

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022323\
 Data File : BP013880.D
 Acq On : 23 Feb 2023 15:18
 Operator : CG/JU
 Sample : 01633-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WEIR-TANK-MUD

Quant Time: Feb 24 01:40:47 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP021623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 24 01:37:56 2023
 Response via : Initial Calibration

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

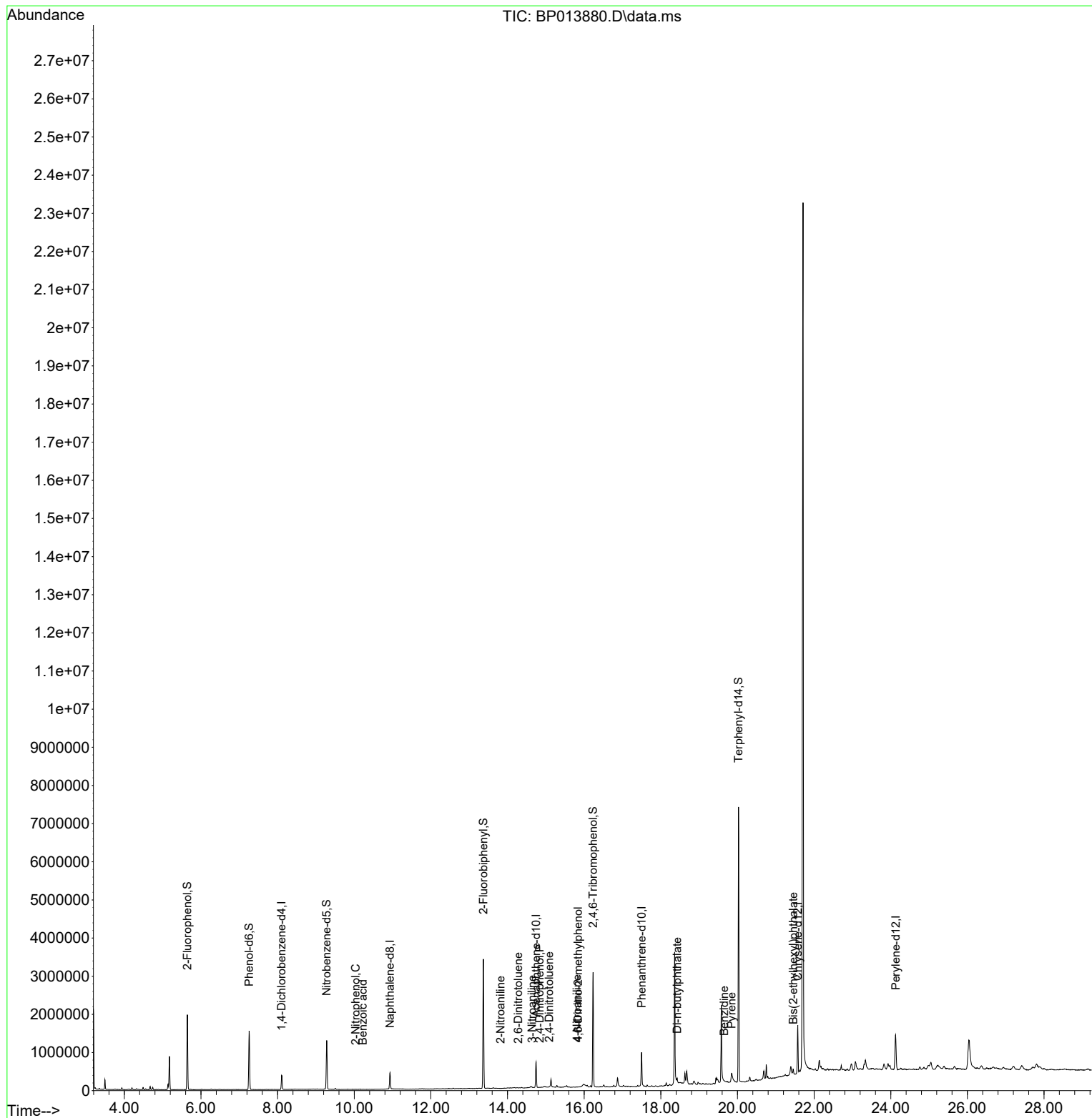
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.105	152	101542	20.000	ng	0.00
21) Naphthalene-d8	10.934	136	346018	20.000	ng	0.00
39) Acenaphthene-d10	14.746	164	228669	20.000	ng	0.00
64) Phenanthrene-d10	17.498	188	520110	20.000	ng	0.00
76) Chrysene-d12	21.575	240	630225	20.000	ng	# 0.00
86) Perylene-d12	24.127	264	754271	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.646	112	796429	129.267	ng	0.01
7) Phenol-d6	7.258	99	868928	110.120	ng	0.00
23) Nitrobenzene-d5	9.281	82	734187	114.578	ng	0.00
42) 2,4,6-Tribromophenol	16.234	330	597600	179.531	ng	0.00
45) 2-Fluorobiphenyl	13.369	172	1723714	99.010	ng	0.00
79) Terphenyl-d14	20.028	244	3468982	105.903	ng	0.00
Target Compounds						Qvalue
26) 2-Nitrophenol	10.040	139	242	2.841	ng	# 63
32) Benzoic acid	10.222	122	80	5.093	ng	# 51
48) 2-Nitroaniline	13.816	65	132	3.261	ng	# 52
51) 2,6-Dinitrotoluene	14.281	165	133	2.019	ng	96
53) 3-Nitroaniline	14.640	138	329	2.082	ng	# 48
54) 2,4-Dinitrophenol	14.840	184	95	5.295	ng	# 1
57) 2,4-Dinitrotoluene	15.087	165	2389	2.697	ng	# 80
62) 4-Nitroaniline	15.816	138	302	2.613	ng	85
65) 4,6-Dinitro-2-methylph...	15.840	198	143	4.659	ng	# 1
74) Di-n-butylphthalate	18.428	149	73561	2.394	ng	# 98
77) Benzidine	19.651	184	313	2.306	ng	# 1
78) Pyrene	19.845	202	91078	2.115	ng	98
84) Bis(2-ethylhexyl)phtha...	21.457	149	49950	2.093	ng	99

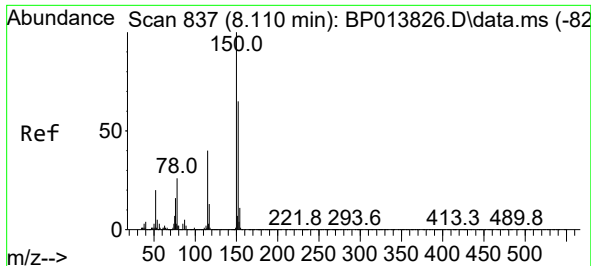
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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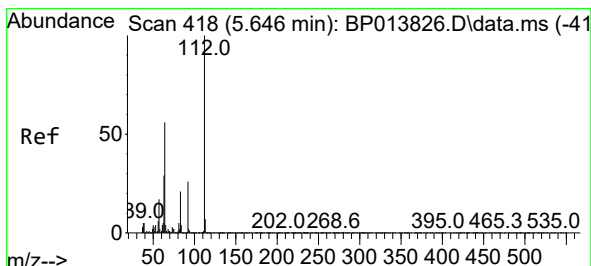
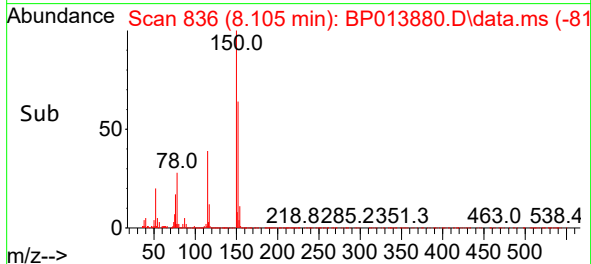
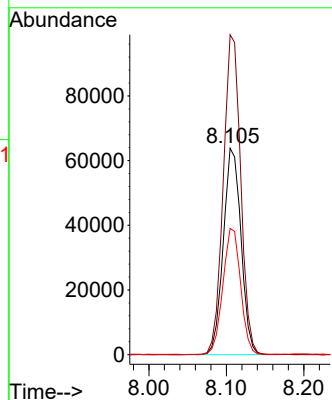
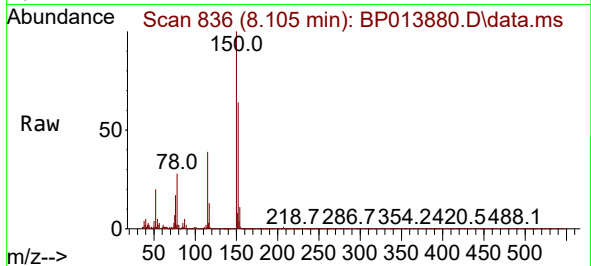




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.105 min Scan# 81
Delta R.T. 0.006 min
Lab File: BP013880.D
Acq: 23 Feb 2023 15:18

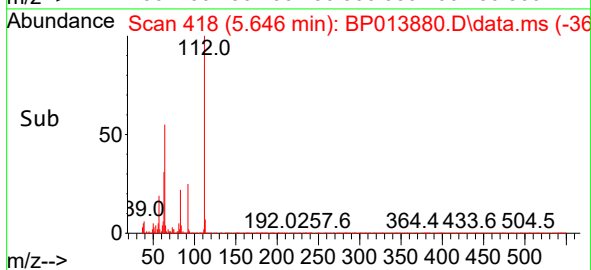
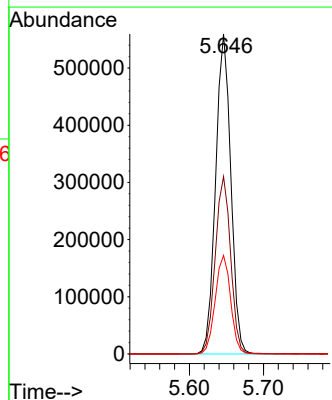
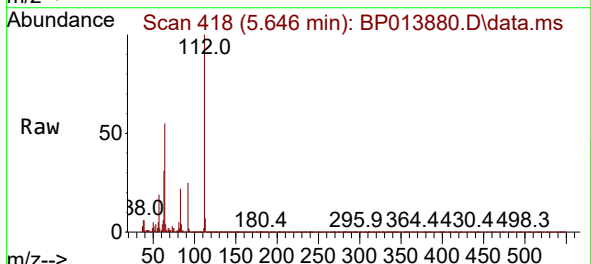
Instrument :
BNA_P
ClientSampleId :
WEIR-TANK-MUD

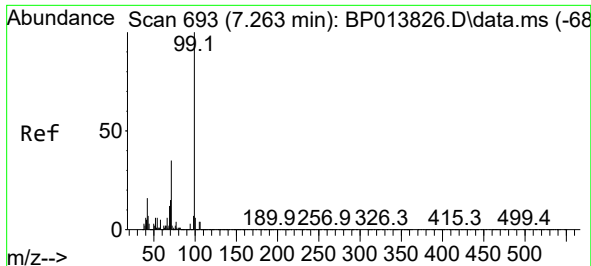
Tgt Ion:152 Resp: 101542
Ion Ratio Lower Upper
152 100
150 155.1 122.8 184.2
115 61.2 49.0 73.6



#5
2-Fluorophenol
Concen: 129.267 ng
RT: 5.646 min Scan# 418
Delta R.T. 0.012 min
Lab File: BP013880.D
Acq: 23 Feb 2023 15:18

Tgt Ion:112 Resp: 796429
Ion Ratio Lower Upper
112 100
64 55.5 44.6 66.8
63 30.8 23.6 35.4

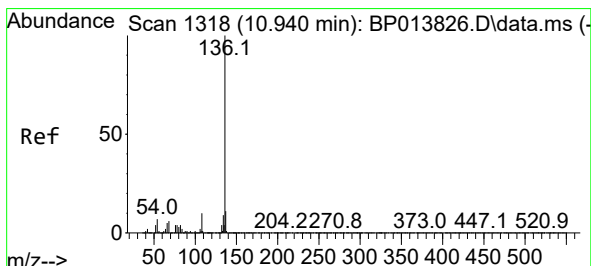
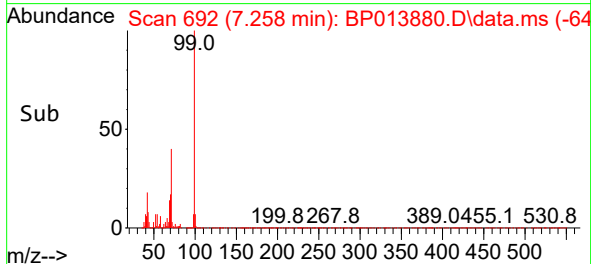
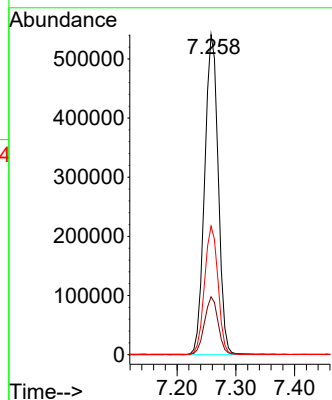
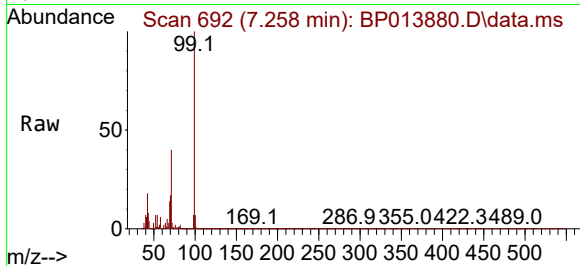




#7
Phenol-d6
Concen: 110.120 ng
RT: 7.258 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP013880.D
Acq: 23 Feb 2023 15:18

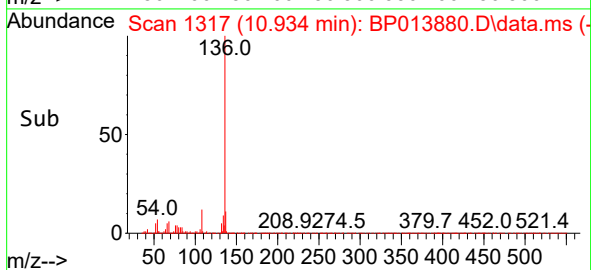
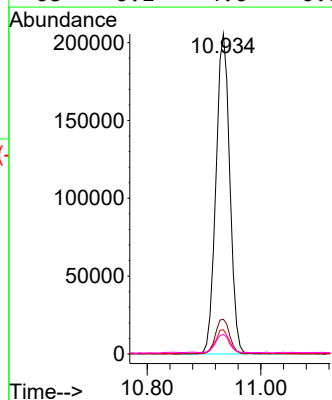
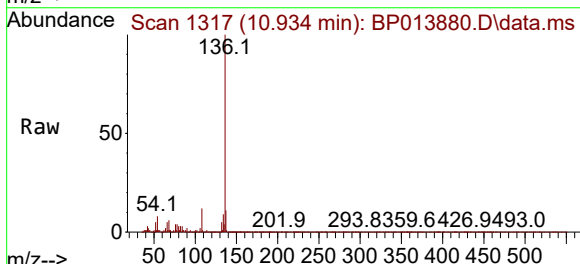
Instrument :
BNA_P
ClientSampleId :
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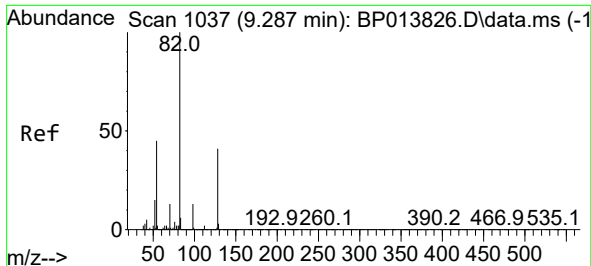
Tgt Ion: 99 Resp: 868928
Ion Ratio Lower Upper
99 100
42 18.1 12.5 18.7
71 40.2 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.934 min Scan# 1317
Delta R.T. 0.006 min
Lab File: BP013880.D
Acq: 23 Feb 2023 15:18

Tgt Ion:136 Resp: 346018
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 7.5 5.8 8.6
68 6.1 4.6 6.8





#23

Nitrobenzene-d5

Concen: 114.578 ng

RT: 9.281 min Scan# 1036

Delta R.T. 0.006 min

Lab File: BP013880.D

Acq: 23 Feb 2023 15:18

Instrument :

BNA_P

ClientSampleId :

WEIR-TANK-MUD

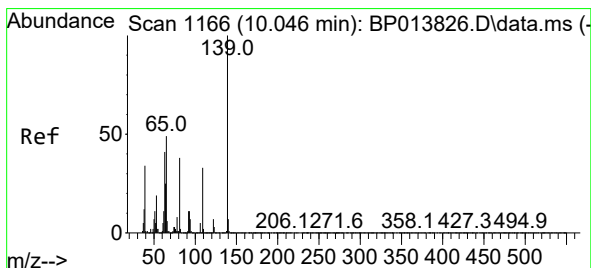
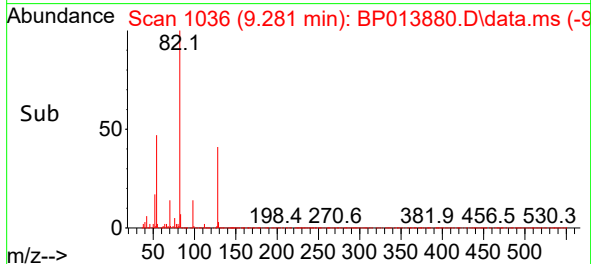
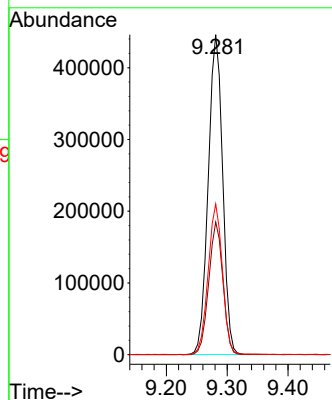
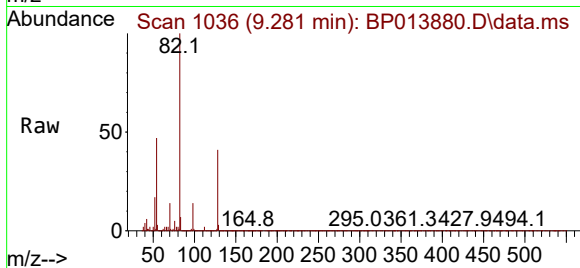
Tgt Ion: 82 Resp: 734187

Ion Ratio Lower Upper

82 100

128 41.4 32.9 49.3

54 47.1 35.6 53.4



#26

2-Nitrophenol

Concen: 2.841 ng

RT: 10.040 min Scan# 1165

Delta R.T. 0.006 min

Lab File: BP013880.D

Acq: 23 Feb 2023 15:18

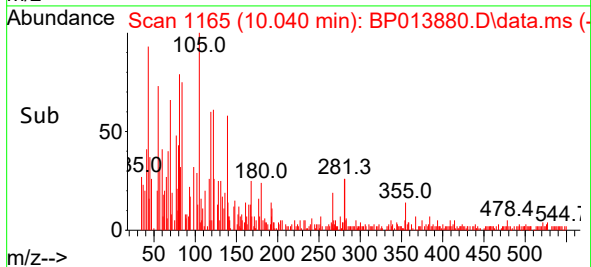
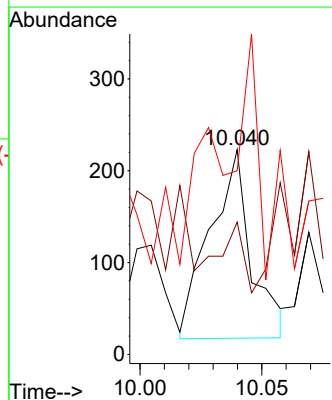
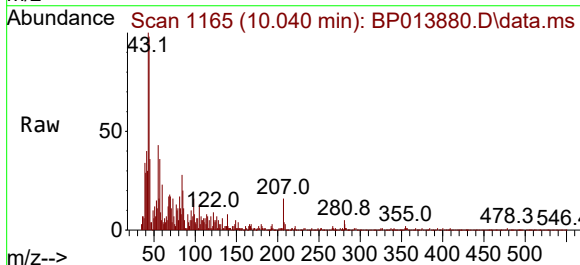
Tgt Ion:139 Resp: 242

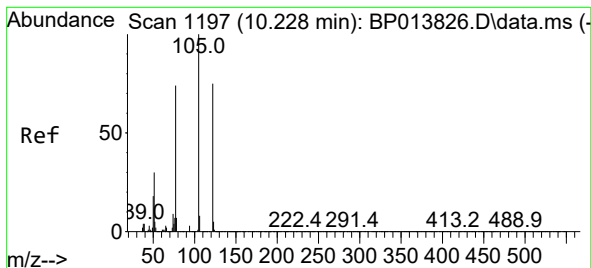
Ion Ratio Lower Upper

139 100

109 54.1 26.7 40.1#

65 75.2 39.4 59.2#

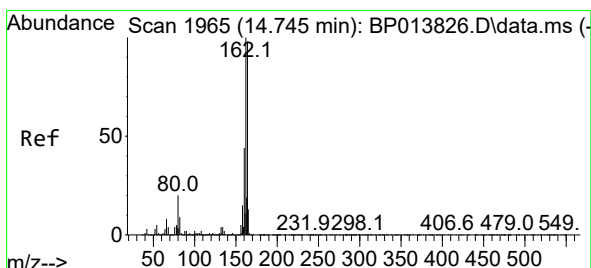
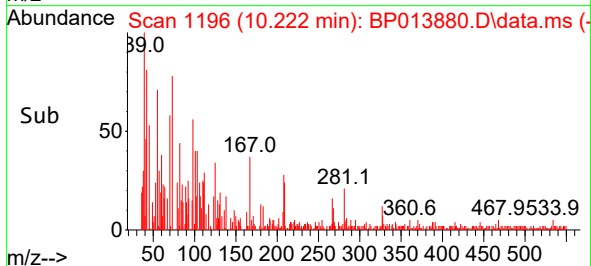
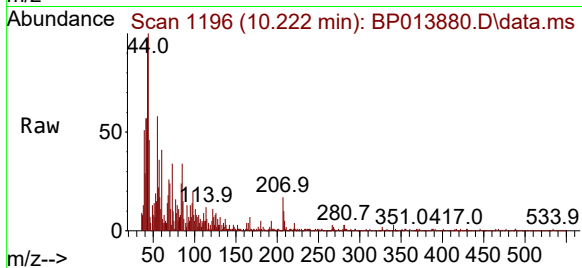




#32
Benzoic acid
Concen: 5.093 ng
RT: 10.222 min Scan# 1196
Delta R.T. 0.006 min
Lab File: BP013880.D
Acq: 23 Feb 2023 15:18

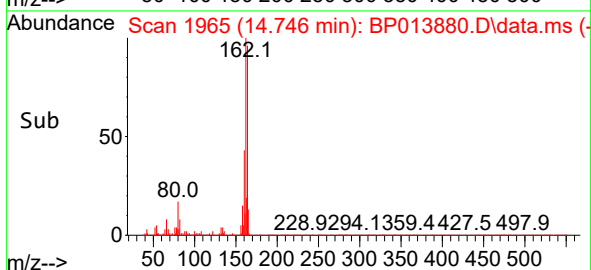
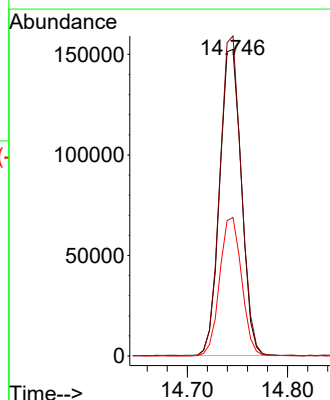
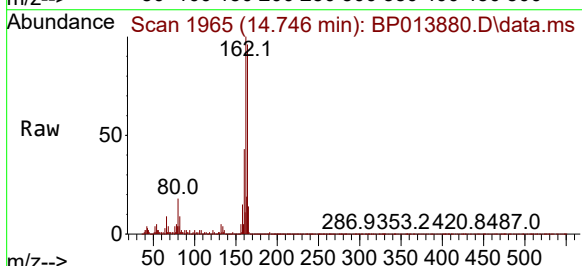
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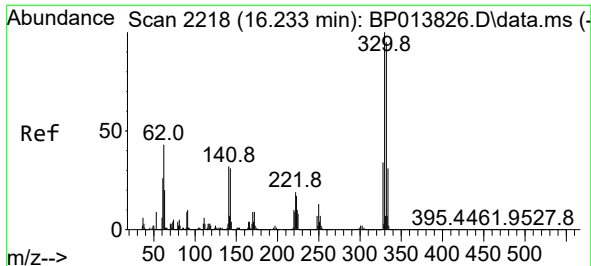
Tgt Ion:122 Resp: 80
Ion Ratio Lower Upper
122 100
105 67.9 107.4 147.4#
77 141.0 76.0 116.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.746 min Scan# 1965
Delta R.T. 0.006 min
Lab File: BP013880.D
Acq: 23 Feb 2023 15:18

Tgt Ion:164 Resp: 228669
Ion Ratio Lower Upper
164 100
162 104.4 81.7 122.5
160 45.2 36.1 54.1

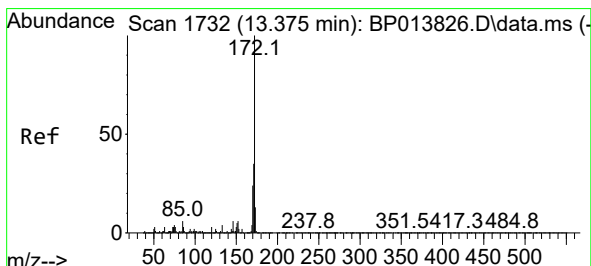
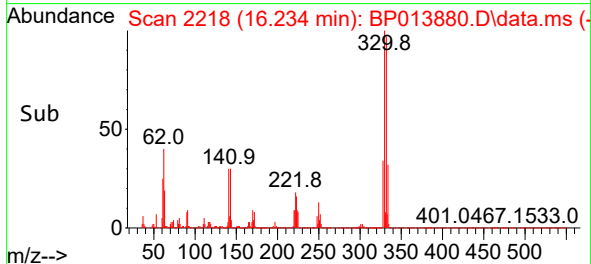
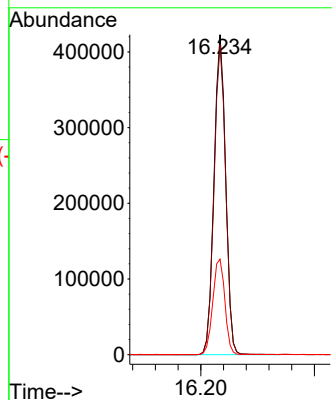
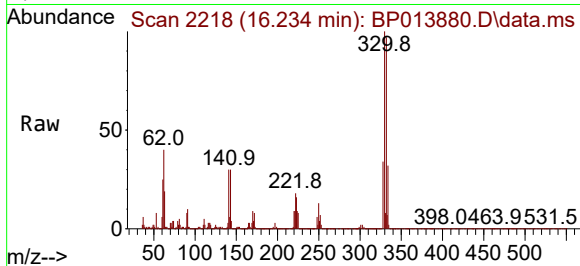




#42
2,4,6-Tribromophenol
Concen: 179.531 ng
RT: 16.234 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP013880.D
Acq: 23 Feb 2023 15:18

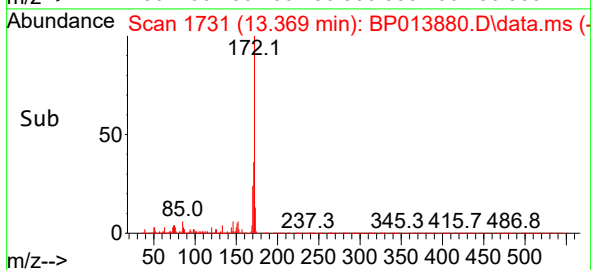
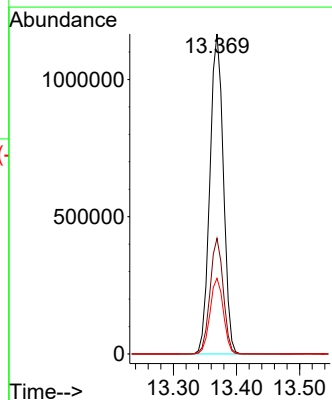
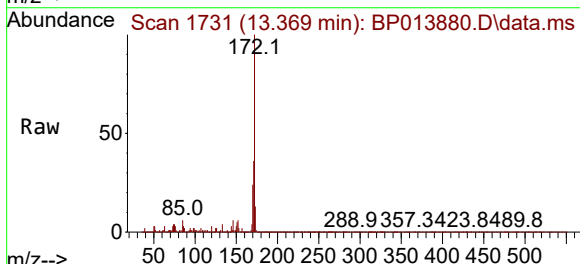
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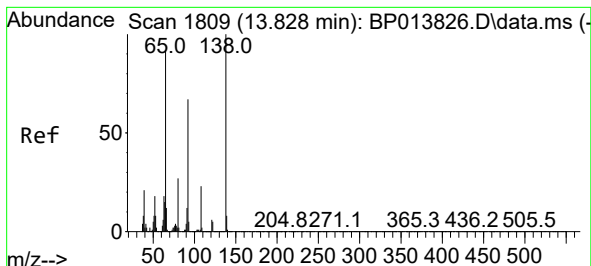
Tgt Ion: 330 Resp: 597600
Ion Ratio Lower Upper
330 100
332 97.0 76.7 115.1
141 31.0 25.1 37.7



#45
2-Fluorobiphenyl
Concen: 99.010 ng
RT: 13.369 min Scan# 1731
Delta R.T. 0.006 min
Lab File: BP013880.D
Acq: 23 Feb 2023 15:18

Tgt Ion: 172 Resp: 1723714
Ion Ratio Lower Upper
172 100
171 36.1 28.2 42.4
170 23.7 19.0 28.4

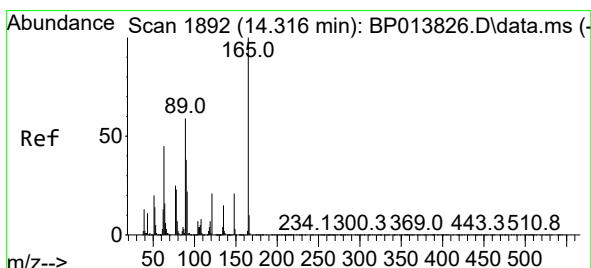
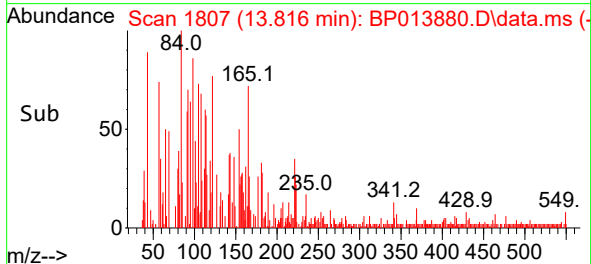
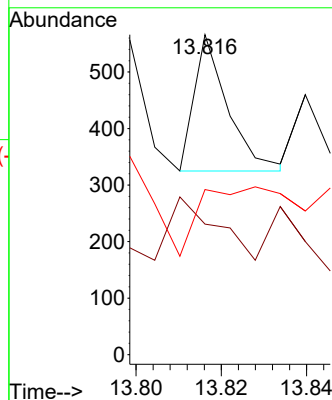
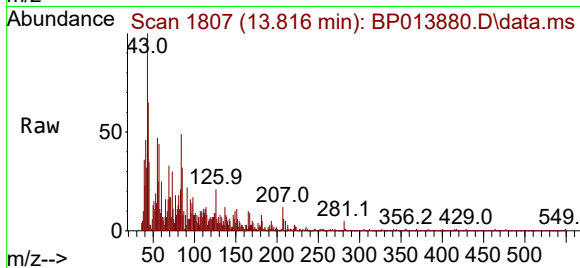




#48
2-Nitroaniline
Concen: 3.261 ng
RT: 13.816 min Scan# 1807
Delta R.T. -0.006 min
Lab File: BP013880.D
Acq: 23 Feb 2023 15:18

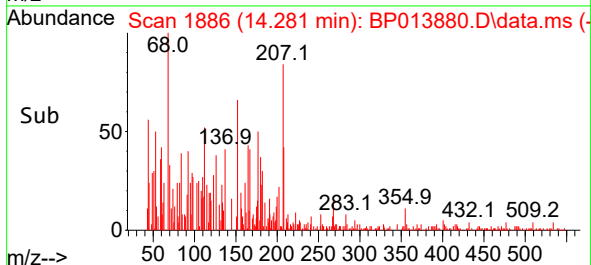
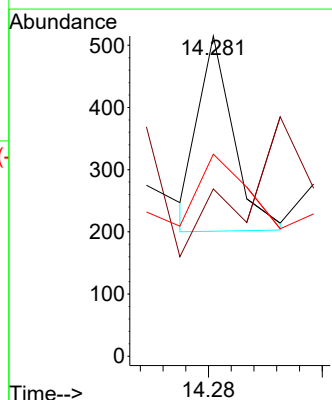
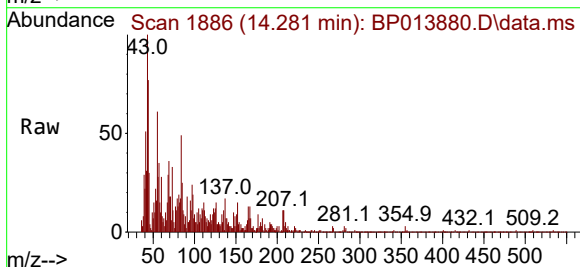
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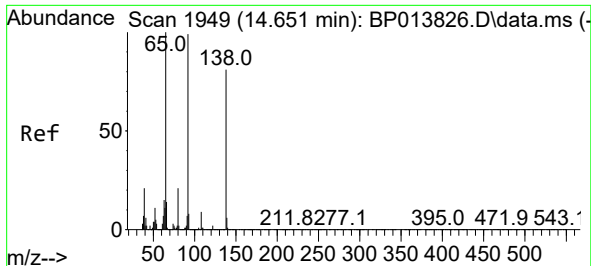
Tgt Ion: 65 Resp: 132
Ion Ratio Lower Upper
65 100
92 40.8 58.7 88.1#
138 51.6 87.3 130.9#



#51
2,6-Dinitrotoluene
Concen: 2.019 ng
RT: 14.281 min Scan# 1886
Delta R.T. -0.029 min
Lab File: BP013880.D
Acq: 23 Feb 2023 15:18

Tgt Ion: 165 Resp: 133
Ion Ratio Lower Upper
165 100
63 52.2 42.6 63.8
89 63.1 47.1 70.7

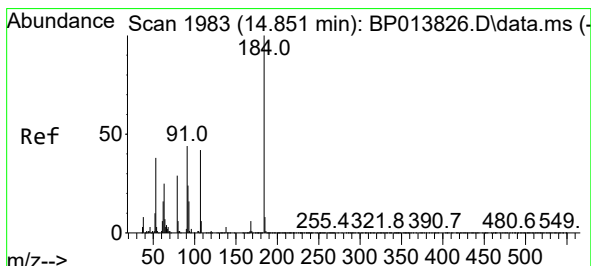
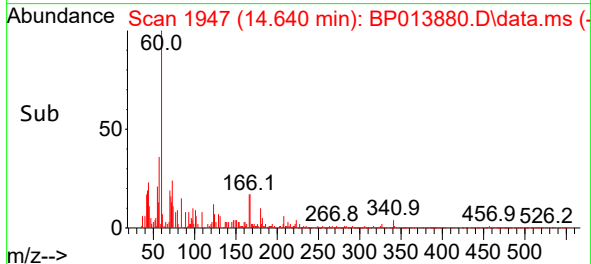
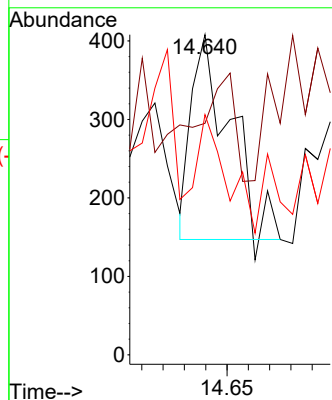
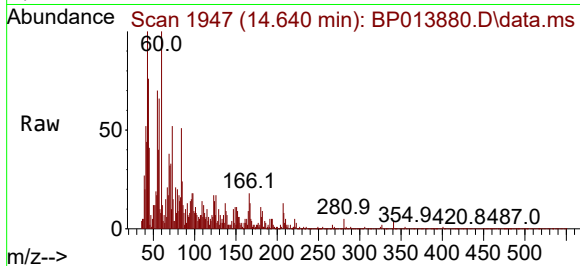




#53
3-Nitroaniline
Concen: 2.082 ng
RT: 14.640 min Scan# 1947
Delta R.T. 0.000 min
Lab File: BP013880.D
Acq: 23 Feb 2023 15:18

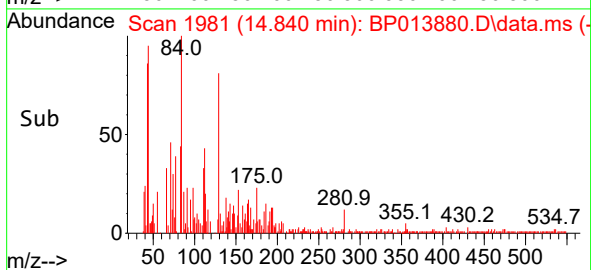
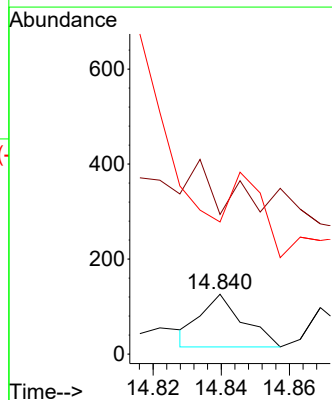
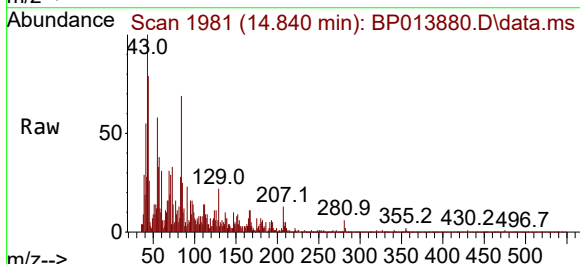
Instrument :
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ClientSampleId :
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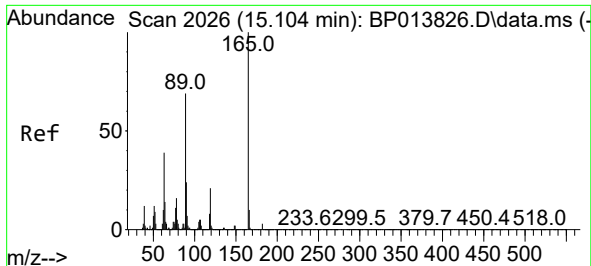
Tgt Ion:138 Resp: 329
Ion Ratio Lower Upper
138 100
108 72.3 9.0 13.4#
92 75.0 97.1 145.7#



#54
2,4-Dinitrophenol
Concen: 5.295 ng
RT: 14.840 min Scan# 1981
Delta R.T. -0.006 min
Lab File: BP013880.D
Acq: 23 Feb 2023 15:18

Tgt Ion:184 Resp: 95
Ion Ratio Lower Upper
184 100
63 233.3 47.0 70.4#
154 220.6 51.5 77.3#

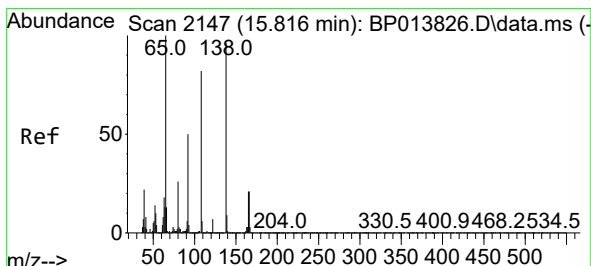
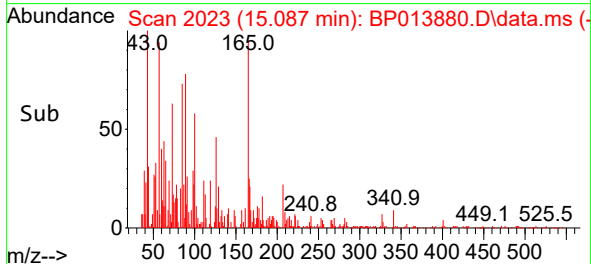
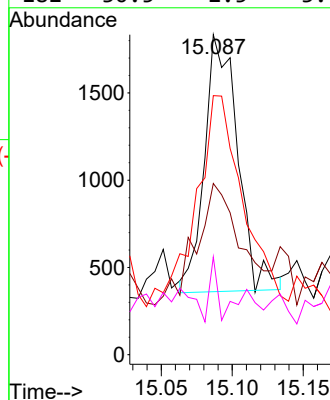
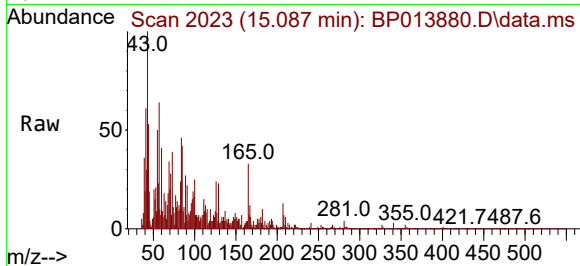




#57
2,4-Dinitrotoluene
Concen: 2.697 ng
RT: 15.087 min Scan# 20
Delta R.T. -0.012 min
Lab File: BP013880.D
Acq: 23 Feb 2023 15:18

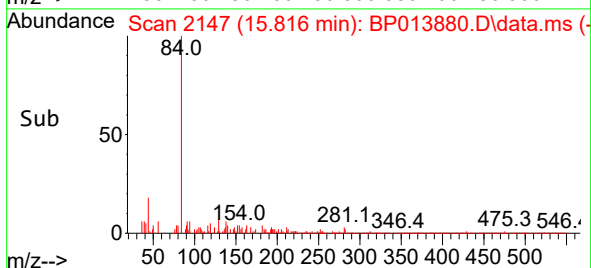
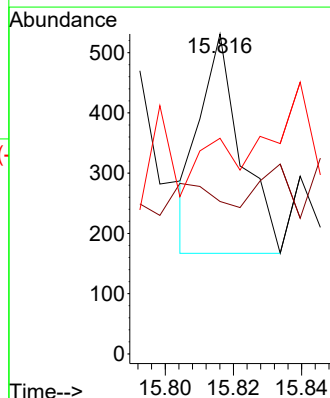
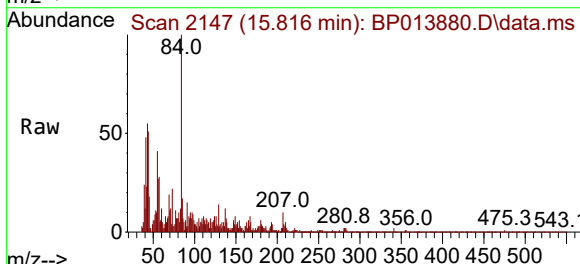
Instrument :
BNA_P
ClientSampleId :
WEIR-TANK-MUD

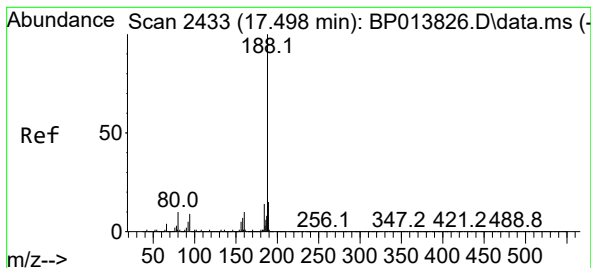
Tgt Ion:165 Resp: 2389
Ion Ratio Lower Upper
165 100
63 53.5 31.1 46.7#
89 81.0 54.9 82.3
182 30.5 2.5 3.7#



#62
4-Nitroaniline
Concen: 2.613 ng
RT: 15.816 min Scan# 2147
Delta R.T. 0.012 min
Lab File: BP013880.D
Acq: 23 Feb 2023 15:18

Tgt Ion:138 Resp: 302
Ion Ratio Lower Upper
138 100
92 47.6 32.0 72.0
108 67.4 65.6 105.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.498 min Scan# 2433

Delta R.T. 0.006 min

Lab File: BP013880.D

Acq: 23 Feb 2023 15:18

Instrument :

BNA_P

ClientSampleId :

WEIR-TANK-MUD

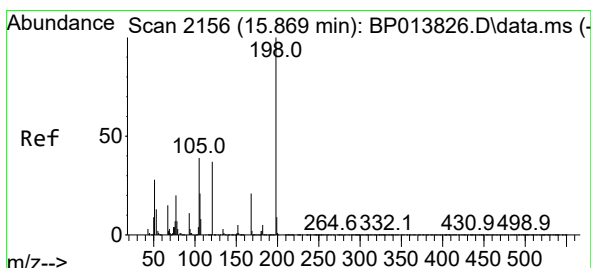
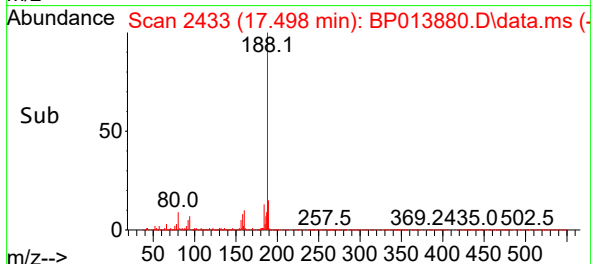
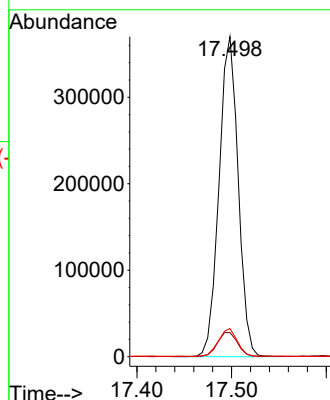
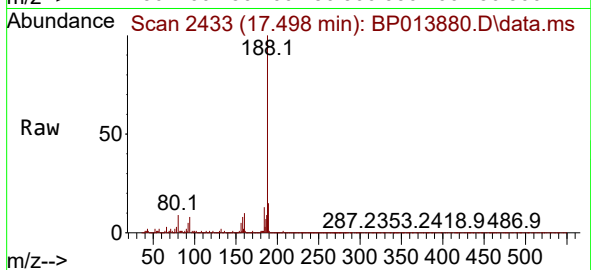
Tgt Ion:188 Resp: 520110

Ion Ratio Lower Upper

188 100

94 7.5 7.0 10.6

80 8.8 7.8 11.8



#65

4,6-Dinitro-2-methylphenol

Concen: 4.659 ng

RT: 15.840 min Scan# 2151

Delta R.T. -0.018 min

Lab File: BP013880.D

Acq: 23 Feb 2023 15:18

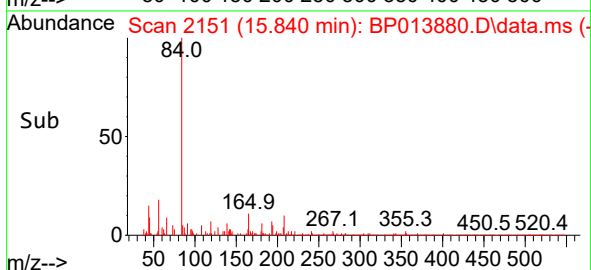
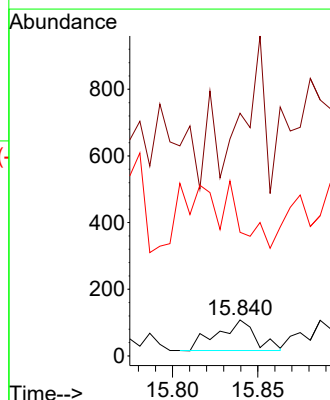
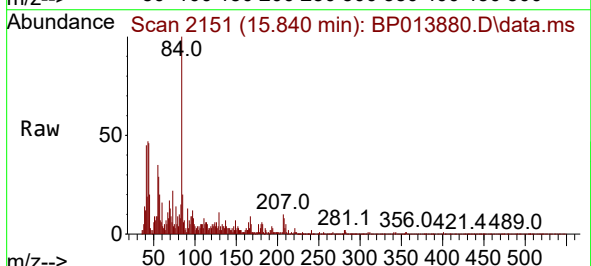
Tgt Ion:198 Resp: 143

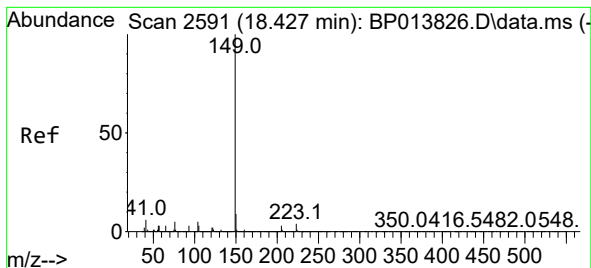
Ion Ratio Lower Upper

198 100

51 674.1 14.3 54.3#

105 343.5 20.5 60.5#





#74

Di-n-butylphthalate

Concen: 2.394 ng

RT: 18.428 min Scan# 2591

Delta R.T. 0.006 min

Lab File: BP013880.D

Acq: 23 Feb 2023 15:18

Instrument :

BNA_P

ClientSampleId :

WEIR-TANK-MUD

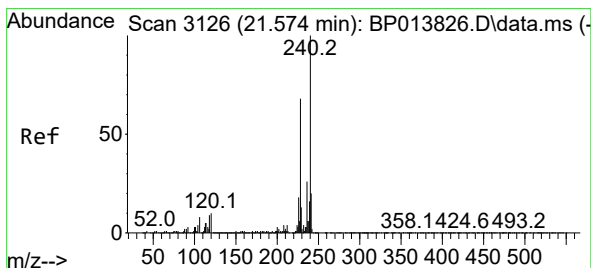
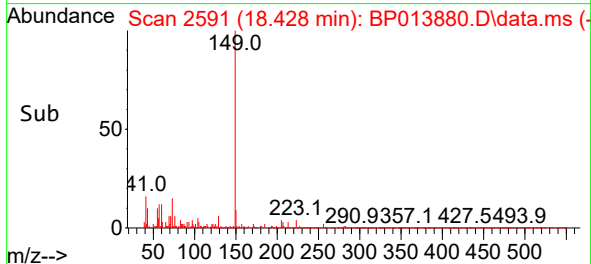
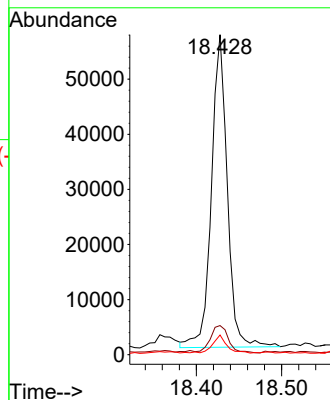
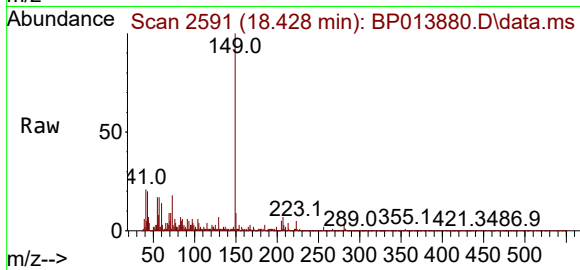
Tgt Ion:149 Resp: 73561

Ion Ratio Lower Upper

149 100

150 9.1 7.5 11.3

104 6.1 4.1 6.1#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.575 min Scan# 3126

Delta R.T. 0.006 min

Lab File: BP013880.D

Acq: 23 Feb 2023 15:18

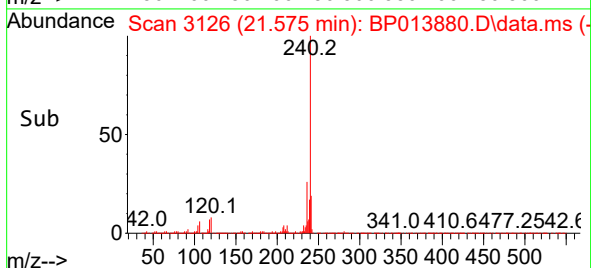
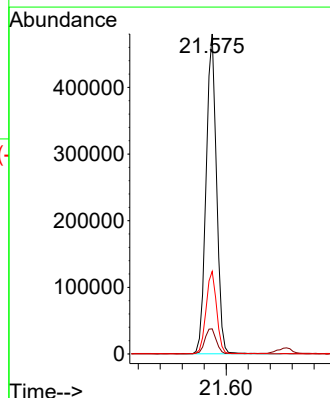
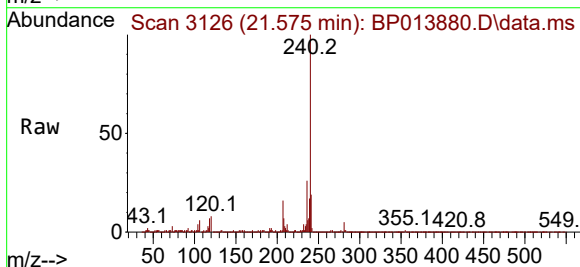
Tgt Ion:240 Resp: 630225

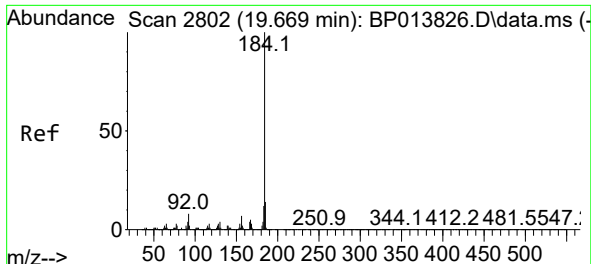
Ion Ratio Lower Upper

240 100

120 7.8 7.9 11.9#

236 25.8 20.9 31.3

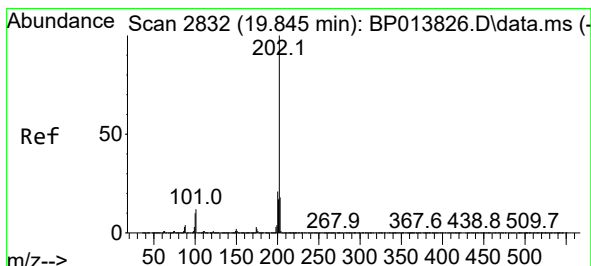
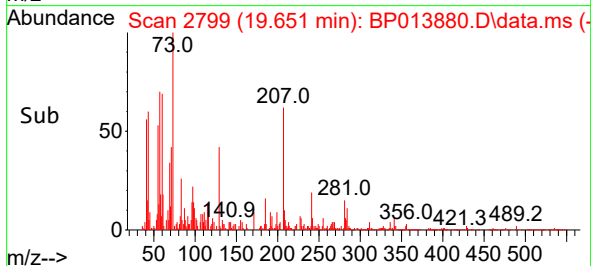
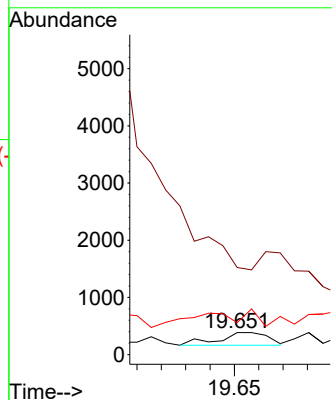
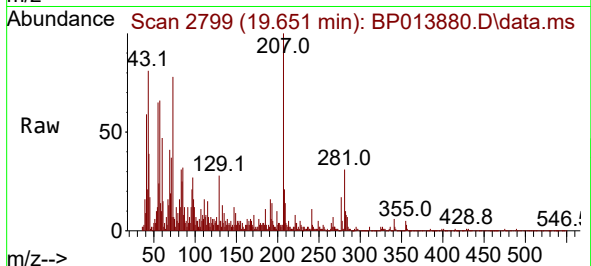




#77
Benzidine
Concen: 2.306 ng
RT: 19.651 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP013880.D
Acq: 23 Feb 2023 15:18

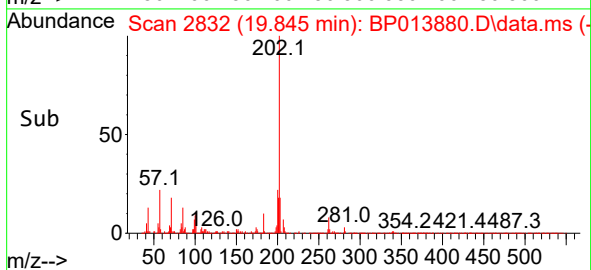
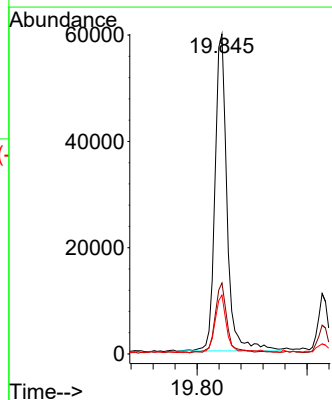
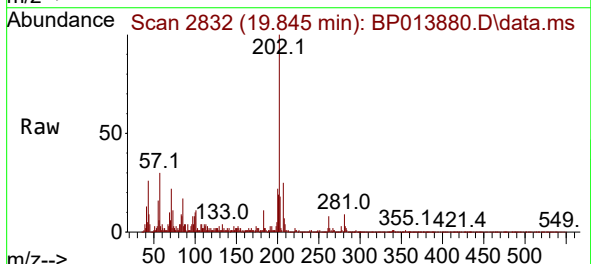
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BNA_P
ClientSampleId :
WEIR-TANK-MUD

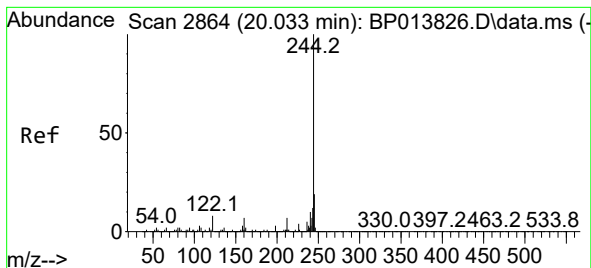
Tgt Ion:184 Resp: 313
Ion Ratio Lower Upper
184 100
185 393.5 11.4 17.0#
183 144.4 9.6 14.4#



#78
Pyrene
Concen: 2.115 ng
RT: 19.845 min Scan# 2832
Delta R.T. 0.006 min
Lab File: BP013880.D
Acq: 23 Feb 2023 15:18

Tgt Ion:202 Resp: 91078
Ion Ratio Lower Upper
202 100
200 22.2 16.9 25.3
203 18.4 14.2 21.2





#79

Terphenyl-d14

Concen: 105.903 ng

RT: 20.028 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP013880.D

Acq: 23 Feb 2023 15:18

Instrument :

BNA_P

ClientSampleId :

WEIR-TANK-MUD

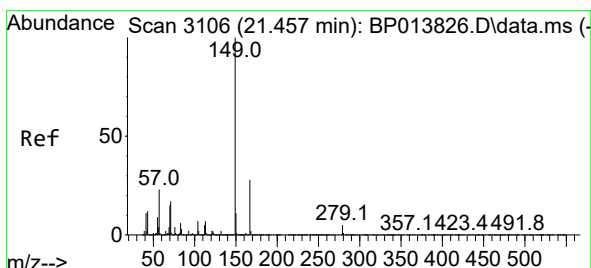
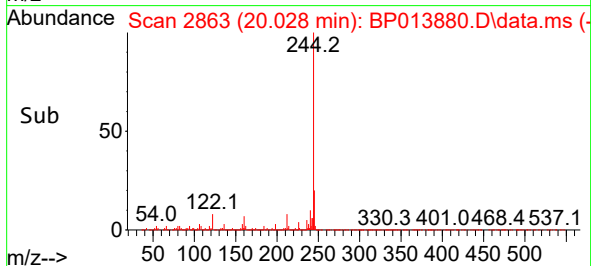
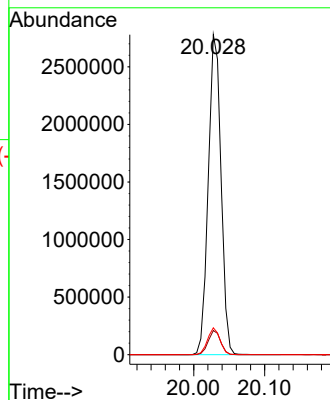
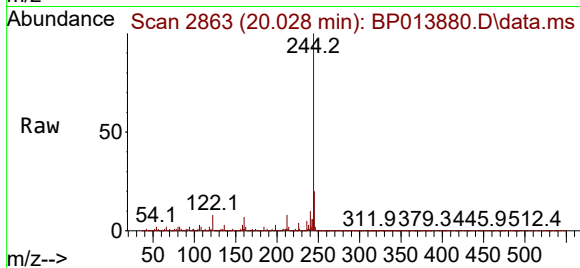
Tgt Ion:244 Resp: 3468982

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.6

122 8.4 6.7 10.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.093 ng

RT: 21.457 min Scan# 3106

Delta R.T. 0.006 min

Lab File: BP013880.D

Acq: 23 Feb 2023 15:18

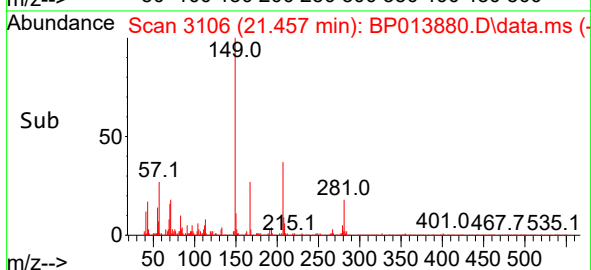
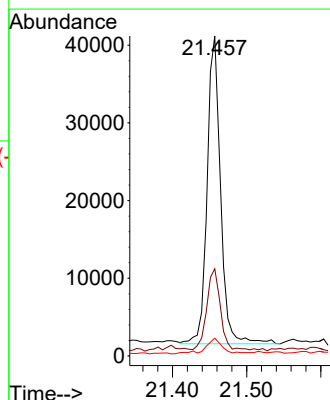
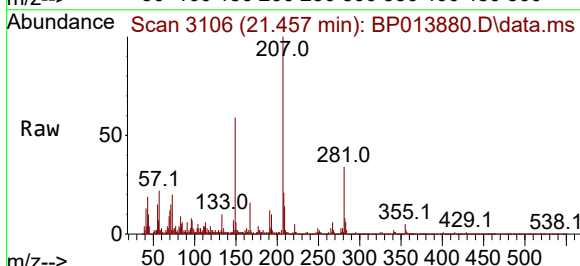
Tgt Ion:149 Resp: 49950

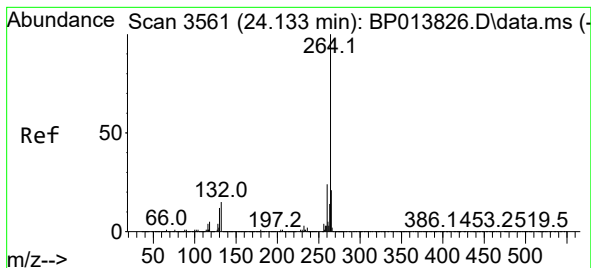
Ion Ratio Lower Upper

149 100

167 27.3 22.1 33.1

279 5.5 3.9 5.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.127 min Scan# 3

Delta R.T. 0.006 min

Lab File: BP013880.D

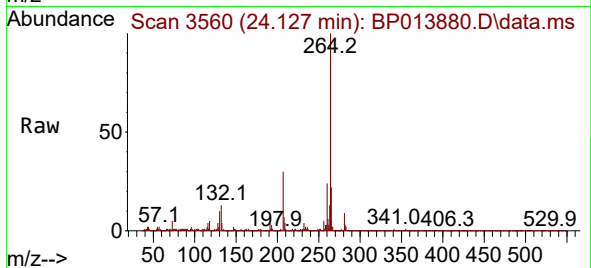
Acq: 23 Feb 2023 15:18

Instrument :

BNA_P

ClientSampleId :

WEIR-TANK-MUD



Tgt Ion:264 Resp: 754271

Ion Ratio Lower Upper

264 100

260 23.7 19.4 29.0

265 22.1 17.6 26.4

