

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052124\
 Data File : BF137987.D
 Acq On : 21 May 2024 19:45
 Operator : CG\JU
 Sample : P2531-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-B

Quant Time: May 22 01:30:28 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 15 04:12:16 2024
 Response via : Initial Calibration

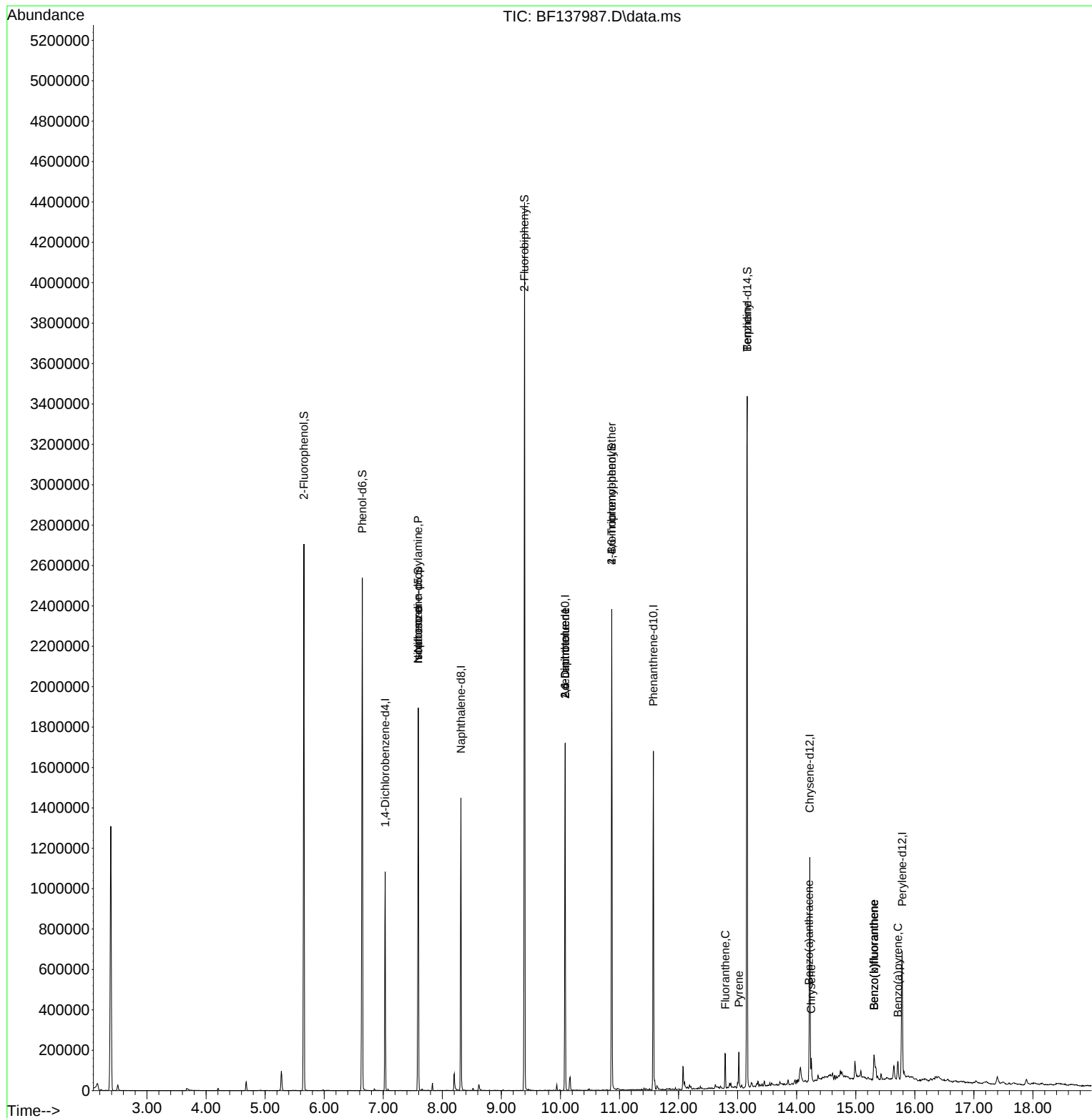
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.034	152	149814	20.000	ng	-0.01
21) Naphthalene-d8	8.316	136	597795	20.000	ng	-0.01
39) Acenaphthene-d10	10.080	164	345500	20.000	ng	0.00
64) Phenanthrene-d10	11.574	188	578388	20.000	ng	0.00
76) Chrysene-d12	14.221	240	329343	20.000	ng	0.00
86) Perylene-d12	15.786	264	318442	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.657	112	751054	85.157	ng	0.00
7) Phenol-d6	6.645	99	962167	88.562	ng	-0.01
23) Nitrobenzene-d5	7.592	82	581051	57.202	ng	-0.02
42) 2,4,6-Tribromophenol	10.869	330	290420	83.366	ng	-0.01
45) 2-Fluorobiphenyl	9.392	172	1264023	56.356	ng	0.00
79) Terphenyl-d14	13.163	244	1235771	55.300	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.592	70	75377	12.349	ng	# 75
25) Isophorone	7.592	82	581040	32.958	ng	# 64
51) 2,6-Dinitrotoluene	10.080	165	43825	8.813	ng	# 28
57) 2,4-Dinitrotoluene	10.080	165	43825	6.817	ng	# 32
67) 4-Bromophenyl-phenylether	10.869	248	18343	2.893	ng	# 1
75) Fluoranthene	12.792	202	69054	2.387	ng	100
77) Benzidine	13.163	184	14922	3.467	ng	# 92
78) Pyrene	13.021	202	61877	2.148	ng	98
81) Benzo(a)anthracene	14.210	228	48681	2.336	ng	94
83) Chrysene	14.245	228	42274	2.121	ng	97
88) Benzo(b)fluoranthene	15.309	252	94922	5.148	ng	99
89) Benzo(k)fluoranthene	15.309	252	94922	5.240	ng	98
90) Benzo(a)pyrene	15.715	252	44429	2.822	ng	# 97

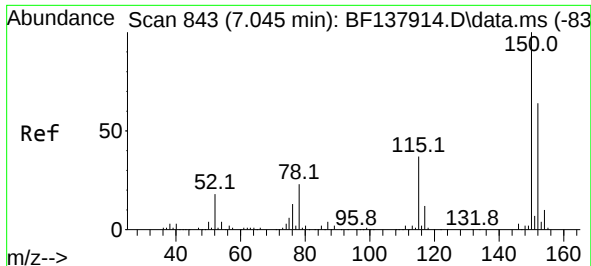
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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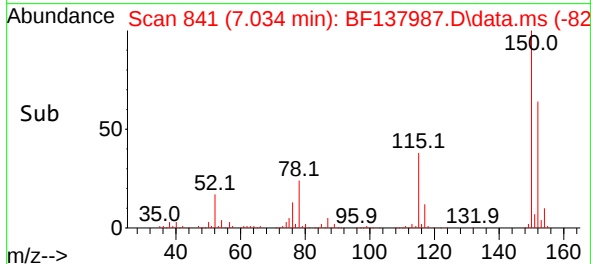
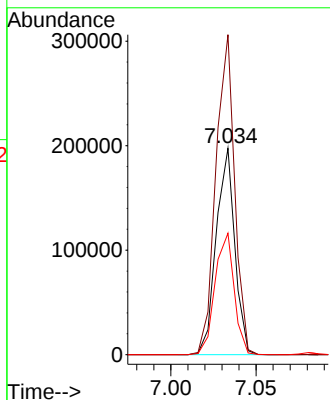
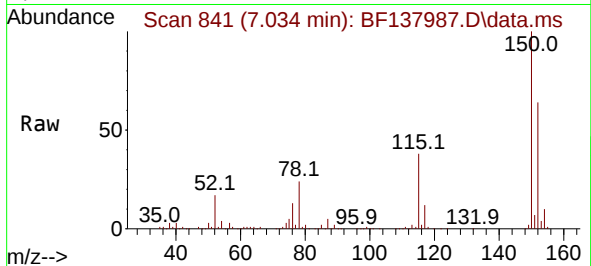




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.034 min Scan# 84
Delta R.T. -0.011 min
Lab File: BF137987.D
Acq: 21 May 2024 19:45

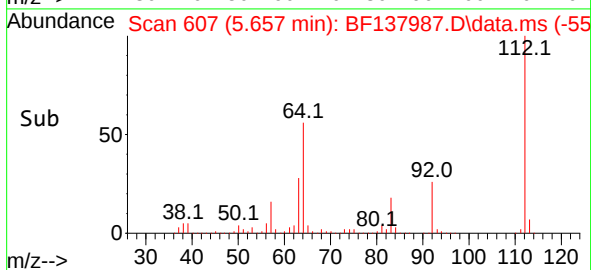
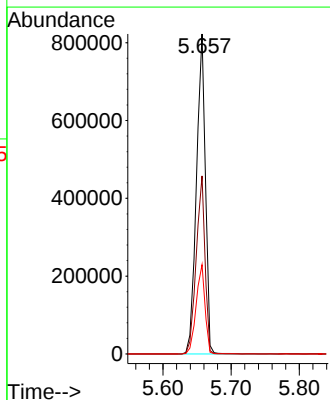
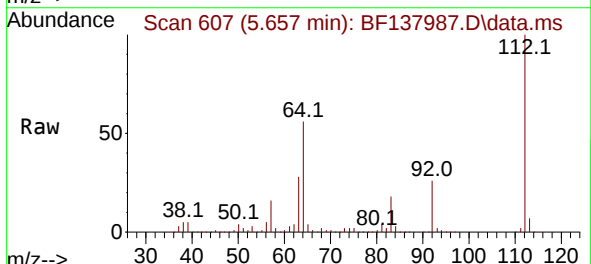
Instrument :
BNA_F
ClientSampleId :
MH-B

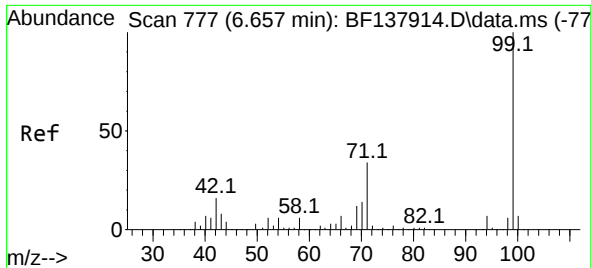
Tgt Ion:152 Resp: 149814
Ion Ratio Lower Upper
152 100
150 155.1 125.7 188.5
115 58.8 47.0 70.6



#5
2-Fluorophenol
Concen: 85.157 ng
RT: 5.657 min Scan# 607
Delta R.T. -0.006 min
Lab File: BF137987.D
Acq: 21 May 2024 19:45

Tgt Ion:112 Resp: 751054
Ion Ratio Lower Upper
112 100
64 55.7 42.4 63.6
63 27.9 21.4 32.2

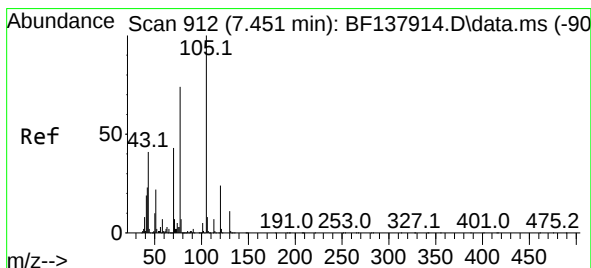
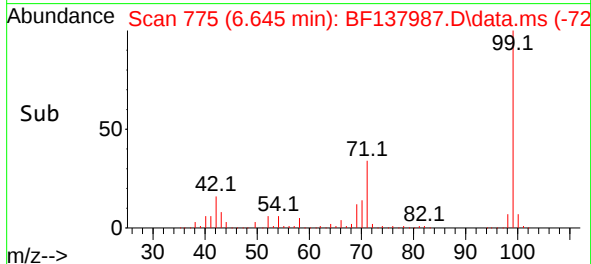
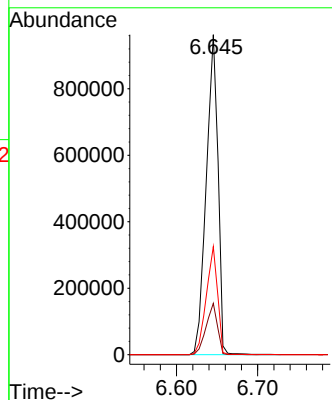
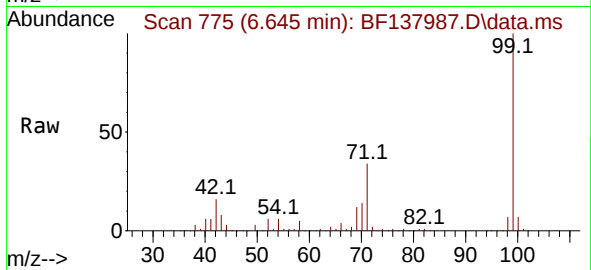




#7
Phenol-d6
Concen: 88.562 ng
RT: 6.645 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF137987.D
Acq: 21 May 2024 19:45

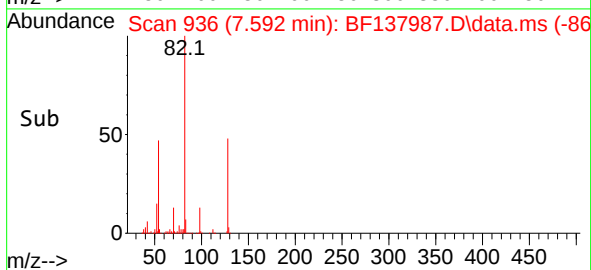
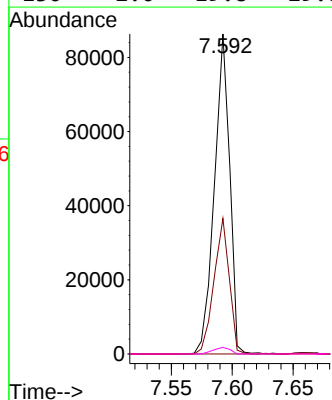
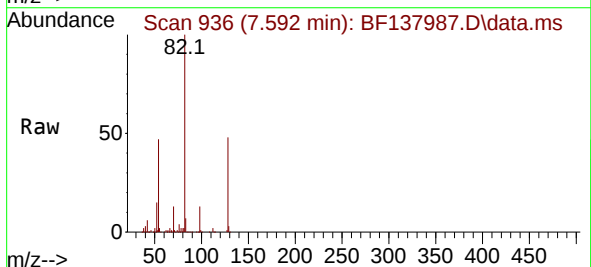
Instrument :
BNA_F
ClientSampleId :
MH-B

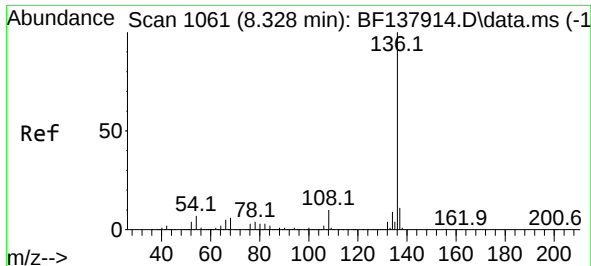
Tgt Ion: 99 Resp: 962167
Ion Ratio Lower Upper
99 100
42 16.1 12.6 18.8
71 33.8 27.1 40.7



#19
n-Nitroso-di-n-propylamine
Concen: 12.349 ng
RT: 7.592 min Scan# 936
Delta R.T. 0.141 min
Lab File: BF137987.D
Acq: 21 May 2024 19:45

Tgt Ion: 70 Resp: 75377
Ion Ratio Lower Upper
70 100
42 42.3 42.2 63.4
101 0.0 8.8 13.2#
130 2.0 19.8 29.8#



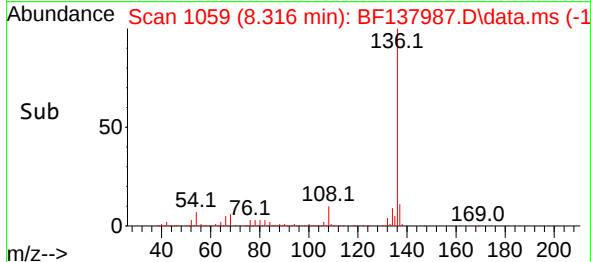
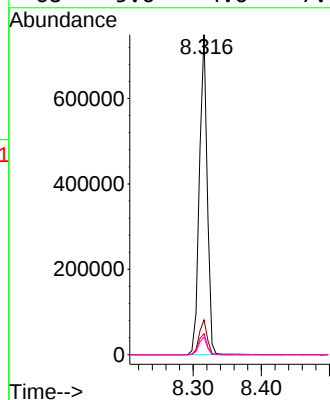
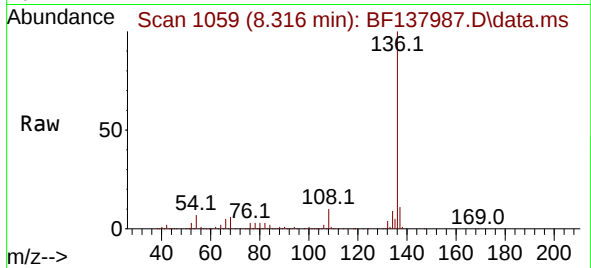


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.316 min Scan# 1059
Delta R.T. -0.012 min
Lab File: BF137987.D
Acq: 21 May 2024 19:45

Instrument :
BNA_F
ClientSampleId :
MH-B

Tgt Ion:136 Resp: 597795

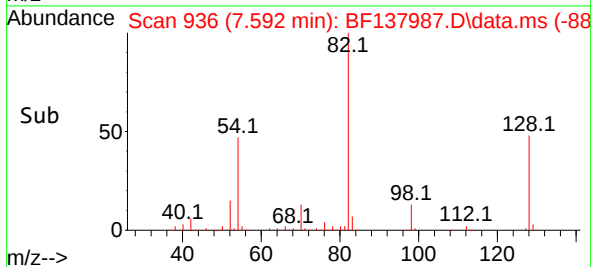
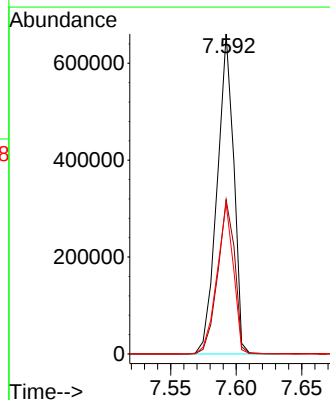
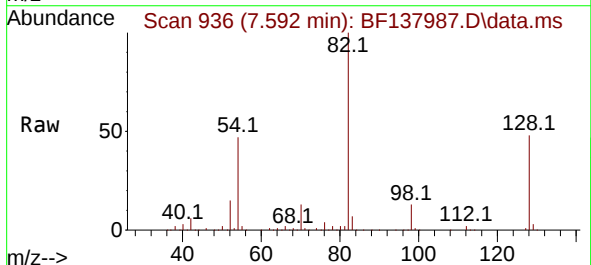
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	6.6	5.4	8.2
68	5.6	4.6	7.0



#23
Nitrobenzene-d5
Concen: 57.202 ng
RT: 7.592 min Scan# 936
Delta R.T. -0.018 min
Lab File: BF137987.D
Acq: 21 May 2024 19:45

Tgt Ion: 82 Resp: 581051

Ion	Ratio	Lower	Upper
82	100		
128	48.2	40.3	60.5
54	47.1	36.8	55.2

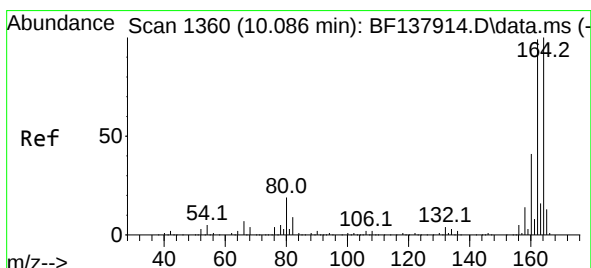
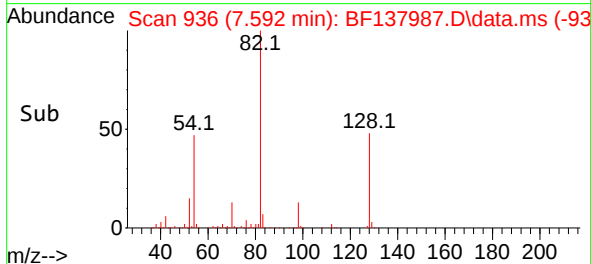
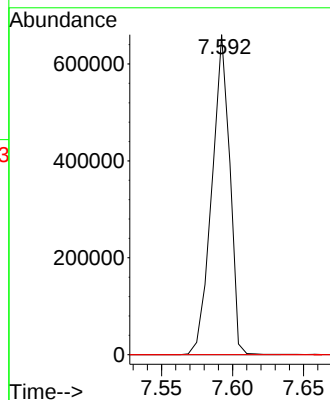
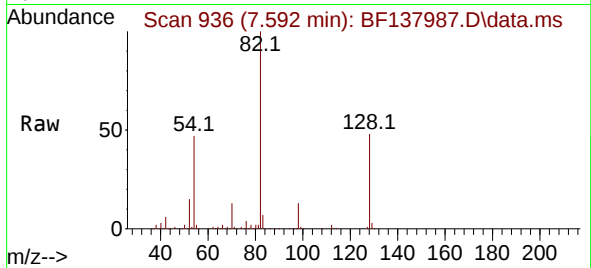




#25
Isophorone
Concen: 32.958 ng
RT: 7.592 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF137987.D
Acq: 21 May 2024 19:45

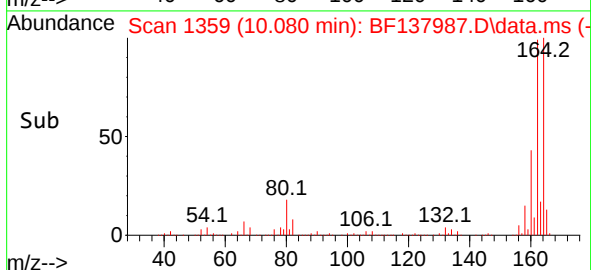
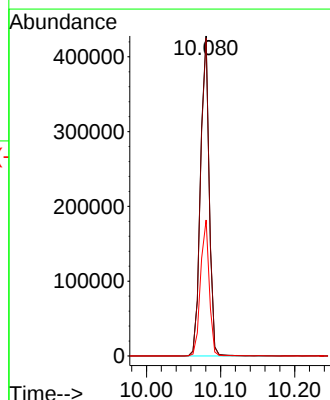
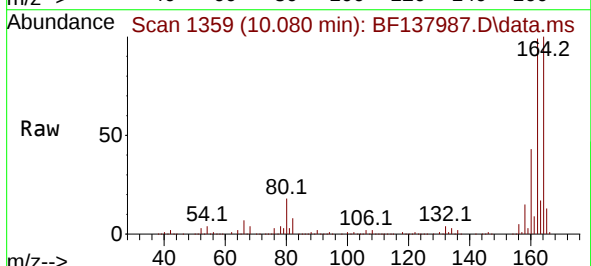
Instrument :
BNA_F
ClientSampleId :
MH-B

Tgt Ion: 82 Resp: 581040
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.0 22.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.080 min Scan# 1359
Delta R.T. -0.006 min
Lab File: BF137987.D
Acq: 21 May 2024 19:45

Tgt Ion:164 Resp: 345500
Ion Ratio Lower Upper
164 100
162 99.4 79.4 119.2
160 42.5 33.1 49.7





#42

2,4,6-Tribromophenol

Concen: 83.366 ng

RT: 10.869 min Scan# 1493

Delta R.T. -0.012 min

Lab File: BF137987.D

Acq: 21 May 2024 19:45

Instrument :

BNA_F

ClientSampleId :

MH-B

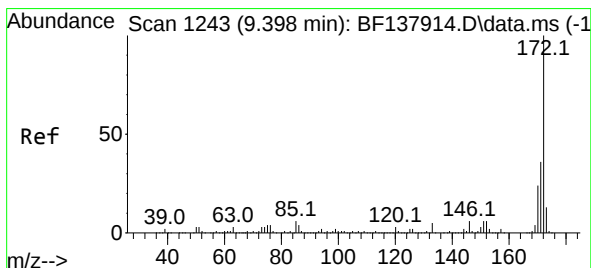
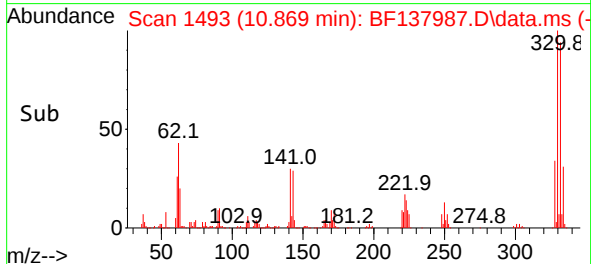
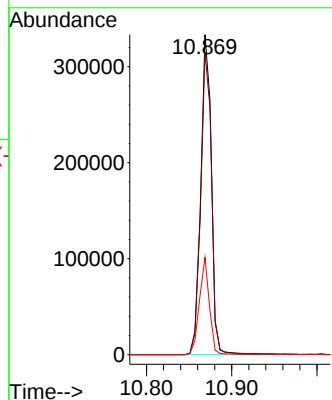
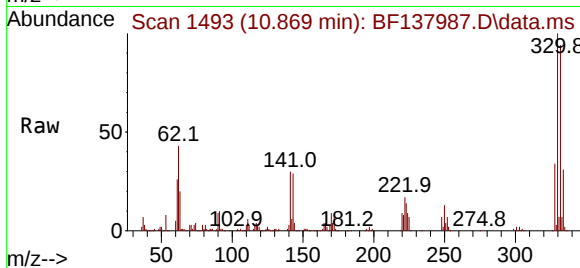
Tgt Ion:330 Resp: 290420

Ion Ratio Lower Upper

330 100

332 95.7 75.8 113.8

141 28.5 23.8 35.6



#45

2-Fluorobiphenyl

Concen: 56.356 ng

RT: 9.392 min Scan# 1242

Delta R.T. -0.006 min

Lab File: BF137987.D

Acq: 21 May 2024 19:45

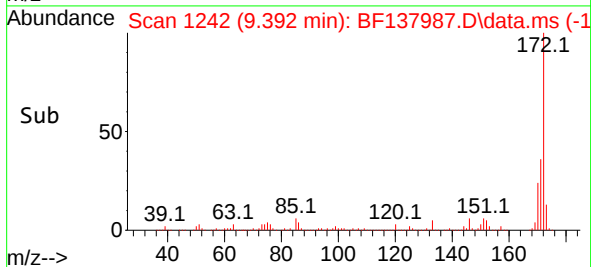
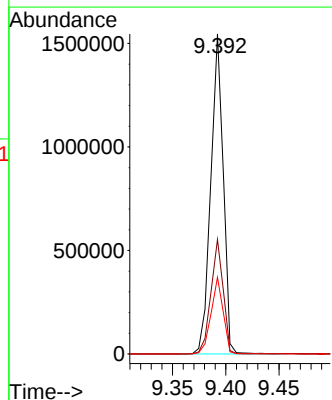
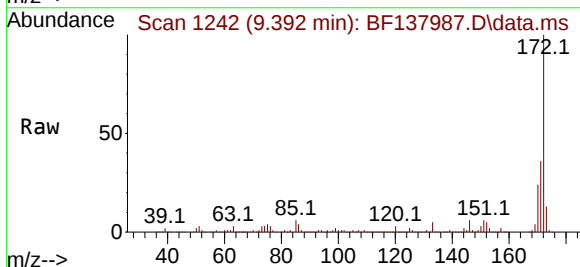
Tgt Ion:172 Resp: 1264023

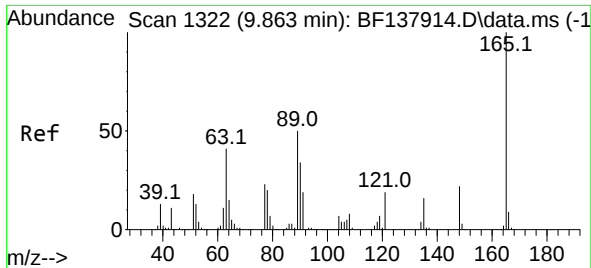
Ion Ratio Lower Upper

172 100

171 35.8 28.9 43.3

170 24.0 18.9 28.3

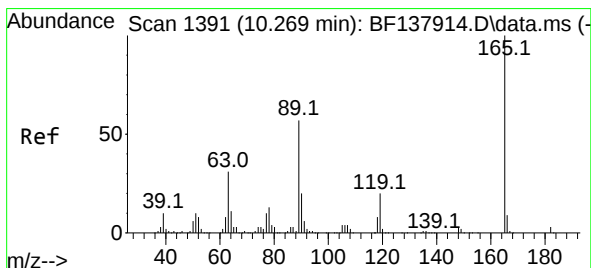
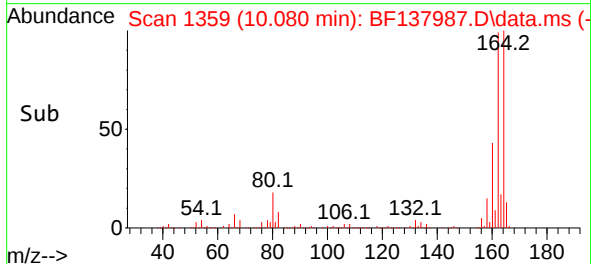
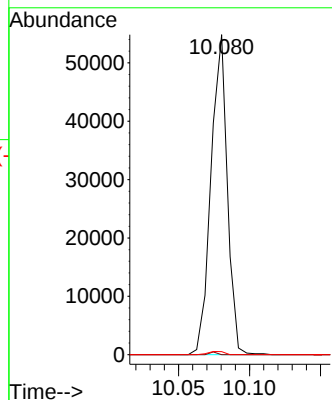
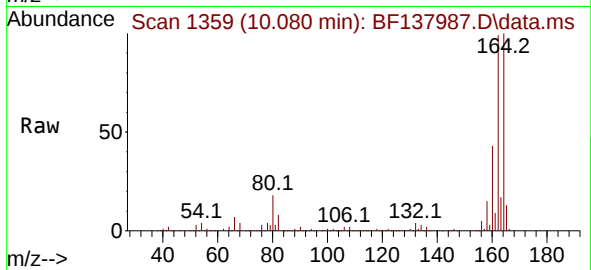




#51
2,6-Dinitrotoluene
Concen: 8.813 ng
RT: 10.080 min Scan# 1359
Delta R.T. 0.218 min
Lab File: BF137987.D
Acq: 21 May 2024 19:45

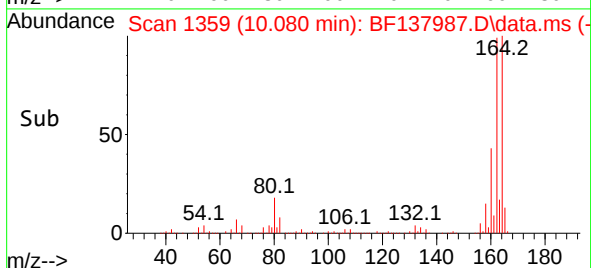
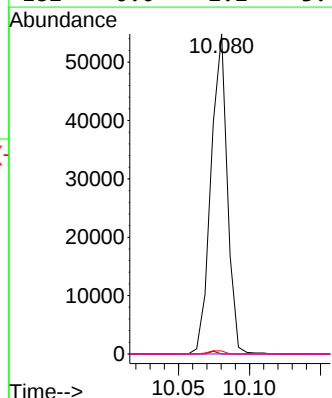
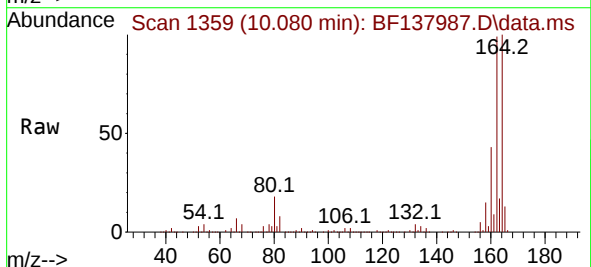
Instrument :
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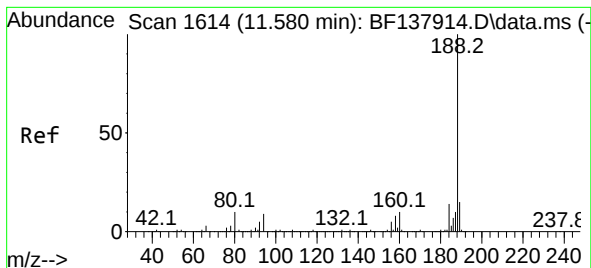
Tgt Ion:165 Resp: 43825
Ion Ratio Lower Upper
165 100
63 0.0 38.9 58.3#
89 1.0 40.4 60.6#



#57
2,4-Dinitrotoluene
Concen: 6.817 ng
RT: 10.080 min Scan# 1359
Delta R.T. -0.188 min
Lab File: BF137987.D
Acq: 21 May 2024 19:45

Tgt Ion:165 Resp: 43825
Ion Ratio Lower Upper
165 100
63 0.0 25.3 37.9#
89 1.0 45.9 68.9#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.574 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF137987.D

Acq: 21 May 2024 19:45

Instrument :

BNA_F

ClientSampleId :

MH-B

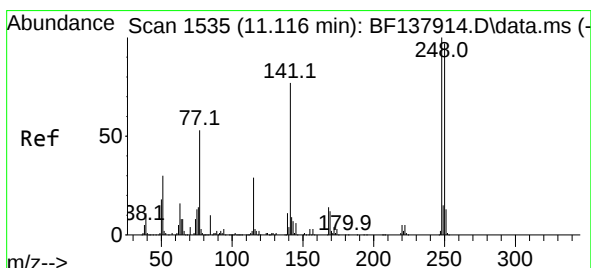
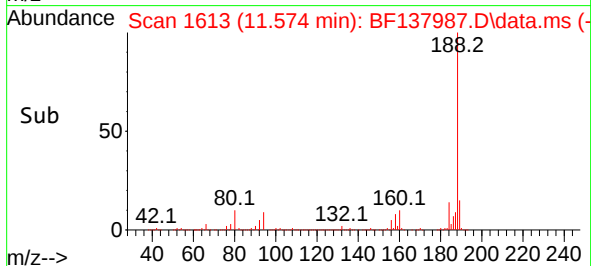
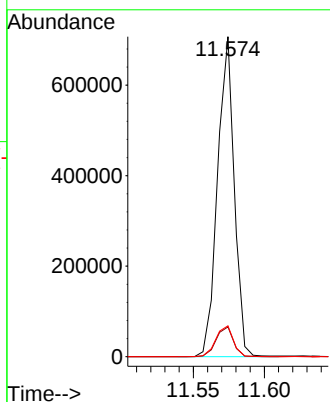
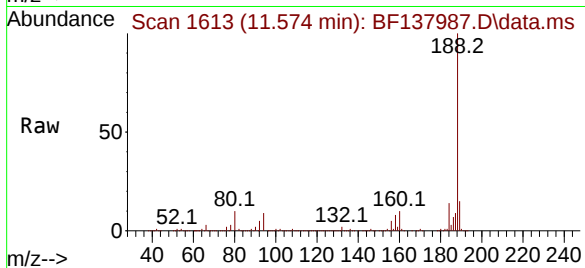
Tgt Ion:188 Resp: 578388

Ion Ratio Lower Upper

188 100

94 9.3 7.0 10.4

80 9.7 7.7 11.5



#67

4-Bromophenyl-phenylether

Concen: 2.893 ng

RT: 10.869 min Scan# 1493

Delta R.T. -0.247 min

Lab File: BF137987.D

Acq: 21 May 2024 19:45

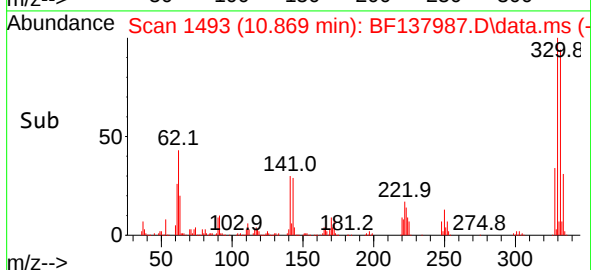
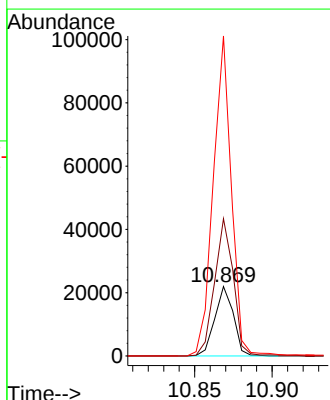
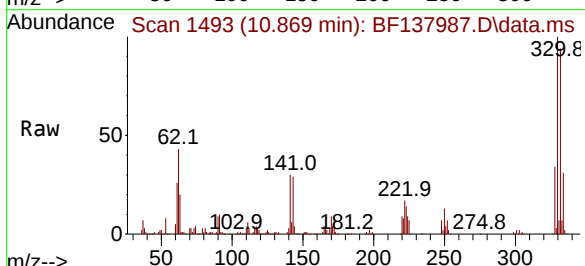
Tgt Ion:248 Resp: 18343

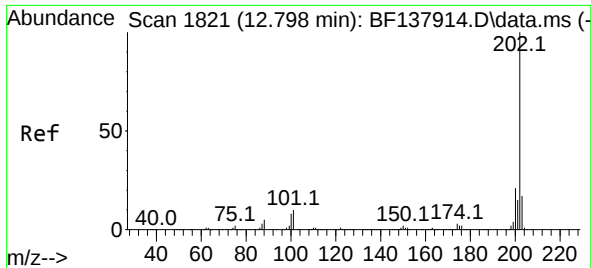
Ion Ratio Lower Upper

248 100

250 197.9 77.6 116.4#

141 461.1 61.4 92.2#

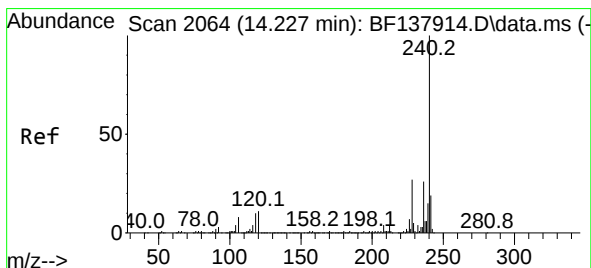
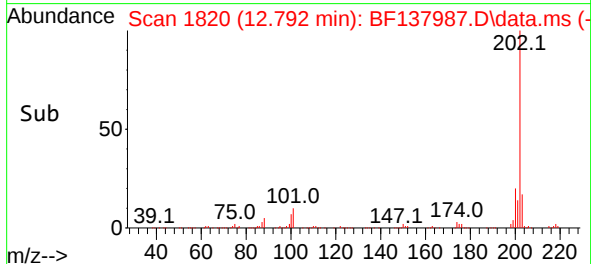
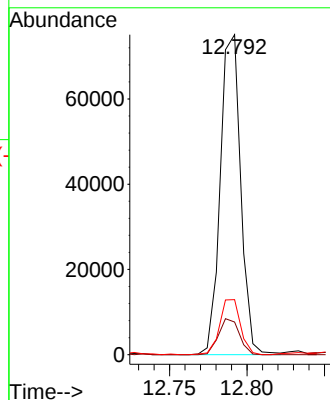
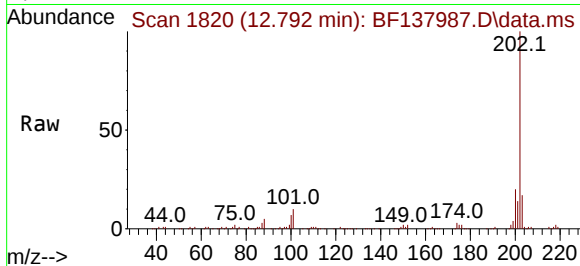




#75
Fluoranthene
Concen: 2.387 ng
RT: 12.792 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF137987.D
Acq: 21 May 2024 19:45

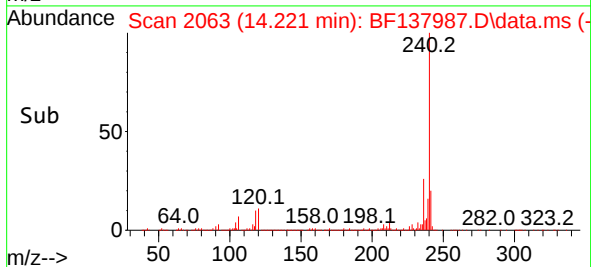
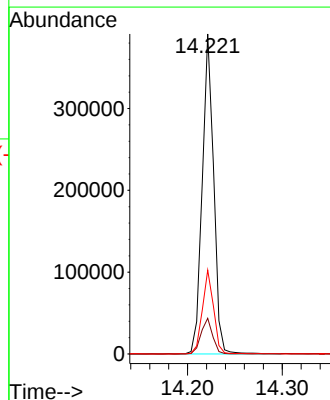
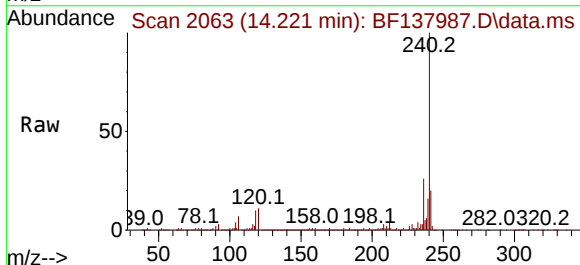
Instrument :
BNA_F
ClientSampleId :
MH-B

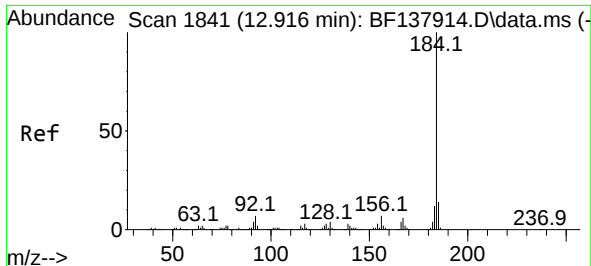
Tgt Ion:202 Resp: 69054
Ion Ratio Lower Upper
202 100
101 10.2 0.0 30.5
203 17.2 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.221 min Scan# 2063
Delta R.T. -0.006 min
Lab File: BF137987.D
Acq: 21 May 2024 19:45

Tgt Ion:240 Resp: 329343
Ion Ratio Lower Upper
240 100
120 11.2 8.9 13.3
236 26.2 21.0 31.4

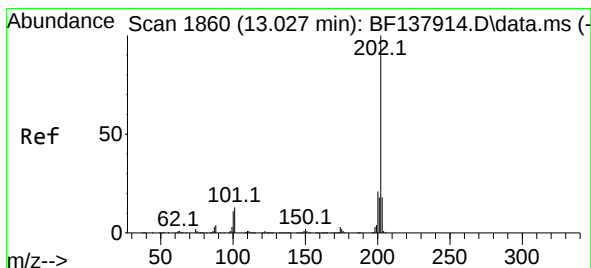
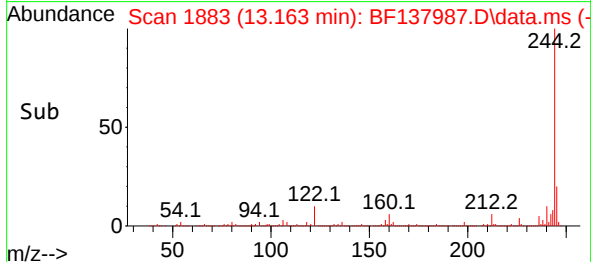
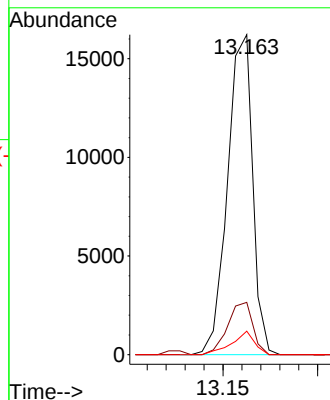
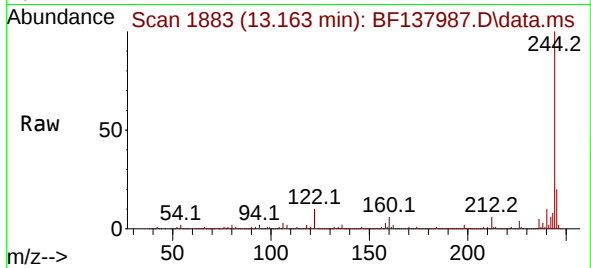




#77
Benzidine
Concen: 3.467 ng
RT: 13.163 min Scan# 1883
Delta R.T. 0.247 min
Lab File: BF137987.D
Acq: 21 May 2024 19:45

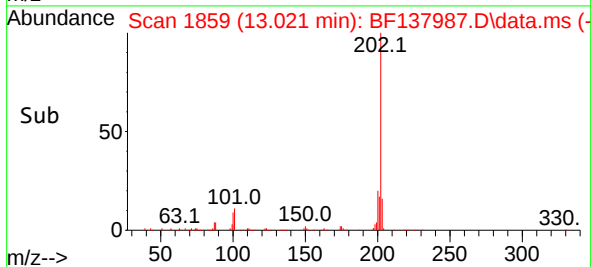
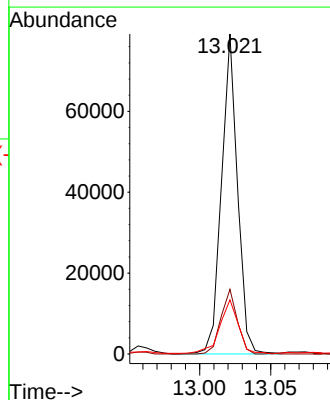
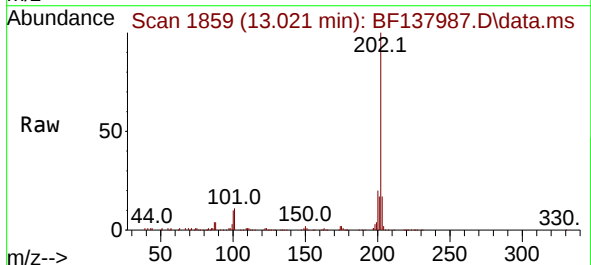
Instrument :
BNA_F
ClientSampleId :
MH-B

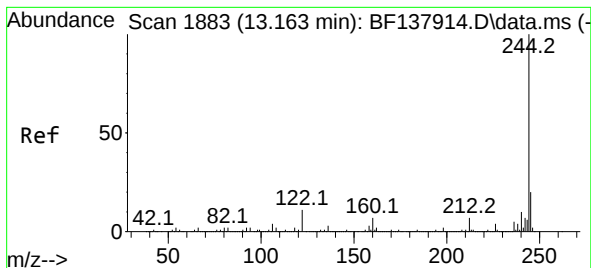
Tgt Ion:184 Resp: 14922
Ion Ratio Lower Upper
184 100
185 16.4 11.4 17.2
183 7.4 9.5 14.3#



#78
Pyrene
Concen: 2.148 ng
RT: 13.021 min Scan# 1859
Delta R.T. -0.006 min
Lab File: BF137987.D
Acq: 21 May 2024 19:45

Tgt Ion:202 Resp: 61877
Ion Ratio Lower Upper
202 100
200 20.2 17.0 25.4
203 16.9 14.1 21.1





#79

Terphenyl-d14

Concen: 55.300 ng

RT: 13.163 min Scan# 1883

Delta R.T. -0.000 min

Lab File: BF137987.D

Acq: 21 May 2024 19:45

Instrument :

BNA_F

ClientSampleId :

MH-B

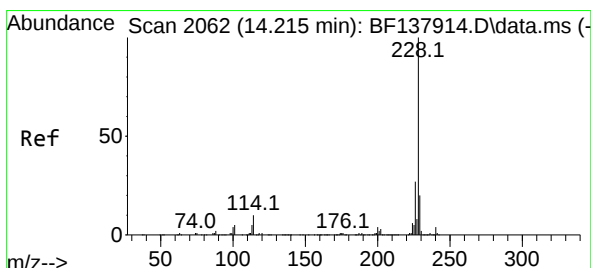
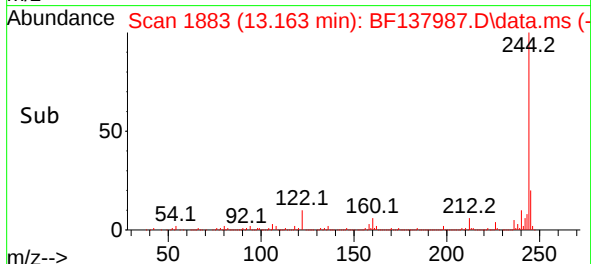
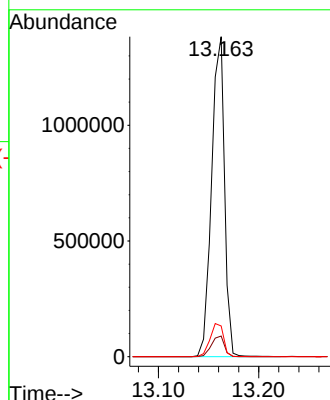
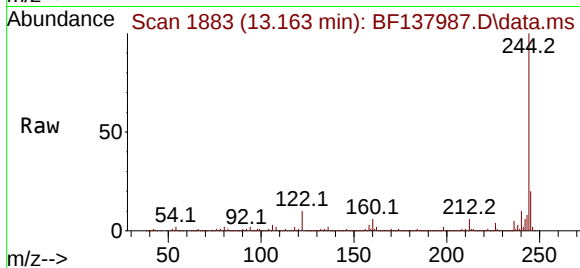
Tgt Ion:244 Resp: 1235771

Ion Ratio Lower Upper

244 100

212 6.4 5.6 8.4

122 9.6 8.8 13.2



#81

Benzo(a)anthracene

Concen: 2.336 ng

RT: 14.210 min Scan# 2061

Delta R.T. -0.006 min

Lab File: BF137987.D

Acq: 21 May 2024 19:45

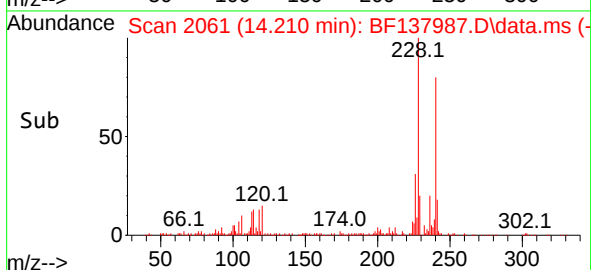
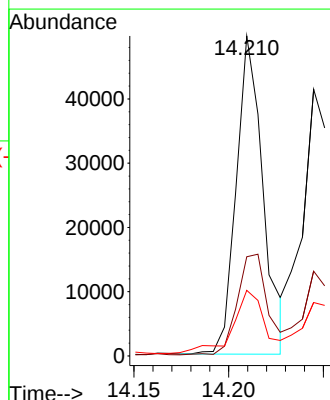
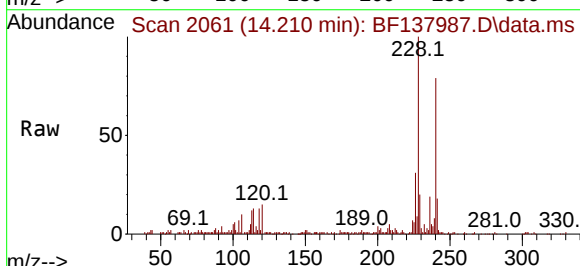
Tgt Ion:228 Resp: 48681

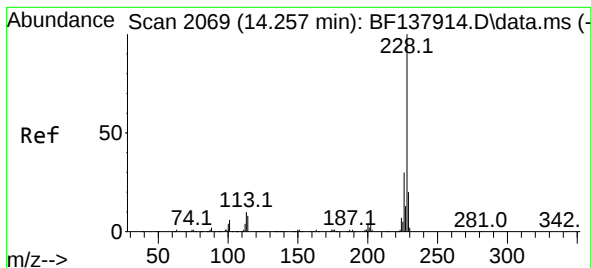
Ion Ratio Lower Upper

228 100

226 31.0 21.3 31.9

229 20.5 15.7 23.5





#83

Chrysene

Concen: 2.121 ng

RT: 14.245 min Scan# 2067

Delta R.T. -0.012 min

Lab File: BF137987.D

Acq: 21 May 2024 19:45

Instrument :

BNA_F

ClientSampleId :

MH-B

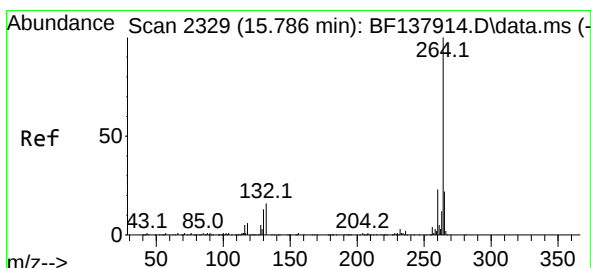
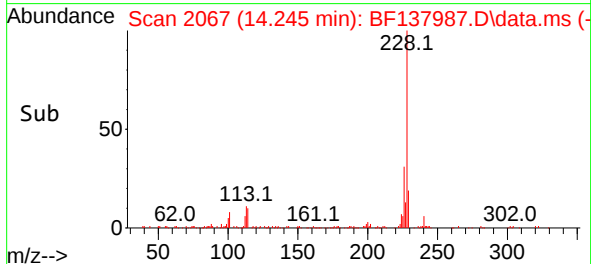
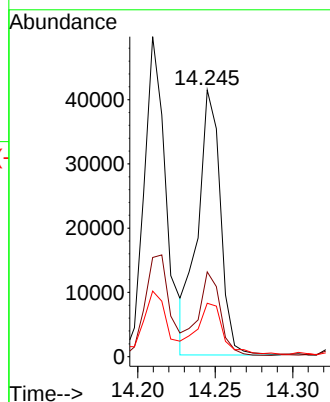
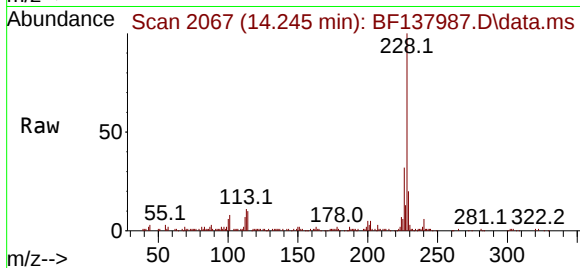
Tgt Ion:228 Resp: 42274

Ion Ratio Lower Upper

228 100

226 31.8 23.8 35.8

229 20.0 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.786 min Scan# 2329

Delta R.T. -0.000 min

Lab File: BF137987.D

Acq: 21 May 2024 19:45

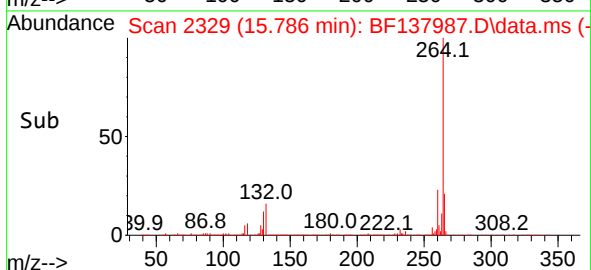
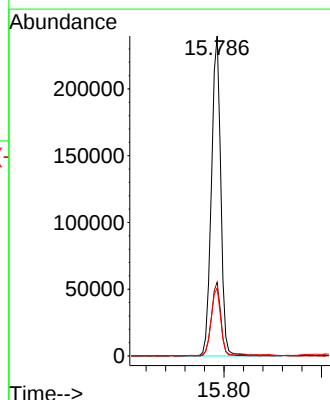
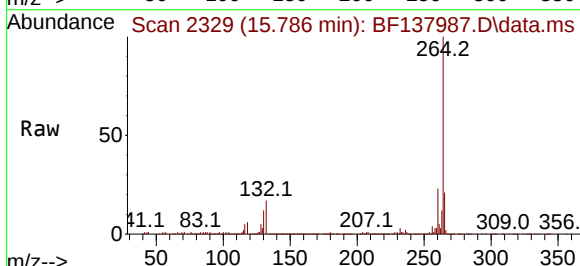
Tgt Ion:264 Resp: 318442

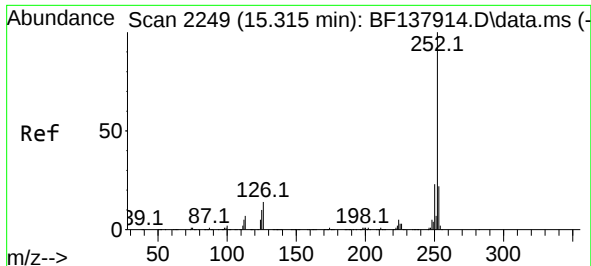
Ion Ratio Lower Upper

264 100

260 23.1 18.3 27.5

265 21.2 17.6 26.4

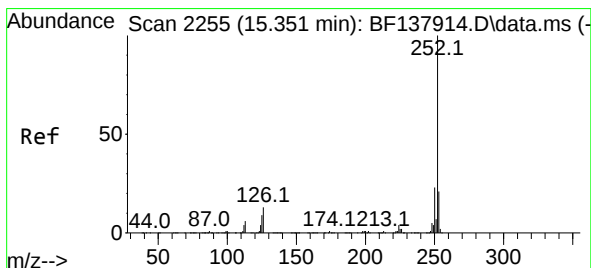
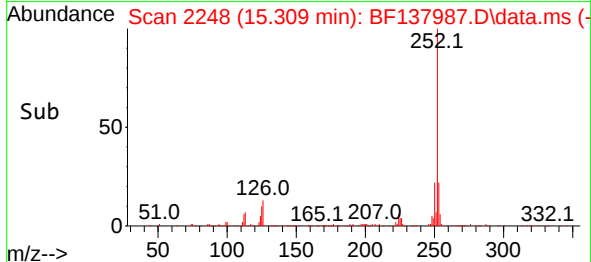
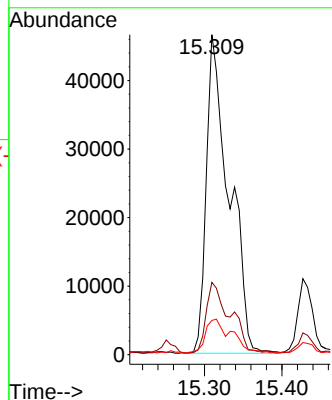
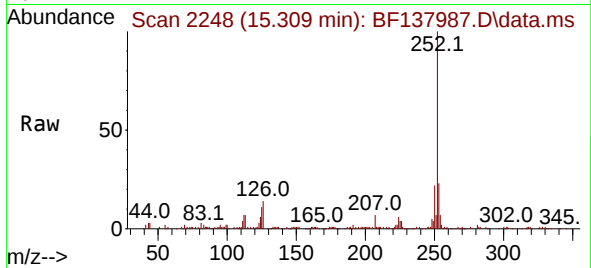




#88
Benzo(b)fluoranthene
Concen: 5.148 ng
RT: 15.309 min Scan# 2248
Delta R.T. -0.006 min
Lab File: BF137987.D
Acq: 21 May 2024 19:45

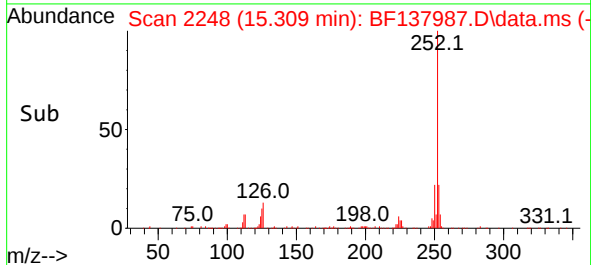
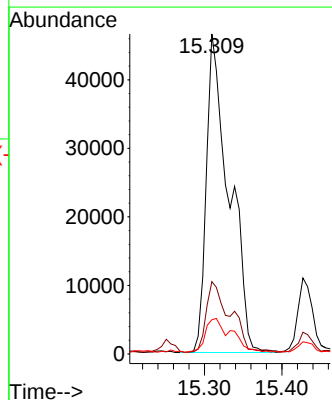
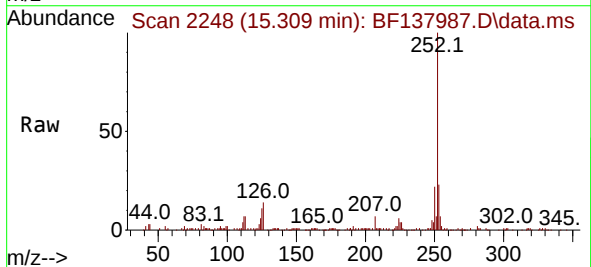
Instrument :
BNA_F
ClientSampleId :
MH-B

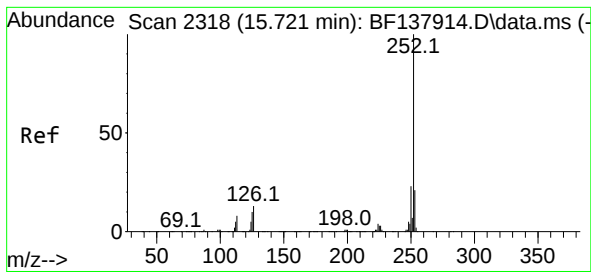
Tgt Ion:252 Resp: 94922
Ion Ratio Lower Upper
252 100
253 22.6 17.6 26.4
125 10.7 8.2 12.4



#89
Benzo(k)fluoranthene
Concen: 5.240 ng
RT: 15.309 min Scan# 2248
Delta R.T. -0.041 min
Lab File: BF137987.D
Acq: 21 May 2024 19:45

Tgt Ion:252 Resp: 94922
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.0
125 10.7 7.7 11.5





#90

Benzo(a)pyrene

Concen: 2.822 ng

RT: 15.715 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF137987.D

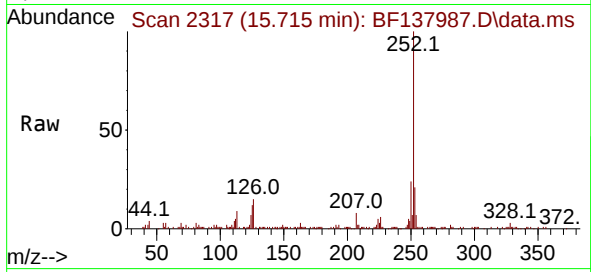
Acq: 21 May 2024 19:45

Instrument :

BNA_F

ClientSampleId :

MH-B



Tgt Ion:252 Resp: 44429

Ion Ratio Lower Upper

252 100

253 20.8 17.0 25.6

125 12.0 7.8 11.8#

