375	20.000	ng	0.00
39) Acenaphthene-d10	10.104	164	480587	20.000	ng	-0.01
64) Phenanthrene-d10	11.598	188	642791	20.000	ng	0.00
76) Chrysene-d12	14.251	240	510736	20.000	ng	0.00
86) Perylene-d12	15.827	264	413083	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.687	112	1244883	70.254	ng	0.00
7) Phenol-d6	6.675	99	1539799	68.429	ng	0.00
23) Nitrobenzene-d5	7.622	82	929498	48.883	ng	0.00
42) 2,4,6-Tribromophenol	10.898	330	312294	64.397	ng	0.00
45) 2-Fluorobiphenyl	9.422	172	1747649	54.337	ng	0.00
79) Terphenyl-d14	13.186	244	1397530	44.042	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.622	70	125732	8.641	ng	# 77
25) Isophorone	7.622	82	927701	26.269	ng	# 64
51) 2,6-Dinitrotoluene	10.104	165	61930	8.778	ng	# 23
57) 2,4-Dinitrotoluene	10.104	165	61930	6.963	ng	# 25
67) 4-Bromophenyl-phenylether	10.892	248	20638	2.771	ng	# 1
71) Phenanthrene	11.622	178	290561	8.539	ng	98
72) Anthracene	11.675	178	91199	2.617	ng	99
75) Fluoranthene	12.822	202	501040	14.009	ng	99
78) Pyrene	13.051	202	439314	10.480	ng	98
81) Benzo(a)anthracene	14.239	228	236473	6.638	ng	99
83) Chrysene	14.274	228	220289	6.618	ng	96
87) Indeno(1,2,3-cd)pyrene	17.462	276	71543	3.124	ng	# 94
88) Benzo(b)fluoranthene	15.351	252	291661	11.034	ng	# 97
89) Benzo(k)fluoranthene	15.351	252	291661	11.225	ng	# 97
90) Benzo(a)pyrene	15.757	252	143312	6.044	ng	94
92) Benzo(g,h,i)perylene	17.962	276	64557	3.493	ng	98

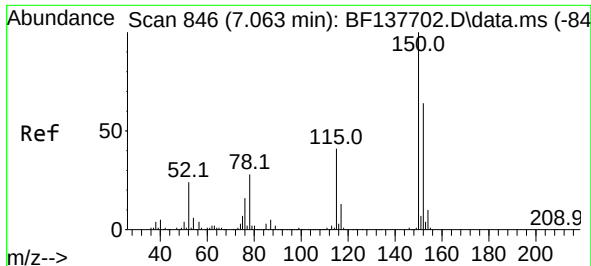
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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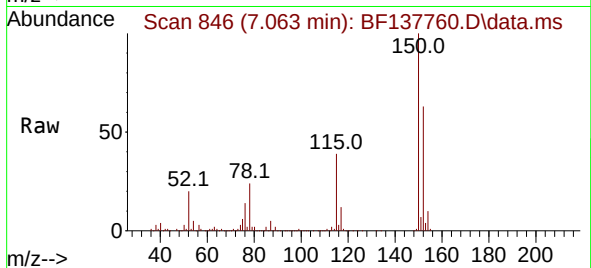
Quant Time: Apr 30 03:09:26 2024
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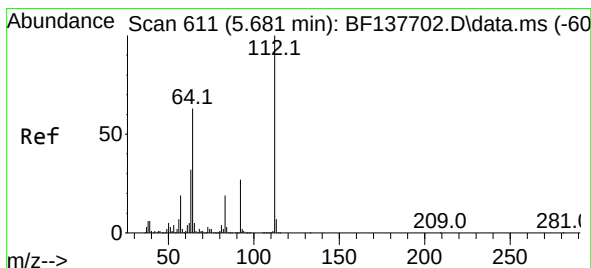
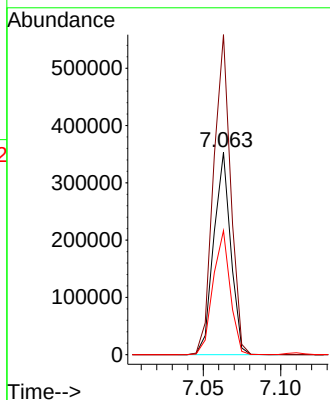
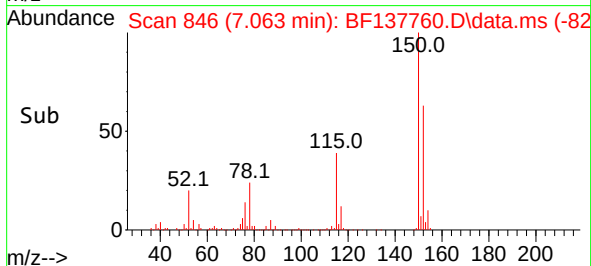


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.063 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF137760.D
Acq: 29 Apr 2024 21:06

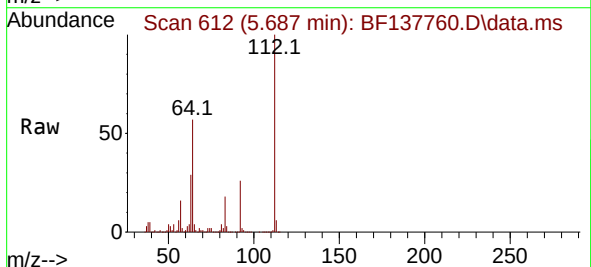
Instrument :
BNA_F
ClientSampleId :



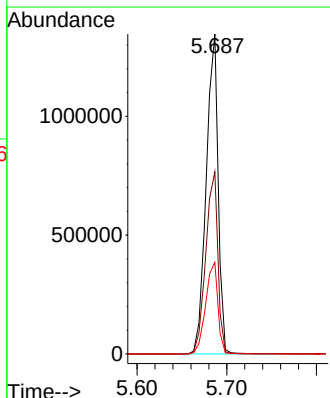
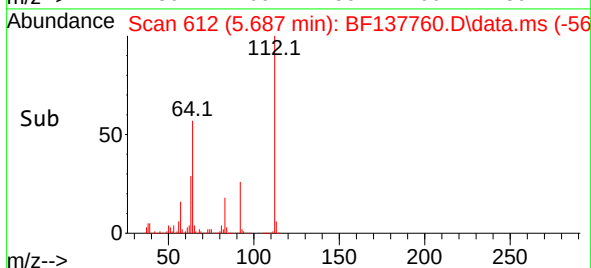
Tgt Ion:152 Resp: 269168
Ion Ratio Lower Upper
152 100
150 158.2 124.2 186.4
115 61.3 50.8 76.2

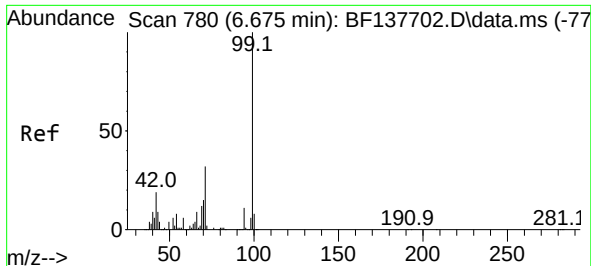


#5
2-Fluorophenol
Concen: 70.254 ng
RT: 5.687 min Scan# 612
Delta R.T. 0.006 min
Lab File: BF137760.D
Acq: 29 Apr 2024 21:06



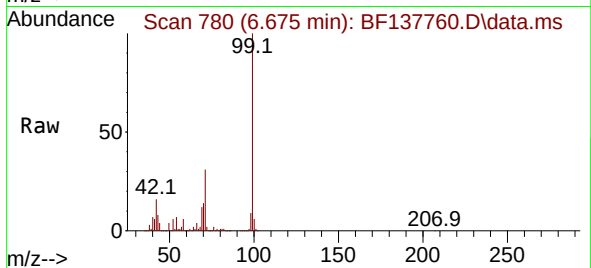
Tgt Ion:112 Resp: 1244883
Ion Ratio Lower Upper
112 100
64 56.9 50.1 75.1
63 28.7 25.2 37.8





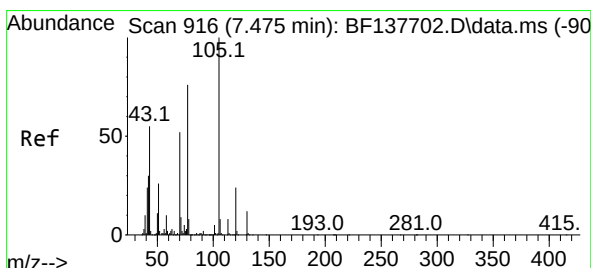
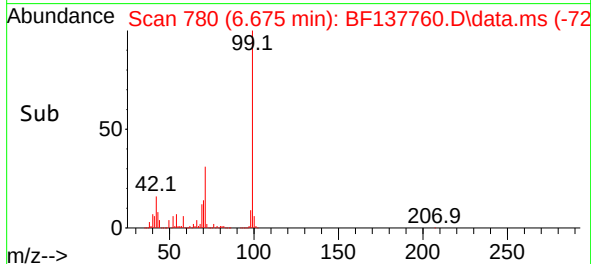
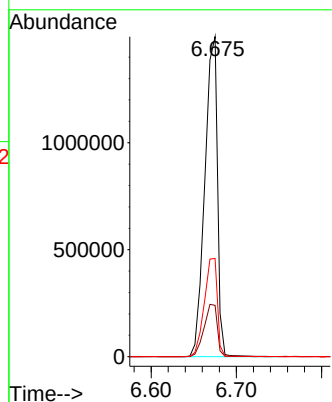
#7
Phenol-d6
Concen: 68.429 ng
RT: 6.675 min Scan# 780
Delta R.T. 0.000 min
Lab File: BF137760.D
Acq: 29 Apr 2024 21:06

Instrument :
BNA_F
ClientSampleId :



Tgt Ion: 99 Resp: 1539799

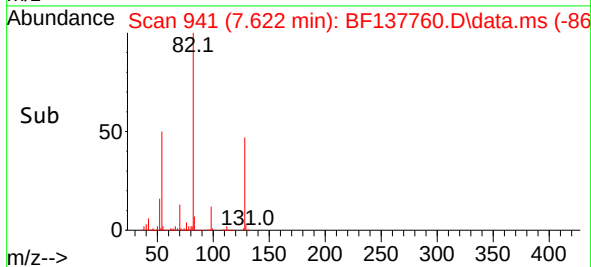
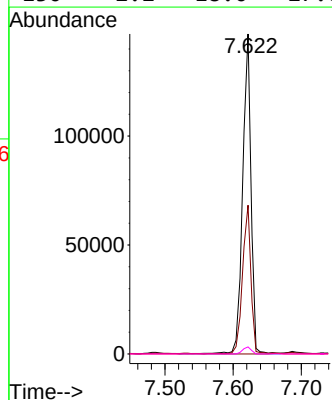
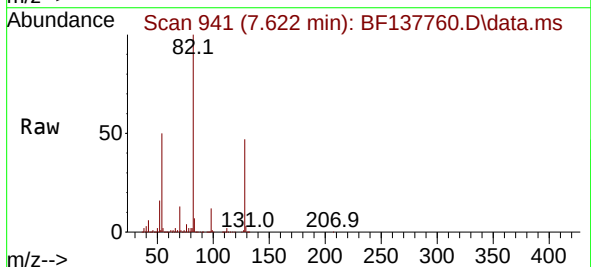
Ion	Ratio	Lower	Upper
99	100		
42	16.1	15.0	22.4
71	30.7	25.7	38.5

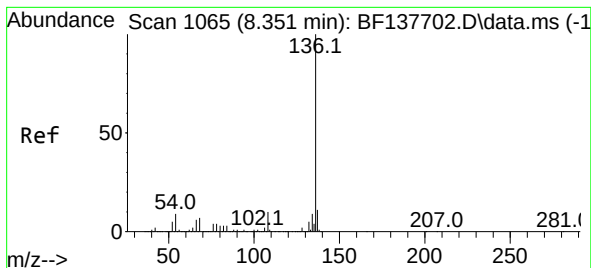


#19
n-Nitroso-di-n-propylamine
Concen: 8.641 ng
RT: 7.622 min Scan# 941
Delta R.T. 0.147 min
Lab File: BF137760.D
Acq: 29 Apr 2024 21:06

Tgt Ion: 70 Resp: 125732

Ion	Ratio	Lower	Upper
70	100		
42	46.5	45.9	68.9
101	0.0	8.0	12.0#
130	2.2	18.0	27.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.345 min Scan# 1064

Delta R.T. -0.006 min

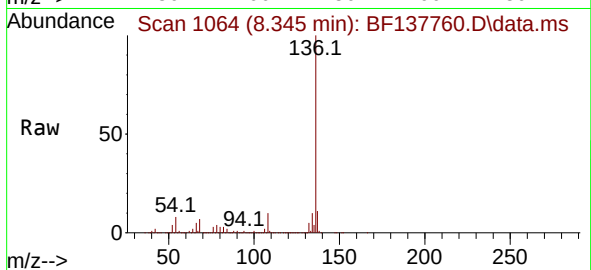
Lab File: BF137760.D

Acq: 29 Apr 2024 21:06

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:136 Resp: 1009375

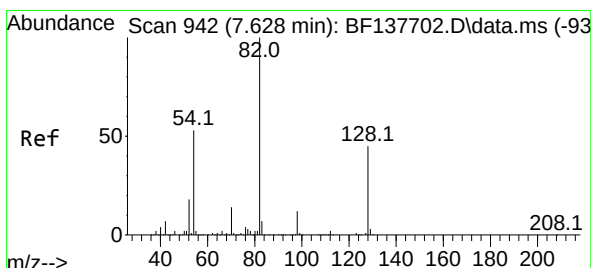
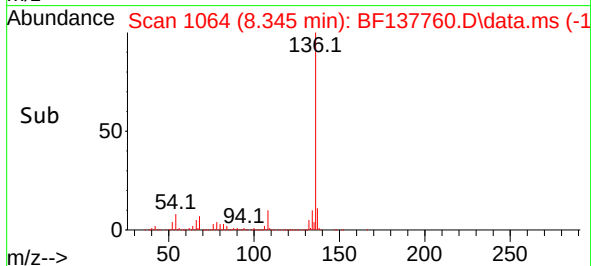
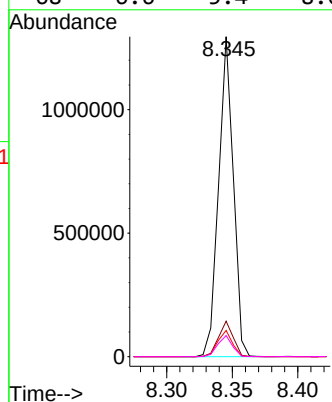
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 8.2 6.9 10.3

68 6.6 5.4 8.0



#23

Nitrobenzene-d5

Concen: 48.883 ng

RT: 7.622 min Scan# 941

Delta R.T. -0.006 min

Lab File: BF137760.D

Acq: 29 Apr 2024 21:06

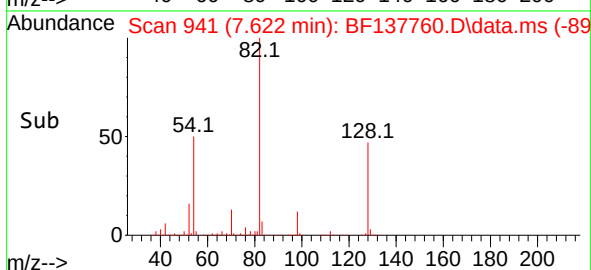
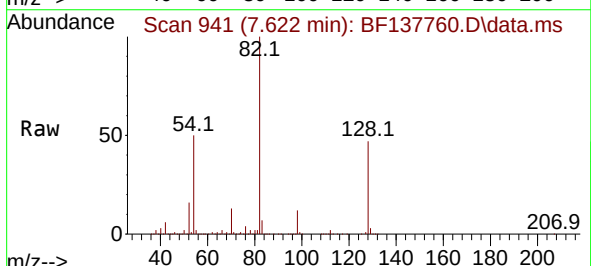
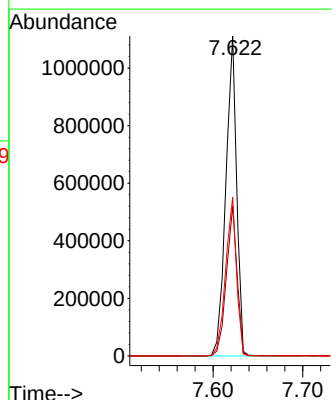
Tgt Ion: 82 Resp: 929498

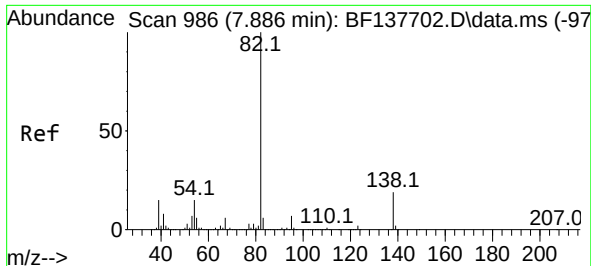
Ion Ratio Lower Upper

82 100

128 46.9 35.8 53.6

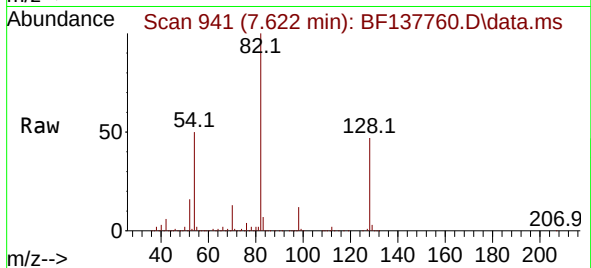
54 49.6 42.5 63.7



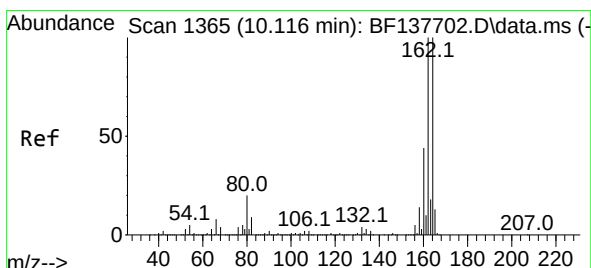
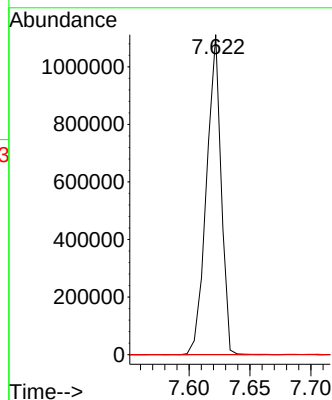
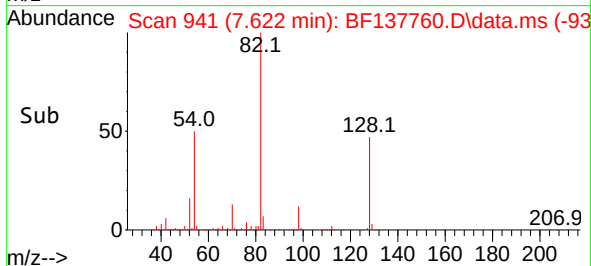


#25
Isophorone
Concen: 26.269 ng
RT: 7.622 min Scan# 941
Delta R.T. -0.265 min
Lab File: BF137760.D
Acq: 29 Apr 2024 21:06

Instrument :
BNA_F
ClientSampleId :

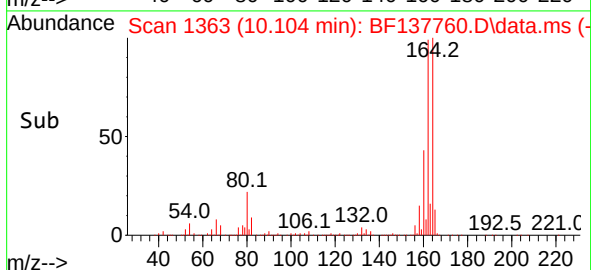
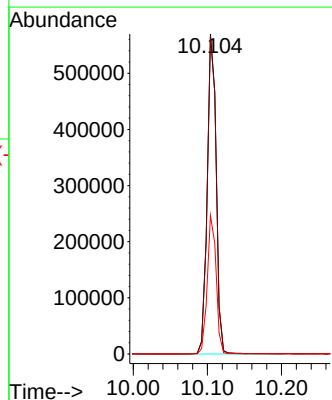
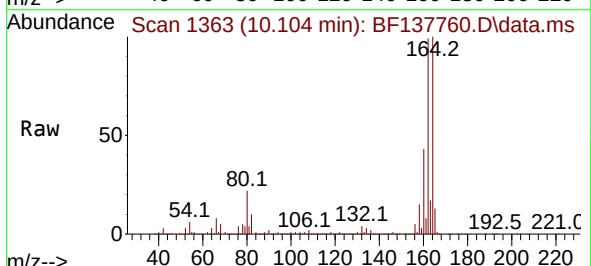


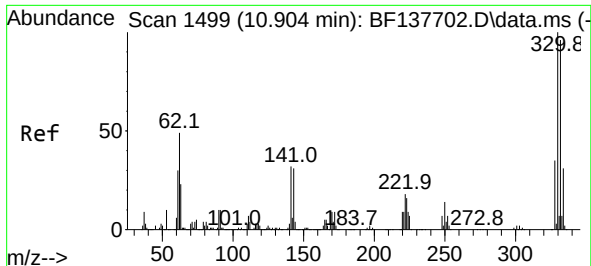
Tgt Ion: 82 Resp: 927701
Ion Ratio Lower Upper
82 100
95 0.1 5.5 8.3#
138 0.0 15.3 22.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.104 min Scan# 1363
Delta R.T. -0.012 min
Lab File: BF137760.D
Acq: 29 Apr 2024 21:06

Tgt Ion: 164 Resp: 480587
Ion Ratio Lower Upper
164 100
162 99.3 80.3 120.5
160 43.3 35.0 52.4





#42

2,4,6-Tribromophenol

Concen: 64.397 ng

RT: 10.898 min Scan# 1498

Delta R.T. -0.006 min

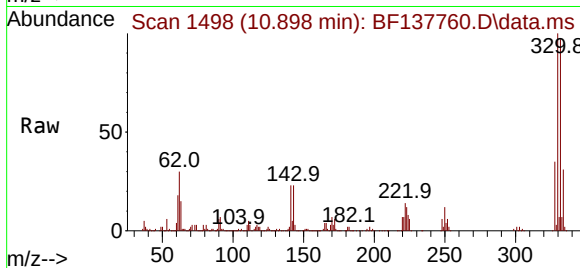
Lab File: BF137760.D

Acq: 29 Apr 2024 21:06

Instrument :

BNA_F

ClientSampleId :



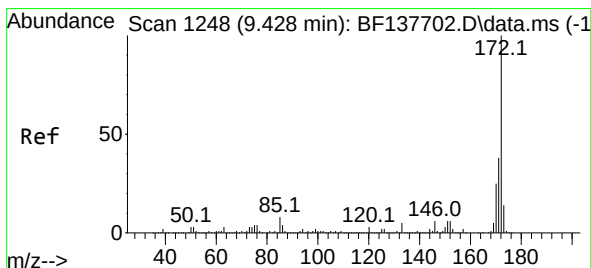
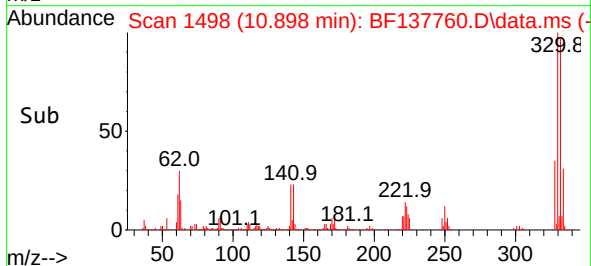
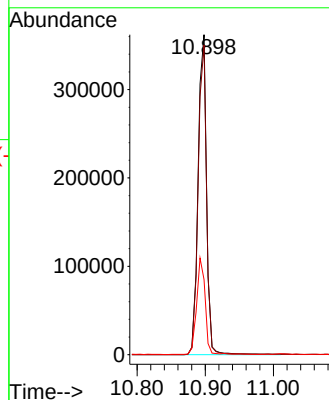
Tgt Ion:330 Resp: 312294

Ion Ratio Lower Upper

330 100

332 96.3 77.1 115.7

141 30.6 27.0 40.4



#45

2-Fluorobiphenyl

Concen: 54.337 ng

RT: 9.422 min Scan# 1247

Delta R.T. -0.006 min

Lab File: BF137760.D

Acq: 29 Apr 2024 21:06

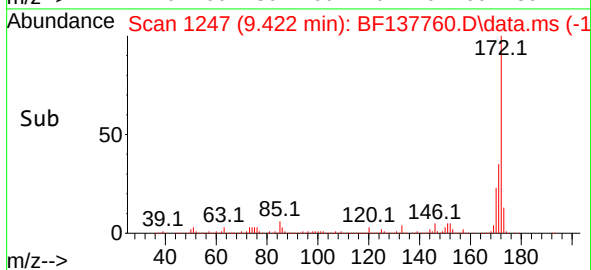
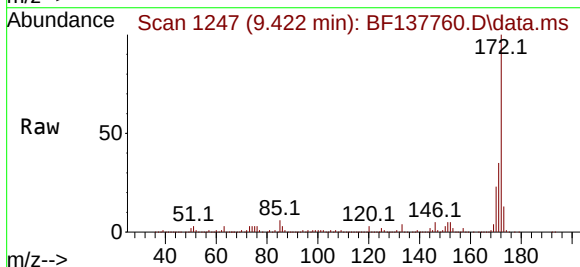
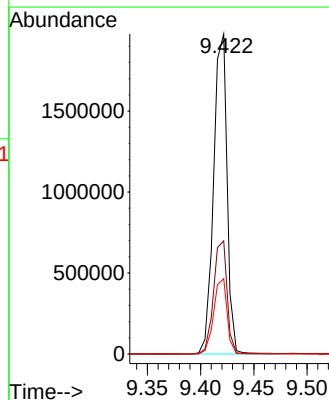
Tgt Ion:172 Resp: 1747649

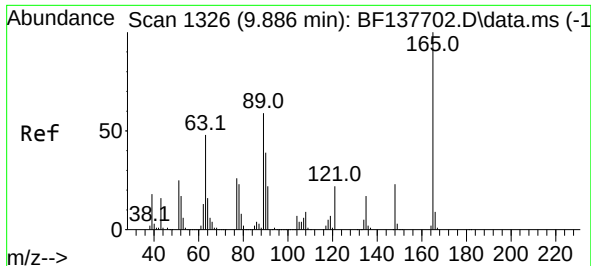
Ion Ratio Lower Upper

172 100

171 35.4 30.2 45.4

170 23.5 20.2 30.4





#51

2,6-Dinitrotoluene

Concen: 8.778 ng

RT: 10.104 min Scan# 1363

Delta R.T. 0.218 min

Lab File: BF137760.D

Acq: 29 Apr 2024 21:06

Instrument :

BNA_F

ClientSampleId :

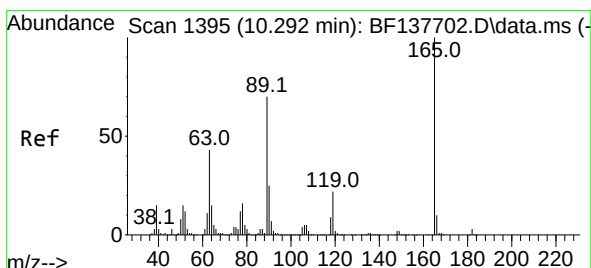
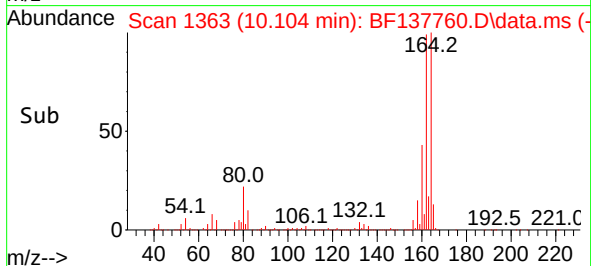
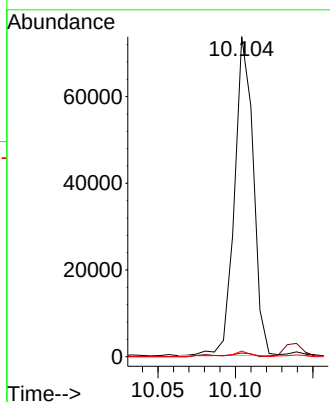
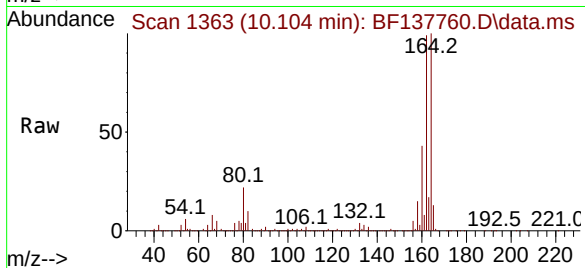
Tgt Ion:165 Resp: 61930

Ion Ratio Lower Upper

165 100

63 1.2 47.7 71.5#

89 1.8 47.3 70.9#



#57

2,4-Dinitrotoluene

Concen: 6.963 ng

RT: 10.104 min Scan# 1363

Delta R.T. -0.188 min

Lab File: BF137760.D

Acq: 29 Apr 2024 21:06

Tgt Ion:165 Resp: 61930

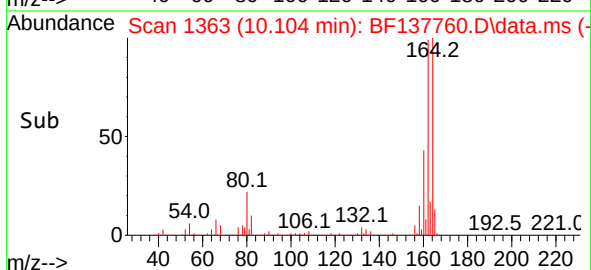
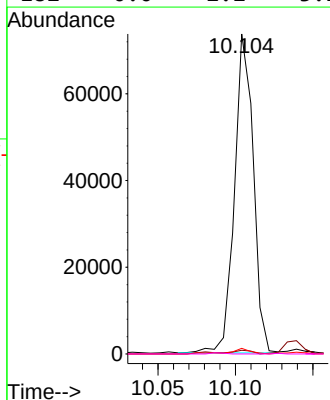
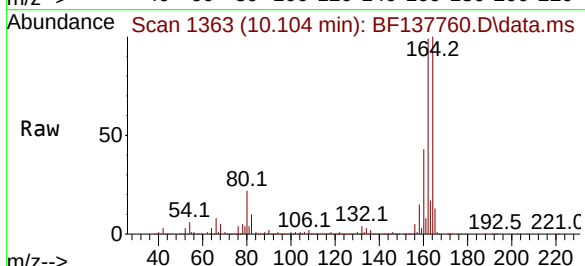
Ion Ratio Lower Upper

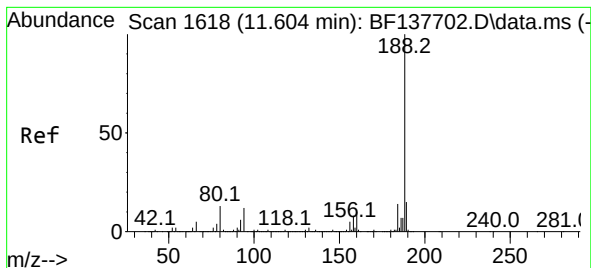
165 100

63 1.2 34.1 51.1#

89 1.8 56.4 84.6#

182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.598 min Scan# 1

Delta R.T. -0.006 min

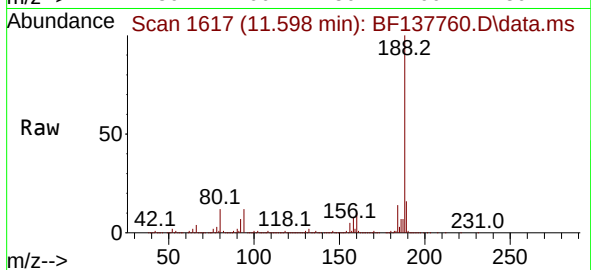
Lab File: BF137760.D

Acq: 29 Apr 2024 21:06

Instrument :

BNA_F

ClientSampleId :



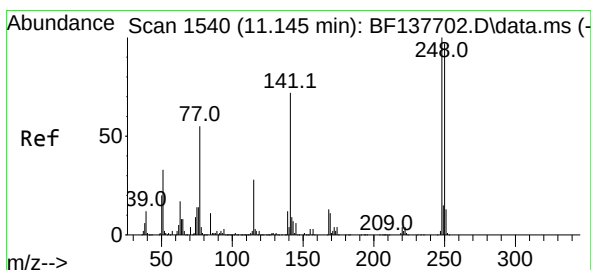
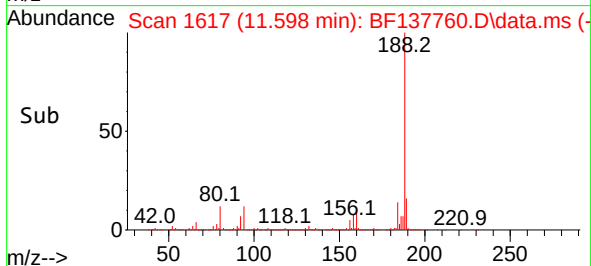
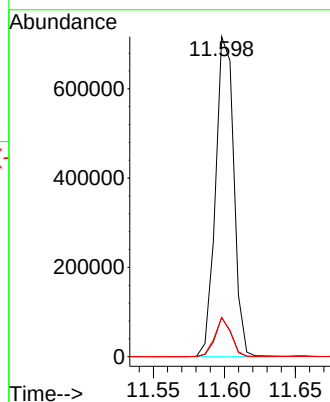
Tgt Ion:188 Resp: 642791

Ion Ratio Lower Upper

188 100

94 12.2 9.4 14.2

80 12.3 10.2 15.4



#67

4-Bromophenyl-phenylether

Concen: 2.771 ng

RT: 10.892 min Scan# 1497

Delta R.T. -0.253 min

Lab File: BF137760.D

Acq: 29 Apr 2024 21:06

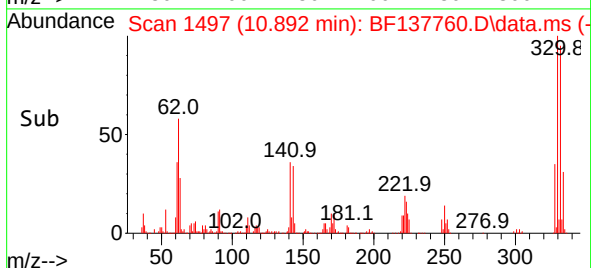
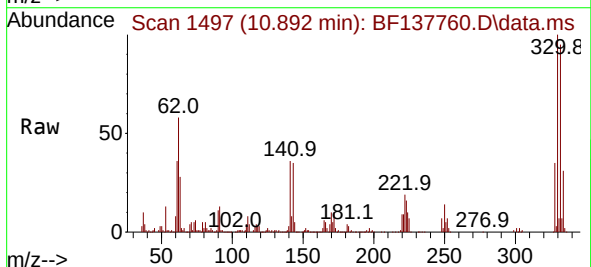
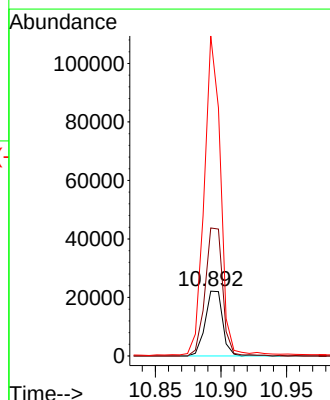
Tgt Ion:248 Resp: 20638

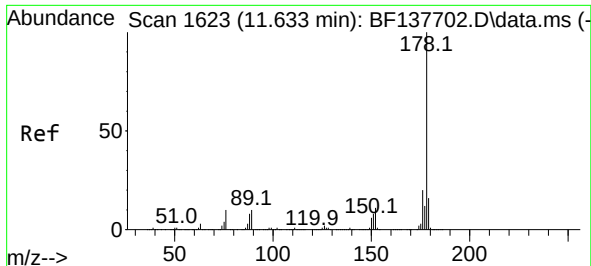
Ion Ratio Lower Upper

248 100

250 197.5 77.4 116.0#

141 493.6 57.9 86.9#

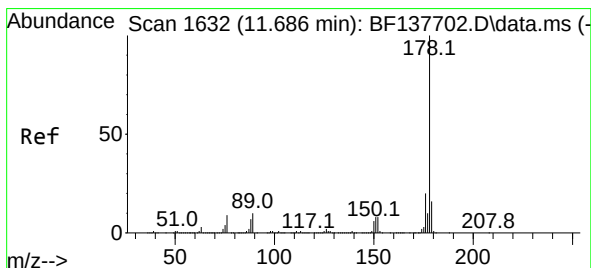
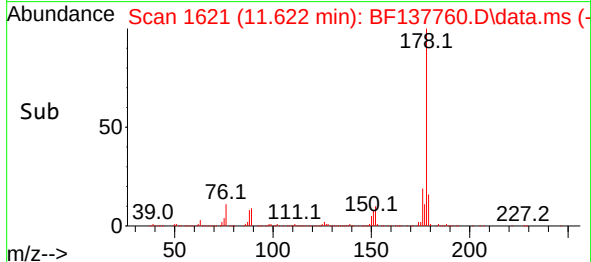
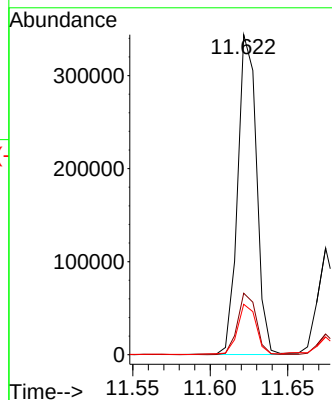
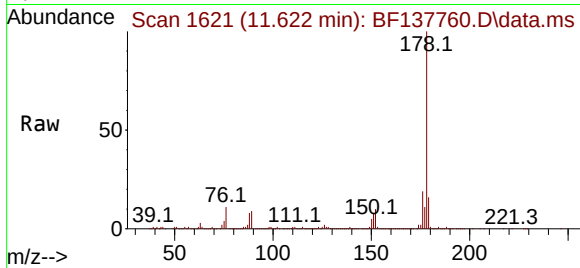




#71
Phenanthrene
Concen: 8.539 ng
RT: 11.622 min Scan# 1622
Delta R.T. -0.012 min
Lab File: BF137760.D
Acq: 29 Apr 2024 21:06

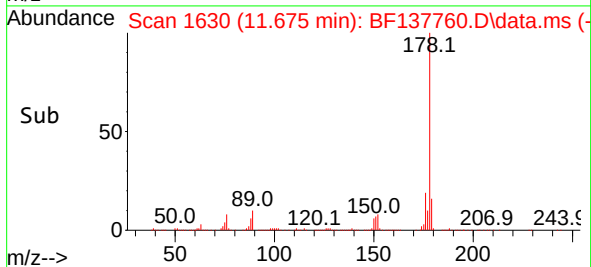
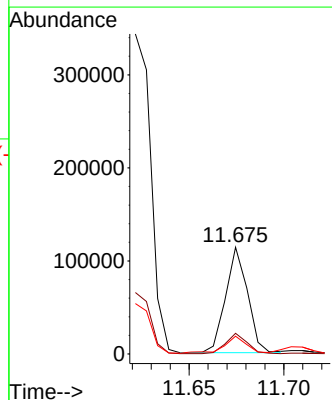
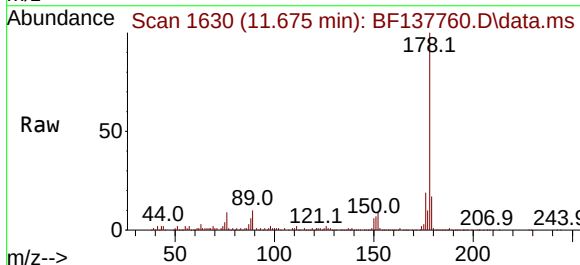
Instrument :
BNA_F
ClientSampleId :

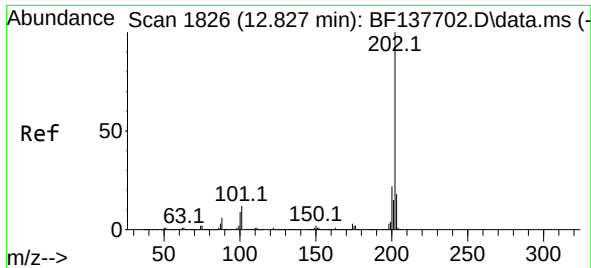
Tgt Ion:178 Resp: 290561
Ion Ratio Lower Upper
178 100
176 19.2 16.4 24.6
179 15.7 12.8 19.2



#72
Anthracene
Concen: 2.617 ng
RT: 11.675 min Scan# 1630
Delta R.T. -0.012 min
Lab File: BF137760.D
Acq: 29 Apr 2024 21:06

Tgt Ion:178 Resp: 91199
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.8
179 16.7 13.0 19.6

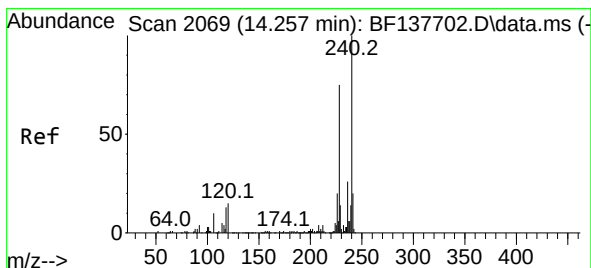
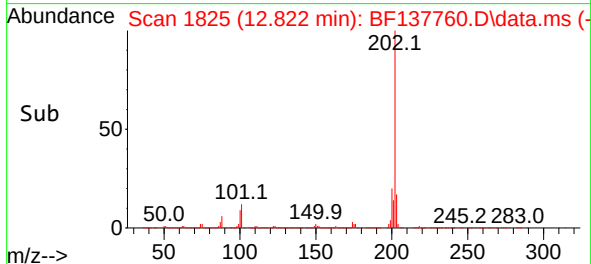
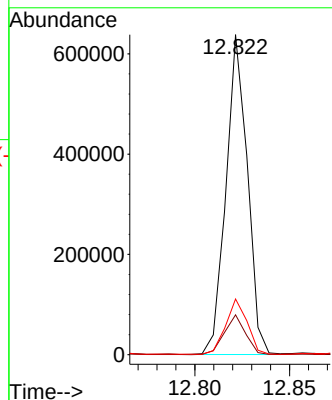
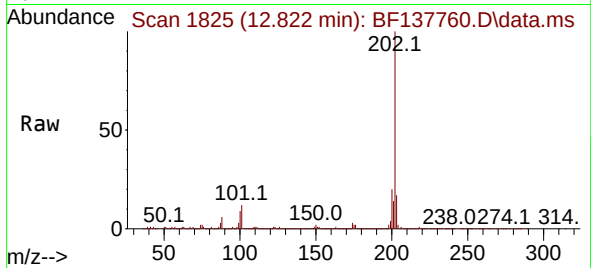




#75
Fluoranthene
Concen: 14.009 ng
RT: 12.822 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF137760.D
Acq: 29 Apr 2024 21:06

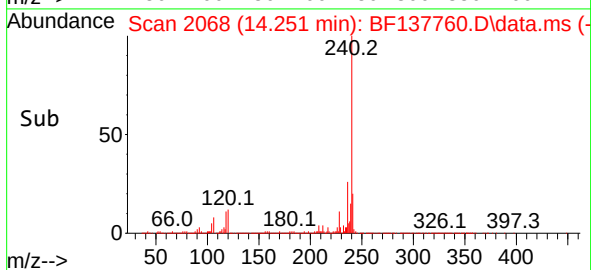
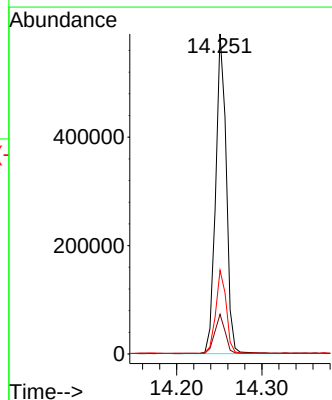
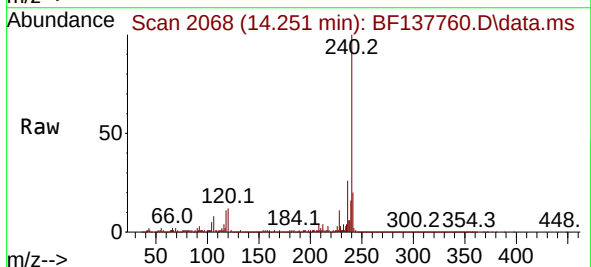
Instrument :
BNA_F
ClientSampleId :

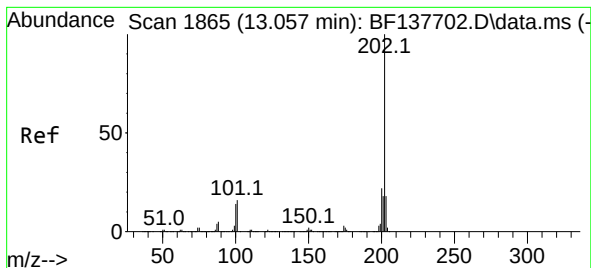
Tgt Ion:202 Resp: 501040
Ion Ratio Lower Upper
202 100
101 12.5 0.0 32.2
203 17.4 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.251 min Scan# 2068
Delta R.T. -0.006 min
Lab File: BF137760.D
Acq: 29 Apr 2024 21:06

Tgt Ion:240 Resp: 510736
Ion Ratio Lower Upper
240 100
120 12.4 11.9 17.9
236 26.1 20.8 31.2





#78

Pyrene

Concen: 10.480 ng

RT: 13.051 min Scan# 1864

Delta R.T. -0.006 min

Lab File: BF137760.D

Acq: 29 Apr 2024 21:06

Instrument :

BNA_F

ClientSampleId :

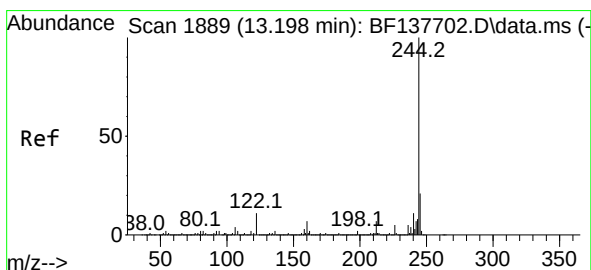
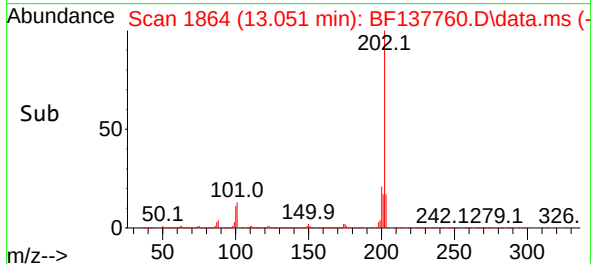
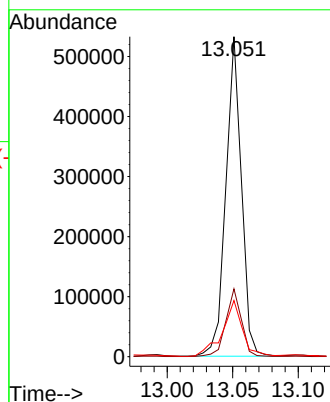
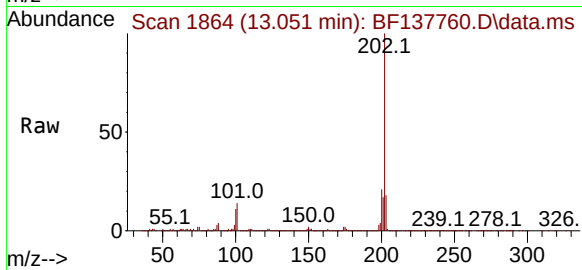
Tgt Ion:202 Resp: 439314

Ion Ratio Lower Upper

202 100

200 21.2 17.8 26.6

203 17.5 14.6 21.8



#79

Terphenyl-d14

Concen: 44.042 ng

RT: 13.186 min Scan# 1887

Delta R.T. -0.012 min

Lab File: BF137760.D

Acq: 29 Apr 2024 21:06

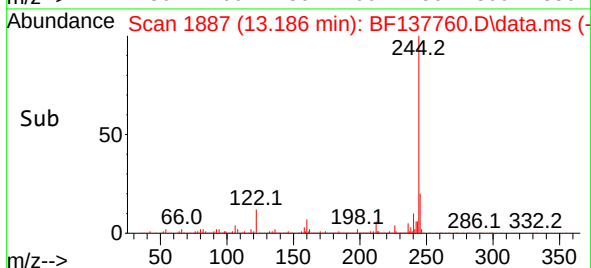
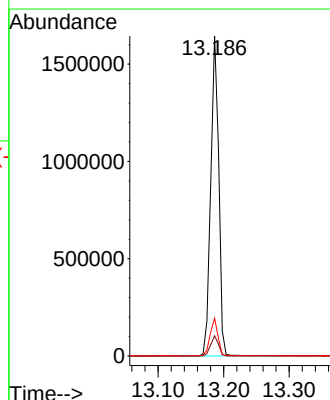
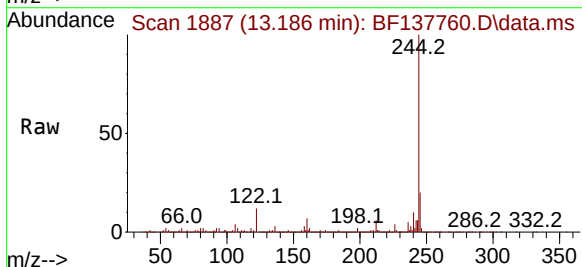
Tgt Ion:244 Resp: 1397530

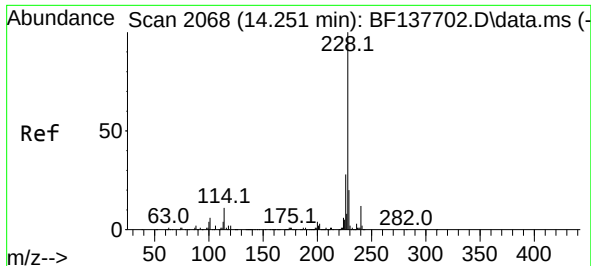
Ion Ratio Lower Upper

244 100

212 6.3 5.5 8.3

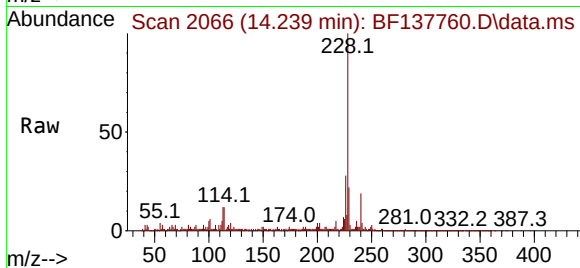
122 11.8 8.8 13.2



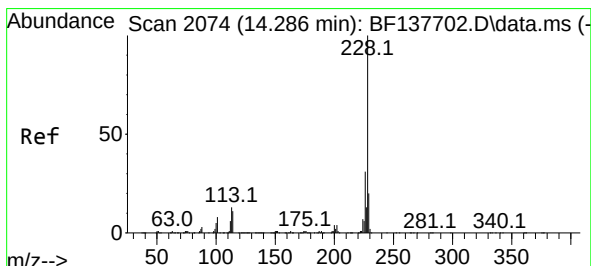
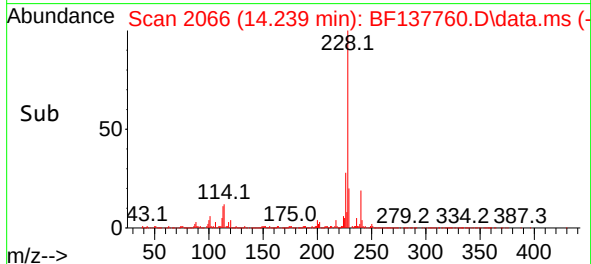
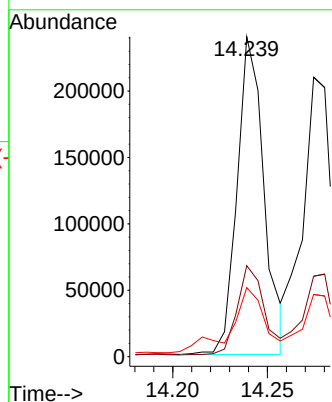


#81
Benzo(a)anthracene
Concen: 6.638 ng
RT: 14.239 min Scan# 2066
Delta R.T. -0.012 min
Lab File: BF137760.D
Acq: 29 Apr 2024 21:06

Instrument :
BNA_F
ClientSampleId :

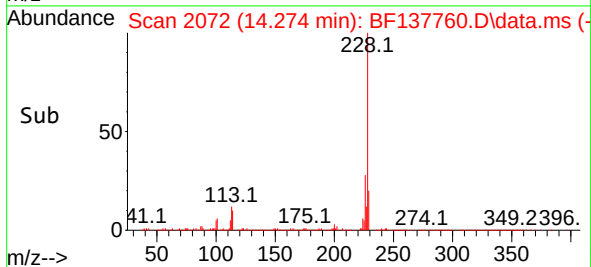
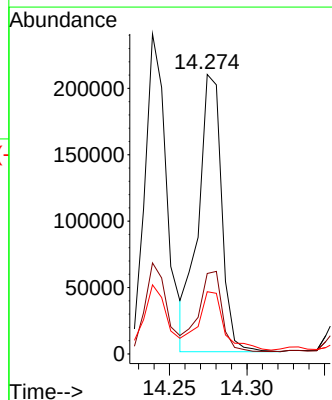
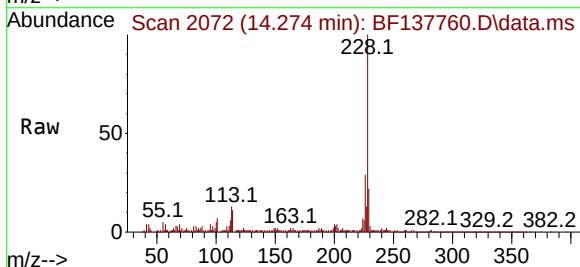


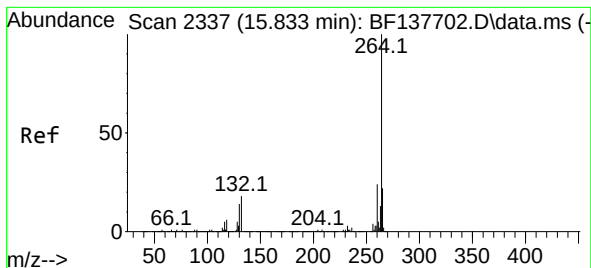
Tgt Ion:228 Resp: 236473
Ion Ratio Lower Upper
228 100
226 28.4 22.7 34.1
229 21.6 16.0 24.0



#83
Chrysene
Concen: 6.618 ng
RT: 14.274 min Scan# 2072
Delta R.T. -0.012 min
Lab File: BF137760.D
Acq: 29 Apr 2024 21:06

Tgt Ion:228 Resp: 220289
Ion Ratio Lower Upper
228 100
226 28.8 24.7 37.1
229 22.3 16.2 24.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.827 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF137760.D

Acq: 29 Apr 2024 21:06

Instrument :

BNA_F

ClientSampleId :

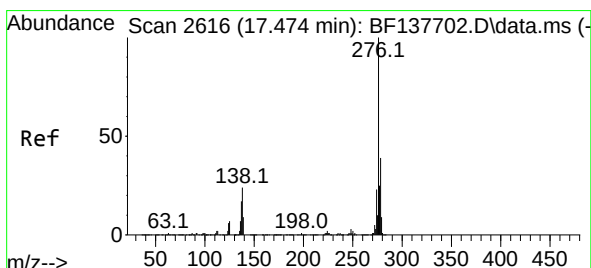
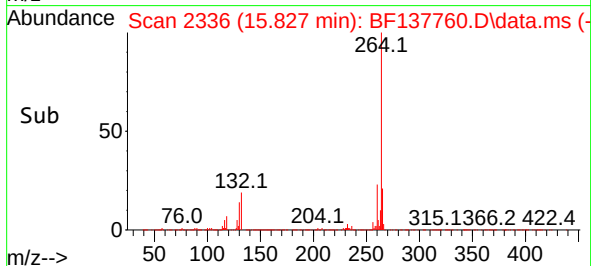
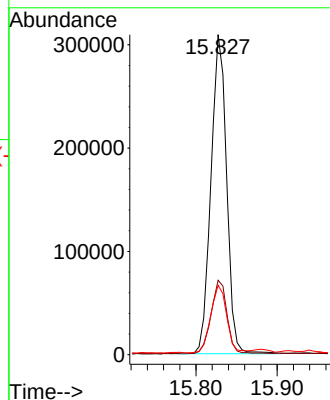
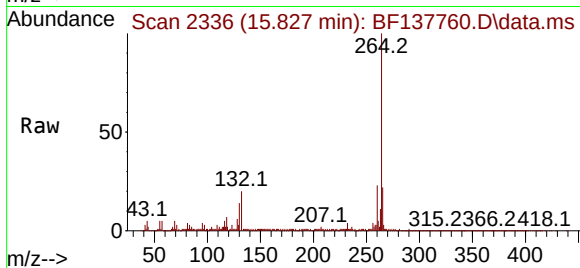
Tgt Ion:264 Resp: 413083

Ion Ratio Lower Upper

264 100

260 23.3 19.4 29.2

265 21.7 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.124 ng

RT: 17.462 min Scan# 2614

Delta R.T. -0.012 min

Lab File: BF137760.D

Acq: 29 Apr 2024 21:06

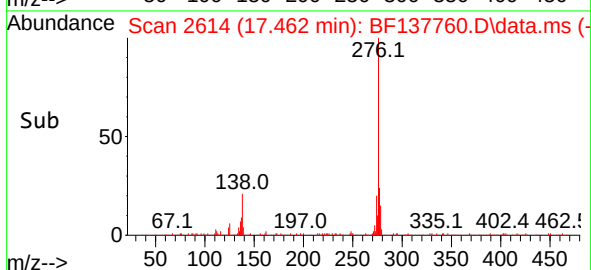
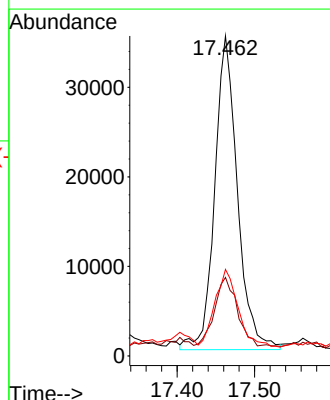
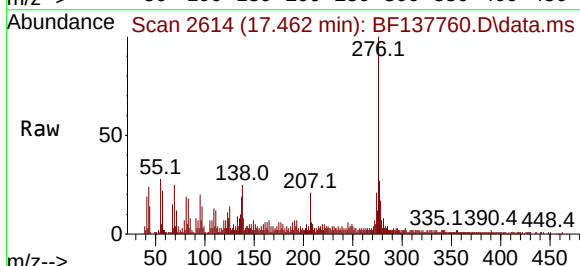
Tgt Ion:276 Resp: 71543

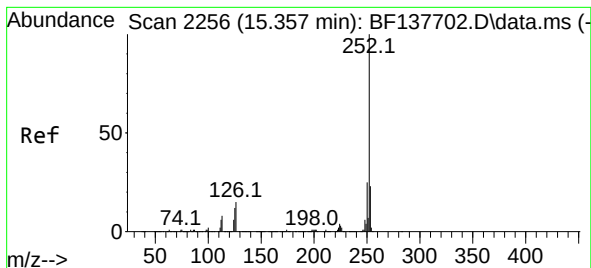
Ion Ratio Lower Upper

276 100

138 21.5 22.3 33.5#

277 25.2 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 11.034 ng

RT: 15.351 min Scan# 2255

Delta R.T. -0.006 min

Lab File: BF137760.D

Acq: 29 Apr 2024 21:06

Instrument :

BNF

ClientSampleId :

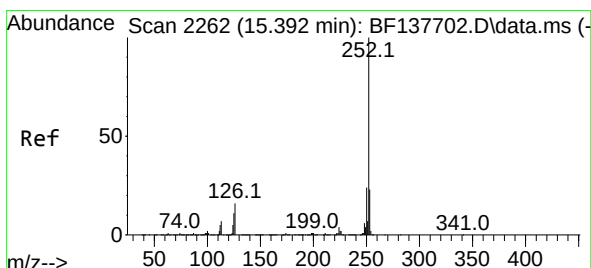
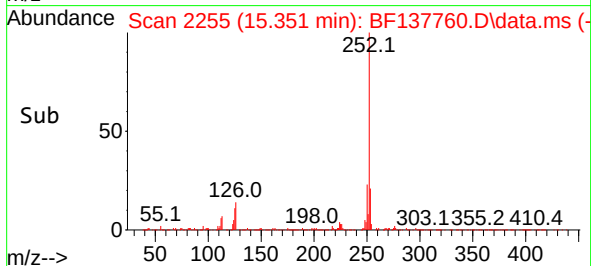
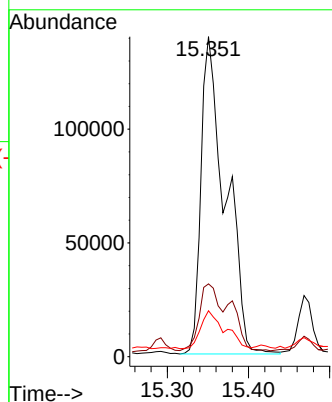
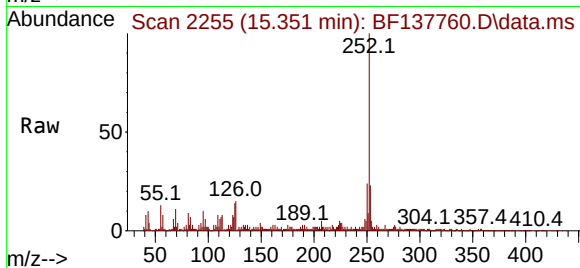
Tgt Ion:252 Resp: 291661

Ion Ratio Lower Upper

252 100

253 22.8 18.1 27.1

125 14.3 9.2 13.8#



#89

Benzo(k)fluoranthene

Concen: 11.225 ng

RT: 15.351 min Scan# 2255

Delta R.T. -0.041 min

Lab File: BF137760.D

Acq: 29 Apr 2024 21:06

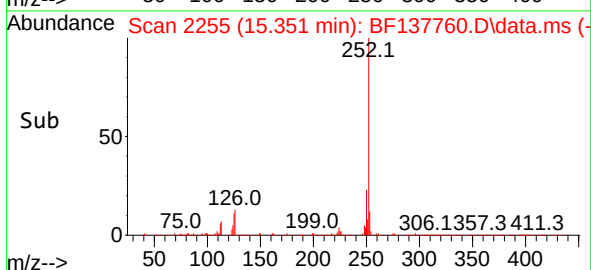
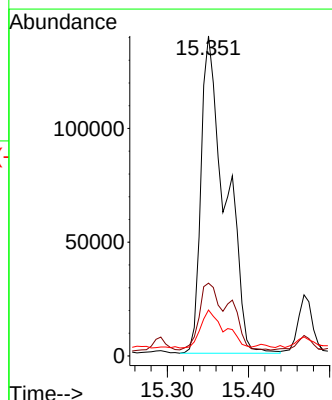
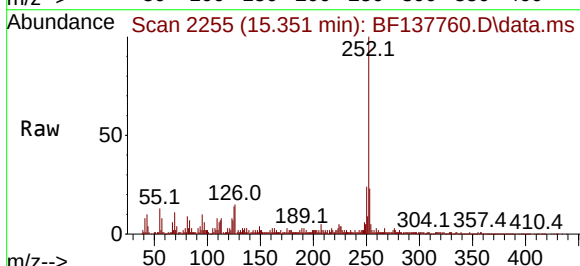
Tgt Ion:252 Resp: 291661

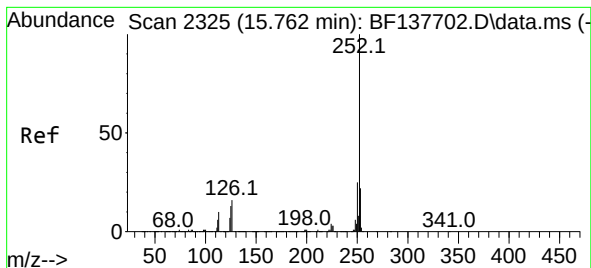
Ion Ratio Lower Upper

252 100

253 22.8 18.0 27.0

125 14.3 9.0 13.6#





#90

Benzo(a)pyrene

Concen: 6.044 ng

RT: 15.757 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF137760.D

Acq: 29 Apr 2024 21:06

Instrument :

BNA_F

ClientSampleId :

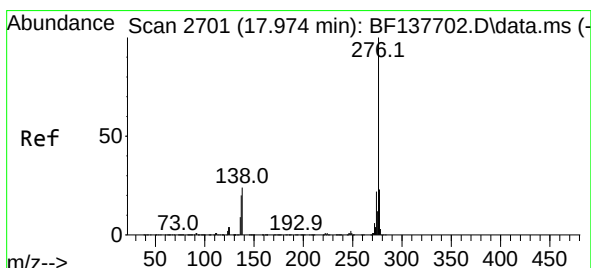
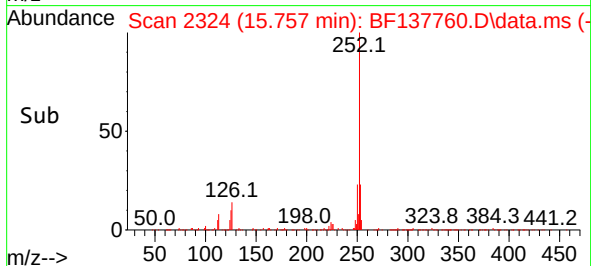
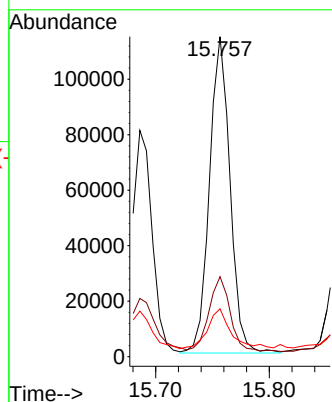
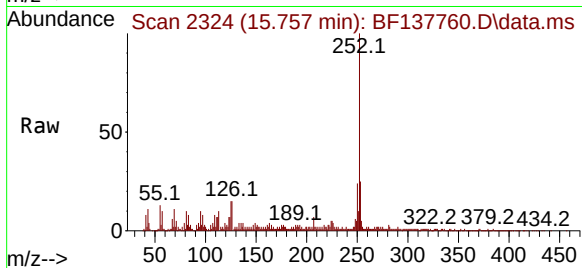
Tgt Ion:252 Resp: 143312

Ion Ratio Lower Upper

252 100

253 25.0 17.9 26.9

125 15.0 10.2 15.2



#92

Benzo(g,h,i)perylene

Concen: 3.493 ng

RT: 17.962 min Scan# 2699

Delta R.T. -0.012 min

Lab File: BF137760.D

Acq: 29 Apr 2024 21:06

Tgt Ion:276 Resp: 64557

Ion Ratio Lower Upper

276 100

277 24.3 18.5 27.7

138 25.6 19.5 29.3

