

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP030323\
 Data File : BP013944.D
 Acq On : 03 Mar 2023 14:50
 Operator : CG/JU
 Sample : 01764-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CS-A-CRUSHED-STONE-PILE-1

Quant Time: Mar 04 00:56:18 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP021623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 02 04:26:35 2023
 Response via : Initial Calibration

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

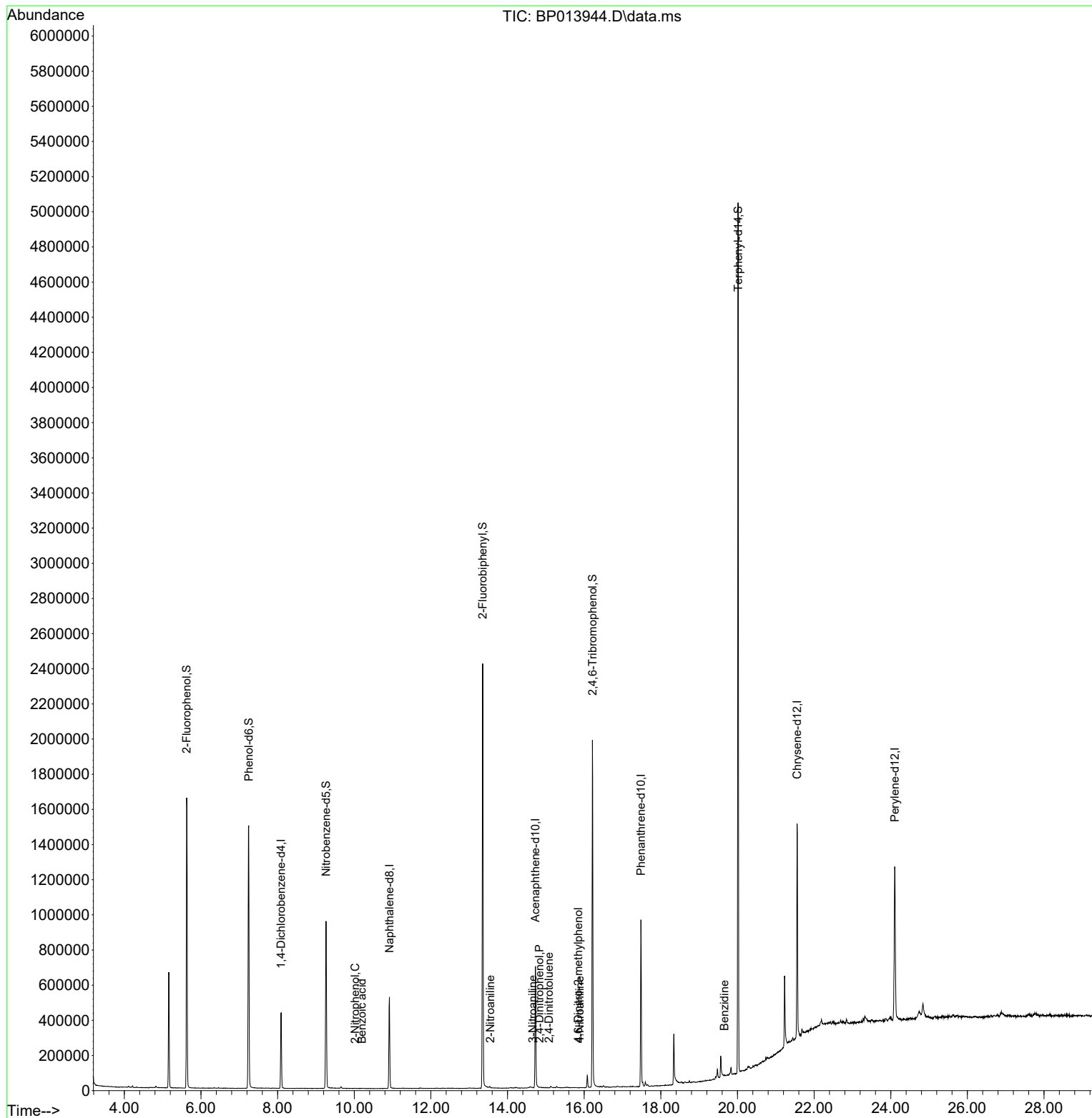
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.093	152	114007	20.000	ng	0.00
21) Naphthalene-d8	10.916	136	404707	20.000	ng	0.00
39) Acenaphthene-d10	14.728	164	240998	20.000	ng	0.00
64) Phenanthrene-d10	17.481	188	552031	20.000	ng	0.00
76) Chrysene-d12	21.557	240	617213	20.000	ng	-0.01
86) Perylene-d12	24.104	264	722603	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.628	112	667954	96.561	ng	0.00
7) Phenol-d6	7.246	99	831608	93.868	ng	0.00
23) Nitrobenzene-d5	9.263	82	546864	72.968	ng	0.00
42) 2,4,6-Tribromophenol	16.216	330	392561	111.900	ng	-0.01
45) 2-Fluorobiphenyl	13.351	172	1217073	66.332	ng	0.00
79) Terphenyl-d14	20.016	244	2268288	70.708	ng	0.00
Target Compounds						
					Qvalue	
26) 2-Nitrophenol	10.028	139	22	2.774	ng	# 70
32) Benzoic acid	10.199	122	45	5.084	ng	# 1
48) 2-Nitroaniline	13.551	65	21	3.235	ng	94
53) 3-Nitroaniline	14.657	138	33	2.015	ng	# 1
54) 2,4-Dinitrophenol	14.834	184	20	5.269	ng	# 1
57) 2,4-Dinitrotoluene	15.081	165	73	2.293	ng	# 47
62) 4-Nitroaniline	15.881	138	20	2.551	ng	86
65) 4,6-Dinitro-2-methylph...	15.845	198	14	4.627	ng	# 1
77) Benzidine	19.663	184	53	2.287	ng	# 1

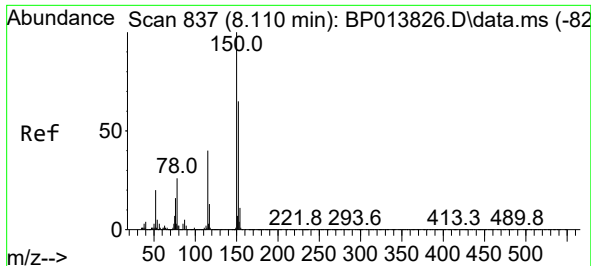
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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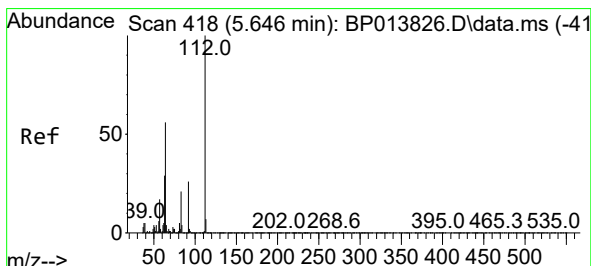
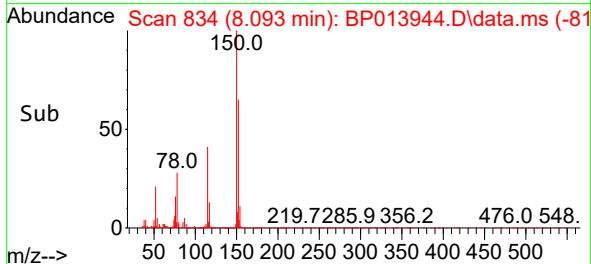
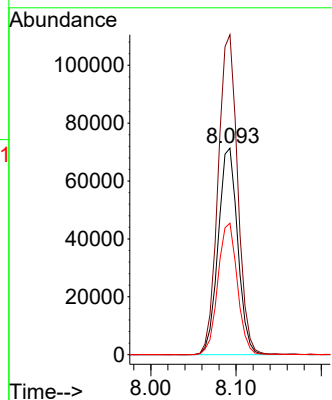
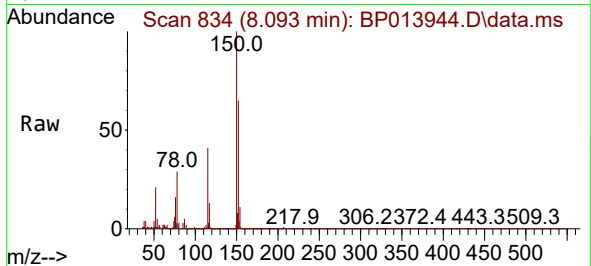




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.093 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP013944.D
Acq: 03 Mar 2023 14:50

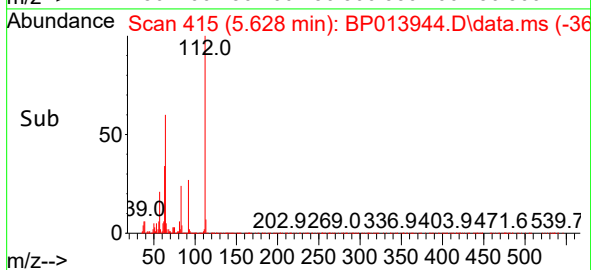
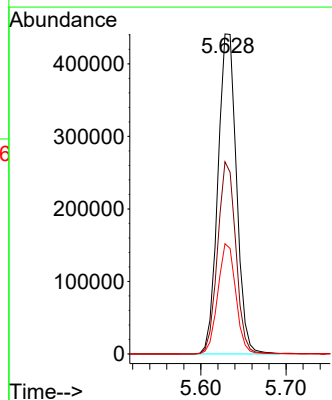
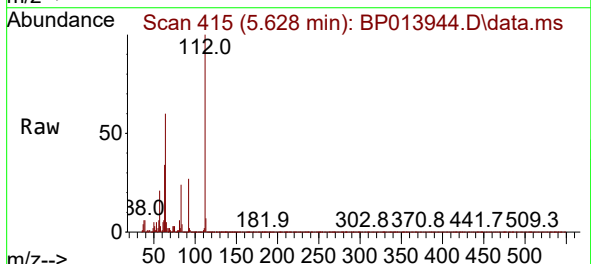
Instrument :
BNA_P
ClientSampleId :
CS-A-CRUSHED-STONE-PILE-1

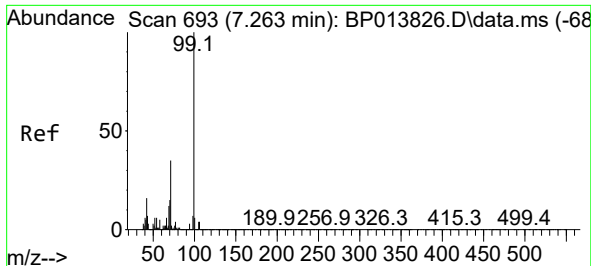
Tgt Ion:152 Resp: 114007
Ion Ratio Lower Upper
152 100
150 154.9 122.8 184.2
115 63.6 49.0 73.6



#5
2-Fluorophenol
Concen: 96.561 ng
RT: 5.628 min Scan# 415
Delta R.T. -0.006 min
Lab File: BP013944.D
Acq: 03 Mar 2023 14:50

Tgt Ion:112 Resp: 667954
Ion Ratio Lower Upper
112 100
64 60.1 44.6 66.8
63 34.4 23.6 35.4

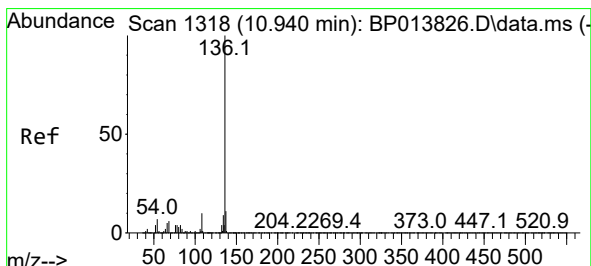
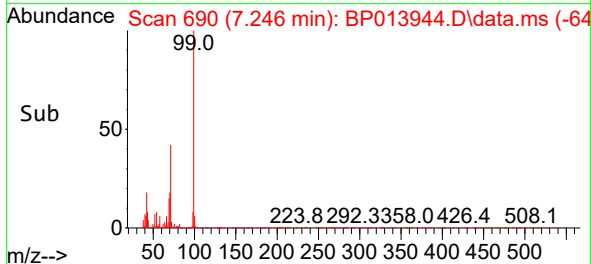
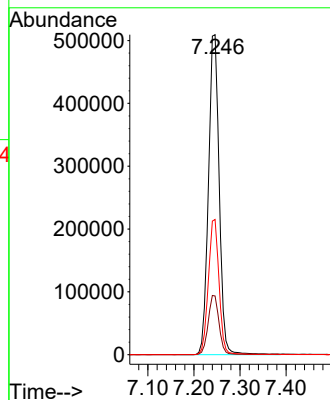
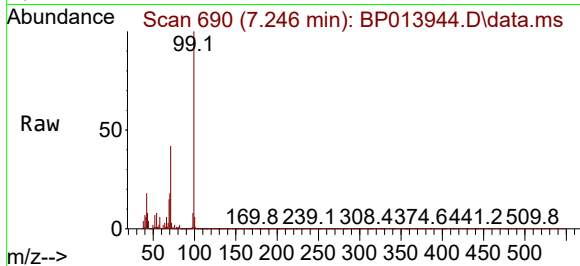




#7
Phenol-d6
Concen: 93.868 ng
RT: 7.246 min Scan# 693
Delta R.T. -0.006 min
Lab File: BP013944.D
Acq: 03 Mar 2023 14:50

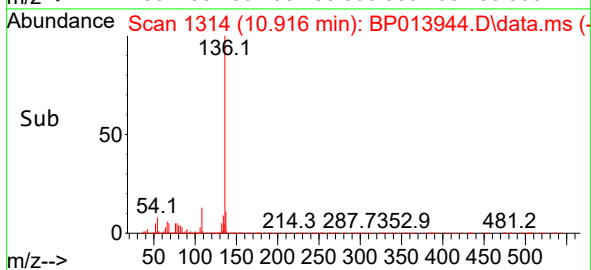
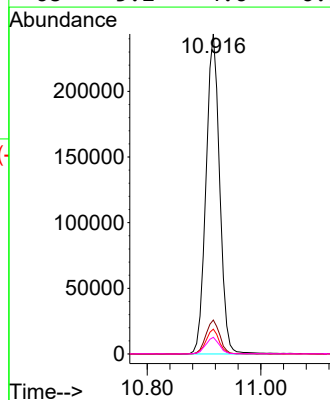
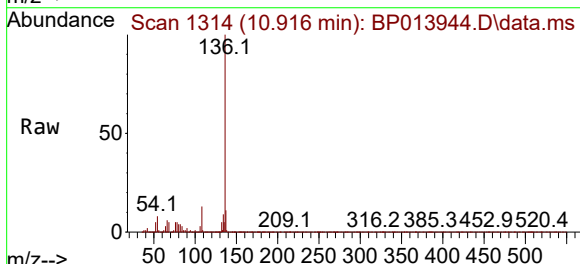
Instrument :
BNA_P
ClientSampleId :
CS-A-CRUSHED-STONE-PILE-1

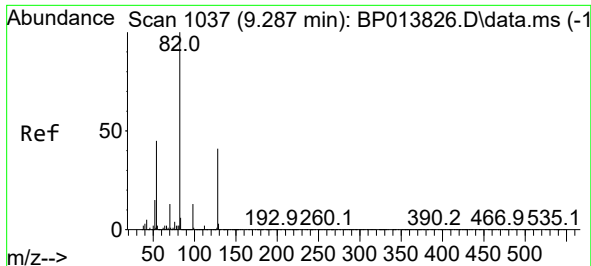
Tgt Ion: 99 Resp: 831608
Ion Ratio Lower Upper
99 100
42 18.3 12.5 18.7
71 42.2 27.8 41.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.916 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BP013944.D
Acq: 03 Mar 2023 14:50

Tgt Ion: 136 Resp: 404707
Ion Ratio Lower Upper
136 100
137 10.6 8.5 12.7
54 7.8 5.8 8.6
68 5.2 4.6 6.8

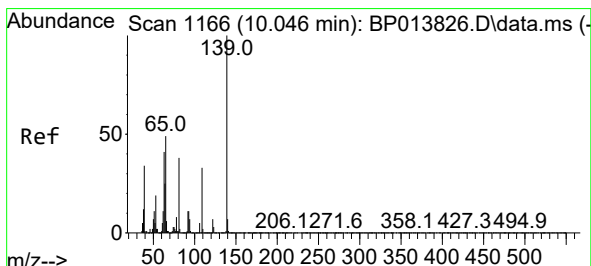
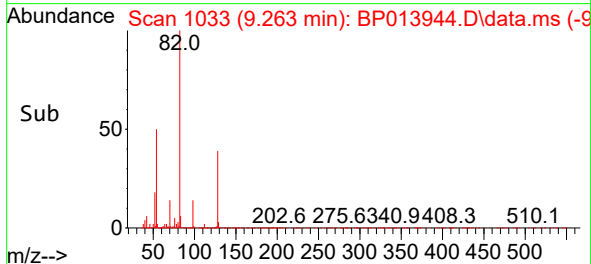
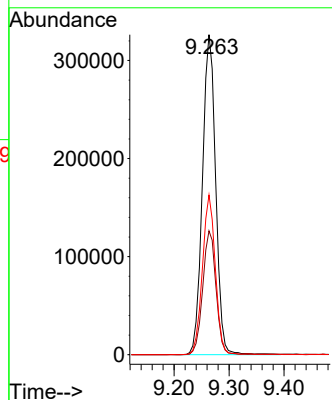
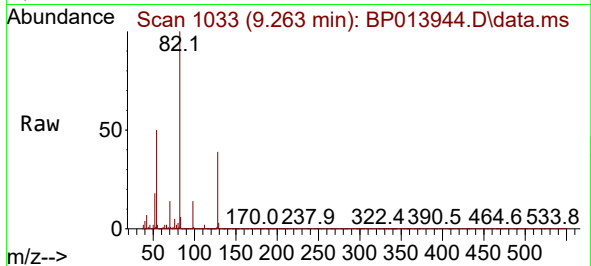




#23
Nitrobenzene-d5
Concen: 72.968 ng
RT: 9.263 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BP013944.D
Acq: 03 Mar 2023 14:50

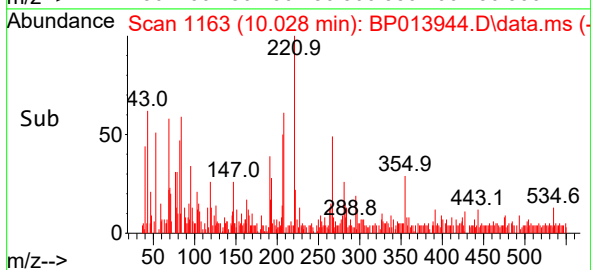
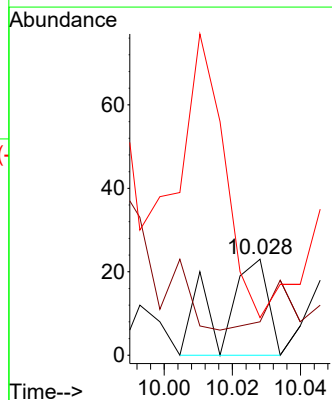
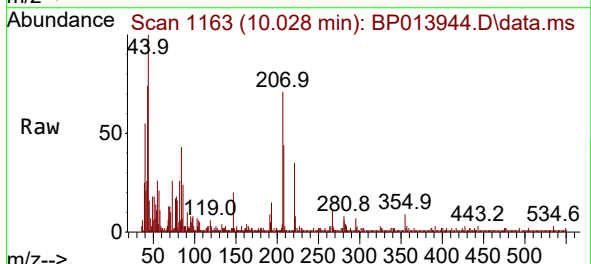
Instrument :
BNA_P
ClientSampleId :
CS-A-CRUSHED-STONE-PILE-1

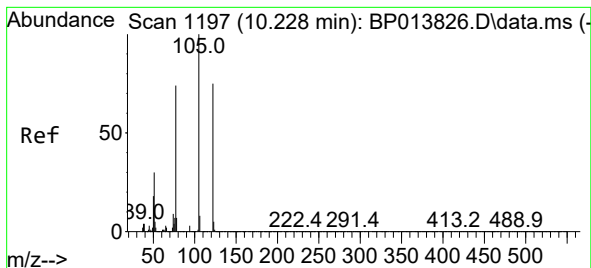
Tgt Ion: 82 Resp: 546864
Ion Ratio Lower Upper
82 100
128 38.7 32.9 49.3
54 49.9 35.6 53.4



#26
2-Nitrophenol
Concen: 2.774 ng
RT: 10.028 min Scan# 1163
Delta R.T. 0.000 min
Lab File: BP013944.D
Acq: 03 Mar 2023 14:50

Tgt Ion:139 Resp: 22
Ion Ratio Lower Upper
139 100
109 34.8 26.7 40.1
65 82.6 39.4 59.2#





#32

Benzoic acid

Concen: 5.084 ng

RT: 10.199 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BP013944.D

Acq: 03 Mar 2023 14:50

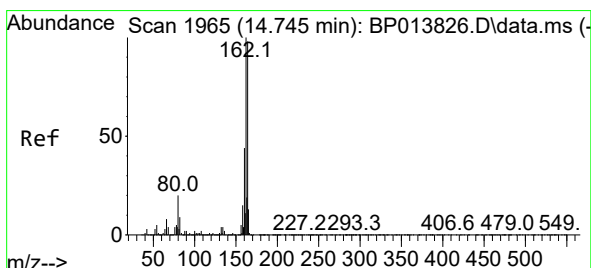
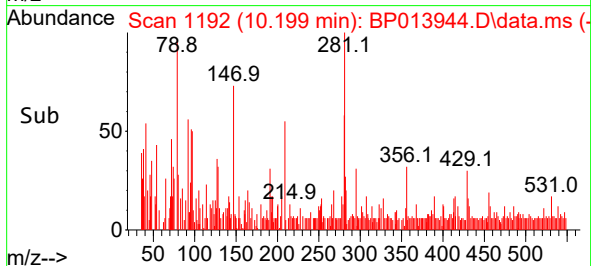
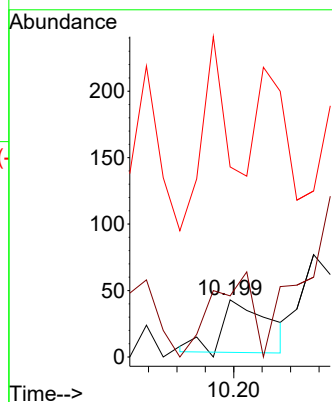
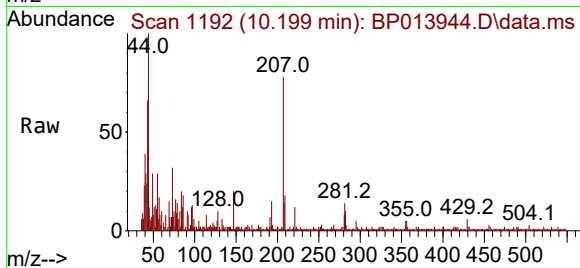
Instrument :

BNA_P

ClientSampleId :

CS-A-CRUSHED-STONE-PILE-1

Tgt Ion:	122	Resp:	45
Ion	Ratio	Lower	Upper
122	100		
105	107.0	107.4	147.4#
77	332.6	76.0	116.0#



#39

Acenaphthene-d10

Concen: 20.000 ng

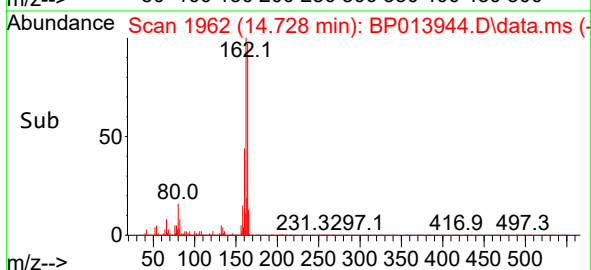
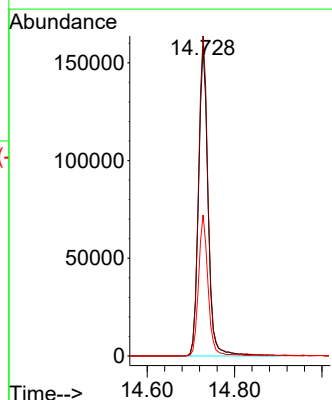
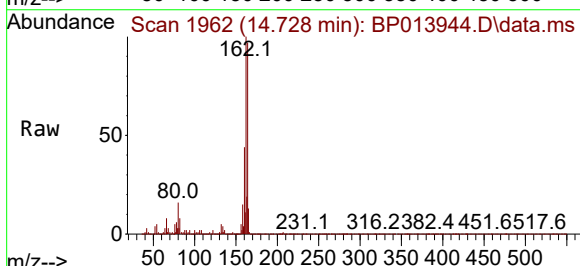
RT: 14.728 min Scan# 1962

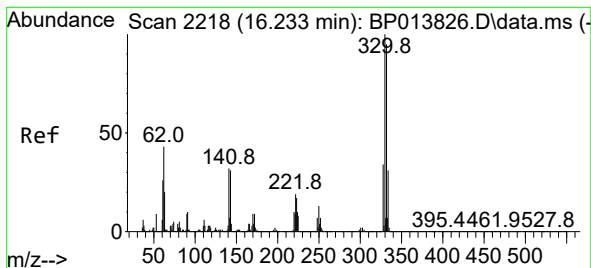
Delta R.T. -0.006 min

Lab File: BP013944.D

Acq: 03 Mar 2023 14:50

Tgt Ion:	164	Resp:	240998
Ion	Ratio	Lower	Upper
164	100		
162	103.6	81.7	122.5
160	45.6	36.1	54.1





#42

2,4,6-Tribromophenol

Concen: 111.900 ng

RT: 16.216 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP013944.D

Acq: 03 Mar 2023 14:50

Instrument :

BNA_P

ClientSampleId :

CS-A-CRUSHED-STONE-PILE-1

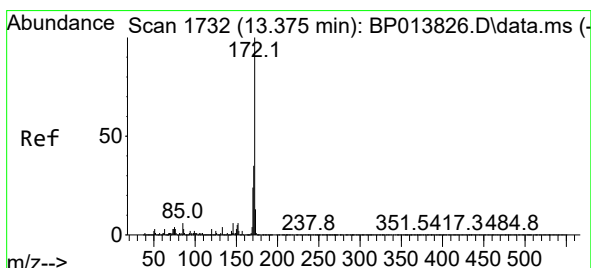
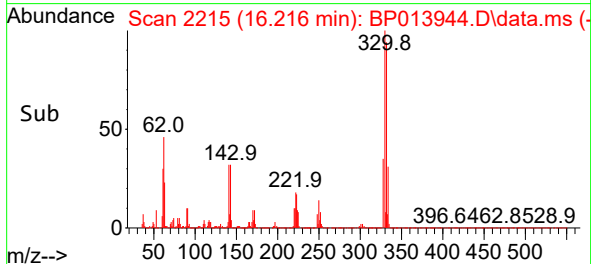
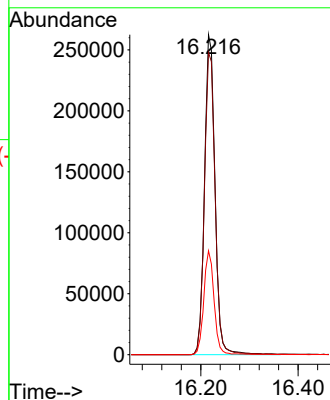
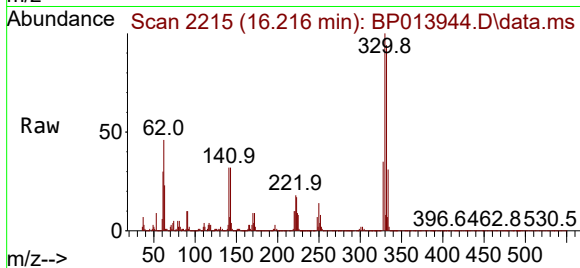
Tgt Ion:330 Resp: 392561

Ion Ratio Lower Upper

330 100

332 96.5 76.7 115.1

141 32.0 25.1 37.7



#45

2-Fluorobiphenyl

Concen: 66.332 ng

RT: 13.351 min Scan# 1728

Delta R.T. -0.006 min

Lab File: BP013944.D

Acq: 03 Mar 2023 14:50

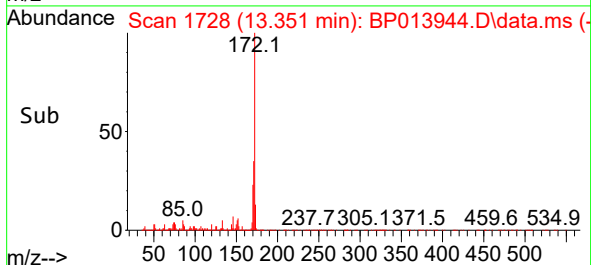
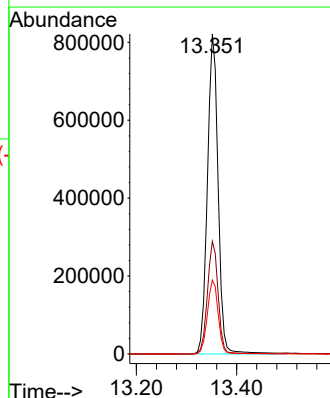
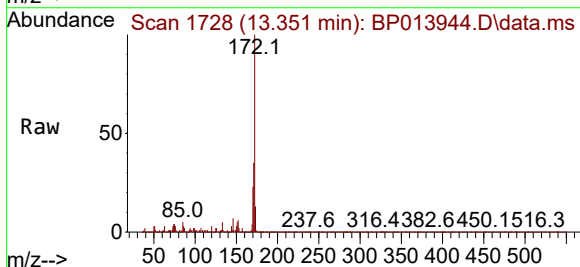
Tgt Ion:172 Resp: 1217073

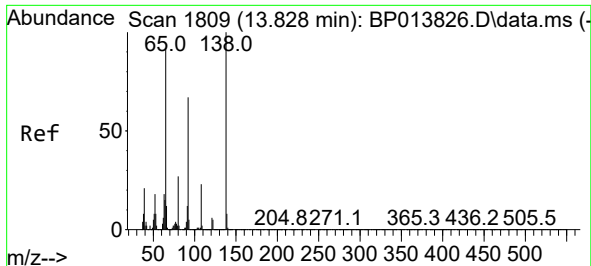
Ion Ratio Lower Upper

172 100

171 35.2 28.2 42.4

170 23.1 19.0 28.4

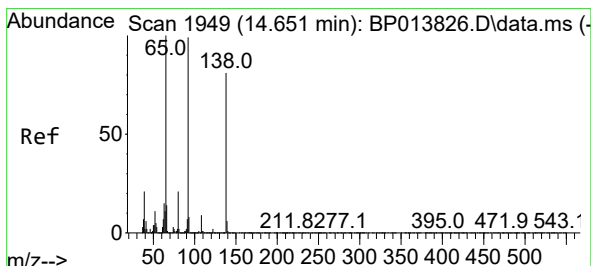
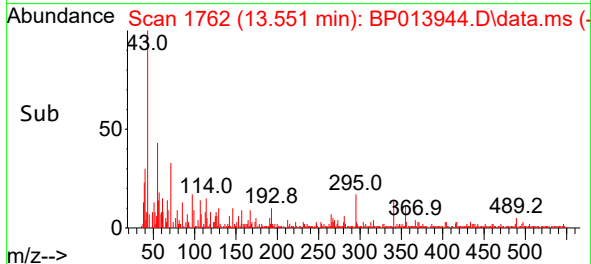
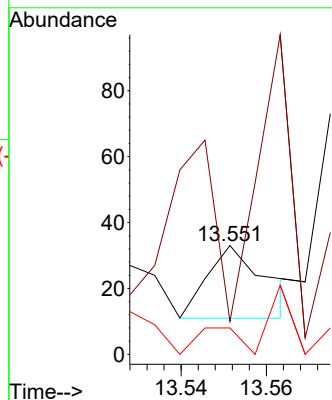
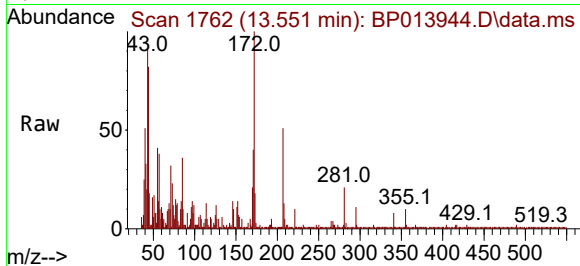




#48
2-Nitroaniline
Concen: 3.235 ng
RT: 13.551 min Scan# 11
Delta R.T. -0.265 min
Lab File: BP013944.D
Acq: 03 Mar 2023 14:50

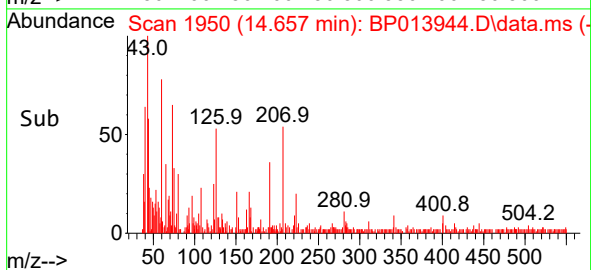
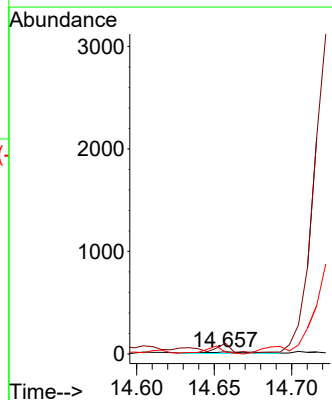
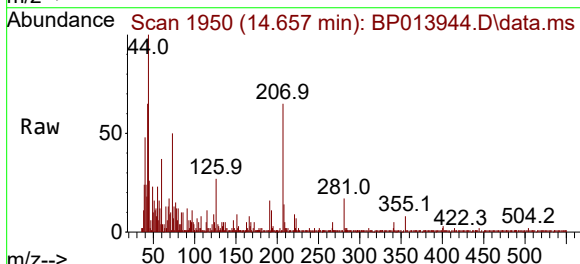
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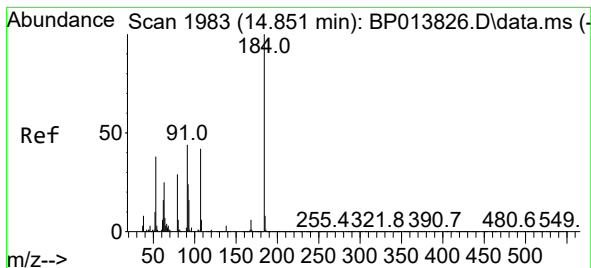
Tgt Ion: 65 Resp: 21
Ion Ratio Lower Upper
65 100
92 81.8 58.7 88.1
138 106.1 87.3 130.9



#53
3-Nitroaniline
Concen: 2.015 ng
RT: 14.657 min Scan# 1950
Delta R.T. 0.018 min
Lab File: BP013944.D
Acq: 03 Mar 2023 14:50

Tgt Ion:138 Resp: 33
Ion Ratio Lower Upper
138 100
108 576.2 9.0 13.4#
92 81.0 97.1 145.7#

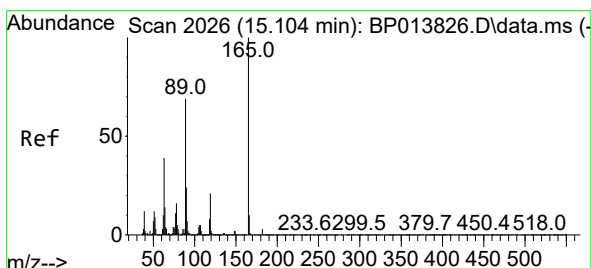
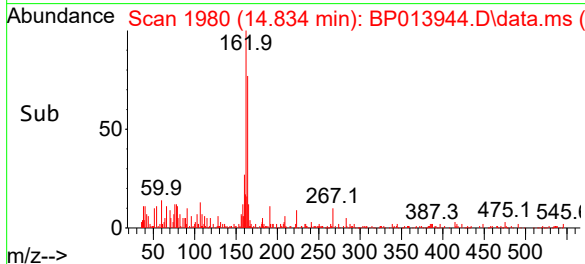
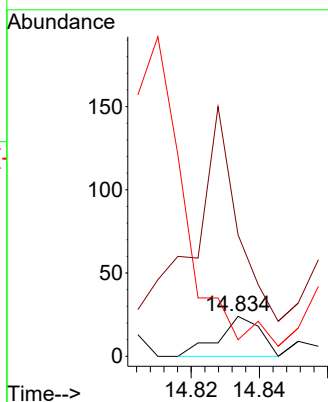
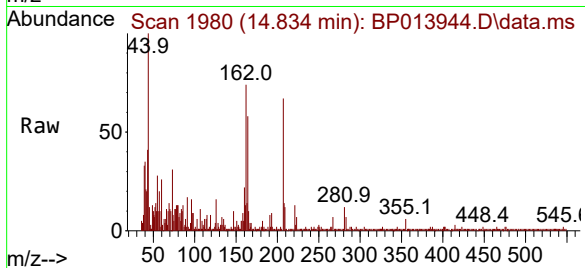




#54
2,4-Dinitrophenol
Concen: 5.269 ng
RT: 14.834 min Scan# 1983
Delta R.T. -0.006 min
Lab File: BP013944.D
Acq: 03 Mar 2023 14:50

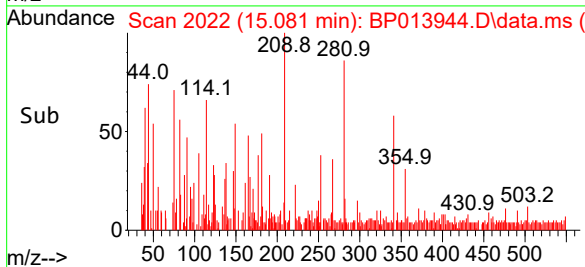
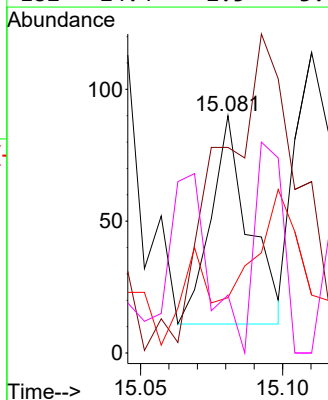
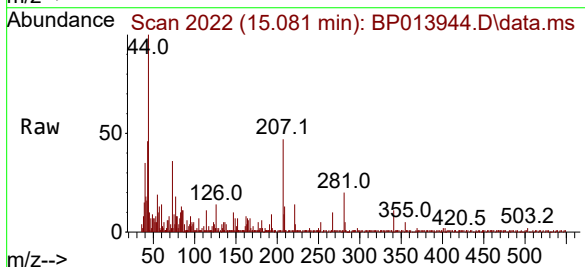
Instrument :
BNA_P
ClientSampleId :
CS-A-CRUSHED-STONE-PILE-1

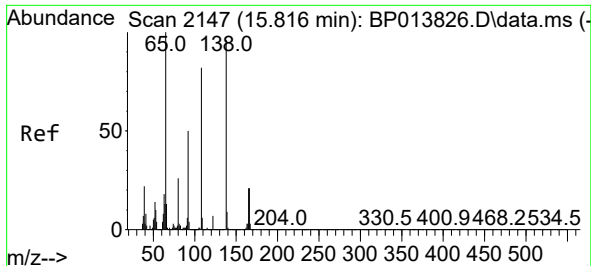
Tgt Ion:184 Resp: 20
Ion Ratio Lower Upper
184 100
63 304.2 47.0 70.4#
154 75.0 51.5 77.3



#57
2,4-Dinitrotoluene
Concen: 2.293 ng
RT: 15.081 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BP013944.D
Acq: 03 Mar 2023 14:50

Tgt Ion:165 Resp: 73
Ion Ratio Lower Upper
165 100
63 86.7 31.1 46.7#
89 37.8 54.9 82.3#
182 24.4 2.5 3.7#

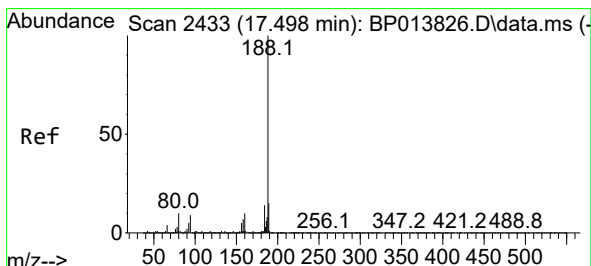
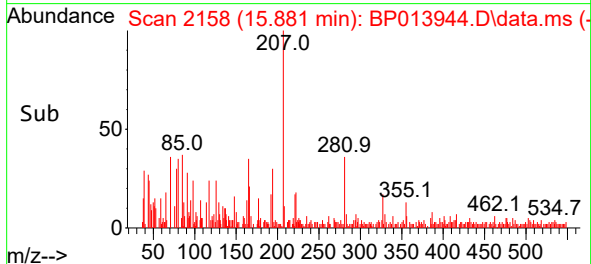
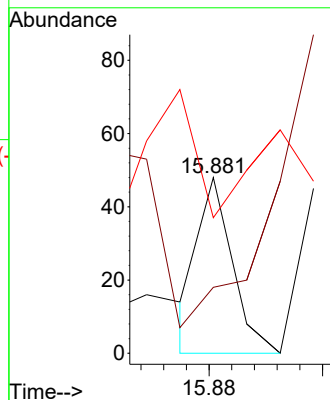
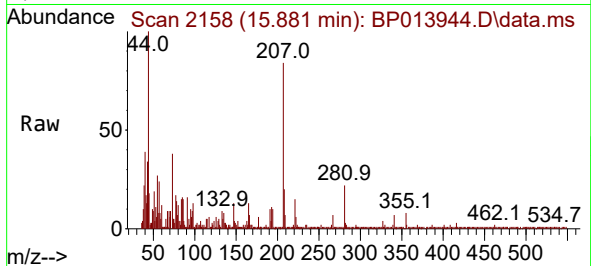




#62
4-Nitroaniline
Concen: 2.551 ng
RT: 15.881 min Scan# 2147
Delta R.T. 0.077 min
Lab File: BP013944.D
Acq: 03 Mar 2023 14:50

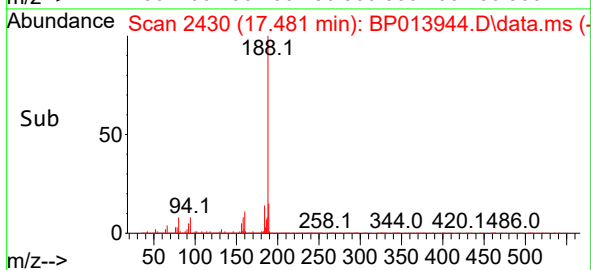
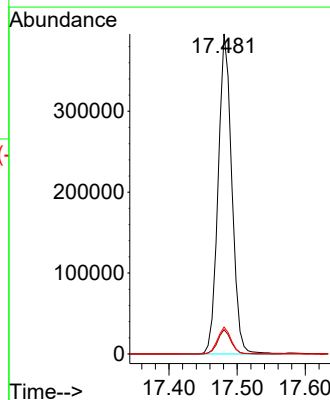
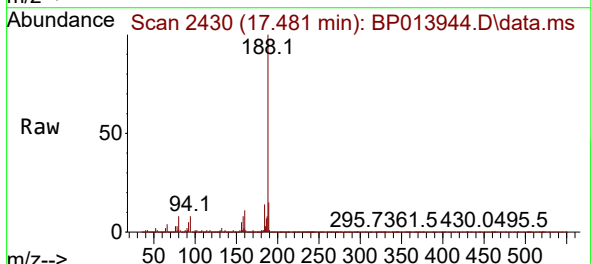
Instrument :
BNA_P
ClientSampleId :
CS-A-CRUSHED-STONE-PILE-1

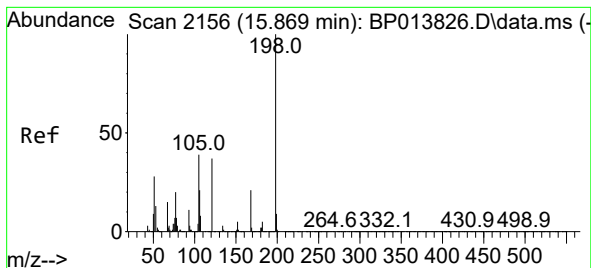
Tgt Ion:138 Resp: 20
Ion Ratio Lower Upper
138 100
92 37.5 32.0 72.0
108 77.1 65.6 105.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.481 min Scan# 2430
Delta R.T. -0.006 min
Lab File: BP013944.D
Acq: 03 Mar 2023 14:50

Tgt Ion:188 Resp: 552031
Ion Ratio Lower Upper
188 100
94 7.6 7.0 10.6
80 8.4 7.8 11.8

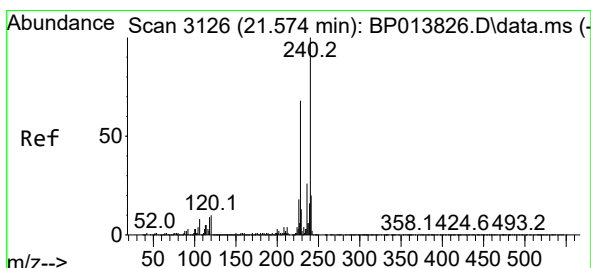
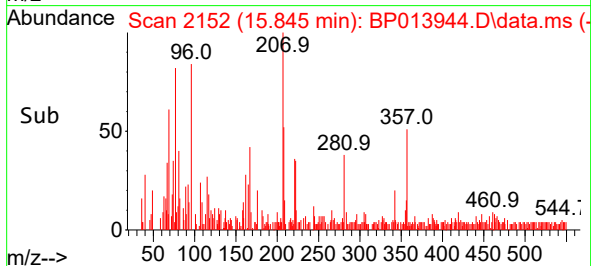
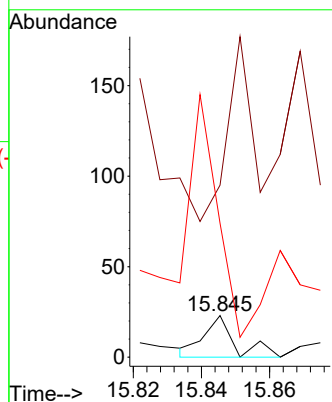
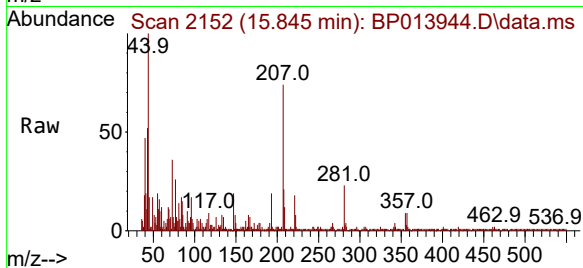




#65
4,6-Dinitro-2-methylphenol
Concen: 4.627 ng
RT: 15.845 min Scan# 2156
Delta R.T. -0.012 min
Lab File: BP013944.D
Acq: 03 Mar 2023 14:50

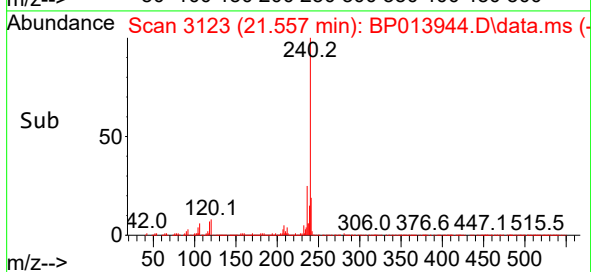
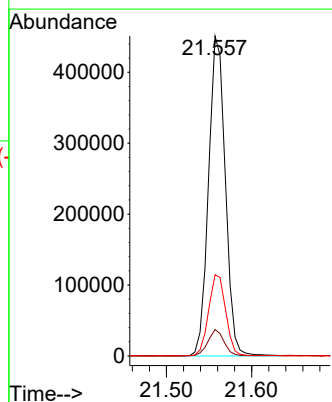
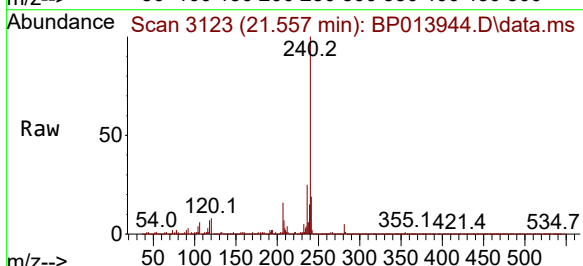
Instrument :
BNA_P
ClientSampleId :
CS-A-CRUSHED-STONE-PILE-1

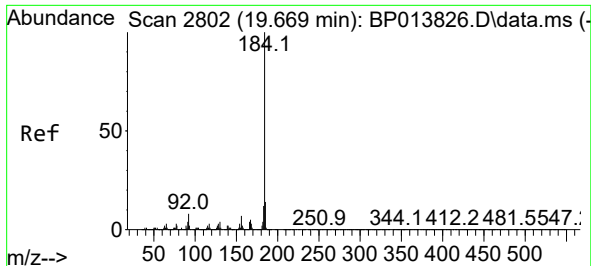
Tgt Ion:198 Resp: 14
Ion Ratio Lower Upper
198 100
51 413.0 14.3 54.3#
105 321.7 20.5 60.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.557 min Scan# 3123
Delta R.T. -0.012 min
Lab File: BP013944.D
Acq: 03 Mar 2023 14:50

Tgt Ion:240 Resp: 617213
Ion Ratio Lower Upper
240 100
120 8.3 7.9 11.9
236 25.4 20.9 31.3

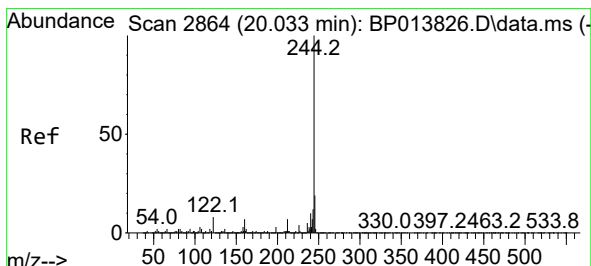
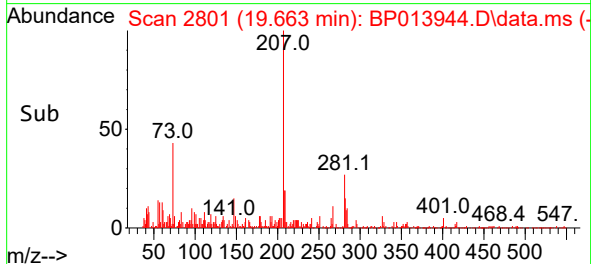
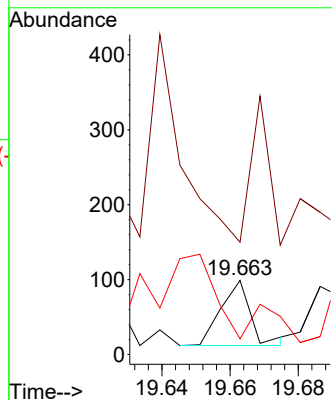
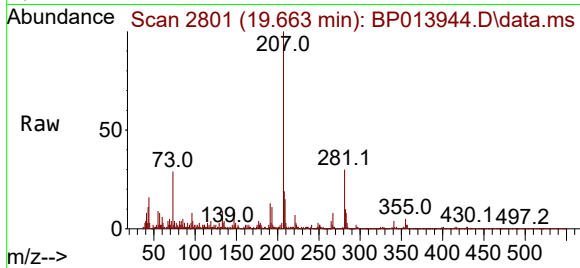




#77
Benzidine
Concen: 2.287 ng
RT: 19.663 min Scan# 2802
Delta R.T. 0.006 min
Lab File: BP013944.D
Acq: 03 Mar 2023 14:50

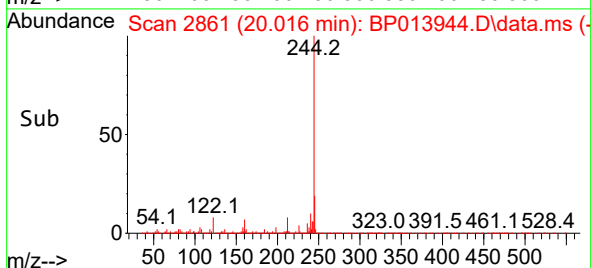
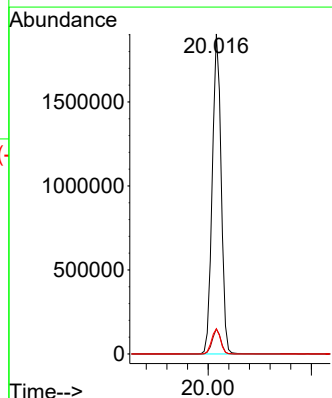
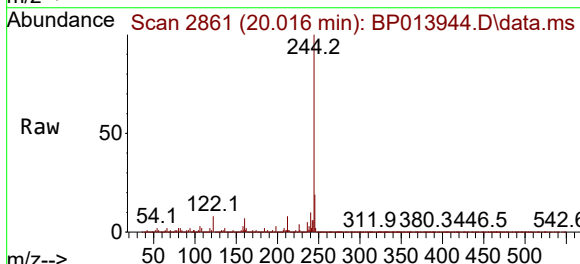
Instrument :
BNA_P
ClientSampleId :
CS-A-CRUSHED-STONE-PILE-1

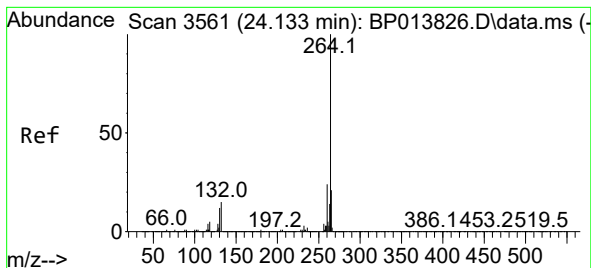
Tgt Ion:184 Resp: 53
Ion Ratio Lower Upper
184 100
185 151.5 11.4 17.0#
183 21.2 9.6 14.4#



#79
Terphenyl-d14
Concen: 70.708 ng
RT: 20.016 min Scan# 2861
Delta R.T. -0.006 min
Lab File: BP013944.D
Acq: 03 Mar 2023 14:50

Tgt Ion:244 Resp: 2268288
Ion Ratio Lower Upper
244 100
212 7.8 5.8 8.6
122 7.9 6.7 10.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.104 min Scan# 3

Delta R.T. -0.006 min

Lab File: BP013944.D

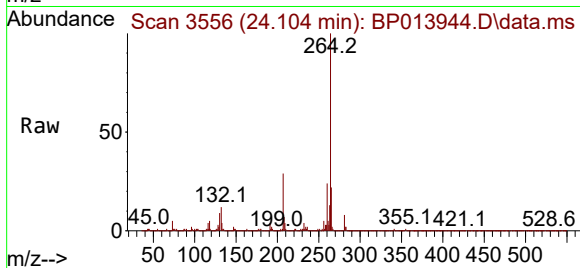
Acq: 03 Mar 2023 14:50

Instrument :

BNA_P

ClientSampleId :

CS-A-CRUSHED-STONE-PILE-1



Tgt Ion:264 Resp: 722603

Ion Ratio Lower Upper

264 100

260 24.3 19.4 29.0

265 22.0 17.6 26.4

