

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052124\
 Data File : BF137984.D
 Acq On : 21 May 2024 18:12
 Operator : CG\JU
 Sample : P2538-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 POLE-SLEEVE-SOIL

Quant Time: May 21 19:20:58 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)

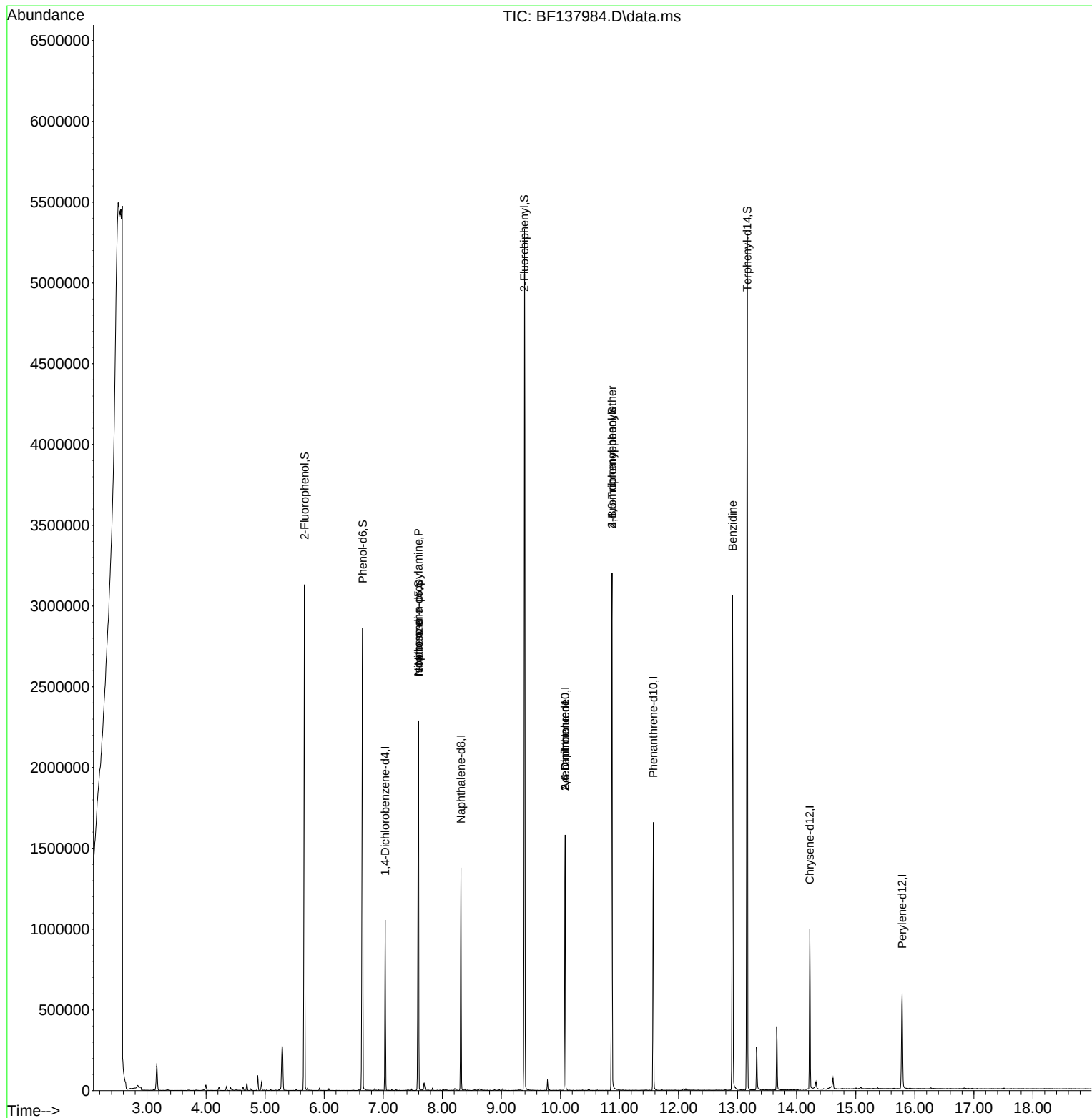
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.033	152	138775	20.000	ng	-0.01
21) Naphthalene-d8	8.316	136	548595	20.000	ng	-0.01
39) Acenaphthene-d10	10.080	164	323216	20.000	ng	0.00
64) Phenanthrene-d10	11.574	188	572391	20.000	ng	0.00
76) Chrysene-d12	14.221	240	324066	20.000	ng	0.00
86) Perylene-d12	15.786	264	298936	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.669	112	957667	117.221	ng	0.00
7) Phenol-d6	6.651	99	1096374	108.942	ng	0.00
23) Nitrobenzene-d5	7.598	82	803421	86.187	ng	-0.01
42) 2,4,6-Tribromophenol	10.874	330	451329	138.488	ng	0.00
45) 2-Fluorobiphenyl	9.392	172	1738690	82.863	ng	0.00
79) Terphenyl-d14	13.163	244	1973094	89.733	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.598	70	104086	18.409	ng	# 75
25) Isophorone	7.598	82	803414	49.659	ng	# 64
51) 2,6-Dinitrotoluene	10.080	165	42072	9.044	ng	# 29
57) 2,4-Dinitrotoluene	10.080	165	42072	6.996	ng	# 33
67) 4-Bromophenyl-phenylether	10.874	248	28382	4.523	ng	# 1
77) Benzidine	12.915	184	1193712	281.856	ng	99

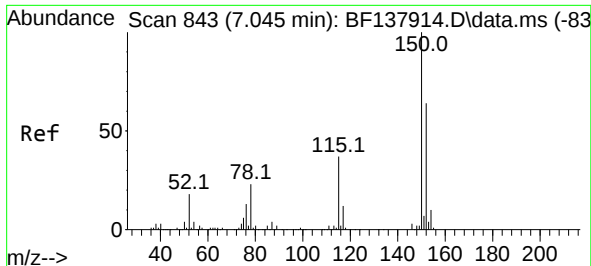
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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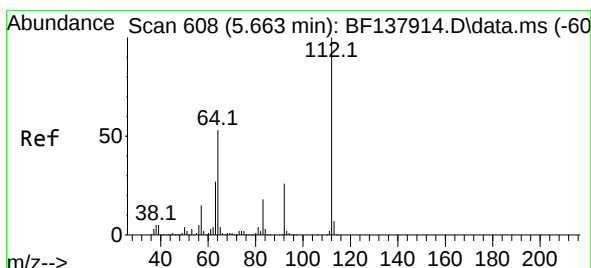
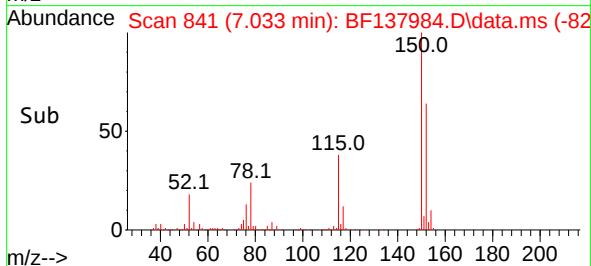
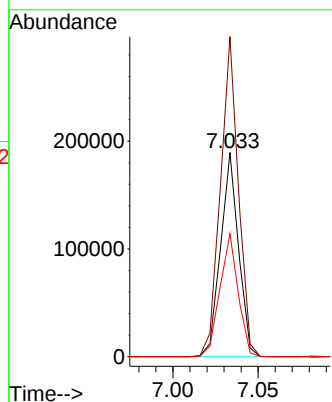
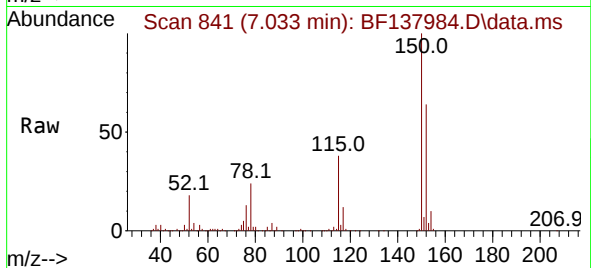




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.033 min Scan# 84
Delta R.T. -0.012 min
Lab File: BF137984.D
Acq: 21 May 2024 18:12

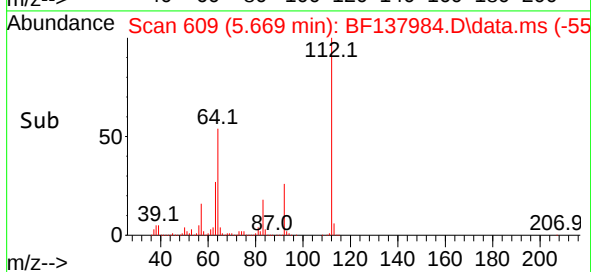
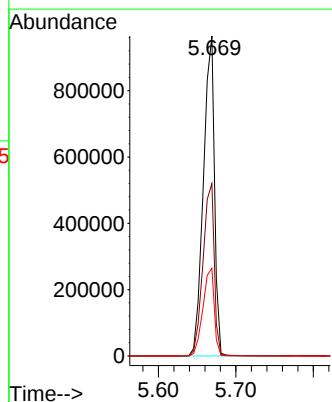
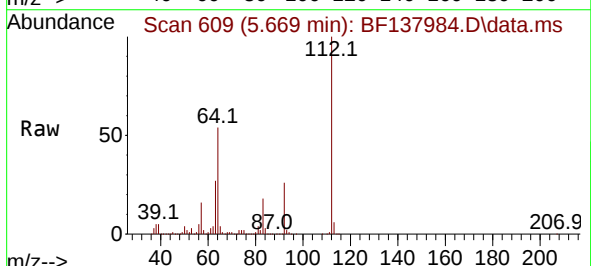
Instrument :
BNA_F
ClientSampleId :
POLE-SLEEVE-SOIL

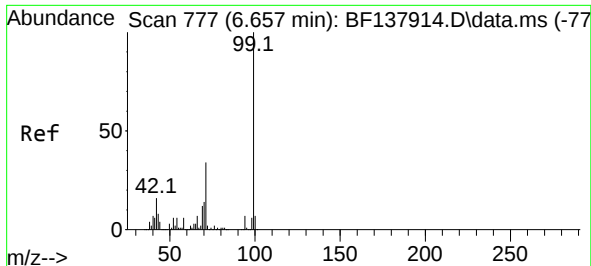
Tgt Ion:152 Resp: 138775
Ion Ratio Lower Upper
152 100
150 156.8 125.7 188.5
115 60.3 47.0 70.6



#5
2-Fluorophenol
Concen: 117.221 ng
RT: 5.669 min Scan# 609
Delta R.T. 0.006 min
Lab File: BF137984.D
Acq: 21 May 2024 18:12

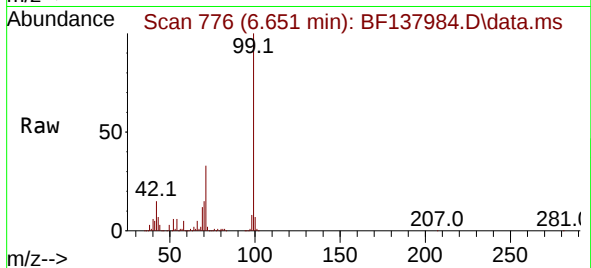
Tgt Ion:112 Resp: 957667
Ion Ratio Lower Upper
112 100
64 53.8 42.4 63.6
63 27.4 21.4 32.2





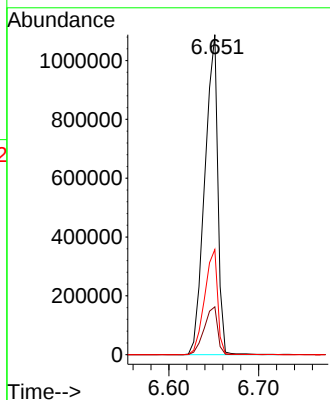
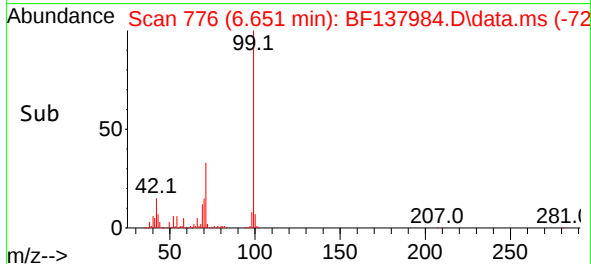
#7
Phenol-d6
Concen: 108.942 ng
RT: 6.651 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137984.D
Acq: 21 May 2024 18:12

Instrument :
BNA_F
ClientSampleId :
POLE-SLEEVE-SOIL

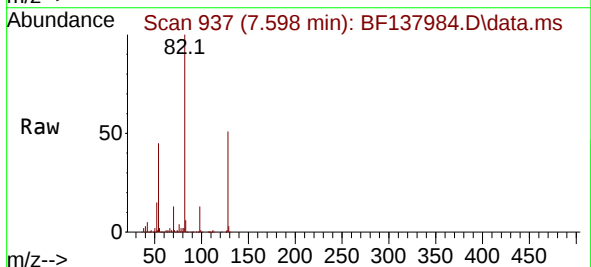


Tgt Ion: 99 Resp: 1096374

Ion	Ratio	Lower	Upper
99	100		
42	15.0	12.6	18.8
71	32.9	27.1	40.7

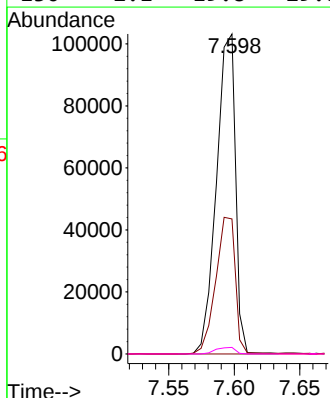
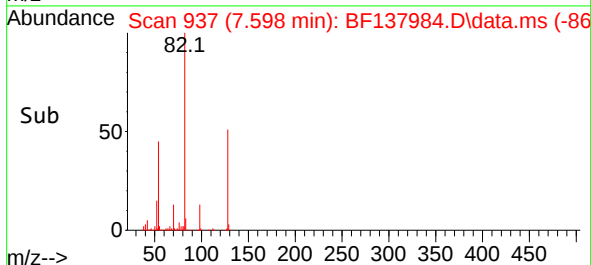


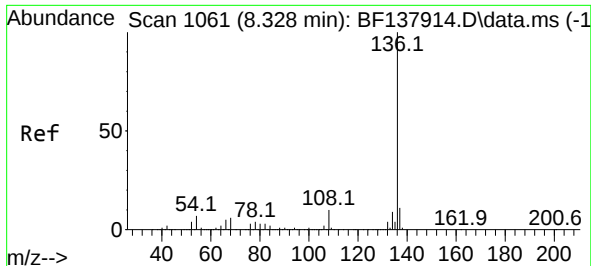
#19
n-Nitroso-di-n-propylamine
Concen: 18.409 ng
RT: 7.598 min Scan# 937
Delta R.T. 0.147 min
Lab File: BF137984.D
Acq: 21 May 2024 18:12



Tgt Ion: 70 Resp: 104086

Ion	Ratio	Lower	Upper
70	100		
42	42.2	42.2	63.4#
101	0.0	8.8	13.2#
130	2.1	19.8	29.8#



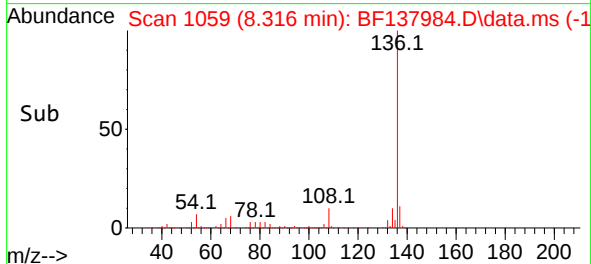
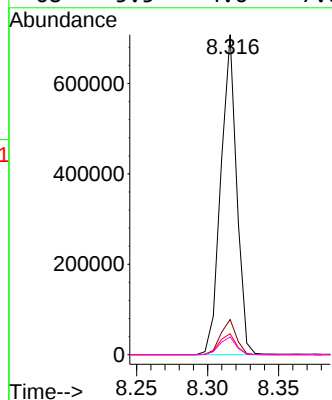
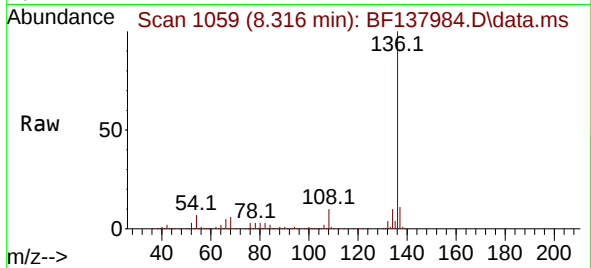


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.316 min Scan# 1059
Delta R.T. -0.012 min
Lab File: BF137984.D
Acq: 21 May 2024 18:12

Instrument :
BNA_F
ClientSampleId :
POLE-SLEEVE-SOIL

Tgt Ion:136 Resp: 548595

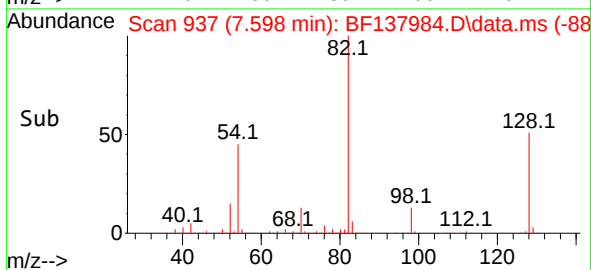
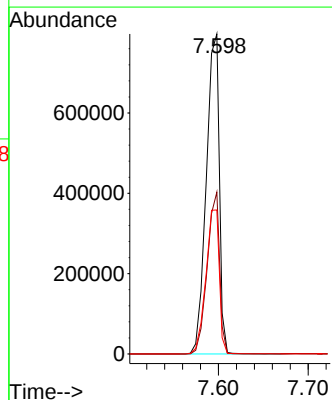
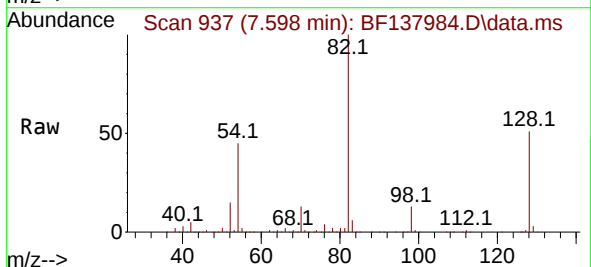
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	6.6	5.4	8.2
68	5.5	4.6	7.0



#23
Nitrobenzene-d5
Concen: 86.187 ng
RT: 7.598 min Scan# 937
Delta R.T. -0.012 min
Lab File: BF137984.D
Acq: 21 May 2024 18:12

Tgt Ion: 82 Resp: 803421

Ion	Ratio	Lower	Upper
82	100		
128	50.5	40.3	60.5
54	45.0	36.8	55.2

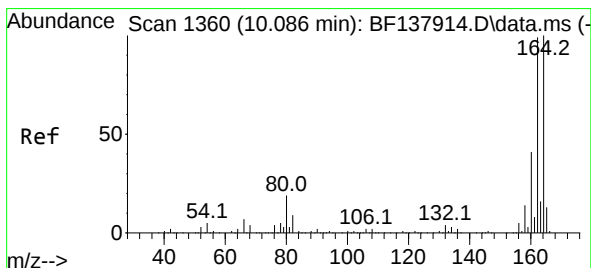
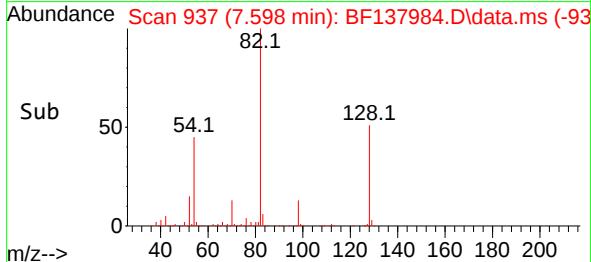
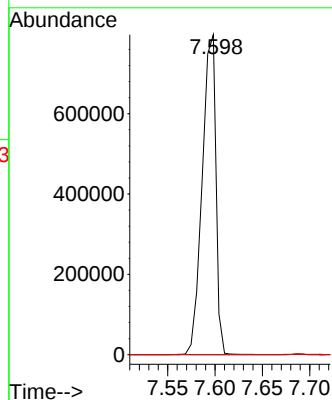
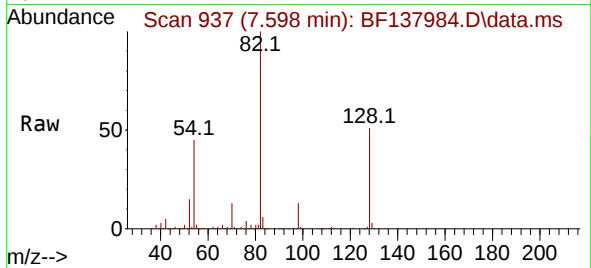




#25
Isophorone
Concen: 49.659 ng
RT: 7.598 min Scan# 91
Delta R.T. -0.259 min
Lab File: BF137984.D
Acq: 21 May 2024 18:12

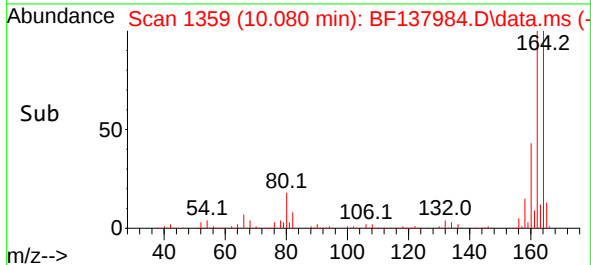
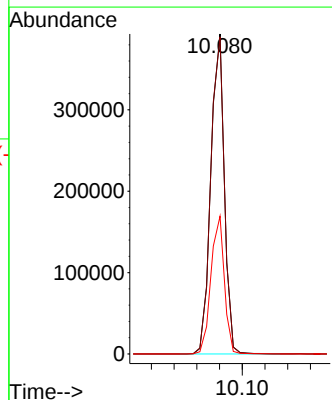
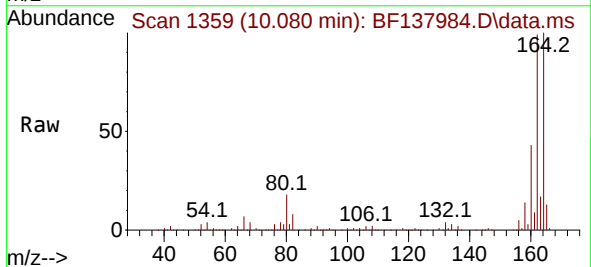
Instrument :
BNA_F
ClientSampleId :
POLE-SLEEVE-SOIL

Tgt Ion: 82 Resp: 803414
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: BF137984.D
Acq: 21 May 2024 18:12

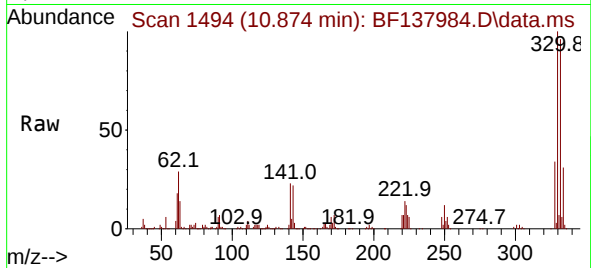
Tgt Ion:164 Resp: 323216
Ion Ratio Lower Upper
164 100
162 99.1 79.4 119.2
160 43.0 33.1 49.7



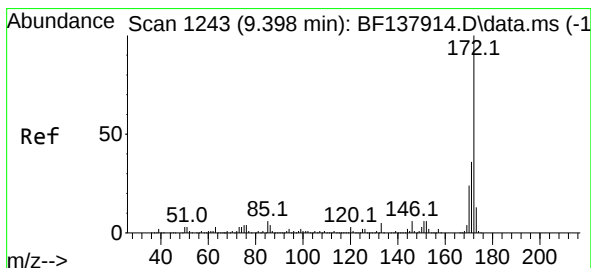
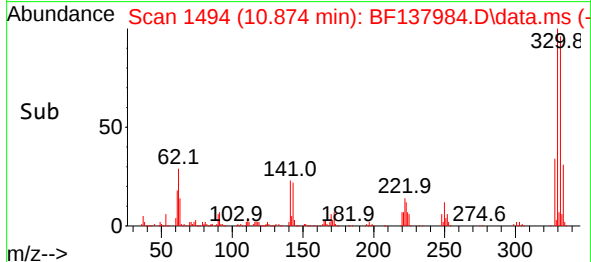
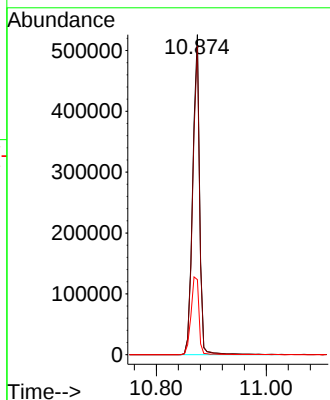


#42
2,4,6-Tribromophenol
Concen: 138.488 ng
RT: 10.874 min Scan# 1494
Delta R.T. -0.006 min
Lab File: BF137984.D
Acq: 21 May 2024 18:12

Instrument :
BNA_F
ClientSampleId :
POLE-SLEEVE-SOIL

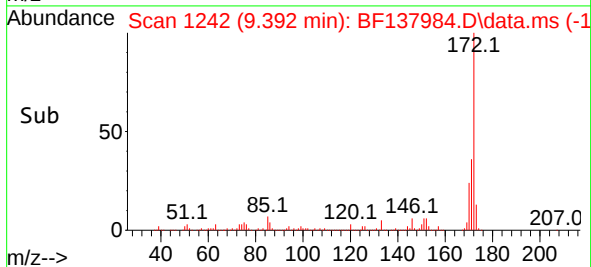
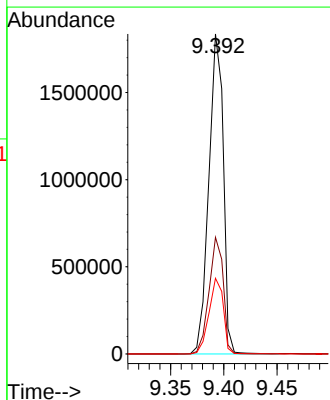
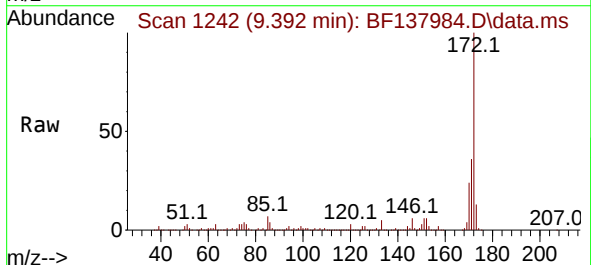


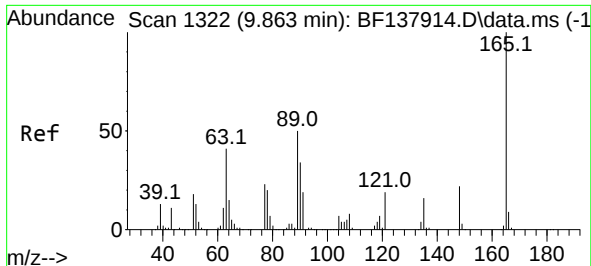
Tgt Ion:330 Resp: 451329
Ion Ratio Lower Upper
330 100
332 96.3 75.8 113.8
141 28.2 23.8 35.6



#45
2-Fluorobiphenyl
Concen: 82.863 ng
RT: 9.392 min Scan# 1242
Delta R.T. -0.006 min
Lab File: BF137984.D
Acq: 21 May 2024 18:12

Tgt Ion:172 Resp: 1738690
Ion Ratio Lower Upper
172 100
171 36.5 28.9 43.3
170 23.7 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 9.044 ng

RT: 10.080 min Scan# 1359

Delta R.T. 0.218 min

Lab File: BF137984.D

Acq: 21 May 2024 18:12

Instrument :

BNA_F

ClientSampleId :

POLE-SLEEVE-SOIL

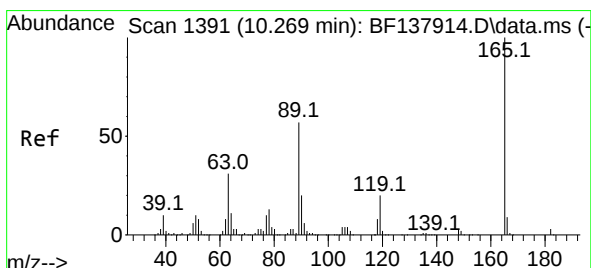
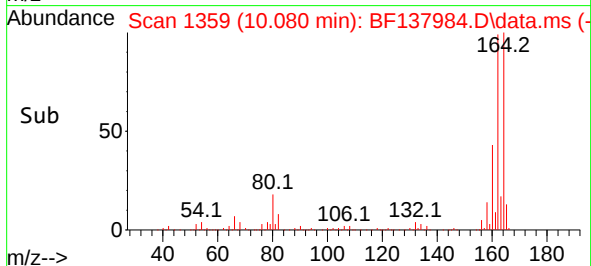
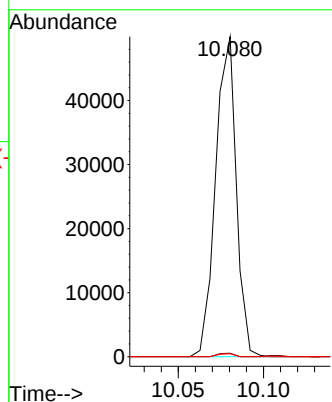
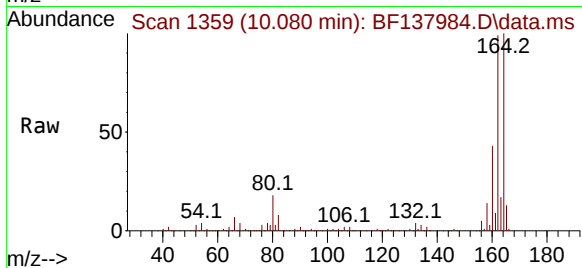
Tgt Ion:165 Resp: 42072

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: 6.996 ng

RT: 10.080 min Scan# 1359

Delta R.T. -0.188 min

Lab File: BF137984.D

Acq: 21 May 2024 18:12

Tgt Ion:165 Resp: 42072

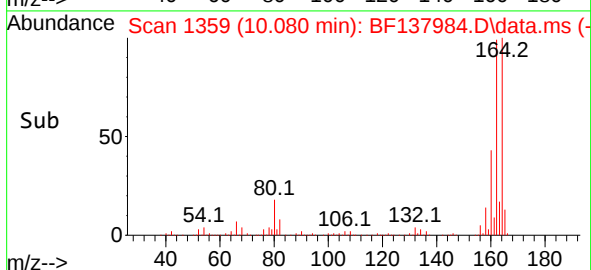
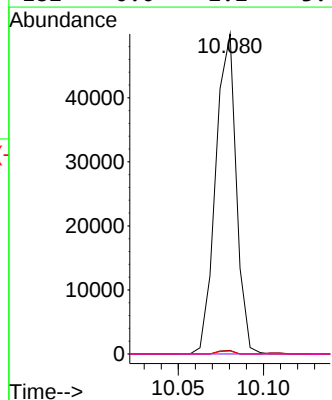
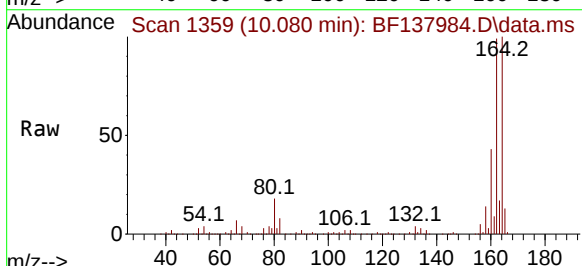
Ion Ratio Lower Upper

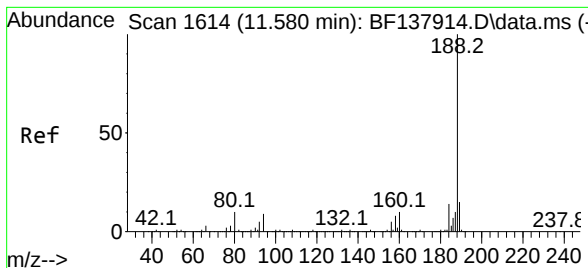
165 100

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: BF137984.D

Acq: 21 May 2024 18:12

Instrument :

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ClientSampleId :

POLE-SLEEVE-SOIL

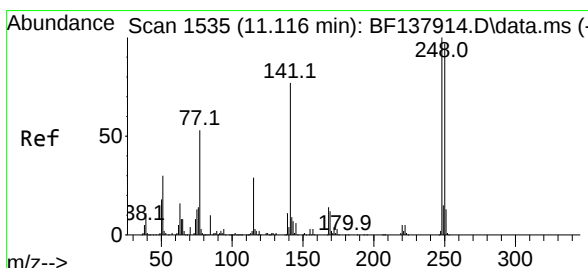
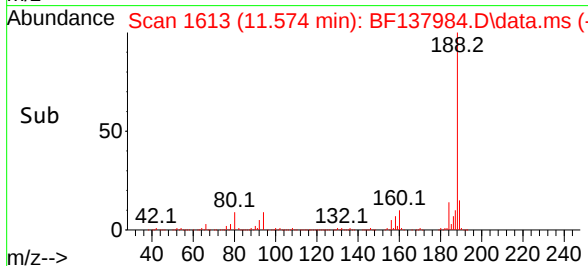
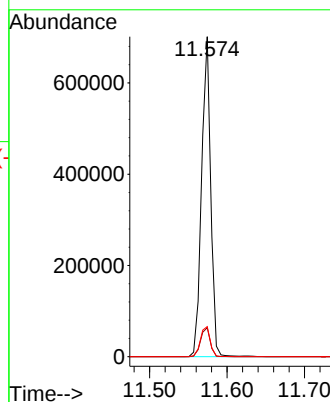
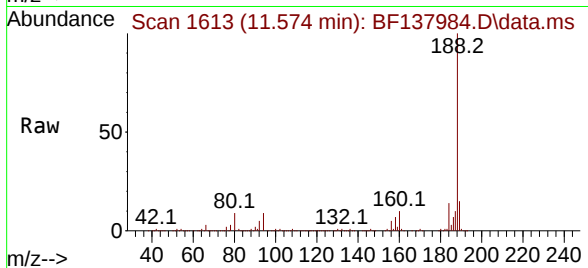
Tgt Ion:188 Resp: 572391

Ion Ratio Lower Upper

188 100

94 9.1 7.0 10.4

80 9.4 7.7 11.5



#67

4-Bromophenyl-phenylether

Concen: 4.523 ng

RT: 10.874 min Scan# 1494

Delta R.T. -0.241 min

Lab File: BF137984.D

Acq: 21 May 2024 18:12

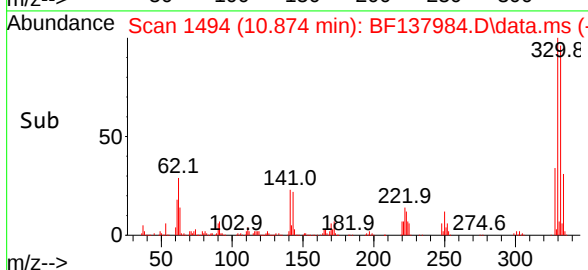
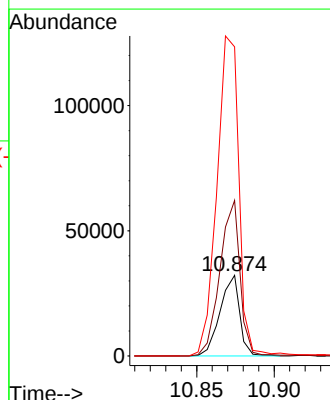
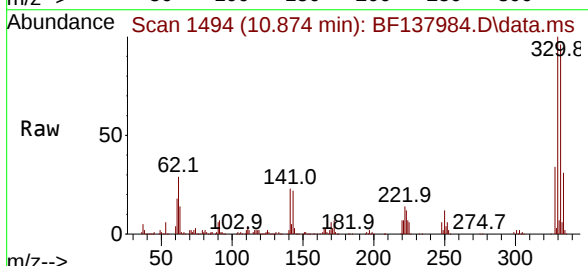
Tgt Ion:248 Resp: 28382

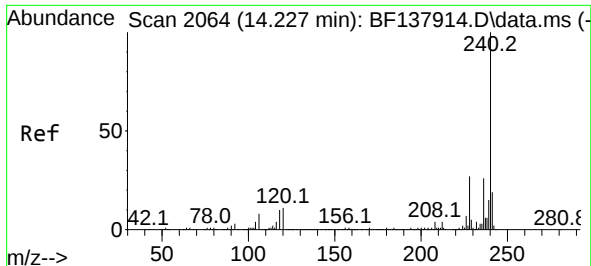
Ion Ratio Lower Upper

248 100

250 192.9 77.6 116.4#

141 383.4 61.4 92.2#

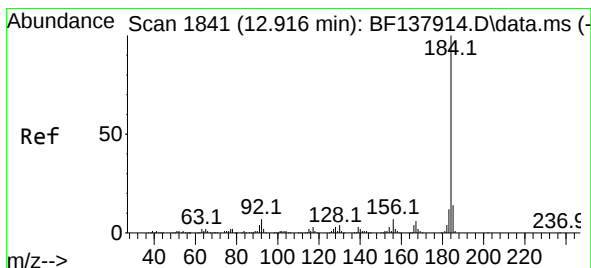
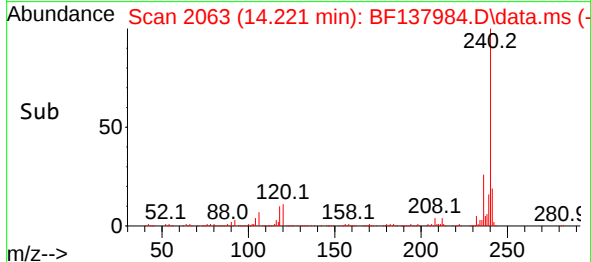
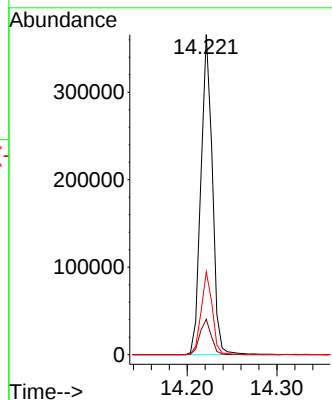
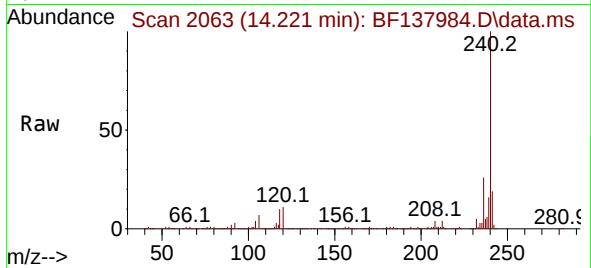




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.221 min Scan# 2063
Delta R.T. -0.006 min
Lab File: BF137984.D
Acq: 21 May 2024 18:12

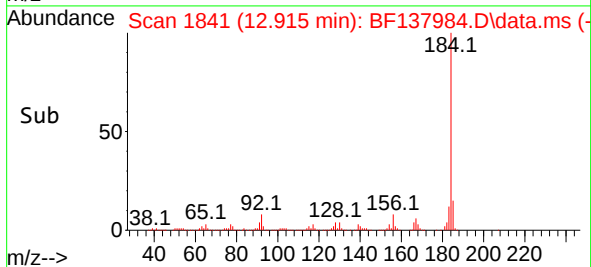
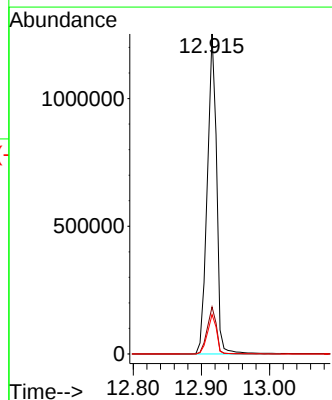
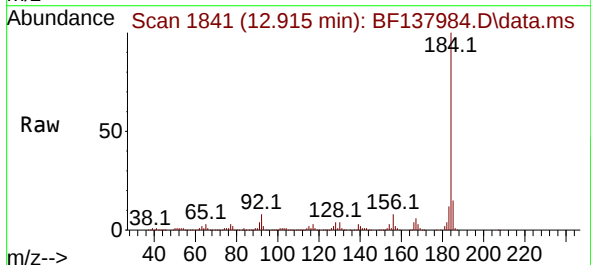
Instrument :
BNA_F
ClientSampleId :
POLE-SLEEVE-SOIL

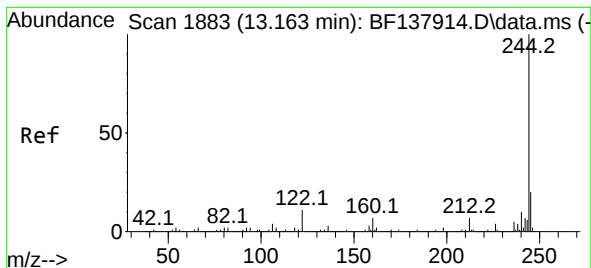
Tgt Ion:240 Resp: 324066
Ion Ratio Lower Upper
240 100
120 11.0 8.9 13.3
236 25.9 21.0 31.4



#77
Benzidine
Concen: 281.856 ng
RT: 12.915 min Scan# 1841
Delta R.T. -0.001 min
Lab File: BF137984.D
Acq: 21 May 2024 18:12

Tgt Ion:184 Resp: 1193712
Ion Ratio Lower Upper
184 100
185 14.7 11.4 17.2
183 12.3 9.5 14.3





#79

Terphenyl-d14

Concen: 89.733 ng

RT: 13.163 min Scan# 1883

Delta R.T. -0.000 min

Lab File: BF137984.D

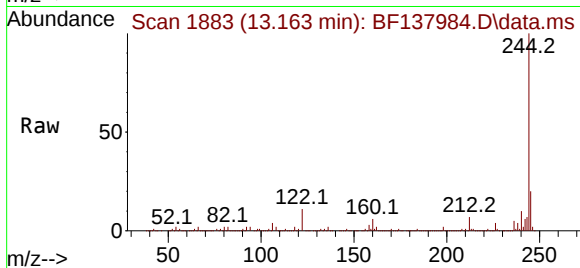
Acq: 21 May 2024 18:12

Instrument :

BNA_F

ClientSampleId :

POLE-SLEEVE-SOIL



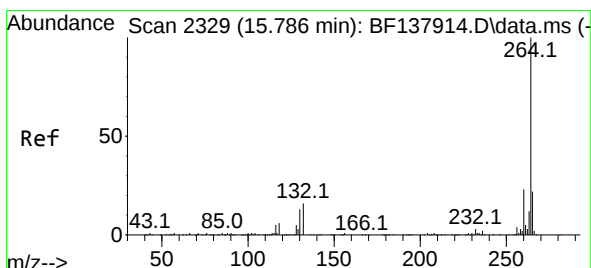
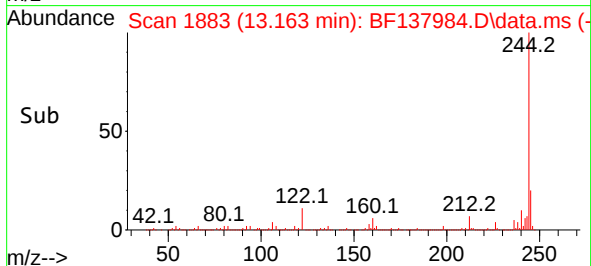
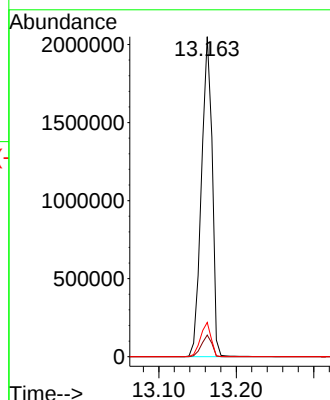
Tgt Ion:244 Resp: 1973094

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 10.7 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: BF137984.D

Acq: 21 May 2024 18:12

Tgt Ion:264 Resp: 298936

Ion Ratio Lower Upper

264 100

260 23.3 18.3 27.5

265 22.1 17.6 26.4

