

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080625\
 Data File : BF143330.D
 Acq On : 06 Aug 2025 15:16
 Operator : RC/JU
 Sample : Q2772-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 500-3B-SOIL

Quant Time: Aug 06 15:45:36 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

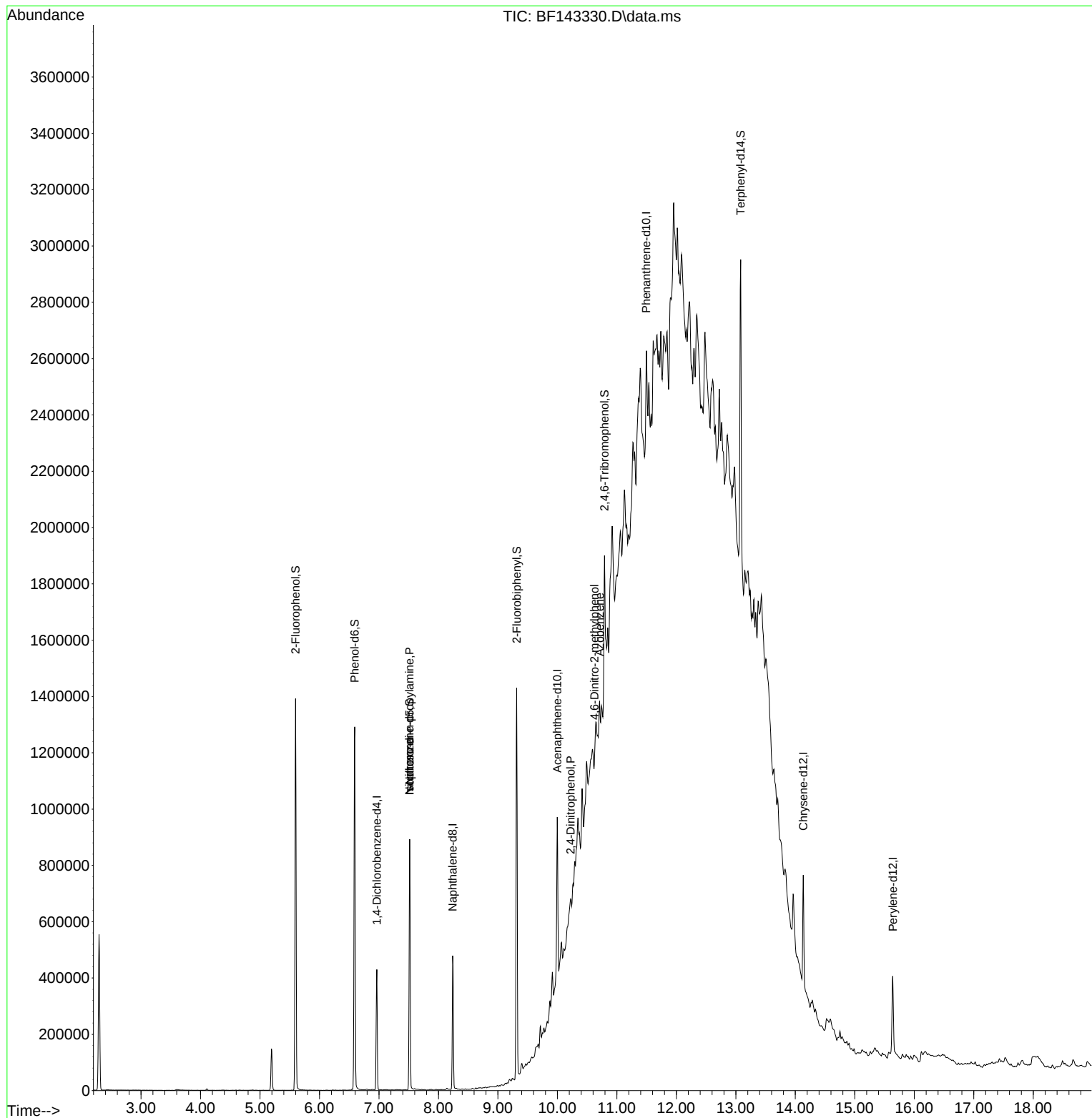
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	85738	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	300091	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	123090	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	180152	20.000	ng	# 0.00
76) Chrysene-d12	14.133	240	192253	20.000	ng	0.01
86) Perylene-d12	15.639	264	171390	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.598	112	495283	91.414	ng	0.01
7) Phenol-d6	6.592	99	602509	88.350	ng	0.00
23) Nitrobenzene-d5	7.516	82	379903	63.104	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	116811	91.862	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	612168	68.016	ng	0.00
79) Terphenyl-d14	13.080	244	540898	41.867	ng	0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.516	70	51260	11.716	ng	# 79
25) Isophorone	7.516	82	376159	35.394	ng	# 66
54) 2,4-Dinitrophenol	10.221	184	55	6.732	ng	# 49
63) Azobenzene	10.710	77	26441	3.199	ng	# 10
65) 4,6-Dinitro-2-methylph...	10.621	198	790	6.155	ng	# 1

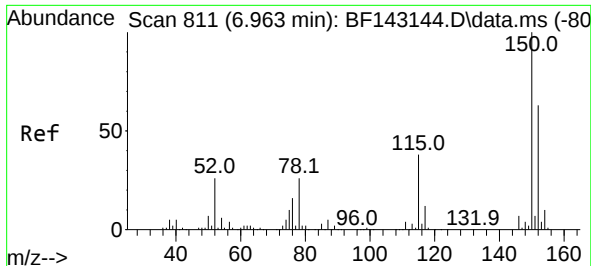
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080625\
Data File : BF143330.D
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Operator : RC/JU
Sample : Q2772-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
500-3B-SOIL

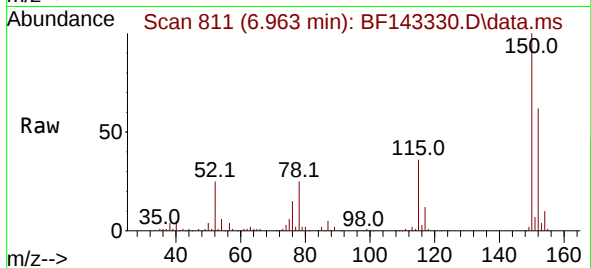
Quant Time: Aug 06 15:45:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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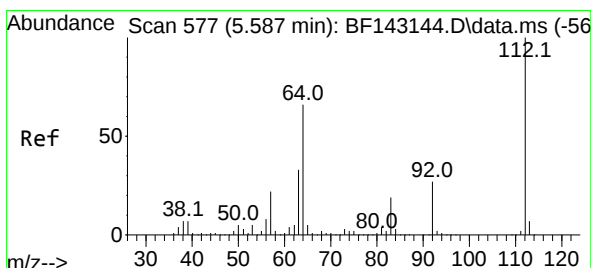
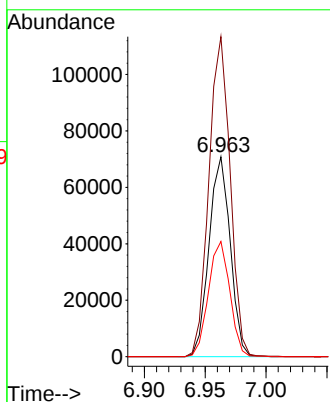
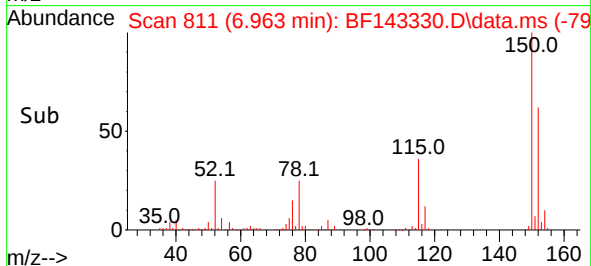


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF143330.D
Acq: 06 Aug 2025 15:16

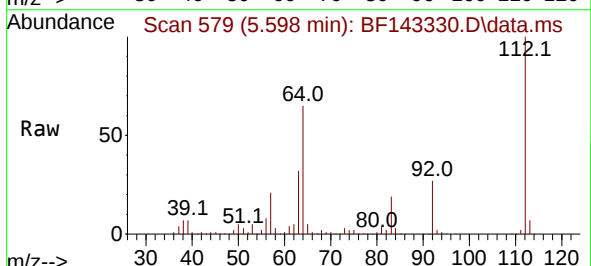
Instrument :
BNA_F
ClientSampleId :
500-3B-SOIL



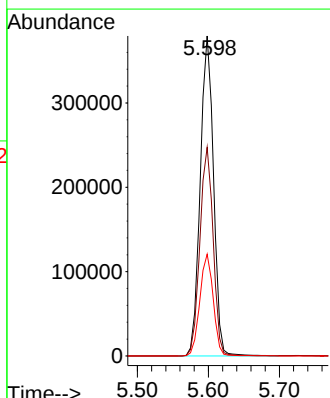
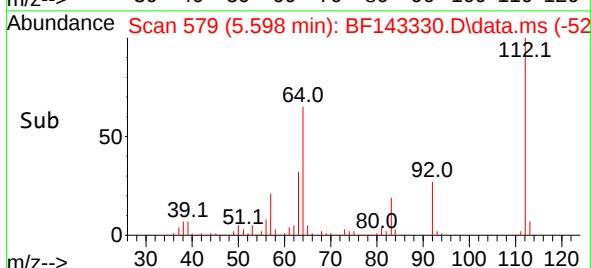
Tgt Ion:152 Resp: 85738
Ion Ratio Lower Upper
152 100
150 160.2 128.2 192.4
115 57.7 47.9 71.9

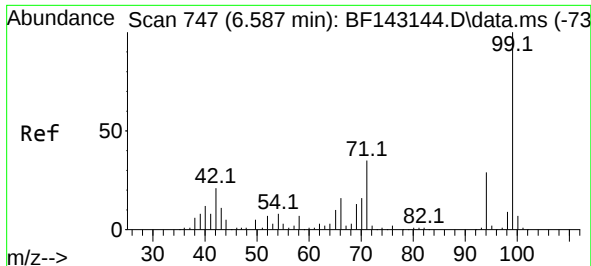


#5
2-Fluorophenol
Concen: 91.414 ng
RT: 5.598 min Scan# 579
Delta R.T. 0.012 min
Lab File: BF143330.D
Acq: 06 Aug 2025 15:16



Tgt Ion:112 Resp: 495283
Ion Ratio Lower Upper
112 100
64 65.2 53.1 79.7
63 31.8 26.6 40.0

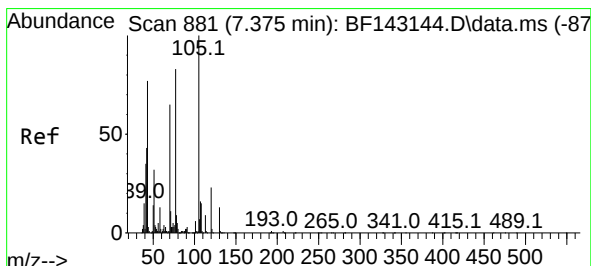
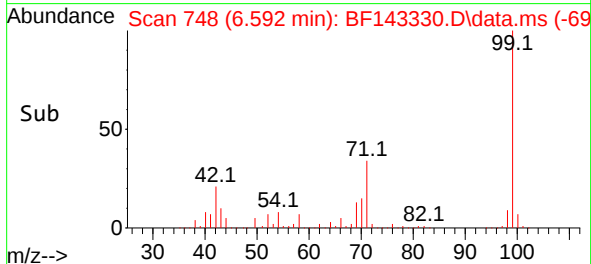
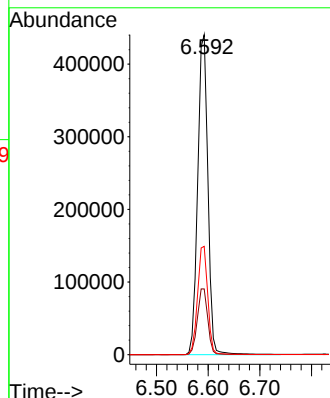
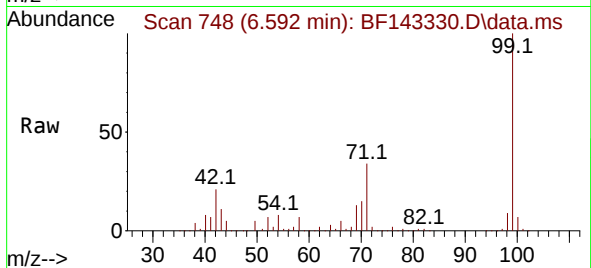




#7
Phenol-d6
Concen: 88.350 ng
RT: 6.592 min Scan# 74
Delta R.T. 0.006 min
Lab File: BF143330.D
Acq: 06 Aug 2025 15:16

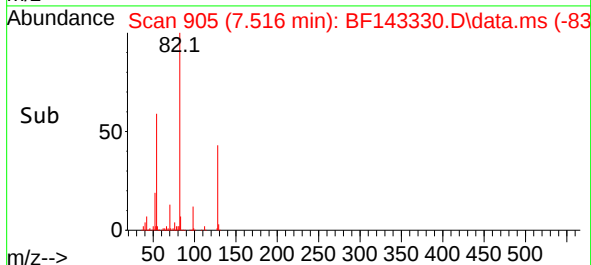
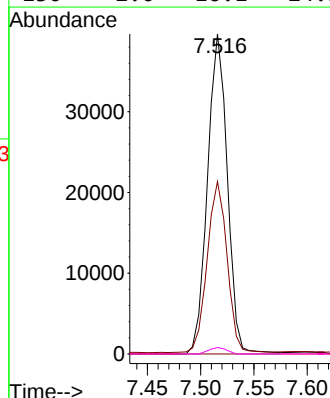
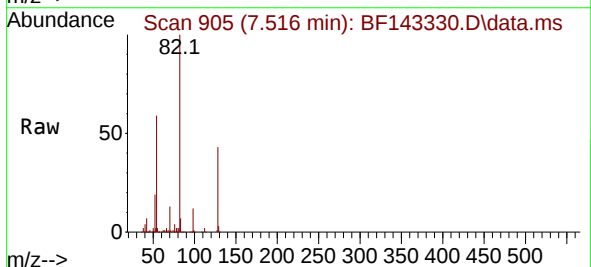
Instrument :
BNA_F
ClientSampleId :
500-3B-SOIL

Tgt Ion: 99 Resp: 602509
Ion Ratio Lower Upper
99 100
42 20.6 17.0 25.6
71 33.8 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 11.716 ng
RT: 7.516 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF143330.D
Acq: 06 Aug 2025 15:16

Tgt Ion: 70 Resp: 51260
Ion Ratio Lower Upper
70 100
42 53.9 52.5 78.7
101 0.0 7.6 11.4#
130 2.0 16.1 24.1#

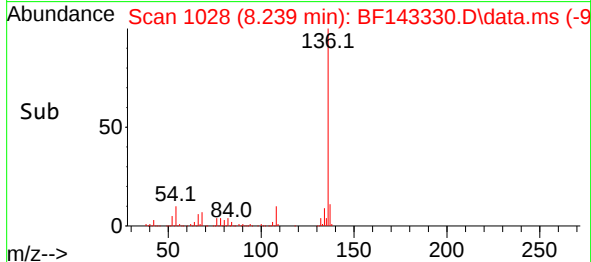
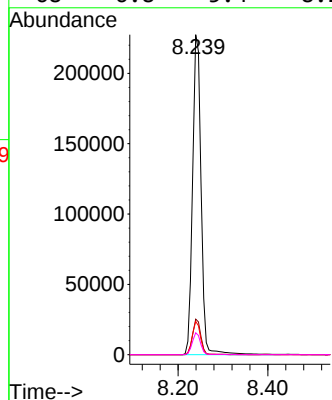
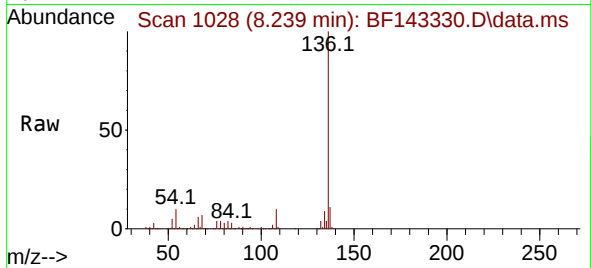




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143330.D
Acq: 06 Aug 2025 15:16

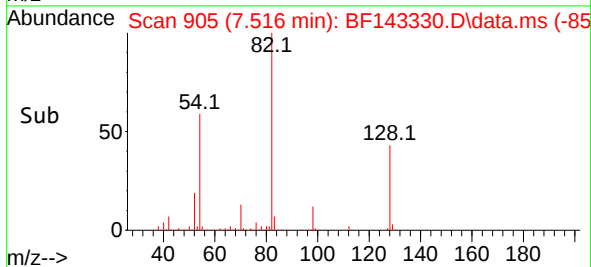
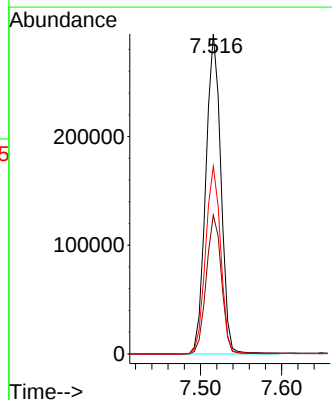
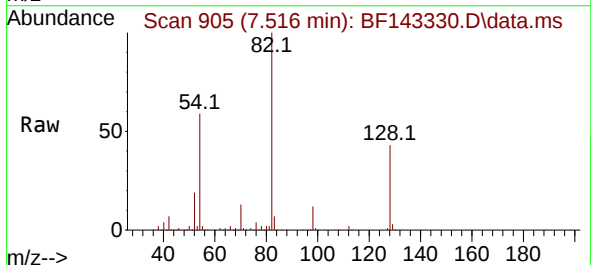
Instrument :
BNA_F
ClientSampleId :
500-3B-SOIL

Tgt Ion:136	Resp: 300091
Ion Ratio	Lower Upper
136 100	
137 11.1	8.6 13.0
54 10.4	8.2 12.2
68 6.8	5.4 8.2



#23
Nitrobenzene-d5
Concen: 63.104 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF143330.D
Acq: 06 Aug 2025 15:16

Tgt Ion: 82	Resp: 379903
Ion Ratio	Lower Upper
82 100	
128 43.4	33.6 50.4
54 58.6	47.1 70.7

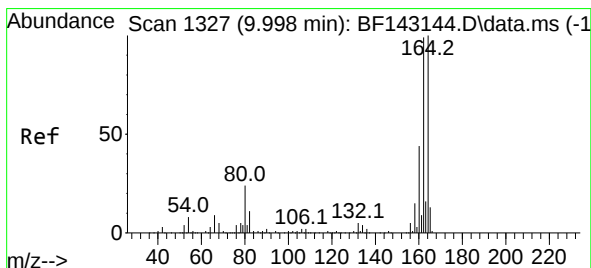
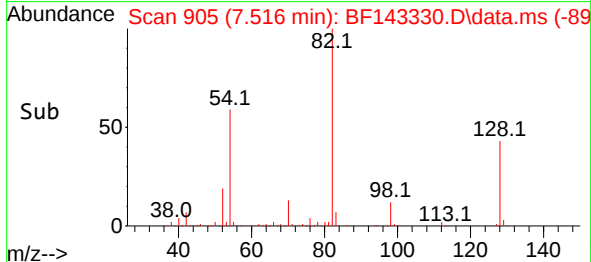
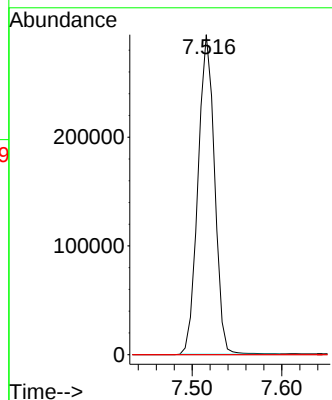
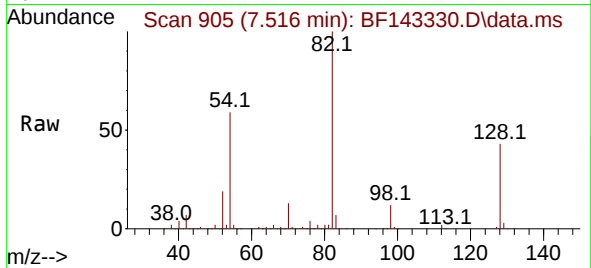




#25
Isophorone
Concen: 35.394 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.265 min
Lab File: BF143330.D
Acq: 06 Aug 2025 15:16

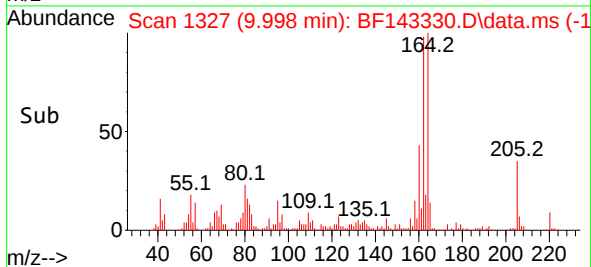
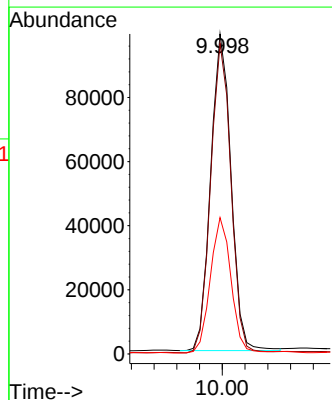
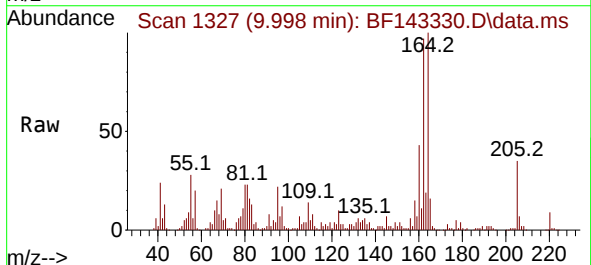
Instrument :
BNA_F
ClientSampleId :
500-3B-SOIL

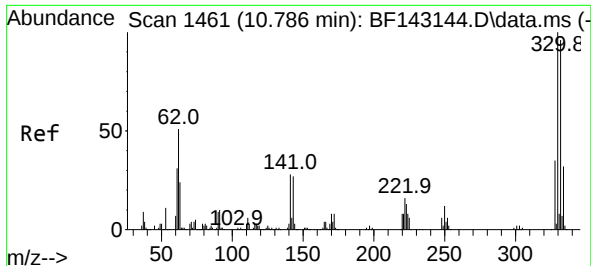
Tgt Ion: 82 Resp: 376159
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BF143330.D
Acq: 06 Aug 2025 15:16

Tgt Ion: 164 Resp: 123090
Ion Ratio Lower Upper
164 100
162 97.1 79.0 118.6
160 42.6 35.1 52.7

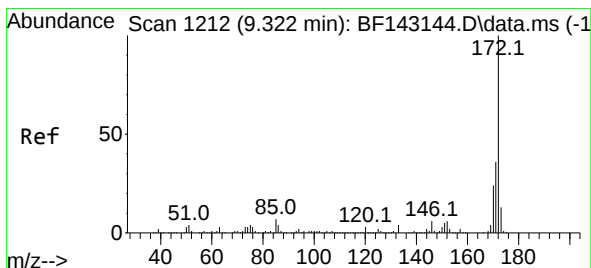
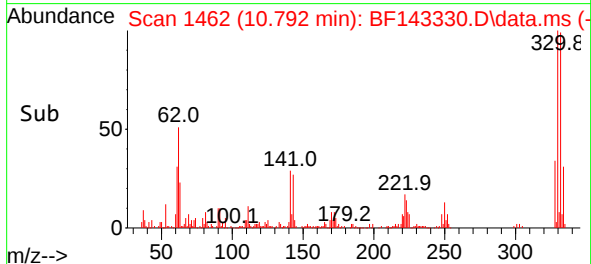
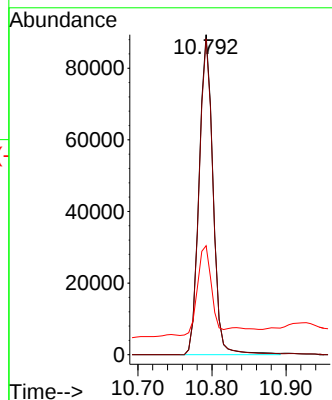
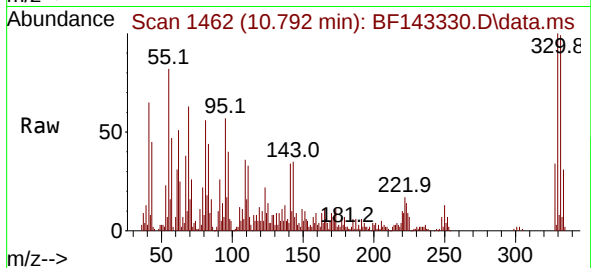




#42
2,4,6-Tribromophenol
Concen: 91.862 ng
RT: 10.792 min Scan# 1461
Delta R.T. 0.006 min
Lab File: BF143330.D
Acq: 06 Aug 2025 15:16

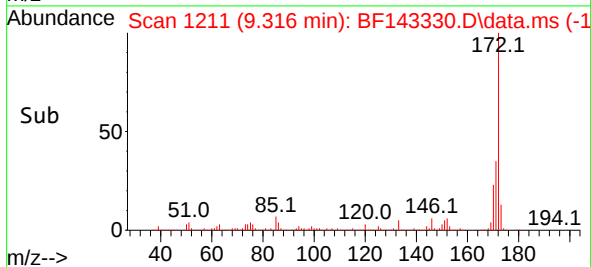
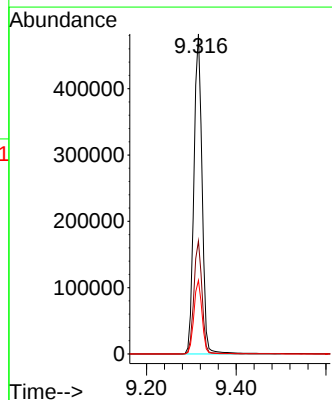
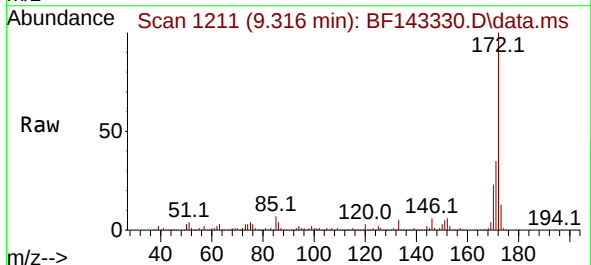
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ClientSampleId :
500-3B-SOIL

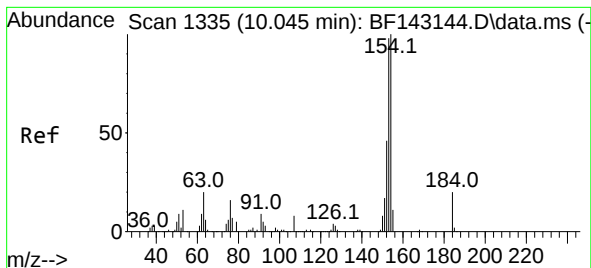
Tgt Ion:330 Resp: 116811
Ion Ratio Lower Upper
330 100
332 98.6 76.7 115.1
141 28.1 23.3 34.9



#45
2-Fluorobiphenyl
Concen: 68.016 ng
RT: 9.316 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF143330.D
Acq: 06 Aug 2025 15:16

Tgt Ion:172 Resp: 612168
Ion Ratio Lower Upper
172 100
171 35.3 28.6 42.8
170 23.0 18.8 28.2

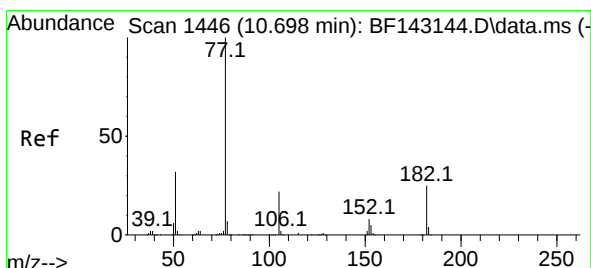
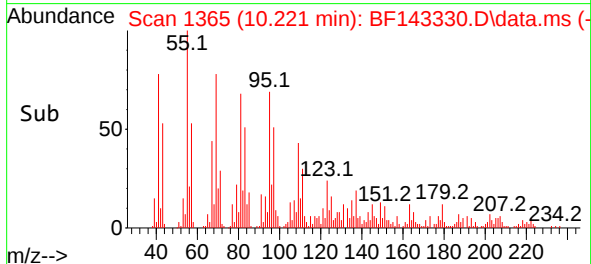
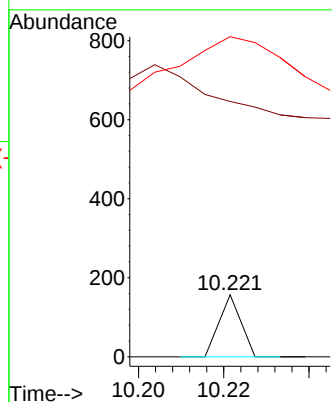
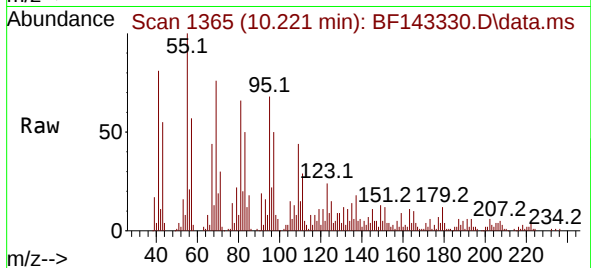




#54
2,4-Dinitrophenol
Concen: 6.732 ng
RT: 10.221 min Scan# 11
Delta R.T. 0.176 min
Lab File: BF143330.D
Acq: 06 Aug 2025 15:16

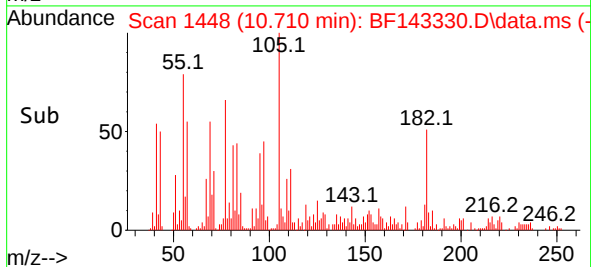
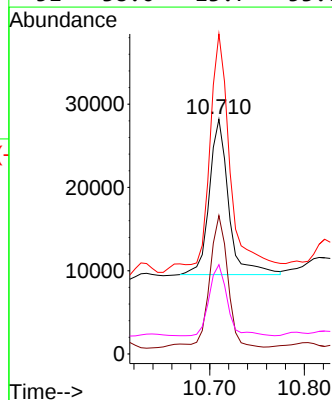
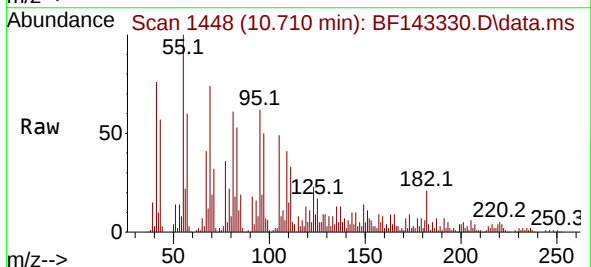
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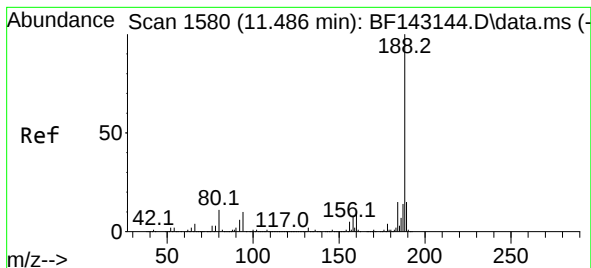
Tgt Ion:184 Resp: 55
Ion Ratio Lower Upper
184 100
63 411.5 81.8 122.6#
154 515.9 412.2 618.4



#63
Azobenzene
Concen: 3.199 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.012 min
Lab File: BF143330.D
Acq: 06 Aug 2025 15:16

Tgt Ion: 77 Resp: 26441
Ion Ratio Lower Upper
77 100
182 59.0 4.6 44.6#
105 136.3 1.4 41.4#
51 38.0 13.7 53.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.492 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF143330.D

Acq: 06 Aug 2025 15:16

Instrument :

BNA_F

ClientSampleId :

500-3B-SOIL

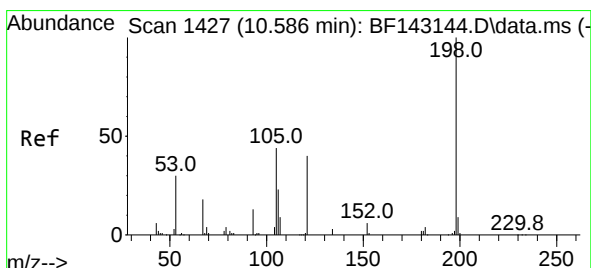
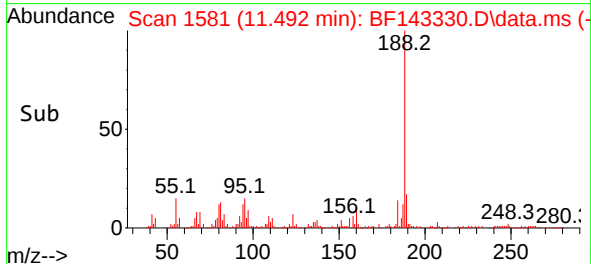
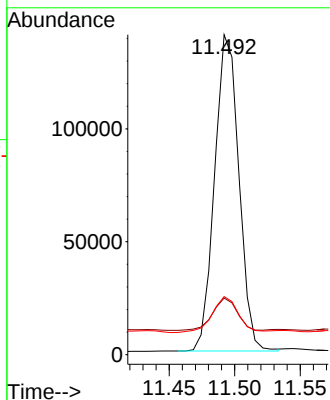
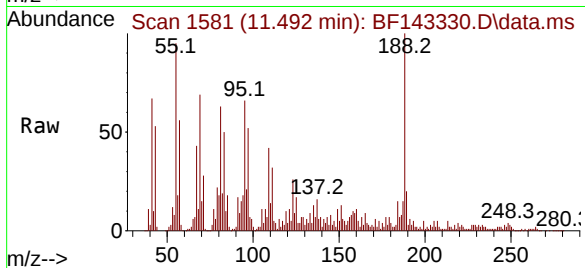
Tgt Ion:188 Resp: 180152

Ion Ratio Lower Upper

188 100

94 17.7 8.3 12.5#

80 18.1 9.0 13.6#



#65

4,6-Dinitro-2-methylphenol

Concen: 6.155 ng

RT: 10.621 min Scan# 1433

Delta R.T. 0.035 min

Lab File: BF143330.D

Acq: 06 Aug 2025 15:16

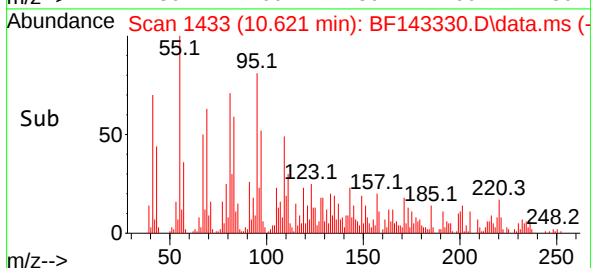
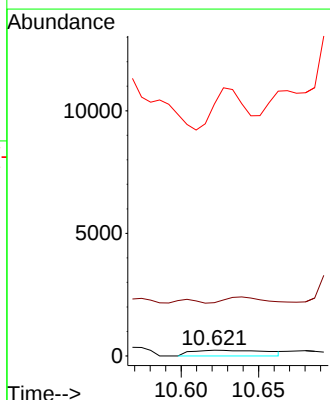
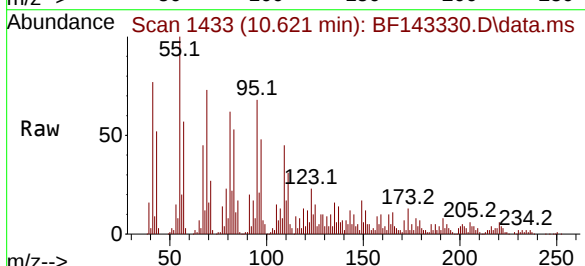
Tgt Ion:198 Resp: 790

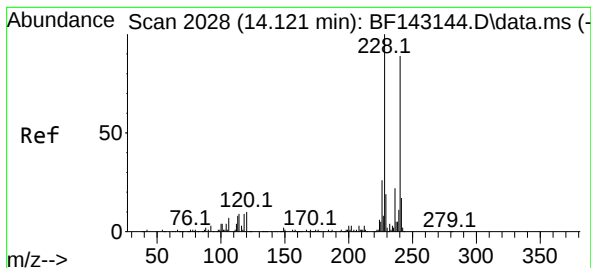
Ion Ratio Lower Upper

198 100

51 916.0 37.2 77.2#

105 4333.8 24.8 64.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.133 min Scan# 2028

Delta R.T. 0.012 min

Lab File: BF143330.D

Acq: 06 Aug 2025 15:16

Instrument :

BNA_F

ClientSampleId :

500-3B-SOIL

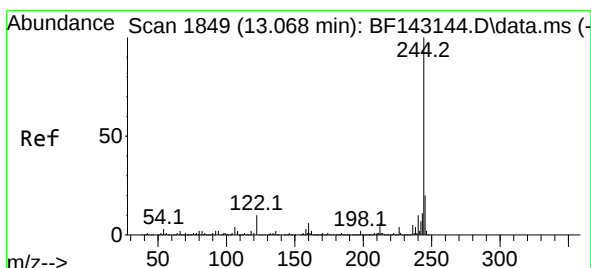
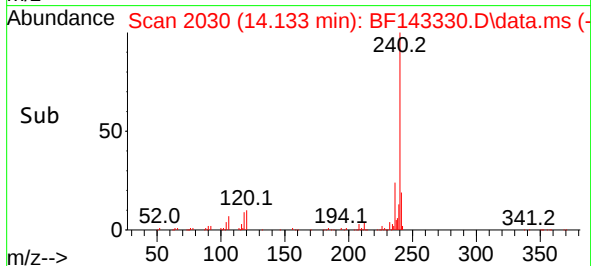
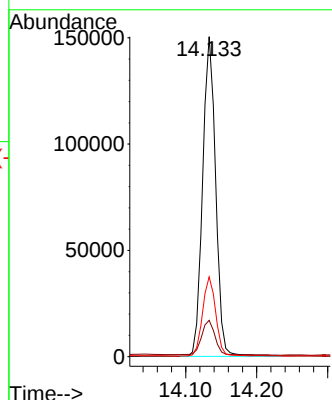
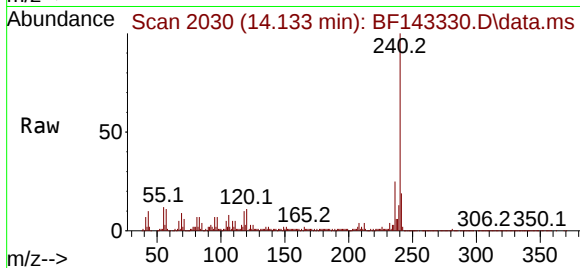
Tgt Ion:240 Resp: 192253

Ion Ratio Lower Upper

240 100

120 11.4 9.4 14.2

236 25.0 20.2 30.4



#79

Terphenyl-d14

Concen: 41.867 ng

RT: 13.080 min Scan# 1851

Delta R.T. 0.012 min

Lab File: BF143330.D

Acq: 06 Aug 2025 15:16

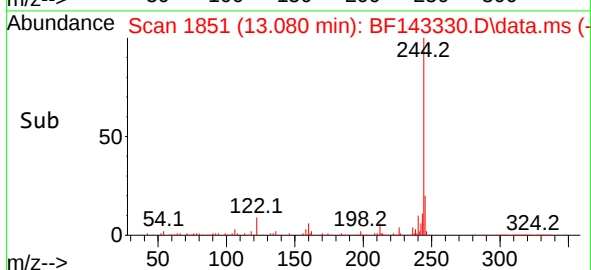
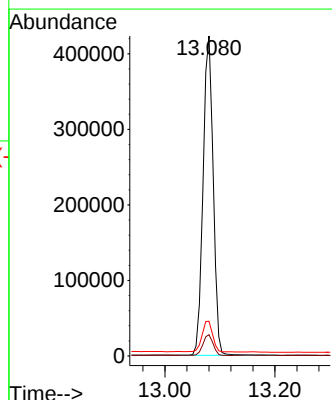
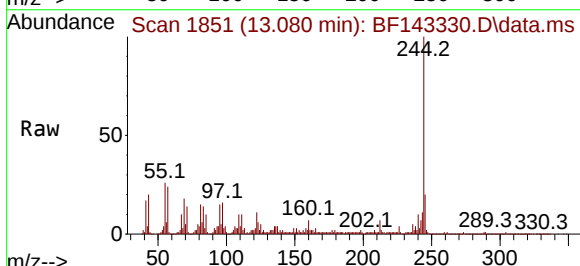
Tgt Ion:244 Resp: 540898

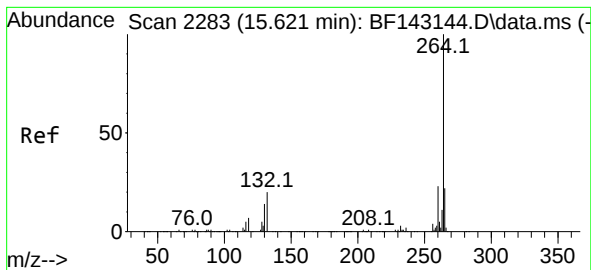
Ion Ratio Lower Upper

244 100

212 6.7 5.2 7.8

122 10.8 8.2 12.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.639 min Scan# 21

Delta R.T. 0.017 min

Lab File: BF143330.D

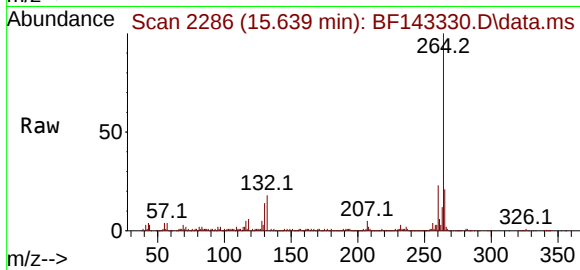
Acq: 06 Aug 2025 15:16

Instrument :

BNA_F

ClientSampleId :

500-3B-SOIL



Tgt Ion:264 Resp: 171390

Ion Ratio Lower Upper

264 100

260 22.6 18.5 27.7

265 21.4 17.4 26.2

