

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
 Data File : BP024326.D
 Acq On : 17 Apr 2025 14:40
 Operator : RC/JU
 Sample : Q1821-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SOIL-CUTTING

Quant Time: Apr 17 15:11:02 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 15 04:48:42 2025
 Response via : Initial Calibration

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

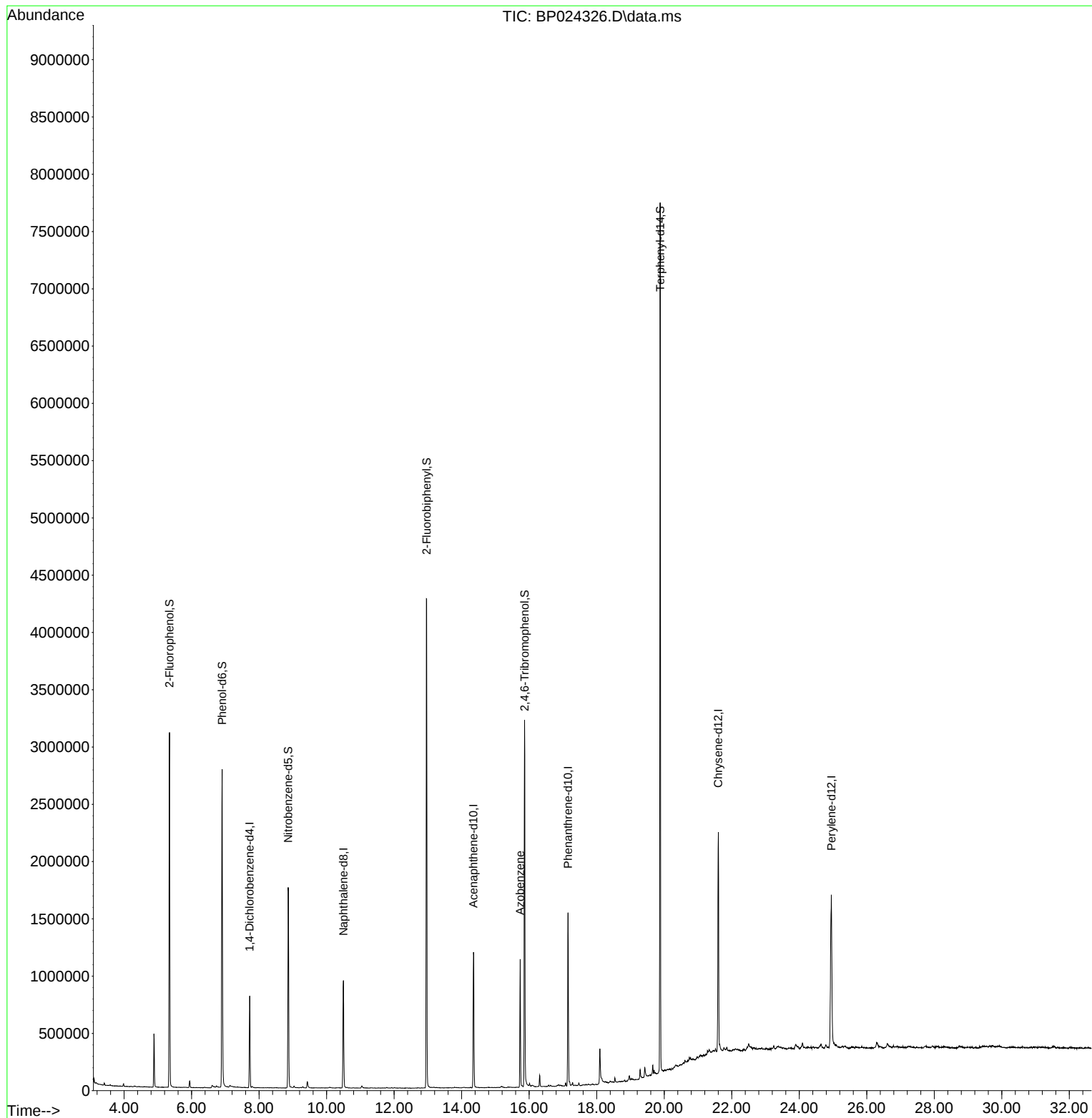
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.722	152	214001	20.000	ng	0.00
21) Naphthalene-d8	10.498	136	812214	20.000	ng	0.00
39) Acenaphthene-d10	14.351	164	467064	20.000	ng	-0.02
64) Phenanthrene-d10	17.151	188	918209	20.000	ng	-0.03
76) Chrysene-d12	21.604	240	1137107	20.000	ng	-0.02
86) Perylene-d12	24.951	264	1352587	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	1393247	107.648	ng	0.00
7) Phenol-d6	6.905	99	1712638	96.638	ng	-0.01
23) Nitrobenzene-d5	8.863	82	1054376	74.022	ng	-0.02
42) 2,4,6-Tribromophenol	15.869	330	663408	102.662	ng	-0.02
45) 2-Fluorobiphenyl	12.963	172	2205390	72.296	ng	-0.02
79) Terphenyl-d14	19.880	244	3647941	64.663	ng	-0.04
Target Compounds						
63) Azobenzene	15.733	77	294595	9.157	ng	Qvalue # 1

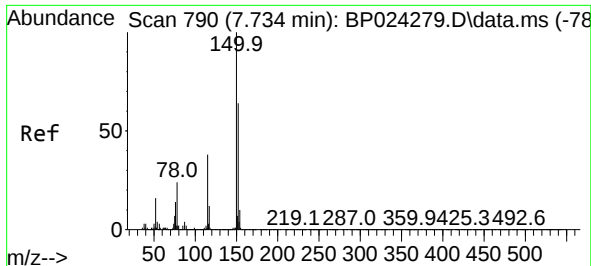
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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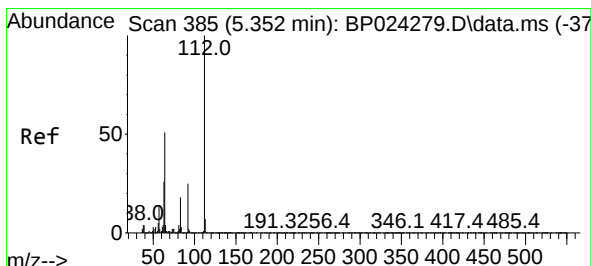
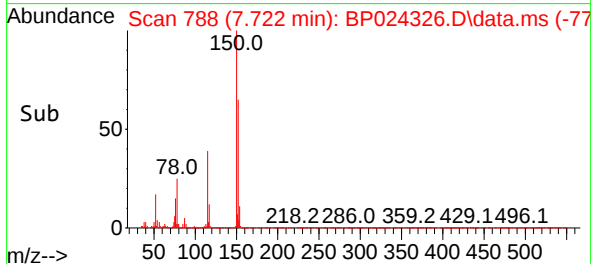
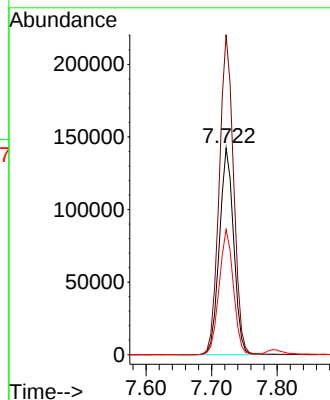
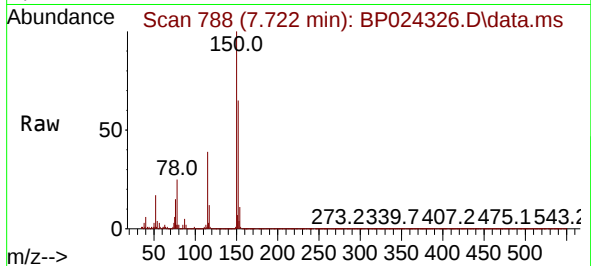




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.722 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BP024326.D
 Acq: 17 Apr 2025 14:40

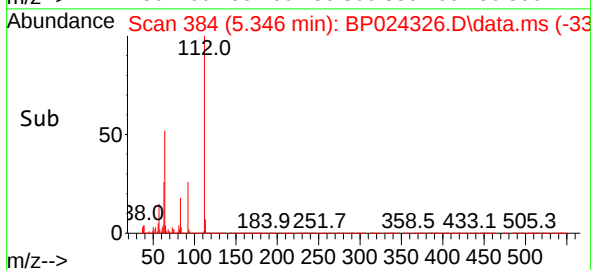
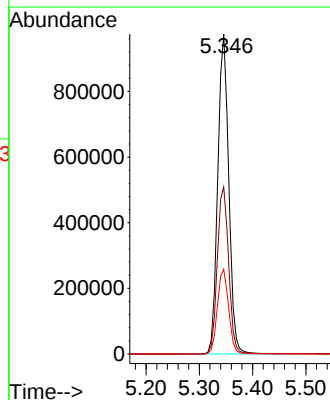
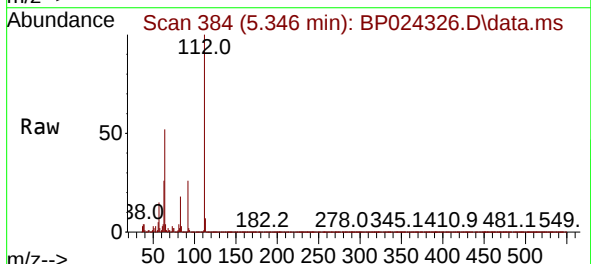
Instrument :
 BNA_P
 ClientSampleId :
 SOIL-CUTTING

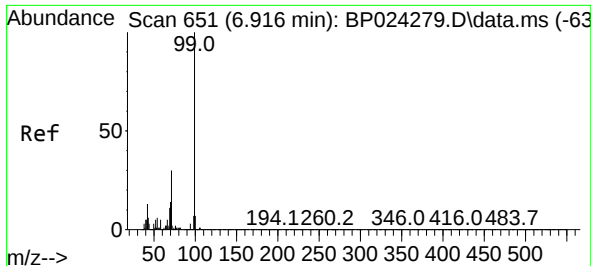
Tgt Ion:152 Resp: 214001
 Ion Ratio Lower Upper
 152 100
 150 154.8 124.9 187.3
 115 60.6 47.7 71.5



#5
 2-Fluorophenol
 Concen: 107.648 ng
 RT: 5.346 min Scan# 384
 Delta R.T. -0.006 min
 Lab File: BP024326.D
 Acq: 17 Apr 2025 14:40

Tgt Ion:112 Resp: 1393247
 Ion Ratio Lower Upper
 112 100
 64 52.2 41.1 61.7
 63 26.4 20.6 30.8

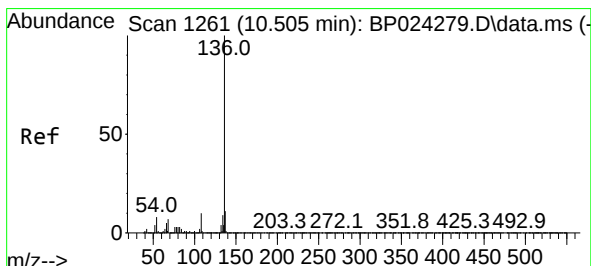
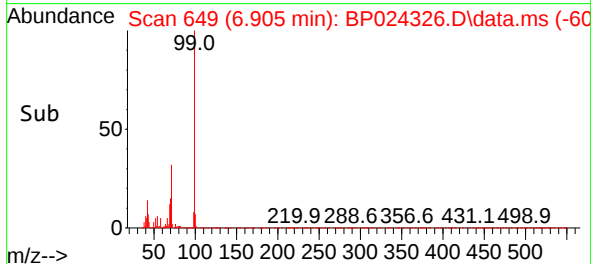
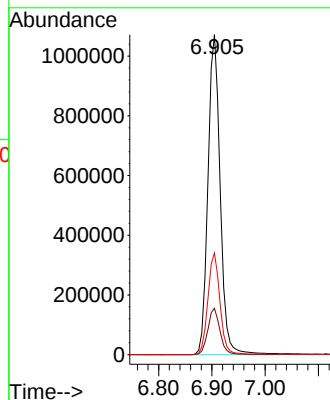
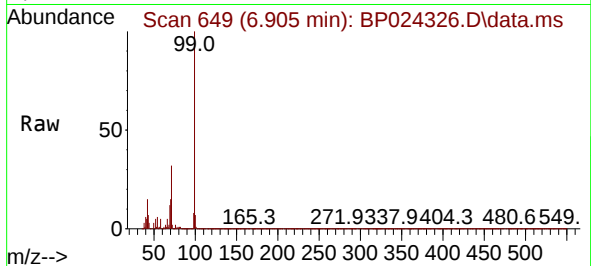




#7
Phenol-d6
Concen: 96.638 ng
RT: 6.905 min Scan# 649
Delta R.T. -0.011 min
Lab File: BP024326.D
Acq: 17 Apr 2025 14:40

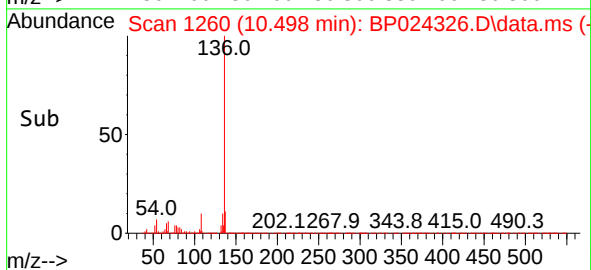
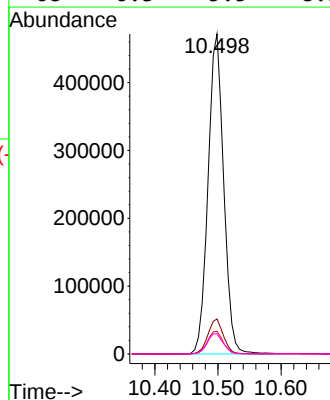
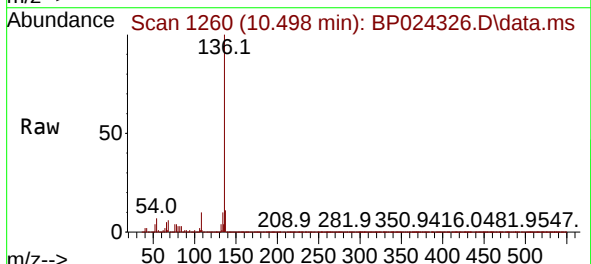
Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTING

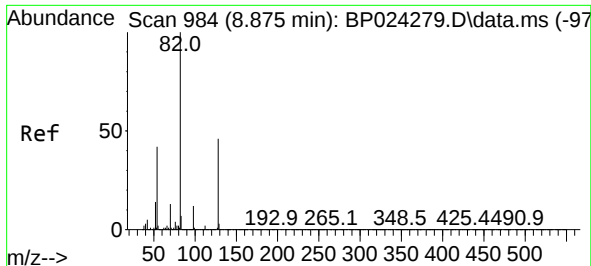
Tgt Ion: 99 Resp: 1712638
Ion Ratio Lower Upper
99 100
42 14.5 10.6 16.0
71 31.8 23.7 35.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.498 min Scan# 1260
Delta R.T. -0.006 min
Lab File: BP024326.D
Acq: 17 Apr 2025 14:40

Tgt Ion: 136 Resp: 812214
Ion Ratio Lower Upper
136 100
137 10.9 9.2 13.8
54 7.1 6.0 9.0
68 6.3 5.5 8.3

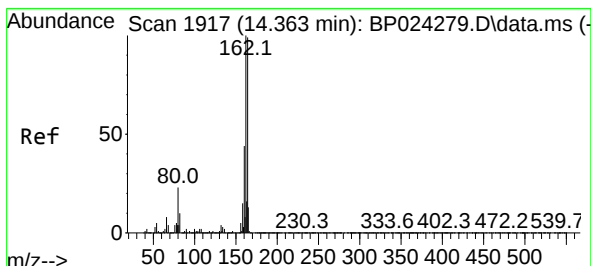
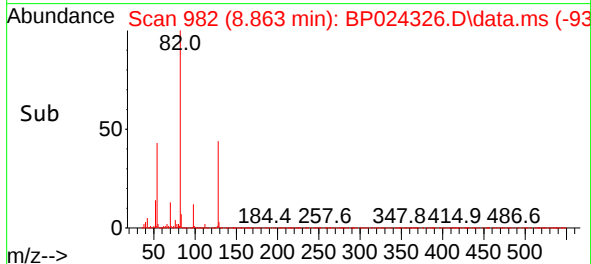
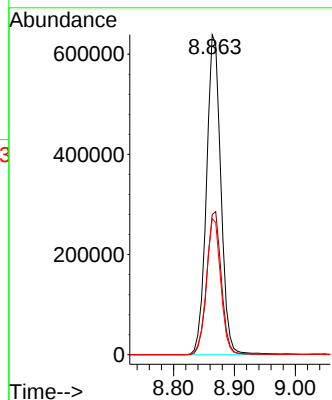
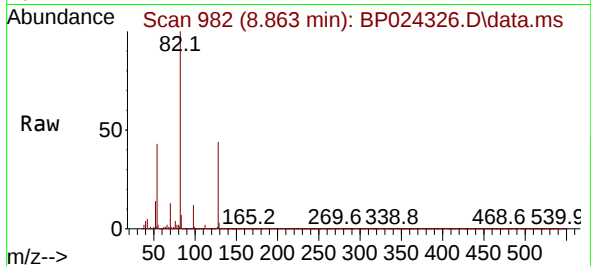




#23
Nitrobenzene-d5
Concen: 74.022 ng
RT: 8.863 min Scan# 91
Delta R.T. -0.018 min
Lab File: BP024326.D
Acq: 17 Apr 2025 14:40

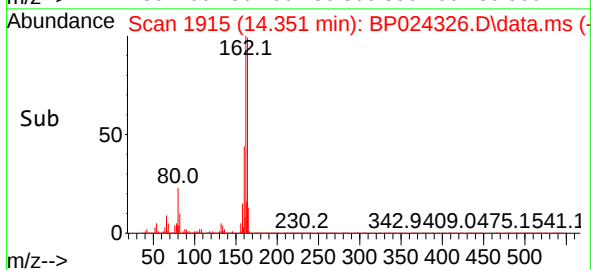
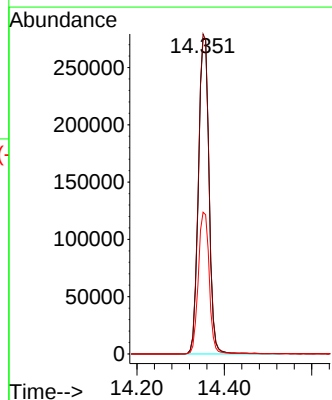
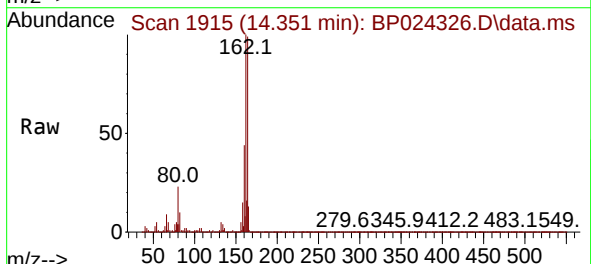
Instrument :
BNA_P
ClientSampleId :
SOIL-CUTTING

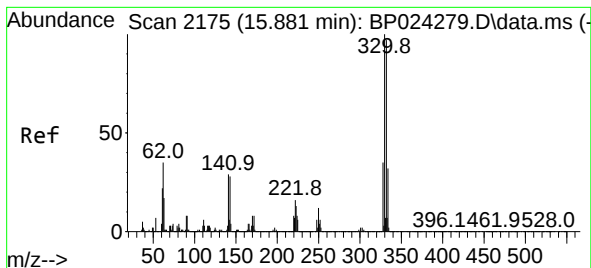
Tgt Ion: 82 Resp: 1054376
Ion Ratio Lower Upper
82 100
128 43.8 36.5 54.7
54 42.5 33.4 50.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.351 min Scan# 1915
Delta R.T. -0.018 min
Lab File: BP024326.D
Acq: 17 Apr 2025 14:40

Tgt Ion:164 Resp: 467064
Ion Ratio Lower Upper
164 100
162 101.4 80.6 120.8
160 44.9 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 102.662 ng

RT: 15.869 min Scan# 2173

Delta R.T. -0.024 min

Lab File: BP024326.D

Acq: 17 Apr 2025 14:40

Instrument :

BNA_P

ClientSampleId :

SOIL-CUTTING

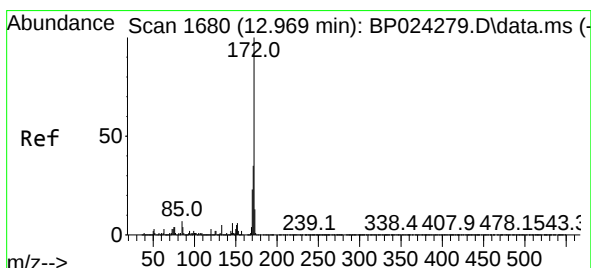
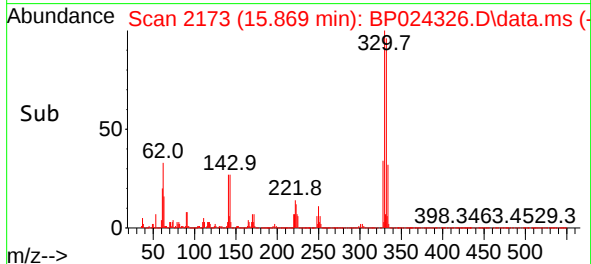
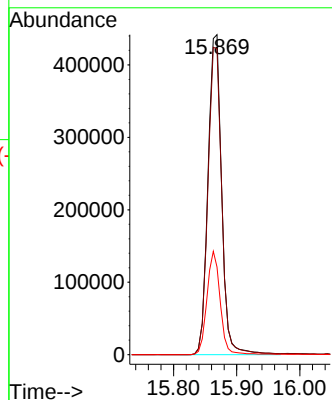
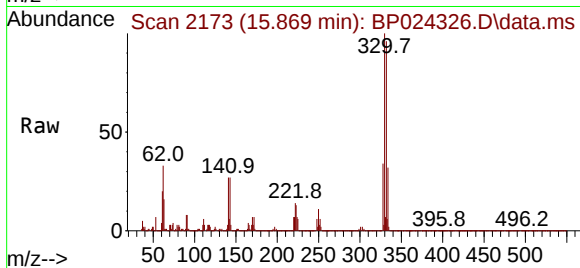
Tgt Ion:330 Resp: 663408

Ion Ratio Lower Upper

330 100

332 97.2 77.1 115.7

141 31.4 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 72.296 ng

RT: 12.963 min Scan# 1679

Delta R.T. -0.018 min

Lab File: BP024326.D

Acq: 17 Apr 2025 14:40

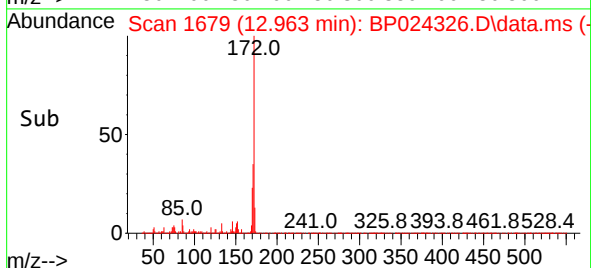
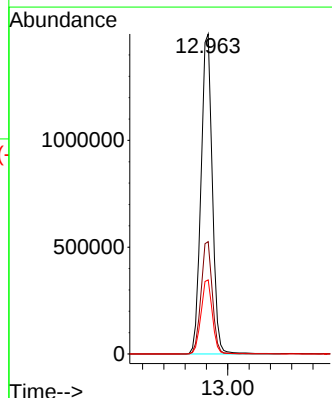
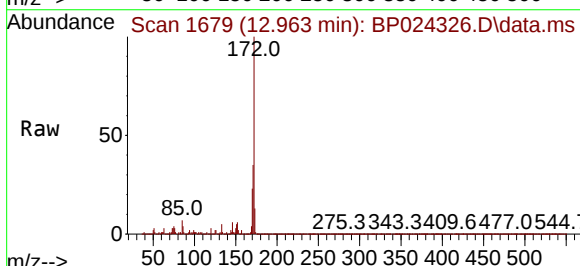
Tgt Ion:172 Resp: 2205390

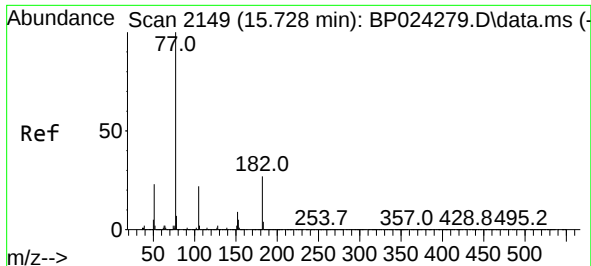
Ion Ratio Lower Upper

172 100

171 35.1 28.2 42.2

170 23.1 18.6 27.8

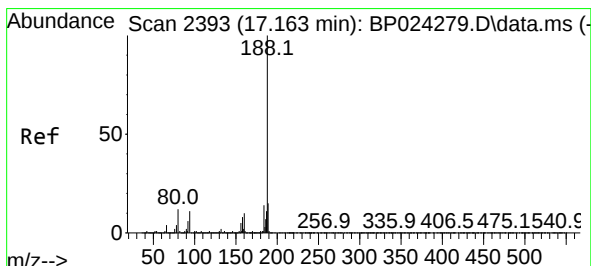
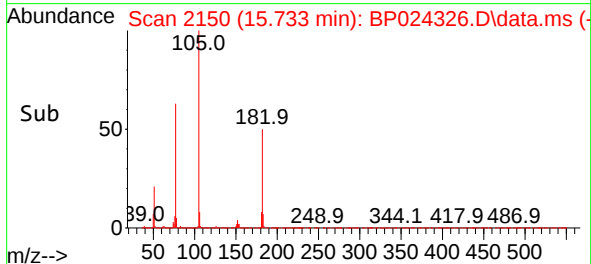
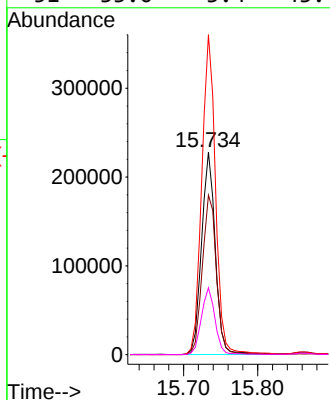
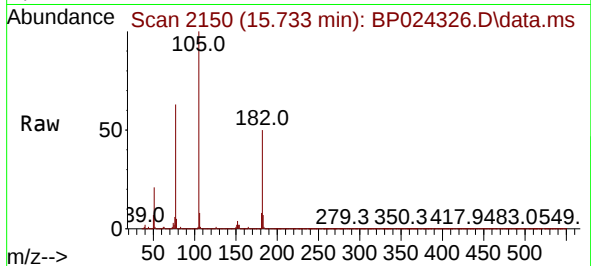




#63
Azobenzene
Concen: 9.157 ng
RT: 15.733 min Scan# 2149
Delta R.T. -0.006 min
Lab File: BP024326.D
Acq: 17 Apr 2025 14:40

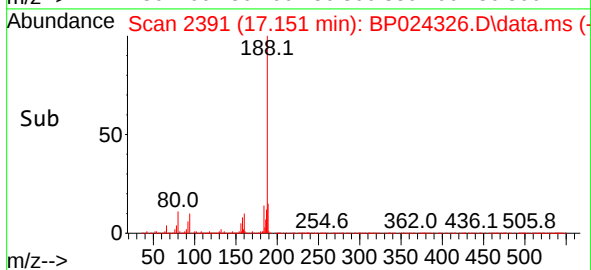
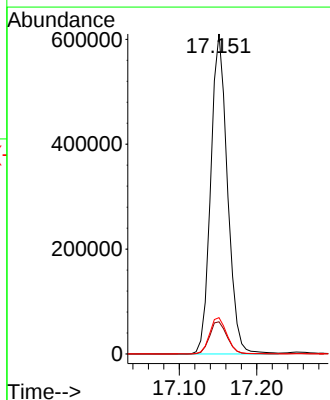
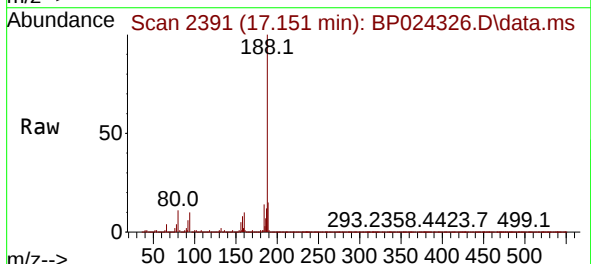
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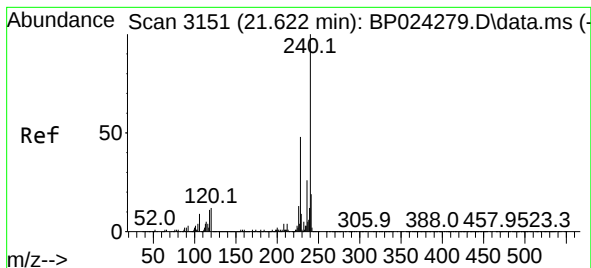
Tgt Ion: 77	Resp: 294595
Ion Ratio	Lower Upper
77 100	
182 78.8	7.3 47.3#
105 158.0	2.3 42.3#
51 33.0	3.4 43.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.151 min Scan# 2391
Delta R.T. -0.029 min
Lab File: BP024326.D
Acq: 17 Apr 2025 14:40

Tgt Ion: 188	Resp: 918209
Ion Ratio	Lower Upper
188 100	
94 10.1	8.6 13.0
80 11.4	9.8 14.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.604 min Scan# 31

Delta R.T. -0.018 min

Lab File: BP024326.D

Acq: 17 Apr 2025 14:40

Instrument :

BNA_P

ClientSampleId :

SOIL-CUTTING

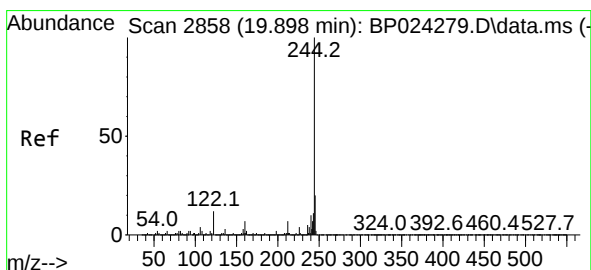
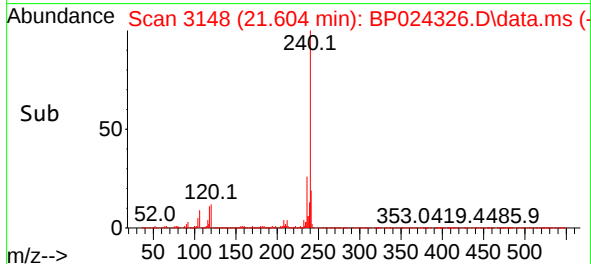
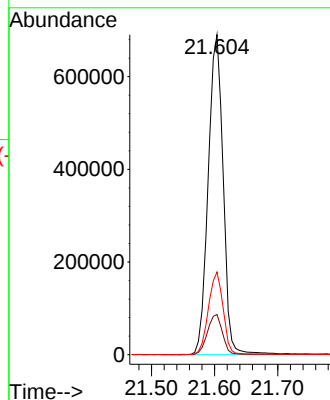
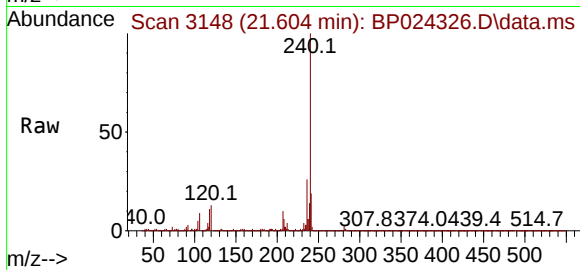
Tgt Ion:240 Resp: 1137107

Ion Ratio Lower Upper

240 100

120 12.6 9.8 14.8

236 25.8 20.9 31.3



#79

Terphenyl-d14

Concen: 64.663 ng

RT: 19.880 min Scan# 2855

Delta R.T. -0.041 min

Lab File: BP024326.D

Acq: 17 Apr 2025 14:40

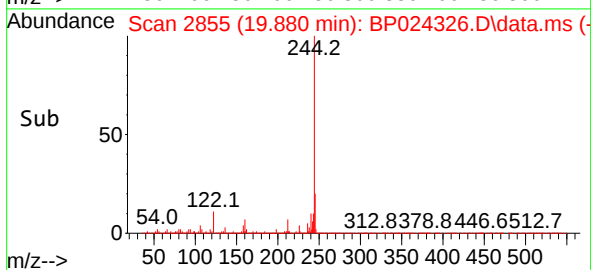
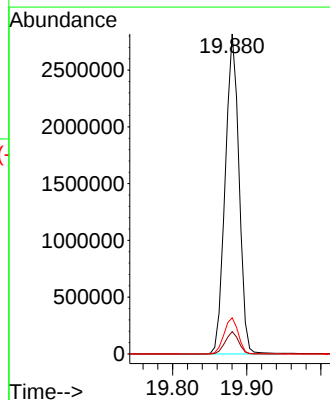
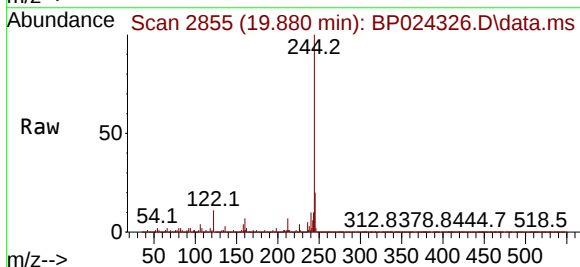
Tgt Ion:244 Resp: 3647941

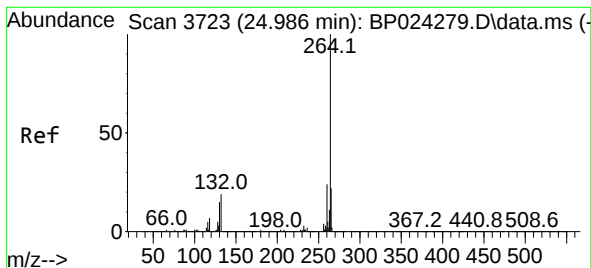
Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 11.3 9.4 14.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.951 min Scan# 31

Delta R.T. -0.035 min

Lab File: BP024326.D

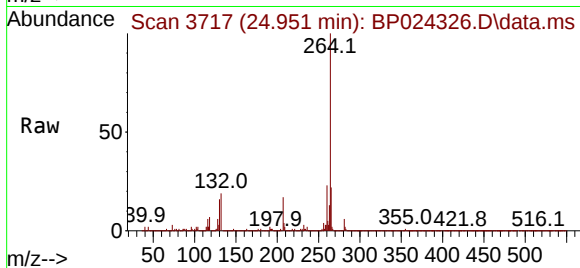
Acq: 17 Apr 2025 14:40

Instrument :

BNA_P

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Tgt Ion:264 Resp: 1352587

Ion Ratio Lower Upper

264 100

260 23.2 18.9 28.3

265 22.2 17.8 26.6

