

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
 Data File : BF142870.D
 Acq On : 26 Jun 2025 16:06
 Operator : RC/JU
 Sample : Q2409-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COP-SOIL-PILE

Quant Time: Jun 26 16:43:22 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

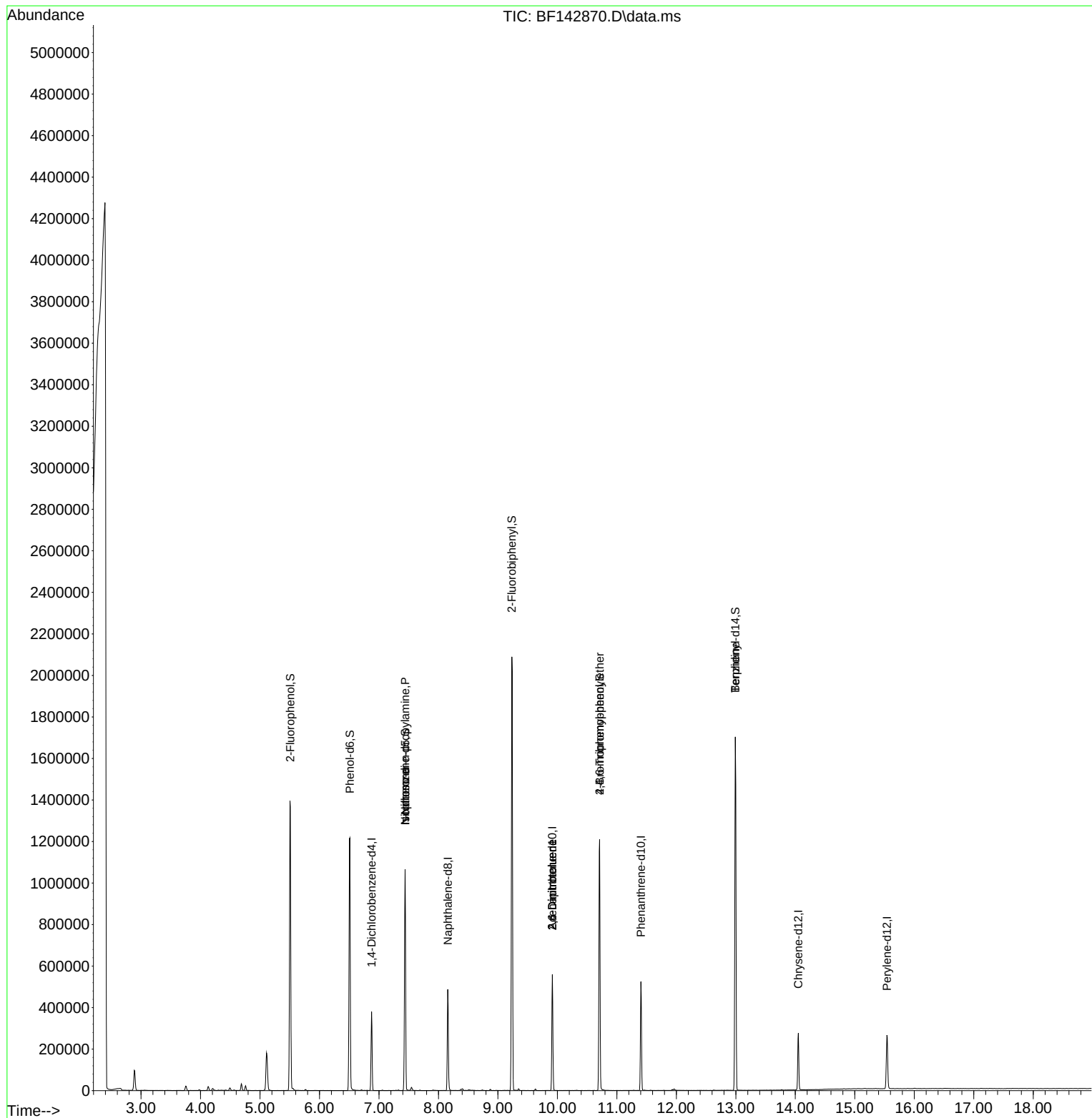
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	80928	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	314887	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	165118	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	274266	20.000	ng	0.00
76) Chrysene-d12	14.051	240	138507	20.000	ng	0.00
86) Perylene-d12	15.539	264	159738	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	565560	116.352	ng	0.02
7) Phenol-d6	6.510	99	607532	105.939	ng	0.00
23) Nitrobenzene-d5	7.439	82	465195	81.033	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	218590	128.645	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	982020	78.129	ng	-0.01
79) Terphenyl-d14	12.992	244	834803	83.277	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	63422	19.015	ng	# 73
25) Isophorone	7.439	82	465189	50.514	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	21563	9.187	ng	# 26
57) 2,4-Dinitrotoluene	9.916	165	21563	6.916	ng	# 27
67) 4-Bromophenyl-phenylether	10.710	248	14122	4.524	ng	# 1
77) Benzidine	12.992	184	11149	2.142	ng	# 94

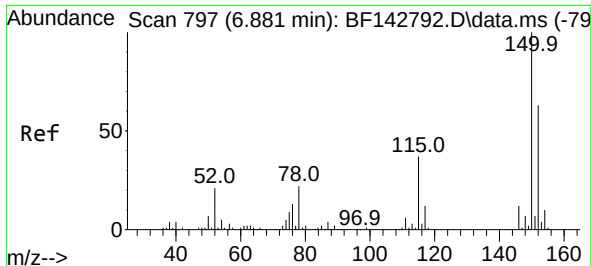
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
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Misc :
ALS Vial : 15 Sample Multiplier: 1

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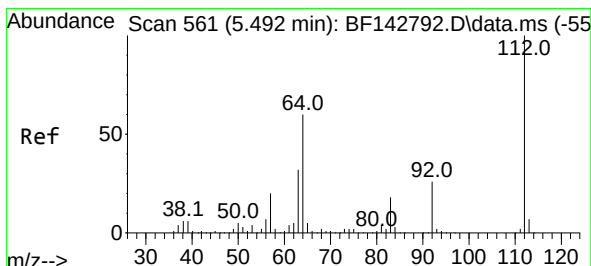
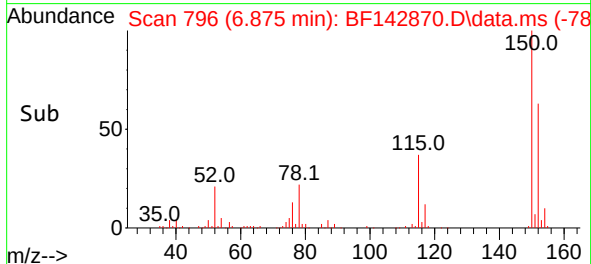
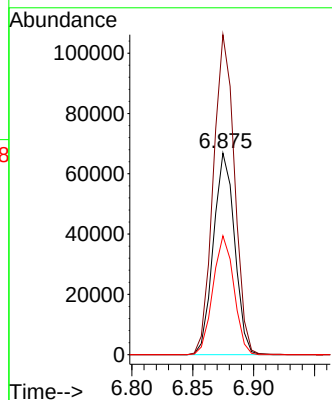
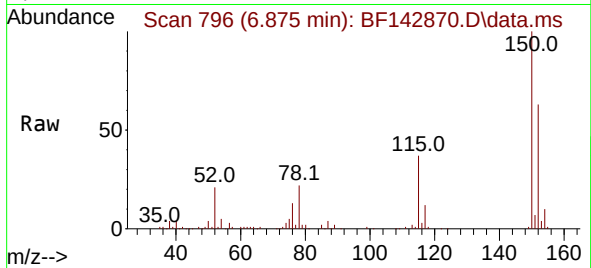




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF142870.D
Acq: 26 Jun 2025 16:06

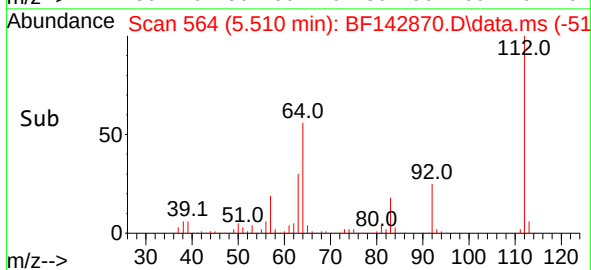
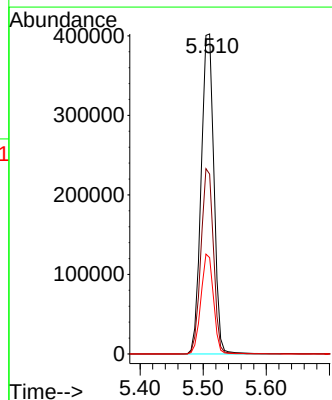
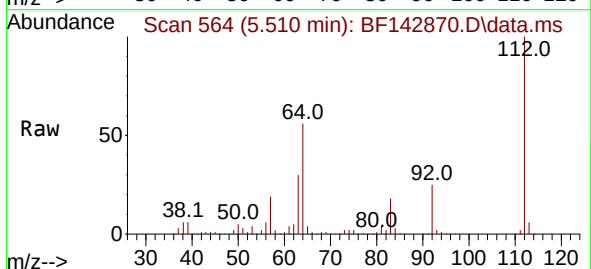
Instrument :
BNA_F
ClientSampleId :
COP-SOIL-PILE

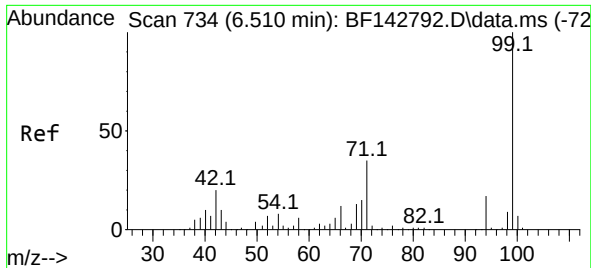
Tgt Ion:152 Resp: 80928
Ion Ratio Lower Upper
152 100
150 158.7 127.2 190.8
115 58.9 46.6 69.8



#5
2-Fluorophenol
Concen: 116.352 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.018 min
Lab File: BF142870.D
Acq: 26 Jun 2025 16:06

Tgt Ion:112 Resp: 565560
Ion Ratio Lower Upper
112 100
64 56.2 48.2 72.2
63 30.1 25.7 38.5

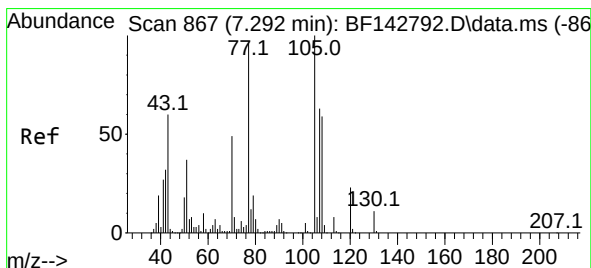
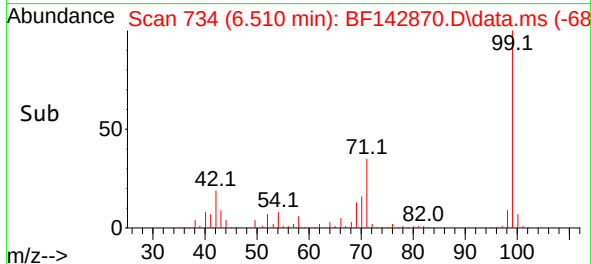
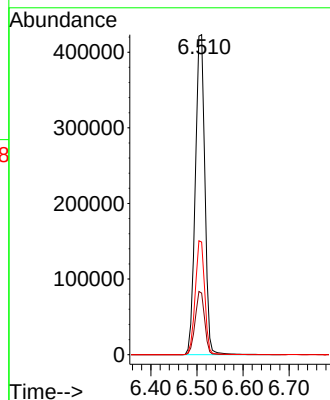
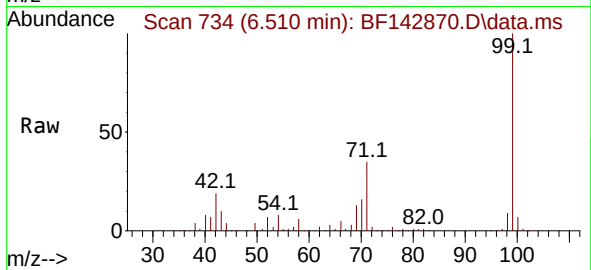




#7
Phenol-d6
Concen: 105.939 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF142870.D
Acq: 26 Jun 2025 16:06

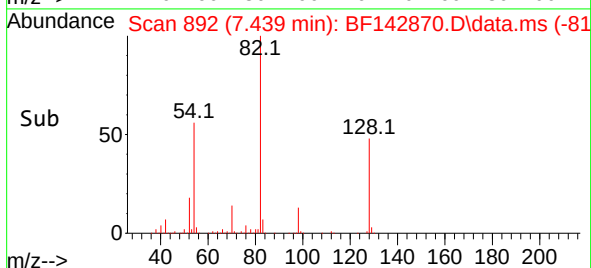
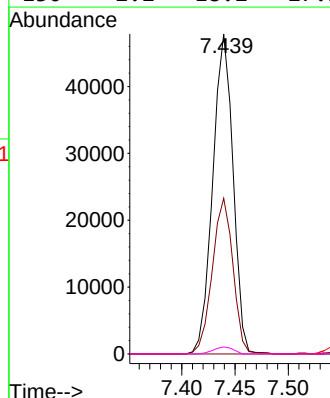
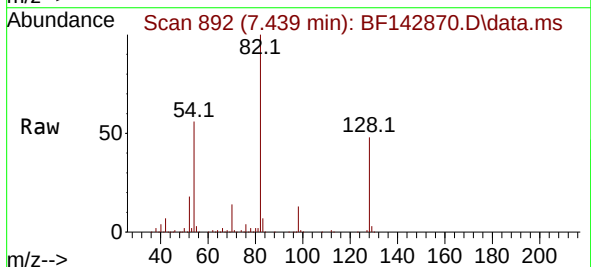
Instrument :
BNA_F
ClientSampleId :
COP-SOIL-PILE

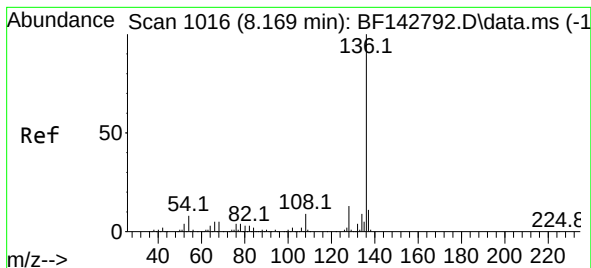
Tgt Ion: 99 Resp: 607532
Ion Ratio Lower Upper
99 100
42 19.3 15.9 23.9
71 35.2 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 19.015 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.147 min
Lab File: BF142870.D
Acq: 26 Jun 2025 16:06

Tgt Ion: 70 Resp: 63422
Ion Ratio Lower Upper
70 100
42 48.7 52.1 78.1#
101 0.0 8.2 12.2#
130 2.2 18.2 27.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1014

Delta R.T. -0.012 min

Lab File: BF142870.D

Acq: 26 Jun 2025 16:06

Instrument :

BNA_F

ClientSampleId :

COP-SOIL-PILE

Tgt Ion:136 Resp: 314887

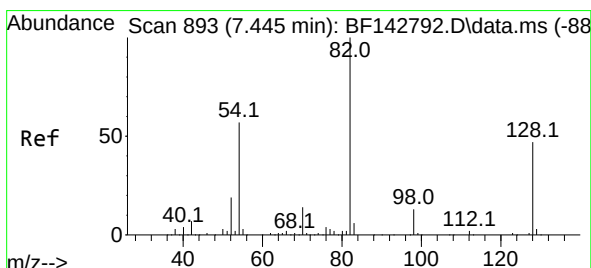
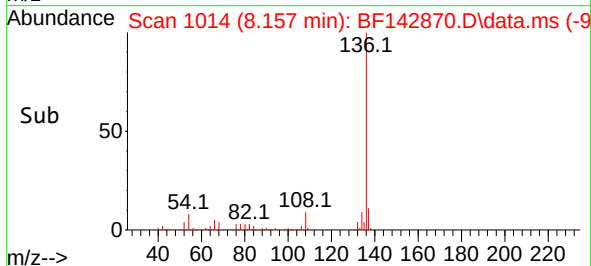
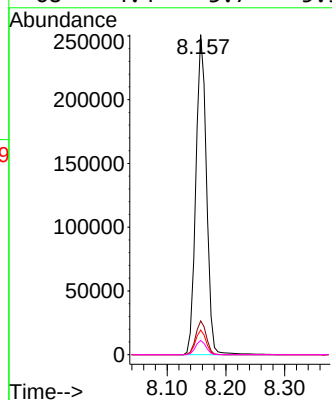
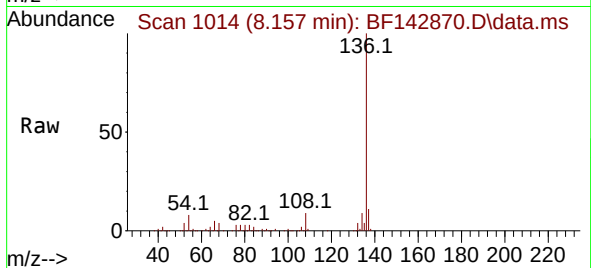
Ion Ratio Lower Upper

136 100

137 10.5 8.4 12.6

54 7.7 6.3 9.5

68 4.4 3.7 5.5



#23

Nitrobenzene-d5

Concen: 81.033 ng

RT: 7.439 min Scan# 892

Delta R.T. -0.006 min

Lab File: BF142870.D

Acq: 26 Jun 2025 16:06

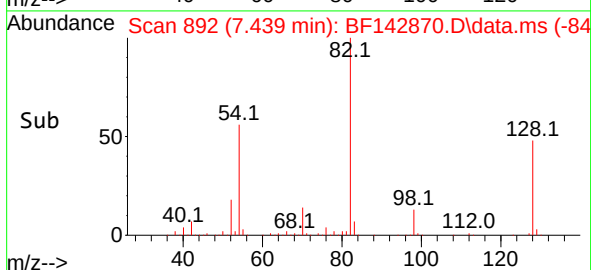
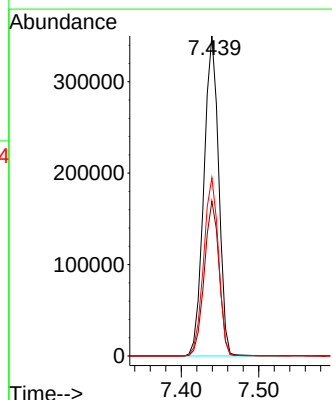
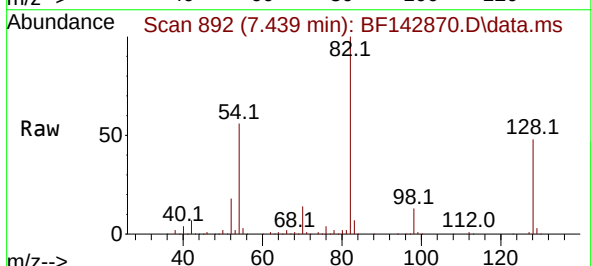
Tgt Ion: 82 Resp: 465195

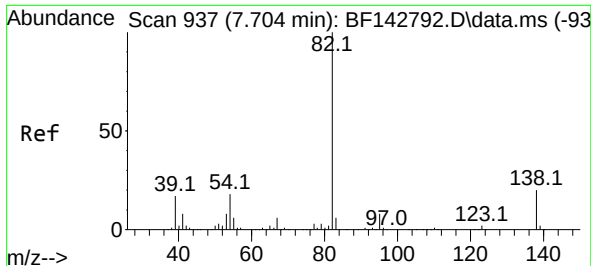
Ion Ratio Lower Upper

82 100

128 48.4 37.7 56.5

54 55.7 45.7 68.5

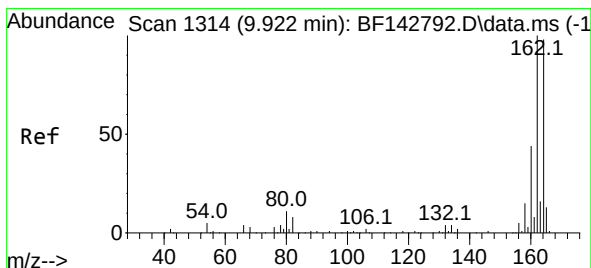
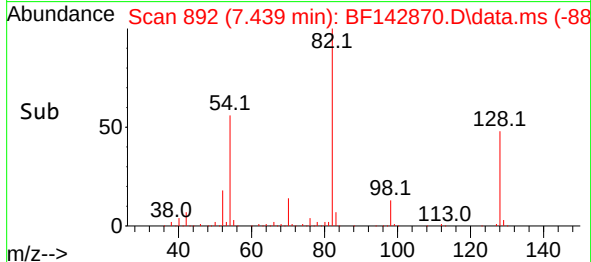
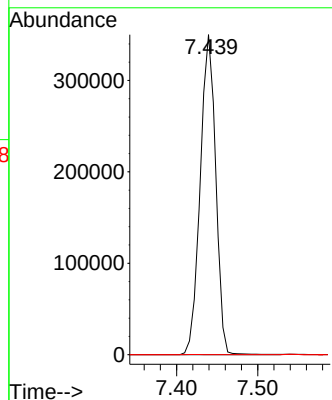
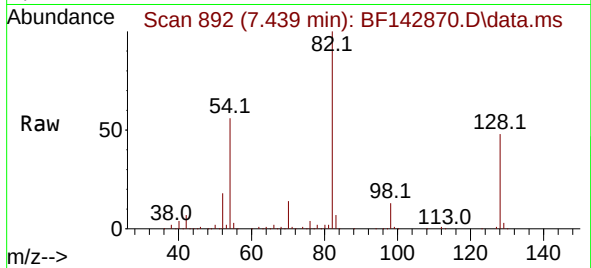




#25
Isophorone
Concen: 50.514 ng
RT: 7.439 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF142870.D
Acq: 26 Jun 2025 16:06

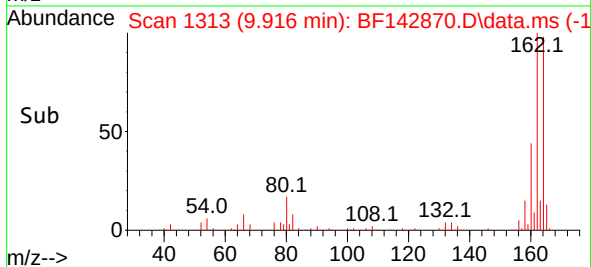
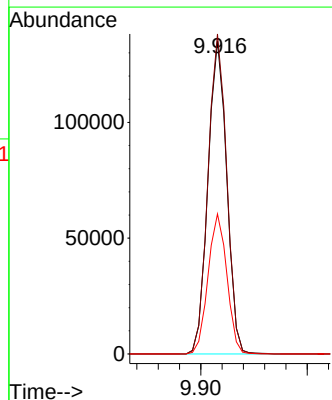
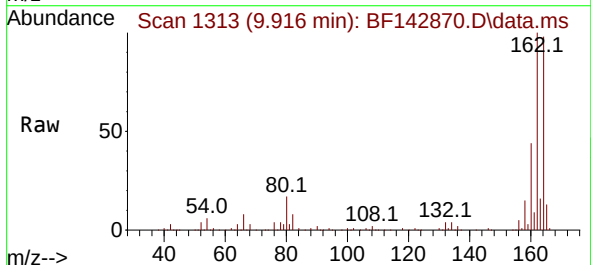
Instrument :
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COP-SOIL-PILE

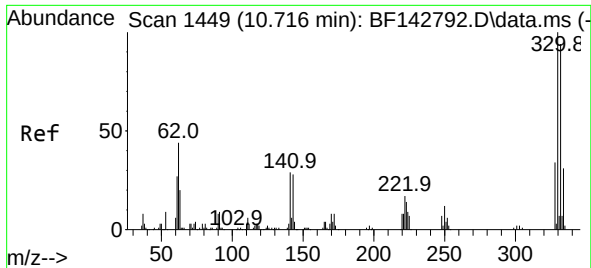
Tgt Ion: 82 Resp: 465189
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142870.D
Acq: 26 Jun 2025 16:06

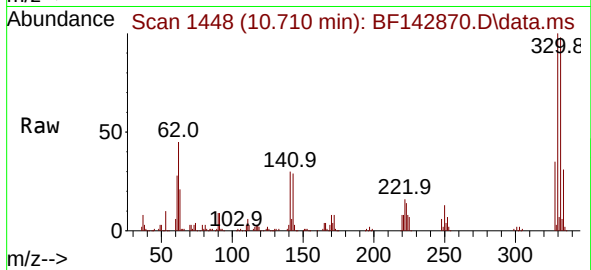
Tgt Ion:164 Resp: 165118
Ion Ratio Lower Upper
164 100
162 102.2 81.8 122.8
160 44.7 36.0 54.0



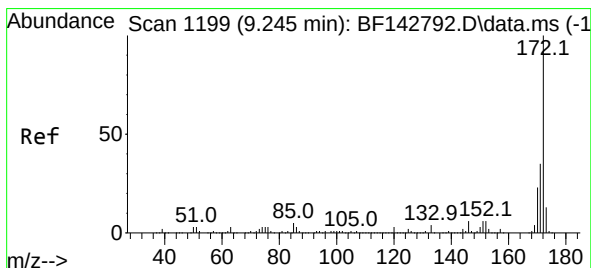
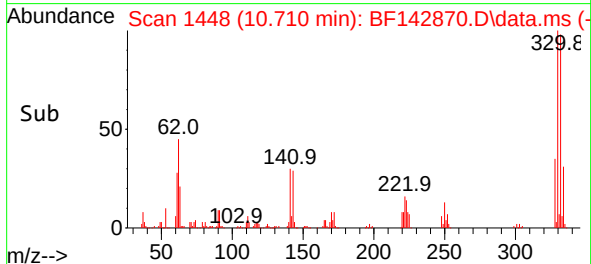
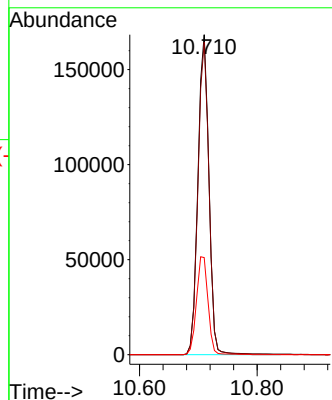


#42
2,4,6-Tribromophenol
Concen: 128.645 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF142870.D
Acq: 26 Jun 2025 16:06

Instrument :
BNA_F
ClientSampleId :
COP-SOIL-PILE

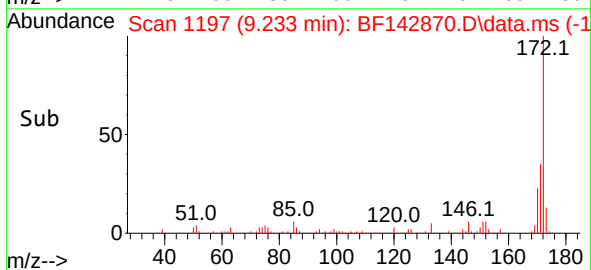
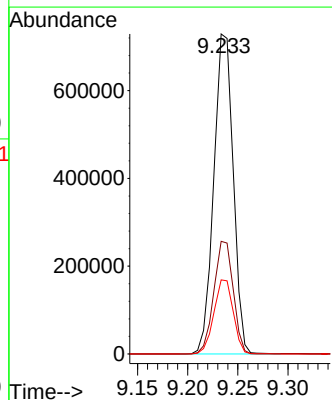
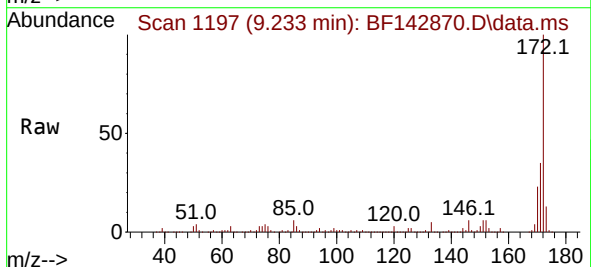


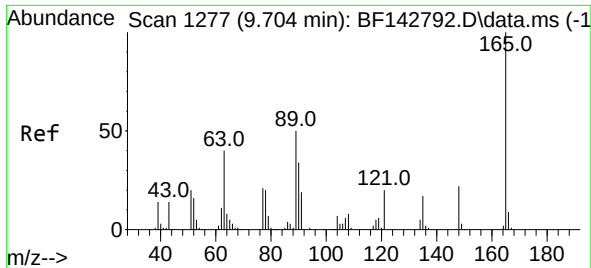
Tgt Ion:330 Resp: 218590
Ion Ratio Lower Upper
330 100
332 97.6 75.0 112.6
141 32.0 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 78.129 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF142870.D
Acq: 26 Jun 2025 16:06

Tgt Ion:172 Resp: 982020
Ion Ratio Lower Upper
172 100
171 35.2 28.2 42.4
170 23.2 18.5 27.7

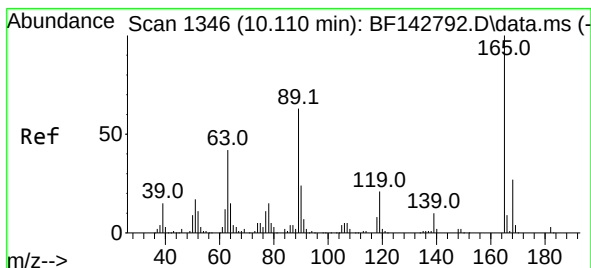
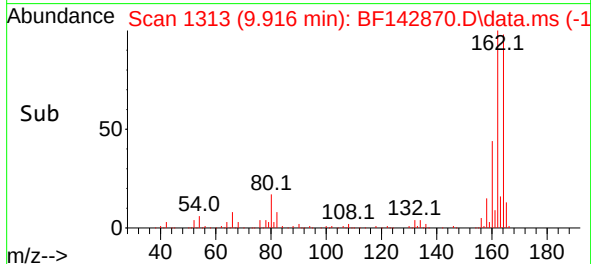
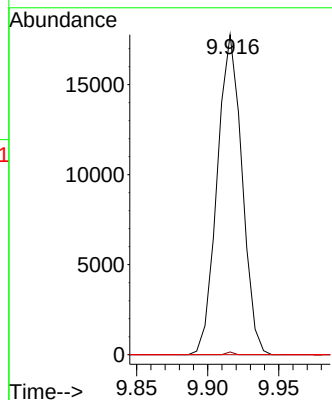
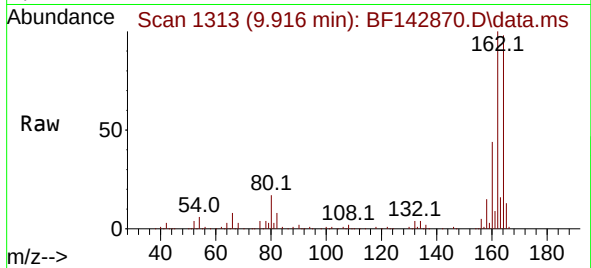




#51
2,6-Dinitrotoluene
Concen: 9.187 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF142870.D
Acq: 26 Jun 2025 16:06

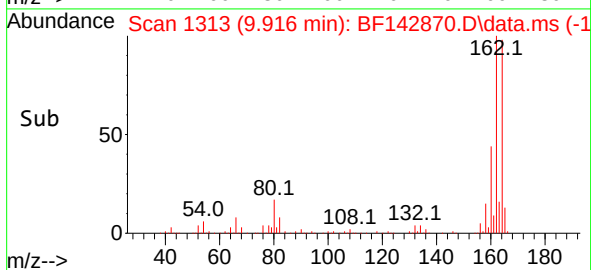
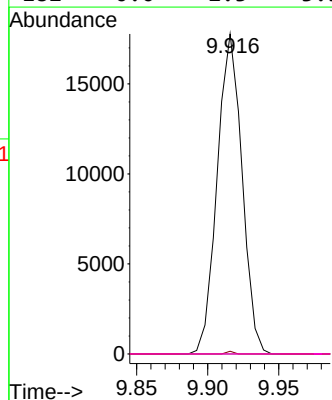
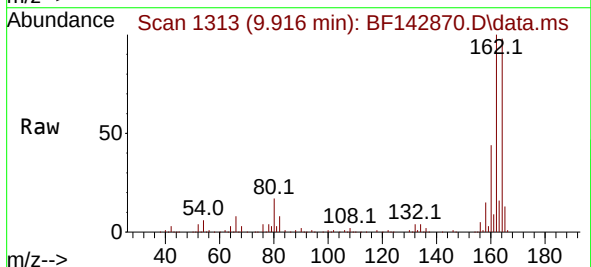
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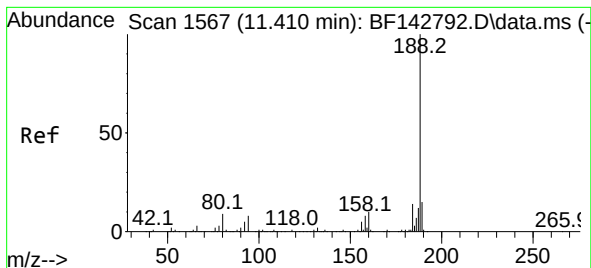
Tgt Ion:165 Resp: 21563
Ion Ratio Lower Upper
165 100
63 0.9 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.916 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.194 min
Lab File: BF142870.D
Acq: 26 Jun 2025 16:06

Tgt Ion:165 Resp: 21563
Ion Ratio Lower Upper
165 100
63 0.9 33.9 50.9#
89 0.0 50.6 75.8#
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142870.D

Acq: 26 Jun 2025 16:06

Instrument :

BNA_F

ClientSampleId :

COP-SOIL-PILE

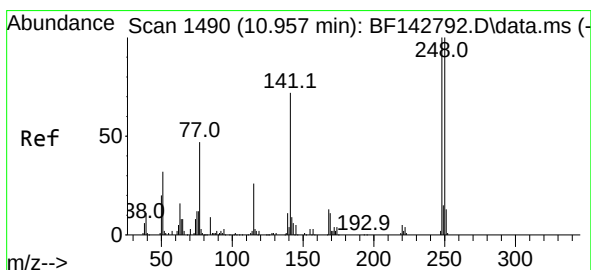
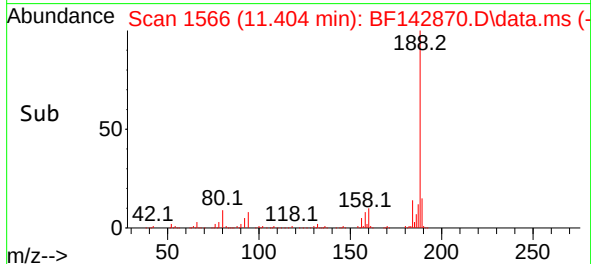
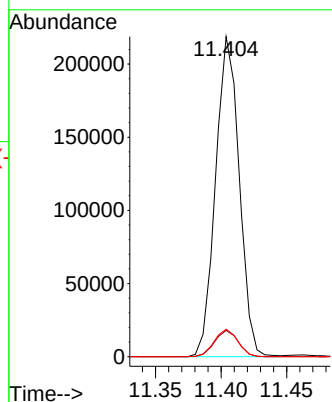
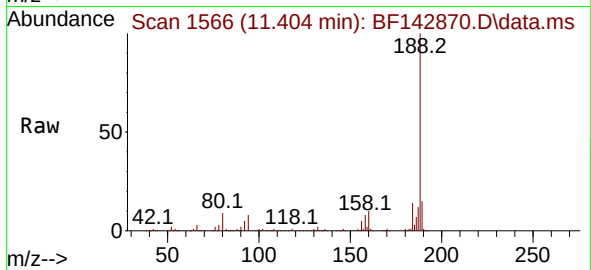
Tgt Ion:188 Resp: 274266

Ion Ratio Lower Upper

188 100

94 8.2 6.7 10.1

80 8.6 6.9 10.3



#67

4-Bromophenyl-phenylether

Concen: 4.524 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.247 min

Lab File: BF142870.D

Acq: 26 Jun 2025 16:06

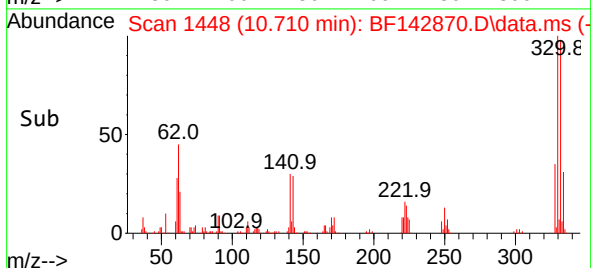
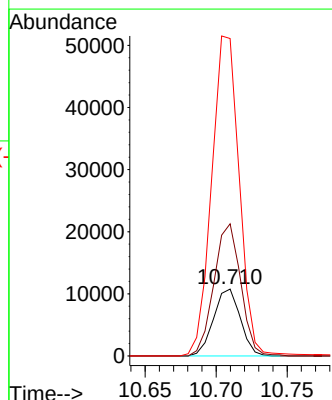
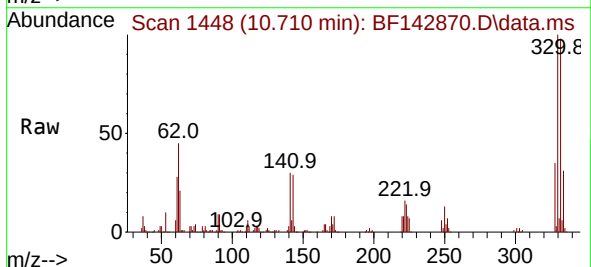
Tgt Ion:248 Resp: 14122

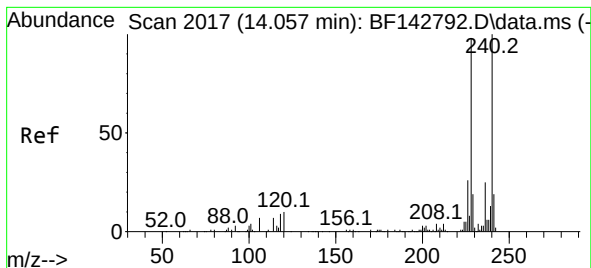
Ion Ratio Lower Upper

248 100

250 197.4 79.8 119.8#

141 474.2 57.8 86.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142870.D

Acq: 26 Jun 2025 16:06

Instrument :

BNA_F

ClientSampleId :

COP-SOIL-PILE

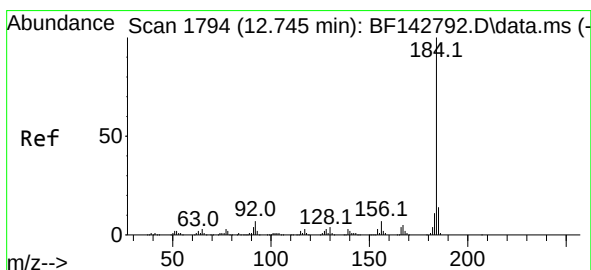
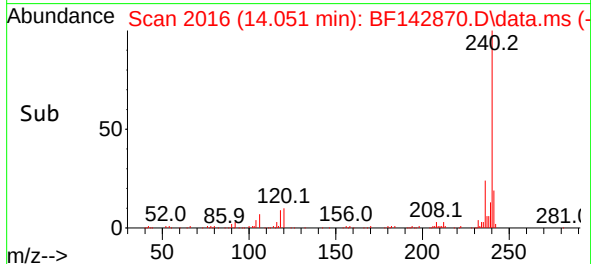
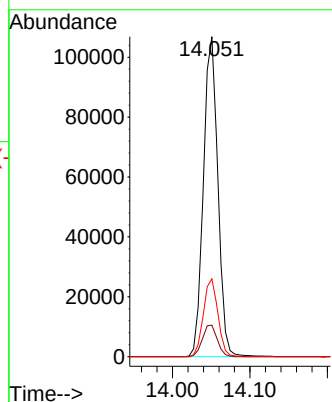
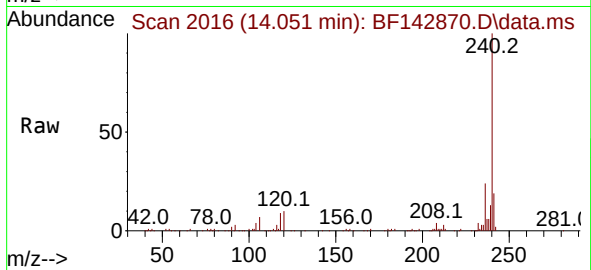
Tgt Ion:240 Resp: 138507

Ion Ratio Lower Upper

240 100

120 9.9 8.2 12.2

236 24.4 19.8 29.8



#77

Benzidine

Concen: 2.142 ng

RT: 12.992 min Scan# 1836

Delta R.T. 0.247 min

Lab File: BF142870.D

Acq: 26 Jun 2025 16:06

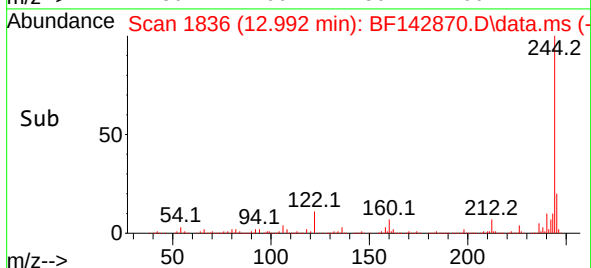
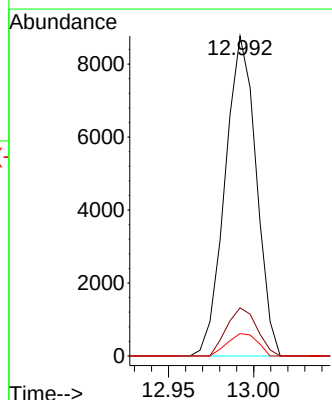
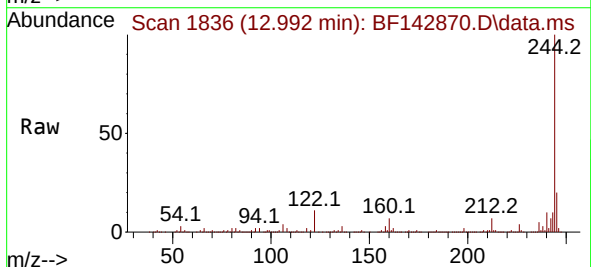
Tgt Ion:184 Resp: 11149

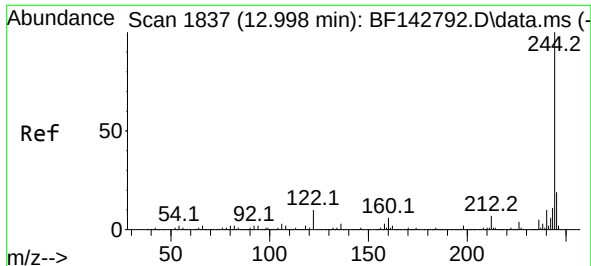
Ion Ratio Lower Upper

184 100

185 15.1 11.5 17.3

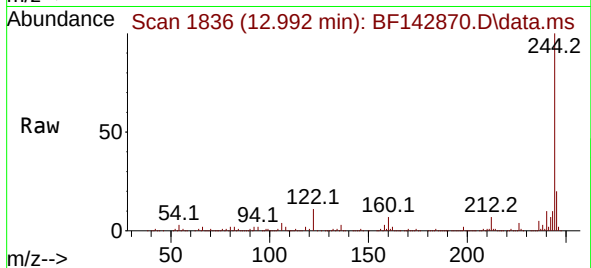
183 7.0 9.0 13.4#



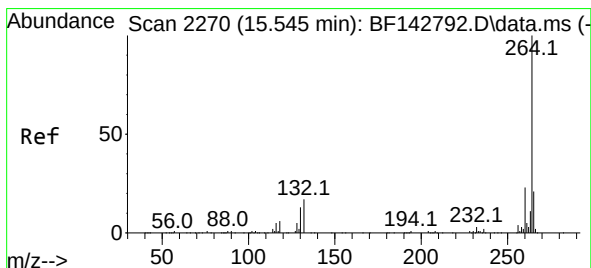
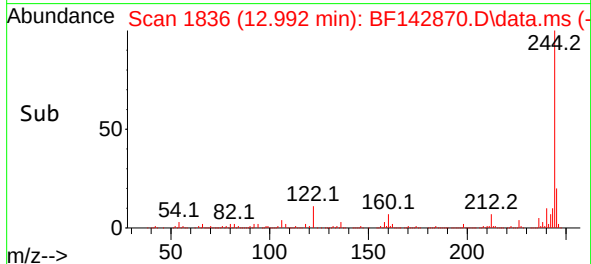
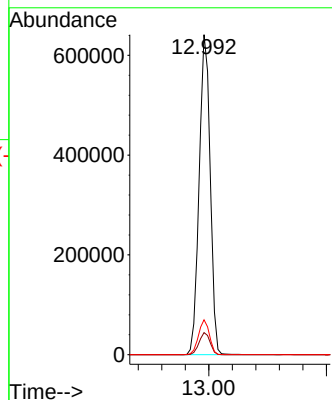


#79
 Terphenyl-d14
 Concen: 83.277 ng
 RT: 12.992 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF142870.D
 Acq: 26 Jun 2025 16:06

Instrument :
 BNA_F
 ClientSampleId :
 COP-SOIL-PILE



Tgt Ion:244 Resp: 834803
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 10.9 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 2269
 Delta R.T. -0.006 min
 Lab File: BF142870.D
 Acq: 26 Jun 2025 16:06

Tgt Ion:264 Resp: 159738
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.1 27.1
 265 21.1 16.6 25.0

