

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011322\
 Data File : BP008794.D
 Acq On : 13 Jan 2022 17:24
 Operator : CG/JU
 Sample : N1119-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 NORTH-EAST-CORNER-EXCAVATION-WEST-SIDEWALL

Quant Time: Jan 13 23:27:02 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP010622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 12 00:18:56 2022
 Response via : Initial Calibration

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

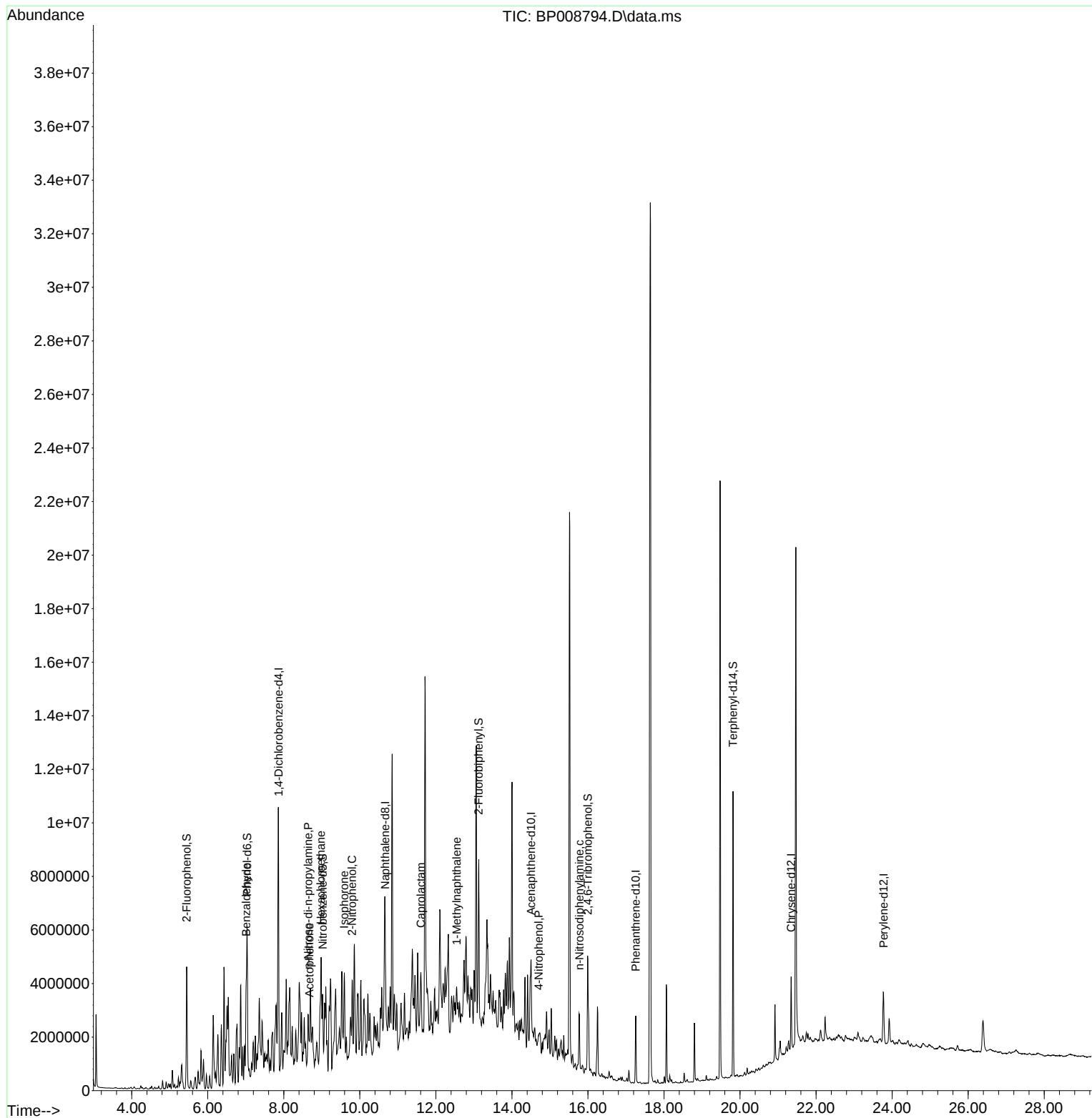
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	335462	20.000	ng	0.00
21) Naphthalene-d8	10.669	136	1240547	20.000	ng	# 0.00
39) Acenaphthene-d10	14.504	164	807279	20.000	ng	0.00
64) Phenanthrene-d10	17.257	188	1546187	20.000	ng	0.00
76) Chrysene-d12	21.345	240	1310344	20.000	ng	0.00
86) Perylene-d12	23.774	264	1471038	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	1859969	86.825	ng	0.00
7) Phenol-d6	7.040	99	2172932	75.560	ng	0.00
23) Nitrobenzene-d5	9.022	82	1462961	66.786	ng	0.00
42) 2,4,6-Tribromophenol	15.998	330	946040	69.461	ng	0.00
45) 2-Fluorobiphenyl	13.128	172	3217863	56.040	ng	0.00
79) Terphenyl-d14	19.815	244	4075340	63.380	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.010	77	41289	2.121	ng	# 43
18) Hexachloroethane	8.975	117	38826	4.130	ng	# 1
19) n-Nitroso-di-n-propyla...	8.640	70	97758	5.236	ng	# 65
22) Acetophenone	8.675	105	183435	5.604	ng	# 49
25) Isophorone	9.592	82	335243	7.782	ng	# 1
26) 2-Nitrophenol	9.798	139	33865	2.928	ng	# 1
35) Caprolactam	11.604	113	46237	5.860	ng	# 1
38) 1-Methylnaphthalene	12.551	142	275341	5.618	ng	# 96
56) 4-Nitrophenol	14.704	139	36968	3.135	ng	# 26
66) n-Nitrosodiphenylamine	15.774	169	97686	2.085	ng	# 43

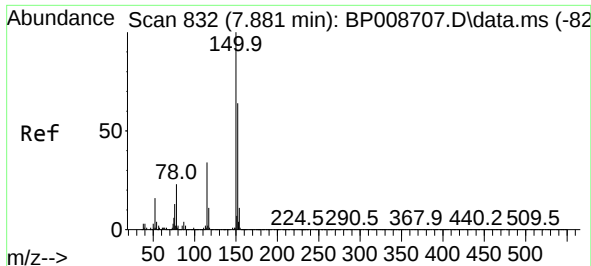
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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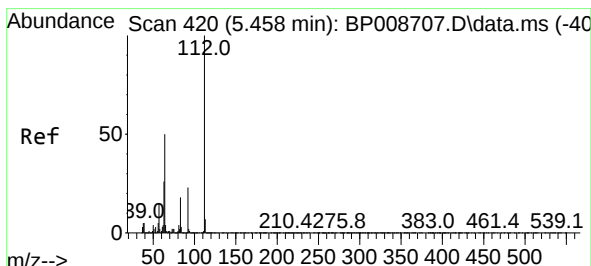
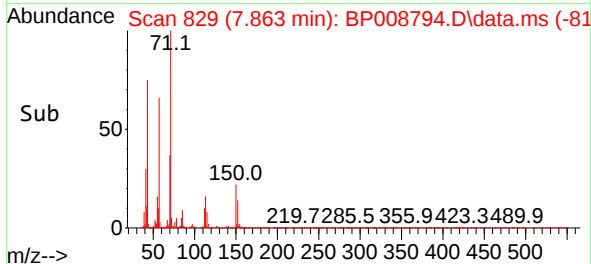
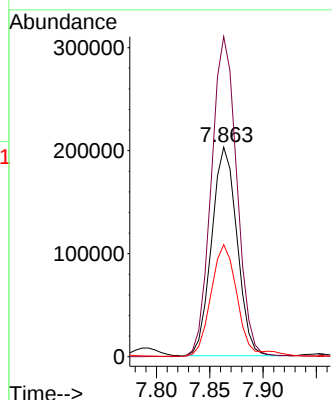
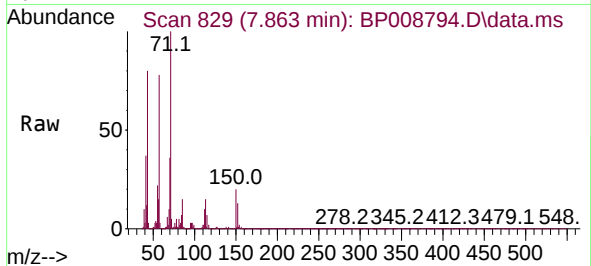




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.863 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP008794.D
Acq: 13 Jan 2022 17:24

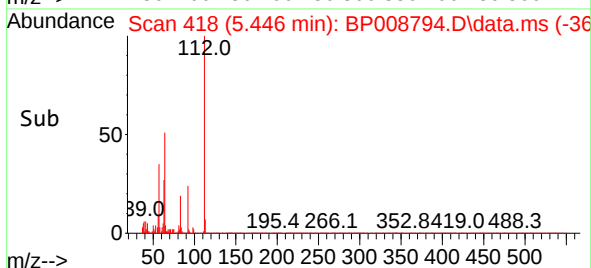
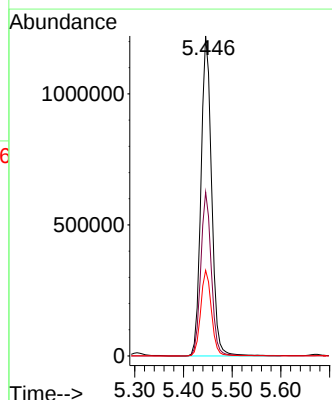
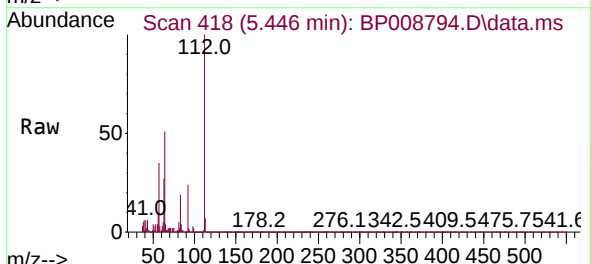
Instrument :
BNA_P
ClientSampleId :
NORTH-EAST-CORNER-EXCAVATION-WEST-SIDEWALL

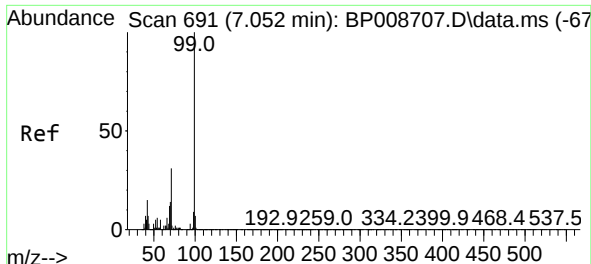
Tgt Ion:152 Resp: 335462
Ion Ratio Lower Upper
152 100
150 152.8 127.0 190.6
115 53.5 43.7 65.5



#5
2-Fluorophenol
Concen: 86.825 ng
RT: 5.446 min Scan# 418
Delta R.T. -0.000 min
Lab File: BP008794.D
Acq: 13 Jan 2022 17:24

Tgt Ion:112 Resp: 1859969
Ion Ratio Lower Upper
112 100
64 51.2 39.7 59.5
63 26.8 20.0 30.0

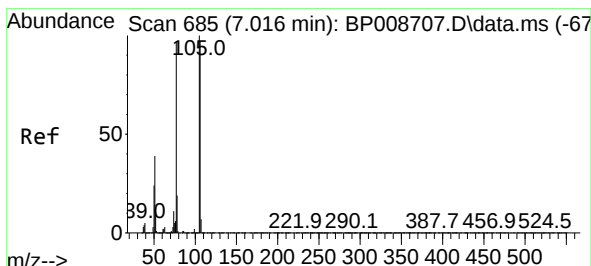
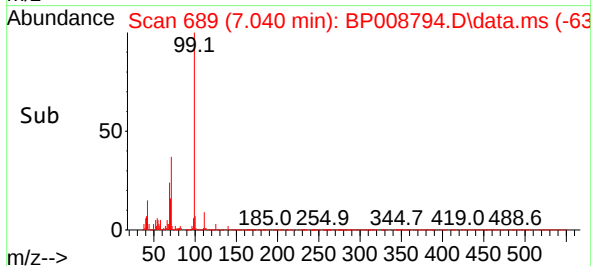
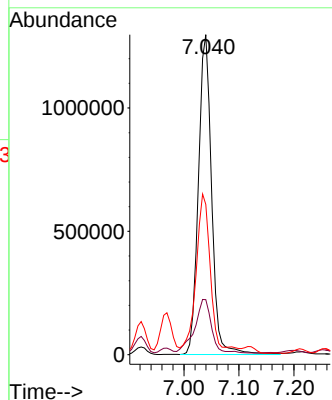
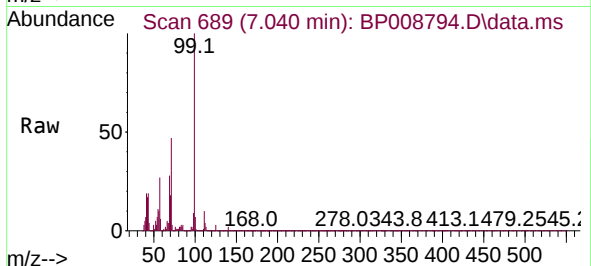




#7
Phenol-d6
Concen: 75.560 ng
RT: 7.040 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP008794.D
Acq: 13 Jan 2022 17:24

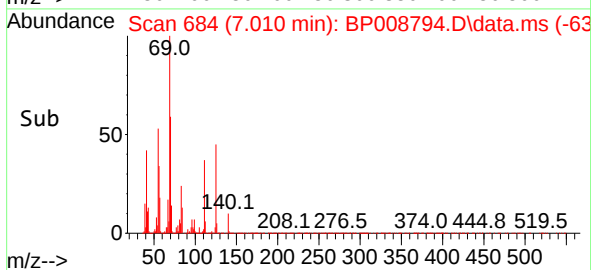
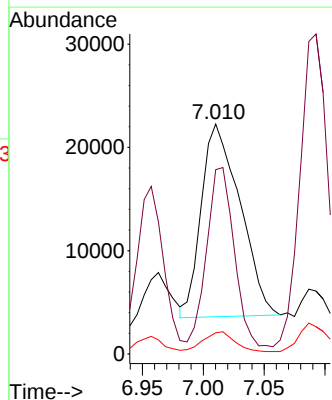
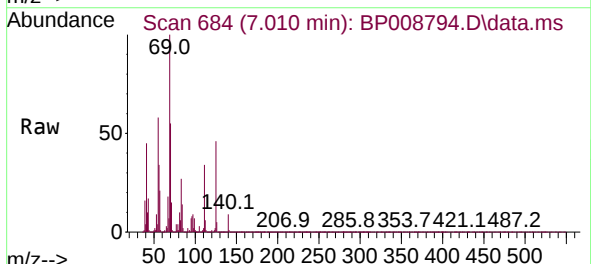
Instrument : BNA_P
ClientSampleId : NORTH-EAST-CORNER-EXCAVATION-WEST-SIDEWALL

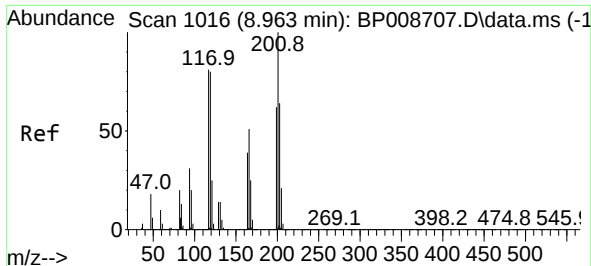
Tgt Ion: 99 Resp: 2172932
Ion Ratio Lower Upper
99 100
42 17.2 10.8 16.2#
71 46.9 23.8 35.6#



#9
Benzaldehyde
Concen: 2.121 ng
RT: 7.010 min Scan# 684
Delta R.T. 0.005 min
Lab File: BP008794.D
Acq: 13 Jan 2022 17:24

Tgt Ion: 77 Resp: 41289
Ion Ratio Lower Upper
77 100
105 80.2 84.2 124.2#
106 9.2 80.6 120.6#

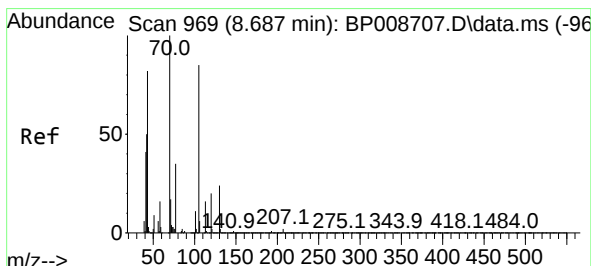
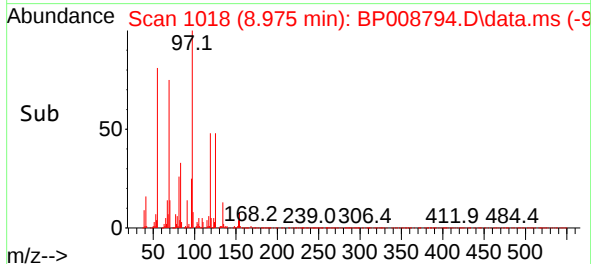
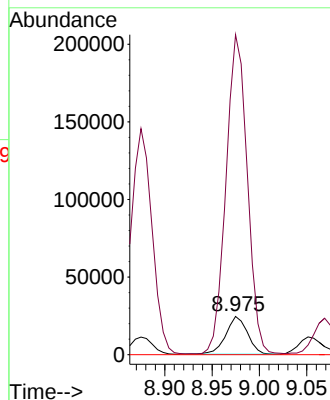
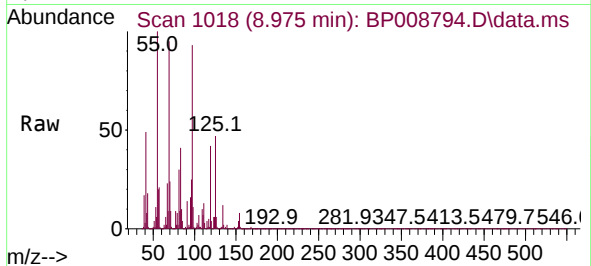




#18
Hexachloroethane
Concen: 4.130 ng
RT: 8.975 min Scan# 1016
Delta R.T. 0.023 min
Lab File: BP008794.D
Acq: 13 Jan 2022 17:24

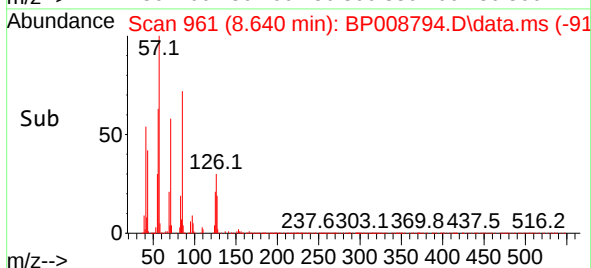
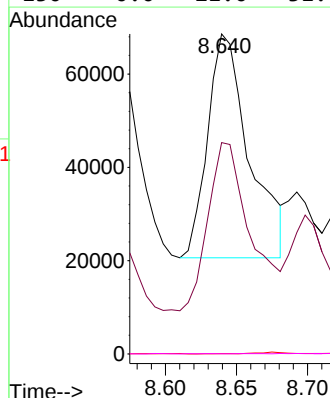
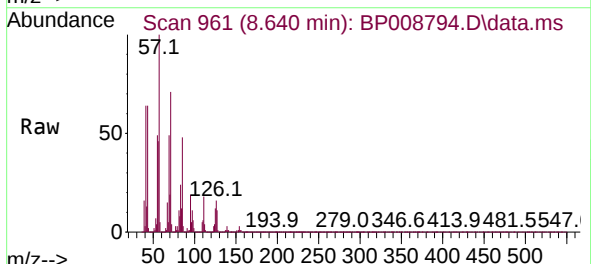
Instrument : BNA_P
ClientSampleId : NORTH-EAST-CORNER-EXCAVATION-WEST-SIDEWALL

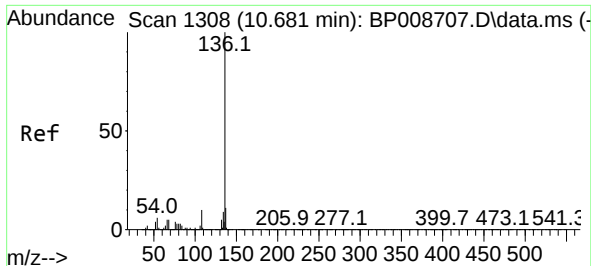
Tgt Ion:117 Resp: 38826
Ion Ratio Lower Upper
117 100
119 835.3 76.9 115.3#
201 0.1 93.7 140.5#



#19
n-Nitroso-di-n-propylamine
Concen: 5.236 ng
RT: 8.640 min Scan# 961
Delta R.T. -0.042 min
Lab File: BP008794.D
Acq: 13 Jan 2022 17:24

Tgt Ion: 70 Resp: 97758
Ion Ratio Lower Upper
70 100
42 66.0 38.2 57.2#
101 0.1 8.7 13.1#
130 0.0 21.0 31.6#

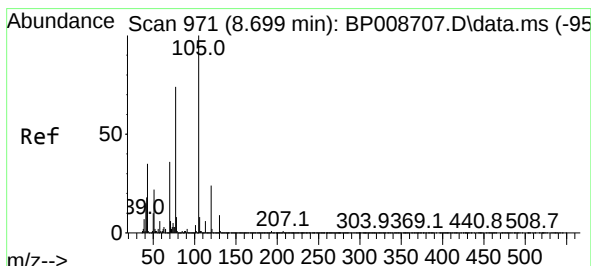
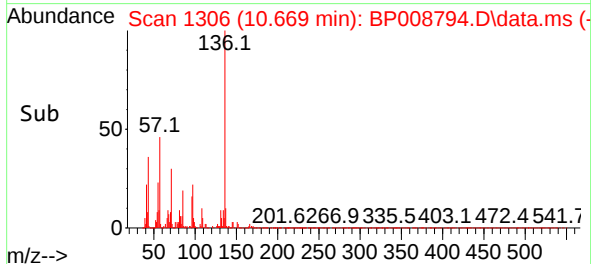
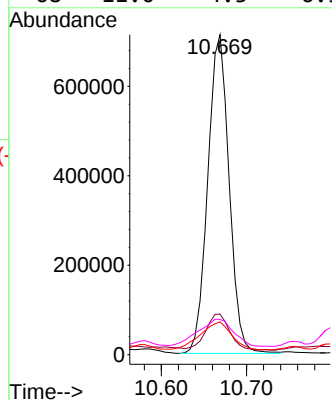
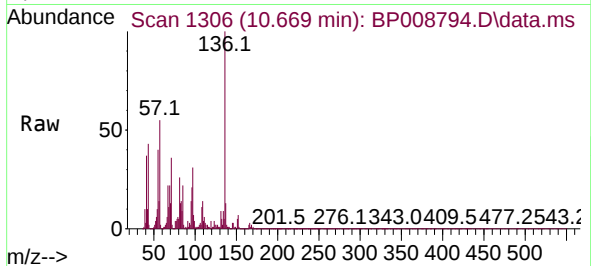




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.669 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP008794.D
Acq: 13 Jan 2022 17:24

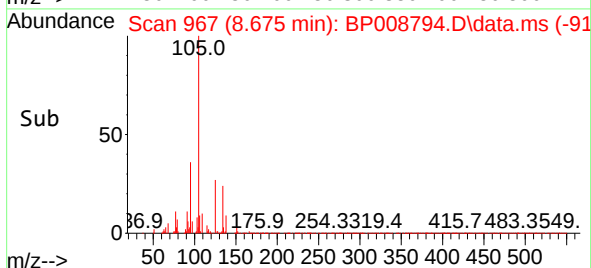
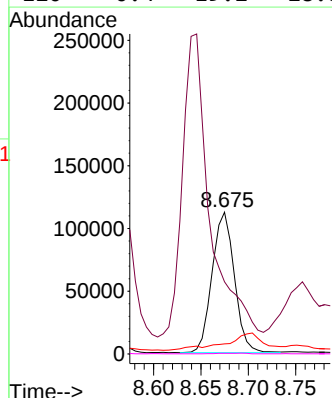
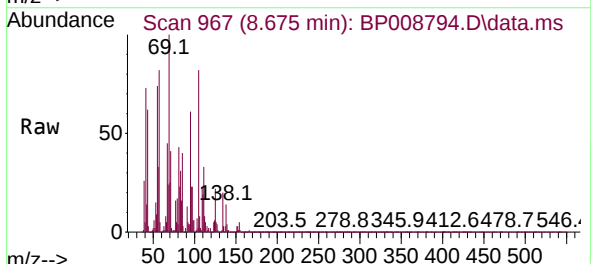
Instrument : BNA_P
ClientSampleId : NORTH-EAST-CORNER-EXCAVATION-WEST-SIDEWALL

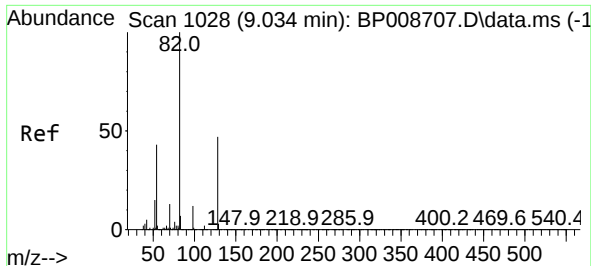
Tgt Ion:	136	Resp:	1240547
Ion	Ratio	Lower	Upper
136	100		
137	12.7	9.0	13.4
54	10.2	4.9	7.3#
68	11.0	4.3	6.5#



#22
Acetophenone
Concen: 5.604 ng
RT: 8.675 min Scan# 967
Delta R.T. -0.018 min
Lab File: BP008794.D
Acq: 13 Jan 2022 17:24

Tgt Ion:	105	Resp:	183435
Ion	Ratio	Lower	Upper
105	100		
71	50.9	5.3	7.9#
51	7.1	16.3	24.5#
120	0.4	19.2	28.8#

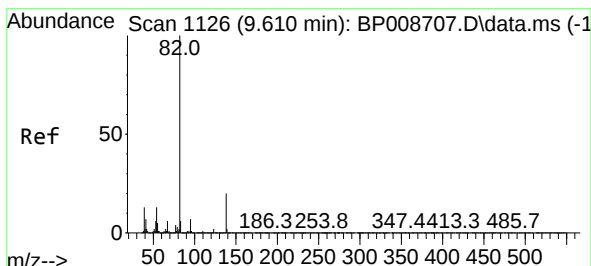
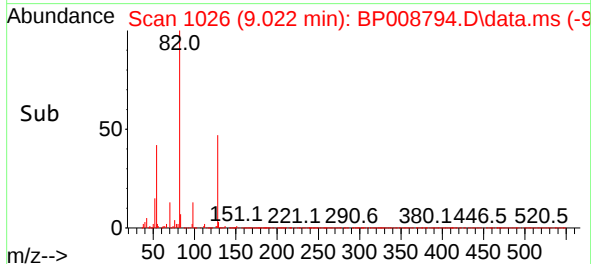
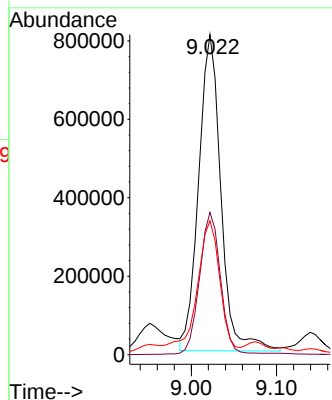
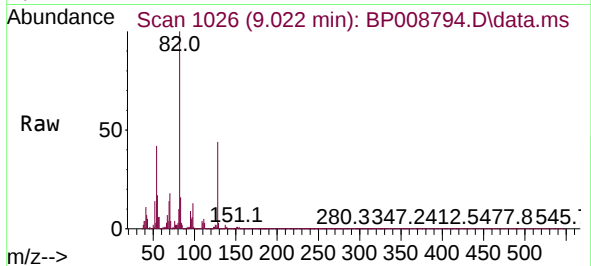




#23
Nitrobenzene-d5
Concen: 66.786 ng
RT: 9.022 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BP008794.D
Acq: 13 Jan 2022 17:24

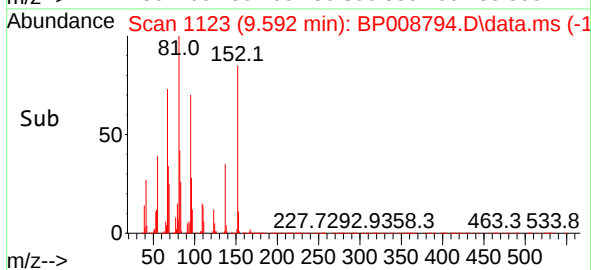
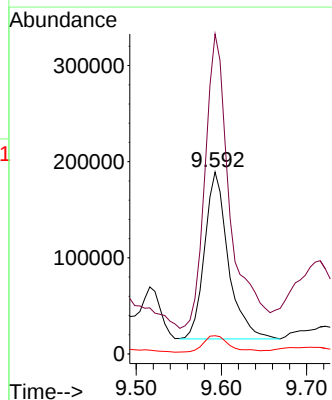
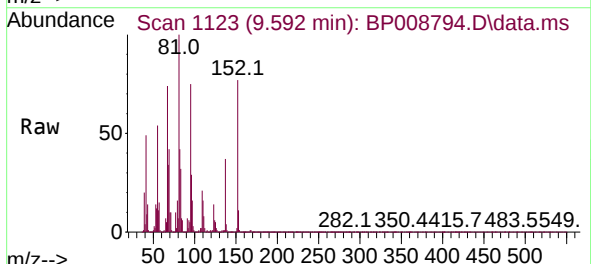
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ClientSampleId : NORTH-EAST-CORNER-EXCAVATION-WEST-SIDEWALL

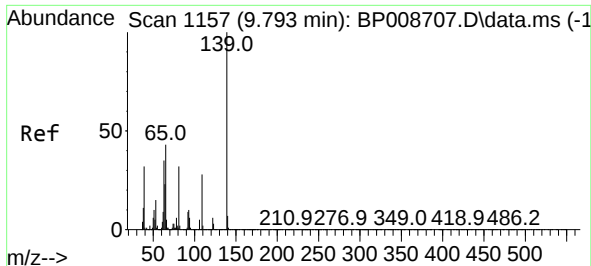
Tgt Ion: 82 Resp: 1462961
Ion Ratio Lower Upper
82 100
128 44.5 39.4 59.2
54 41.9 32.6 48.8



#25
Isophorone
Concen: 7.782 ng
RT: 9.592 min Scan# 1123
Delta R.T. -0.012 min
Lab File: BP008794.D
Acq: 13 Jan 2022 17:24

Tgt Ion: 82 Resp: 335243
Ion Ratio Lower Upper
82 100
95 175.8 5.4 8.2#
138 10.0 16.6 24.8#

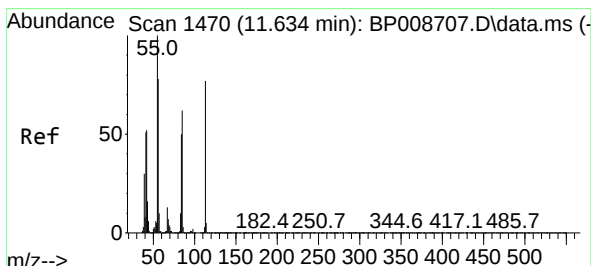
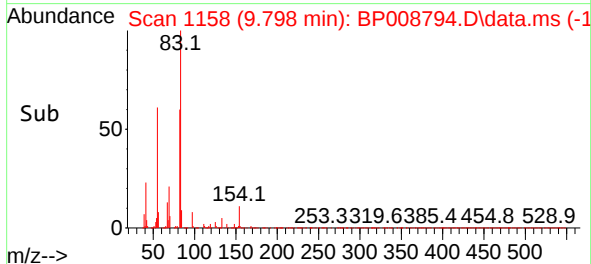
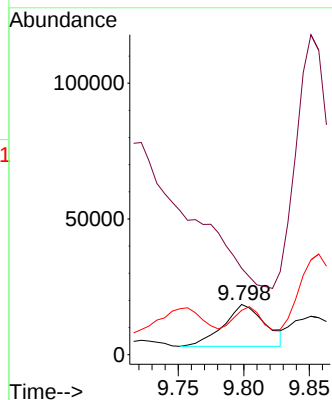
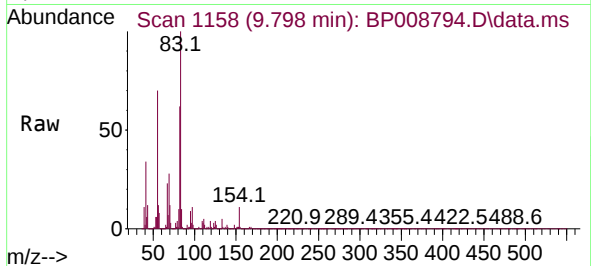




#26
2-Nitrophenol
Concen: 2.928 ng
RT: 9.798 min Scan# 1157
Delta R.T. 0.017 min
Lab File: BP008794.D
Acq: 13 Jan 2022 17:24

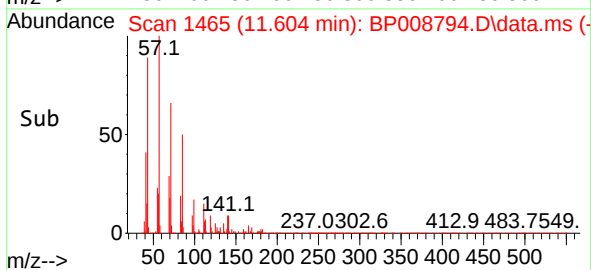
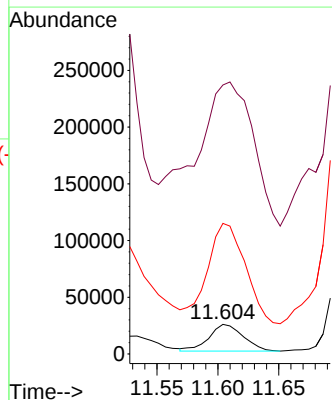
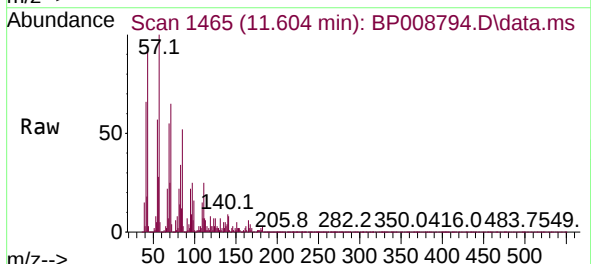
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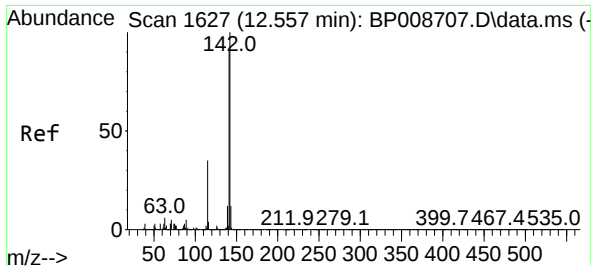
Tgt Ion:139 Resp: 33865
Ion Ratio Lower Upper
139 100
109 172.1 20.7 31.1#
65 88.3 31.6 47.4#



#35
Caprolactam
Concen: 5.860 ng
RT: 11.604 min Scan# 1465
Delta R.T. -0.030 min
Lab File: BP008794.D
Acq: 13 Jan 2022 17:24

Tgt Ion:113 Resp: 46237
Ion Ratio Lower Upper
113 100
55 906.7 107.1 147.1#
56 440.1 74.1 114.1#

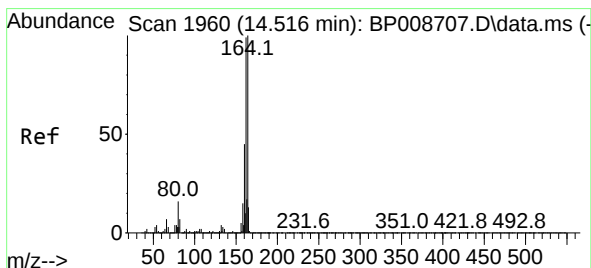
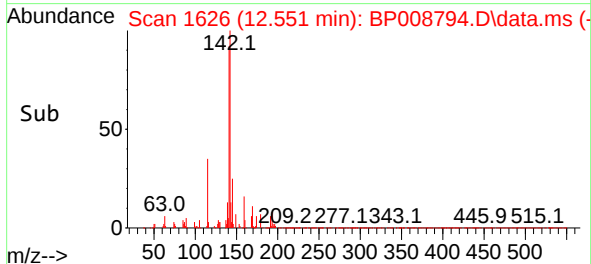
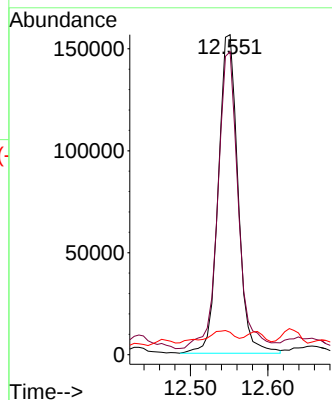
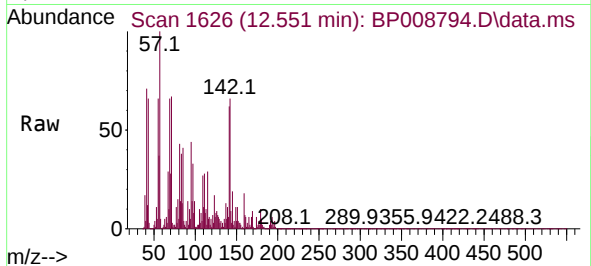




#38
1-Methylnaphthalene
Concen: 5.618 ng
RT: 12.551 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP008794.D
Acq: 13 Jan 2022 17:24

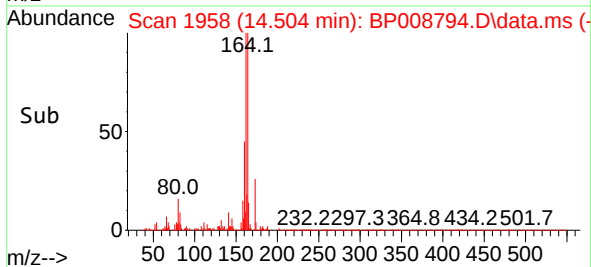
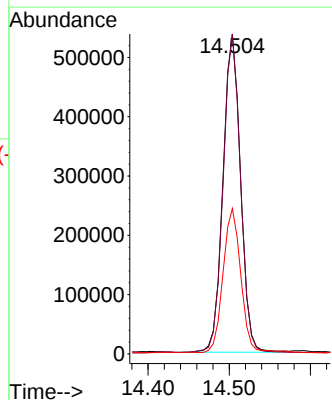
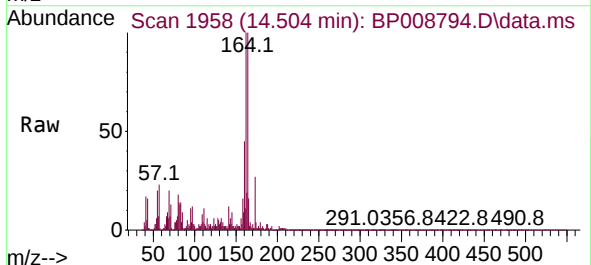
Instrument : BNA_P
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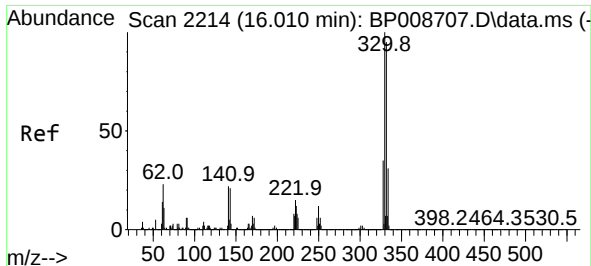
Tgt Ion:142 Resp: 275341
Ion Ratio Lower Upper
142 100
141 94.7 73.2 109.8
116 7.0 2.7 4.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.504 min Scan# 1958
Delta R.T. -0.000 min
Lab File: BP008794.D
Acq: 13 Jan 2022 17:24

Tgt Ion:164 Resp: 807279
Ion Ratio Lower Upper
164 100
162 100.1 79.9 119.9
160 45.5 35.5 53.3

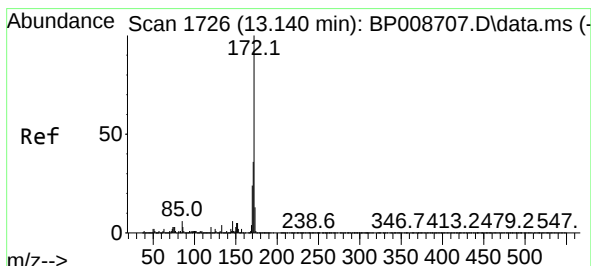
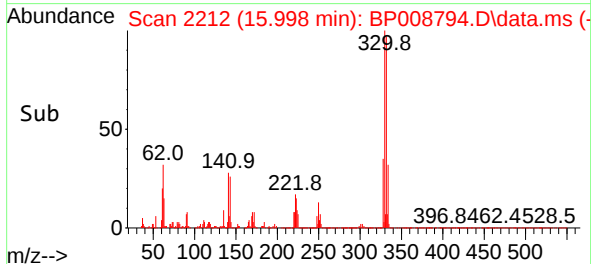
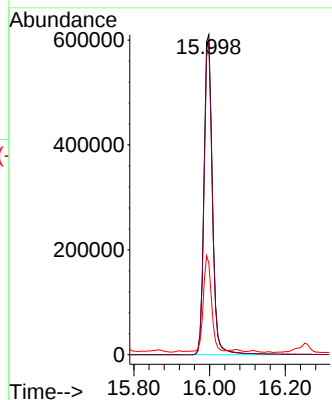
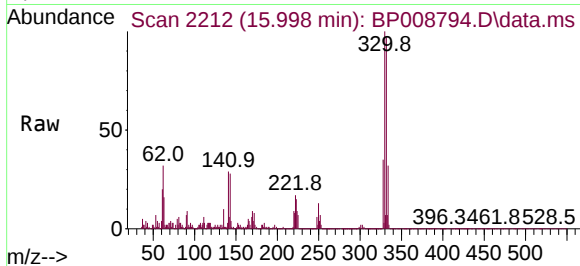




#42
2,4,6-Tribromophenol
Concen: 69.461 ng
RT: 15.998 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP008794.D
Acq: 13 Jan 2022 17:24

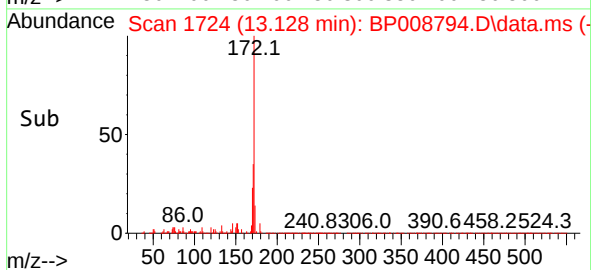
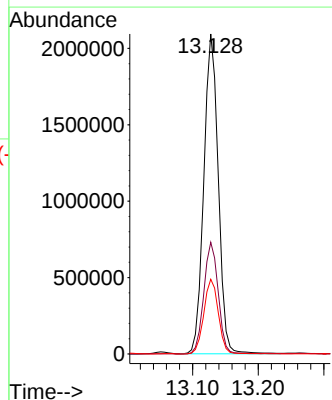
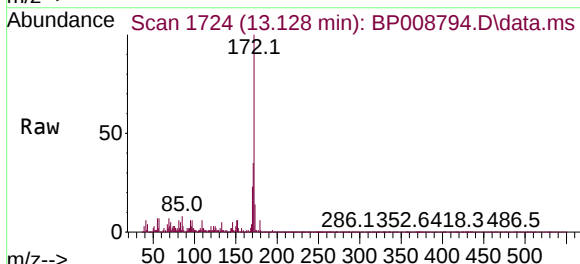
Instrument : BNA_P
ClientSampleId : NORTH-EAST-CORNER-EXCAVATION-WEST-SIDEWALL

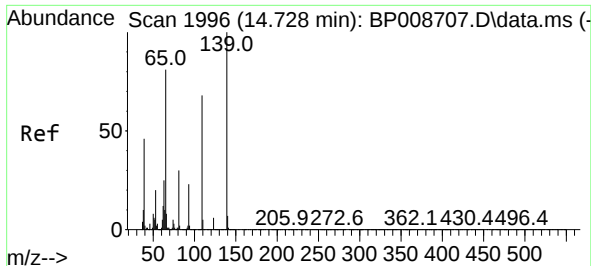
Tgt Ion:330 Resp: 946040
Ion Ratio Lower Upper
330 100
332 96.4 77.0 115.4
141 28.7 21.3 31.9



#45
2-Fluorobiphenyl
Concen: 56.040 ng
RT: 13.128 min Scan# 1724
Delta R.T. -0.006 min
Lab File: BP008794.D
Acq: 13 Jan 2022 17:24

Tgt Ion:172 Resp: 3217863
Ion Ratio Lower Upper
172 100
171 34.9 29.3 43.9
170 23.4 19.5 29.3

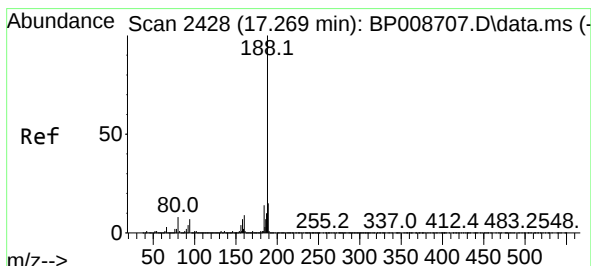
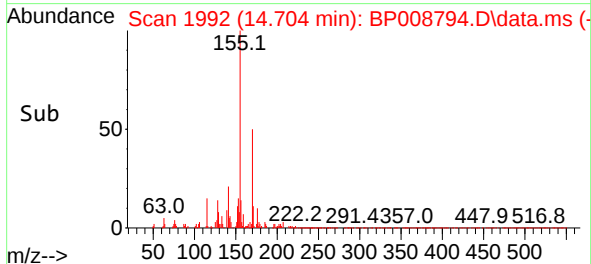
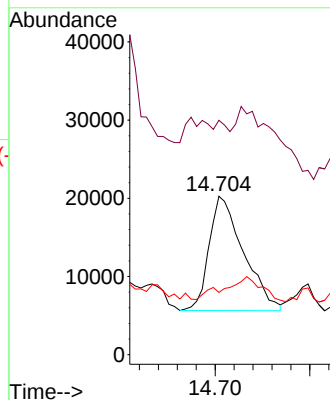
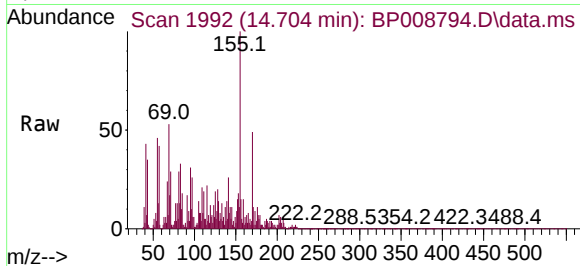




#56
4-Nitrophenol
Concen: 3.135 ng
RT: 14.704 min Scan# 1992
Delta R.T. -0.024 min
Lab File: BP008794.D
Acq: 13 Jan 2022 17:24

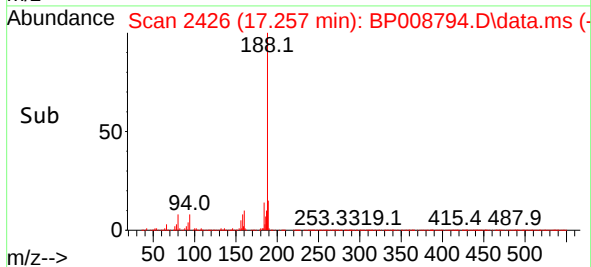
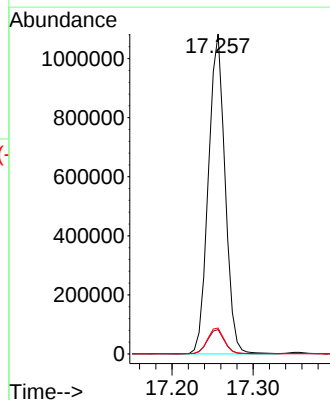
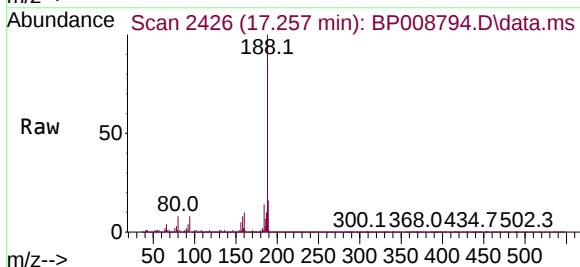
Instrument : BNA_P
ClientSampleId : NORTH-EAST-CORNER-EXCAVATION-WEST-SIDEWALL

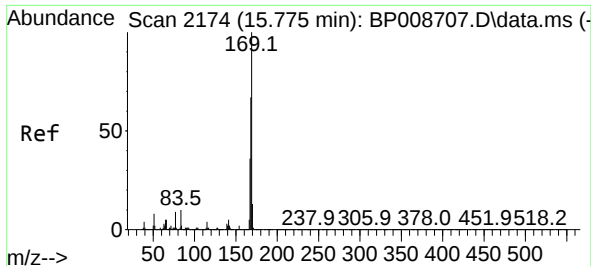
Tgt Ion:139 Resp: 36968
Ion Ratio Lower Upper
139 100
109 148.0 42.2 82.2#
65 39.3 57.3 97.3#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.257 min Scan# 2426
Delta R.T. -0.000 min
Lab File: BP008794.D
Acq: 13 Jan 2022 17:24

Tgt Ion:188 Resp: 1546187
Ion Ratio Lower Upper
188 100
94 7.6 6.8 10.2
80 8.1 7.2 10.8

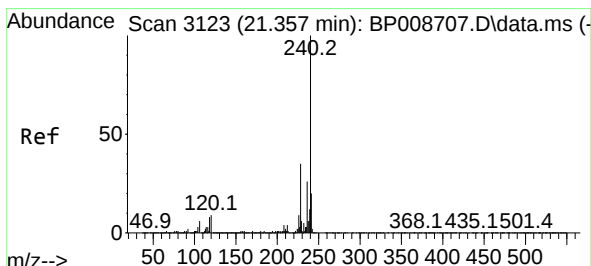
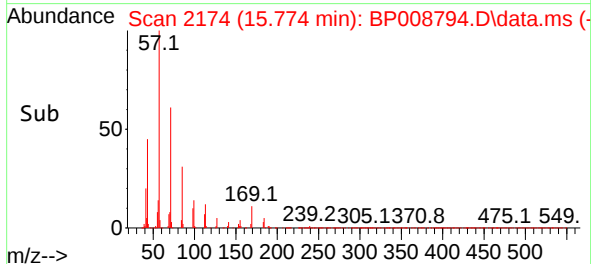
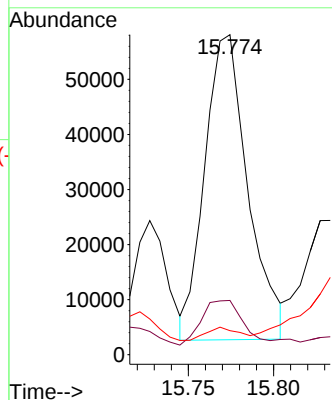
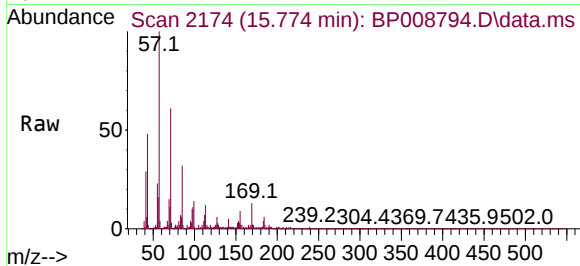




#66
n-Nitrosodiphenylamine
Concen: 2.085 ng
RT: 15.774 min Scan# 2174
Delta R.T. 0.011 min
Lab File: BP008794.D
Acq: 13 Jan 2022 17:24

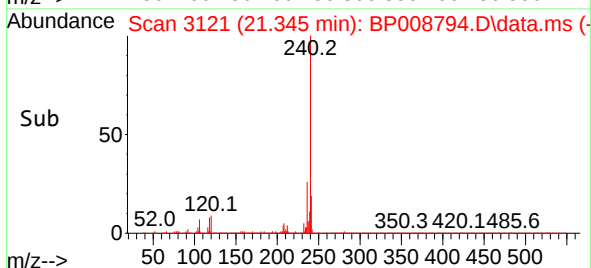
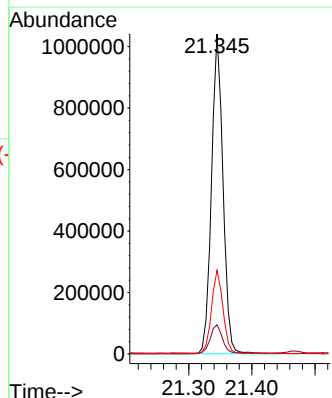
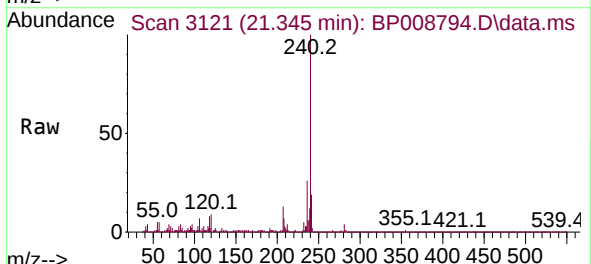
Instrument : BNA_P
ClientSampleId : NORTH-EAST-CORNER-EXCAVATION-WEST-SIDEWALL

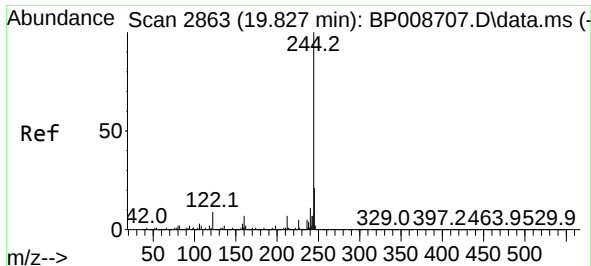
Tgt Ion:169 Resp: 97686
Ion Ratio Lower Upper
169 100
168 17.0 53.3 79.9#
167 7.5 29.0 43.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.345 min Scan# 3121
Delta R.T. -0.000 min
Lab File: BP008794.D
Acq: 13 Jan 2022 17:24

Tgt Ion:240 Resp: 1310344
Ion Ratio Lower Upper
240 100
120 9.1 7.7 11.5
236 26.1 21.2 31.8

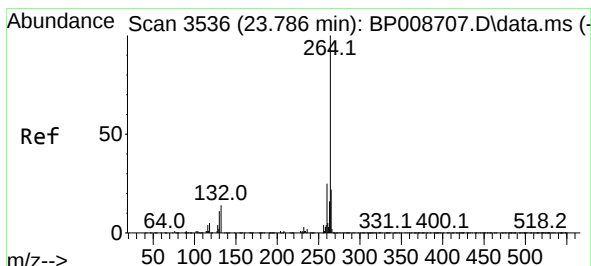
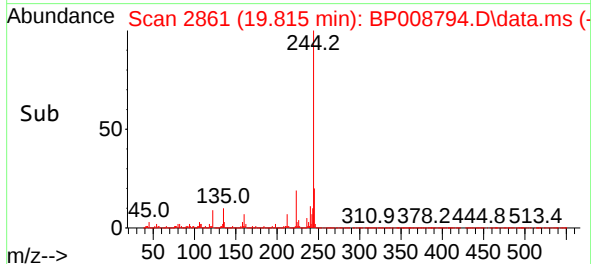
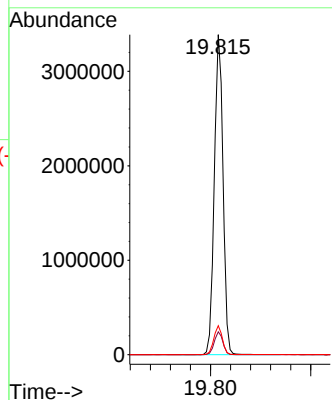
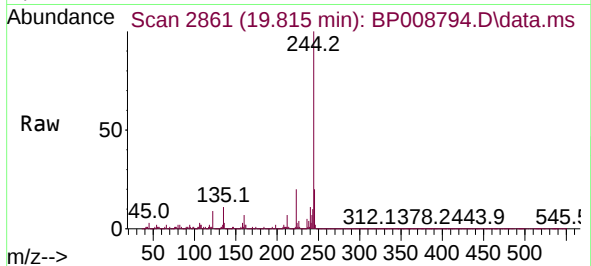




#79
 Terphenyl-d14
 Concen: 63.380 ng
 RT: 19.815 min Scan# 2861
 Delta R.T. -0.000 min
 Lab File: BP008794.D
 Acq: 13 Jan 2022 17:24

Instrument : BNA_P
 ClientSampleId : NORTH-EAST-CORNER-EXCAVATION-WEST-SIDEWALL

Tgt Ion:244 Resp: 4075340
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.5 9.7
 122 9.1 9.2 13.8#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.774 min Scan# 3534
 Delta R.T. 0.005 min
 Lab File: BP008794.D
 Acq: 13 Jan 2022 17:24

Tgt Ion:264 Resp: 1471038
 Ion Ratio Lower Upper
 264 100
 260 25.0 19.1 28.7
 265 22.0 17.1 25.7

