

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111225\
 Data File : BP026123.D
 Acq On : 12 Nov 2025 22:06
 Operator : RC/JU
 Sample : Q3599-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LIVINGSTON-SOIL

Quant Time: Nov 13 01:15:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 30 11:51:34 2025
 Response via : Initial Calibration

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

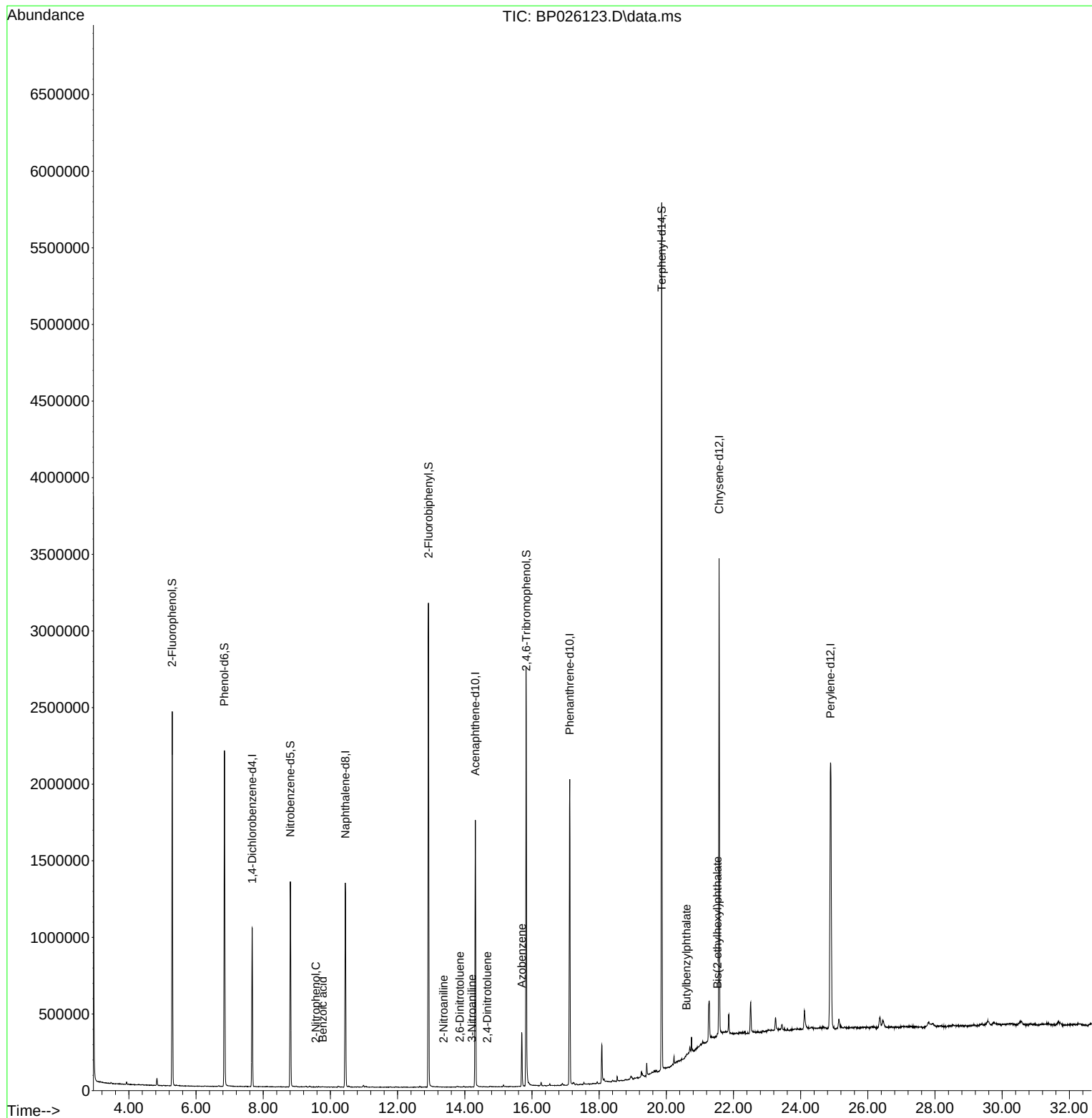
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.672	152	300202	20.000	ng	-0.02
21) Naphthalene-d8	10.443	136	1135357	20.000	ng	-0.01
39) Acenaphthene-d10	14.313	164	673336	20.000	ng	0.00
64) Phenanthrene-d10	17.125	188	1389510	20.000	ng	0.00
76) Chrysene-d12	21.572	240	1661991	20.000	ng	0.00
86) Perylene-d12	24.889	264	1902470	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.290	112	1083802	59.573	ng	0.00
7) Phenol-d6	6.843	99	1324923	57.217	ng	-0.01
23) Nitrobenzene-d5	8.808	82	738942	40.574	ng	-0.02
42) 2,4,6-Tribromophenol	15.831	330	504231	69.268	ng	0.00
45) 2-Fluorobiphenyl	12.919	172	1674712	35.739	ng	-0.01
79) Terphenyl-d14	19.866	244	3048855	37.270	ng	0.00
Target Compounds						
						Qvalue
26) 2-Nitrophenol	9.566	139	34	2.682	ng	# 10
32) Benzoic acid	9.772	122	84	3.127	ng	# 1
48) 2-Nitroaniline	13.366	65	339	2.940	ng	# 18
51) 2,6-Dinitrotoluene	13.854	165	525	3.045	ng	# 68
53) 3-Nitroaniline	14.213	138	66	2.643	ng	# 36
57) 2,4-Dinitrotoluene	14.672	165	36	3.089	ng	# 53
63) Azobenzene	15.695	77	108456	2.430	ng	# 1
80) Butylbenzylphthalate	20.601	149	1848	3.438	ng	# 83
84) Bis(2-ethylhexyl)phtha...	21.525	149	10476	2.745	ng	# 97

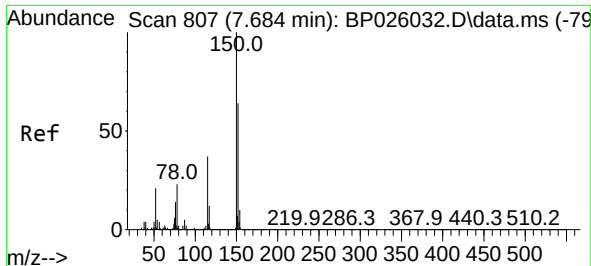
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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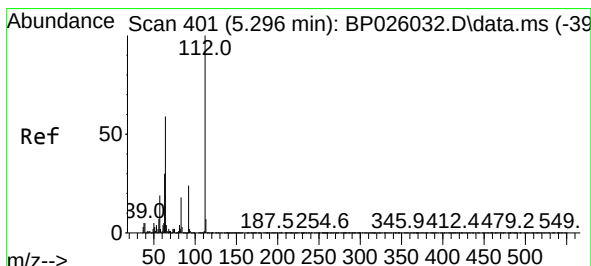
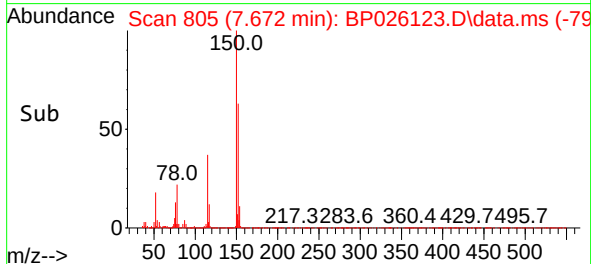
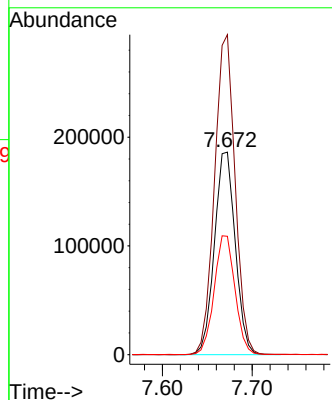
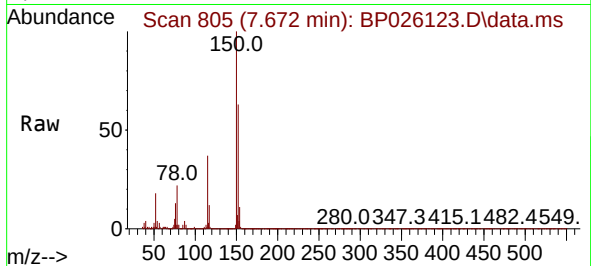




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.672 min Scan# 80
Delta R.T. -0.018 min
Lab File: BP026123.D
Acq: 12 Nov 2025 22:06

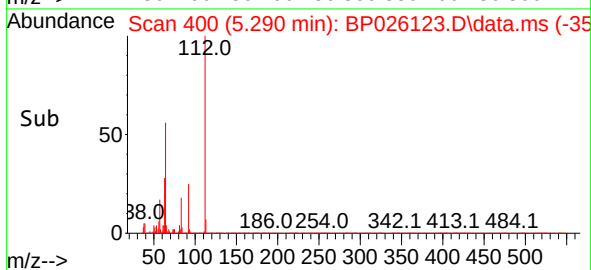
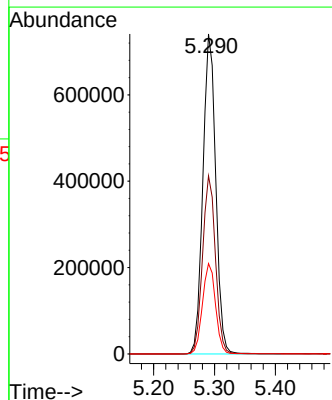
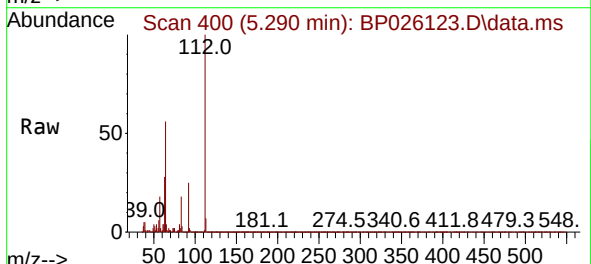
Instrument :
BNA_P
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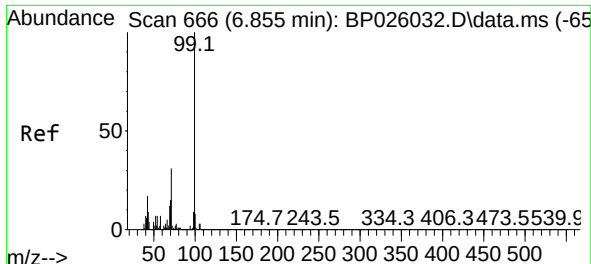
Tgt Ion:152 Resp: 300202
Ion Ratio Lower Upper
152 100
150 158.0 125.7 188.5
115 58.4 46.4 69.6



#5
2-Fluorophenol
Concen: 59.573 ng
RT: 5.290 min Scan# 400
Delta R.T. -0.006 min
Lab File: BP026123.D
Acq: 12 Nov 2025 22:06

Tgt Ion:112 Resp: 1083802
Ion Ratio Lower Upper
112 100
64 55.6 47.4 71.2
63 28.3 24.2 36.4

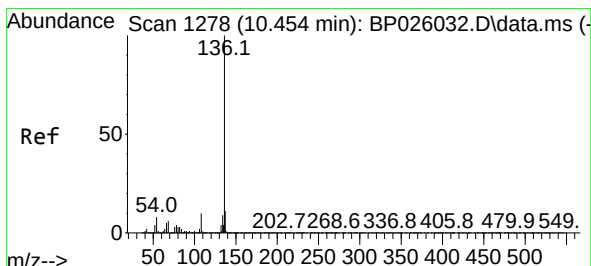
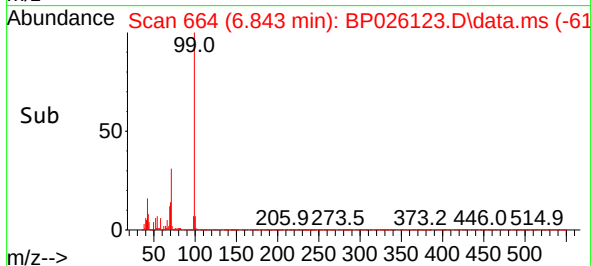
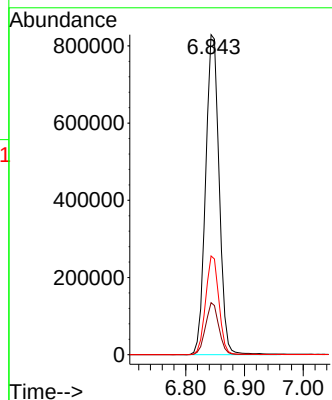
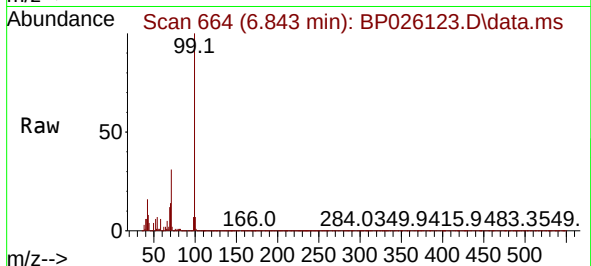




#7
Phenol-d6
Concen: 57.217 ng
RT: 6.843 min Scan# 61
Delta R.T. -0.011 min
Lab File: BP026123.D
Acq: 12 Nov 2025 22:06

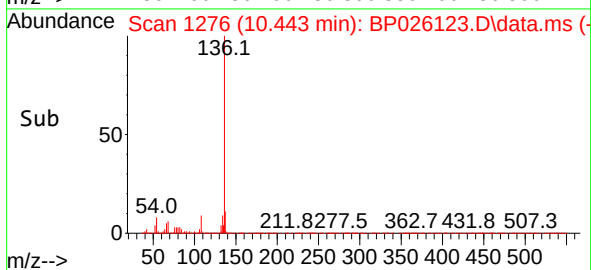
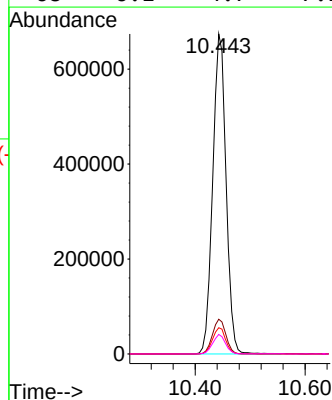
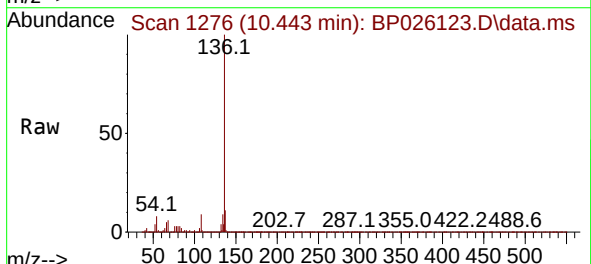
Instrument :
BNA_P
ClientSampleId :
LIVINGSTON-SOIL

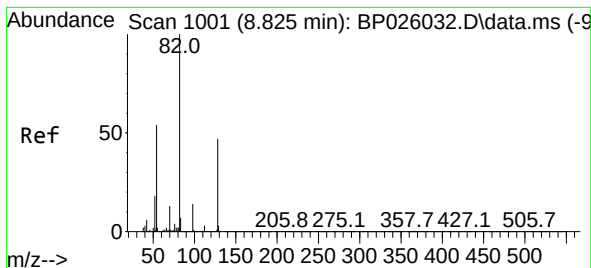
Tgt Ion: 99 Resp: 1324923
Ion Ratio Lower Upper
99 100
42 16.3 13.7 20.5
71 30.9 24.4 36.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.443 min Scan# 1276
Delta R.T. -0.011 min
Lab File: BP026123.D
Acq: 12 Nov 2025 22:06

Tgt Ion:136 Resp: 1135357
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 8.2 6.6 10.0
68 6.1 4.7 7.1





#23

Nitrobenzene-d5

Concen: 40.574 ng

RT: 8.808 min Scan# 91

Delta R.T. -0.017 min

Lab File: BP026123.D

Acq: 12 Nov 2025 22:06

Instrument :

BNA_P

ClientSampleId :

LIVINGSTON-SOIL

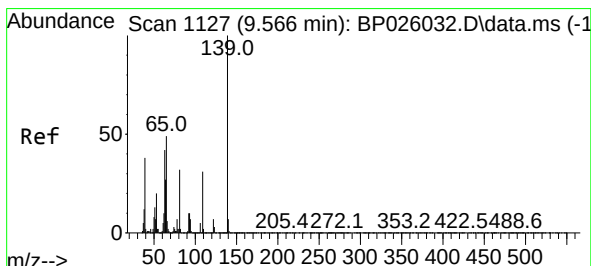
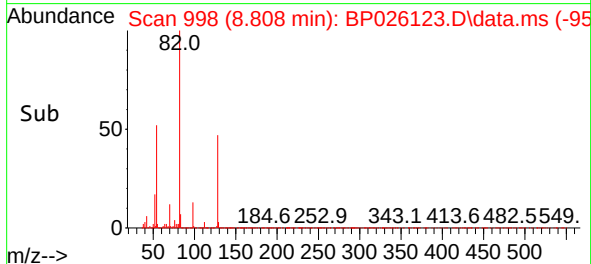
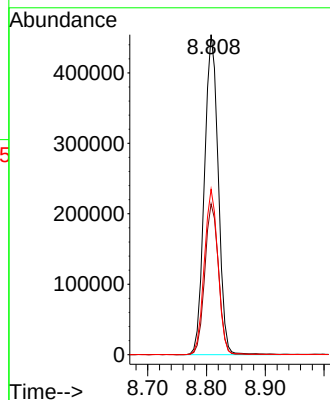
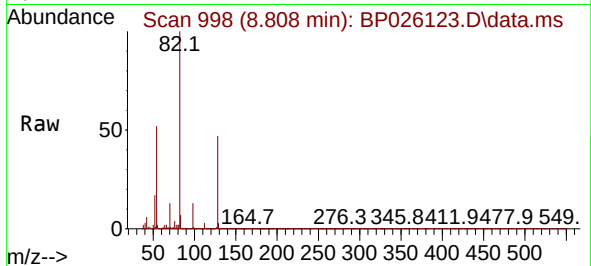
Tgt Ion: 82 Resp: 738942

Ion Ratio Lower Upper

82 100

128 47.1 37.4 56.0

54 51.7 42.7 64.1



#26

2-Nitrophenol

Concen: 2.682 ng

RT: 9.566 min Scan# 1127

Delta R.T. 0.000 min

Lab File: BP026123.D

Acq: 12 Nov 2025 22:06

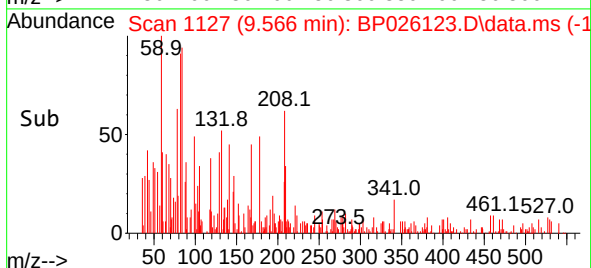
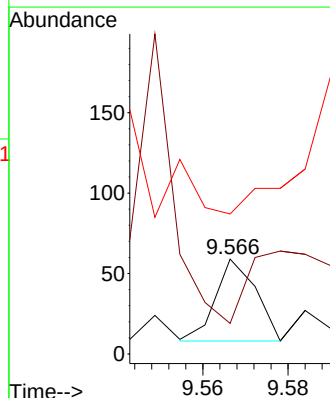
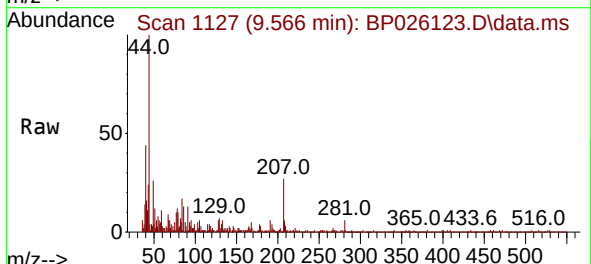
Tgt Ion:139 Resp: 34

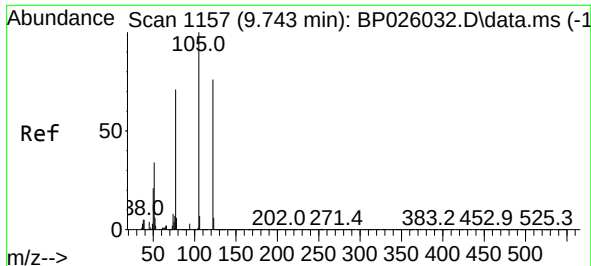
Ion Ratio Lower Upper

139 100

109 32.2 24.8 37.2

65 147.5 39.0 58.4#

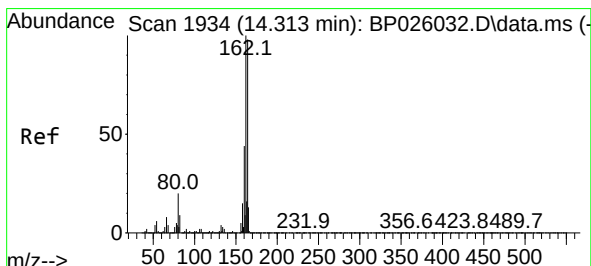
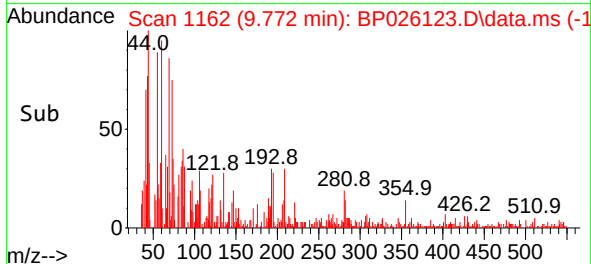
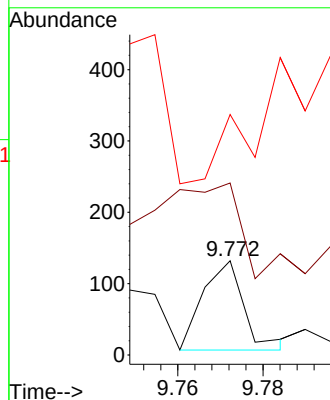
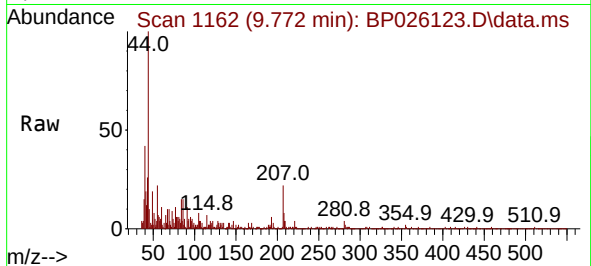




#32
Benzoic acid
Concen: 3.127 ng
RT: 9.772 min Scan# 1157
Delta R.T. -0.006 min
Lab File: BP026123.D
Acq: 12 Nov 2025 22:06

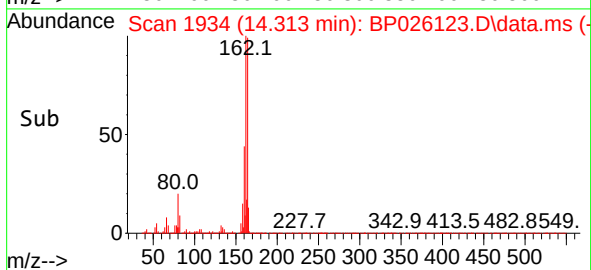
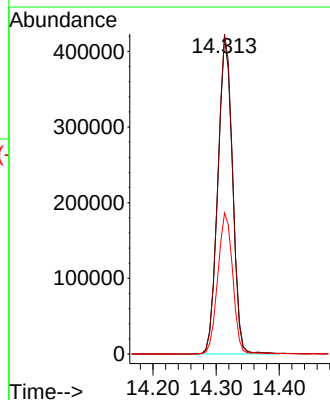
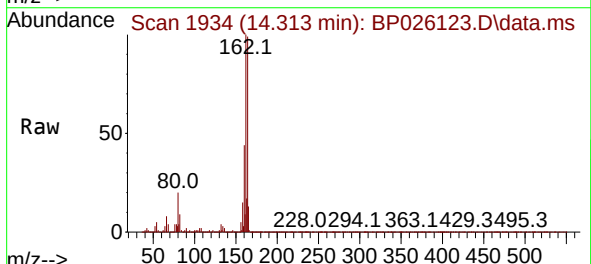
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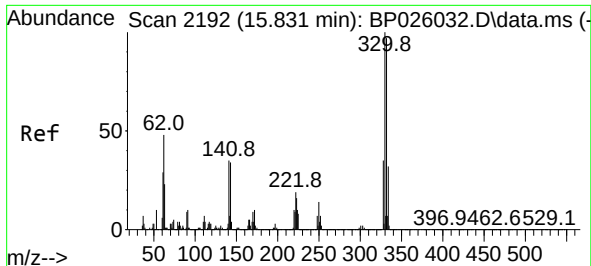
Tgt Ion:122 Resp: 84
Ion Ratio Lower Upper
122 100
105 182.6 104.8 144.8#
77 255.3 70.9 110.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.313 min Scan# 1934
Delta R.T. -0.006 min
Lab File: BP026123.D
Acq: 12 Nov 2025 22:06

Tgt Ion:164 Resp: 673336
Ion Ratio Lower Upper
164 100
162 101.0 81.5 122.3
160 44.5 36.2 54.4

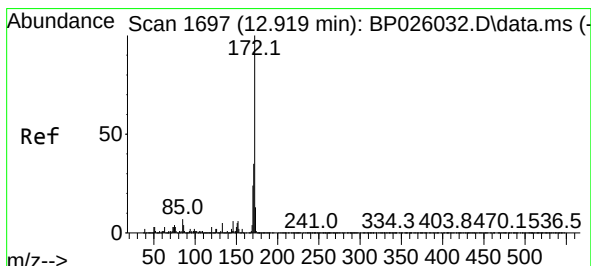
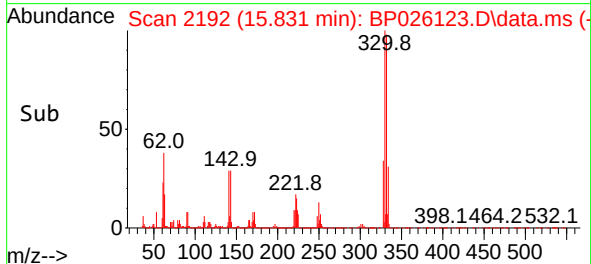
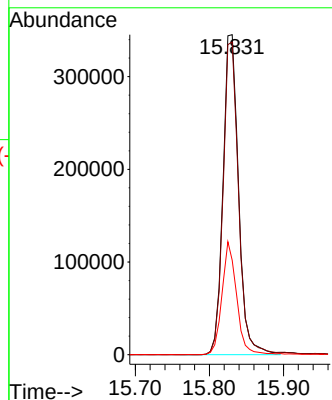
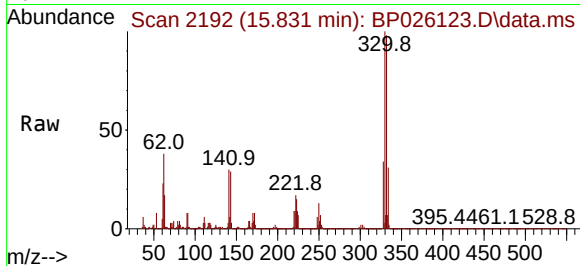




#42
2,4,6-Tribromophenol
Concen: 69.268 ng
RT: 15.831 min Scan# 2192
Delta R.T. 0.000 min
Lab File: BP026123.D
Acq: 12 Nov 2025 22:06

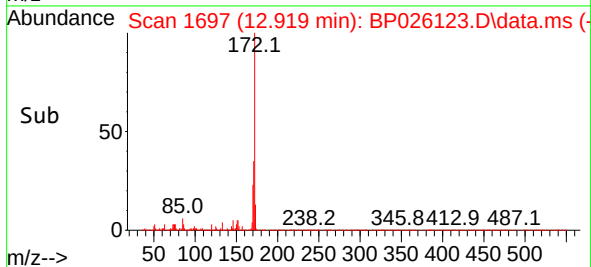
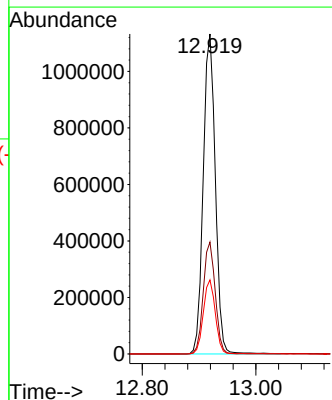
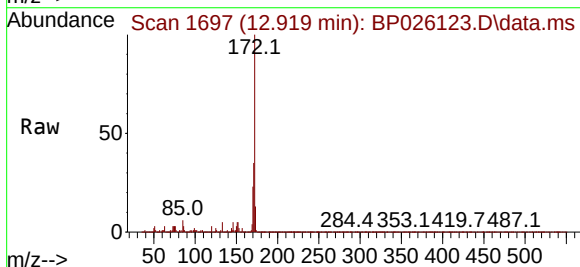
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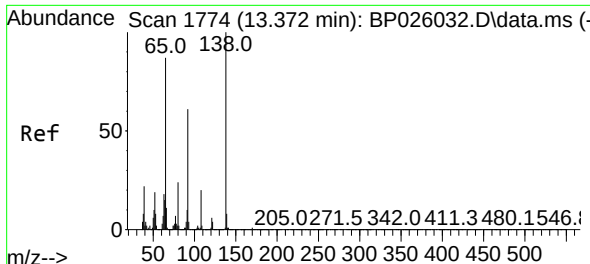
Tgt Ion:330 Resp: 504231
Ion Ratio Lower Upper
330 100
332 97.6 77.3 115.9
141 33.4 28.6 42.8



#45
2-Fluorobiphenyl
Concen: 35.739 ng
RT: 12.919 min Scan# 1697
Delta R.T. -0.012 min
Lab File: BP026123.D
Acq: 12 Nov 2025 22:06

Tgt Ion:172 Resp: 1674712
Ion Ratio Lower Upper
172 100
171 35.0 27.9 41.9
170 23.1 19.0 28.4

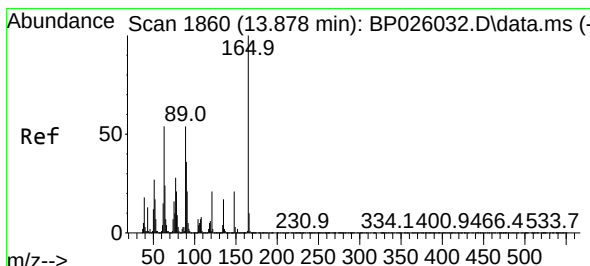
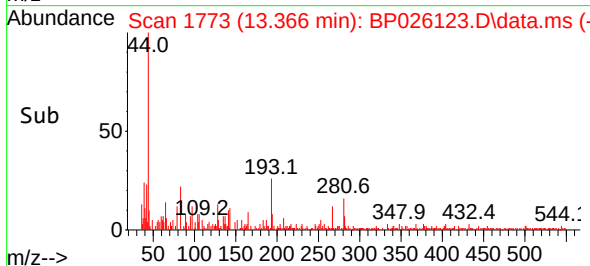
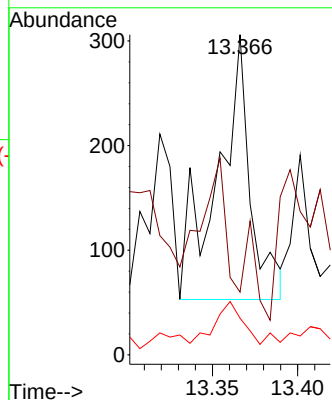
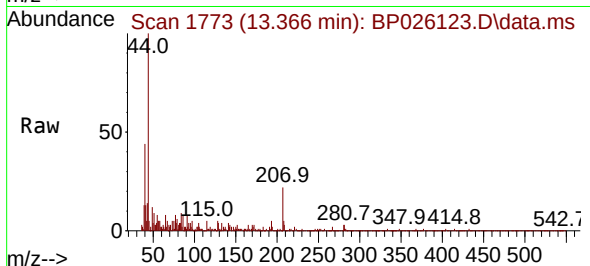




#48
2-Nitroaniline
Concen: 2.940 ng
RT: 13.366 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP026123.D
Acq: 12 Nov 2025 22:06

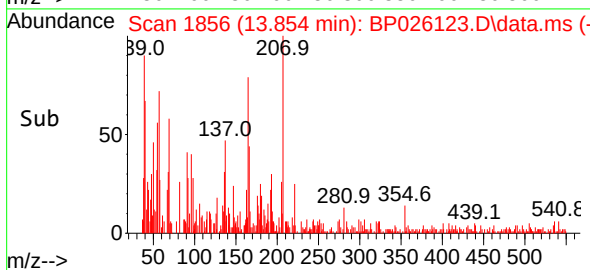
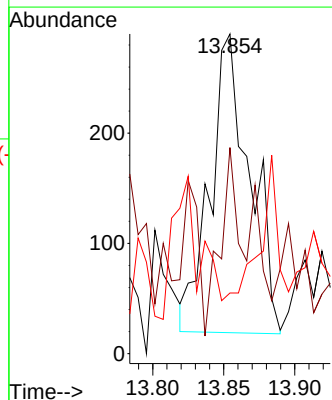
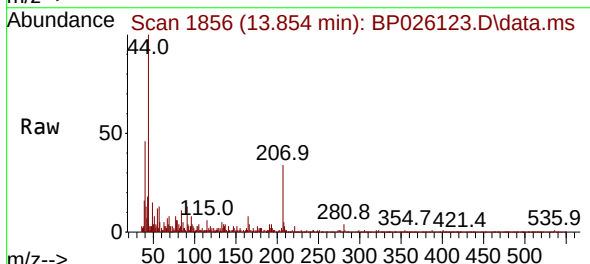
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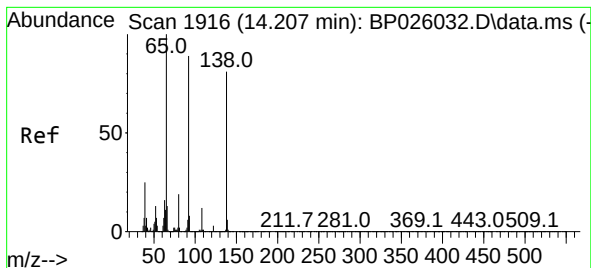
Tgt Ion: 65 Resp: 339
Ion Ratio Lower Upper
65 100
92 19.6 55.5 83.3#
138 11.4 91.7 137.5#



#51
2,6-Dinitrotoluene
Concen: 3.045 ng
RT: 13.854 min Scan# 1856
Delta R.T. -0.024 min
Lab File: BP026123.D
Acq: 12 Nov 2025 22:06

Tgt Ion: 165 Resp: 525
Ion Ratio Lower Upper
165 100
63 64.5 43.0 64.4#
89 19.0 43.0 64.4#

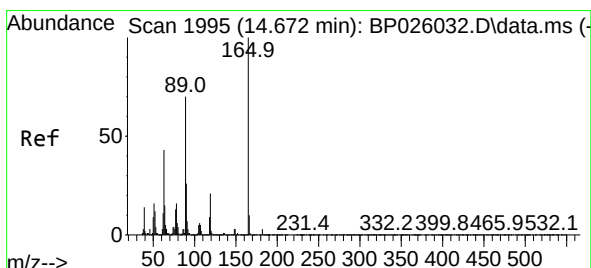
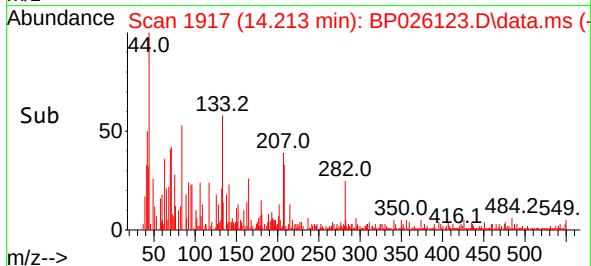
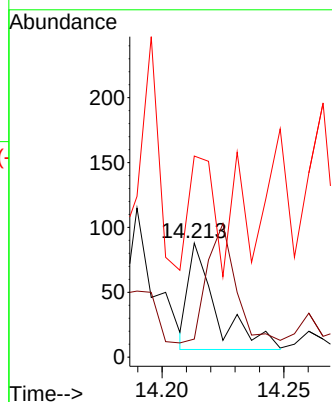
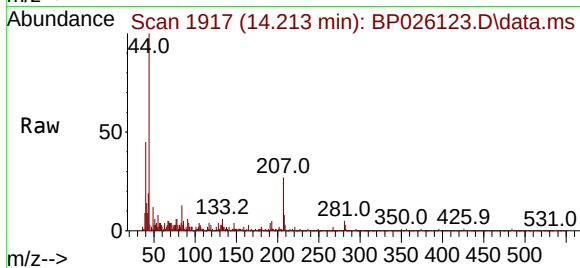




#53
3-Nitroaniline
Concen: 2.643 ng
RT: 14.213 min Scan# 1916
Delta R.T. 0.006 min
Lab File: BP026123.D
Acq: 12 Nov 2025 22:06

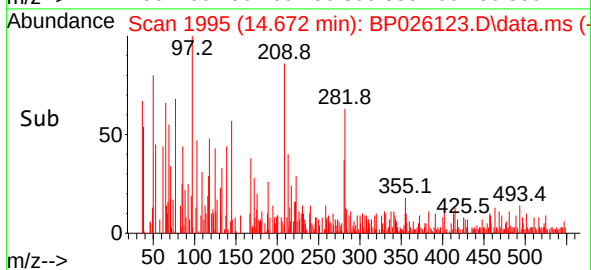
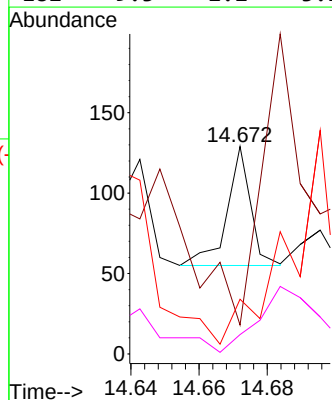
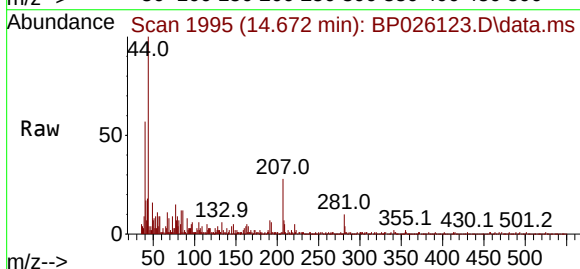
Instrument :
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LIVINGSTON-SOIL

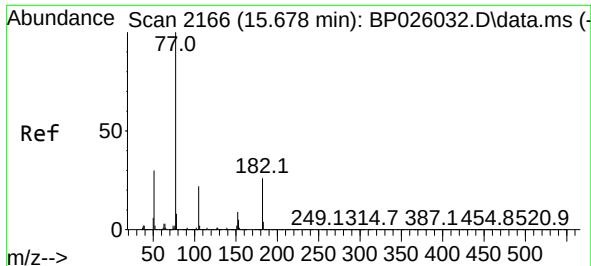
Tgt Ion:138 Resp: 66
Ion Ratio Lower Upper
138 100
108 72.3 11.4 17.0#
92 164.9 87.1 130.7#



#57
2,4-Dinitrotoluene
Concen: 3.089 ng
RT: 14.672 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BP026123.D
Acq: 12 Nov 2025 22:06

Tgt Ion:165 Resp: 36
Ion Ratio Lower Upper
165 100
63 18.6 34.2 51.2#
89 26.4 56.0 84.0#
182 9.3 2.2 3.2#

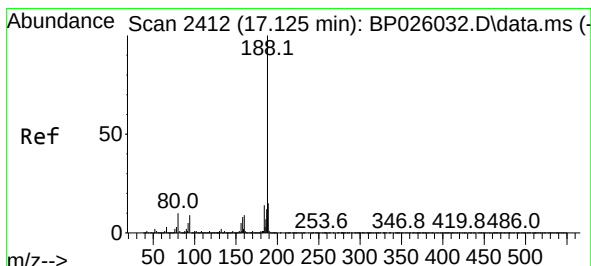
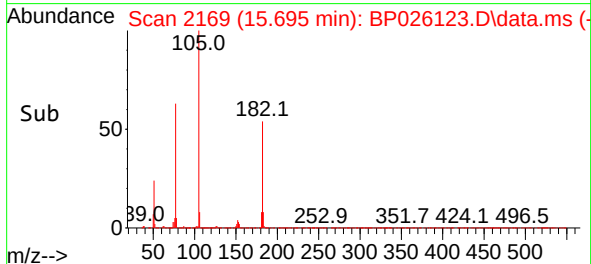
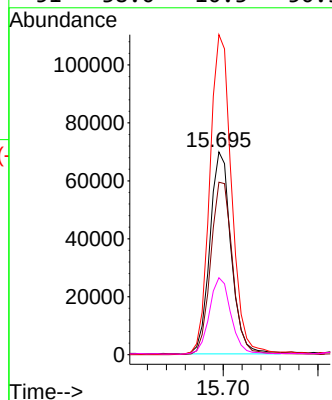
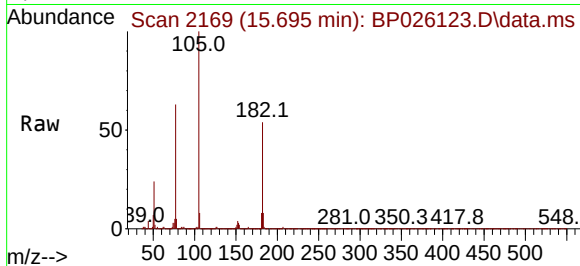




#63
Azobenzene
Concen: 2.430 ng
RT: 15.695 min Scan# 2169
Delta R.T. 0.006 min
Lab File: BP026123.D
Acq: 12 Nov 2025 22:06

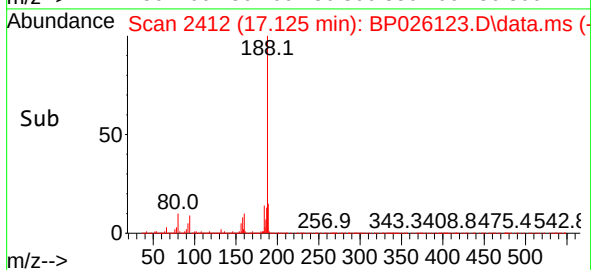
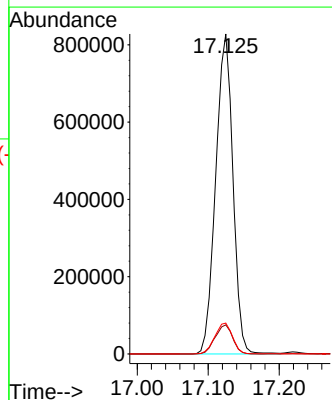
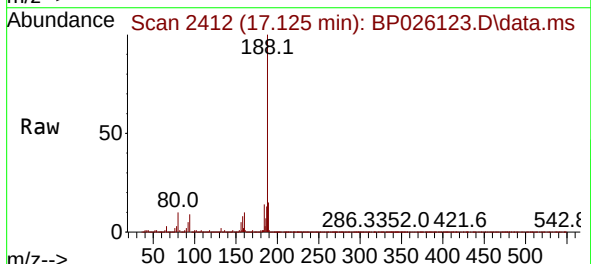
Instrument :
BNA_P
ClientSampleId :
LIVINGSTON-SOIL

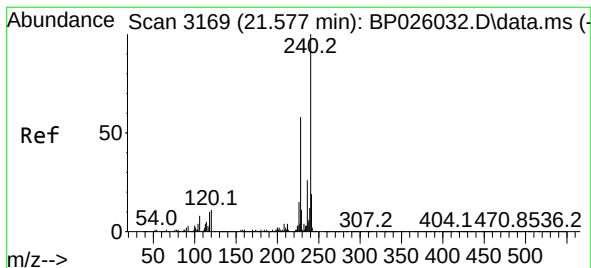
Tgt Ion: 77 Resp: 108456
Ion Ratio Lower Upper
77 100
182 85.1 6.4 46.4#
105 157.9 2.2 42.2#
51 38.0 10.3 50.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.125 min Scan# 2412
Delta R.T. 0.000 min
Lab File: BP026123.D
Acq: 12 Nov 2025 22:06

Tgt Ion:188 Resp: 1389510
Ion Ratio Lower Upper
188 100
94 9.1 7.1 10.7
80 9.6 7.9 11.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.572 min Scan# 3168

Delta R.T. 0.006 min

Lab File: BP026123.D

Acq: 12 Nov 2025 22:06

Instrument :

BNA_P

ClientSampleId :

LIVINGSTON-SOIL

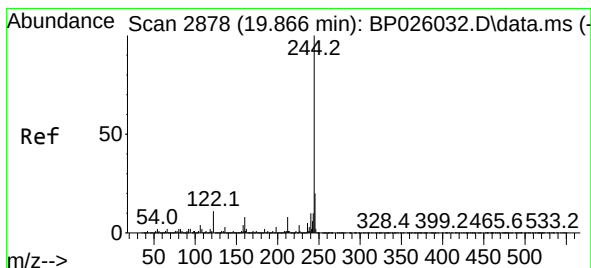
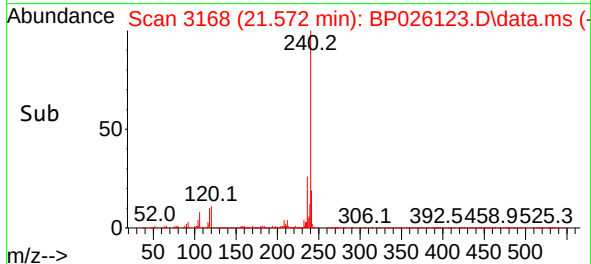
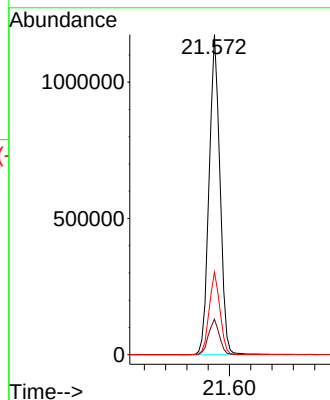
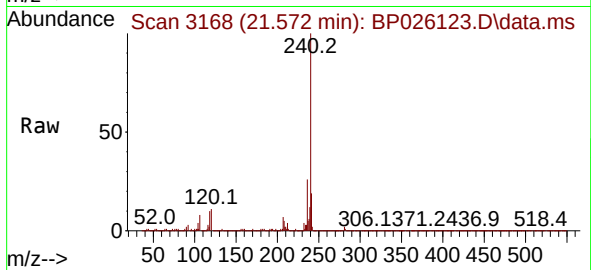
Tgt Ion:240 Resp: 1661991

Ion Ratio Lower Upper

240 100

120 11.1 8.9 13.3

236 25.9 20.6 31.0



#79

Terphenyl-d14

Concen: 37.270 ng

RT: 19.866 min Scan# 2878

Delta R.T. 0.000 min

Lab File: BP026123.D

Acq: 12 Nov 2025 22:06

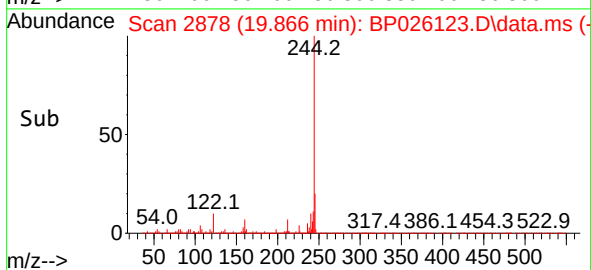
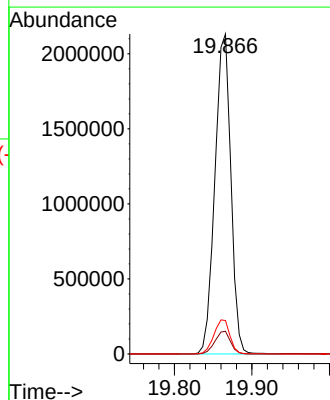
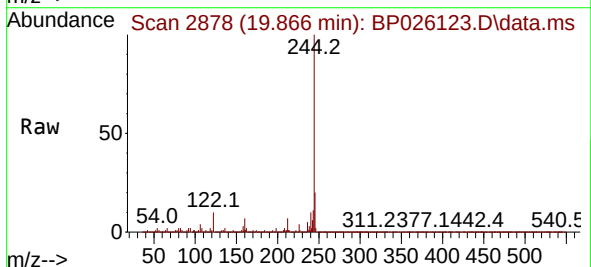
Tgt Ion:244 Resp: 3048855

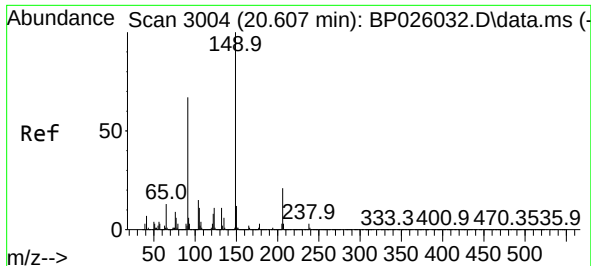
Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

122 10.5 9.0 13.6

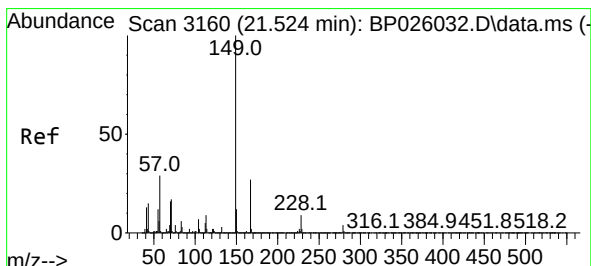
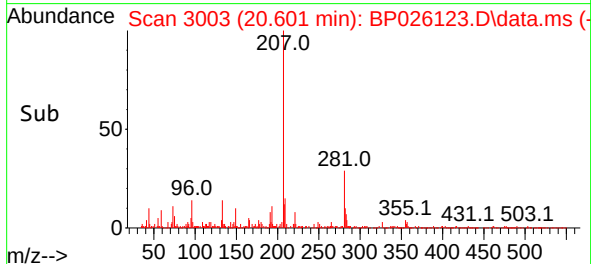
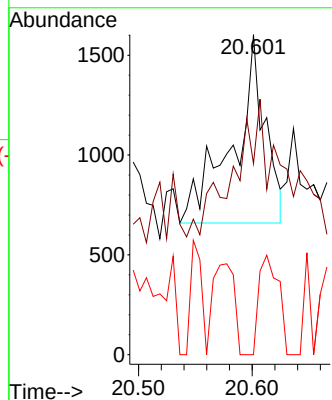
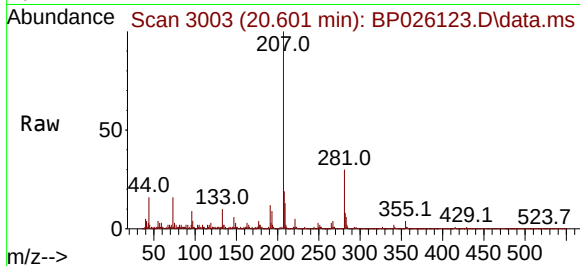




#80
 Butylbenzylphthalate
 Concen: 3.438 ng
 RT: 20.601 min Scan# 3004
 Delta R.T. -0.006 min
 Lab File: BP026123.D
 Acq: 12 Nov 2025 22:06

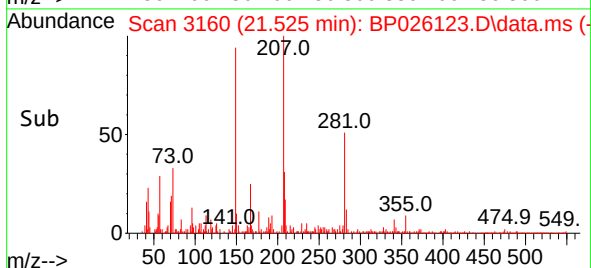
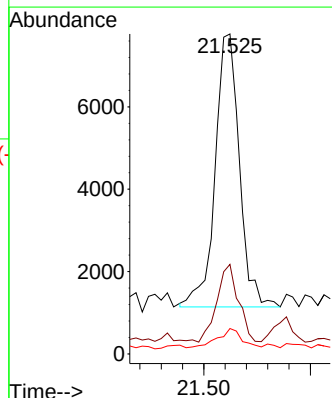
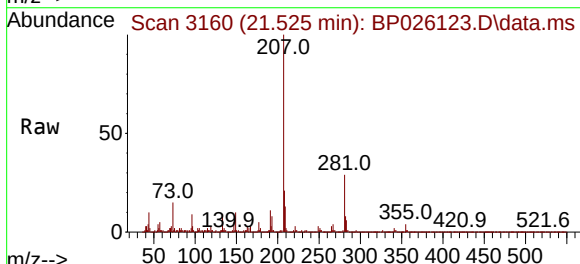
Instrument :
 BNA_P
 ClientSampleId :
 LIVINGSTON-SOIL

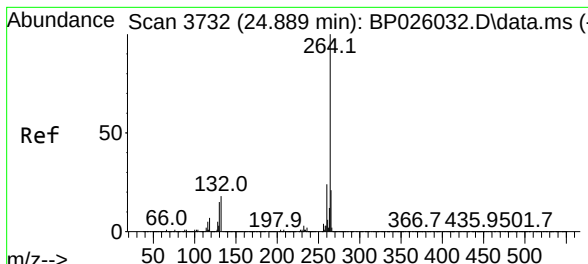
Tgt Ion:149 Resp: 1848
 Ion Ratio Lower Upper
 149 100
 91 59.7 53.5 80.3
 206 0.0 16.6 25.0#



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.745 ng
 RT: 21.525 min Scan# 3160
 Delta R.T. 0.007 min
 Lab File: BP026123.D
 Acq: 12 Nov 2025 22:06

Tgt Ion:149 Resp: 10476
 Ion Ratio Lower Upper
 149 100
 167 28.0 21.5 32.3
 279 8.0 3.0 4.6#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.889 min Scan# 31
 Delta R.T. 0.006 min
 Lab File: BP026123.D
 Acq: 12 Nov 2025 22:06

Instrument :
 BNA_P
 ClientSampleId :
 LIVINGSTON-SOIL

Tgt Ion: 264 Resp: 1902470

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.1	28.7
265	21.5	17.2	25.8

