

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032723\
 Data File : BP014320.D
 Acq On : 27 Mar 2023 19:32
 Operator : CG/JU
 Sample : 02070-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SOILPILE-1-0323

Quant Time: Mar 28 02:11:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 25 03:19:01 2023
 Response via : Initial Calibration

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

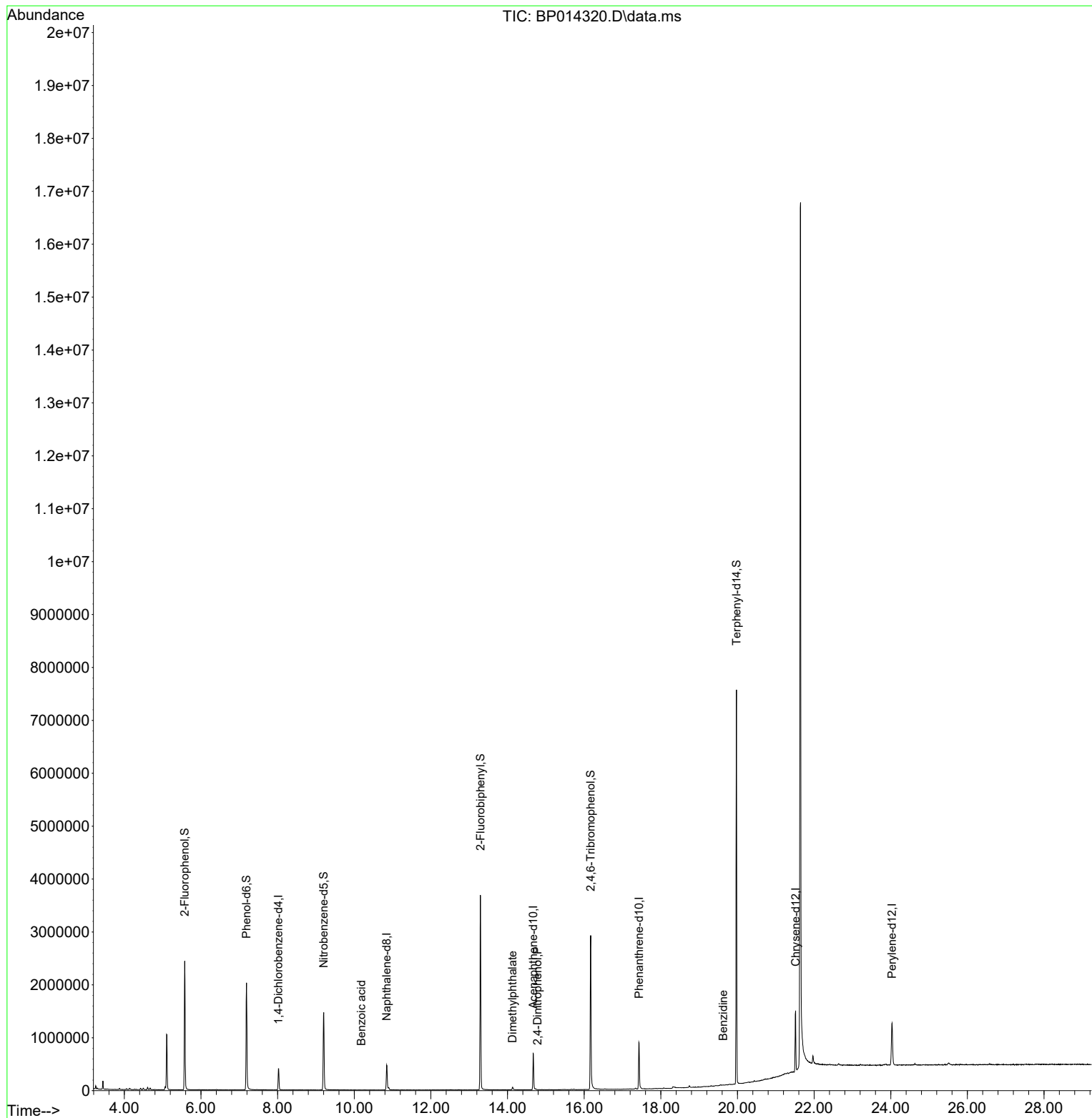
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.022	152	103981	20.000	ng	0.00
21) Naphthalene-d8	10.846	136	387111	20.000	ng	# 0.00
39) Acenaphthene-d10	14.669	164	237561	20.000	ng	0.00
64) Phenanthrene-d10	17.434	188	547428	20.000	ng	# 0.00
76) Chrysene-d12	21.516	240	576053	20.000	ng	# 0.00
86) Perylene-d12	24.033	264	657159	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	948882	147.993	ng	0.00
7) Phenol-d6	7.187	99	1130639	134.311	ng	0.00
23) Nitrobenzene-d5	9.205	82	894506	105.613	ng	0.00
42) 2,4,6-Tribromophenol	16.169	330	571143	148.283	ng	0.00
45) 2-Fluorobiphenyl	13.293	172	1803291	98.346	ng	0.00
79) Terphenyl-d14	19.975	244	3505664	100.349	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	10.187	122	15	2.704	ng	# 1
50) Dimethylphthalate	14.134	163	40141	2.048	ng	# 96
54) 2,4-Dinitrophenol	14.781	184	17	3.084	ng	# 1
77) Benzidine	19.628	184	184	2.848	ng	# 1

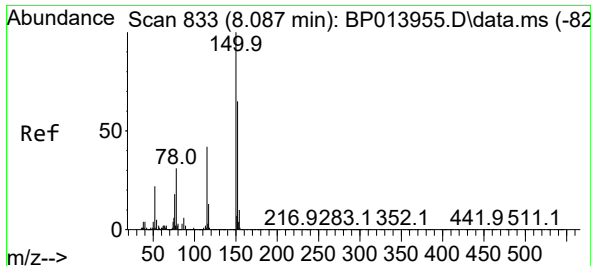
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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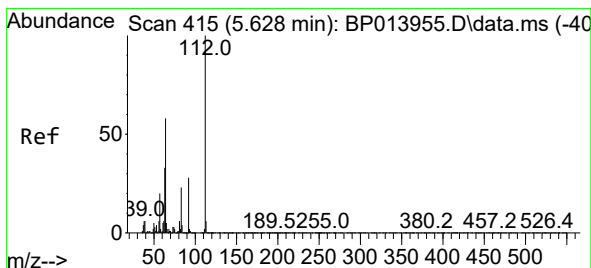
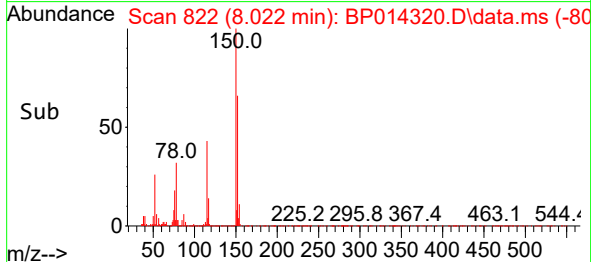
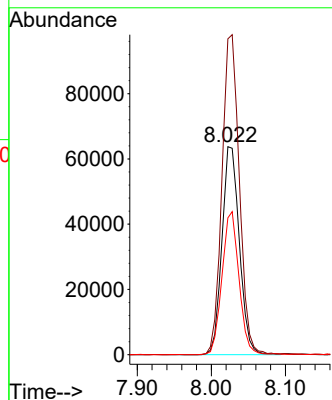
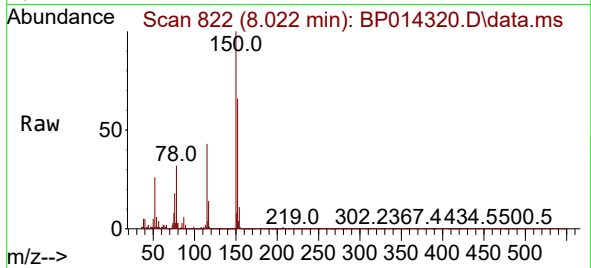




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.022 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP014320.D
Acq: 27 Mar 2023 19:32

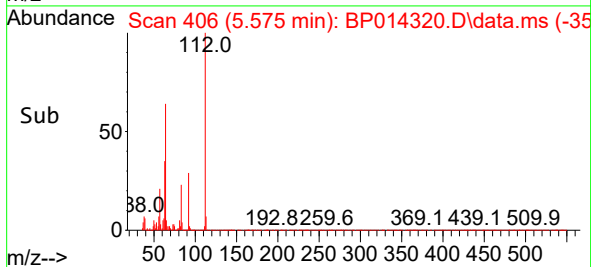
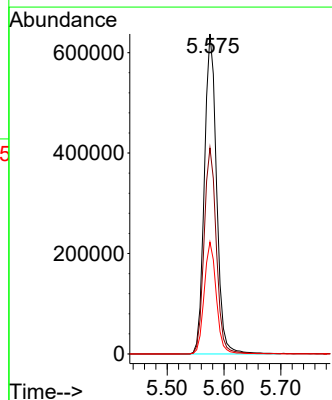
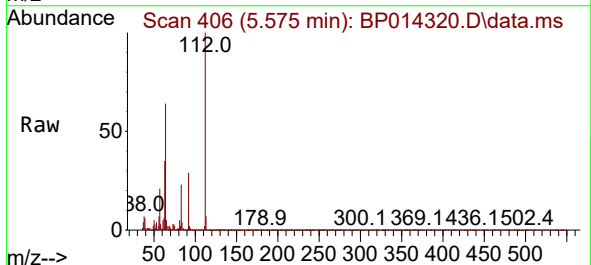
Instrument :
BNA_P
ClientSampleId :
SOILPILE-1-0323

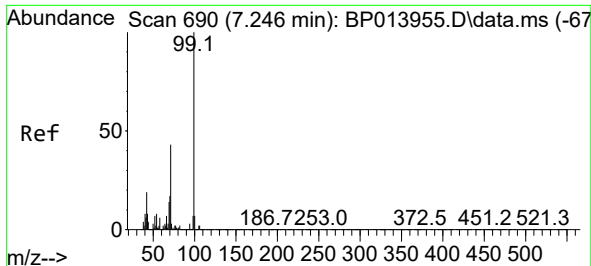
Tgt Ion:152 Resp: 103981
Ion Ratio Lower Upper
152 100
150 151.9 122.3 183.5
115 65.8 51.6 77.4



#5
2-Fluorophenol
Concen: 147.993 ng
RT: 5.575 min Scan# 406
Delta R.T. 0.000 min
Lab File: BP014320.D
Acq: 27 Mar 2023 19:32

Tgt Ion:112 Resp: 948882
Ion Ratio Lower Upper
112 100
64 64.4 46.7 70.1
63 35.0 26.6 40.0

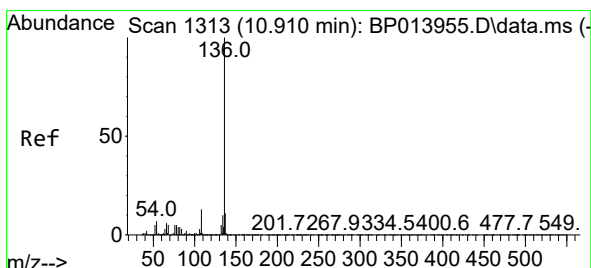
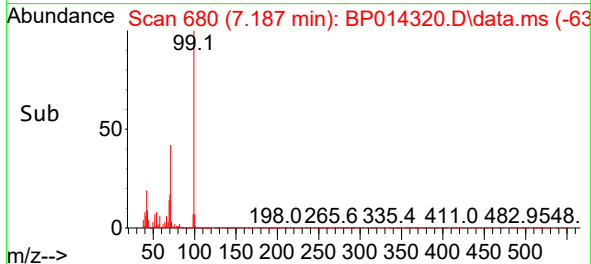
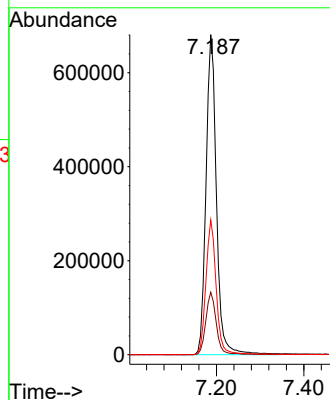
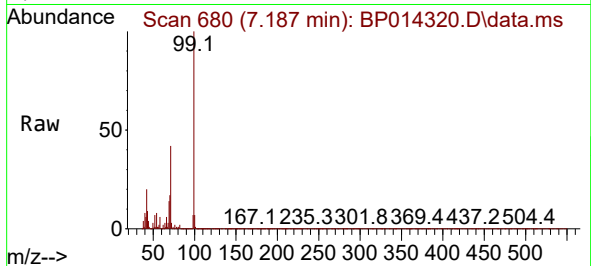




#7
Phenol-d6
Concen: 134.311 ng
RT: 7.187 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP014320.D
Acq: 27 Mar 2023 19:32

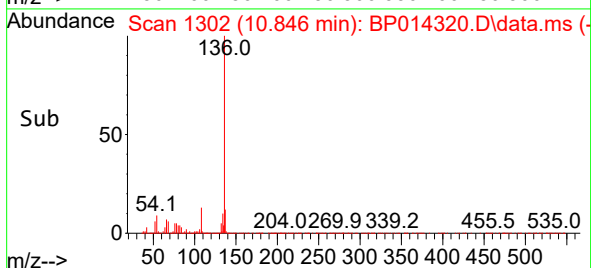
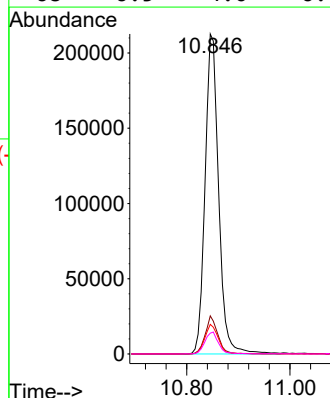
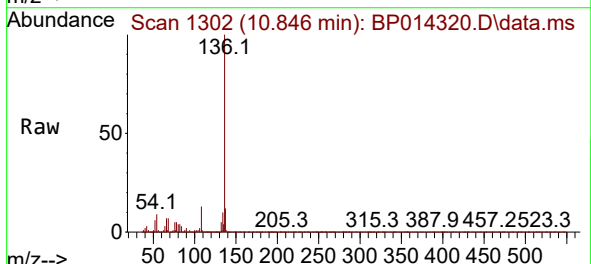
Instrument :
BNA_P
ClientSampleId :
SOILPILE-1-0323

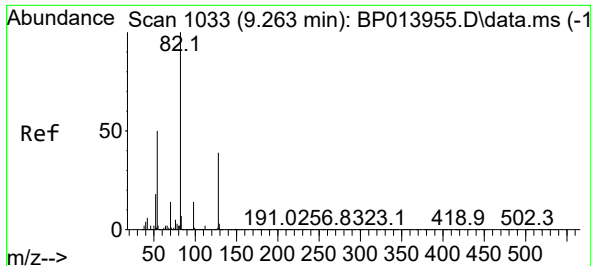
Tgt Ion: 99 Resp: 1130639
Ion Ratio Lower Upper
99 100
42 19.5 15.0 22.6
71 42.1 34.3 51.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.846 min Scan# 1302
Delta R.T. -0.006 min
Lab File: BP014320.D
Acq: 27 Mar 2023 19:32

Tgt Ion:136 Resp: 387111
Ion Ratio Lower Upper
136 100
137 11.9 8.7 13.1
54 9.2 5.8 8.8#
68 6.5 4.0 6.0#

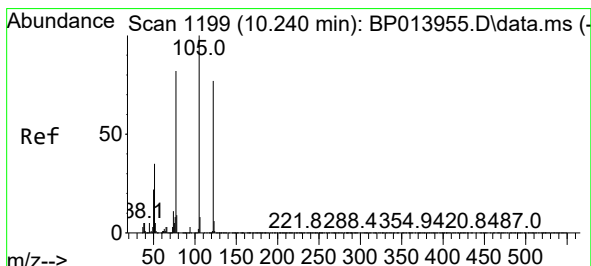
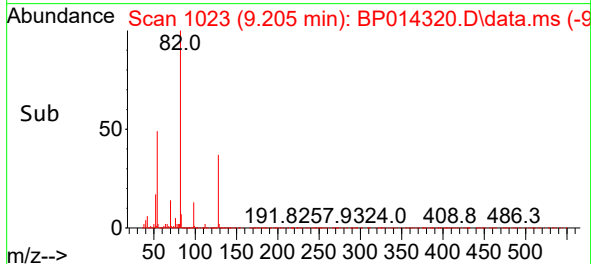
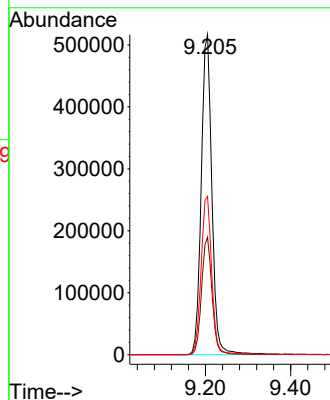
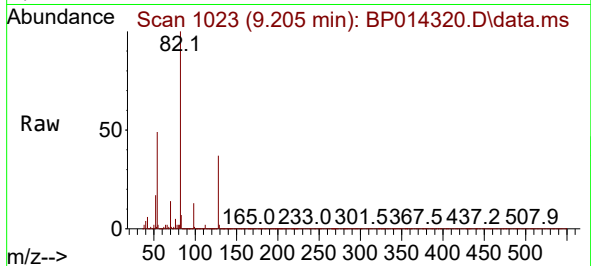




#23
Nitrobenzene-d5
Concen: 105.613 ng
RT: 9.205 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BP014320.D
Acq: 27 Mar 2023 19:32

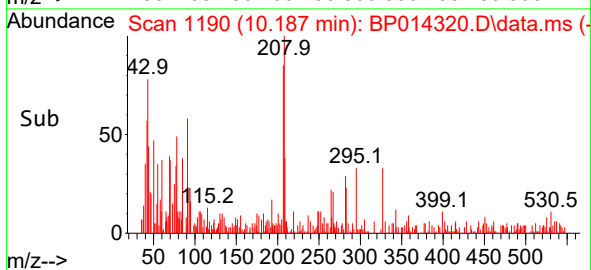
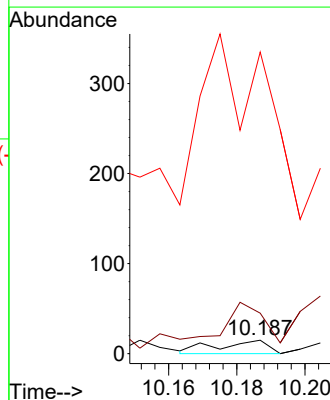
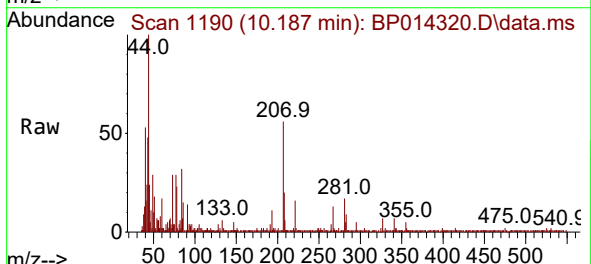
Instrument :
BNA_P
ClientSampleId :
SOILPILE-1-0323

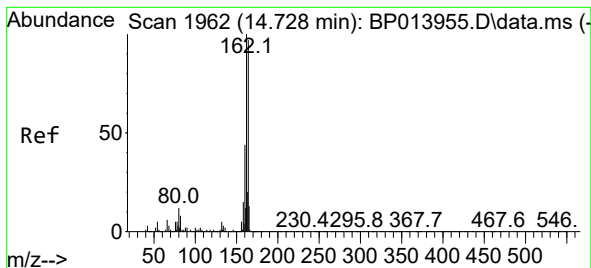
Tgt Ion: 82 Resp: 894506
Ion Ratio Lower Upper
82 100
128 36.7 31.1 46.7
54 49.5 40.0 60.0



#32
Benzoic acid
Concen: 2.704 ng
RT: 10.187 min Scan# 1190
Delta R.T. 0.006 min
Lab File: BP014320.D
Acq: 27 Mar 2023 19:32

Tgt Ion:122 Resp: 15
Ion Ratio Lower Upper
122 100
105 300.0 108.2 148.2#
77 2233.3 85.2 125.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.669 min Scan# 1962

Delta R.T. -0.006 min

Lab File: BP014320.D

Acq: 27 Mar 2023 19:32

Instrument :

BNA_P

ClientSampleId :

SOILPILE-1-0323

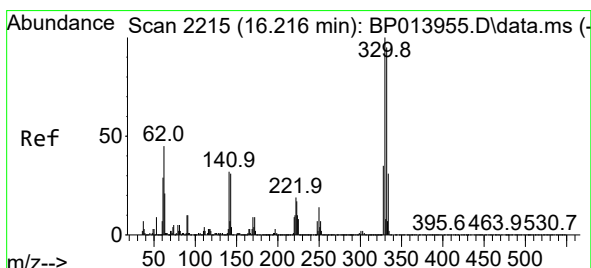
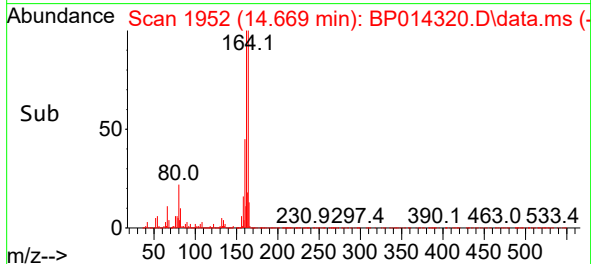
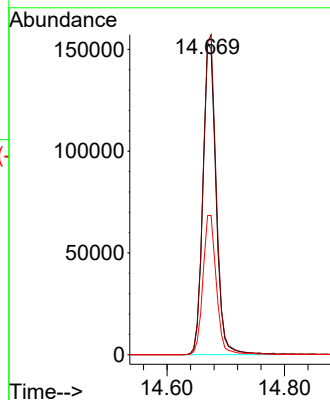
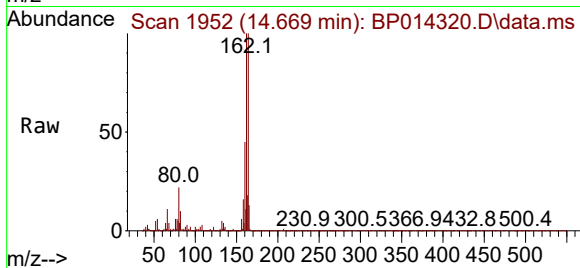
Tgt Ion:164 Resp: 237561

Ion Ratio Lower Upper

164 100

162 100.1 82.1 123.1

160 44.6 36.2 54.2



#42

2,4,6-Tribromophenol

Concen: 148.283 ng

RT: 16.169 min Scan# 2207

Delta R.T. -0.006 min

Lab File: BP014320.D

Acq: 27 Mar 2023 19:32

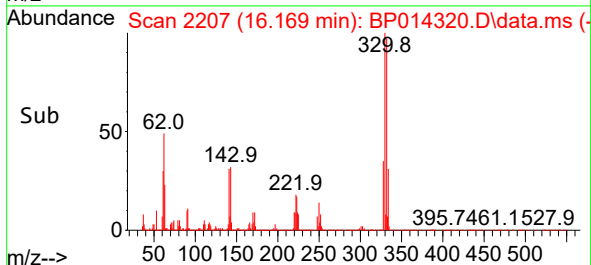
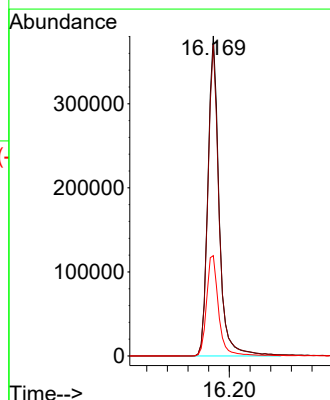
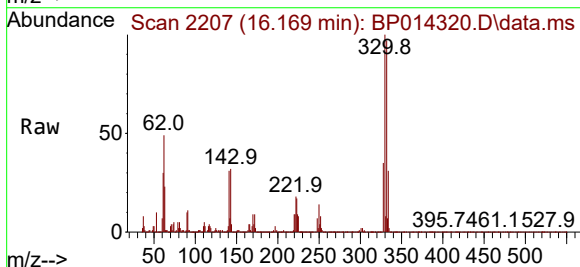
Tgt Ion:330 Resp: 571143

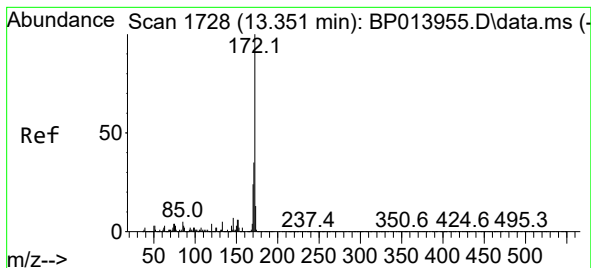
Ion Ratio Lower Upper

330 100

332 98.1 77.1 115.7

141 33.9 25.6 38.4





#45

2-Fluorobiphenyl

Concen: 98.346 ng

RT: 13.293 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP014320.D

Acq: 27 Mar 2023 19:32

Instrument :

BNA_P

ClientSampleId :

SOILPILE-1-0323

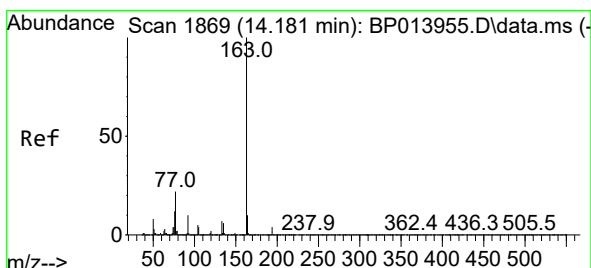
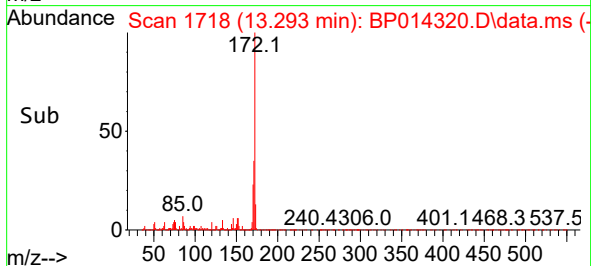
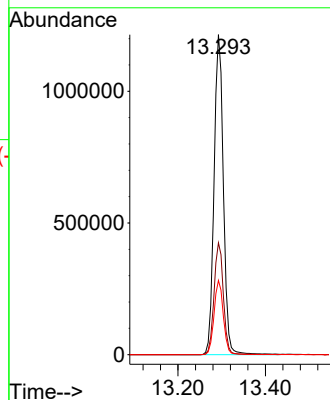
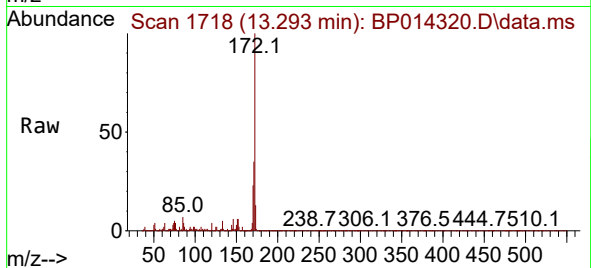
Tgt Ion:172 Resp: 1803291

Ion Ratio Lower Upper

172 100

171 35.0 28.3 42.5

170 23.2 19.0 28.4



#50

Dimethylphthalate

Concen: 2.048 ng

RT: 14.134 min Scan# 1861

Delta R.T. 0.000 min

Lab File: BP014320.D

Acq: 27 Mar 2023 19:32

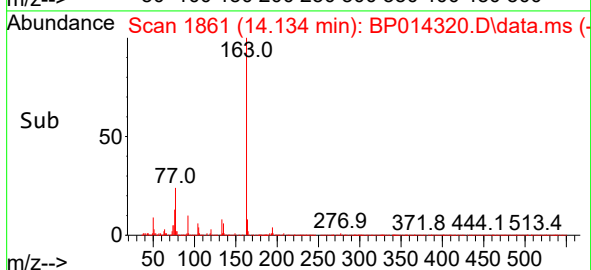
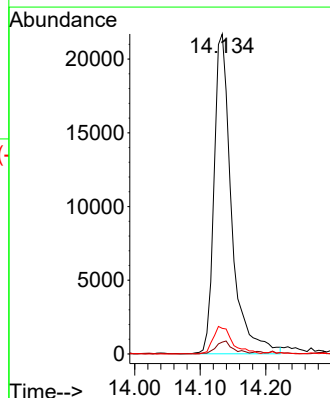
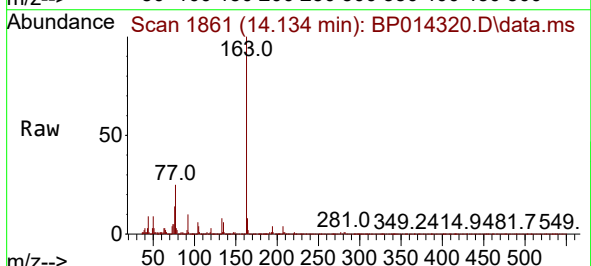
Tgt Ion:163 Resp: 40141

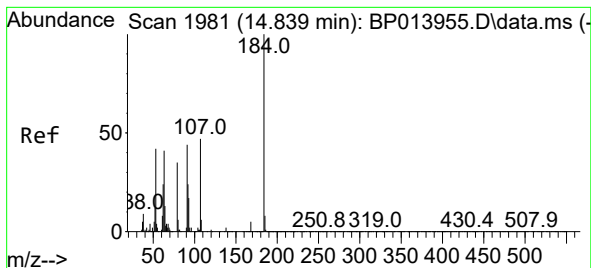
Ion Ratio Lower Upper

163 100

194 3.7 3.4 5.2

164 8.0 8.1 12.1#

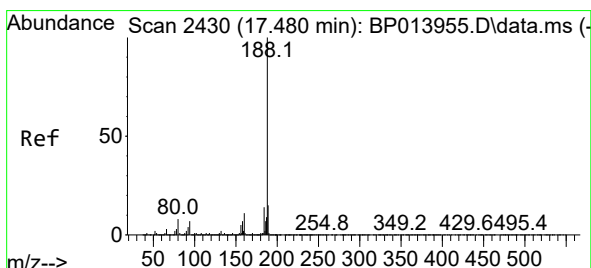
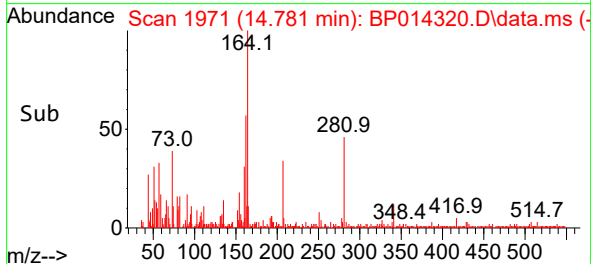
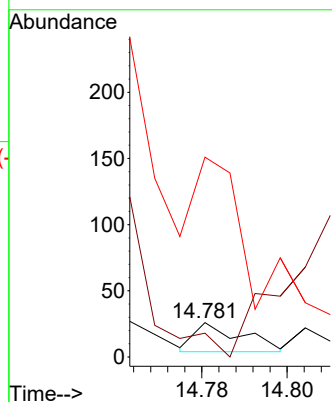
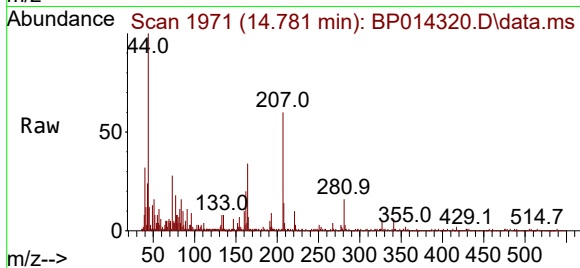




#54
2,4-Dinitrophenol
Concen: 3.084 ng
RT: 14.781 min Scan# 1981
Delta R.T. -0.018 min
Lab File: BP014320.D
Acq: 27 Mar 2023 19:32

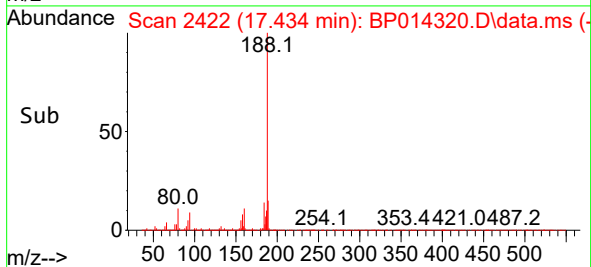
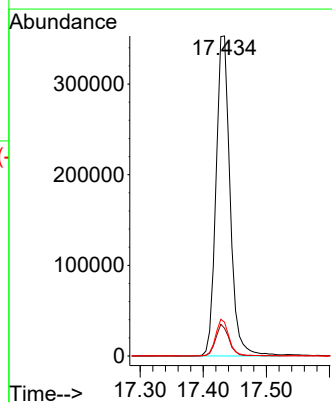
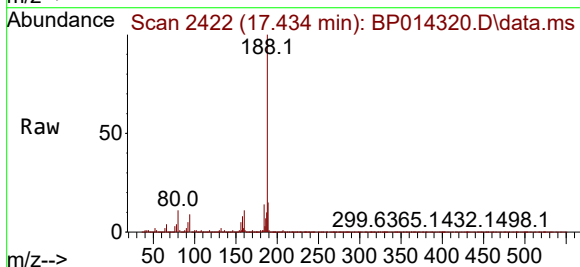
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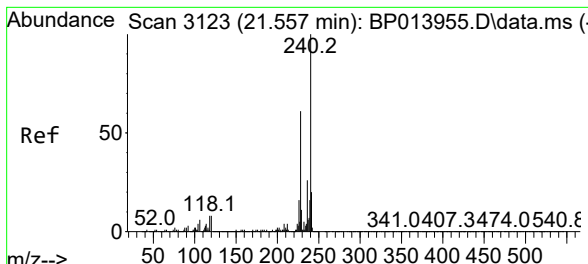
Tgt Ion:184 Resp: 17
Ion Ratio Lower Upper
184 100
63 69.2 52.4 78.6
154 580.8 59.4 89.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.434 min Scan# 2422
Delta R.T. 0.000 min
Lab File: BP014320.D
Acq: 27 Mar 2023 19:32

Tgt Ion:188 Resp: 547428
Ion Ratio Lower Upper
188 100
94 8.6 5.8 8.6#
80 10.5 6.6 9.8#

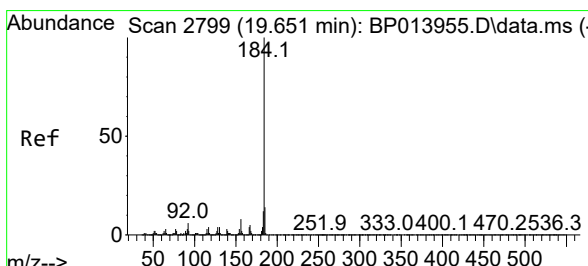
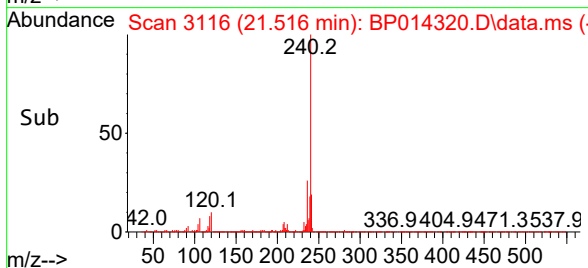
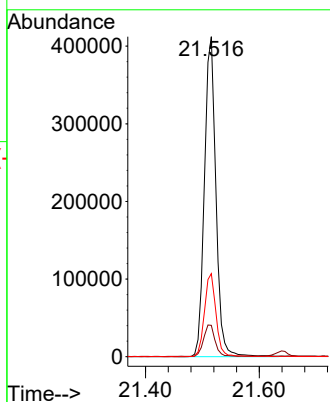
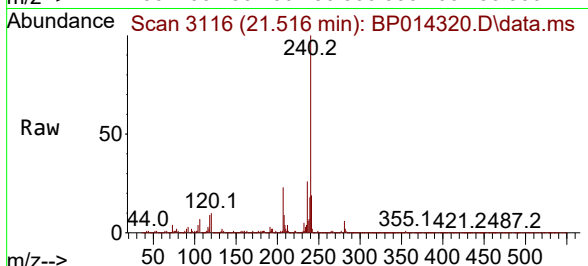




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.516 min Scan# 3116
 Delta R.T. 0.000 min
 Lab File: BP014320.D
 Acq: 27 Mar 2023 19:32

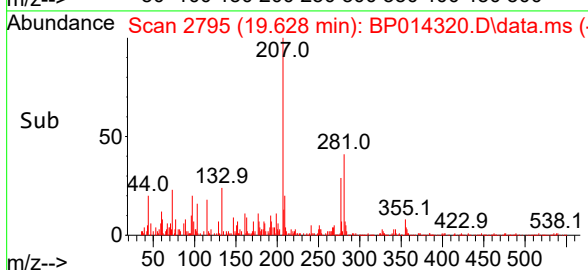
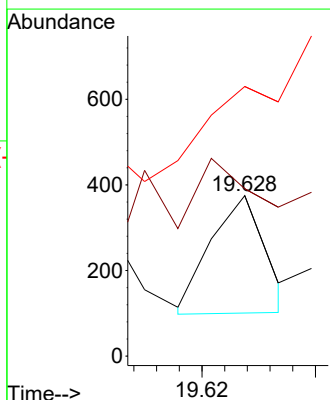
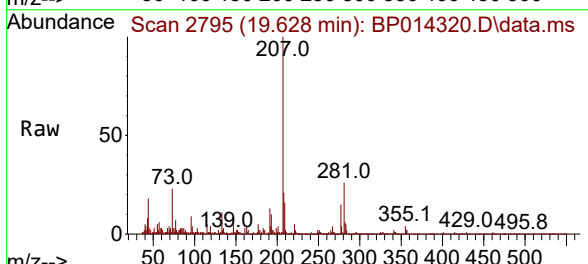
Instrument :
 BNA_P
 ClientSampleId :
 SOILPILE-1-0323

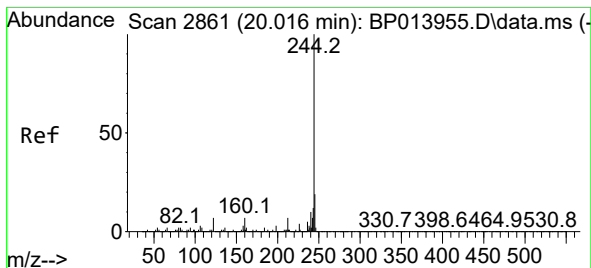
Tgt Ion:	240	Resp:	576053
Ion Ratio	Lower	Upper	
240	100		
120	9.8	6.4	9.6#
236	26.0	21.2	31.8



#77
 Benzidine
 Concen: 2.848 ng
 RT: 19.628 min Scan# 2795
 Delta R.T. 0.006 min
 Lab File: BP014320.D
 Acq: 27 Mar 2023 19:32

Tgt Ion:	184	Resp:	184
Ion Ratio	Lower	Upper	
184	100		
185	104.3	11.6	17.4#
183	168.0	9.7	14.5#





#79

Terphenyl-d14

Concen: 100.349 ng

RT: 19.975 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP014320.D

Acq: 27 Mar 2023 19:32

Instrument :

BNA_P

ClientSampleId :

SOILPILE-1-0323

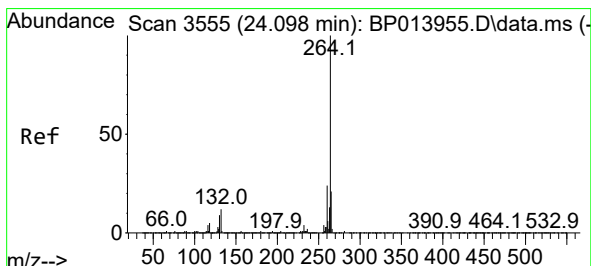
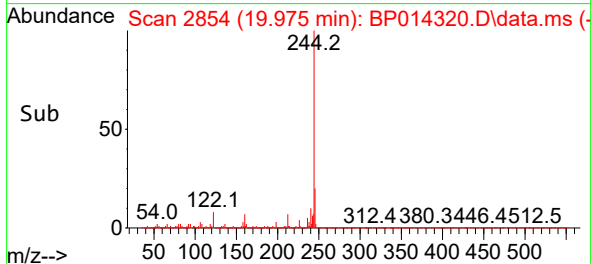
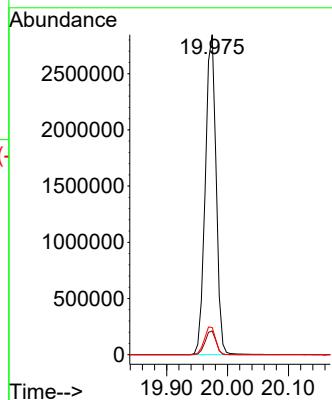
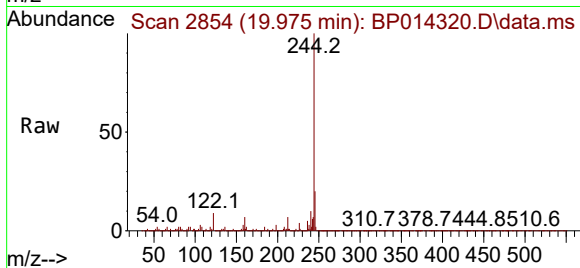
Tgt Ion:244 Resp: 3505664

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

122 8.5 5.8 8.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.033 min Scan# 3544

Delta R.T. 0.000 min

Lab File: BP014320.D

Acq: 27 Mar 2023 19:32

Tgt Ion:264 Resp: 657159

Ion Ratio Lower Upper

264 100

260 24.0 19.4 29.2

265 22.0 17.8 26.8

