

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042924\
 Data File : BF137762.D
 Acq On : 29 Apr 2024 22:14
 Operator : CG\JU
 Sample : P2294-06
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 30 03:10:17 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)

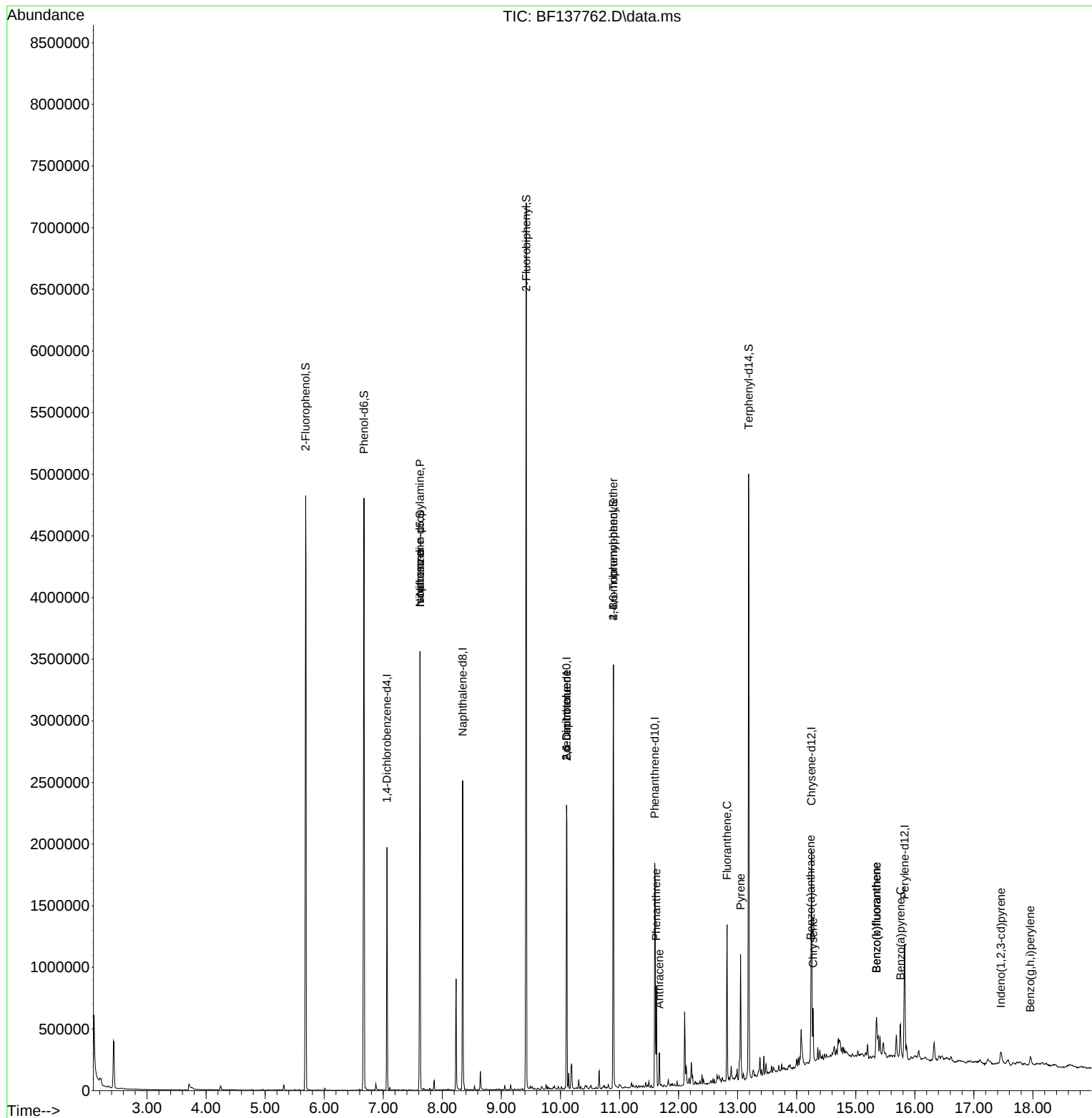
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.063	152	261022	20.000	ng	0.00
21) Naphthalene-d8	8.345	136	980771	20.000	ng	0.00
39) Acenaphthene-d10	10.104	164	492983	20.000	ng	-0.01
64) Phenanthrene-d10	11.598	188	662935	20.000	ng	0.00
76) Chrysene-d12	14.251	240	491918	20.000	ng	0.00
86) Perylene-d12	15.827	264	436662	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.687	112	1432058	83.340	ng	0.00
7) Phenol-d6	6.675	99	1775071	81.347	ng	0.00
23) Nitrobenzene-d5	7.622	82	1083770	58.658	ng	0.00
42) 2,4,6-Tribromophenol	10.898	330	396339	79.673	ng	0.00
45) 2-Fluorobiphenyl	9.422	172	2110017	63.954	ng	0.00
79) Terphenyl-d14	13.186	244	1672287	54.717	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.622	70	145102	10.283	ng	# 77
25) Isophorone	7.622	82	1083753	31.583	ng	# 64
51) 2,6-Dinitrotoluene	10.104	165	64743	8.946	ng	# 23
57) 2,4-Dinitrotoluene	10.104	165	64743	7.096	ng	# 25
67) 4-Bromophenyl-phenylether	10.898	248	27087	3.526	ng	# 1
71) Phenanthrene	11.621	178	305563	8.707	ng	97
72) Anthracene	11.674	178	91652	2.551	ng	98
75) Fluoranthene	12.821	202	445505	12.078	ng	99
78) Pyrene	13.051	202	371917	9.211	ng	98
81) Benzo(a)anthracene	14.239	228	201804	5.882	ng	98
83) Chrysene	14.280	228	174597	5.446	ng	97
87) Indeno(1,2,3-cd)pyrene	17.456	276	65193	2.693	ng	96
88) Benzo(b)fluoranthene	15.351	252	274915	9.839	ng	98
89) Benzo(k)fluoranthene	15.351	252	274915	10.009	ng	98
90) Benzo(a)pyrene	15.757	252	139502	5.565	ng	100
92) Benzo(g,h,i)perylene	17.956	276	61922	3.169	ng	97

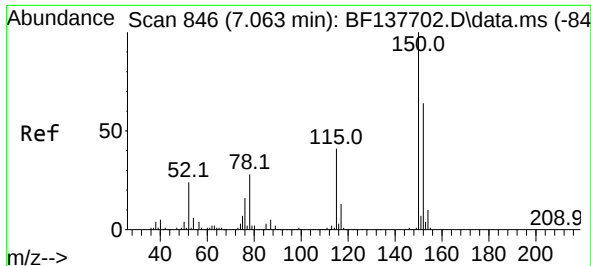
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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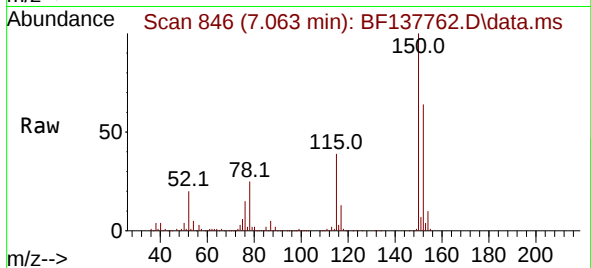
Quant Time: Apr 30 03:10:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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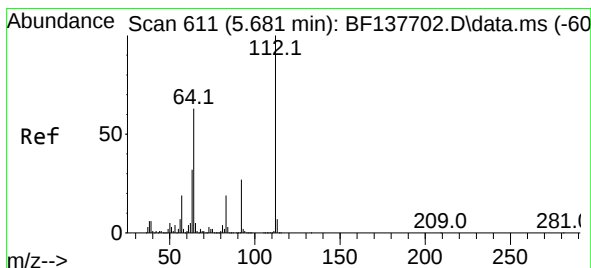
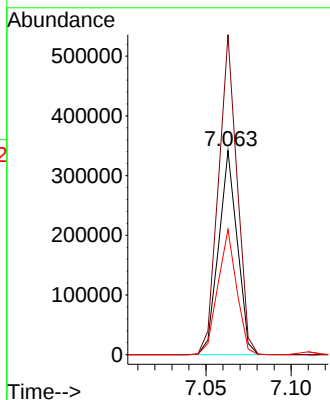
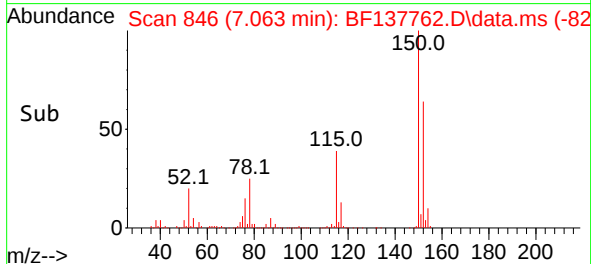


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.063 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF137762.D
Acq: 29 Apr 2024 22:14

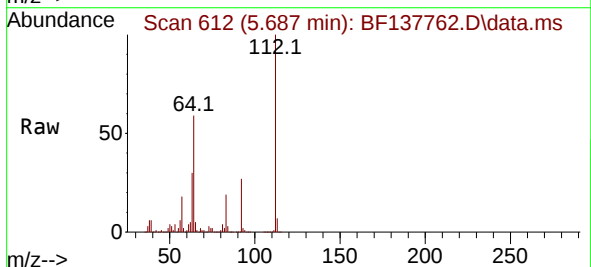
Instrument :
BNA_F
ClientSampleId :



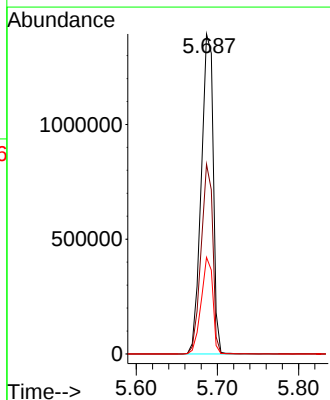
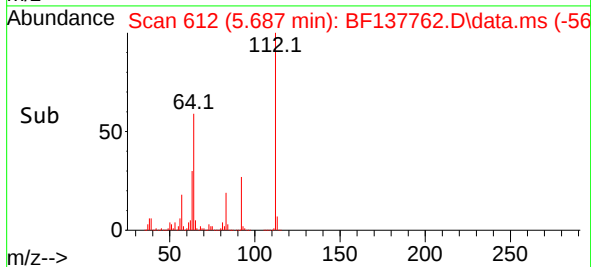
Tgt Ion:152 Resp: 261022
Ion Ratio Lower Upper
152 100
150 156.7 124.2 186.4
115 61.4 50.8 76.2

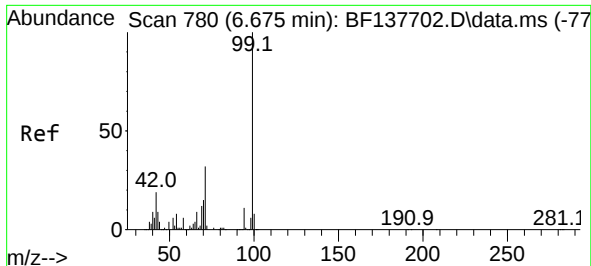


#5
2-Fluorophenol
Concen: 83.340 ng
RT: 5.687 min Scan# 612
Delta R.T. 0.006 min
Lab File: BF137762.D
Acq: 29 Apr 2024 22:14



Tgt Ion:112 Resp: 1432058
Ion Ratio Lower Upper
112 100
64 59.3 50.1 75.1
63 30.2 25.2 37.8



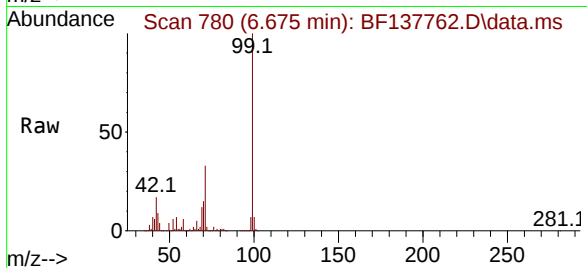


#7
Phenol-d6
Concen: 81.347 ng
RT: 6.675 min Scan# 780
Delta R.T. -0.000 min
Lab File: BF137762.D
Acq: 29 Apr 2024 22:14

Instrument :

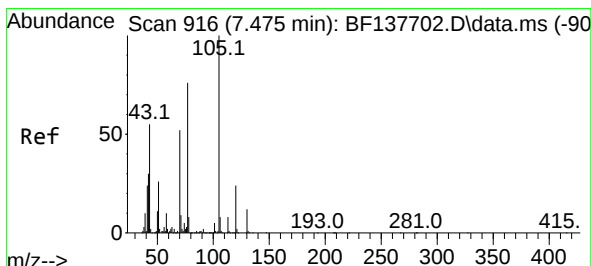
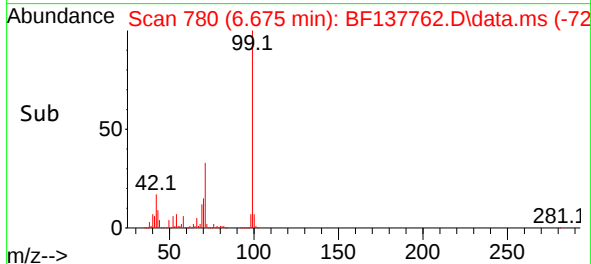
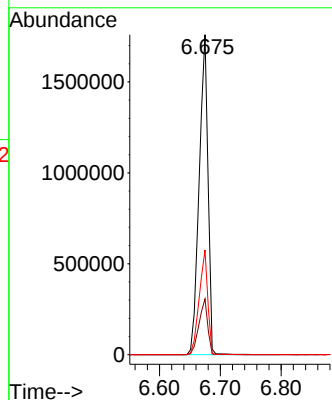
BNA_F

ClientSampleId :



Tgt Ion: 99 Resp: 1775071

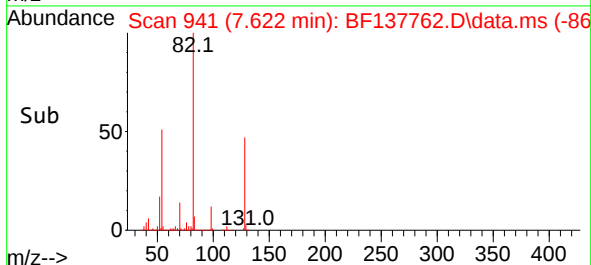
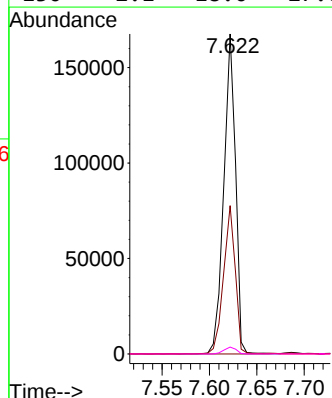
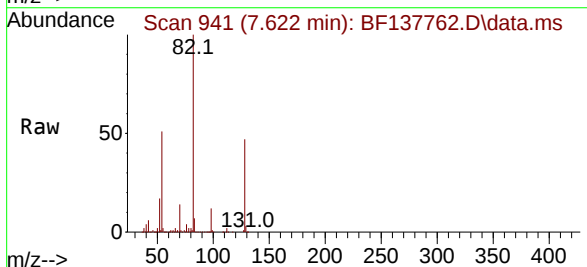
Ion	Ratio	Lower	Upper
99	100		
42	17.4	15.0	22.4
71	32.7	25.7	38.5

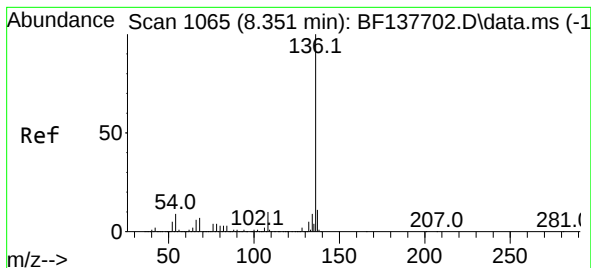


#19
n-Nitroso-di-n-propylamine
Concen: 10.283 ng
RT: 7.622 min Scan# 941
Delta R.T. 0.147 min
Lab File: BF137762.D
Acq: 29 Apr 2024 22:14

Tgt Ion: 70 Resp: 145102

Ion	Ratio	Lower	Upper
70	100		
42	46.4	45.9	68.9
101	0.0	8.0	12.0#
130	2.1	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: BF137762.D

Acq: 29 Apr 2024 22:14

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:136 Resp: 980771

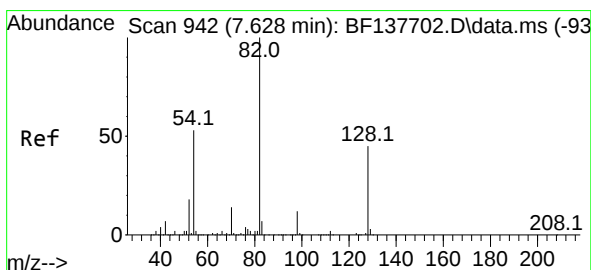
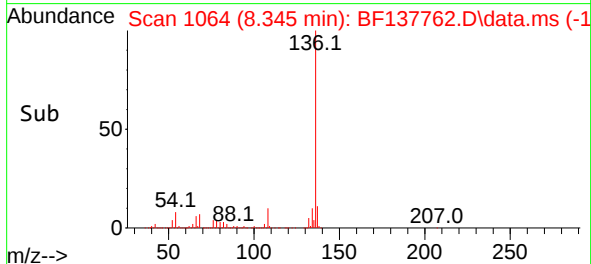
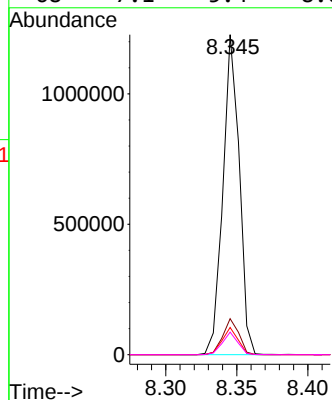
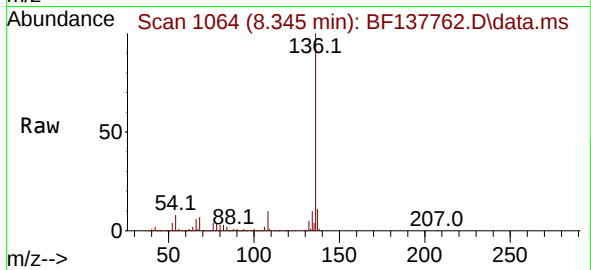
Ion Ratio Lower Upper

136 100

137 11.3 8.8 13.2

54 8.5 6.9 10.3

68 7.1 5.4 8.0



#23

Nitrobenzene-d5

Concen: 58.658 ng

RT: 7.622 min Scan# 941

Delta R.T. -0.006 min

Lab File: BF137762.D

Acq: 29 Apr 2024 22:14

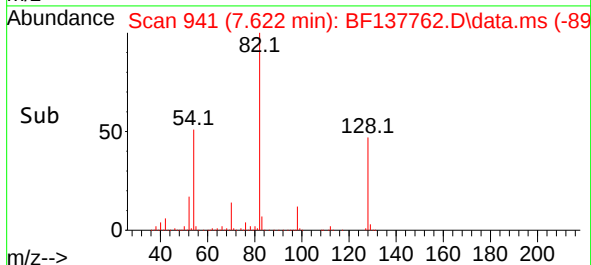
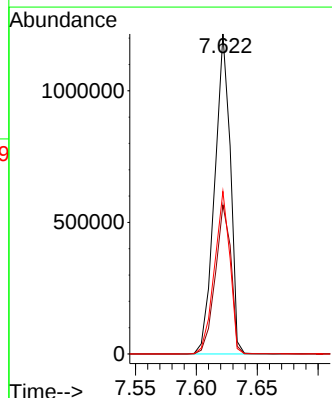
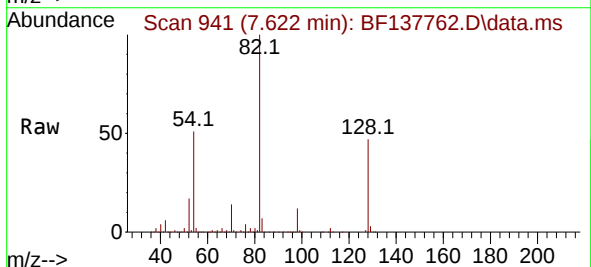
Tgt Ion: 82 Resp: 1083770

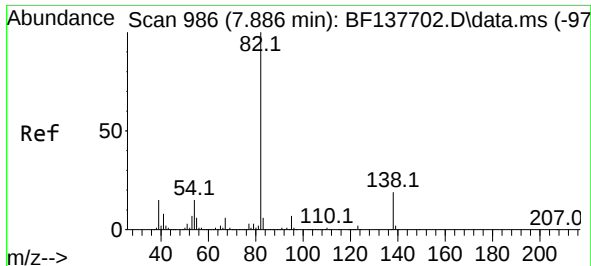
Ion Ratio Lower Upper

82 100

128 46.6 35.8 53.6

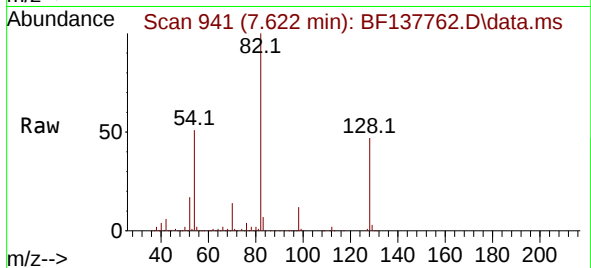
54 50.8 42.5 63.7



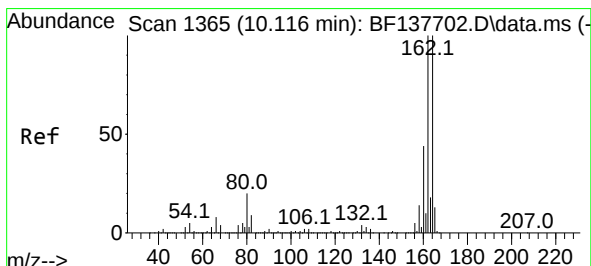
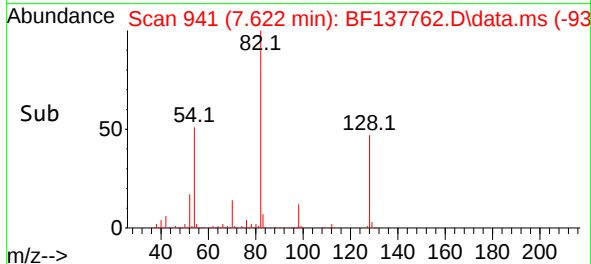
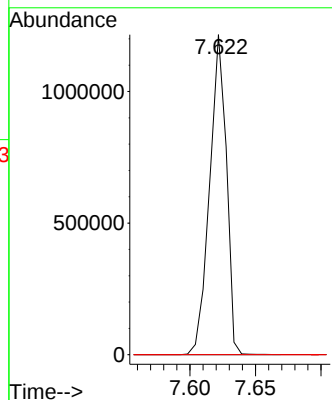


#25
Isophorone
Concen: 31.583 ng
RT: 7.622 min Scan# 941
Delta R.T. -0.265 min
Lab File: BF137762.D
Acq: 29 Apr 2024 22:14

Instrument :
BNA_F
ClientSampleId :

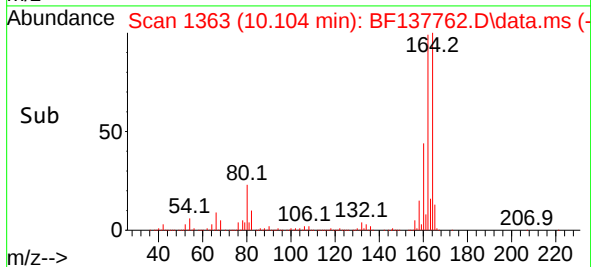
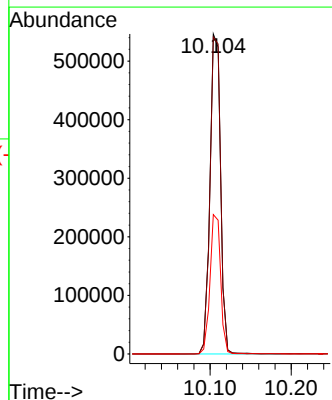
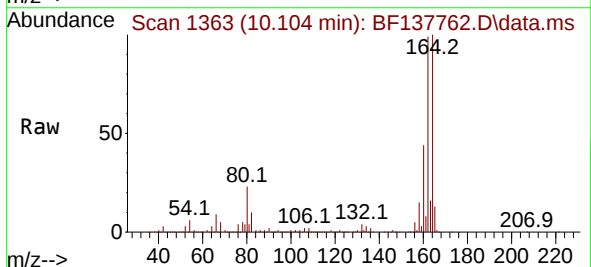


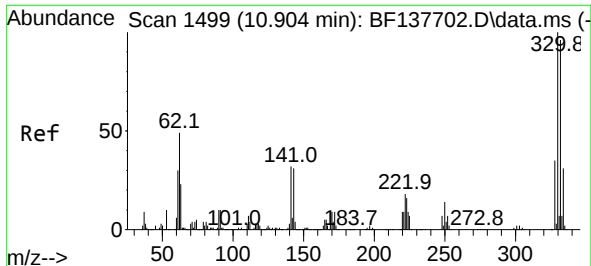
Tgt Ion: 82 Resp: 1083753
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 15.3 22.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.104 min Scan# 1363
Delta R.T. -0.012 min
Lab File: BF137762.D
Acq: 29 Apr 2024 22:14

Tgt Ion: 164 Resp: 492983
Ion Ratio Lower Upper
164 100
162 99.0 80.3 120.5
160 43.5 35.0 52.4





#42

2,4,6-Tribromophenol

Concen: 79.673 ng

RT: 10.898 min Scan# 1499

Delta R.T. -0.006 min

Lab File: BF137762.D

Acq: 29 Apr 2024 22:14

Instrument :

BNA_F

ClientSampleId :

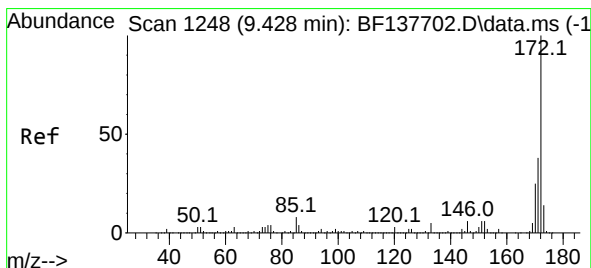
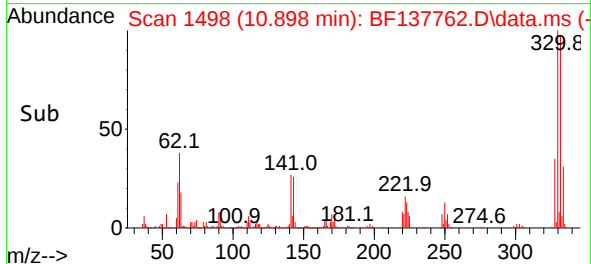
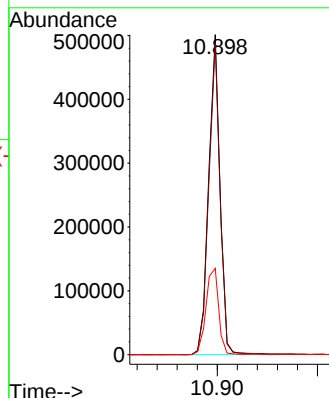
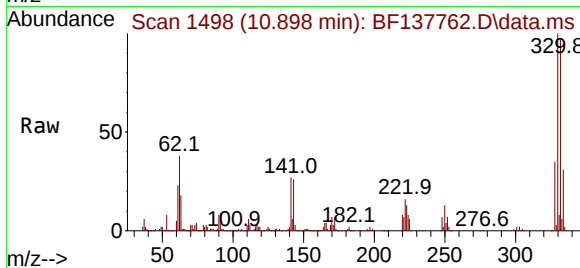
Tgt Ion:330 Resp: 396339

Ion Ratio Lower Upper

330 100

332 96.7 77.1 115.7

141 30.4 27.0 40.4



#45

2-Fluorobiphenyl

Concen: 63.954 ng

RT: 9.422 min Scan# 1247

Delta R.T. -0.006 min

Lab File: BF137762.D

Acq: 29 Apr 2024 22:14

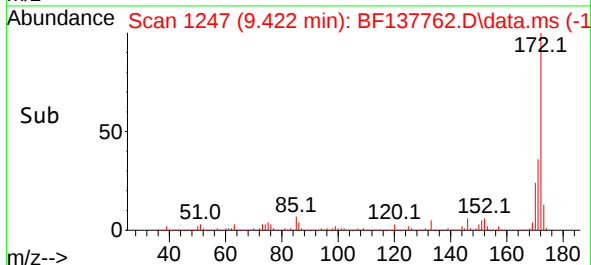
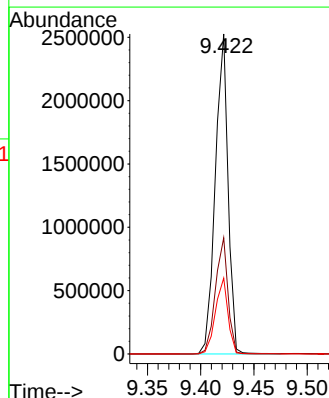
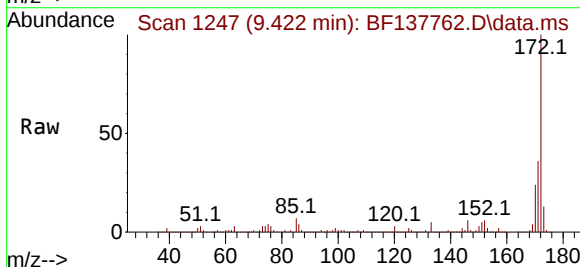
Tgt Ion:172 Resp: 2110017

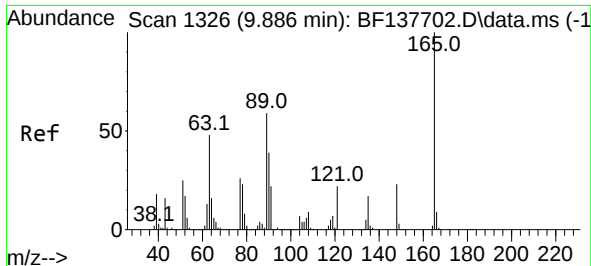
Ion Ratio Lower Upper

172 100

171 36.3 30.2 45.4

170 23.7 20.2 30.4





#51

2,6-Dinitrotoluene

Concen: 8.946 ng

RT: 10.104 min Scan# 11

Delta R.T. 0.218 min

Lab File: BF137762.D

Acq: 29 Apr 2024 22:14

Instrument :

BNA_F

ClientSampleId :

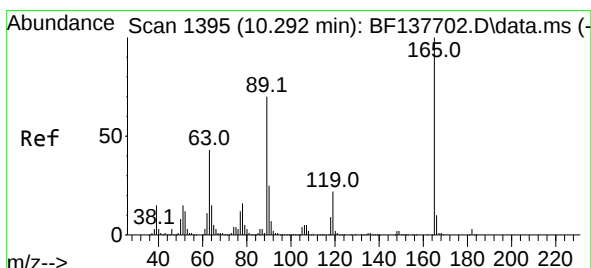
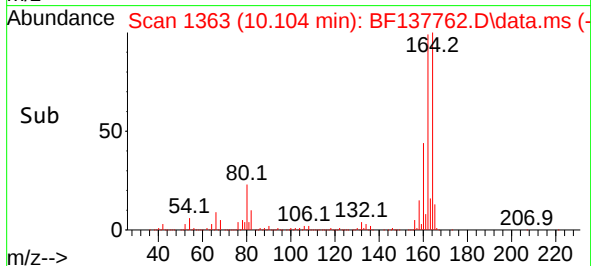
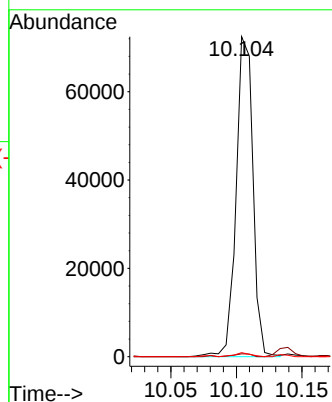
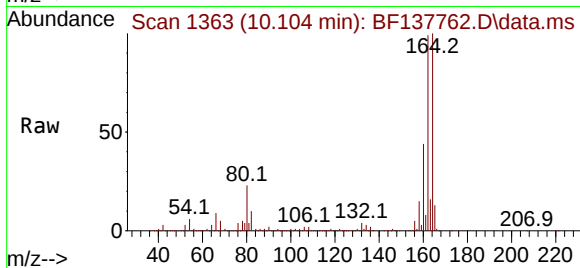
Tgt Ion:165 Resp: 64743

Ion Ratio Lower Upper

165 100

63 0.9 47.7 71.5#

89 1.3 47.3 70.9#



#57

2,4-Dinitrotoluene

Concen: 7.096 ng

RT: 10.104 min Scan# 1363

Delta R.T. -0.188 min

Lab File: BF137762.D

Acq: 29 Apr 2024 22:14

Tgt Ion:165 Resp: 64743

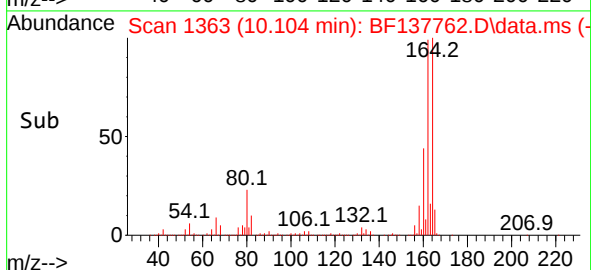
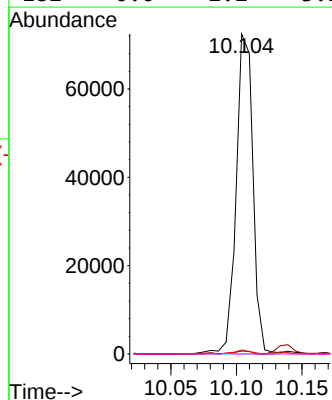
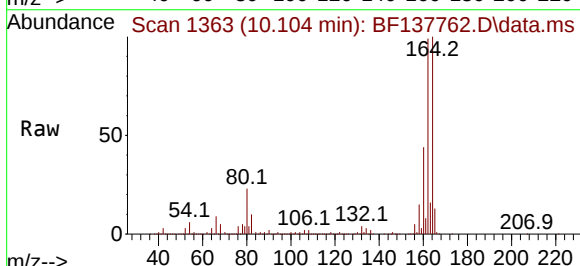
Ion Ratio Lower Upper

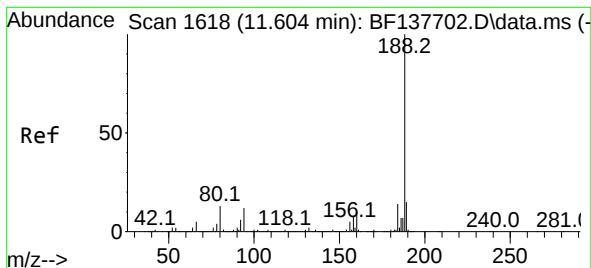
165 100

63 0.9 34.1 51.1#

89 1.3 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: BF137762.D

Acq: 29 Apr 2024 22:14

Instrument :

BNA_F

ClientSampleId :

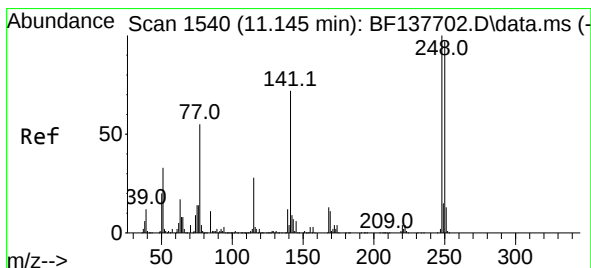
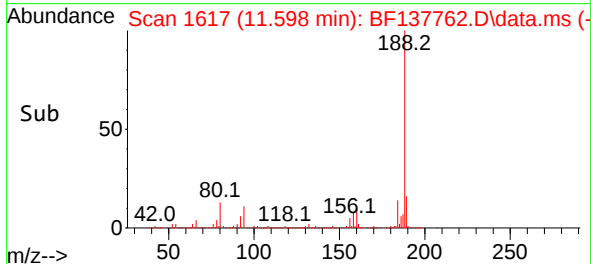
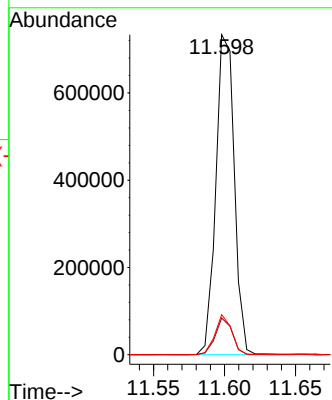
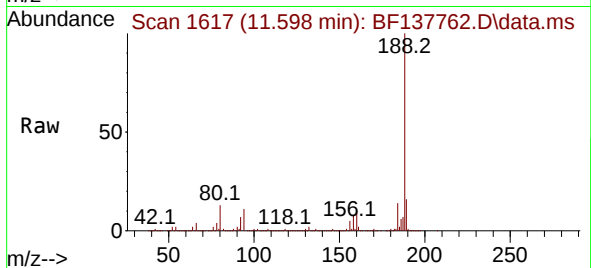
Tgt Ion:188 Resp: 662935

Ion Ratio Lower Upper

188 100

94 11.4 9.4 14.2

80 12.5 10.2 15.4



#67

4-Bromophenyl-phenylether

Concen: 3.526 ng

RT: 10.898 min Scan# 1498

Delta R.T. -0.247 min

Lab File: BF137762.D

Acq: 29 Apr 2024 22:14

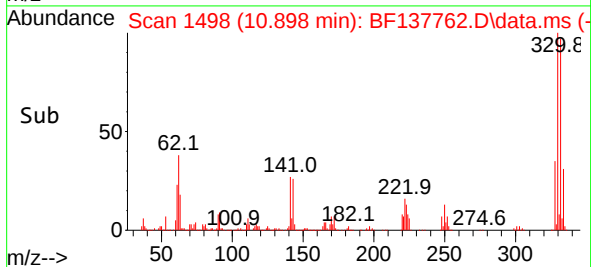
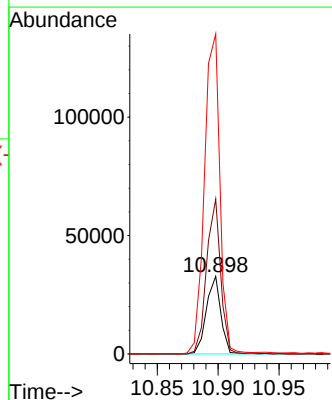
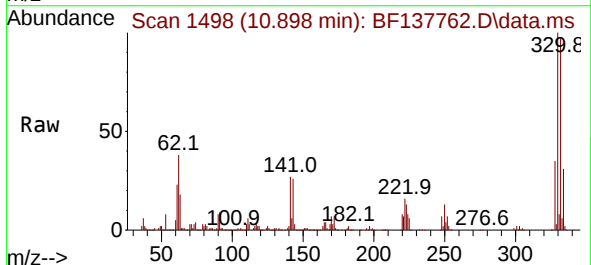
Tgt Ion:248 Resp: 27087

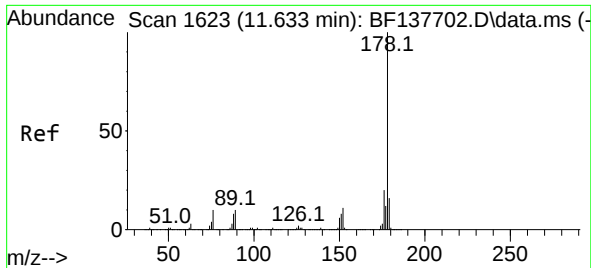
Ion Ratio Lower Upper

248 100

250 199.7 77.4 116.0#

141 412.5 57.9 86.9#

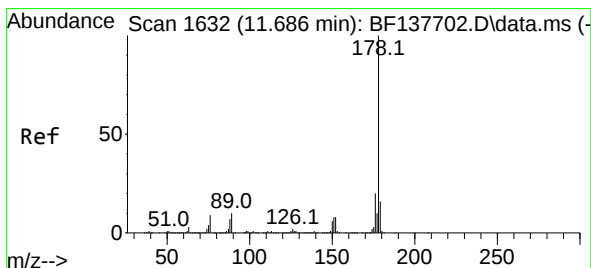
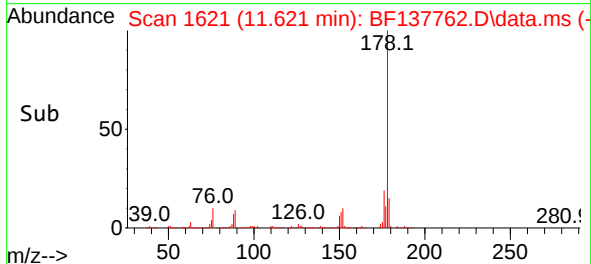
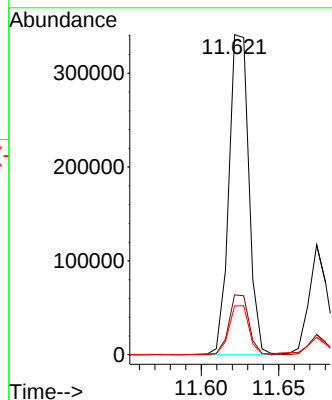
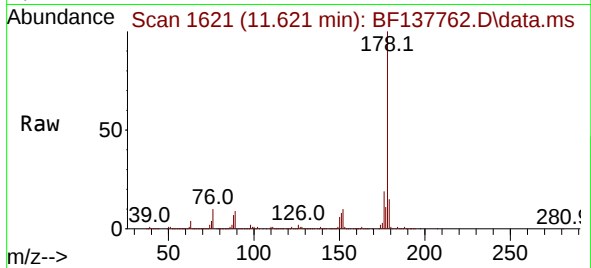




#71
Phenanthrene
Concen: 8.707 ng
RT: 11.621 min Scan# 1621
Delta R.T. -0.012 min
Lab File: BF137762.D
Acq: 29 Apr 2024 22:14

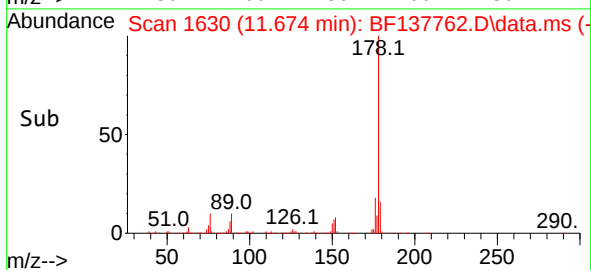
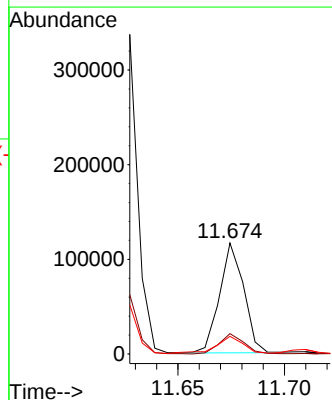
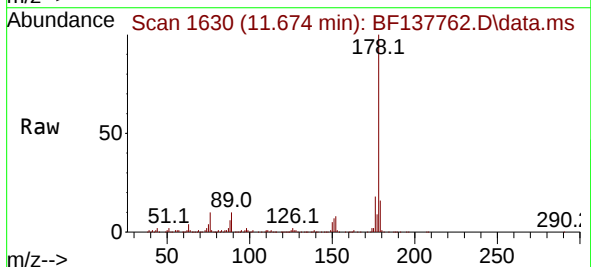
Instrument :
BNA_F
ClientSampleId :

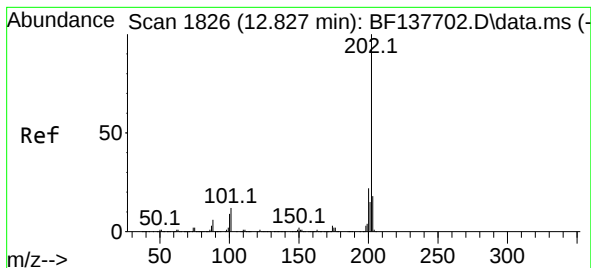
Tgt Ion:178 Resp: 305563
Ion Ratio Lower Upper
178 100
176 18.7 16.4 24.6
179 15.2 12.8 19.2



#72
Anthracene
Concen: 2.551 ng
RT: 11.674 min Scan# 1630
Delta R.T. -0.012 min
Lab File: BF137762.D
Acq: 29 Apr 2024 22:14

Tgt Ion:178 Resp: 91652
Ion Ratio Lower Upper
178 100
176 18.3 15.8 23.8
179 15.9 13.0 19.6





#75

Fluoranthene

Concen: 12.078 ng

RT: 12.821 min Scan# 1826

Delta R.T. -0.006 min

Lab File: BF137762.D

Acq: 29 Apr 2024 22:14

Instrument :

BNA_F

ClientSampleId :

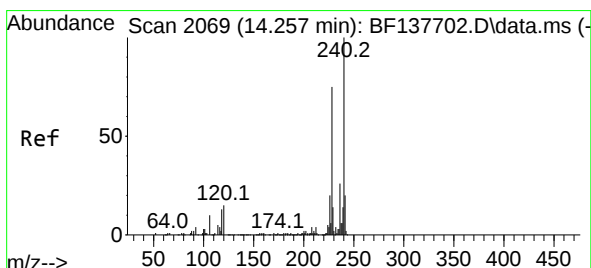
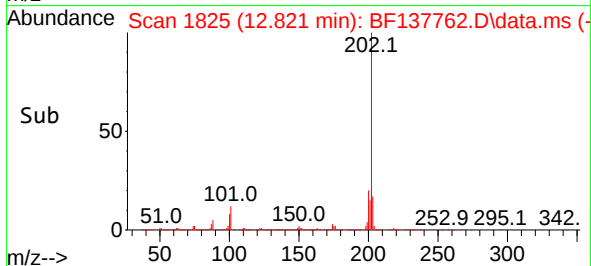
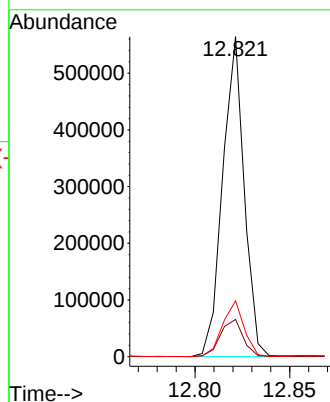
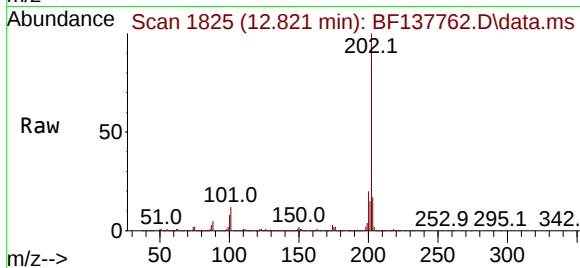
Tgt Ion:202 Resp: 445505

Ion Ratio Lower Upper

202 100

101 11.6 0.0 32.2

203 17.5 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: BF137762.D

Acq: 29 Apr 2024 22:14

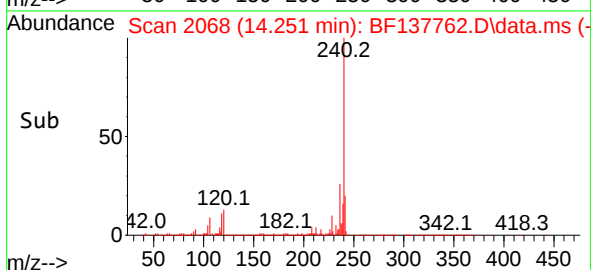
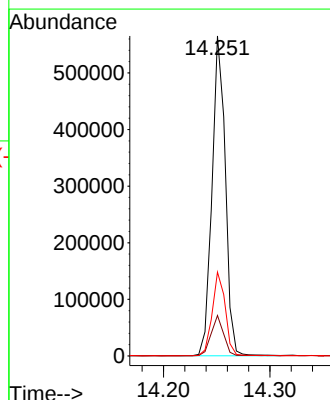
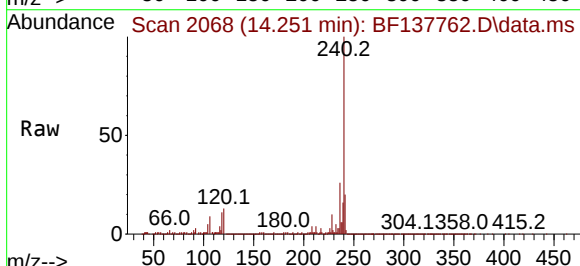
Tgt Ion:240 Resp: 491918

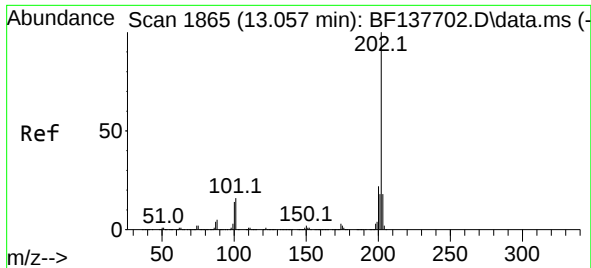
Ion Ratio Lower Upper

240 100

120 12.7 11.9 17.9

236 26.2 20.8 31.2

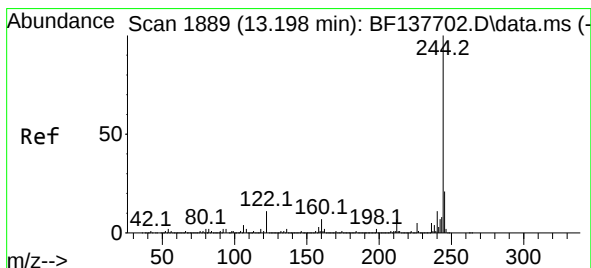
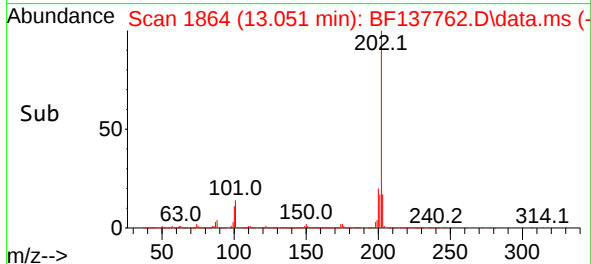
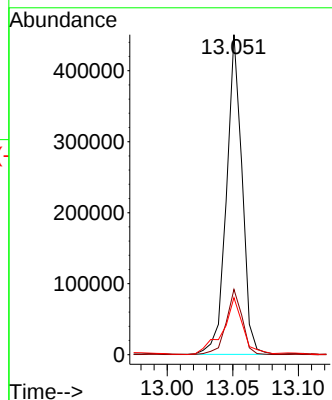
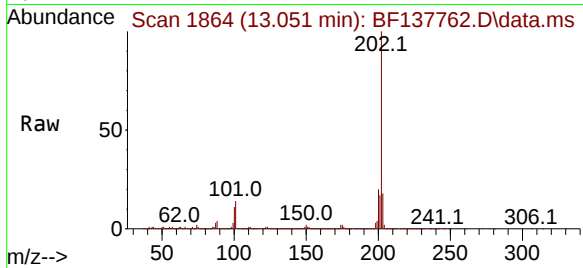




#78
Pyrene
Concen: 9.211 ng
RT: 13.051 min Scan# 1864
Delta R.T. -0.006 min
Lab File: BF137762.D
Acq: 29 Apr 2024 22:14

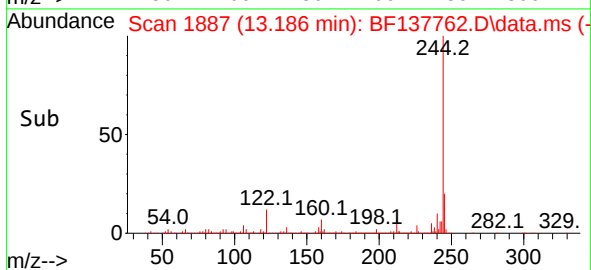
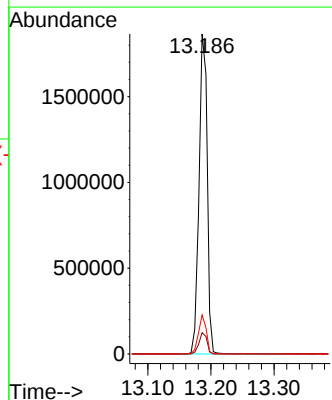
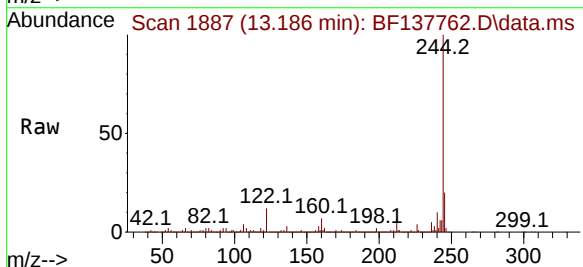
Instrument :
BNA_F
ClientSampleId :

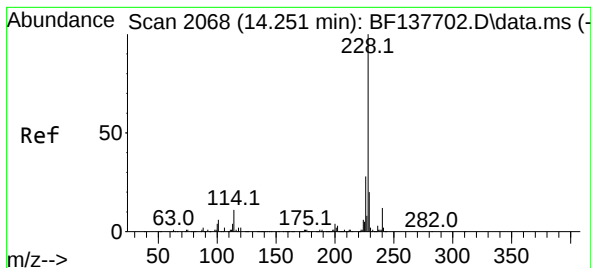
Tgt Ion:202 Resp: 371917
Ion Ratio Lower Upper
202 100
200 20.4 17.8 26.6
203 17.8 14.6 21.8



#79
Terphenyl-d14
Concen: 54.717 ng
RT: 13.186 min Scan# 1887
Delta R.T. -0.012 min
Lab File: BF137762.D
Acq: 29 Apr 2024 22:14

Tgt Ion:244 Resp: 1672287
Ion Ratio Lower Upper
244 100
212 6.7 5.5 8.3
122 12.2 8.8 13.2





#81

Benzo(a)anthracene

Concen: 5.882 ng

RT: 14.239 min Scan# 2066

Delta R.T. -0.012 min

Lab File: BF137762.D

Acq: 29 Apr 2024 22:14

Instrument :

BNA_F

ClientSampleId :

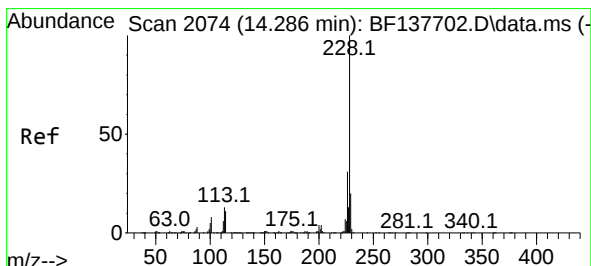
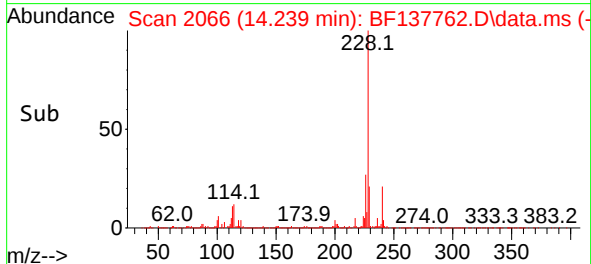
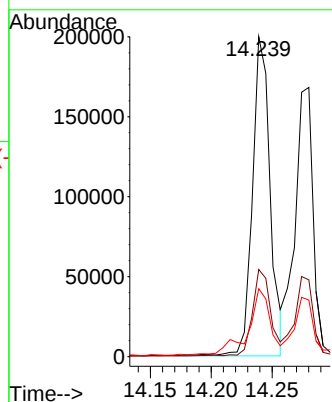
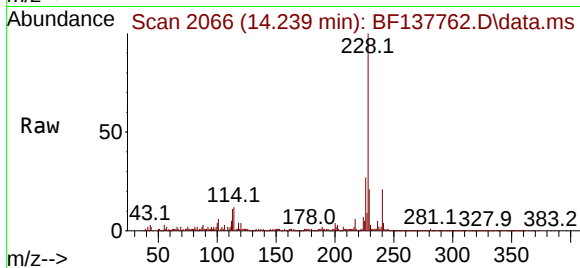
Tgt Ion:228 Resp: 201804

Ion Ratio Lower Upper

228 100

226 27.3 22.7 34.1

229 21.2 16.0 24.0



#83

Chrysene

Concen: 5.446 ng

RT: 14.280 min Scan# 2073

Delta R.T. -0.006 min

Lab File: BF137762.D

Acq: 29 Apr 2024 22:14

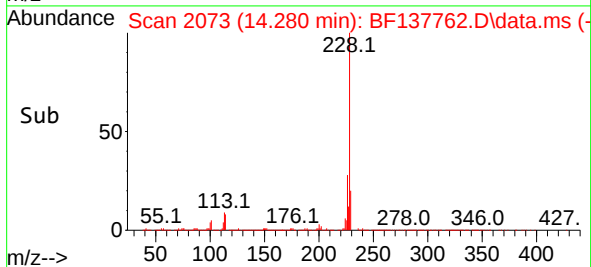
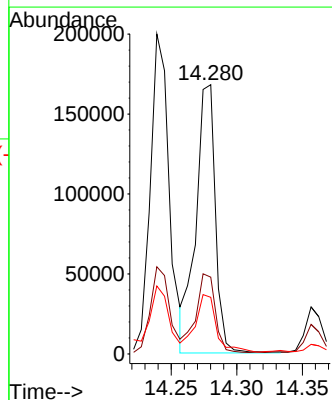
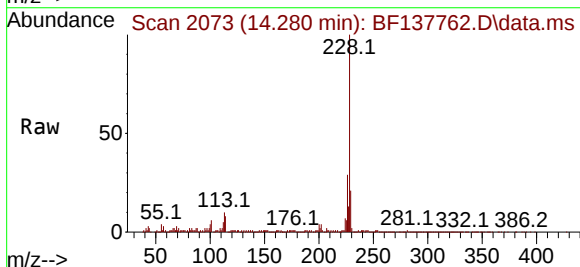
Tgt Ion:228 Resp: 174597

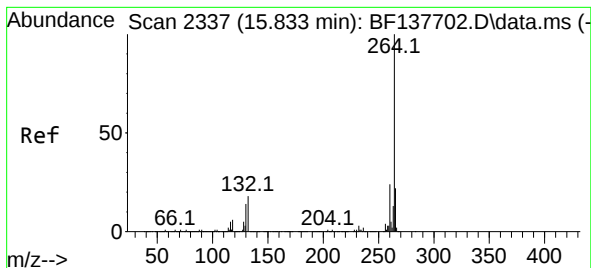
Ion Ratio Lower Upper

228 100

226 28.6 24.7 37.1

229 21.0 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: BF137762.D

Acq: 29 Apr 2024 22:14

Instrument :

BNA_F

ClientSampleId :

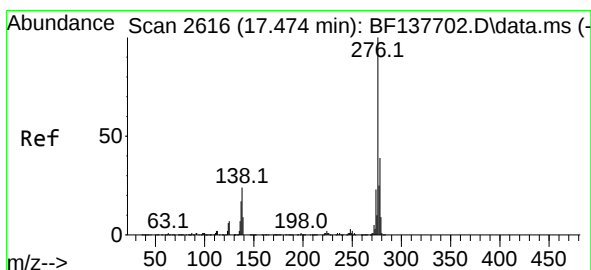
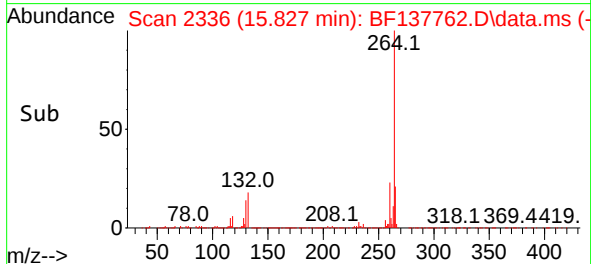
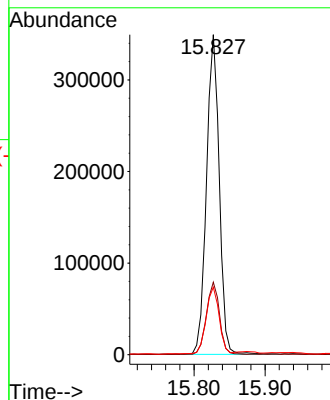
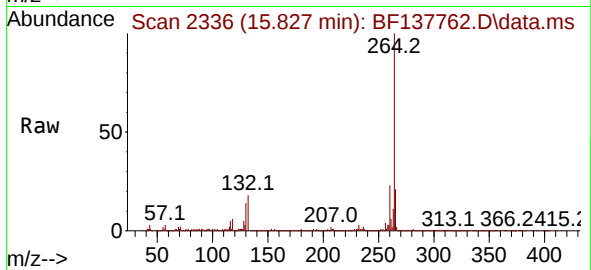
Tgt Ion:264 Resp: 436662

Ion Ratio Lower Upper

264 100

260 22.7 19.4 29.2

265 21.1 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.693 ng

RT: 17.456 min Scan# 2613

Delta R.T. -0.018 min

Lab File: BF137762.D

Acq: 29 Apr 2024 22:14

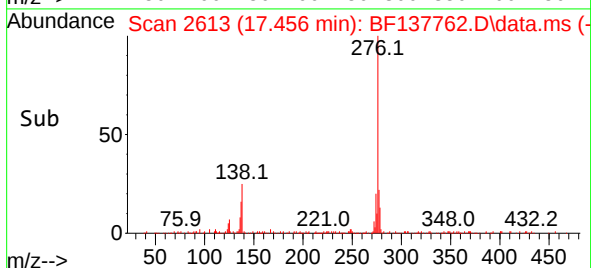
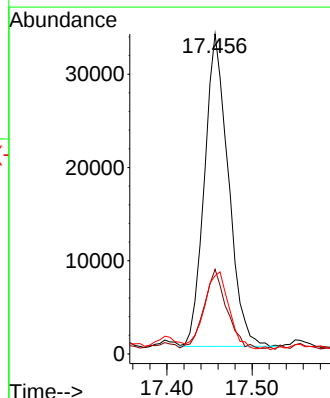
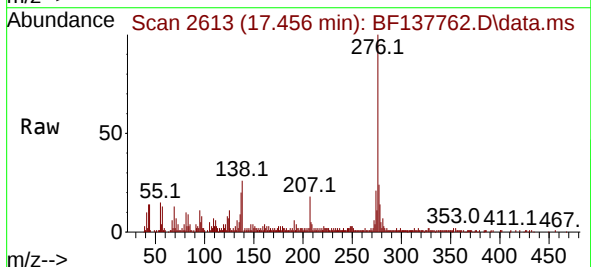
Tgt Ion:276 Resp: 65193

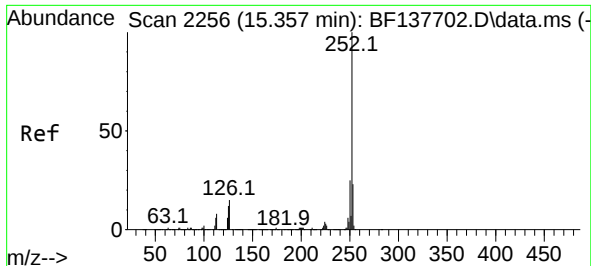
Ion Ratio Lower Upper

276 100

138 24.0 22.3 33.5

277 25.1 20.2 30.2

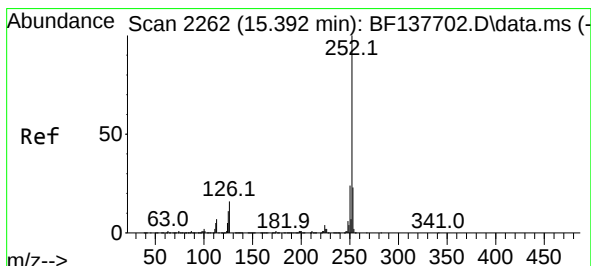
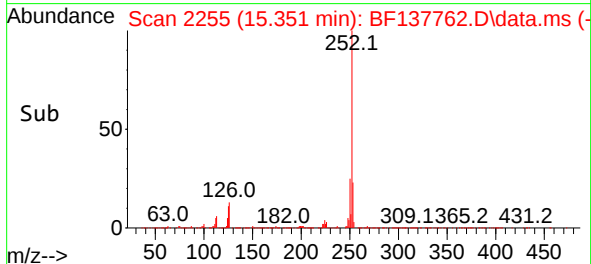
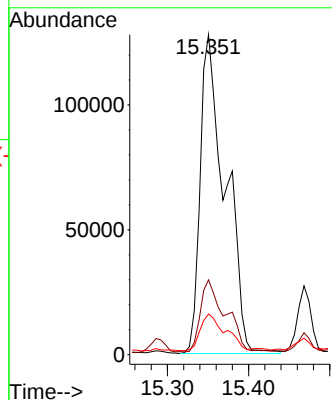
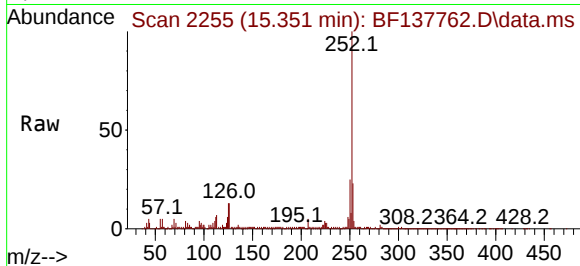




#88
Benzo(b)fluoranthene
Concen: 9.839 ng
RT: 15.351 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF137762.D
Acq: 29 Apr 2024 22:14

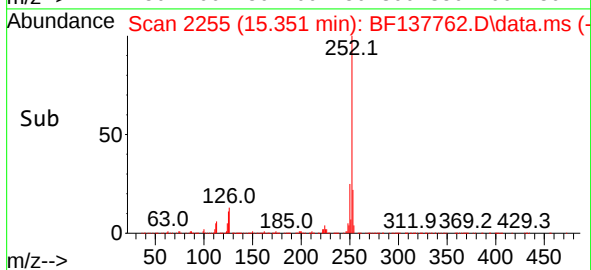
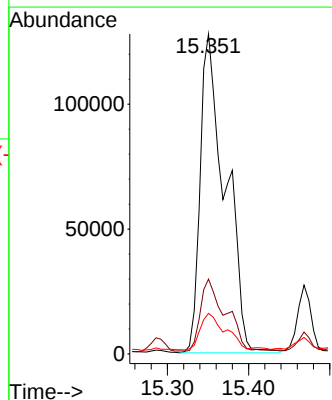
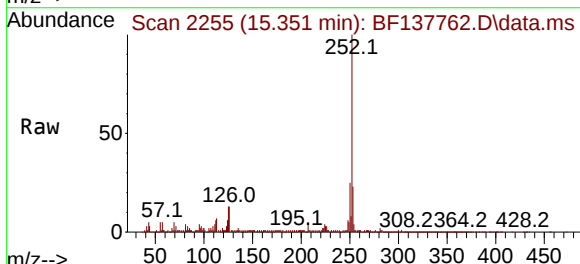
Instrument :
BNA_F
ClientSampleId :

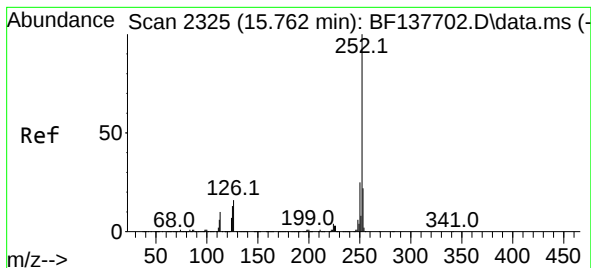
Tgt Ion:252 Resp: 274915
Ion Ratio Lower Upper
252 100
253 23.4 18.1 27.1
125 12.7 9.2 13.8



#89
Benzo(k)fluoranthene
Concen: 10.009 ng
RT: 15.351 min Scan# 2255
Delta R.T. -0.041 min
Lab File: BF137762.D
Acq: 29 Apr 2024 22:14

Tgt Ion:252 Resp: 274915
Ion Ratio Lower Upper
252 100
253 23.4 18.0 27.0
125 12.7 9.0 13.6





#90

Benzo(a)pyrene

Concen: 5.565 ng

RT: 15.757 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF137762.D

Acq: 29 Apr 2024 22:14

Instrument :

BNF_F

ClientSampleId :

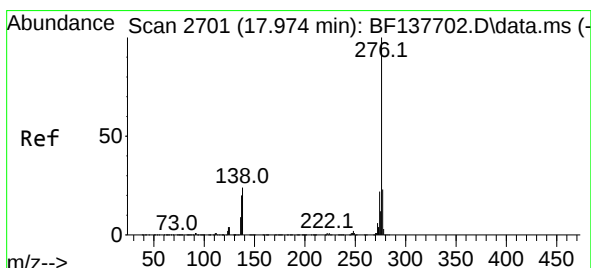
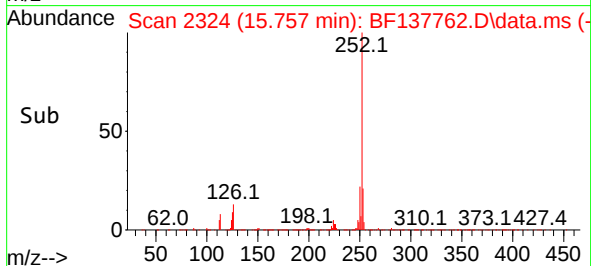
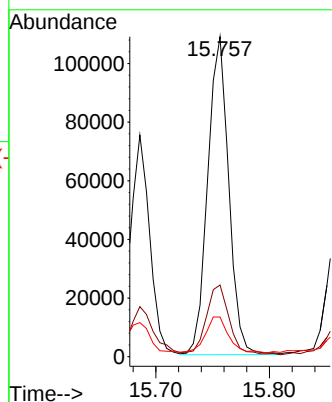
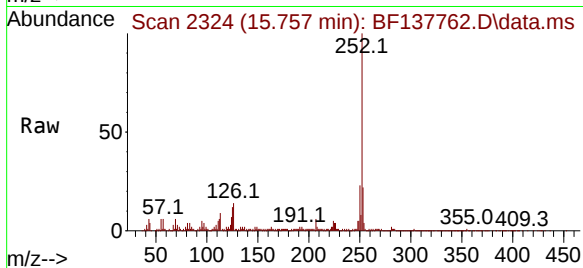
Tgt Ion:252 Resp: 139502

Ion Ratio Lower Upper

252 100

253 22.4 17.9 26.9

125 12.4 10.2 15.2



#92

Benzo(g,h,i)perylene

Concen: 3.169 ng

RT: 17.956 min Scan# 2698

Delta R.T. -0.018 min

Lab File: BF137762.D

Acq: 29 Apr 2024 22:14

Tgt Ion:276 Resp: 61922

Ion Ratio Lower Upper

276 100

277 23.7 18.5 27.7

138 22.0 19.5 29.3

