

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071125\
 Data File : BP025101.D
 Acq On : 11 Jul 2025 12:55
 Operator : CG/JU
 Sample : Q2126-02
 Misc : LOQ-SOIL-10 PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT2-2025

Quant Time: Jul 11 13:27:30 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 03 16:05:44 2025
 Response via : Initial Calibration

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

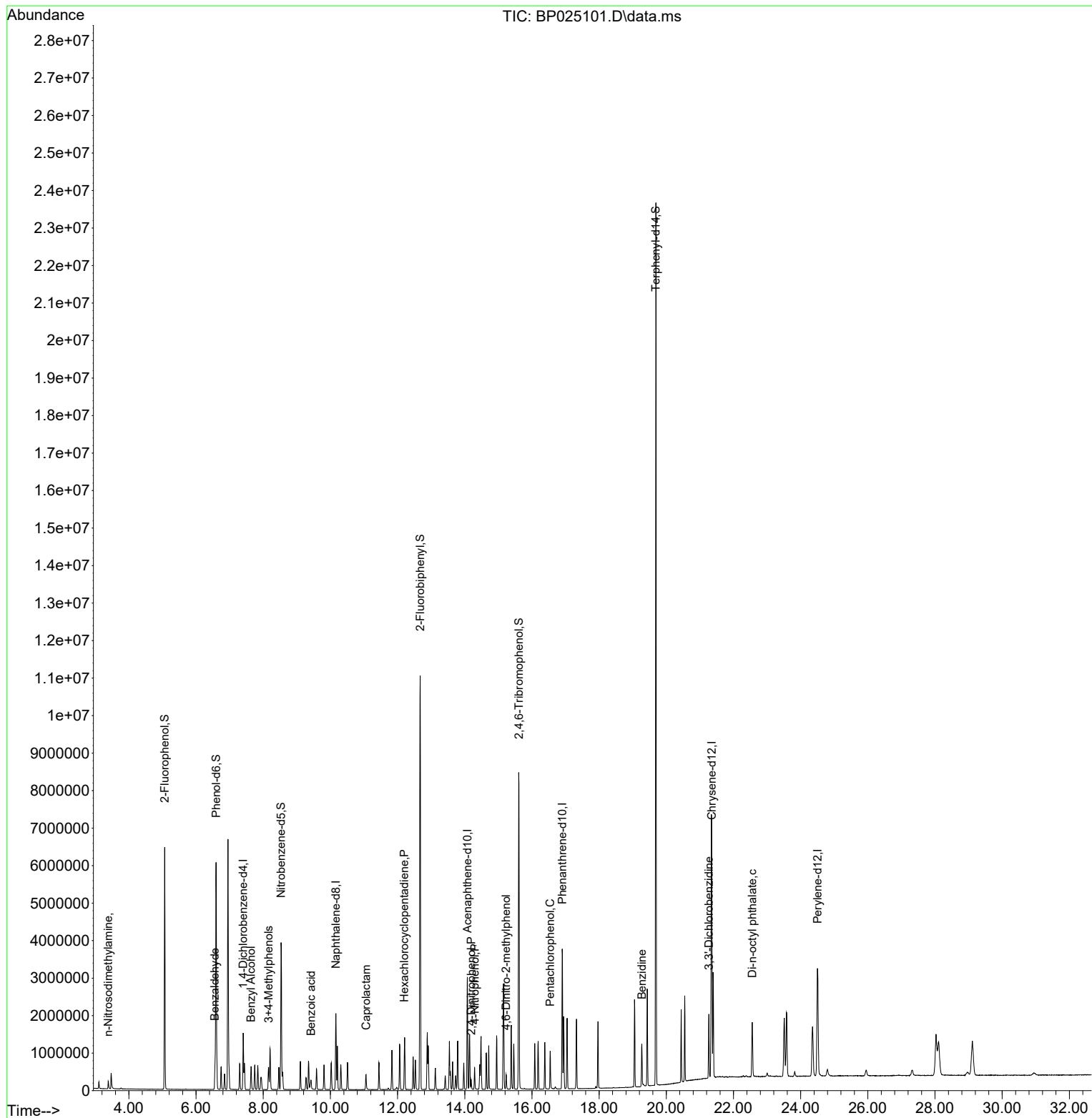
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.402	152	404330	20.000	ng	-0.04
21) Naphthalene-d8	10.160	136	1667537	20.000	ng	-0.02
39) Acenaphthene-d10	14.078	164	1115773	20.000	ng	-0.01
64) Phenanthrene-d10	16.901	188	2297818	20.000	ng	0.00
76) Chrysene-d12	21.354	240	2630205	20.000	ng	0.01
86) Perylene-d12	24.501	264	2869219	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.066	112	2760940	120.990	ng	-0.03
7) Phenol-d6	6.596	99	3585184	120.392	ng	-0.04
23) Nitrobenzene-d5	8.531	82	2360862	94.156	ng	-0.04
42) 2,4,6-Tribromophenol	15.613	330	1952530	148.132	ng	0.00
45) 2-Fluorobiphenyl	12.672	172	6463334	89.738	ng	-0.02
79) Terphenyl-d14	19.689	244	10849593	90.659	ng	0.02
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.384	42	94157	9.154	ng	# 97
9) Benzaldehyde	6.560	77	212317	13.652	ng	98
15) Benzyl Alcohol	7.637	79	202166	10.171	ng	97
20) 3+4-Methylphenols	8.160	107	268057	9.819	ng	97
32) Benzoic acid	9.425	122	137218	13.046	ng	94
35) Caprolactam	11.060	113	80332	9.688	ng	99
41) Hexachlorocyclopentadiene	12.201	237	143285	17.106	ng	98
54) 2,4-Dinitrophenol	14.189	184	59331	12.818	ng	96
56) 4-Nitrophenol	14.295	139	145313	9.646	ng	95
65) 4,6-Dinitro-2-methylph...	15.231	198	88750	13.080	ng	95
70) Pentachlorophenol	16.542	266	180546	9.296	ng	99
77) Benzidine	19.272	184	712796	15.344	ng	97
82) 3,3'-Dichlorobenzidine	21.266	252	560683	11.685	ng	99
85) Di-n-octyl phthalate	22.560	149	1492309	14.408	ng	99

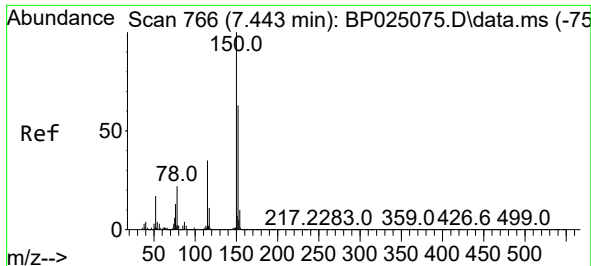
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071125\
Data File : BP025101.D
Acq On : 11 Jul 2025 12:55
Operator : CG/JU
Sample : Q2126-02
Misc : LOQ-SOIL-10 PPM
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

Quant Time: Jul 11 13:27:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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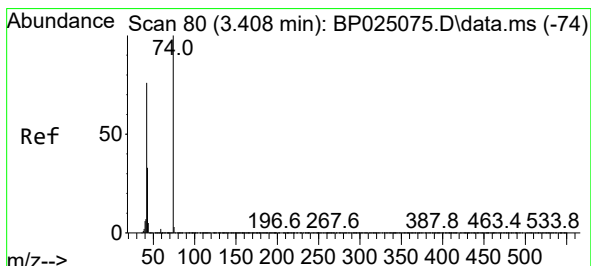
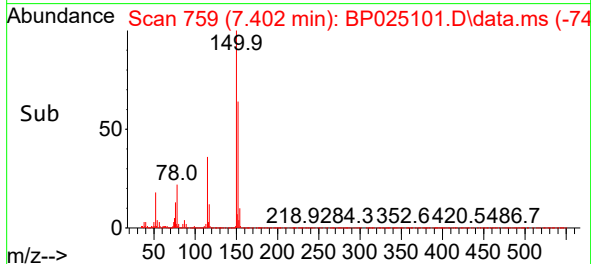
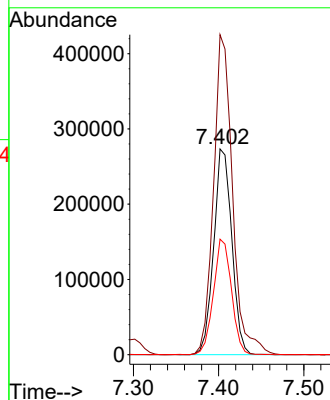
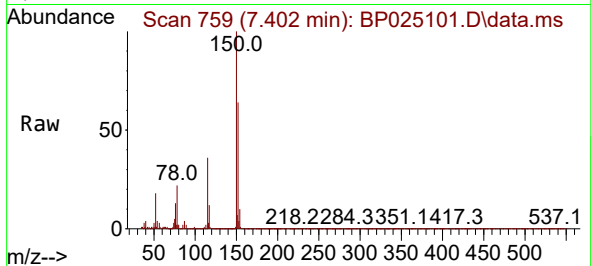




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.402 min Scan# 71
Delta R.T. -0.041 min
Lab File: BP025101.D
Acq: 11 Jul 2025 12:55

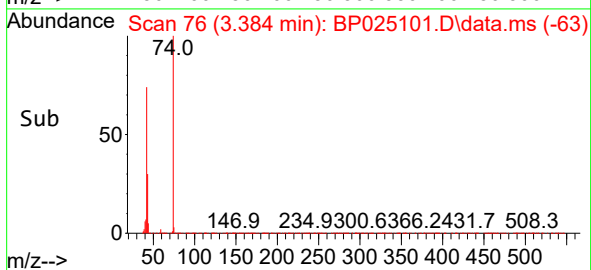
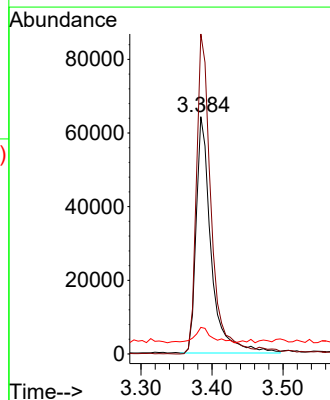
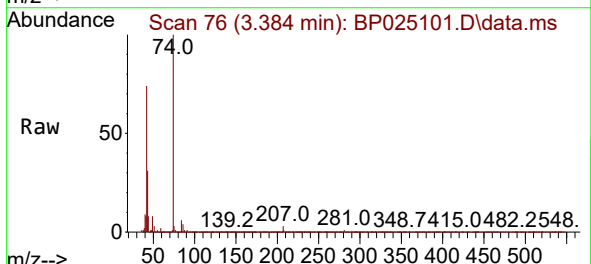
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

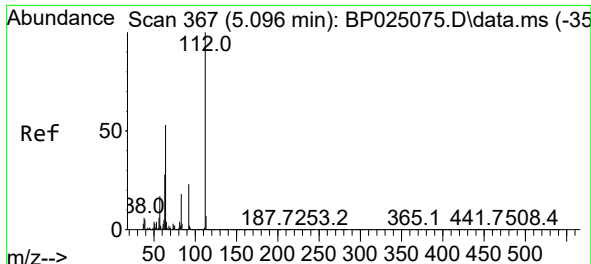
Tgt Ion:152 Resp: 404330
Ion Ratio Lower Upper
152 100
150 155.5 126.1 189.1
115 56.1 44.3 66.5



#4
n-Nitrosodimethylamine
Concen: 9.154 ng
RT: 3.384 min Scan# 76
Delta R.T. -0.023 min
Lab File: BP025101.D
Acq: 11 Jul 2025 12:55

Tgt Ion: 42 Resp: 94157
Ion Ratio Lower Upper
42 100
74 134.9 105.2 157.8
44 11.2 6.6 9.8

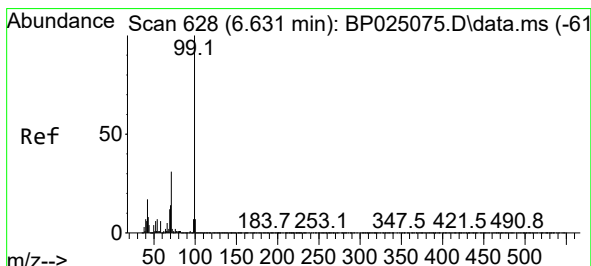
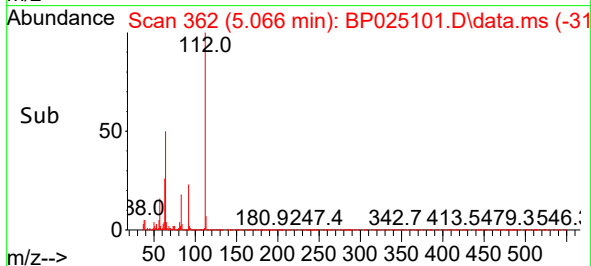
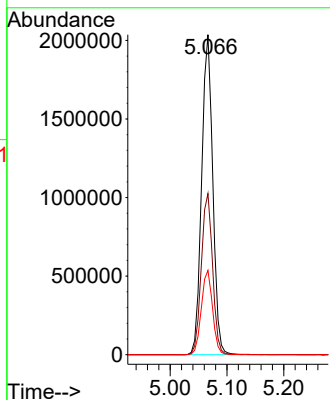
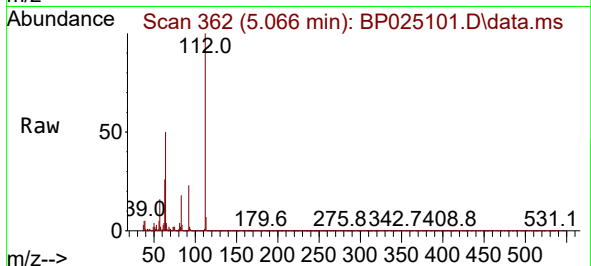




#5
2-Fluorophenol
Concen: 120.990 ng
RT: 5.066 min Scan# 30
Delta R.T. -0.029 min
Lab File: BP025101.D
Acq: 11 Jul 2025 12:55

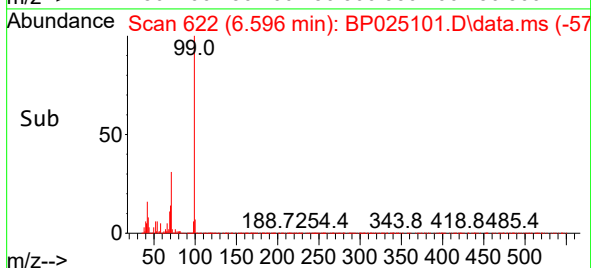
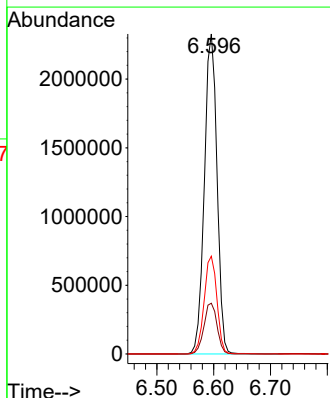
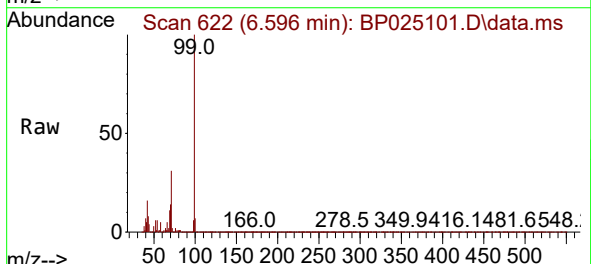
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

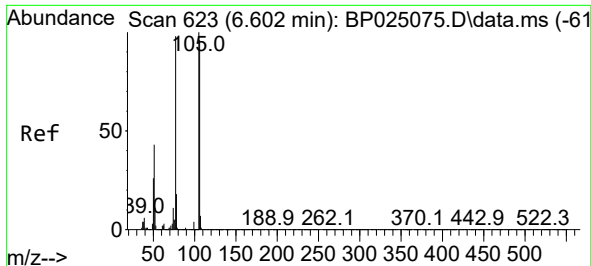
Tgt Ion:112 Resp: 2760940
Ion Ratio Lower Upper
112 100
64 50.3 42.0 63.0
63 26.4 22.2 33.2



#7
Phenol-d6
Concen: 120.392 ng
RT: 6.596 min Scan# 622
Delta R.T. -0.035 min
Lab File: BP025101.D
Acq: 11 Jul 2025 12:55

Tgt Ion: 99 Resp: 3585184
Ion Ratio Lower Upper
99 100
42 15.8 13.6 20.4
71 30.5 24.4 36.6

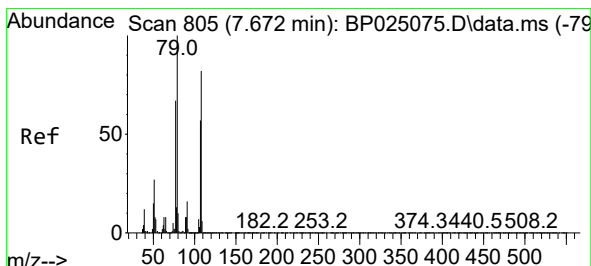
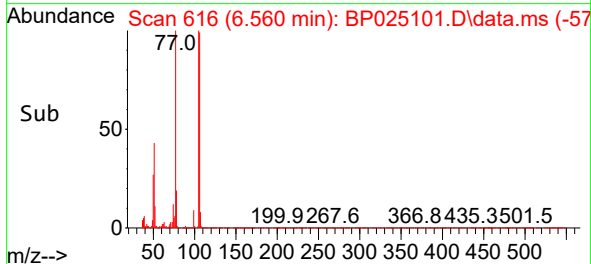
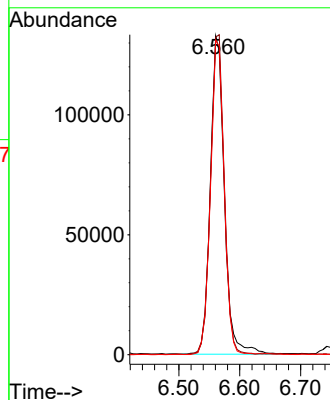
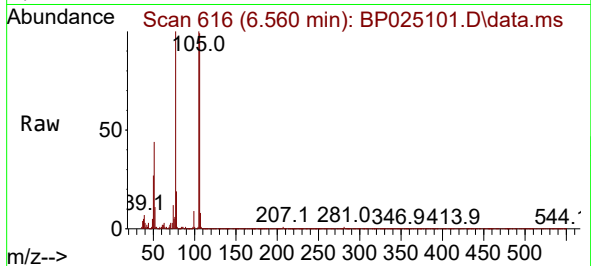




#9
Benzaldehyde
Concen: 13.652 ng
RT: 6.560 min Scan# 61
Delta R.T. -0.042 min
Lab File: BP025101.D
Acq: 11 Jul 2025 12:55

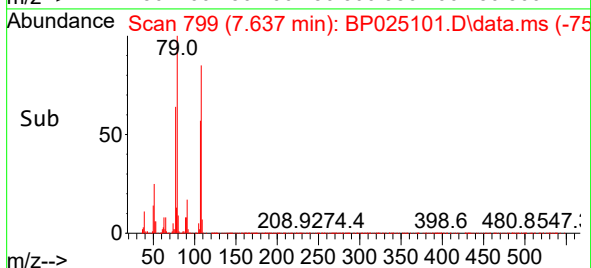
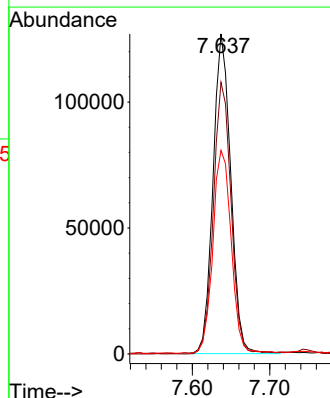
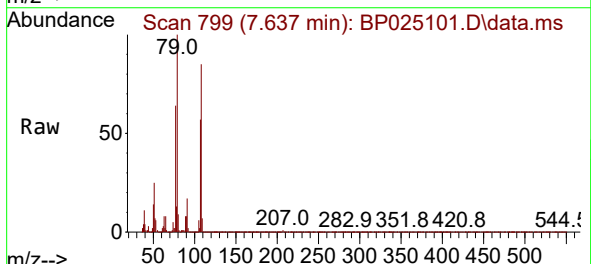
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

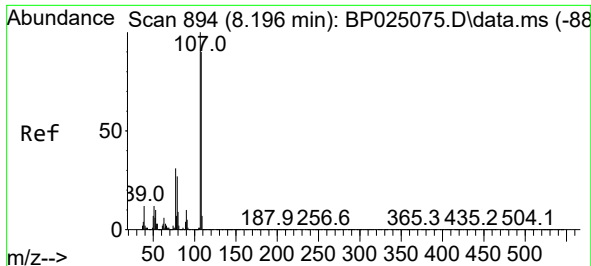
Tgt Ion: 77 Resp: 212317
Ion Ratio Lower Upper
77 100
105 99.6 82.4 122.4
106 98.7 78.3 118.3



#15
Benzyl Alcohol
Concen: 10.171 ng
RT: 7.637 min Scan# 799
Delta R.T. -0.035 min
Lab File: BP025101.D
Acq: 11 Jul 2025 12:55

Tgt Ion: 79 Resp: 202166
Ion Ratio Lower Upper
79 100
108 84.9 66.0 99.0
77 63.6 53.4 80.2

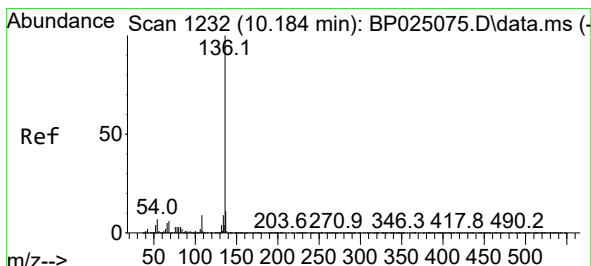
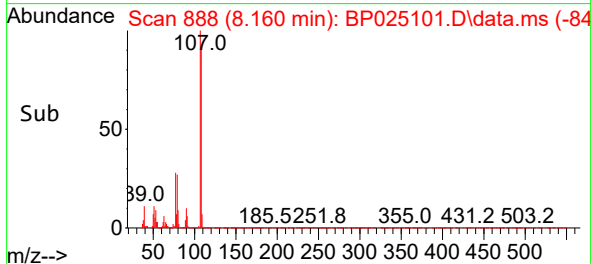
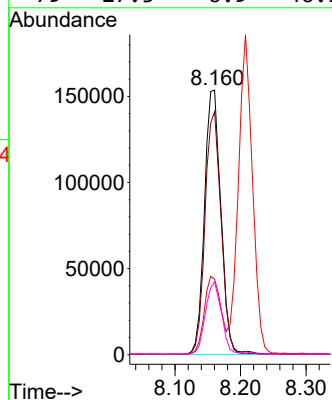
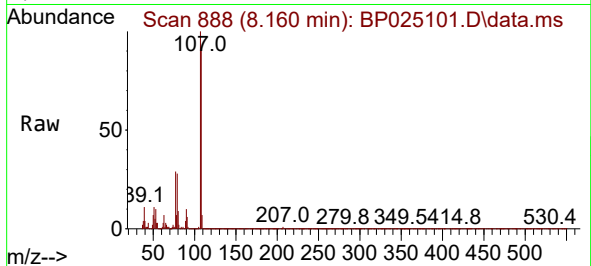




#20
3+4-Methylphenols
Concen: 9.819 ng
RT: 8.160 min Scan# 81
Delta R.T. -0.035 min
Lab File: BP025101.D
Acq: 11 Jul 2025 12:55

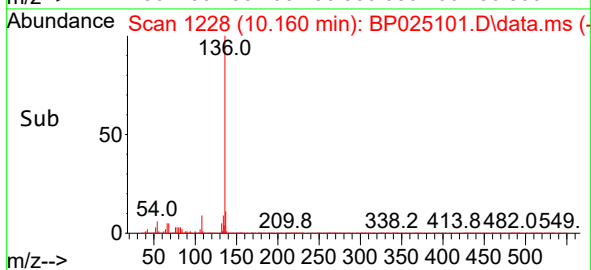
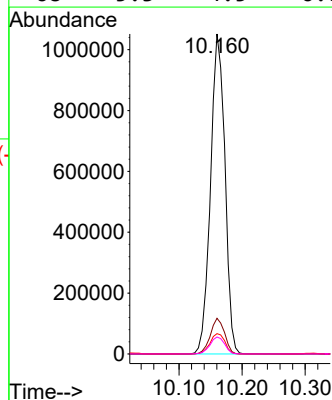
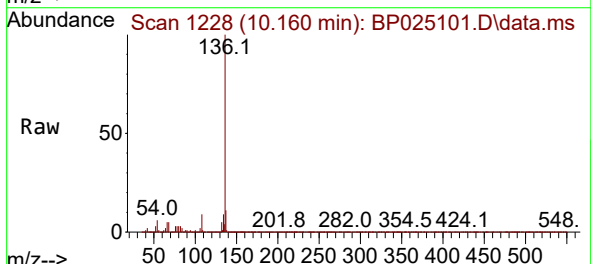
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

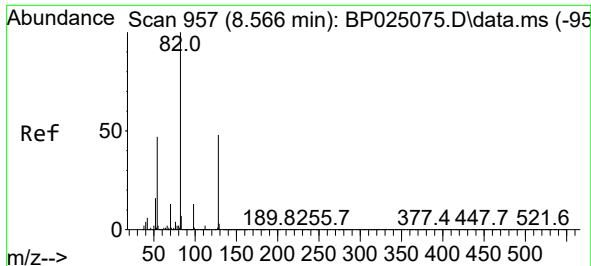
Tgt Ion:	107	Resp:	268057
Ion	Ratio	Lower	Upper
107	100		
108	91.8	69.5	109.5
77	28.5	11.4	51.4
79	27.5	6.9	46.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.160 min Scan# 1228
Delta R.T. -0.024 min
Lab File: BP025101.D
Acq: 11 Jul 2025 12:55

Tgt Ion:	136	Resp:	1667537
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	6.4	5.4	8.2
68	5.3	4.5	6.7

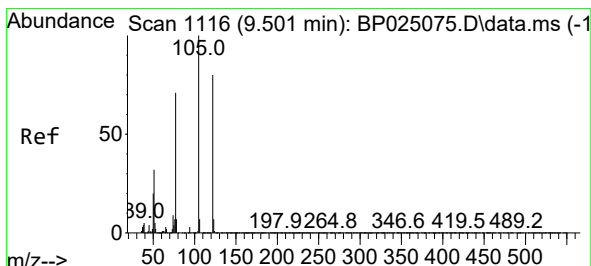
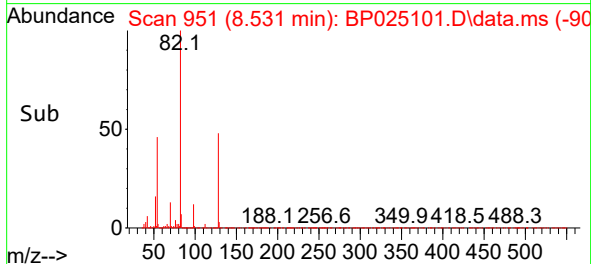
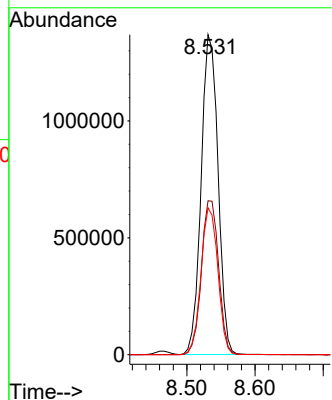
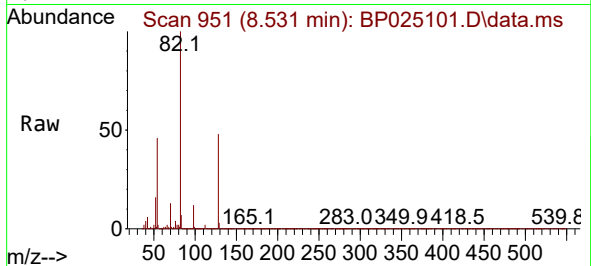




#23
Nitrobenzene-d5
Concen: 94.156 ng
RT: 8.531 min Scan# 91
Delta R.T. -0.035 min
Lab File: BP025101.D
Acq: 11 Jul 2025 12:55

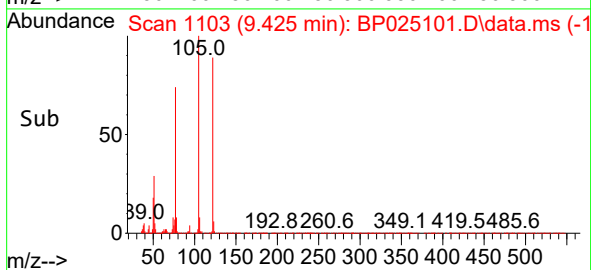
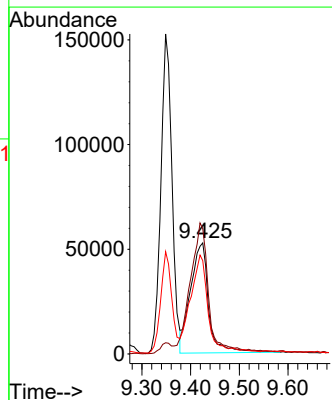
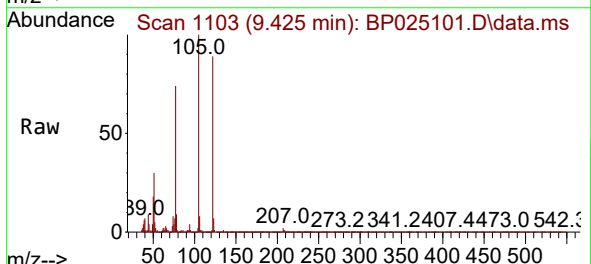
Instrument :
BNA_P
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LOQ-SOIL-02-QT2-2025

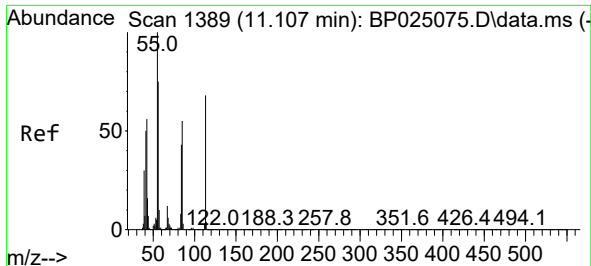
Tgt Ion: 82 Resp: 2360862
Ion Ratio Lower Upper
82 100
128 48.1 38.4 57.6
54 45.9 37.8 56.6



#32
Benzoic acid
Concen: 13.046 ng
RT: 9.425 min Scan# 1103
Delta R.T. -0.076 min
Lab File: BP025101.D
Acq: 11 Jul 2025 12:55

Tgt Ion:122 Resp: 137218
Ion Ratio Lower Upper
122 100
105 112.8 101.0 141.0
77 84.0 67.6 107.6

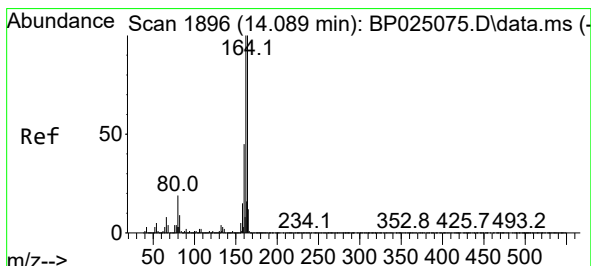
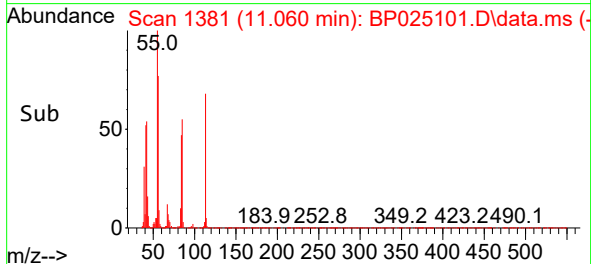
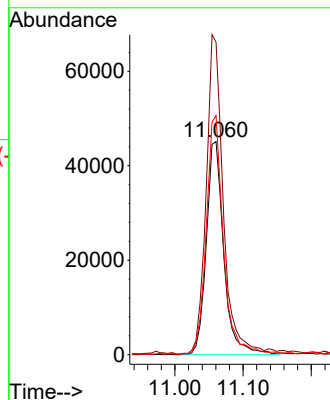
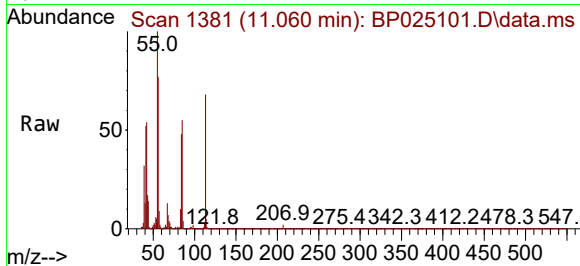




#35
Caprolactam
Concen: 9.688 ng
RT: 11.060 min Scan# 11
Delta R.T. -0.047 min
Lab File: BP025101.D
Acq: 11 Jul 2025 12:55

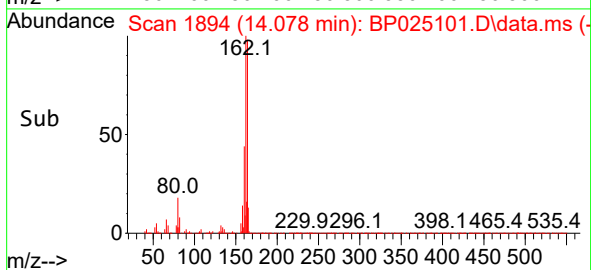
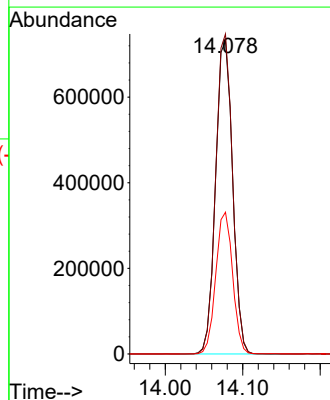
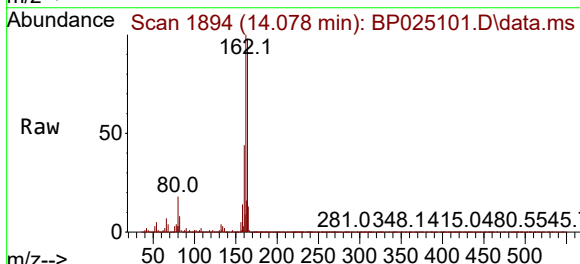
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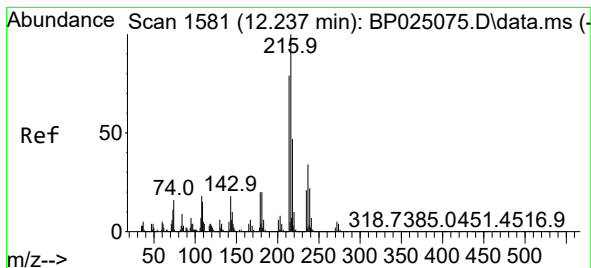
Tgt Ion:113 Resp: 80332
Ion Ratio Lower Upper
113 100
55 146.6 128.1 168.1
56 112.2 90.7 130.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.078 min Scan# 1894
Delta R.T. -0.011 min
Lab File: BP025101.D
Acq: 11 Jul 2025 12:55

Tgt Ion:164 Resp: 1115773
Ion Ratio Lower Upper
164 100
162 102.2 80.3 120.5
160 45.3 35.9 53.9





#41

Hexachlorocyclopentadiene

Concen: 17.106 ng

RT: 12.201 min Scan# 1

Delta R.T. -0.035 min

Lab File: BP025101.D

Acq: 11 Jul 2025 12:55

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2025

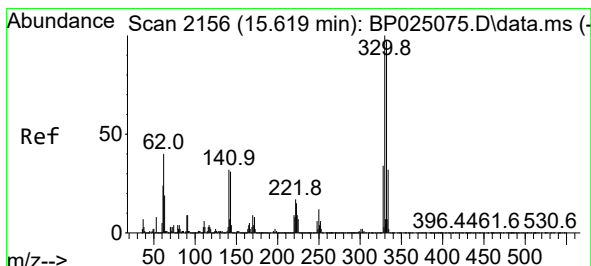
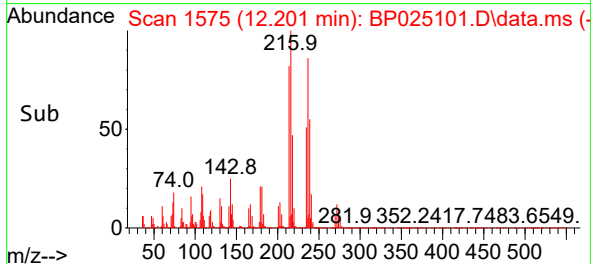
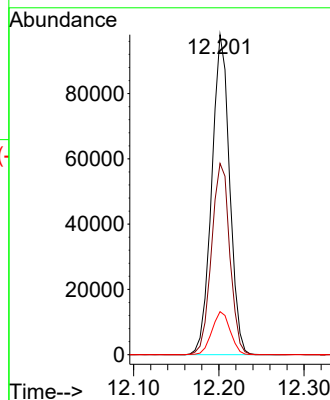
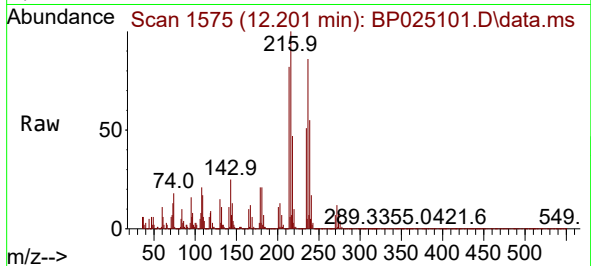
Tgt Ion:237 Resp: 143285

Ion Ratio Lower Upper

237 100

235 59.8 41.6 81.6

272 13.5 0.0 33.6



#42

2,4,6-Tribromophenol

Concen: 148.132 ng

RT: 15.613 min Scan# 2155

Delta R.T. -0.006 min

Lab File: BP025101.D

Acq: 11 Jul 2025 12:55

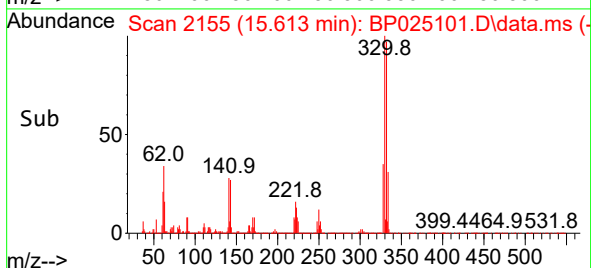
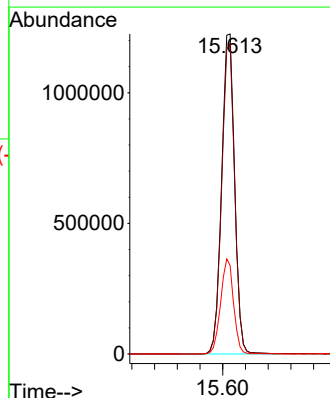
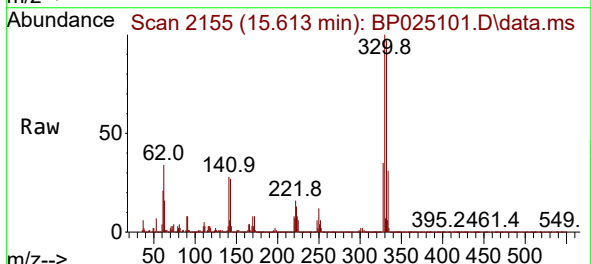
Tgt Ion:330 Resp: 1952530

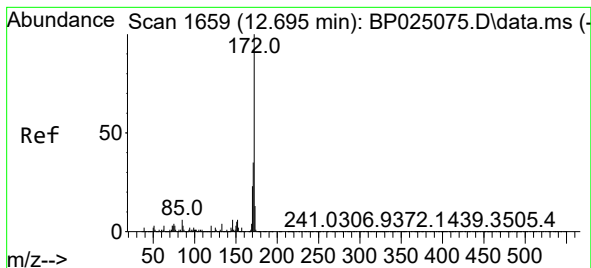
Ion Ratio Lower Upper

330 100

332 96.5 77.7 116.5

141 29.4 26.0 39.0





#45

2-Fluorobiphenyl

Concen: 89.738 ng

RT: 12.672 min Scan# 1

Delta R.T. -0.024 min

Lab File: BP025101.D

Acq: 11 Jul 2025 12:55

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2025

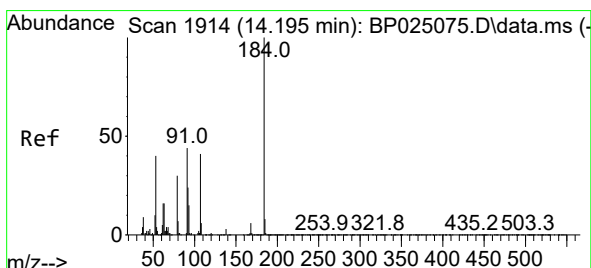
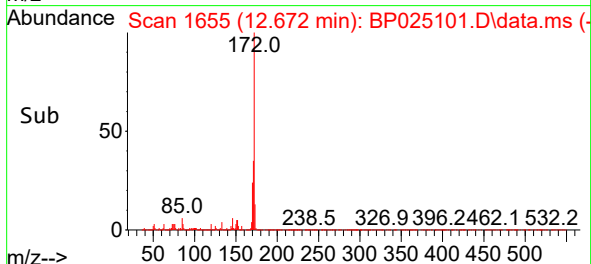
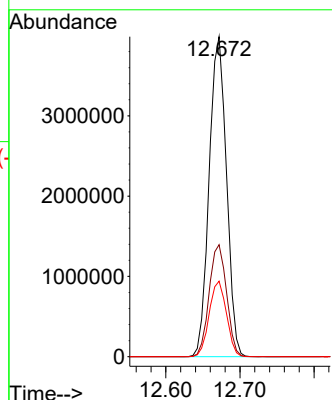
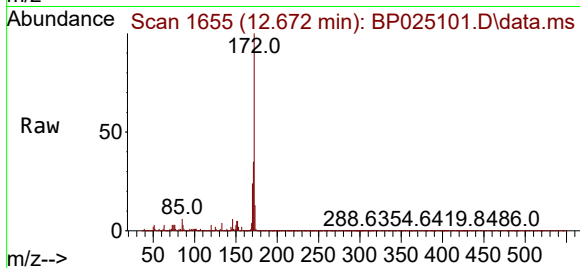
Tgt Ion:172 Resp: 6463334

Ion Ratio Lower Upper

172 100

171 35.0 28.2 42.2

170 23.6 18.7 28.1



#54

2,4-Dinitrophenol

Concen: 12.818 ng

RT: 14.189 min Scan# 1913

Delta R.T. -0.006 min

Lab File: BP025101.D

Acq: 11 Jul 2025 12:55

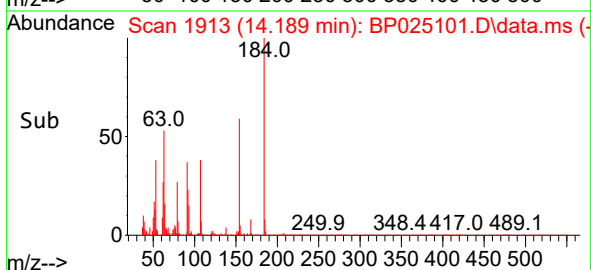
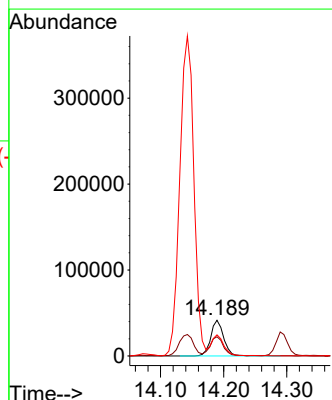
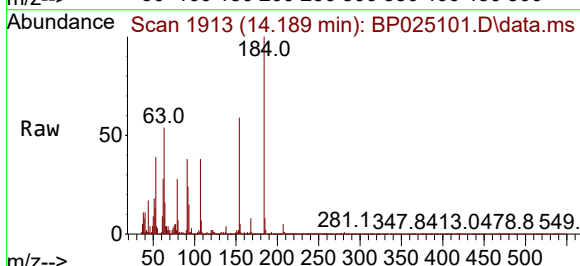
Tgt Ion:184 Resp: 59331

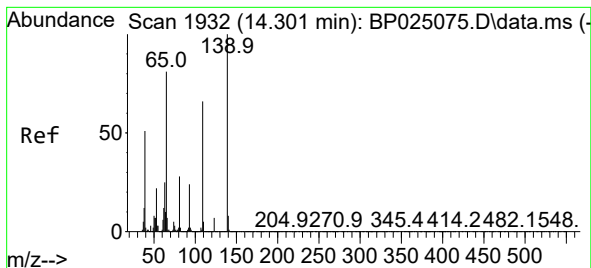
Ion Ratio Lower Upper

184 100

63 53.7 47.4 71.0

154 59.2 47.8 71.8

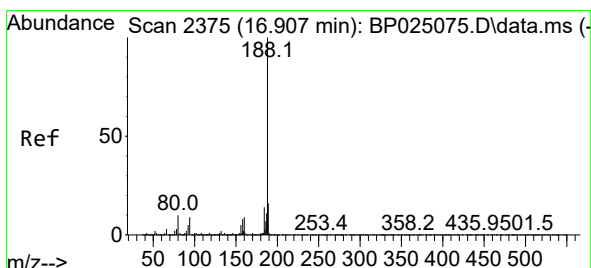
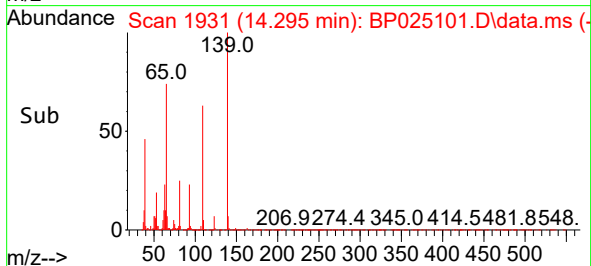
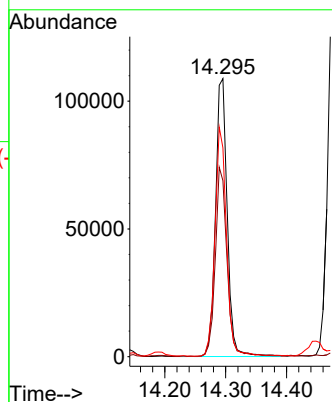
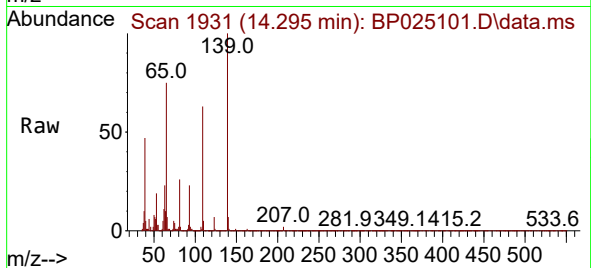




#56
4-Nitrophenol
Concen: 9.646 ng
RT: 14.295 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BP025101.D
Acq: 11 Jul 2025 12:55

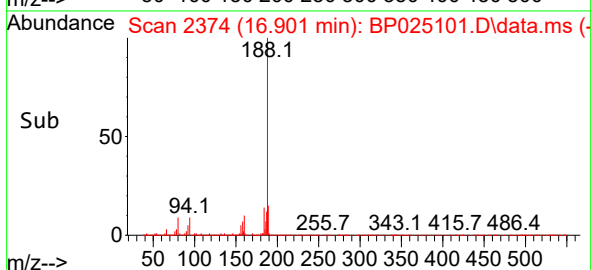
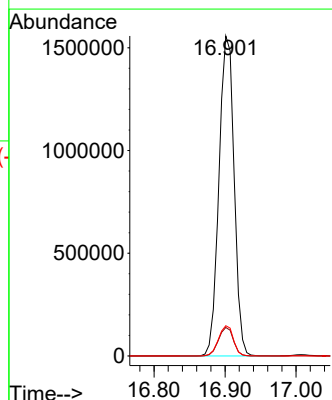
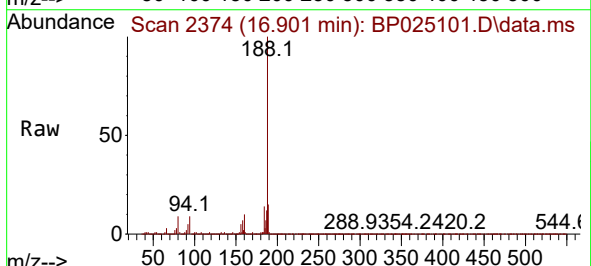
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

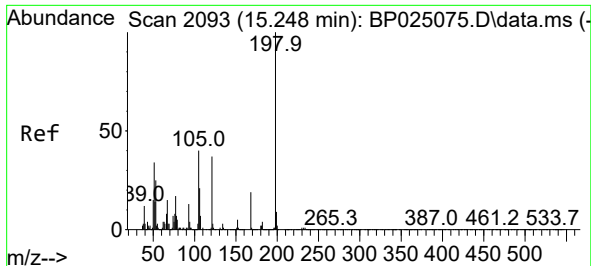
Tgt Ion:139 Resp: 145313
Ion Ratio Lower Upper
139 100
109 63.3 45.9 85.9
65 75.1 61.4 101.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.901 min Scan# 2374
Delta R.T. -0.006 min
Lab File: BP025101.D
Acq: 11 Jul 2025 12:55

Tgt Ion:188 Resp: 2297818
Ion Ratio Lower Upper
188 100
94 8.9 7.3 10.9
80 9.5 7.8 11.6

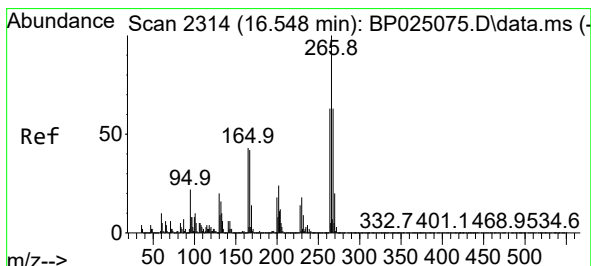
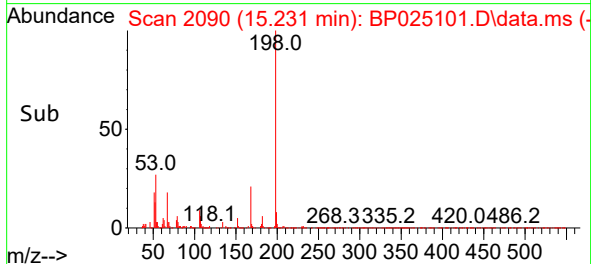
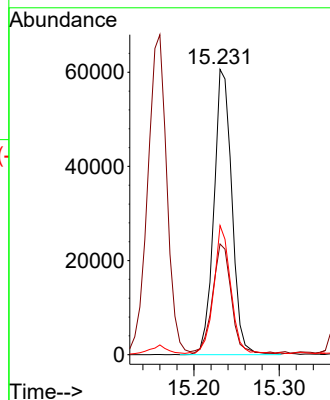
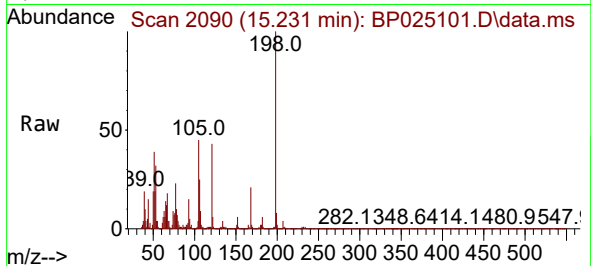




#65
4,6-Dinitro-2-methylphenol
Concen: 13.080 ng
RT: 15.231 min Scan# 2090
Delta R.T. -0.017 min
Lab File: BP025101.D
Acq: 11 Jul 2025 12:55

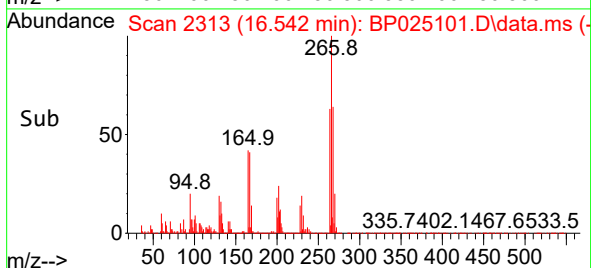
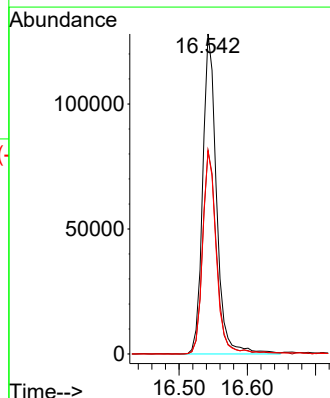
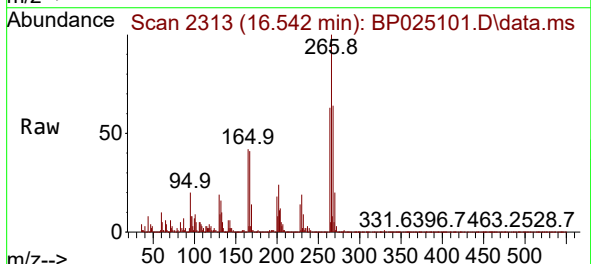
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

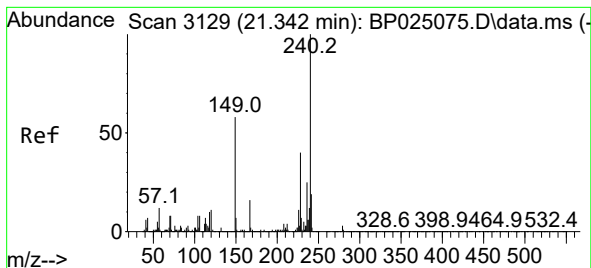
Tgt Ion:198 Resp: 88750
Ion Ratio Lower Upper
198 100
51 38.8 16.8 56.8
105 45.3 20.8 60.8



#70
Pentachlorophenol
Concen: 9.296 ng
RT: 16.542 min Scan# 2313
Delta R.T. -0.006 min
Lab File: BP025101.D
Acq: 11 Jul 2025 12:55

Tgt Ion:266 Resp: 180546
Ion Ratio Lower Upper
266 100
268 63.6 50.4 75.6
264 63.4 50.2 75.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.354 min Scan# 31

Delta R.T. 0.012 min

Lab File: BP025101.D

Acq: 11 Jul 2025 12:55

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2025

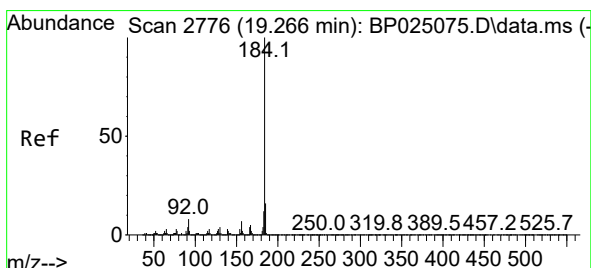
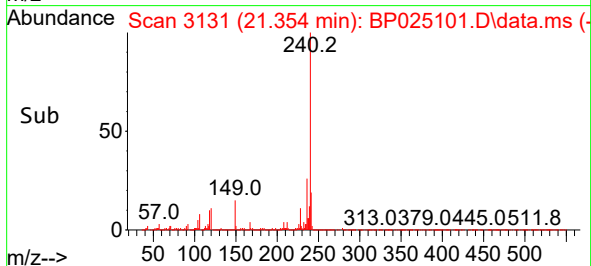
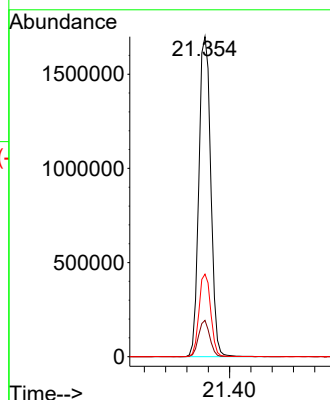
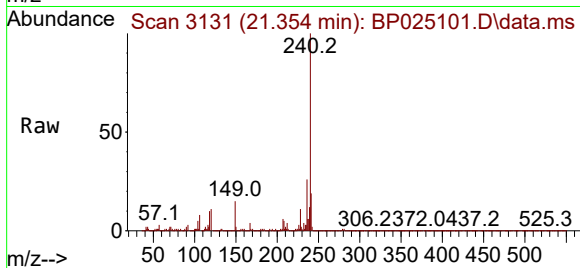
Tgt Ion:240 Resp: 2630205

Ion Ratio Lower Upper

240 100

120 11.3 9.0 13.4

236 25.8 20.3 30.5



#77

Benzidine

Concen: 15.344 ng

RT: 19.272 min Scan# 2777

Delta R.T. 0.006 min

Lab File: BP025101.D

Acq: 11 Jul 2025 12:55

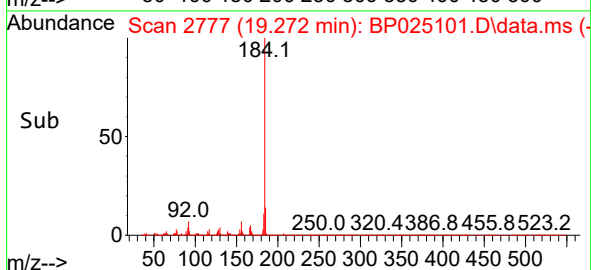
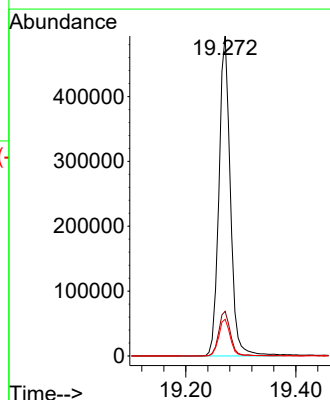
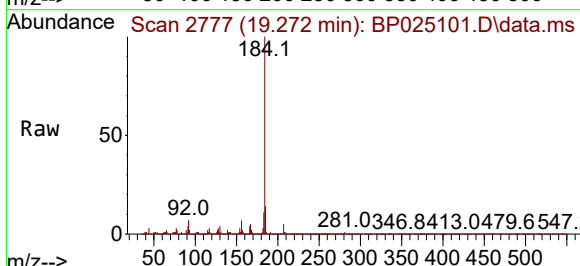
Tgt Ion:184 Resp: 712796

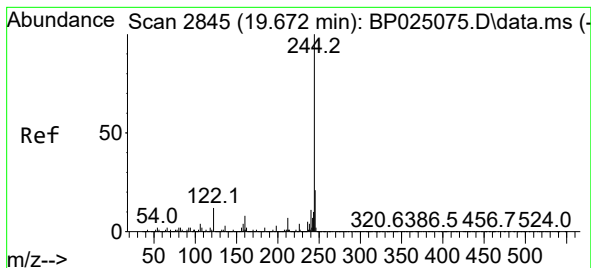
Ion Ratio Lower Upper

184 100

185 13.9 12.6 18.8

183 11.5 9.4 14.2





#79

Terphenyl-d14

Concen: 90.659 ng

RT: 19.689 min Scan# 21

Delta R.T. 0.018 min

Lab File: BP025101.D

Acq: 11 Jul 2025 12:55

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2025

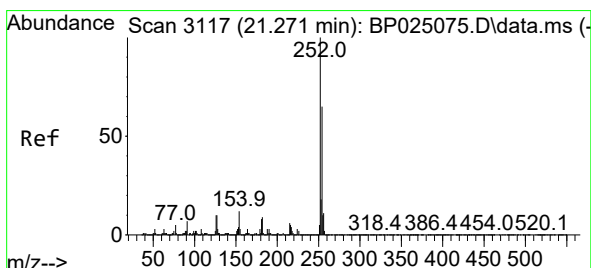
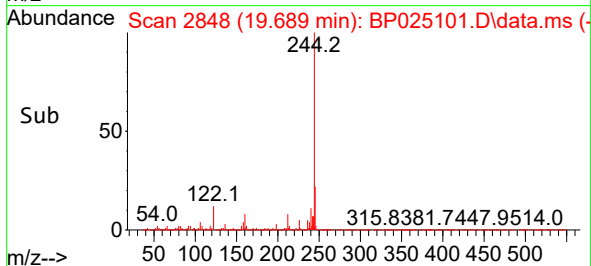
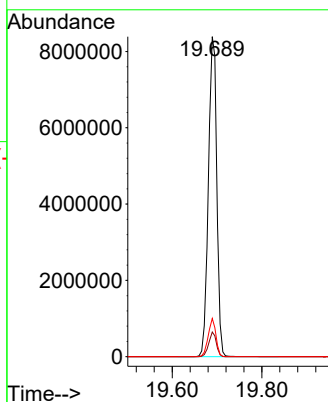
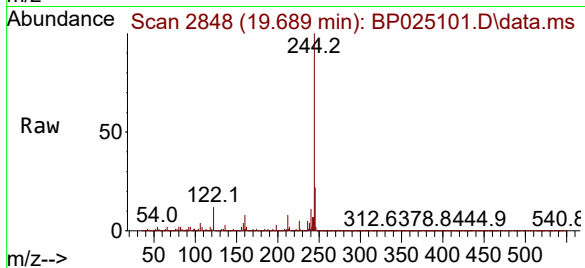
Tgt Ion:244 Resp:10849593

Ion Ratio Lower Upper

244 100

212 7.7 5.9 8.9

122 12.0 9.4 14.2



#82

3,3'-Dichlorobenzidine

Concen: 11.685 ng

RT: 21.266 min Scan# 3116

Delta R.T. -0.006 min

Lab File: BP025101.D

Acq: 11 Jul 2025 12:55

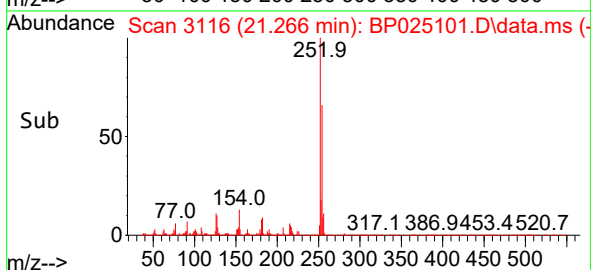
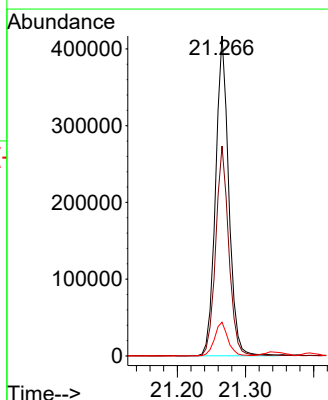
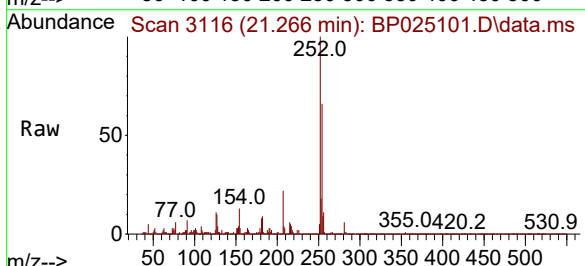
Tgt Ion:252 Resp: 560683

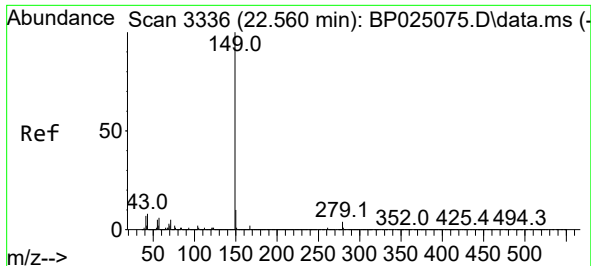
Ion Ratio Lower Upper

252 100

254 65.6 51.9 77.9

126 10.5 8.1 12.1

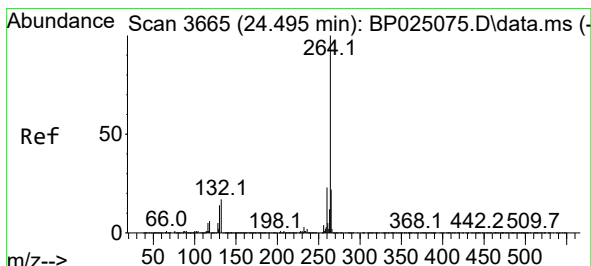
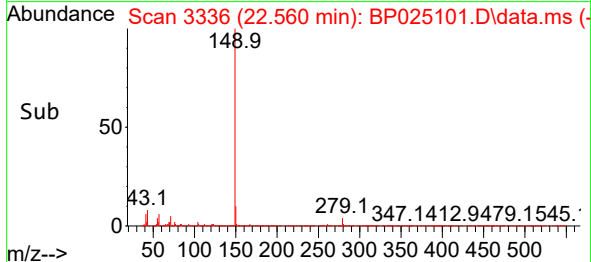
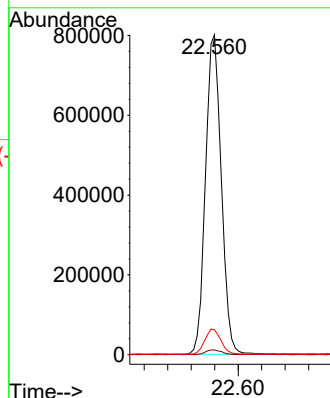
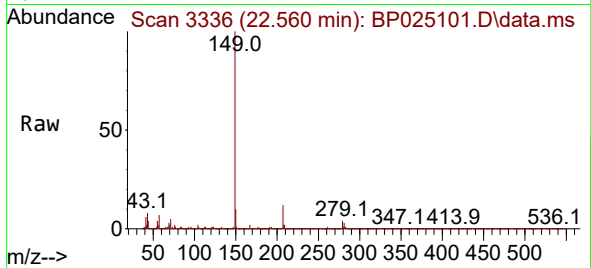




#85
Di-n-octyl phthalate
Concen: 14.408 ng
RT: 22.560 min Scan# 31
Delta R.T. -0.000 min
Lab File: BP025101.D
Acq: 11 Jul 2025 12:55

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

Tgt Ion:149 Resp: 1492309
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.0 6.9 10.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.501 min Scan# 3666
Delta R.T. 0.006 min
Lab File: BP025101.D
Acq: 11 Jul 2025 12:55

Tgt Ion:264 Resp: 2869219
Ion Ratio Lower Upper
264 100
260 23.4 18.6 28.0
265 21.6 17.7 26.5

