

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032125\
 Data File : BF142042.D
 Acq On : 21 Mar 2025 21:17
 Operator : RC/JU
 Sample : Q1605-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DRUM-SOIL-CUTTING

Quant Time: Mar 21 23:02:37 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

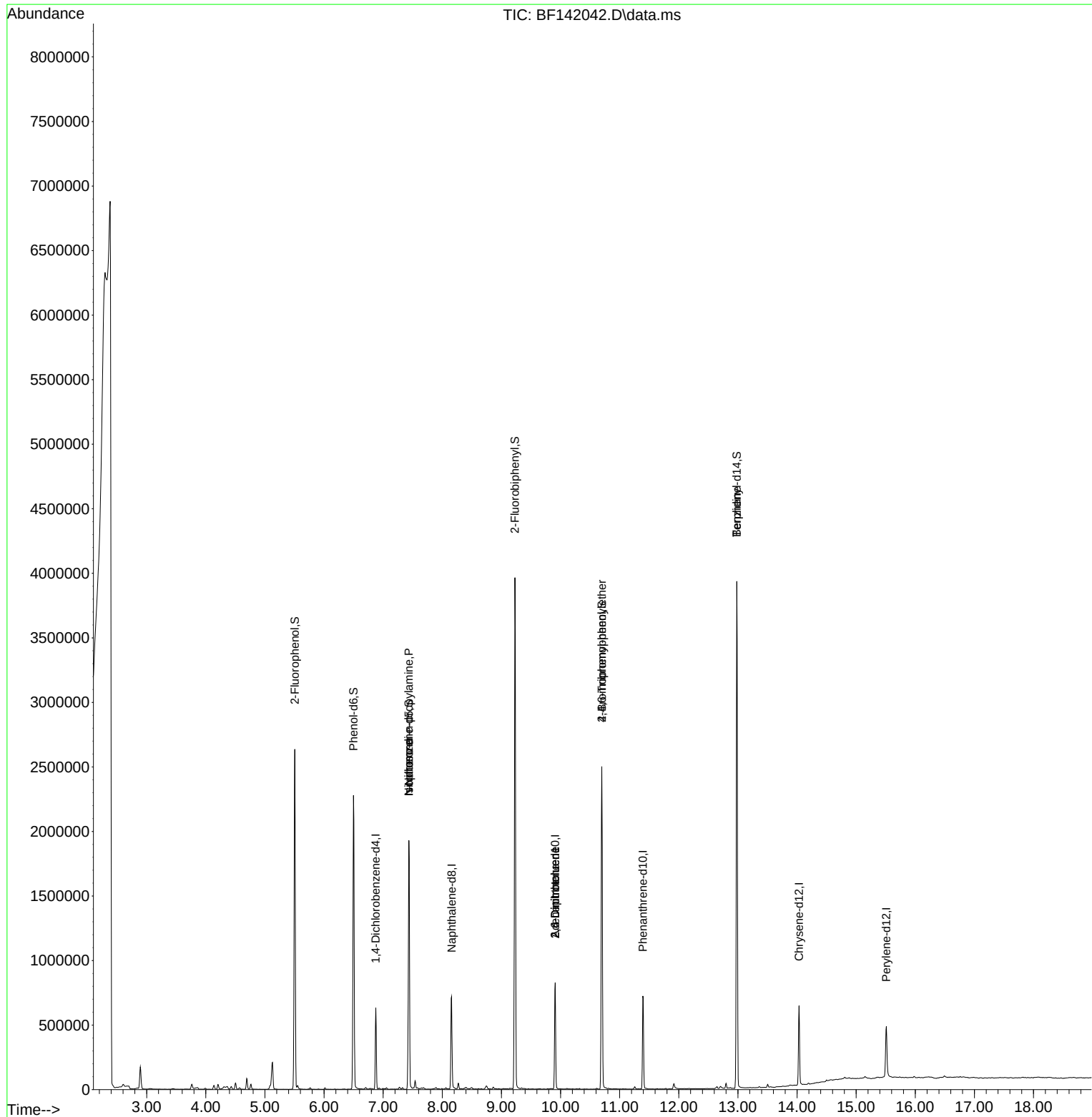
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	128885	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	489683	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	252341	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	384027	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	311434	20.000	ng	0.00
86) Perylene-d12	15.510	264	259099	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1040397	134.723	ng	0.01
7) Phenol-d6	6.498	99	1134645	115.398	ng	0.00
23) Nitrobenzene-d5	7.434	82	902501	103.718	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	473944	148.048	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1773237	106.870	ng	-0.01
79) Terphenyl-d14	12.980	244	1997990	94.849	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	125033	19.790	ng	# 78
25) Isophorone	7.434	82	883410	57.434	ng	# 64
51) 2,6-Dinitrotoluene	9.910	165	32696	8.887	ng	# 23
57) 2,4-Dinitrotoluene	9.910	165	32696	6.804	ng	# 24
67) 4-Bromophenyl-phenylether	10.698	248	29341	6.084	ng	# 1
77) Benzidine	12.980	184	26734	6.153	ng	# 89

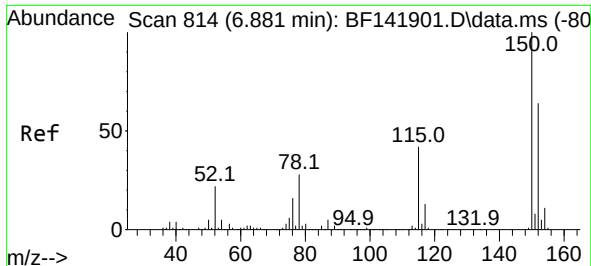
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 21 Sample Multiplier: 1

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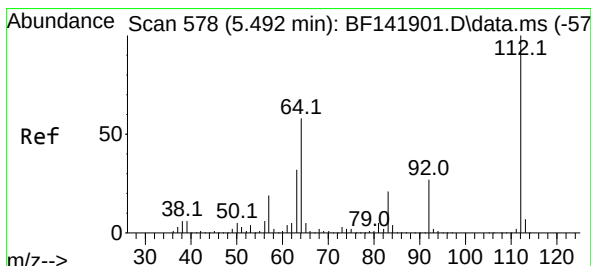
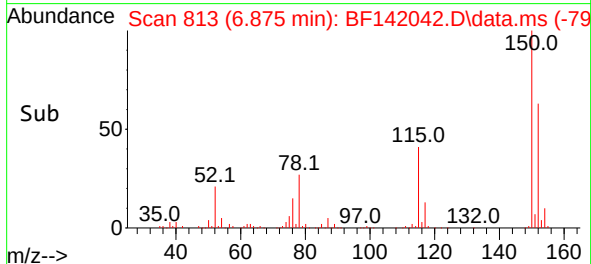
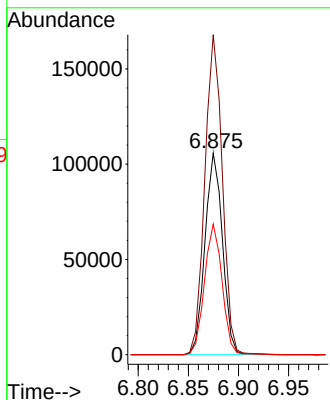
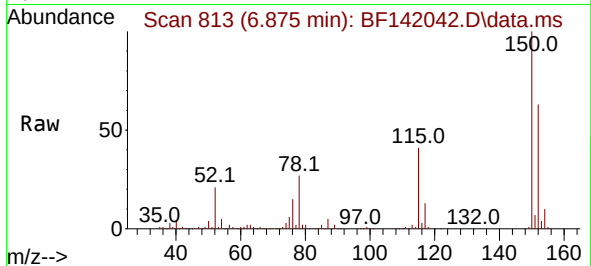




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF142042.D
Acq: 21 Mar 2025 21:17

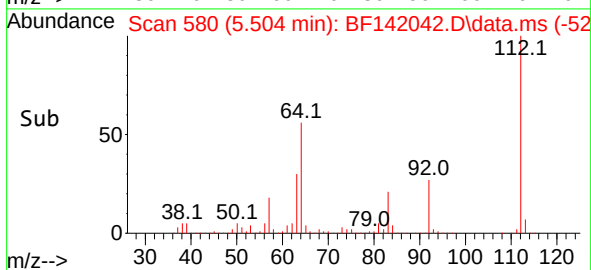
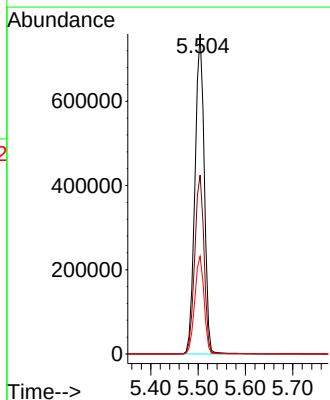
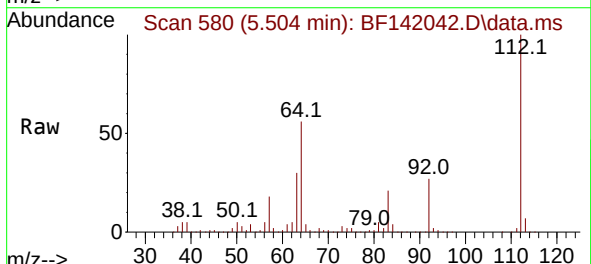
Instrument :
BNA_F
ClientSampleId :
DRUM-SOIL-CUTTING

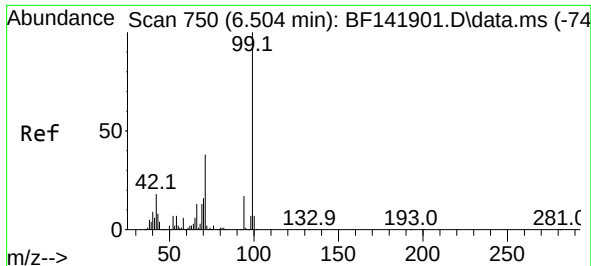
Tgt Ion:152 Resp: 128885
Ion Ratio Lower Upper
152 100
150 158.6 127.4 191.2
115 64.7 51.9 77.9



#5
2-Fluorophenol
Concen: 134.723 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF142042.D
Acq: 21 Mar 2025 21:17

Tgt Ion:112 Resp: 1040397
Ion Ratio Lower Upper
112 100
64 55.9 46.5 69.7
63 30.5 25.4 38.2

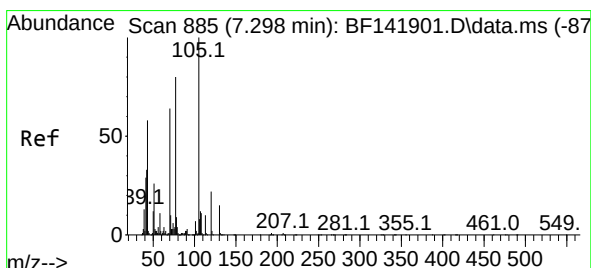
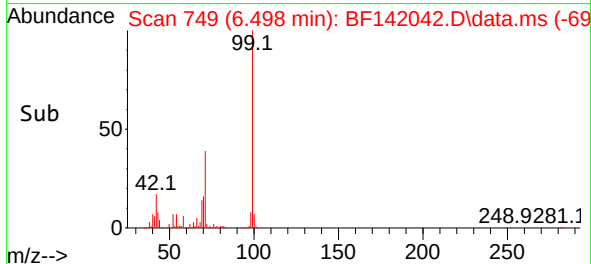
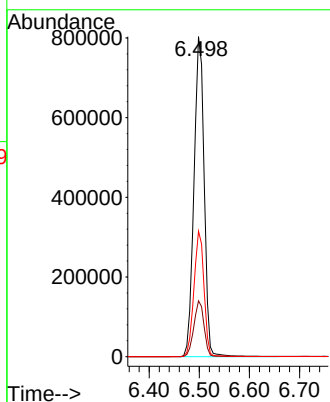
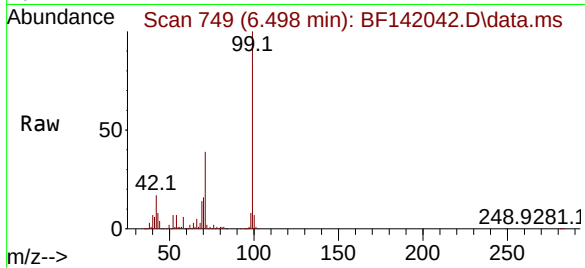




#7
Phenol-d6
Concen: 115.398 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF142042.D
Acq: 21 Mar 2025 21:17

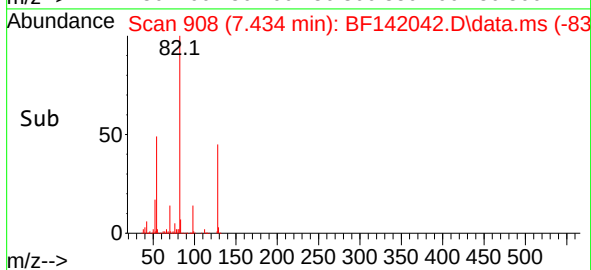
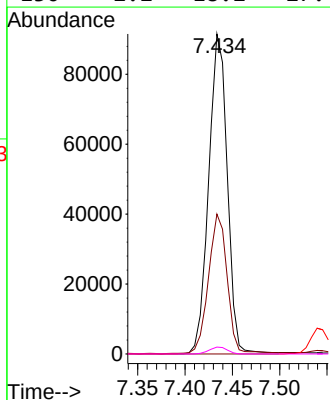
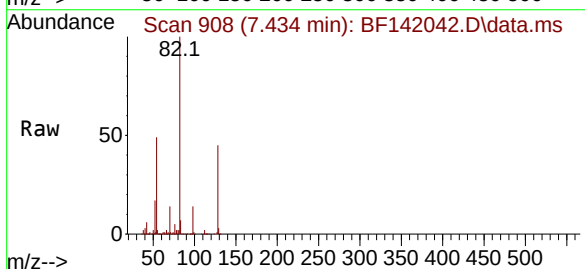
Instrument :
BNA_F
ClientSampleId :
DRUM-SOIL-CUTTING

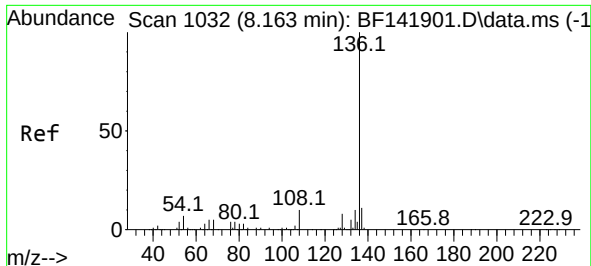
Tgt Ion: 99 Resp: 1134645
Ion Ratio Lower Upper
99 100
42 17.5 14.6 21.8
71 39.3 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 19.790 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.135 min
Lab File: BF142042.D
Acq: 21 Mar 2025 21:17

Tgt Ion: 70 Resp: 125033
Ion Ratio Lower Upper
70 100
42 43.7 41.4 62.0
101 0.0 8.2 12.2#
130 2.2 18.2 27.4#



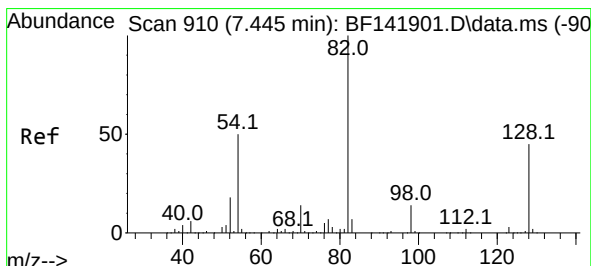
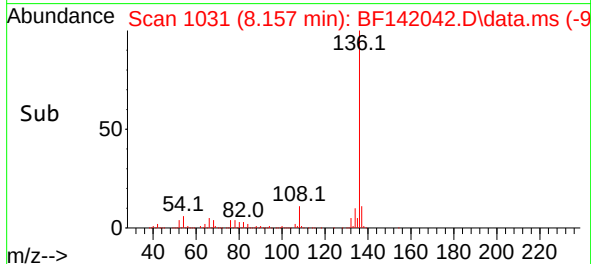
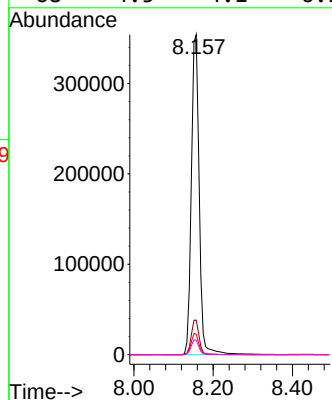
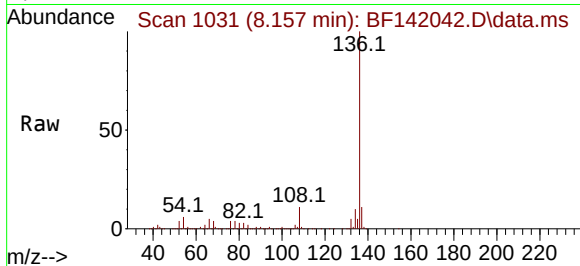


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF142042.D
Acq: 21 Mar 2025 21:17

Instrument :
BNA_F
ClientSampleId :
DRUM-SOIL-CUTTING

Tgt Ion:136 Resp: 489683

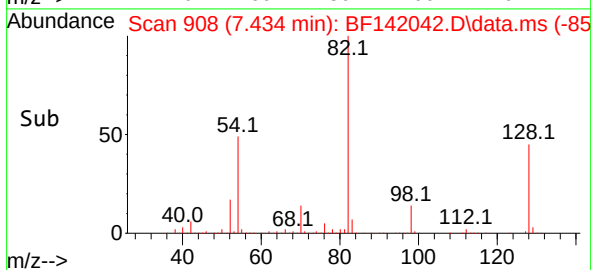
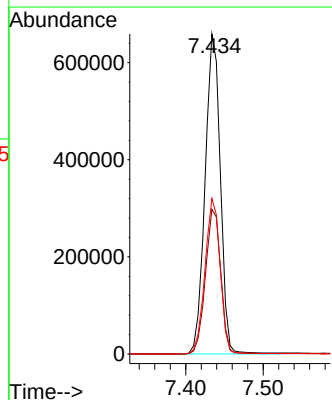
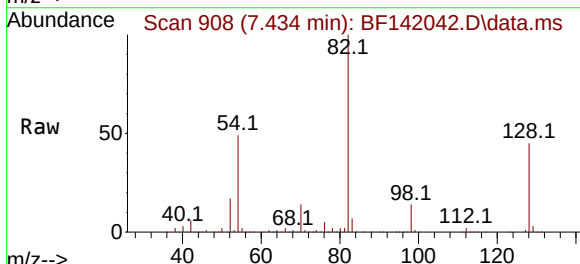
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	6.4	5.8	8.8
68	4.5	4.1	6.1

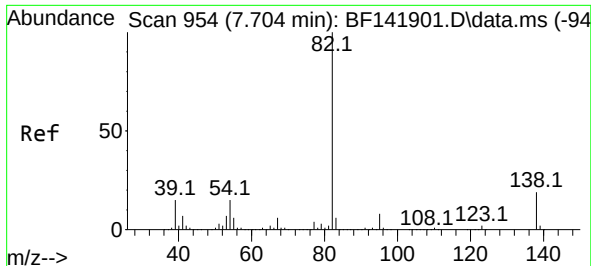


#23
Nitrobenzene-d5
Concen: 103.718 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF142042.D
Acq: 21 Mar 2025 21:17

Tgt Ion: 82 Resp: 902501

Ion	Ratio	Lower	Upper
82	100		
128	45.2	36.0	54.0
54	48.6	39.6	59.4

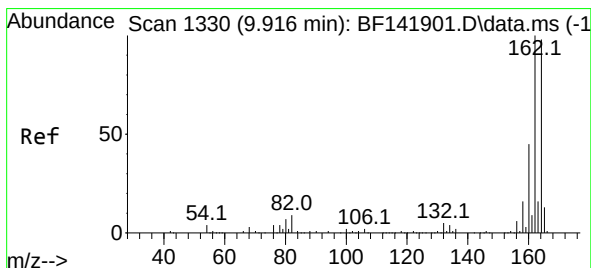
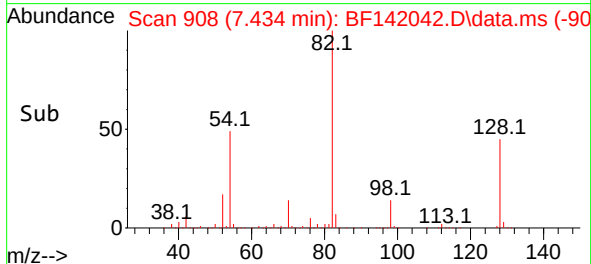
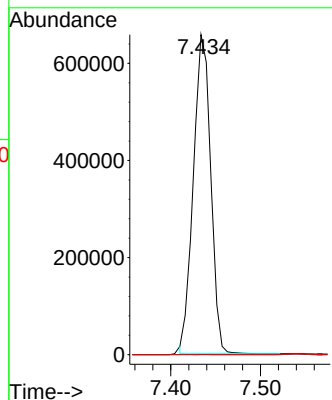
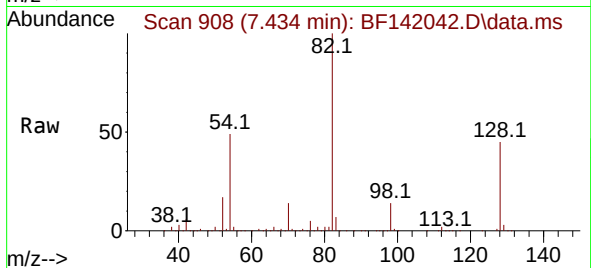




#25
Isophorone
Concen: 57.434 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.270 min
Lab File: BF142042.D
Acq: 21 Mar 2025 21:17

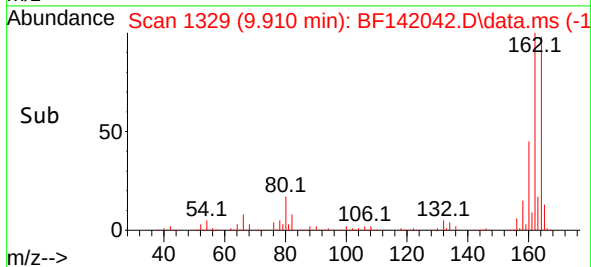
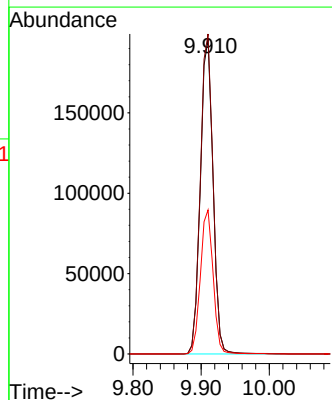
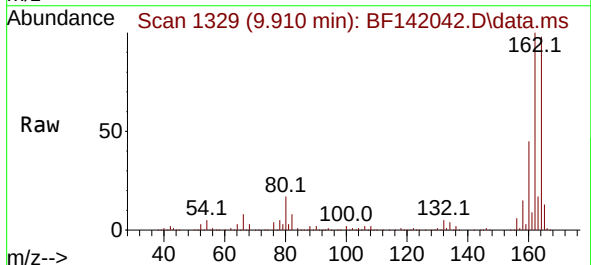
Instrument :
BNA_F
ClientSampleId :
DRUM-SOIL-CUTTING

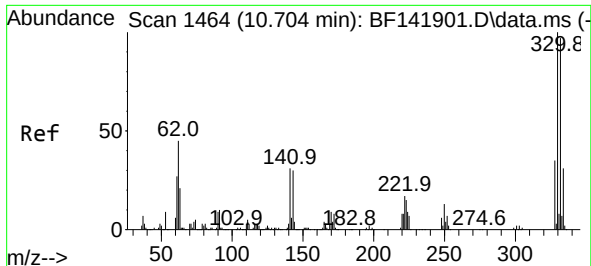
Tgt Ion: 82 Resp: 883410
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF142042.D
Acq: 21 Mar 2025 21:17

Tgt Ion:164 Resp: 252341
Ion Ratio Lower Upper
164 100
162 101.6 81.8 122.6
160 45.7 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 148.048 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF142042.D

Acq: 21 Mar 2025 21:17

Instrument :

BNA_F

ClientSampleId :

DRUM-SOIL-CUTTING

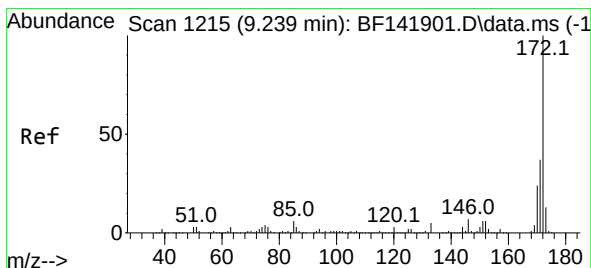
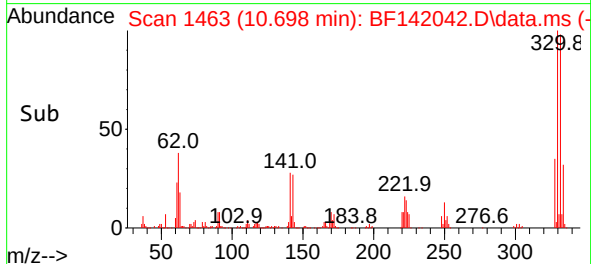
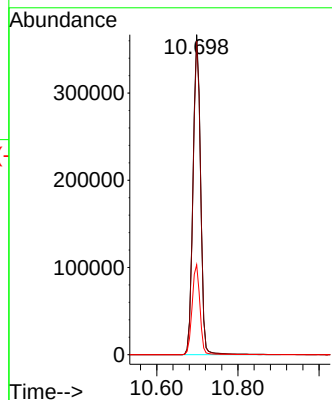
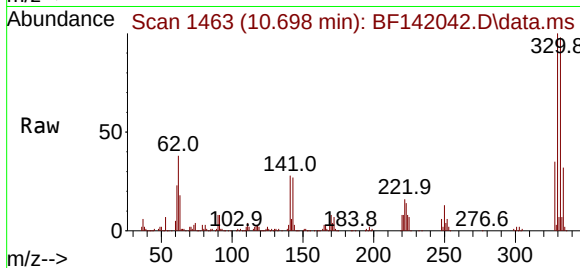
Tgt Ion:330 Resp: 473944

Ion Ratio Lower Upper

330 100

332 98.1 77.6 116.4

141 29.0 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 106.870 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF142042.D

Acq: 21 Mar 2025 21:17

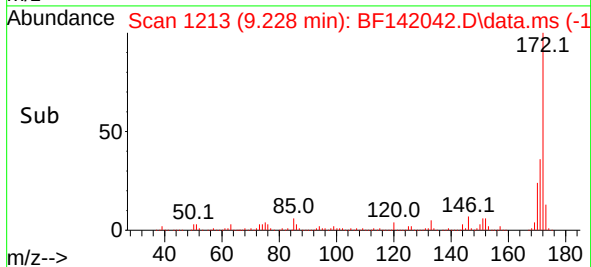
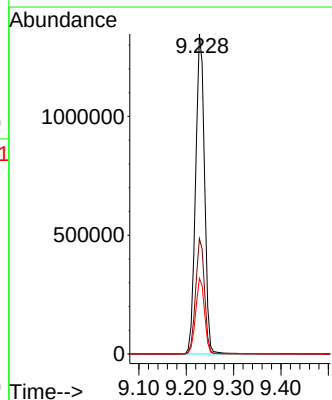
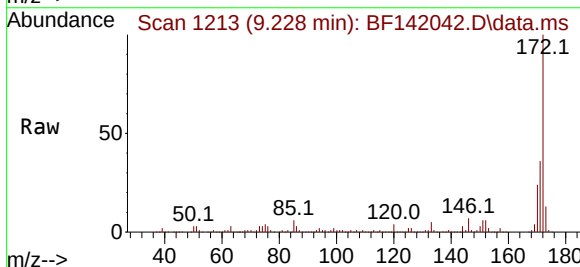
Tgt Ion:172 Resp: 1773237

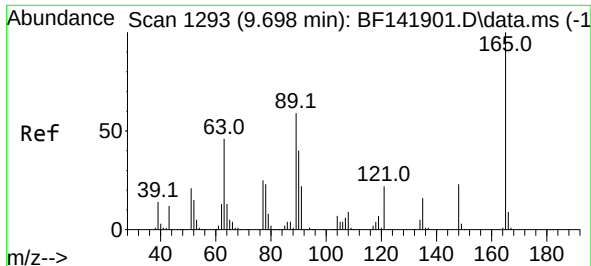
Ion Ratio Lower Upper

172 100

171 36.0 29.3 43.9

170 23.6 19.4 29.0

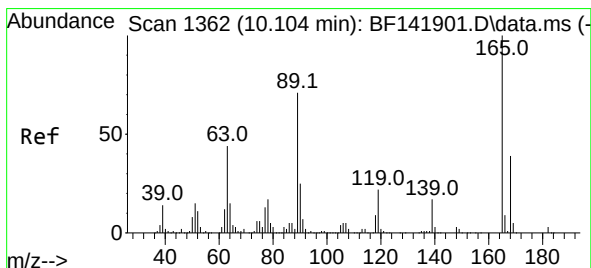
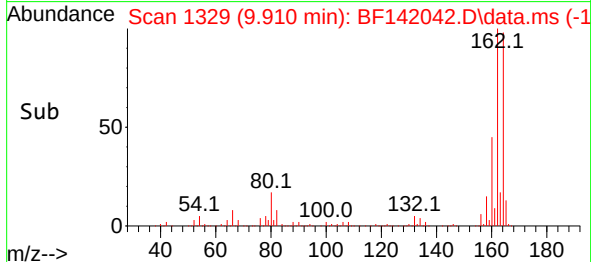
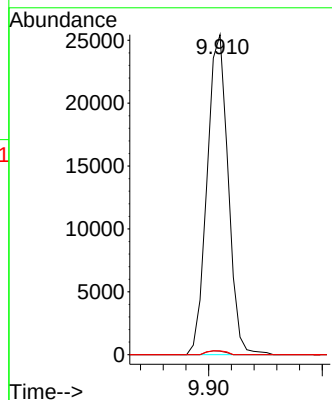
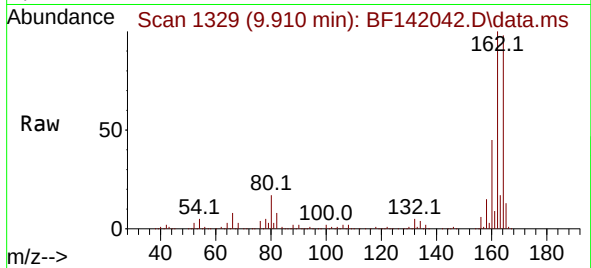




#51
2,6-Dinitrotoluene
Concen: 8.887 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF142042.D
Acq: 21 Mar 2025 21:17

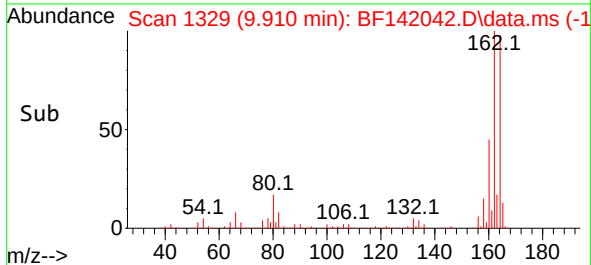
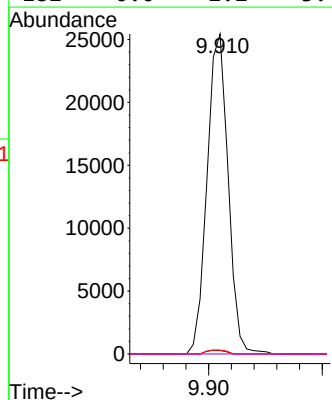
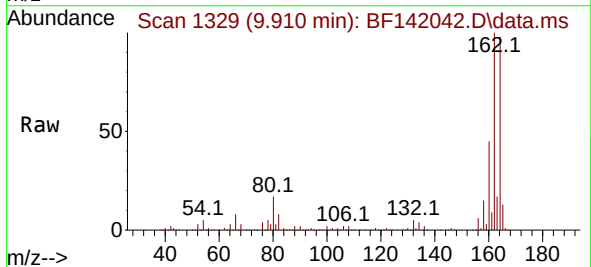
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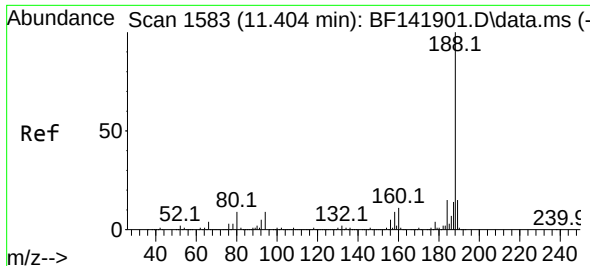
Tgt Ion:165 Resp: 32696
Ion Ratio Lower Upper
165 100
63 1.1 47.0 70.4#
89 1.2 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.804 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.194 min
Lab File: BF142042.D
Acq: 21 Mar 2025 21:17

Tgt Ion:165 Resp: 32696
Ion Ratio Lower Upper
165 100
63 1.1 35.4 53.2#
89 1.2 56.6 84.8#
182 0.0 2.2 3.4#

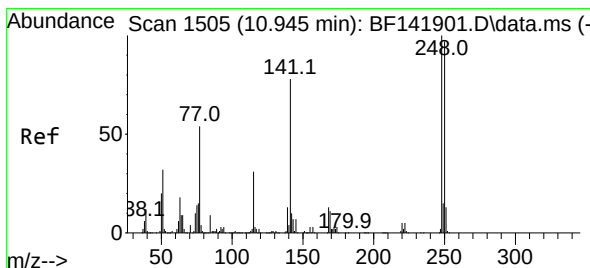
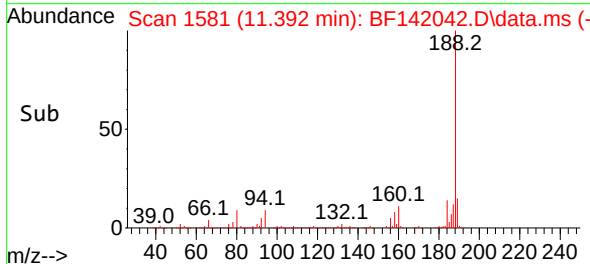
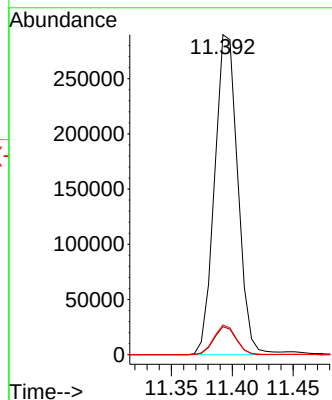
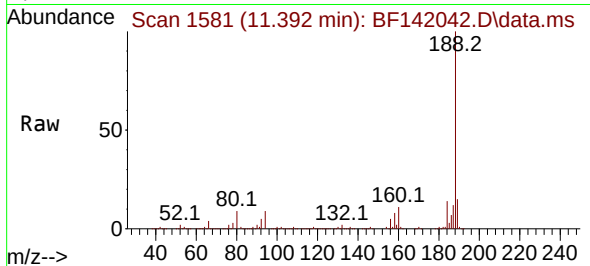




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142042.D
Acq: 21 Mar 2025 21:17

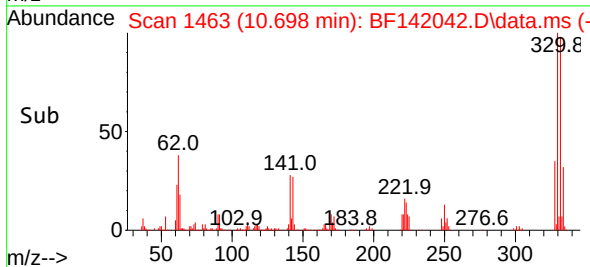
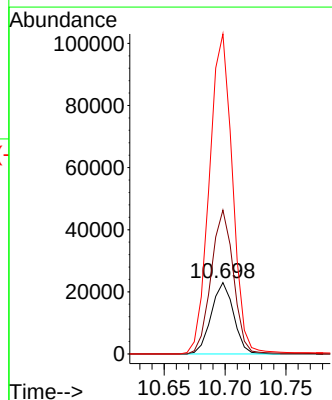
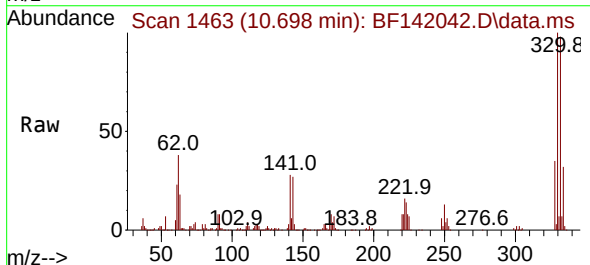
Instrument :
BNA_F
ClientSampleId :
DRUM-SOIL-CUTTING

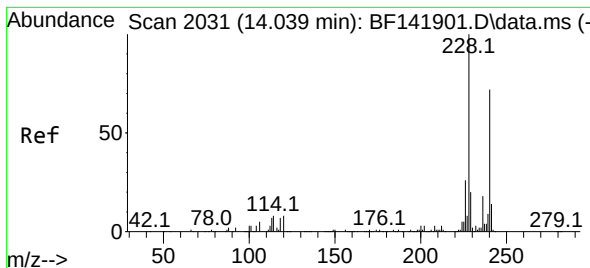
Tgt Ion:188 Resp: 384027
Ion Ratio Lower Upper
188 100
94 8.7 6.8 10.2
80 9.3 7.6 11.4



#67
4-Bromophenyl-phenylether
Concen: 6.084 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF142042.D
Acq: 21 Mar 2025 21:17

Tgt Ion:248 Resp: 29341
Ion Ratio Lower Upper
248 100
250 201.5 77.8 116.8#
141 448.4 62.6 93.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF142042.D

Acq: 21 Mar 2025 21:17

Instrument :

BNA_F

ClientSampleId :

DRUM-SOIL-CUTTING

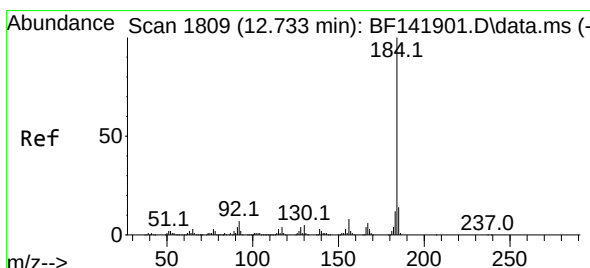
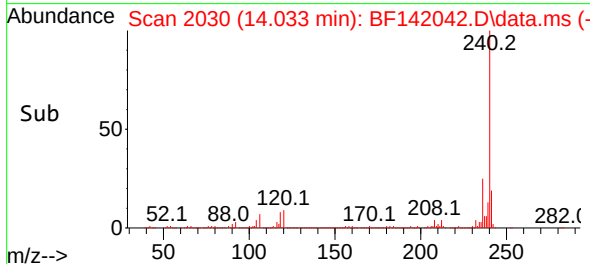
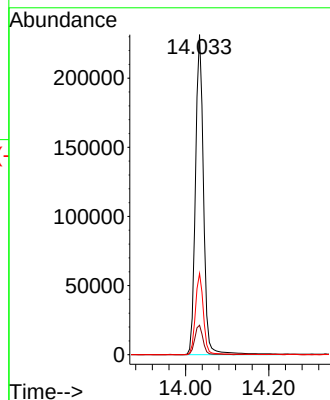
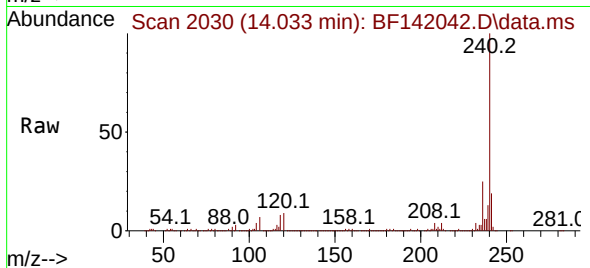
Tgt Ion:240 Resp: 311434

Ion Ratio Lower Upper

240 100

120 9.2 8.4 12.6

236 25.4 20.5 30.7



#77

Benidine

Concen: 6.153 ng

RT: 12.980 min Scan# 1851

Delta R.T. 0.247 min

Lab File: BF142042.D

Acq: 21 Mar 2025 21:17

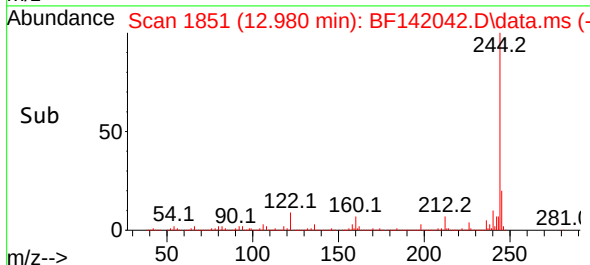
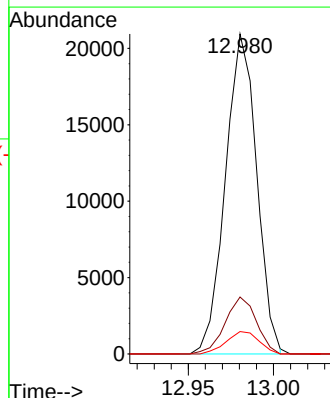
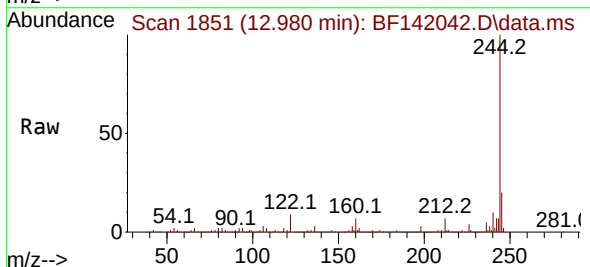
Tgt Ion:184 Resp: 26734

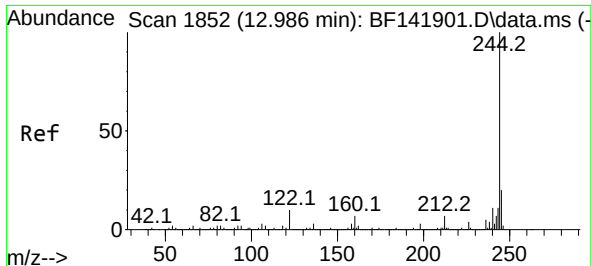
Ion Ratio Lower Upper

184 100

185 17.8 11.5 17.3#

183 7.0 9.7 14.5#

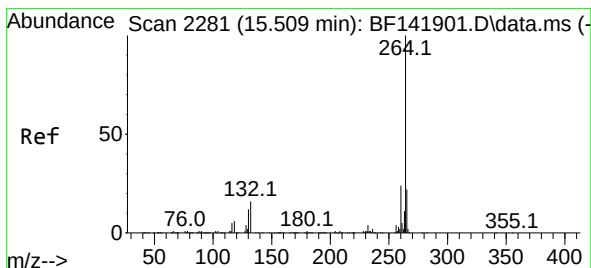
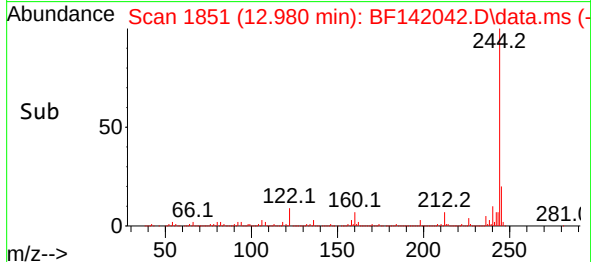
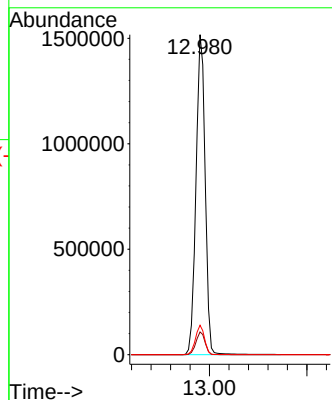
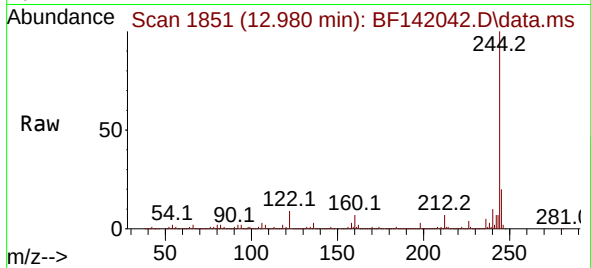




#79
 Terphenyl-d14
 Concen: 94.849 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF142042.D
 Acq: 21 Mar 2025 21:17

Instrument :
 BNA_F
 ClientSampleId :
 DRUM-SOIL-CUTTING

Tgt Ion:244 Resp: 1997990
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 9.2 7.7 11.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.510 min Scan# 2281
 Delta R.T. 0.000 min
 Lab File: BF142042.D
 Acq: 21 Mar 2025 21:17

Tgt Ion:264 Resp: 259099
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.1 28.7
 265 21.0 17.5 26.3

