

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052024\
 Data File : BF137962.D
 Acq On : 20 May 2024 16:38
 Operator : CG\JU
 Sample : P2513-10
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-16

Quant Time: May 20 17:06:56 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)

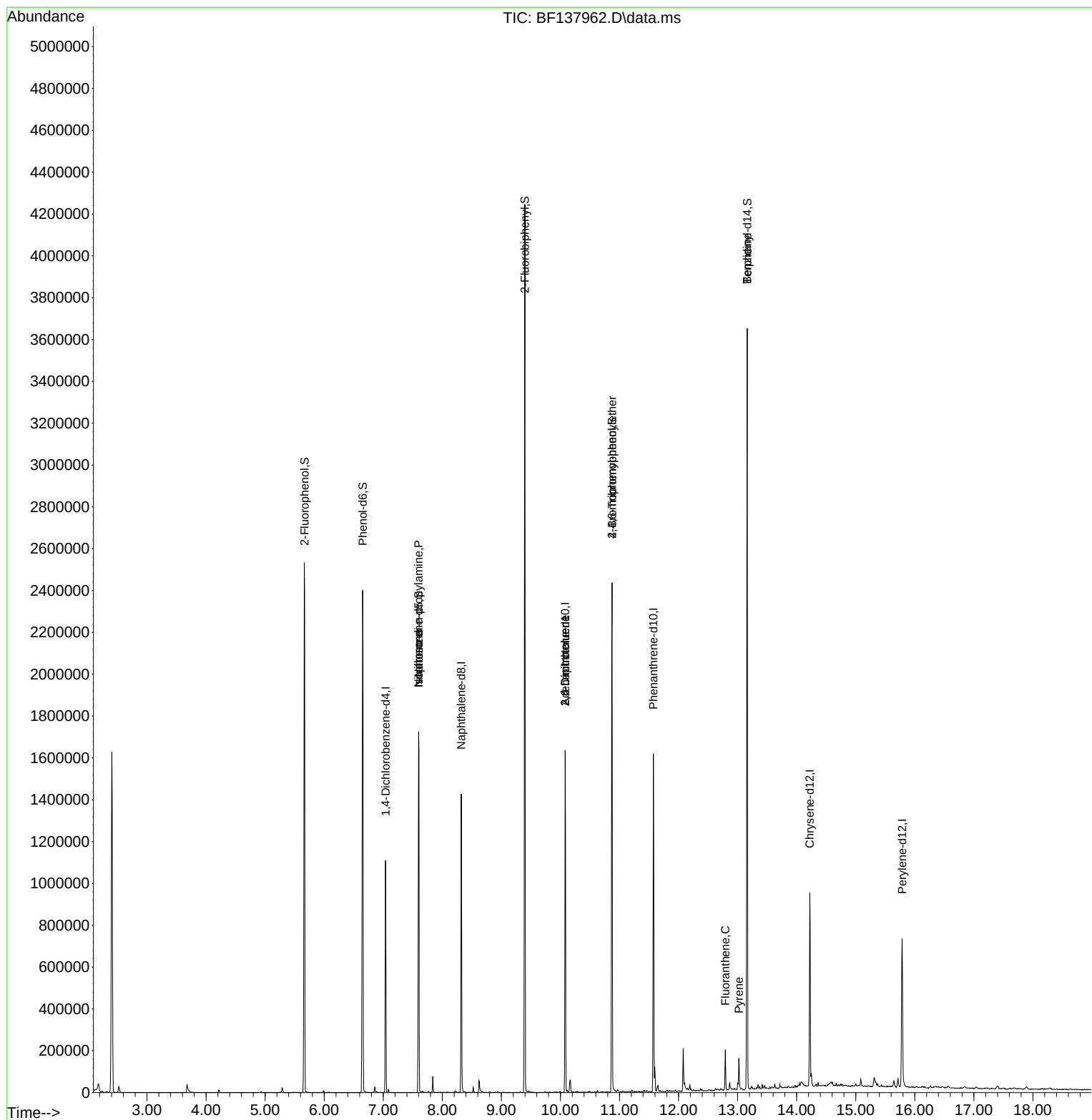
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.039	152	146451	20.000	ng	0.00
21) Naphthalene-d8	8.322	136	575353	20.000	ng	0.00
39) Acenaphthene-d10	10.080	164	327919	20.000	ng	0.00
64) Phenanthrene-d10	11.574	188	569532	20.000	ng	0.00
76) Chrysene-d12	14.221	240	306433	20.000	ng	0.00
86) Perylene-d12	15.786	264	353515	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.669	112	790598	91.699	ng	0.00
7) Phenol-d6	6.651	99	986331	92.871	ng	0.00
23) Nitrobenzene-d5	7.598	82	584555	59.792	ng	-0.01
42) 2,4,6-Tribromophenol	10.874	330	319087	96.506	ng	0.00
45) 2-Fluorobiphenyl	9.398	172	1221346	57.372	ng	0.00
79) Terphenyl-d14	13.163	244	1222831	58.812	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.598	70	76500	12.821	ng	# 76
25) Isophorone	7.598	82	584547	34.450	ng	# 64
51) 2,6-Dinitrotoluene	10.080	165	43146	9.142	ng	# 29
57) 2,4-Dinitrotoluene	10.080	165	43146	7.072	ng	# 33
67) 4-Bromophenyl-phenylether	10.874	248	20567	3.294	ng	# 1
75) Fluoranthene	12.792	202	67117	2.356	ng	99
77) Benzidine	13.163	184	15088	3.768	ng	# 90
78) Pyrene	13.021	202	57108	2.131	ng	99

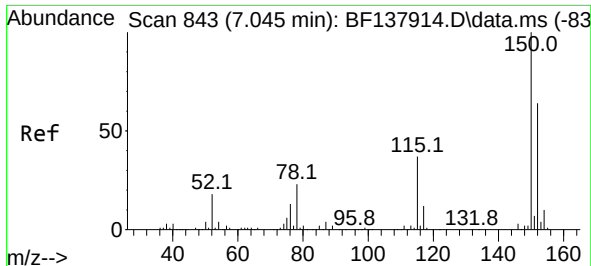
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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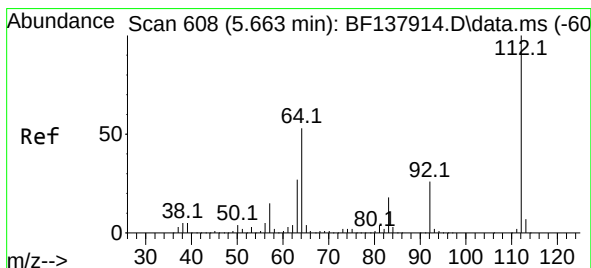
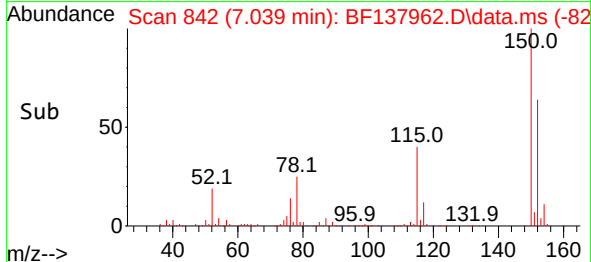
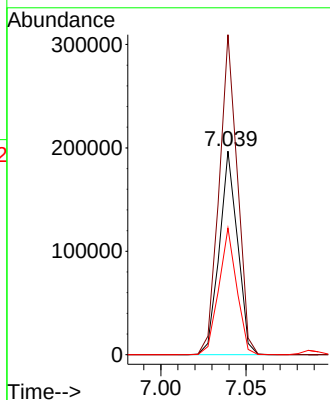
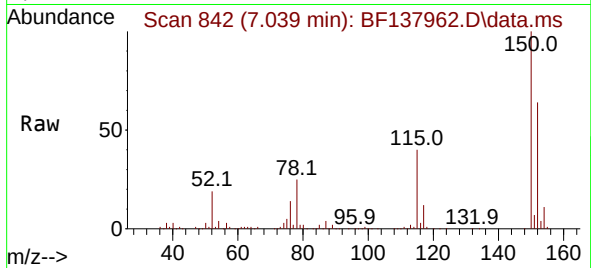




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.039 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF137962.D
Acq: 20 May 2024 16:38

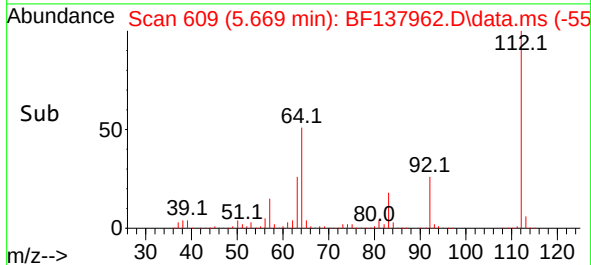
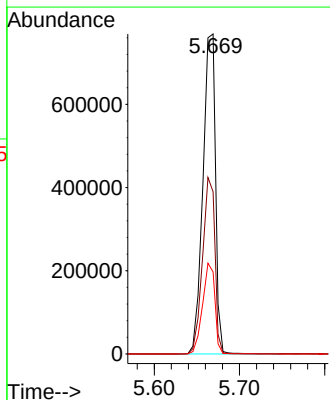
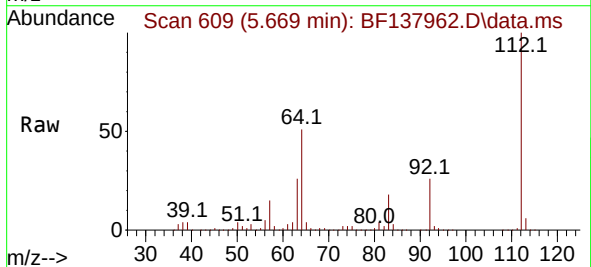
Instrument :
BNA_F
ClientSampleId :
TP-16

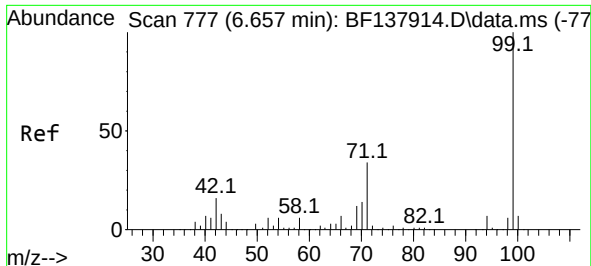
Tgt Ion:152 Resp: 146451
Ion Ratio Lower Upper
152 100
150 157.2 125.7 188.5
115 62.2 47.0 70.6



#5
2-Fluorophenol
Concen: 91.699 ng
RT: 5.669 min Scan# 609
Delta R.T. 0.006 min
Lab File: BF137962.D
Acq: 20 May 2024 16:38

Tgt Ion:112 Resp: 790598
Ion Ratio Lower Upper
112 100
64 50.7 42.4 63.6
63 25.7 21.4 32.2





#7

Phenol-d6

Concen: 92.871 ng

RT: 6.651 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF137962.D

Acq: 20 May 2024 16:38

Instrument :

BNA_F

ClientSampleId :

TP-16

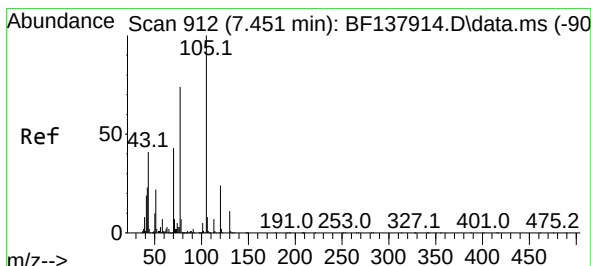
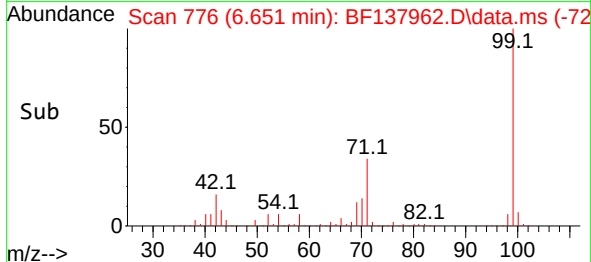
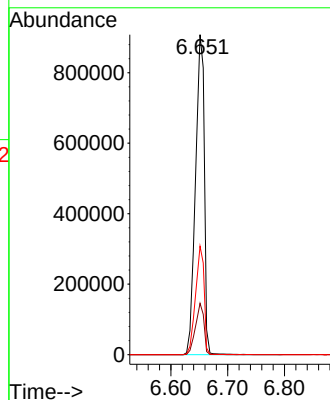
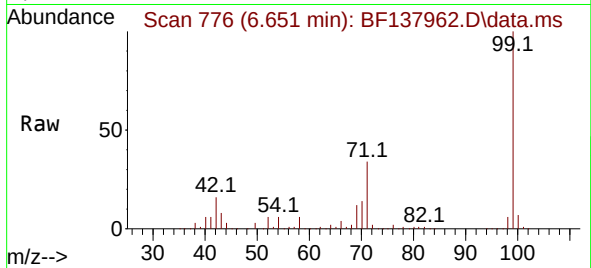
Tgt Ion: 99 Resp: 986331

Ion Ratio Lower Upper

99 100

42 16.0 12.6 18.8

71 33.9 27.1 40.7



#19

n-Nitroso-di-n-propylamine

Concen: 12.821 ng

RT: 7.598 min Scan# 937

Delta R.T. 0.147 min

Lab File: BF137962.D

Acq: 20 May 2024 16:38

Tgt Ion: 70 Resp: 76500

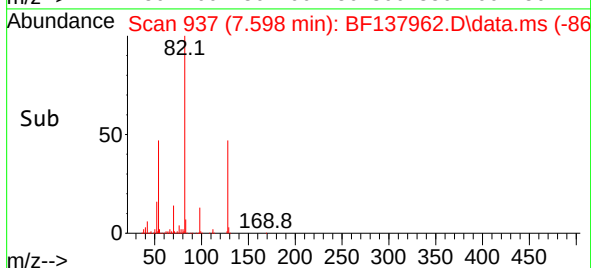
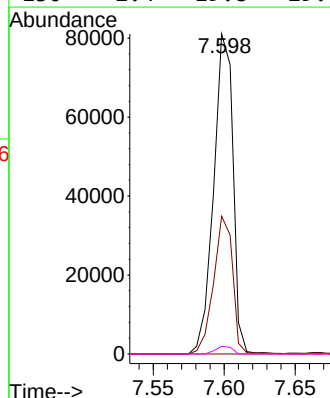
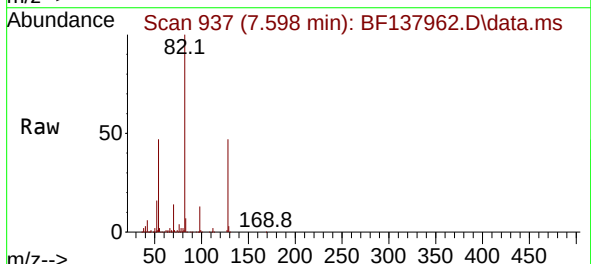
Ion Ratio Lower Upper

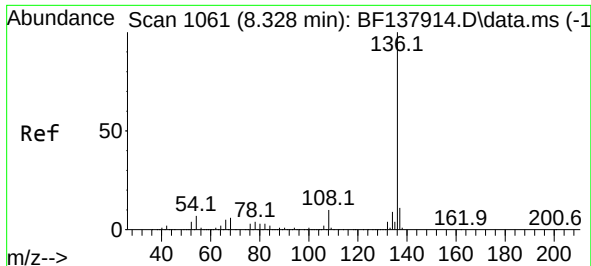
70 100

42 43.1 42.2 63.4

101 0.0 8.8 13.2#

130 2.4 19.8 29.8#



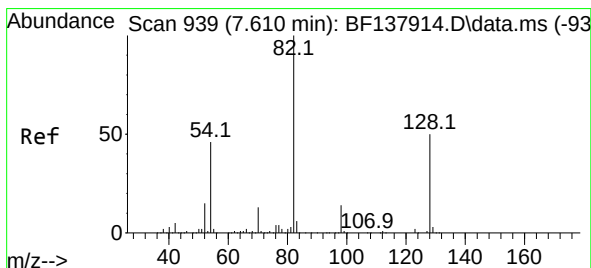
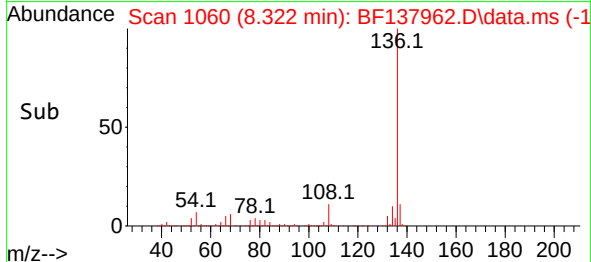
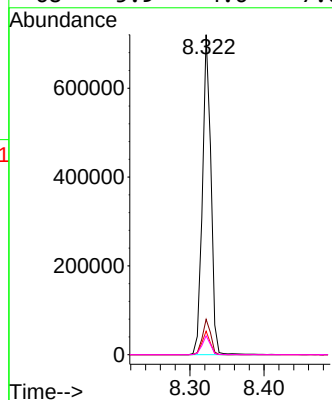
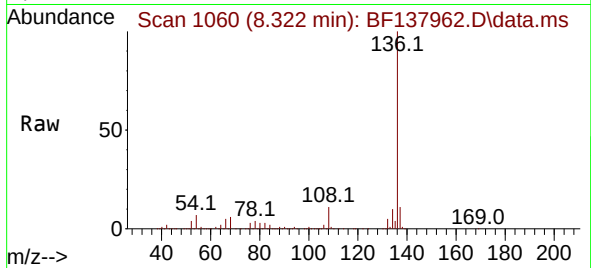


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.322 min Scan# 1061
Delta R.T. -0.006 min
Lab File: BF137962.D
Acq: 20 May 2024 16:38

Instrument :
BNA_F
ClientSampleId :
TP-16

Tgt Ion:136 Resp: 575353

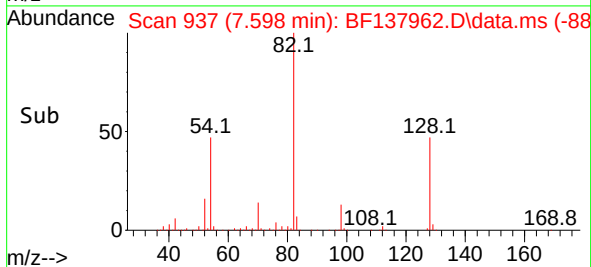
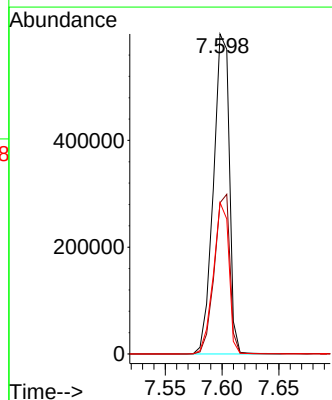
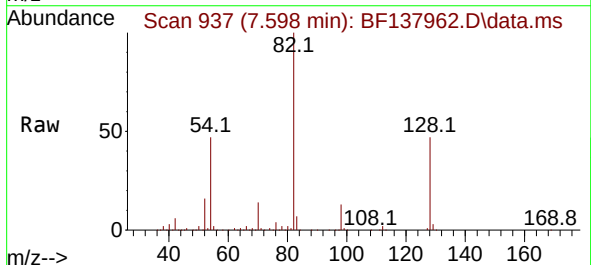
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	7.4	5.4	8.2
68	5.9	4.6	7.0

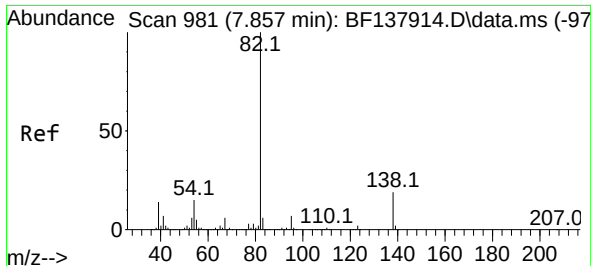


#23
Nitrobenzene-d5
Concen: 59.792 ng
RT: 7.598 min Scan# 937
Delta R.T. -0.012 min
Lab File: BF137962.D
Acq: 20 May 2024 16:38

Tgt Ion: 82 Resp: 584555

Ion	Ratio	Lower	Upper
82	100		
128	47.3	40.3	60.5
54	47.3	36.8	55.2

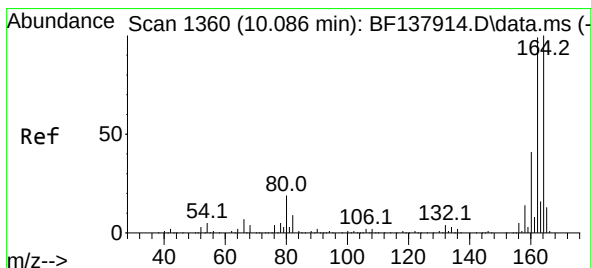
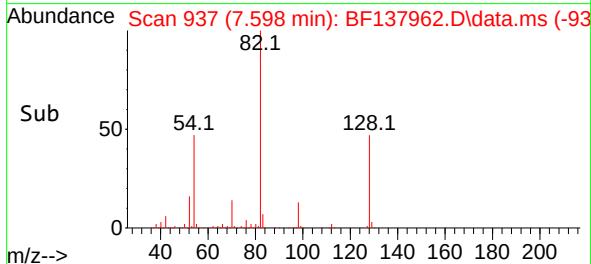
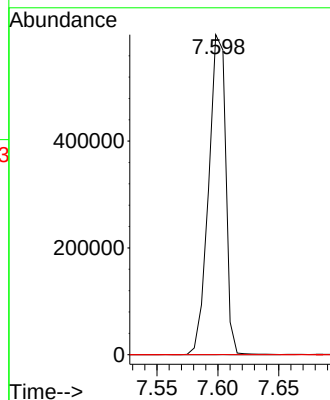
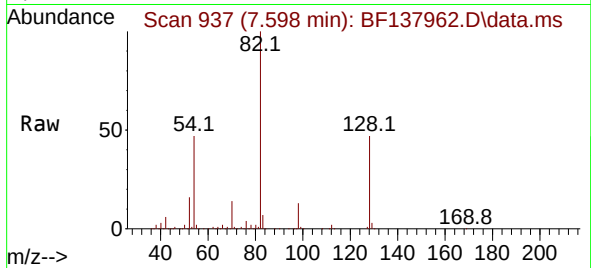




#25
Isophorone
Concen: 34.450 ng
RT: 7.598 min Scan# 91
Delta R.T. -0.259 min
Lab File: BF137962.D
Acq: 20 May 2024 16:38

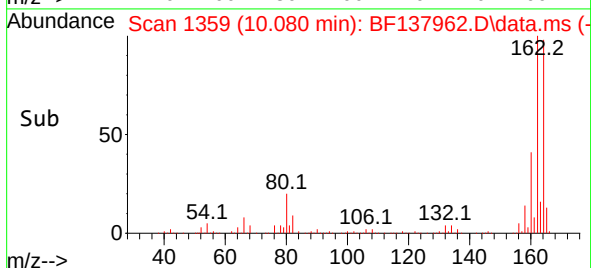
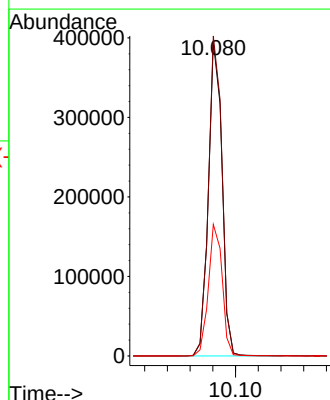
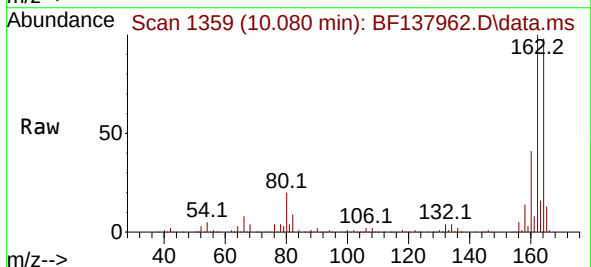
Instrument :
BNA_F
ClientSampleId :
TP-16

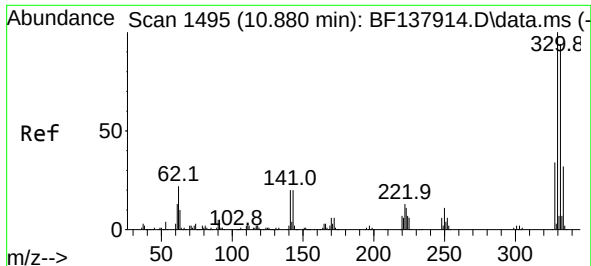
Tgt Ion: 82 Resp: 584547
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.0 22.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.080 min Scan# 1359
Delta R.T. -0.006 min
Lab File: BF137962.D
Acq: 20 May 2024 16:38

Tgt Ion:164 Resp: 327919
Ion Ratio Lower Upper
164 100
162 101.8 79.4 119.2
160 41.9 33.1 49.7





#42

2,4,6-Tribromophenol

Concen: 96.506 ng

RT: 10.874 min Scan# 1494

Delta R.T. -0.006 min

Lab File: BF137962.D

Acq: 20 May 2024 16:38

Instrument :

BNA_F

ClientSampleId :

TP-16

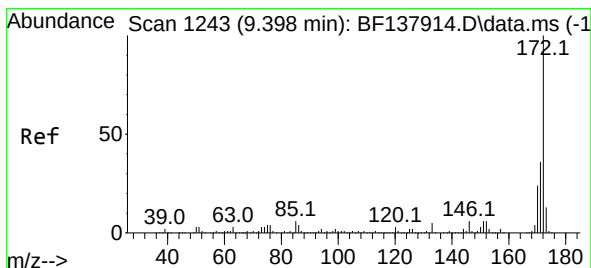
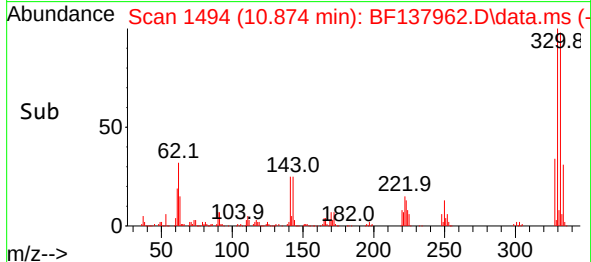
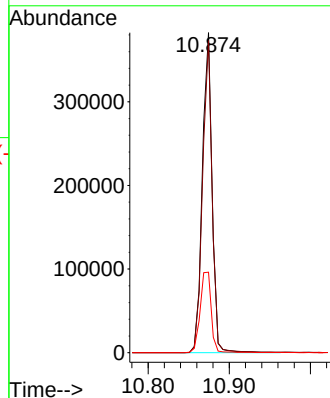
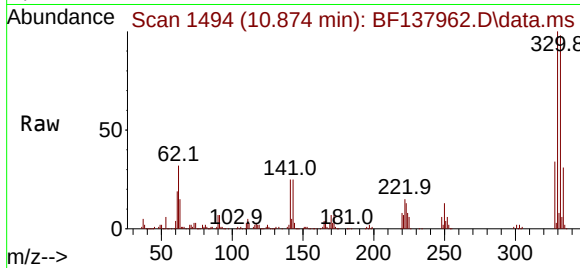
Tgt Ion:330 Resp: 319087

Ion Ratio Lower Upper

330 100

332 95.8 75.8 113.8

141 28.9 23.8 35.6



#45

2-Fluorobiphenyl

Concen: 57.372 ng

RT: 9.398 min Scan# 1243

Delta R.T. -0.000 min

Lab File: BF137962.D

Acq: 20 May 2024 16:38

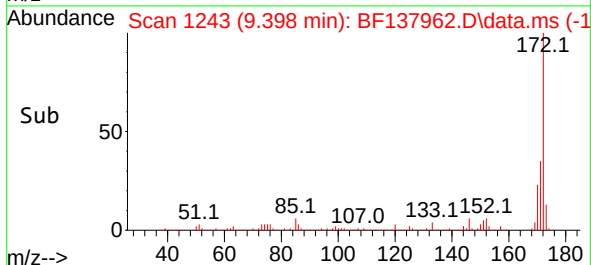
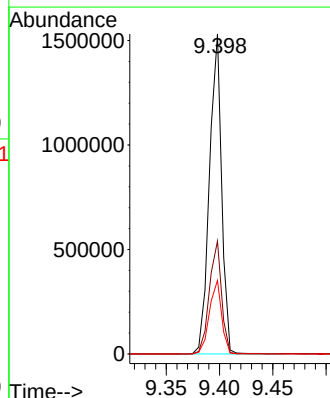
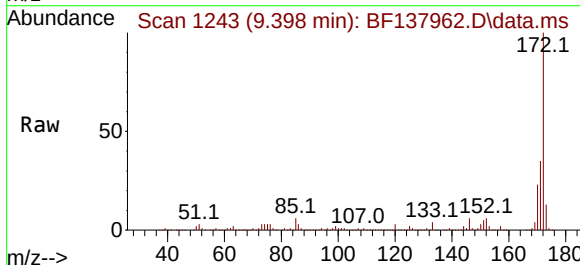
Tgt Ion:172 Resp: 1221346

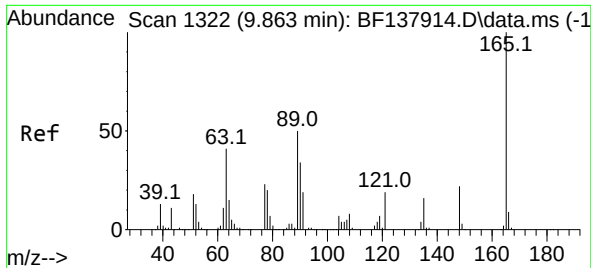
Ion Ratio Lower Upper

172 100

171 35.3 28.9 43.3

170 23.0 18.9 28.3

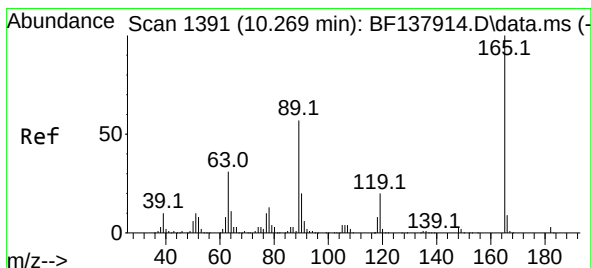
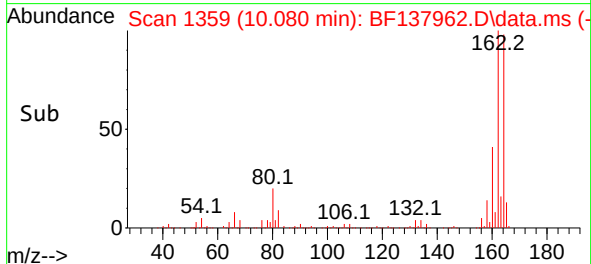
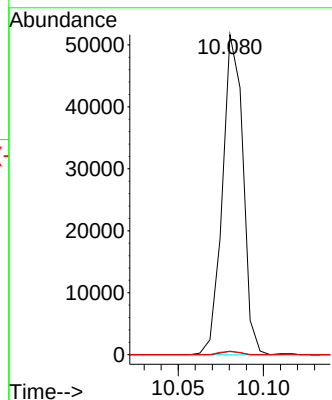
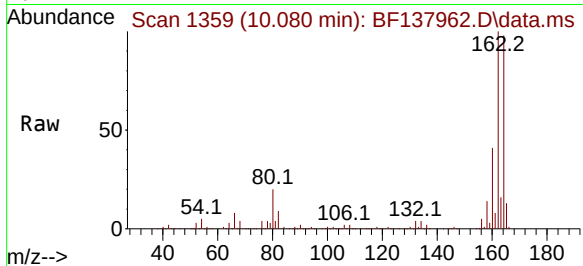




#51
2,6-Dinitrotoluene
Concen: 9.142 ng
RT: 10.080 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF137962.D
Acq: 20 May 2024 16:38

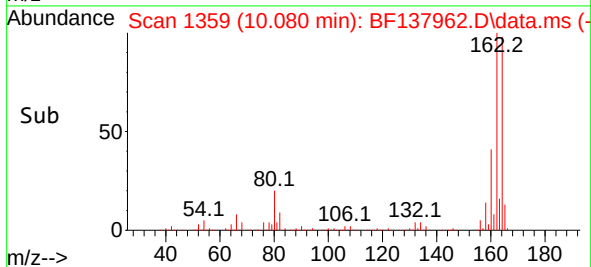
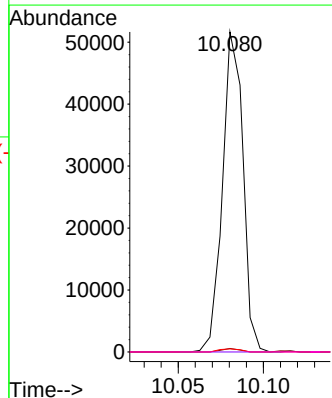
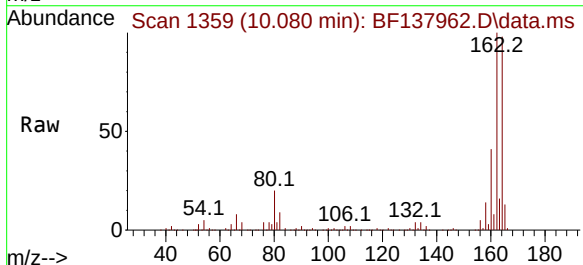
Instrument :
BNA_F
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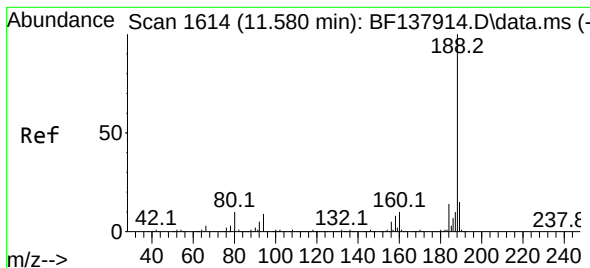
Tgt Ion:165 Resp: 43146
Ion Ratio Lower Upper
165 100
63 1.1 38.9 58.3#
89 0.9 40.4 60.6#



#57
2,4-Dinitrotoluene
Concen: 7.072 ng
RT: 10.080 min Scan# 1359
Delta R.T. -0.188 min
Lab File: BF137962.D
Acq: 20 May 2024 16:38

Tgt Ion:165 Resp: 43146
Ion Ratio Lower Upper
165 100
63 1.1 25.3 37.9#
89 0.9 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: BF137962.D

Acq: 20 May 2024 16:38

Instrument :

BNA_F

ClientSampleId :

TP-16

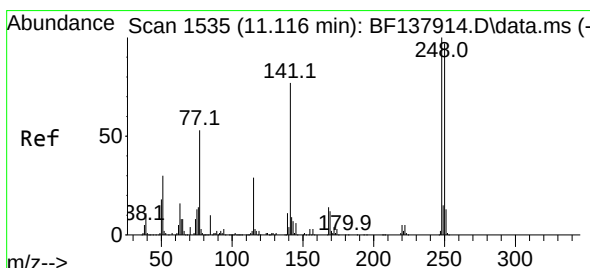
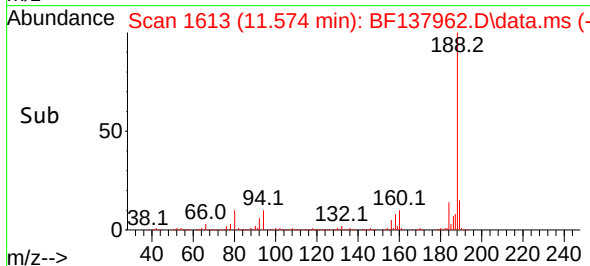
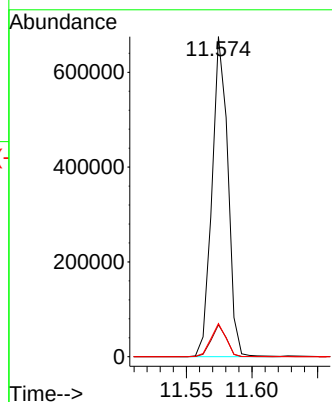
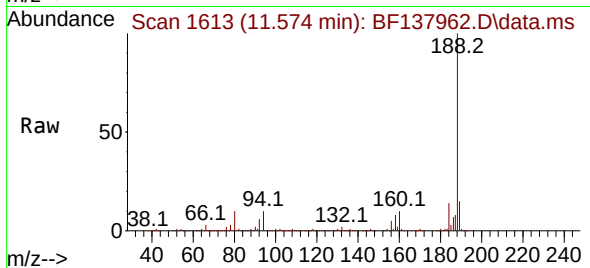
Tgt Ion:188 Resp: 569532

Ion Ratio Lower Upper

188 100

94 10.0 7.0 10.4

80 10.4 7.7 11.5



#67

4-Bromophenyl-phenylether

Concen: 3.294 ng

RT: 10.874 min Scan# 1494

Delta R.T. -0.241 min

Lab File: BF137962.D

Acq: 20 May 2024 16:38

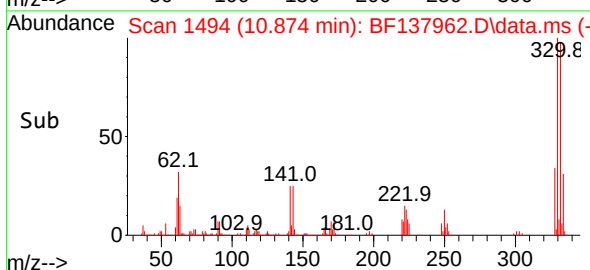
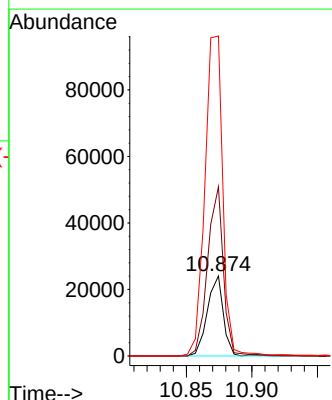
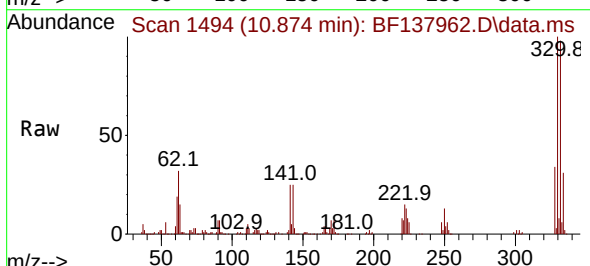
Tgt Ion:248 Resp: 20567

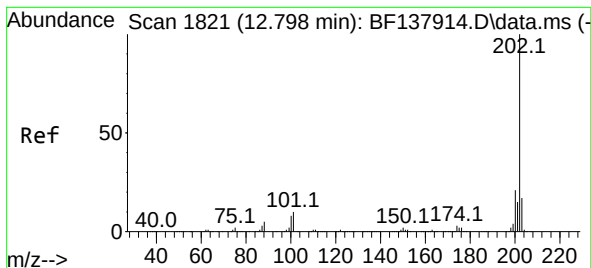
Ion Ratio Lower Upper

248 100

250 211.4 77.6 116.4#

141 399.9 61.4 92.2#





#75

Fluoranthene

Concen: 2.356 ng

RT: 12.792 min Scan# 1820

Delta R.T. -0.006 min

Lab File: BF137962.D

Acq: 20 May 2024 16:38

Instrument :

BNA_F

ClientSampleId :

TP-16

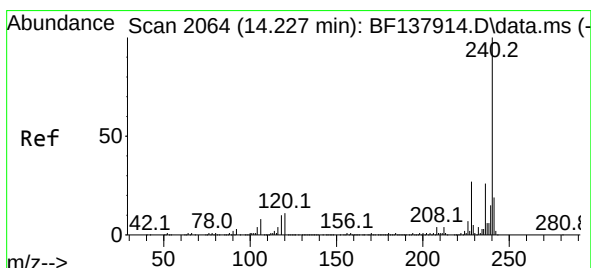
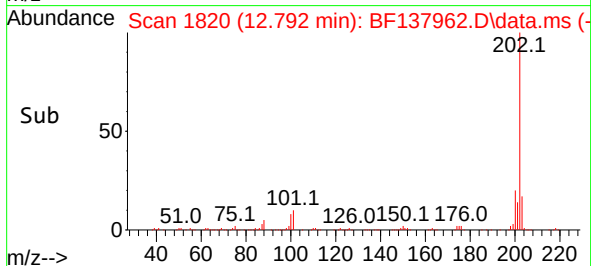
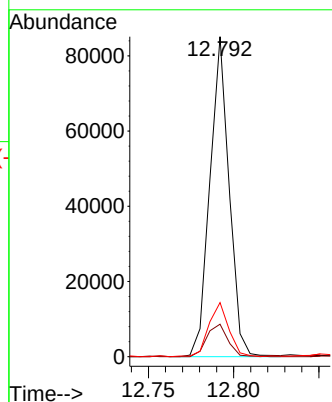
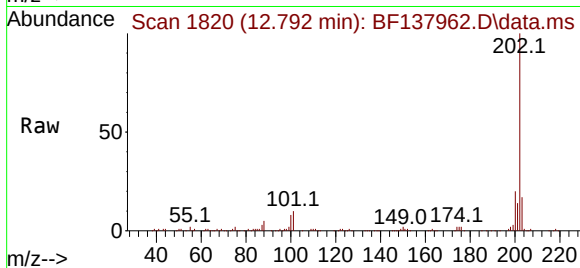
Tgt Ion:202 Resp: 67117

Ion Ratio Lower Upper

202 100

101 10.1 0.0 30.5

203 16.9 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: BF137962.D

Acq: 20 May 2024 16:38

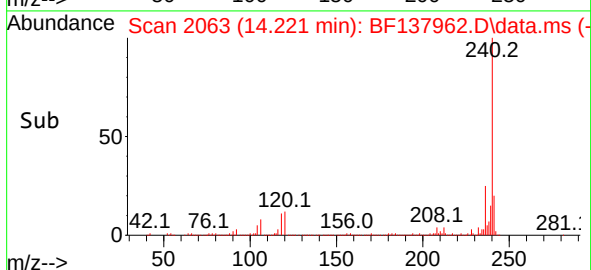
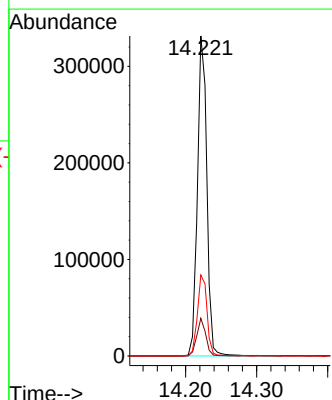
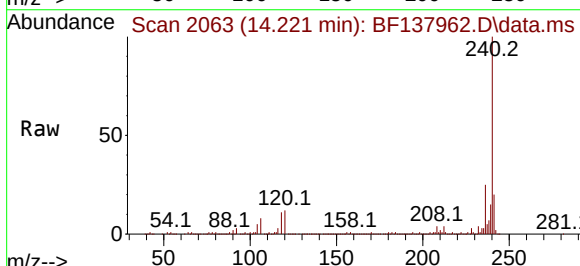
Tgt Ion:240 Resp: 306433

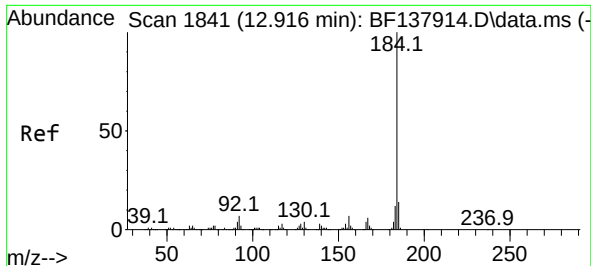
Ion Ratio Lower Upper

240 100

120 11.8 8.9 13.3

236 25.3 21.0 31.4

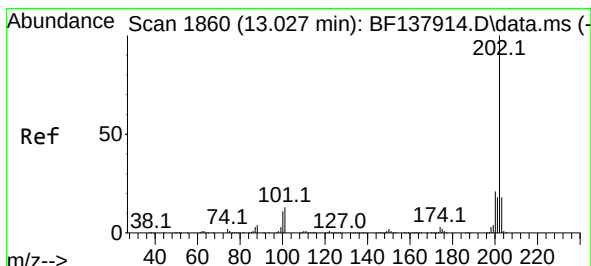
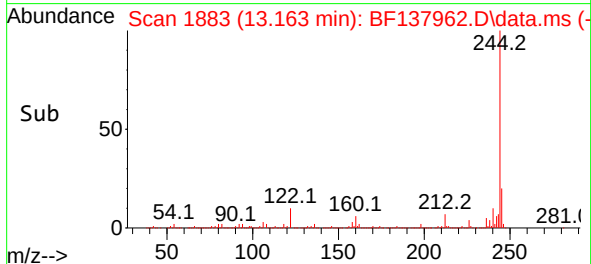
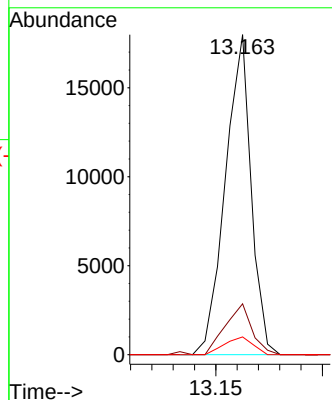
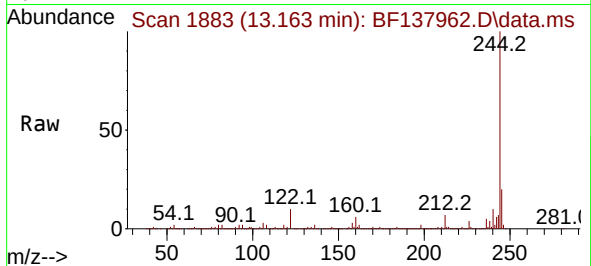




#77
Benzidine
Concen: 3.768 ng
RT: 13.163 min Scan# 1883
Delta R.T. 0.247 min
Lab File: BF137962.D
Acq: 20 May 2024 16:38

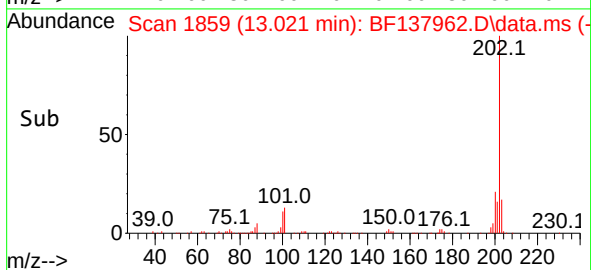
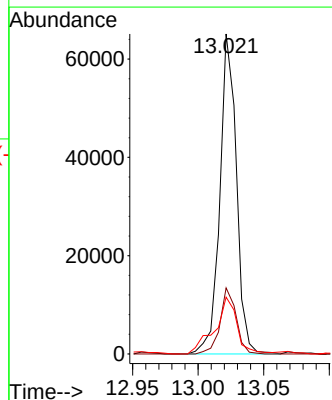
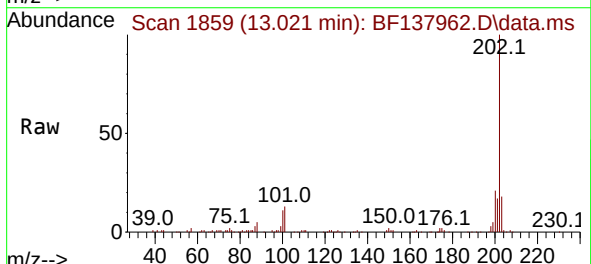
Instrument :
BNA_F
ClientSampleId :
TP-16

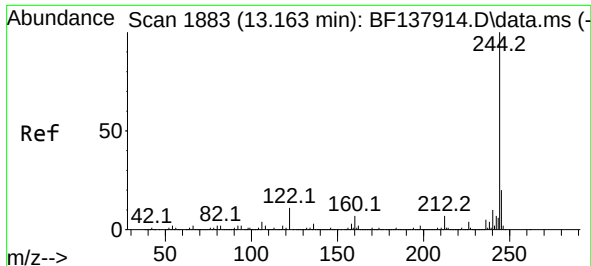
Tgt Ion:184 Resp: 15088
Ion Ratio Lower Upper
184 100
185 15.9 11.4 17.2
183 5.5 9.5 14.3#



#78
Pyrene
Concen: 2.131 ng
RT: 13.021 min Scan# 1859
Delta R.T. -0.006 min
Lab File: BF137962.D
Acq: 20 May 2024 16:38

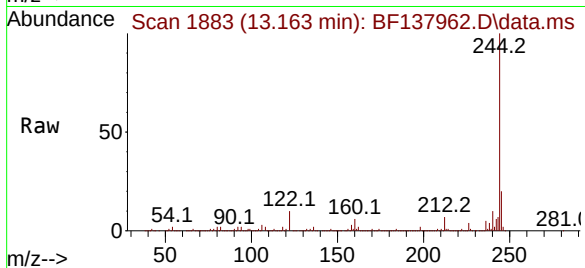
Tgt Ion:202 Resp: 57108
Ion Ratio Lower Upper
202 100
200 20.6 17.0 25.4
203 17.8 14.1 21.1



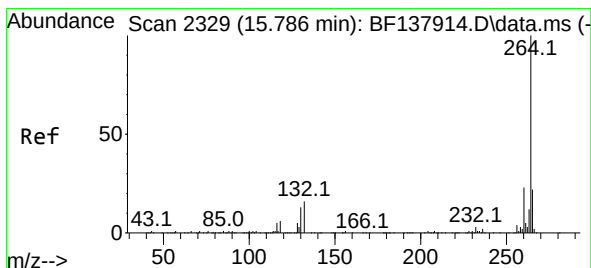
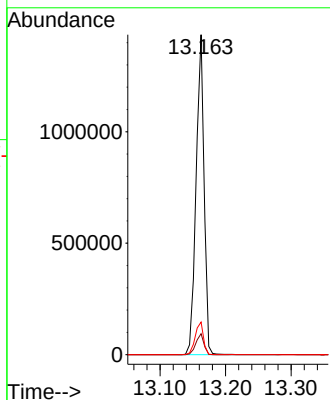
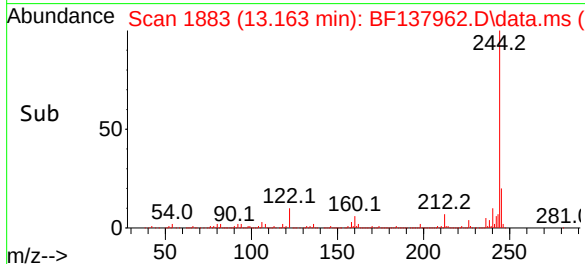


#79
 Terphenyl-d14
 Concen: 58.812 ng
 RT: 13.163 min Scan# 1883
 Delta R.T. -0.000 min
 Lab File: BF137962.D
 Acq: 20 May 2024 16:38

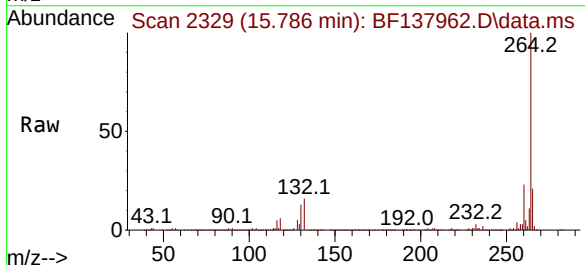
Instrument :
 BNA_F
 ClientSampleId :
 TP-16



Tgt Ion:244 Resp: 1222831
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.6 8.4
 122 10.2 8.8 13.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.786 min Scan# 2329
 Delta R.T. -0.000 min
 Lab File: BF137962.D
 Acq: 20 May 2024 16:38



Tgt Ion:264 Resp: 353515
 Ion Ratio Lower Upper
 264 100
 260 23.0 18.3 27.5
 265 21.1 17.6 26.4

