

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120925\
 Data File : BP026266.D
 Acq On : 09 Dec 2025 18:20
 Operator : RC/JU
 Sample : Q3801-01DL 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SOIL#1DL

Quant Time: Dec 09 23:56:24 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 05 14:52:44 2025
 Response via : Initial Calibration

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

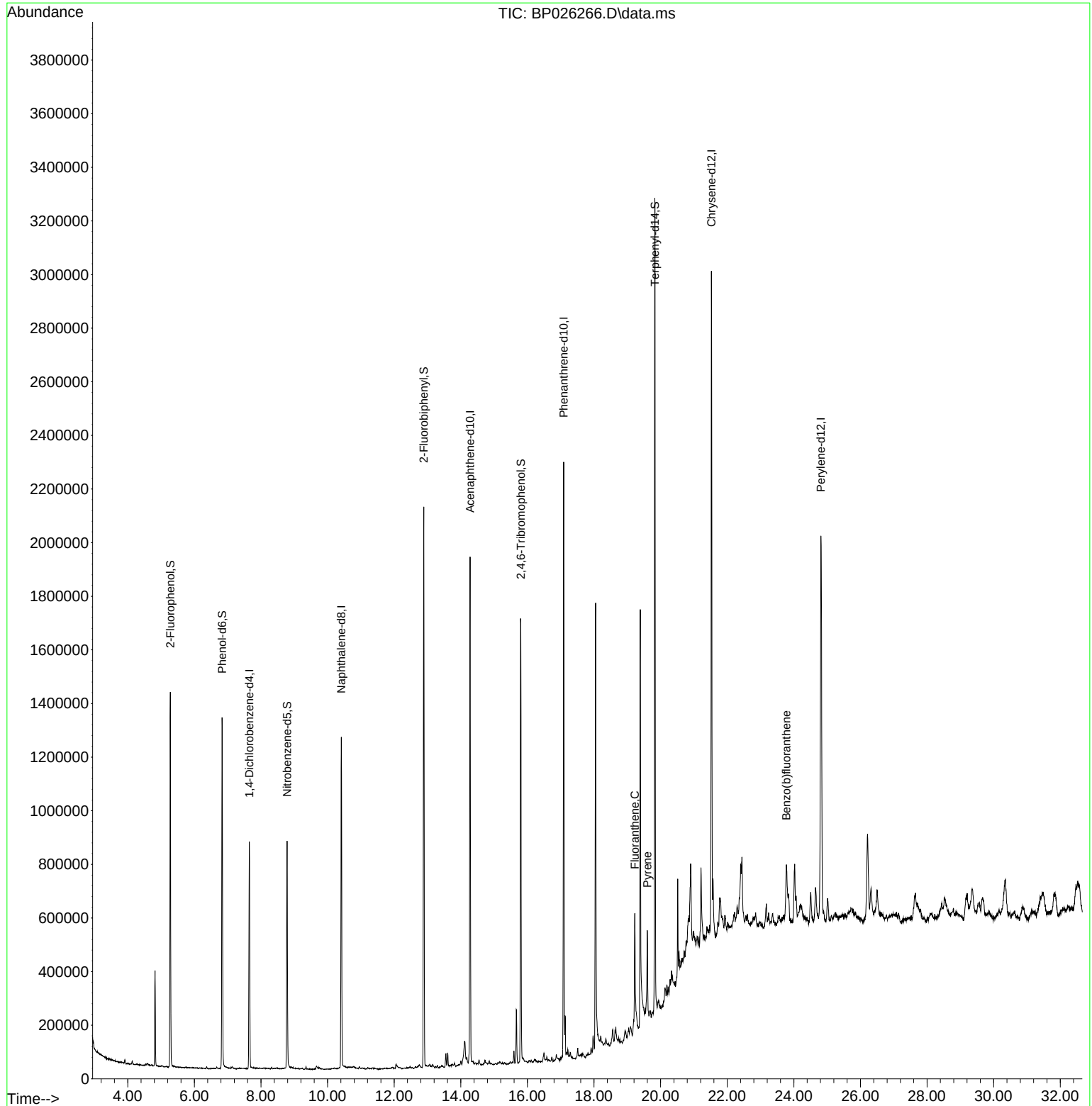
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.649	152	250538	20.000	ng	0.00
21) Naphthalene-d8	10.413	136	1030000	20.000	ng	0.00
39) Acenaphthene-d10	14.278	164	673351	20.000	ng	-0.01
64) Phenanthrene-d10	17.089	188	1315488	20.000	ng	0.00
76) Chrysene-d12	21.525	240	1351646	20.000	ng	-0.01
86) Perylene-d12	24.813	264	1496180	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.278	112	617312	39.613	ng	0.00
7) Phenol-d6	6.831	99	786579	39.987	ng	0.00
23) Nitrobenzene-d5	8.784	82	463630	25.621	ng	0.00
42) 2,4,6-Tribromophenol	15.801	330	358053	40.889	ng	0.00
45) 2-Fluorobiphenyl	12.890	172	1174204	25.353	ng	-0.01
79) Terphenyl-d14	19.825	244	1679850	25.402	ng	-0.01
Target Compounds						
						Qvalue
75) Fluoranthene	19.225	202	288668	3.198	ng	99
78) Pyrene	19.601	202	226778	2.575	ng	98
88) Benzo(b)fluoranthene	23.777	252	252565	2.778	ng	# 95

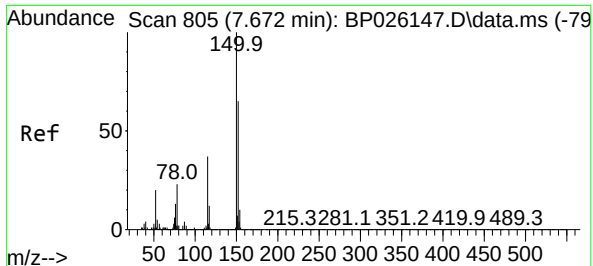
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 09 23:56:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
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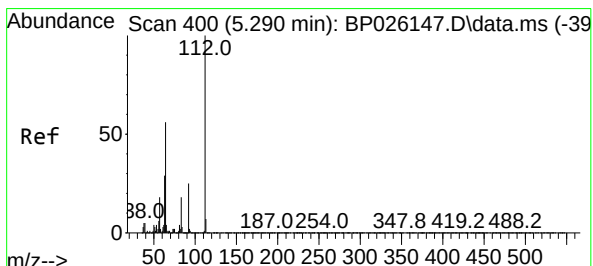
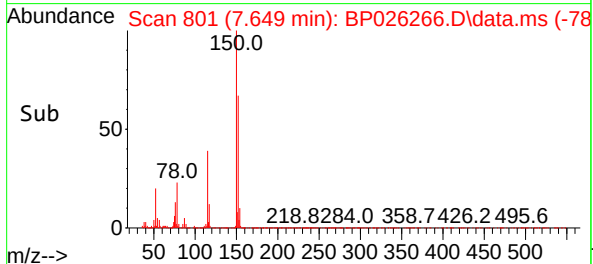
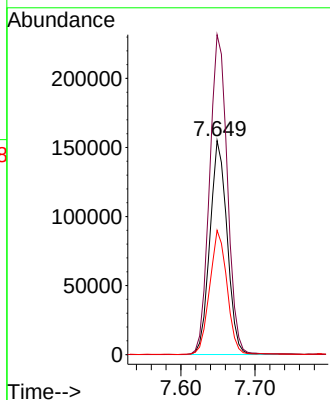
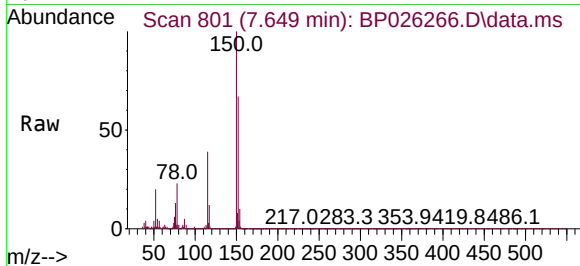




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.649 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP026266.D
Acq: 09 Dec 2025 18:20

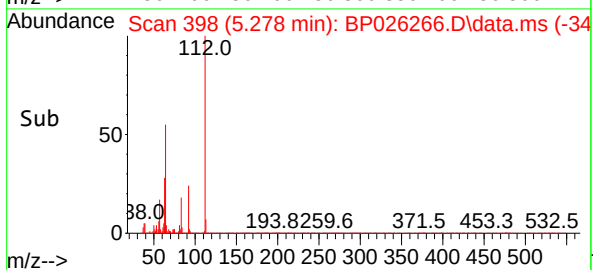
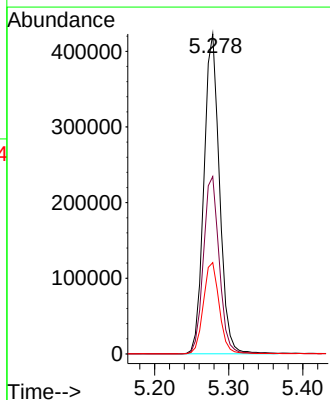
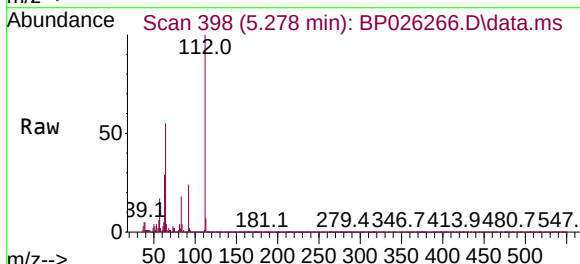
Instrument :
BNA_P
ClientSampleId :
SOIL#1DL

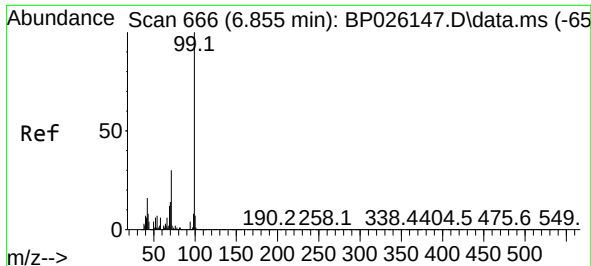
Tgt Ion:152 Resp: 250538
Ion Ratio Lower Upper
152 100
150 149.6 123.0 184.6
115 58.1 46.3 69.5



#5
2-Fluorophenol
Concen: 39.613 ng
RT: 5.278 min Scan# 398
Delta R.T. -0.000 min
Lab File: BP026266.D
Acq: 09 Dec 2025 18:20

Tgt Ion:112 Resp: 617312
Ion Ratio Lower Upper
112 100
64 55.4 45.8 68.6
63 28.5 23.5 35.3

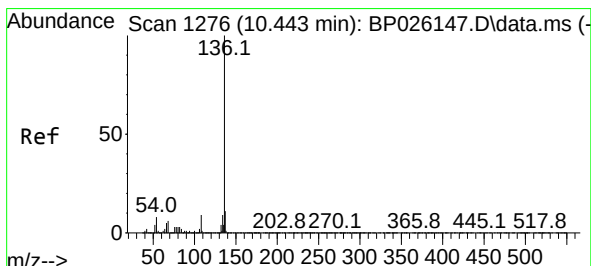
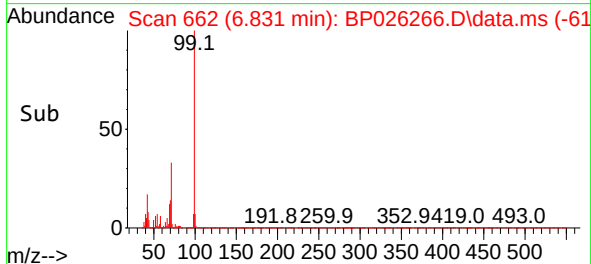
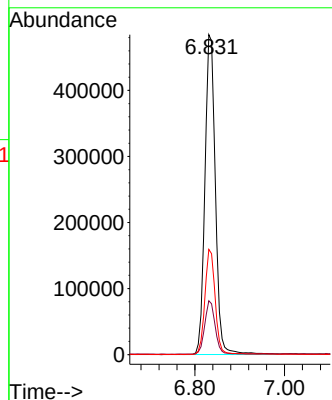
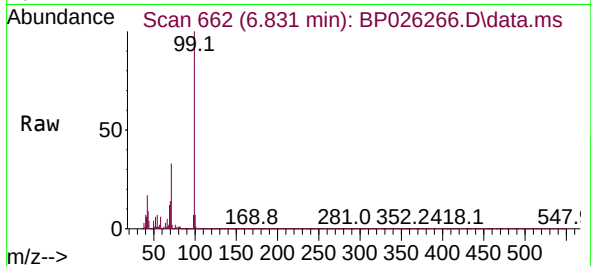




#7
Phenol-d6
Concen: 39.987 ng
RT: 6.831 min Scan# 60
Delta R.T. -0.006 min
Lab File: BP026266.D
Acq: 09 Dec 2025 18:20

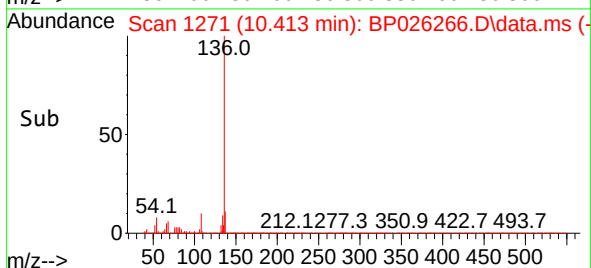
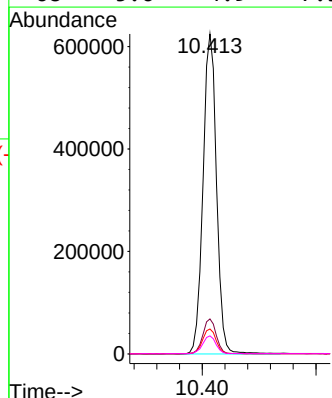
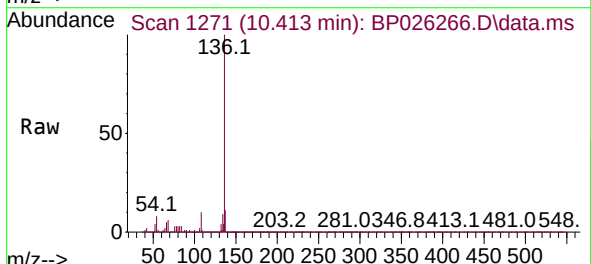
Instrument :
BNA_P
ClientSampleId :
SOIL#1DL

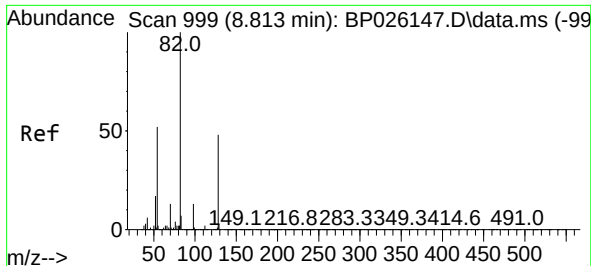
Tgt Ion: 99 Resp: 786579
Ion Ratio Lower Upper
99 100
42 16.8 12.9 19.3
71 32.9 24.8 37.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.413 min Scan# 1271
Delta R.T. -0.006 min
Lab File: BP026266.D
Acq: 09 Dec 2025 18:20

Tgt Ion: 136 Resp: 1030000
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 7.8 6.4 9.6
68 5.6 4.9 7.3

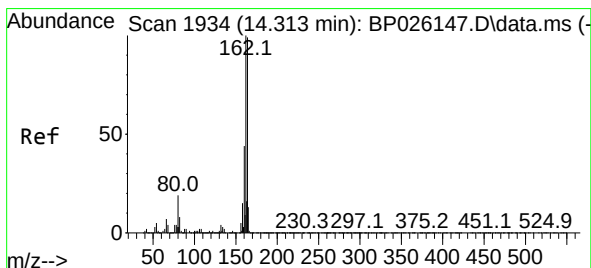
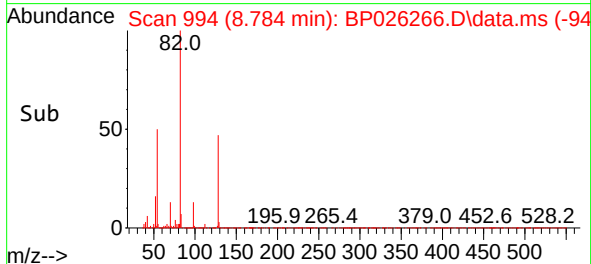
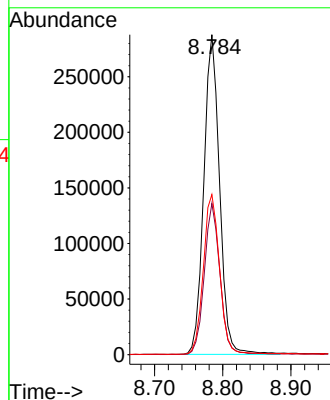
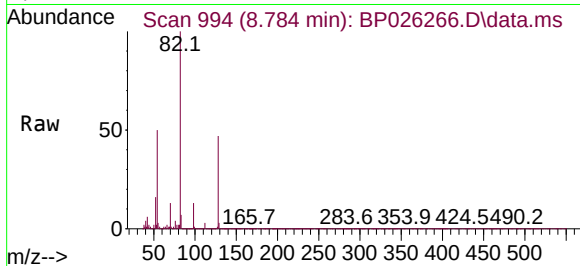




#23
Nitrobenzene-d5
Concen: 25.621 ng
RT: 8.784 min Scan# 999
Delta R.T. -0.006 min
Lab File: BP026266.D
Acq: 09 Dec 2025 18:20

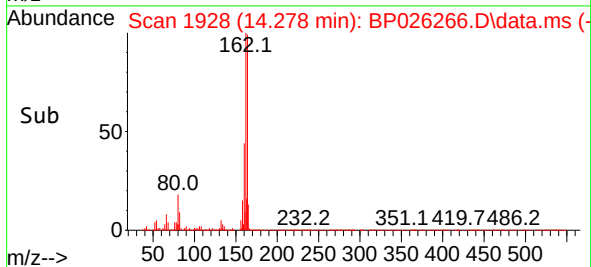
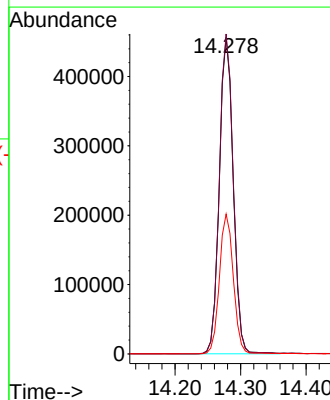
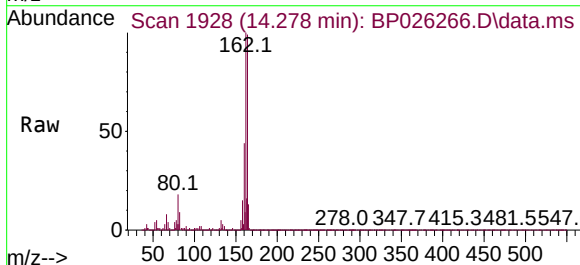
Instrument :
BNA_P
ClientSampleId :
SOIL#1DL

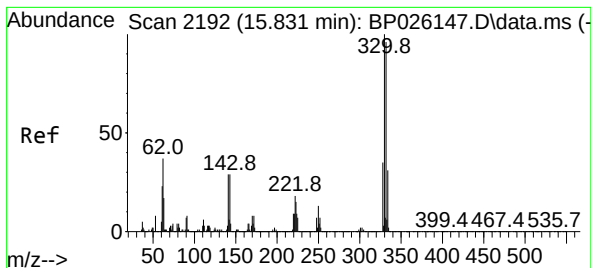
Tgt Ion: 82 Resp: 463630
Ion Ratio Lower Upper
82 100
128 47.2 37.4 56.0
54 50.0 41.6 62.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.278 min Scan# 1928
Delta R.T. -0.012 min
Lab File: BP026266.D
Acq: 09 Dec 2025 18:20

Tgt Ion:164 Resp: 673351
Ion Ratio Lower Upper
164 100
162 101.1 80.3 120.5
160 44.2 35.2 52.8

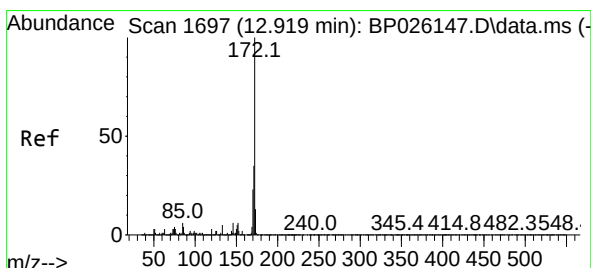
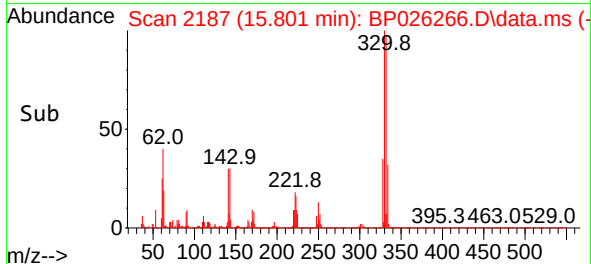
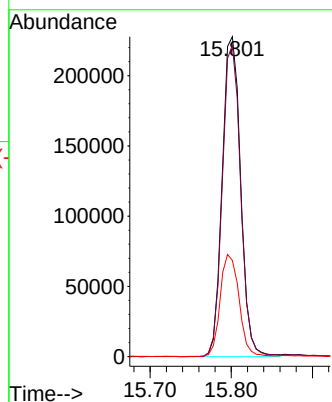
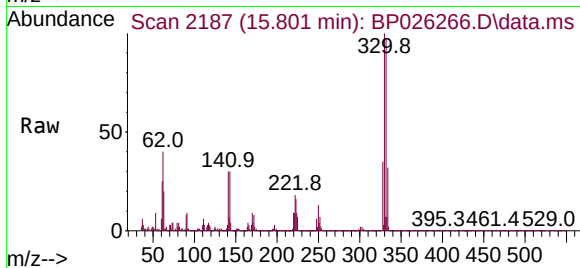




#42
2,4,6-Tribromophenol
Concen: 40.889 ng
RT: 15.801 min Scan# 2192
Delta R.T. -0.006 min
Lab File: BP026266.D
Acq: 09 Dec 2025 18:20

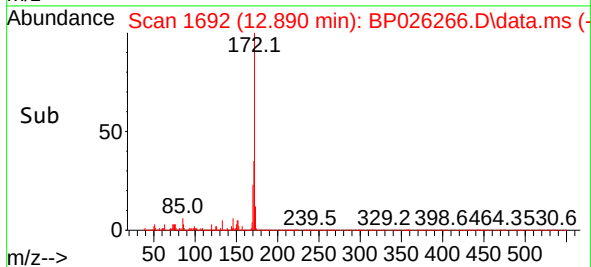
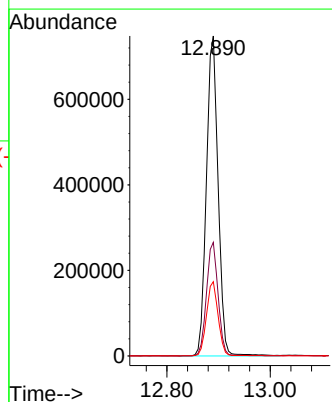
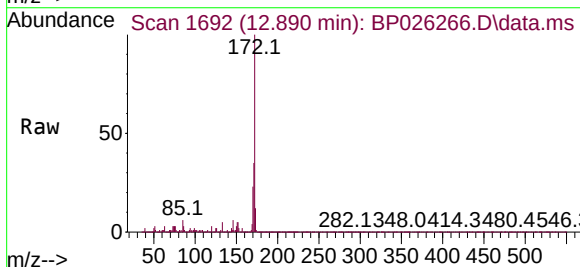
Instrument :
BNA_P
ClientSampleId :
SOIL#1DL

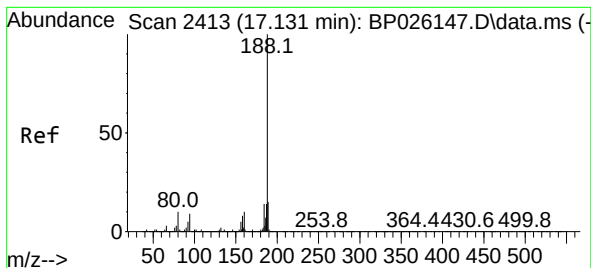
Tgt Ion: 330 Resp: 358053
Ion Ratio Lower Upper
330 100
332 96.7 78.0 117.0
141 32.6 26.8 40.2



#45
2-Fluorobiphenyl
Concen: 25.353 ng
RT: 12.890 min Scan# 1692
Delta R.T. -0.012 min
Lab File: BP026266.D
Acq: 09 Dec 2025 18:20

Tgt Ion: 172 Resp: 1174204
Ion Ratio Lower Upper
172 100
171 35.5 28.2 42.4
170 23.2 18.7 28.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.089 min Scan# 2413

Delta R.T. -0.006 min

Lab File: BP026266.D

Acq: 09 Dec 2025 18:20

Instrument :

BNA_P

ClientSampleId :

SOIL#1DL

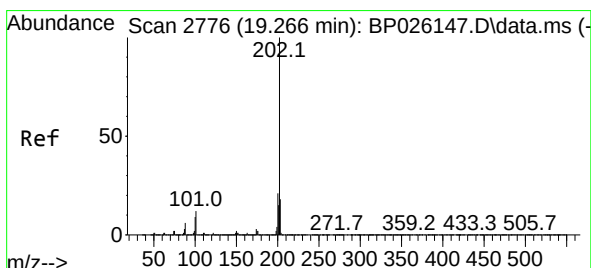
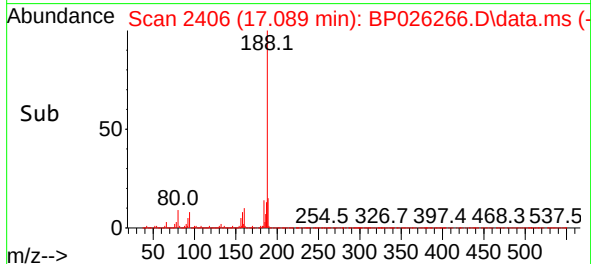
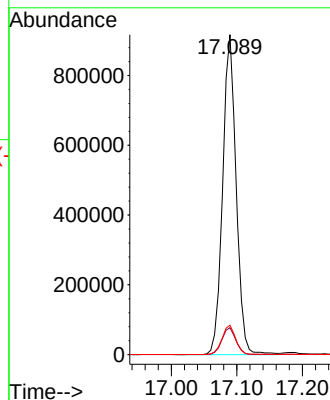
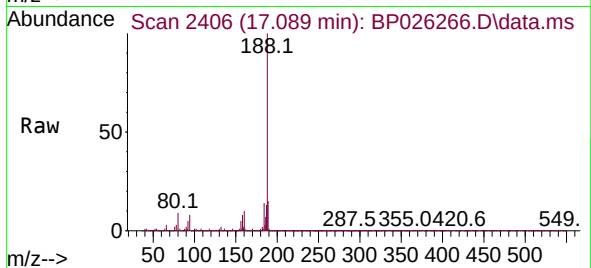
Tgt Ion:188 Resp: 1315488

Ion Ratio Lower Upper

188 100

94 8.4 7.8 11.6

80 9.2 8.2 12.2



#75

Fluoranthene

Concen: 3.198 ng

RT: 19.225 min Scan# 2769

Delta R.T. -0.012 min

Lab File: BP026266.D

Acq: 09 Dec 2025 18:20

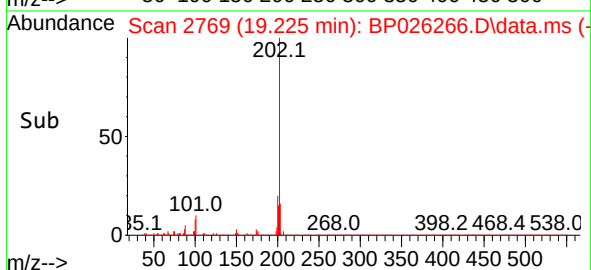
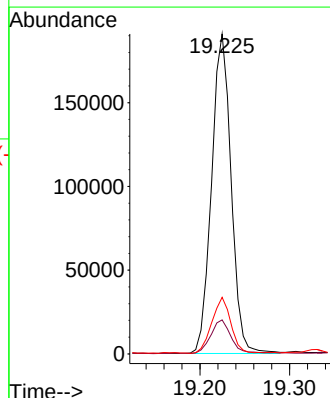
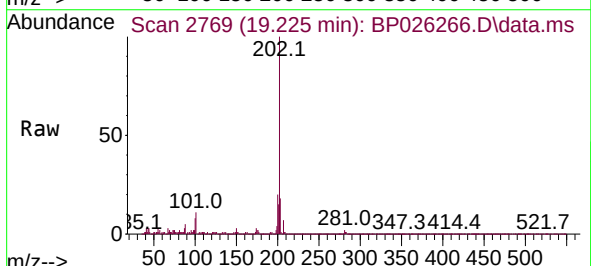
Tgt Ion:202 Resp: 288668

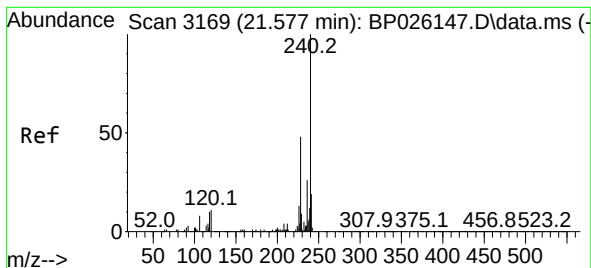
Ion Ratio Lower Upper

202 100

101 10.6 0.0 31.2

203 17.7 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.525 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP026266.D

Acq: 09 Dec 2025 18:20

Instrument :

BNA_P

ClientSampleId :

SOIL#1DL

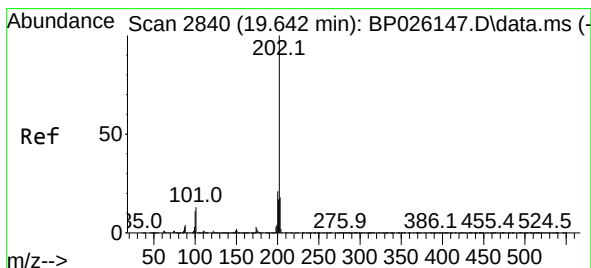
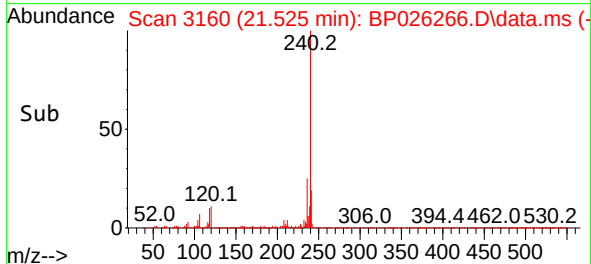
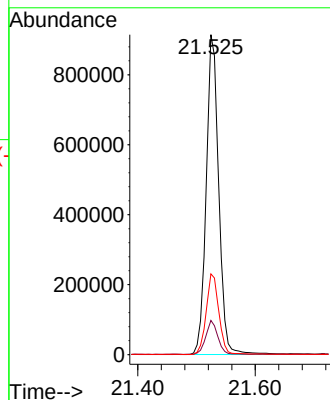
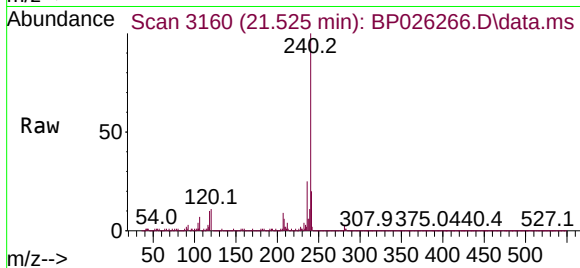
Tgt Ion:240 Resp: 1351646

Ion Ratio Lower Upper

240 100

120 10.7 9.0 13.4

236 25.2 20.4 30.6



#78

Pyrene

Concen: 2.575 ng

RT: 19.601 min Scan# 2833

Delta R.T. -0.012 min

Lab File: BP026266.D

Acq: 09 Dec 2025 18:20

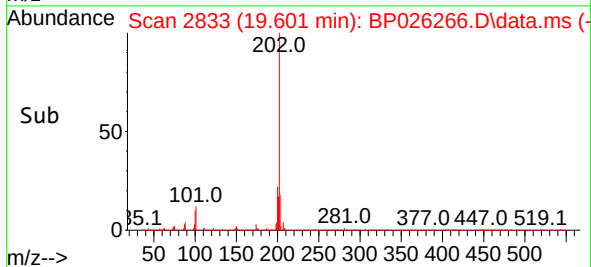
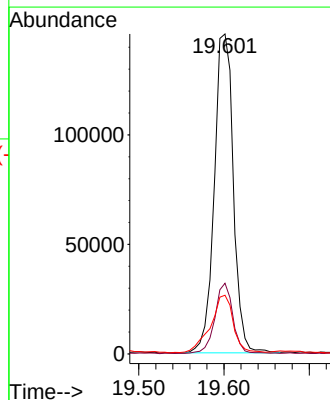
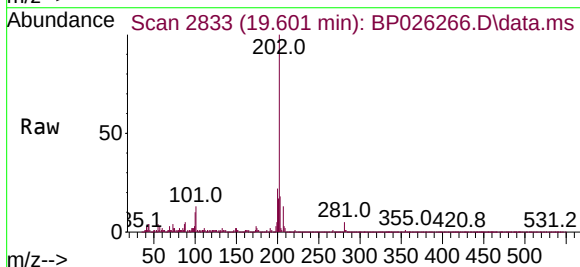
Tgt Ion:202 Resp: 226778

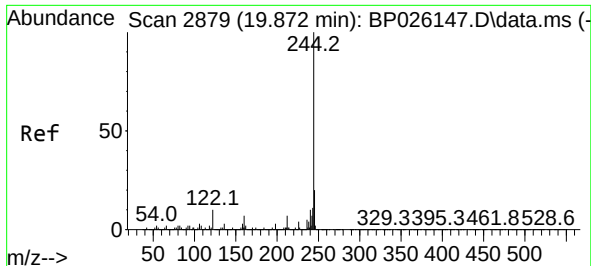
Ion Ratio Lower Upper

202 100

200 22.1 16.9 25.3

203 18.3 13.8 20.8

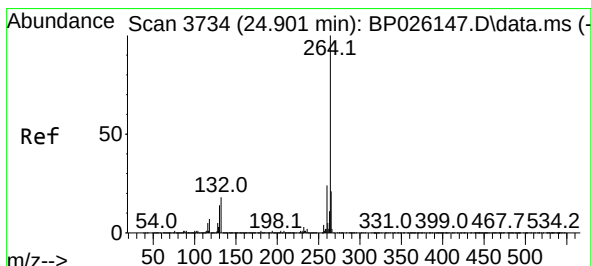
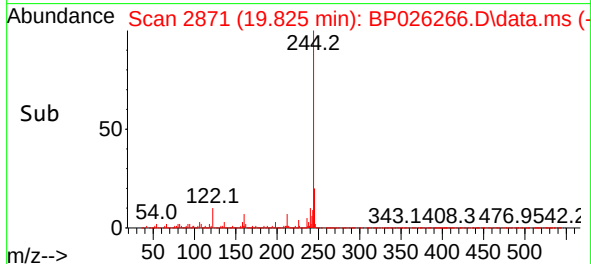
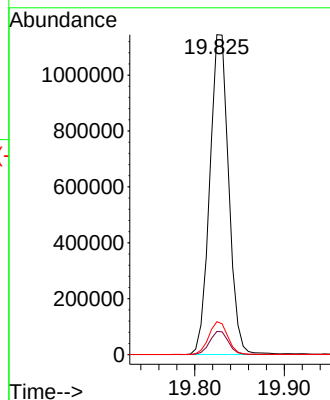
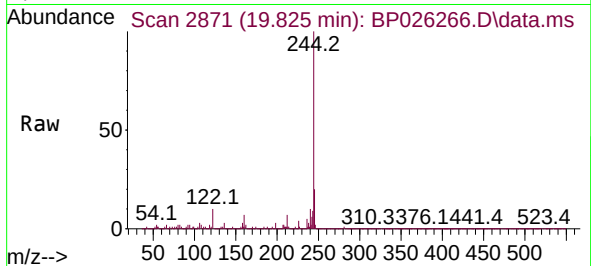




#79
 Terphenyl-d14
 Concen: 25.402 ng
 RT: 19.825 min Scan# 2879
 Delta R.T. -0.012 min
 Lab File: BP026266.D
 Acq: 09 Dec 2025 18:20

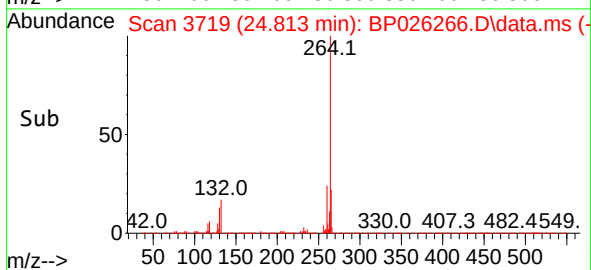
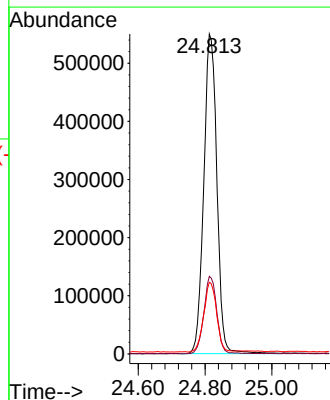
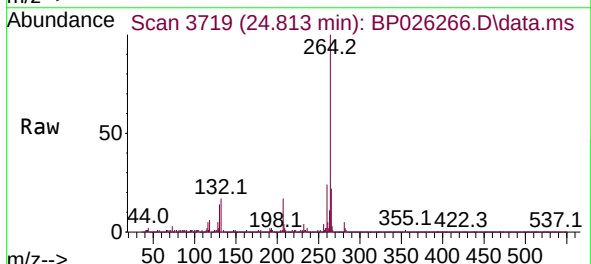
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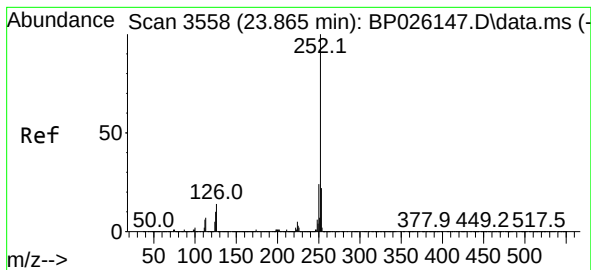
Tgt Ion:244 Resp: 1679850
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.8
 122 10.3 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.813 min Scan# 3719
 Delta R.T. -0.012 min
 Lab File: BP026266.D
 Acq: 09 Dec 2025 18:20

Tgt Ion:264 Resp: 1496180
 Ion Ratio Lower Upper
 264 100
 260 24.2 18.7 28.1
 265 22.4 17.5 26.3





#88

Benzo(b)fluoranthene

Concen: 2.778 ng

RT: 23.777 min Scan# 3543

Delta R.T. -0.018 min

Lab File: BP026266.D

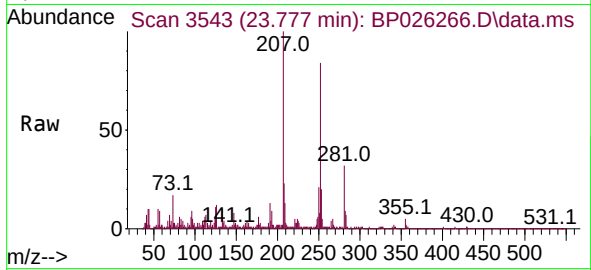
Acq: 09 Dec 2025 18:20

Instrument :

BNA_P

ClientSampleId :

SOIL#1DL



Tgt Ion:252 Resp: 252565

Ion Ratio Lower Upper

252 100

253 23.9 17.6 26.4

125 13.4 8.2 12.4#

