

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122321\
 Data File : BN018187.D
 Acq On : 23 Dec 2021 18:25
 Operator : CG/JU
 Sample : M5179-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 POST-EXCAVATION-BOTTOM-1

Quant Time: Dec 24 23:32:28 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN122321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 23 14:22:48 2021
 Response via : Initial Calibration

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

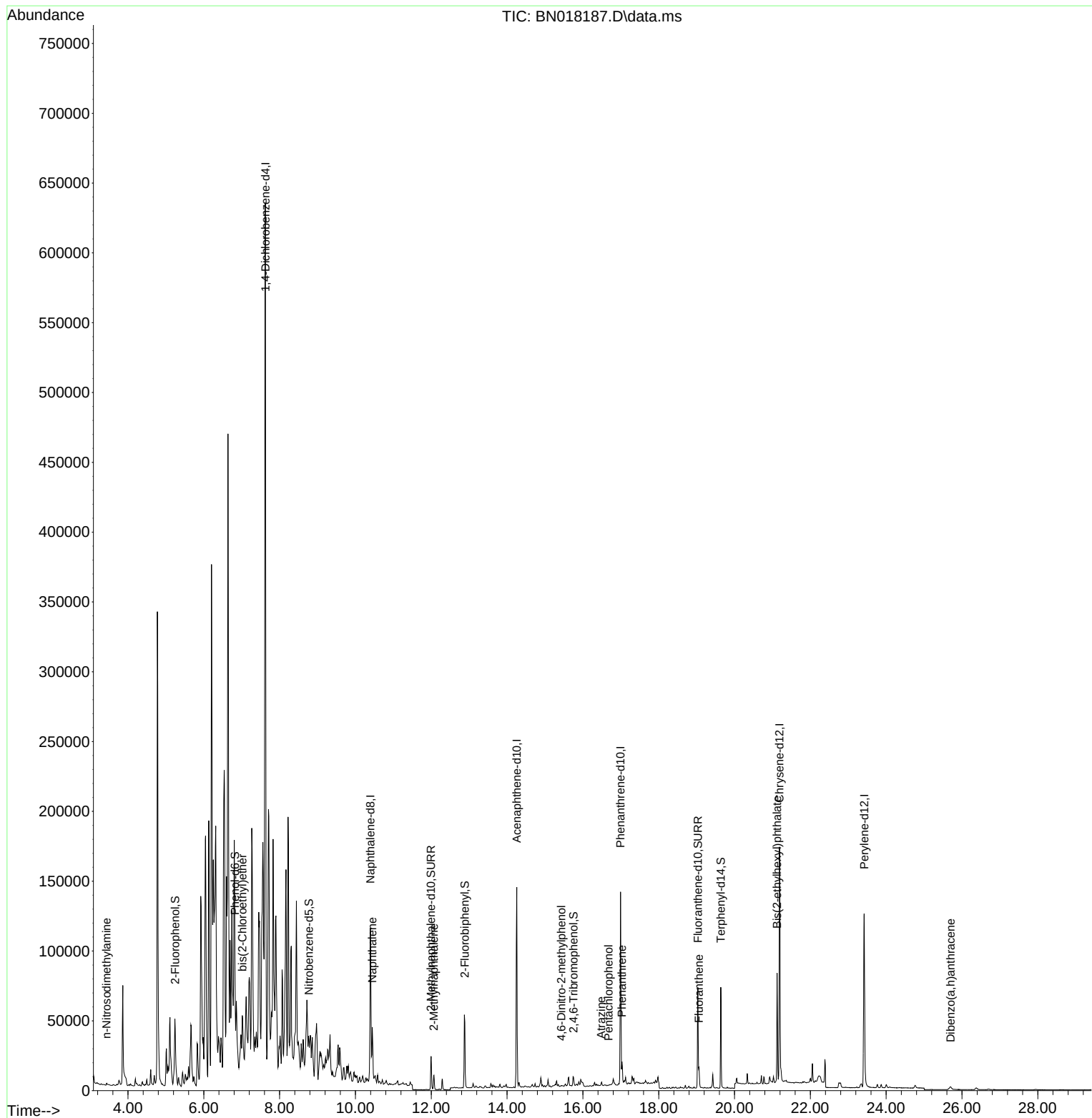
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.624	152	26302	0.400	ng	0.00
7) Naphthalene-d8	10.394	136	133346	0.400	ng	# 0.00
13) Acenaphthene-d10	14.256	164	87364	0.400	ng	0.00
19) Phenanthrene-d10	16.993	188	182949	0.400	ng	0.00
29) Chrysene-d12	21.185	240	184708	0.400	ng	#-0.01
35) Perylene-d12	23.419	264	173808	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.245	112	11292	0.197	ng	0.02
5) Phenol-d6	6.821	99	14991	0.244	ng	0.00
8) Nitrobenzene-d5	8.771	82	23764	0.265	ng	0.00
11) 2-Methylnaphthalene-d10	11.994	152	33895	0.148	ng	0.00
14) 2,4,6-Tribromophenol	15.753	330	6435	0.293	ng	0.00
15) 2-Fluorobiphenyl	12.885	172	52575	0.161	ng	0.00
27) Fluoranthene-d10	19.033	212	87146	0.150	ng	0.00
31) Terphenyl-d14	19.638	244	75664	0.186	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.437	42	716	0.031	ng	# 1
6) bis(2-Chloroethyl)ether	7.015	93	2580	0.039	ng	# 1
9) Naphthalene	10.444	128	48954	0.149	ng	98
12) 2-Methylnaphthalene	12.069	142	7738	0.036	ng	98
20) 4,6-Dinitro-2-methylph...	15.436	198	30	0.160	ng	# 1
23) Atrazine	16.482	200	121	0.103	ng	# 1
24) Pentachlorophenol	16.676	266	120	0.295	ng	# 82
25) Phenanthrene	17.029	178	17374	0.036	ng	# 94
28) Fluoranthene	19.063	202	12500	0.022	ng	# 97
34) Bis(2-ethylhexyl)phtha...	21.121	149	76439	0.520	ng	99
40) Dibenzo(a,h)anthracene	25.702	278	2252	0.035	ng	# 48

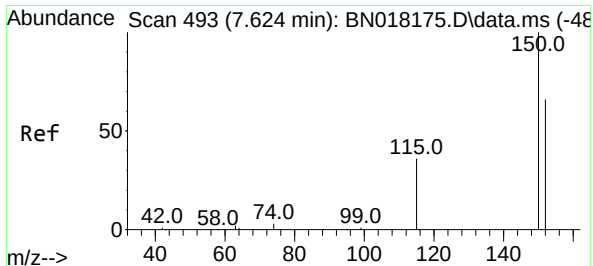
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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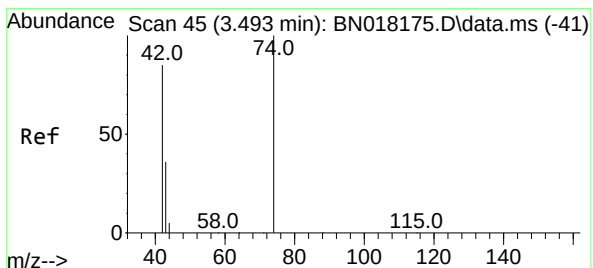
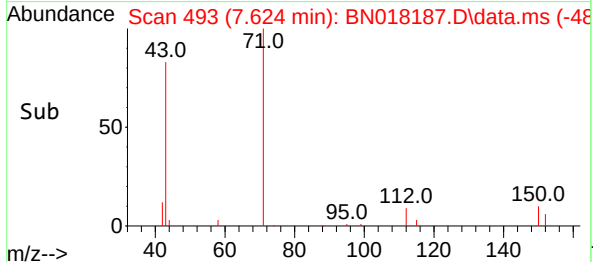
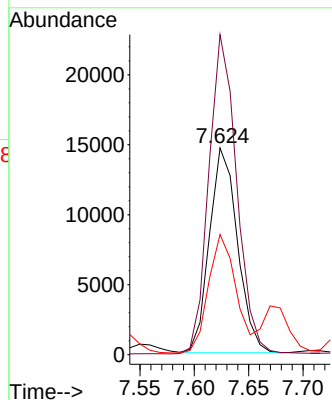
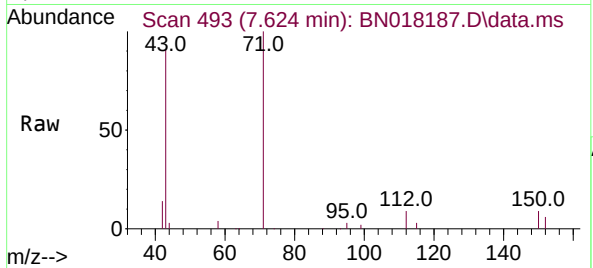




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.624 min Scan# 49
Delta R.T. -0.000 min
Lab File: BN018187.D
Acq: 23 Dec 2021 18:25

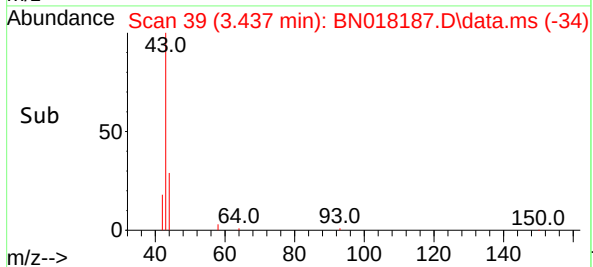
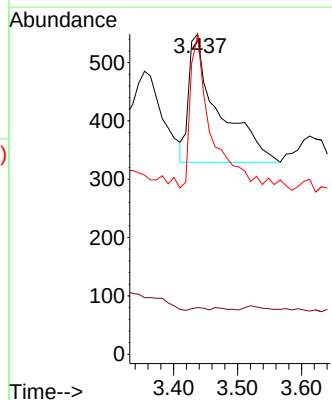
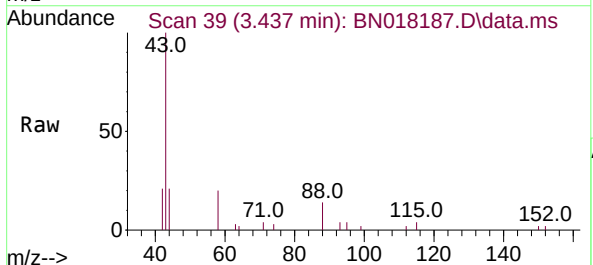
Instrument :
BNA_N
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POST-EXCAVATION-BOTTOM-1

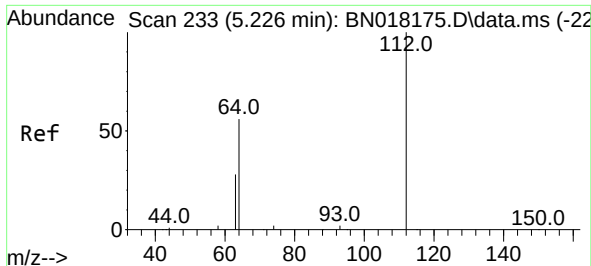
Tgt Ion:152 Resp: 26302
Ion Ratio Lower Upper
152 100
150 154.8 121.7 182.5
115 58.1 43.8 65.8



#3
n-Nitrosodimethylamine
Concen: 0.031 ng
RT: 3.437 min Scan# 39
Delta R.T. -0.056 min
Lab File: BN018187.D
Acq: 23 Dec 2021 18:25

Tgt Ion: 42 Resp: 716
Ion Ratio Lower Upper
42 100
74 1.0 108.6 163.0#
44 82.7 5.8 8.8#

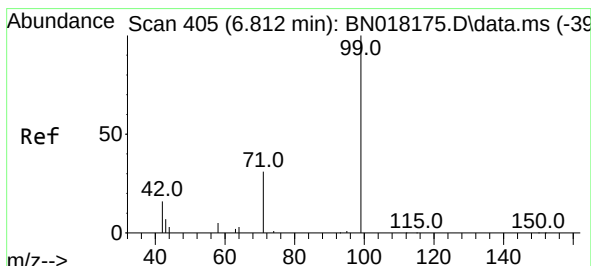
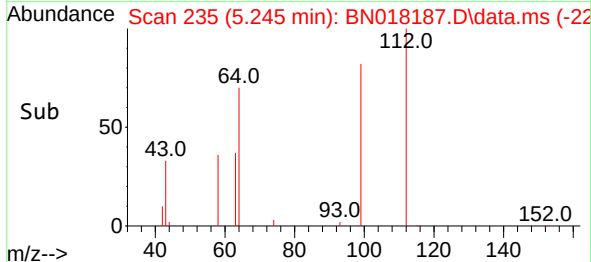
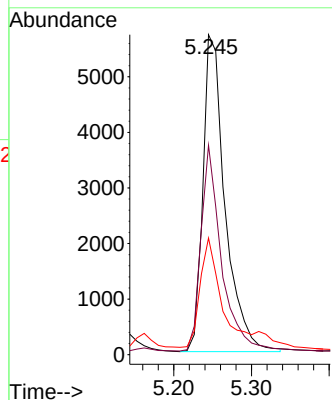
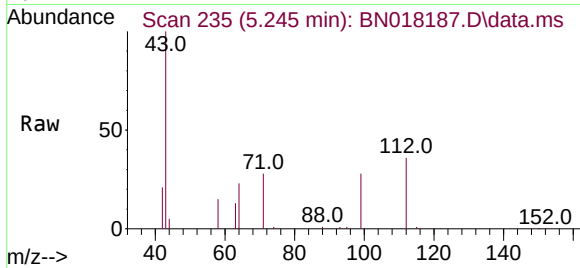




#4
2-Fluorophenol
Concen: 0.197 ng
RT: 5.245 min Scan# 21
Delta R.T. 0.019 min
Lab File: BN018187.D
Acq: 23 Dec 2021 18:25

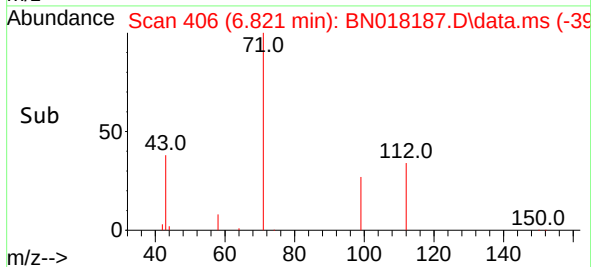
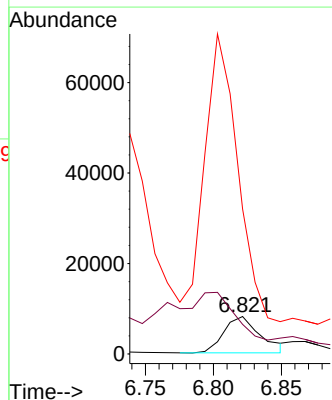
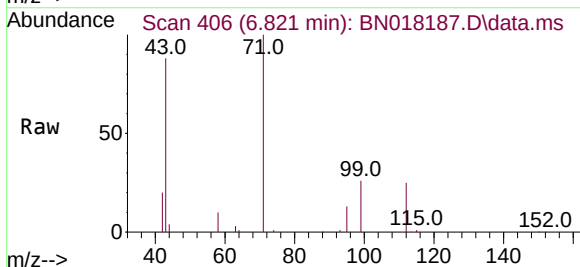
Instrument :
BNA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-1

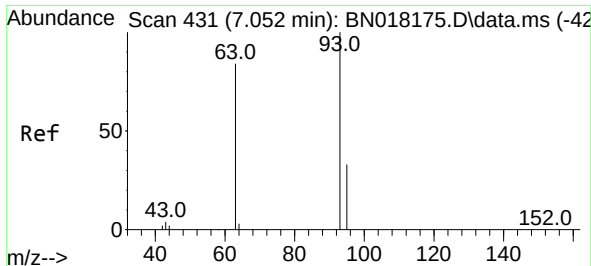
Tgt Ion:112 Resp: 11292
Ion Ratio Lower Upper
112 100
64 60.1 48.0 72.0
63 36.7 25.3 37.9



#5
Phenol-d6
Concen: 0.244 ng
RT: 6.821 min Scan# 406
Delta R.T. 0.009 min
Lab File: BN018187.D
Acq: 23 Dec 2021 18:25

Tgt Ion: 99 Resp: 14991
Ion Ratio Lower Upper
99 100
42 222.7 16.3 24.5#
71 740.0 26.8 40.2#

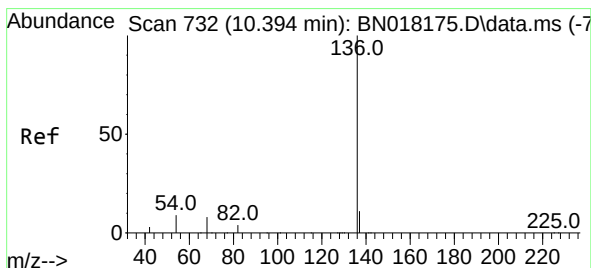
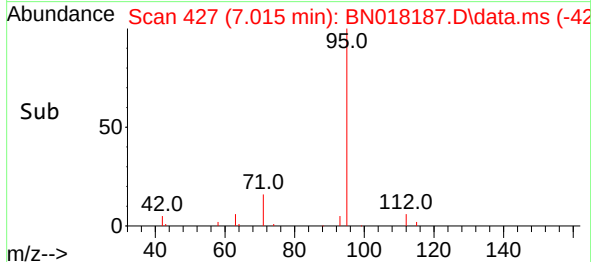
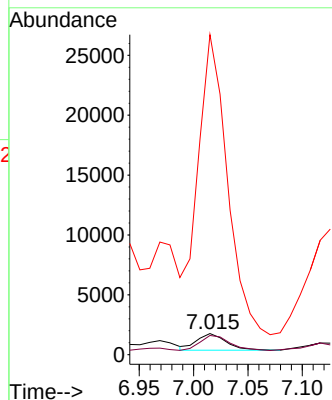
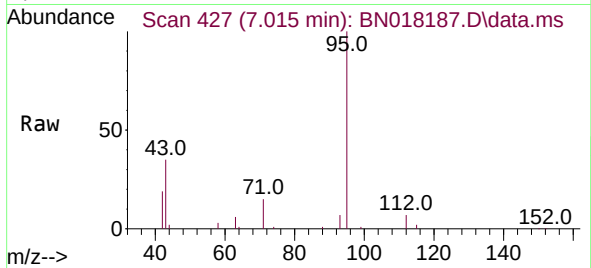




#6
bis(2-Chloroethyl)ether
Concen: 0.039 ng
RT: 7.015 min Scan# 431
Delta R.T. -0.037 min
Lab File: BN018187.D
Acq: 23 Dec 2021 18:25

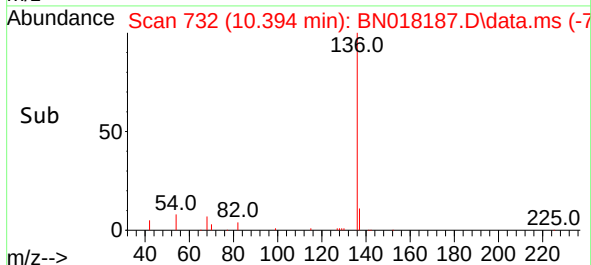
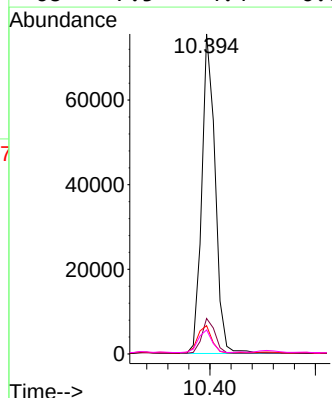
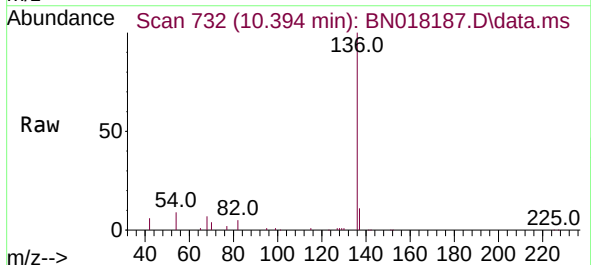
Instrument :
BNA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-1

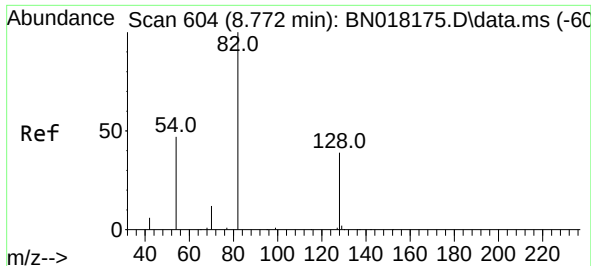
Tgt Ion: 93 Resp: 2580
Ion Ratio Lower Upper
93 100
63 93.7 61.7 92.5#
95 1822.2 26.2 39.4#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.394 min Scan# 732
Delta R.T. -0.000 min
Lab File: BN018187.D
Acq: 23 Dec 2021 18:25

Tgt Ion: 136 Resp: 133346
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.8 5.0 7.6#
68 7.5 4.4 6.6#

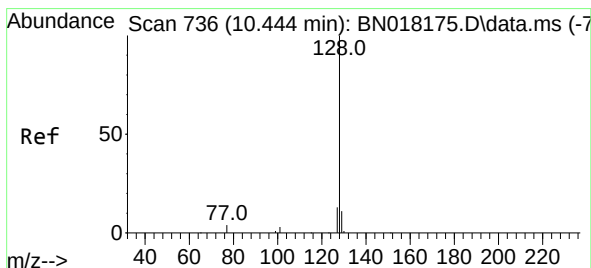
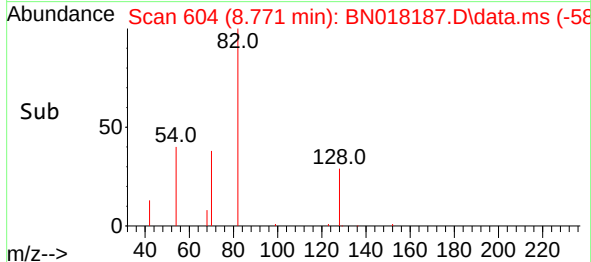
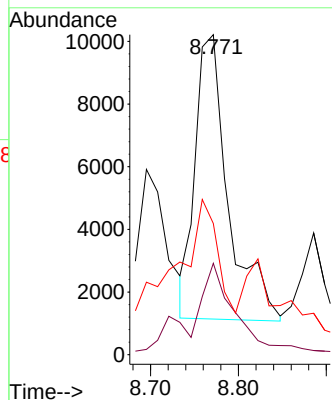
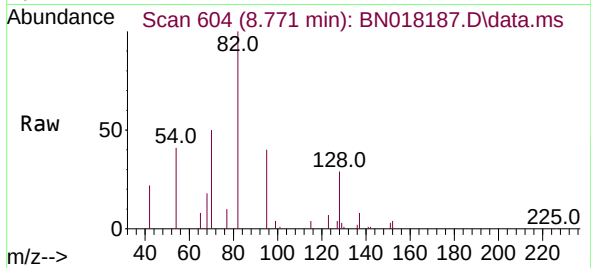




#8
Nitrobenzene-d5
Concen: 0.265 ng
RT: 8.771 min Scan# 604
Delta R.T. -0.001 min
Lab File: BN018187.D
Acq: 23 Dec 2021 18:25

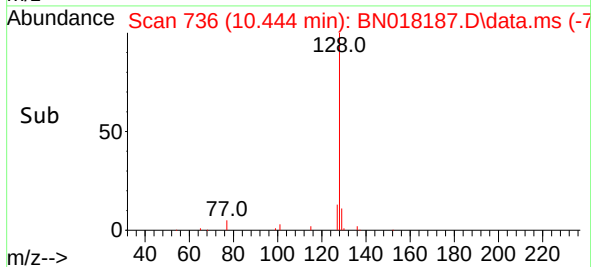
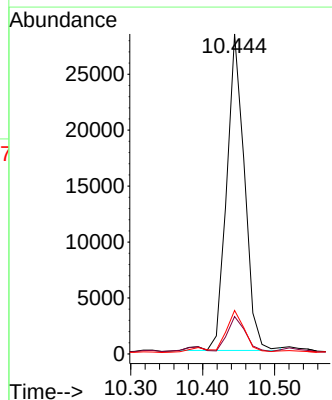
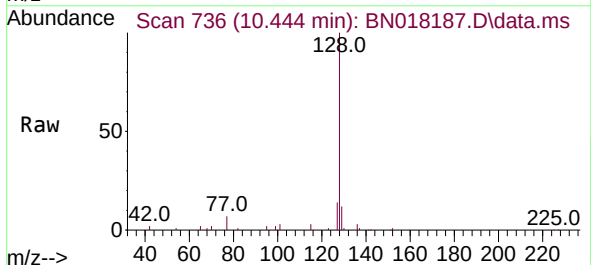
Instrument : BNA_N
ClientSampleId : POST-EXCAVATION-BOTTOM-1

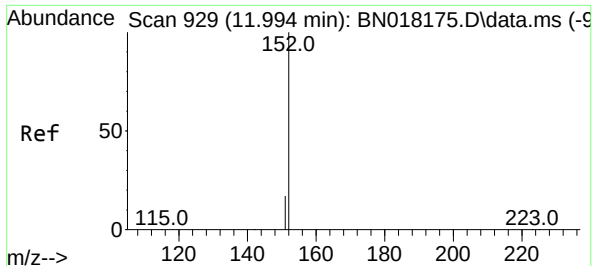
Tgt Ion: 82 Resp: 23764
Ion Ratio Lower Upper
82 100
128 28.6 33.7 50.5#
54 41.0 36.6 55.0



#9
Naphthalene
Concen: 0.149 ng
RT: 10.444 min Scan# 736
Delta R.T. 0.000 min
Lab File: BN018187.D
Acq: 23 Dec 2021 18:25

Tgt Ion: 128 Resp: 48954
Ion Ratio Lower Upper
128 100
129 11.7 8.7 13.1
127 13.6 10.4 15.6

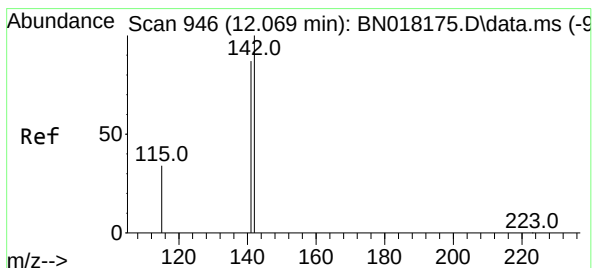
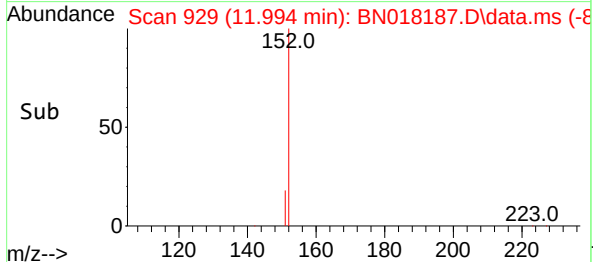
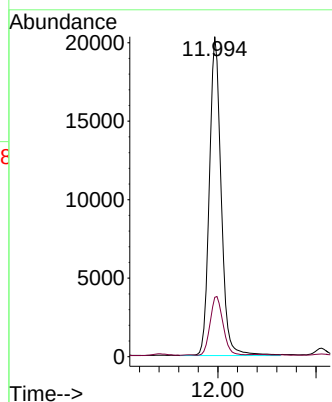
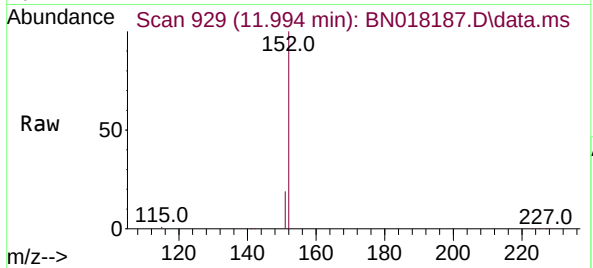




#11
2-Methylnaphthalene-d10
Concen: 0.148 ng
RT: 11.994 min Scan# 911
Delta R.T. -0.000 min
Lab File: BN018187.D
Acq: 23 Dec 2021 18:25

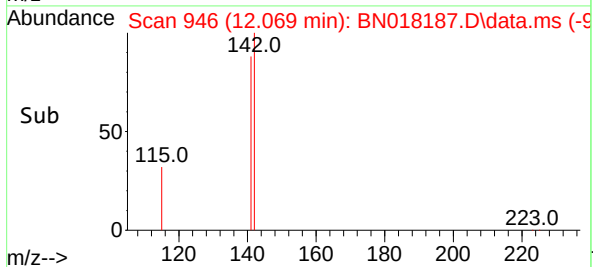
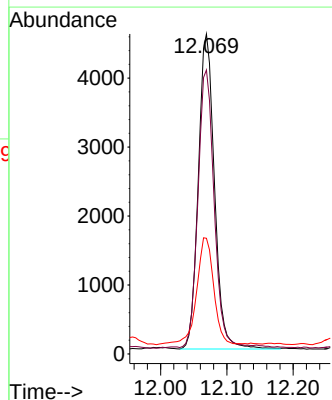
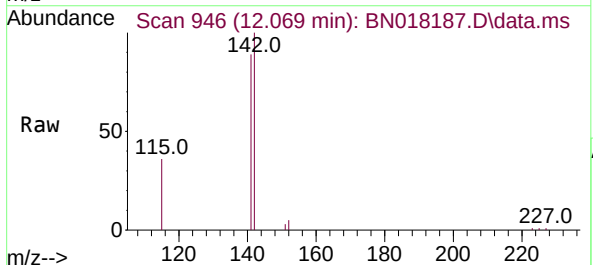
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POST-EXCAVATION-BOTTOM-1

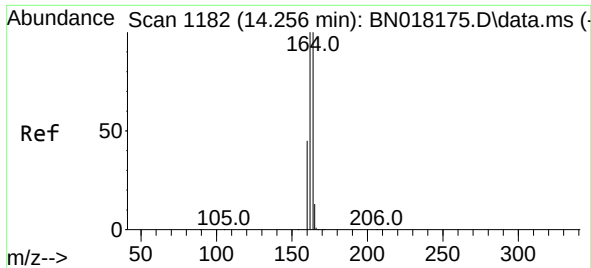
Tgt Ion:152 Resp: 33895
Ion Ratio Lower Upper
152 100
151 20.2 16.2 24.2



#12
2-Methylnaphthalene
Concen: 0.036 ng
RT: 12.069 min Scan# 946
Delta R.T. 0.000 min
Lab File: BN018187.D
Acq: 23 Dec 2021 18:25

Tgt Ion:142 Resp: 7738
Ion Ratio Lower Upper
142 100
141 88.8 70.0 105.0
115 36.2 27.8 41.8

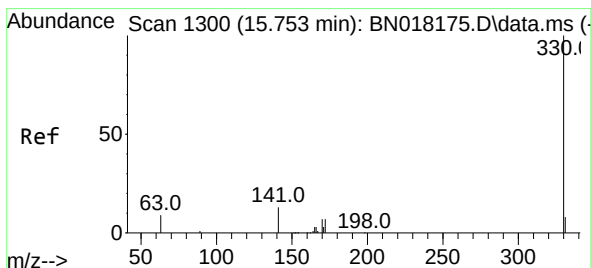
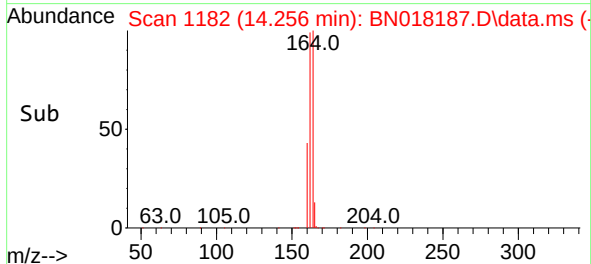
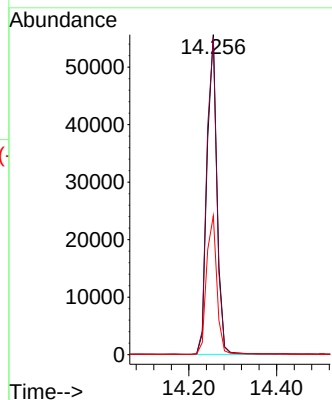
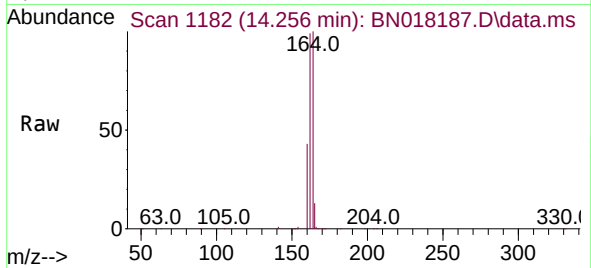




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.256 min Scan# 1182
Delta R.T. -0.000 min
Lab File: BN018187.D
Acq: 23 Dec 2021 18:25

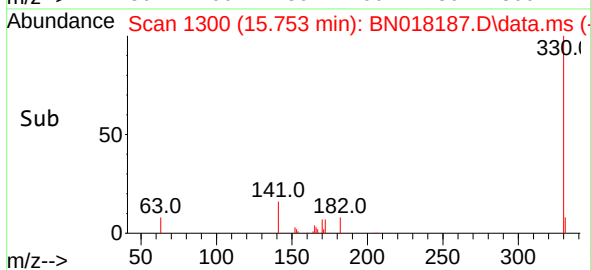
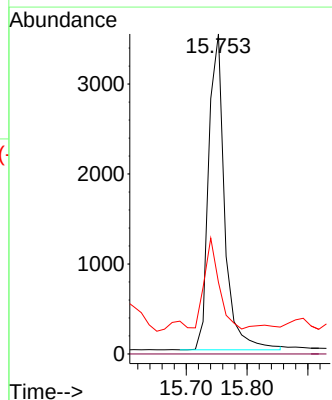
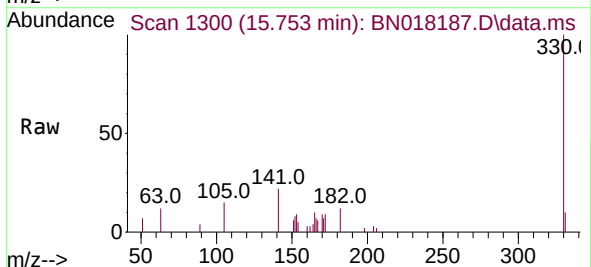
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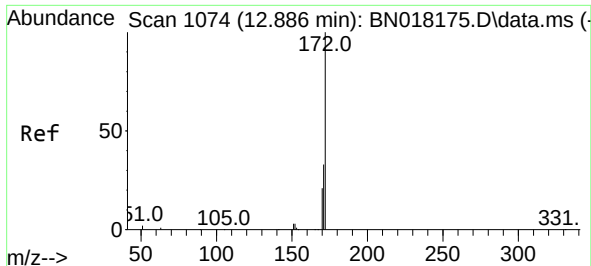
Tgt Ion:164 Resp: 87364
Ion Ratio Lower Upper
164 100
162 99.1 80.2 120.2
160 43.4 36.9 55.3



#14
2,4,6-Tribromophenol
Concen: 0.293 ng
RT: 15.753 min Scan# 1300
Delta R.T. -0.000 min
Lab File: BN018187.D
Acq: 23 Dec 2021 18:25

Tgt Ion:330 Resp: 6435
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 26.2 21.3 31.9

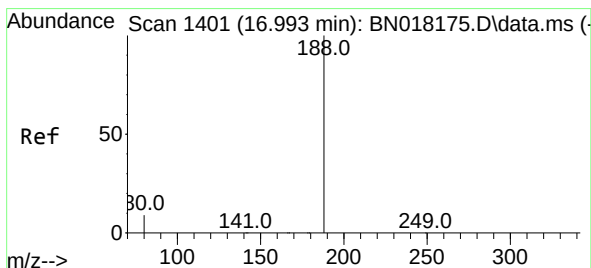
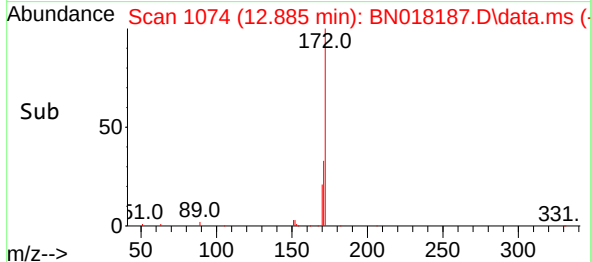
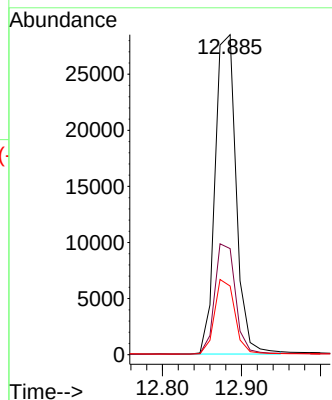
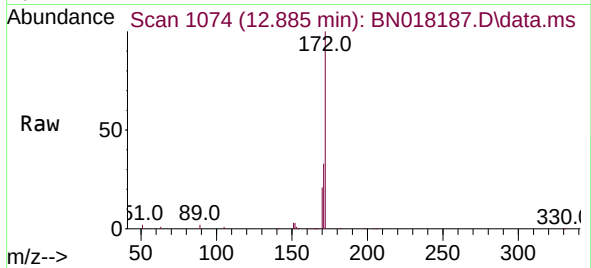




#15
2-Fluorobiphenyl
Concen: 0.161 ng
RT: 12.885 min Scan# 1074
Delta R.T. -0.001 min
Lab File: BN018187.D
Acq: 23 Dec 2021 18:25

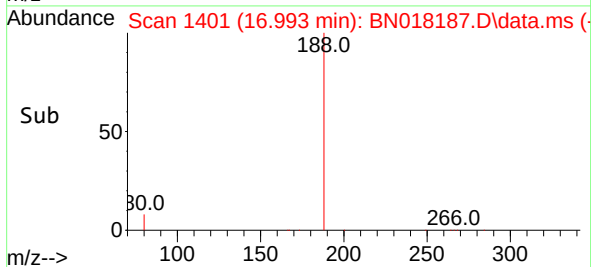
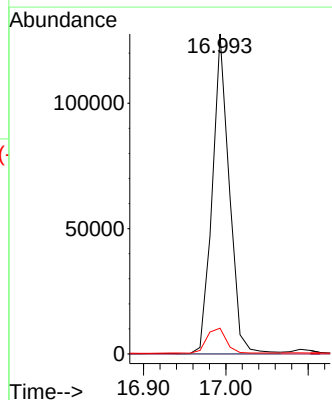
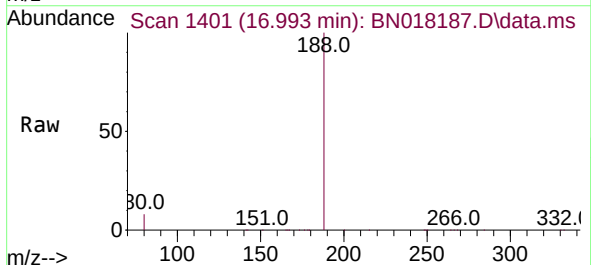
Instrument :
BNA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-1

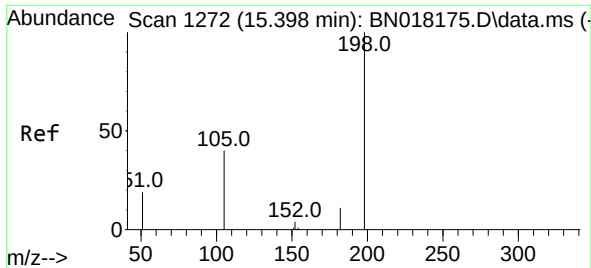
Tgt Ion:172 Resp: 52575
Ion Ratio Lower Upper
172 100
171 33.1 27.4 41.0
170 21.5 18.4 27.6



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.993 min Scan# 1401
Delta R.T. -0.000 min
Lab File: BN018187.D
Acq: 23 Dec 2021 18:25

Tgt Ion:188 Resp: 182949
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.1 7.0 10.4

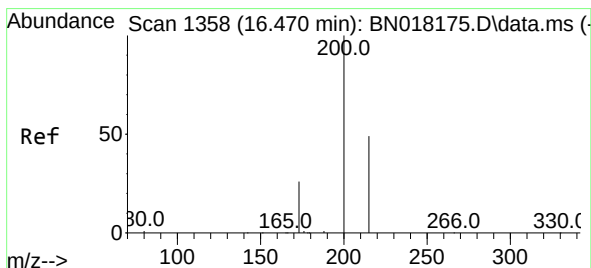
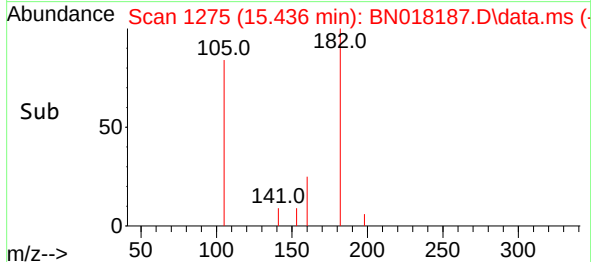
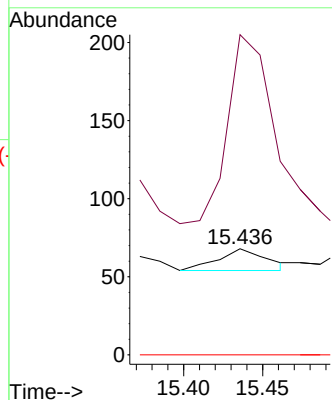
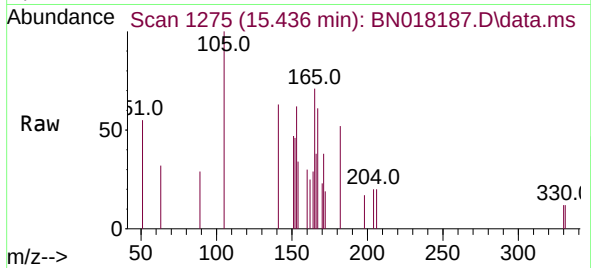




#20
4,6-Dinitro-2-methylphenol
Concen: 0.160 ng
RT: 15.436 min Scan# 11
Delta R.T. 0.038 min
Lab File: BN018187.D
Acq: 23 Dec 2021 18:25

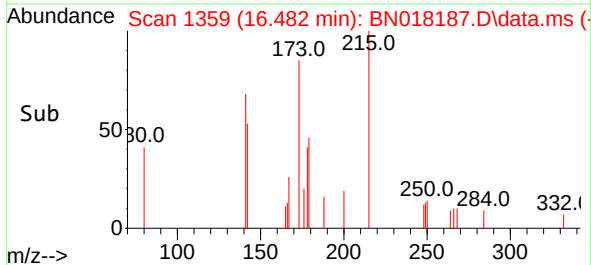
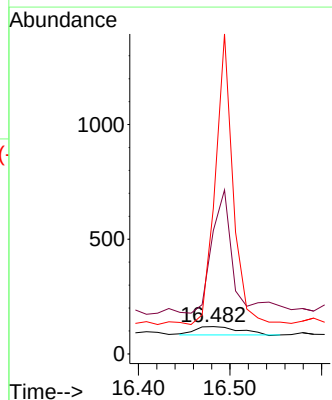
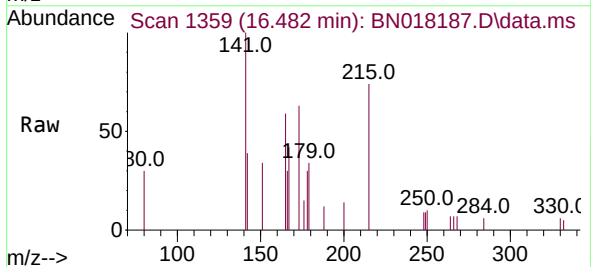
Instrument :
BNA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-1

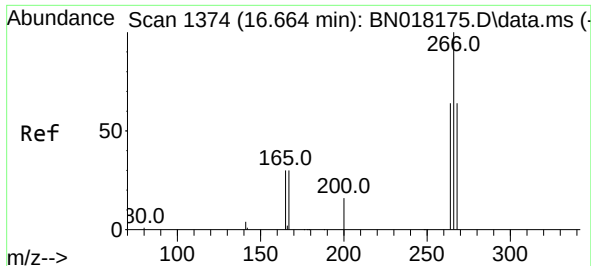
Tgt Ion:198 Resp: 30
Ion Ratio Lower Upper
198 100
182 301.5 15.5 23.3#
77 0.0 0.0 0.0



#23
Atrazine
Concen: 0.103 ng
RT: 16.482 min Scan# 1359
Delta R.T. 0.012 min
Lab File: BN018187.D
Acq: 23 Dec 2021 18:25

Tgt Ion:200 Resp: 121
Ion Ratio Lower Upper
200 100
173 452.1 20.3 30.5#
215 533.6 40.4 60.6#

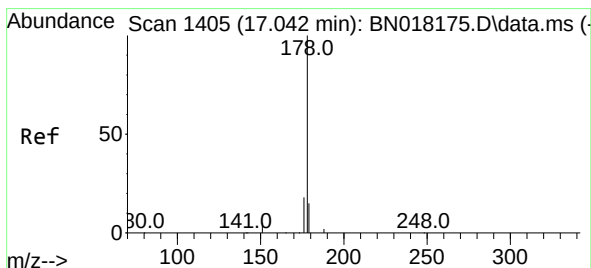
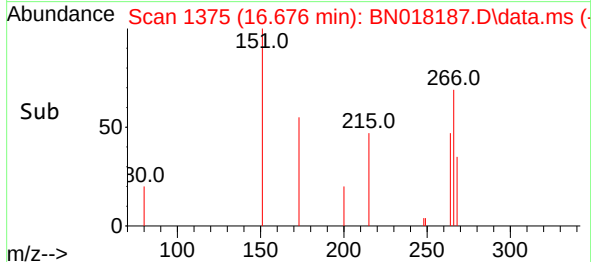
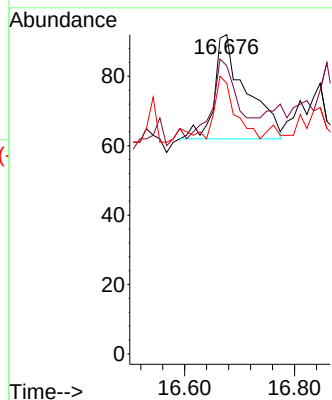
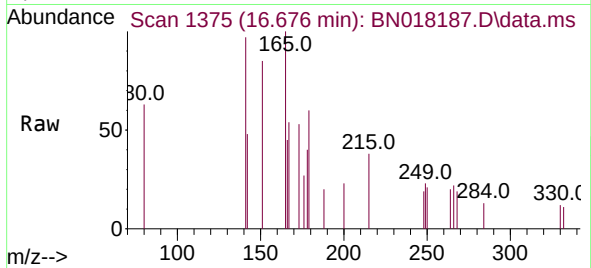




#24
 Pentachlorophenol
 Concen: 0.295 ng
 RT: 16.676 min Scan# 11
 Delta R.T. 0.012 min
 Lab File: BN018187.D
 Acq: 23 Dec 2021 18:25

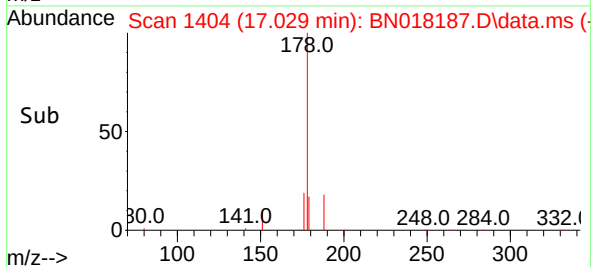
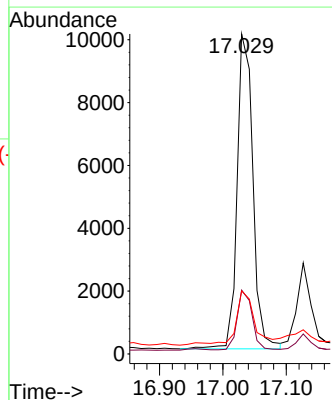
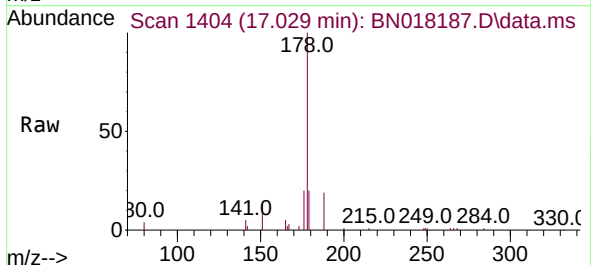
Instrument :
 BNA_N
 ClientSampleId :
 POST-EXCAVATION-BOTTOM-1

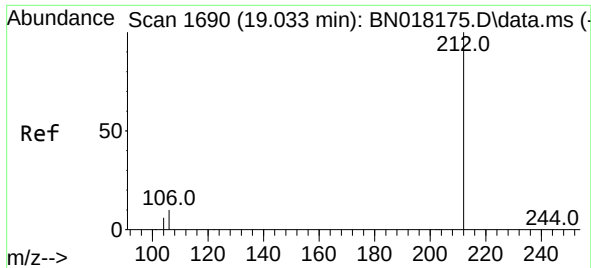
Tgt Ion:266 Resp: 120
 Ion Ratio Lower Upper
 266 100
 264 60.0 49.5 74.3
 268 37.5 50.6 76.0#



#25
 Phenanthrene
 Concen: 0.036 ng
 RT: 17.029 min Scan# 1404
 Delta R.T. -0.013 min
 Lab File: BN018187.D
 Acq: 23 Dec 2021 18:25

Tgt Ion:178 Resp: 17374
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.3 22.9
 179 20.3 12.3 18.5#

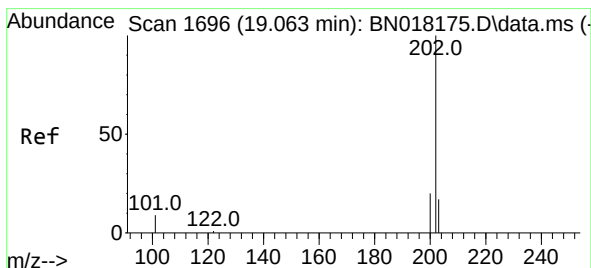
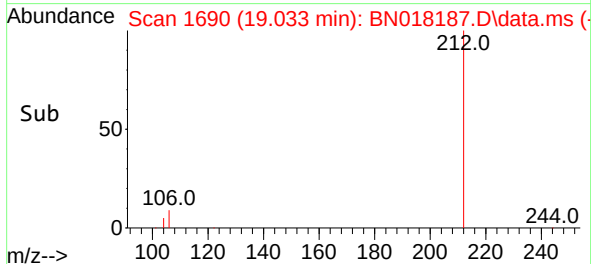
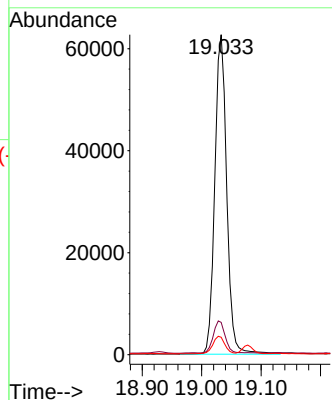
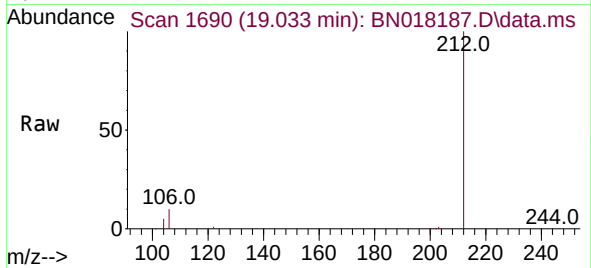




#27
Fluoranthene-d10
Concen: 0.150 ng
RT: 19.033 min Scan# 1690
Delta R.T. -0.000 min
Lab File: BN018187.D
Acq: 23 Dec 2021 18:25

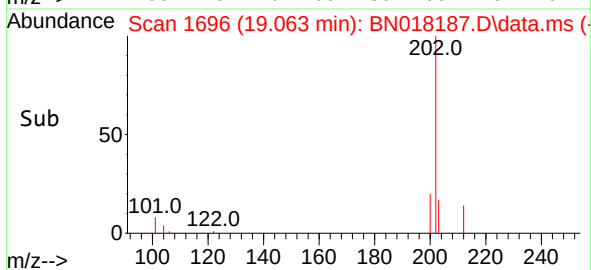
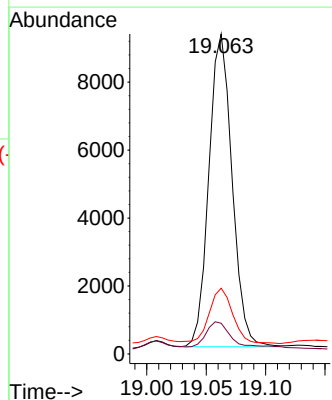
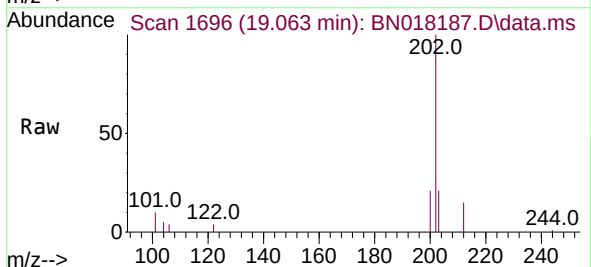
Instrument :
BNA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-1

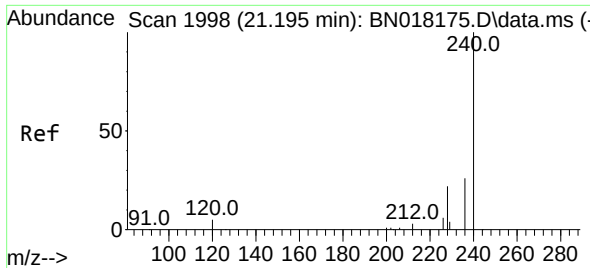
Tgt Ion:212 Resp: 87146
Ion Ratio Lower Upper
212 100
106 10.0 8.4 12.6
104 5.6 4.5 6.7



#28
Fluoranthene
Concen: 0.022 ng
RT: 19.063 min Scan# 1696
Delta R.T. -0.000 min
Lab File: BN018187.D
Acq: 23 Dec 2021 18:25

Tgt Ion:202 Resp: 12500
Ion Ratio Lower Upper
202 100
101 10.9 7.2 10.8
203 18.1 13.7 20.5

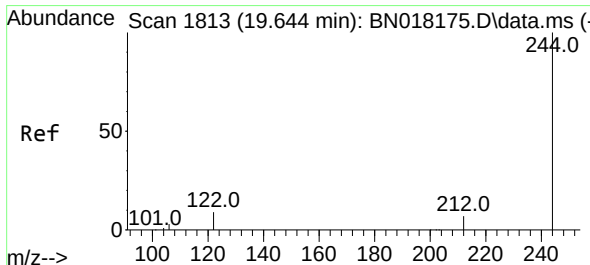
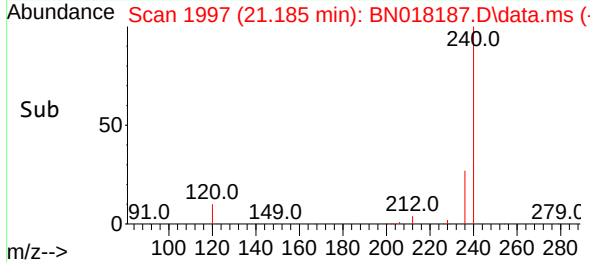
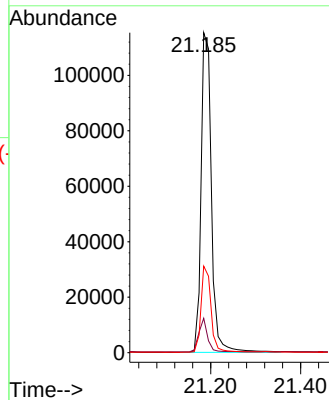
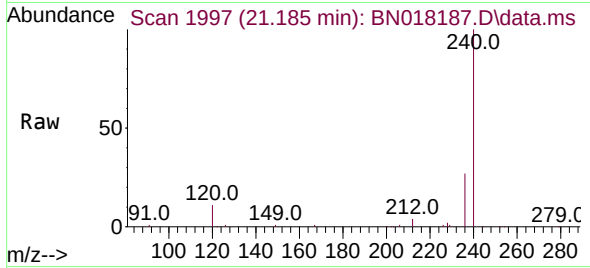




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.185 min Scan# 1997
Delta R.T. -0.010 min
Lab File: BN018187.D
Acq: 23 Dec 2021 18:25

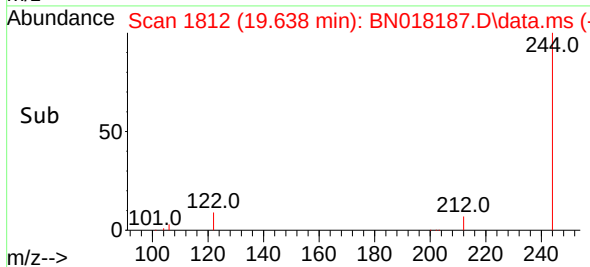
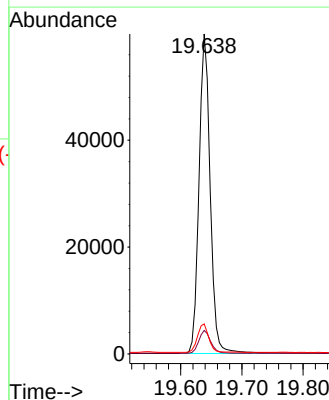
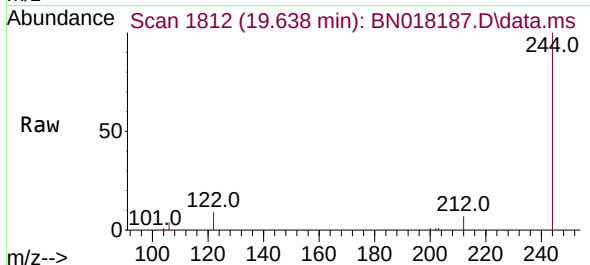
Instrument :
BNA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-1

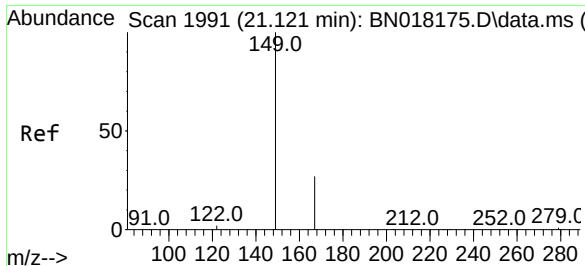
Tgt Ion:240 Resp: 184708
Ion Ratio Lower Upper
240 100
120 10.7 6.0 9.0#
236 27.0 21.4 32.2



#31
Terphenyl-d14
Concen: 0.186 ng
RT: 19.638 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BN018187.D
Acq: 23 Dec 2021 18:25

Tgt Ion:244 Resp: 75664
Ion Ratio Lower Upper
244 100
212 7.4 6.2 9.2
122 9.4 7.9 11.9

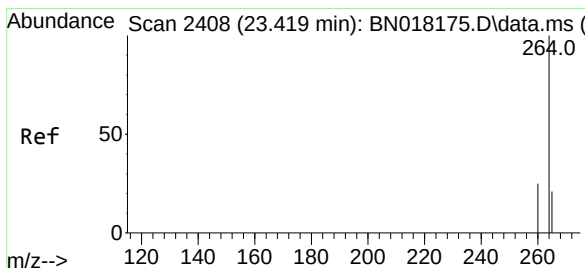
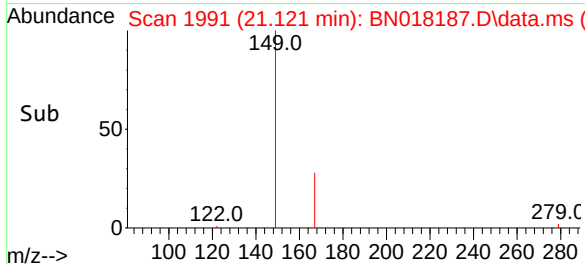
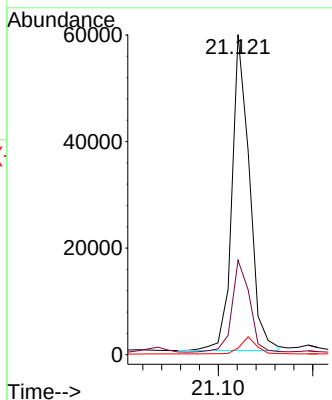
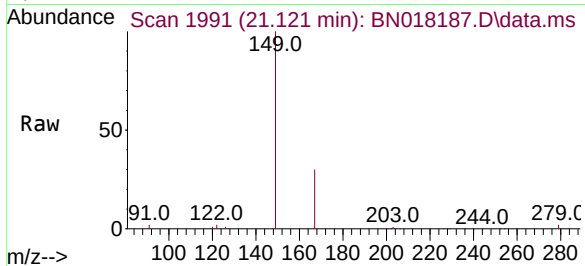




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.520 ng
 RT: 21.121 min Scan# 1991
 Delta R.T. -0.000 min
 Lab File: BN018187.D
 Acq: 23 Dec 2021 18:25

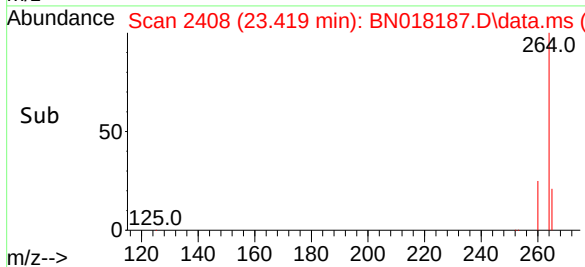
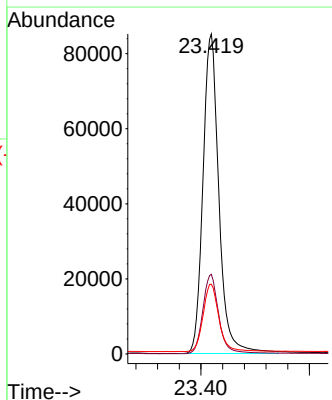
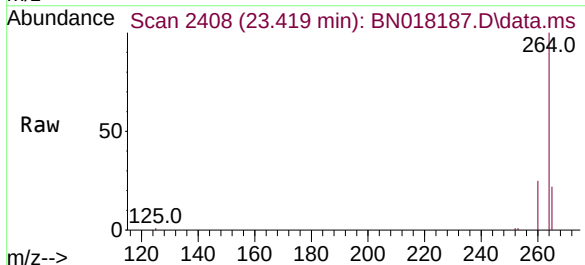
Instrument :
 BNA_N
 ClientSampleId :
 POST-EXCAVATION-BOTTOM-1

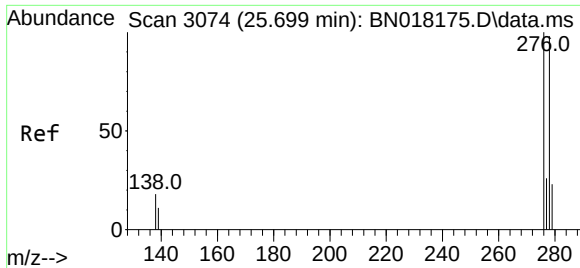
Tgt Ion:149 Resp: 76439
 Ion Ratio Lower Upper
 149 100
 167 29.1 23.7 35.5
 279 5.0 3.6 5.4



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.419 min Scan# 2408
 Delta R.T. 0.000 min
 Lab File: BN018187.D
 Acq: 23 Dec 2021 18:25

Tgt Ion:264 Resp: 173808
 Ion Ratio Lower Upper
 264 100
 260 24.9 20.2 30.4
 265 21.8 18.2 27.2





#40

Dibenzo(a,h)anthracene

Concen: 0.035 ng

RT: 25.702 min Scan# 30

Delta R.T. 0.003 min

Lab File: BN018187.D

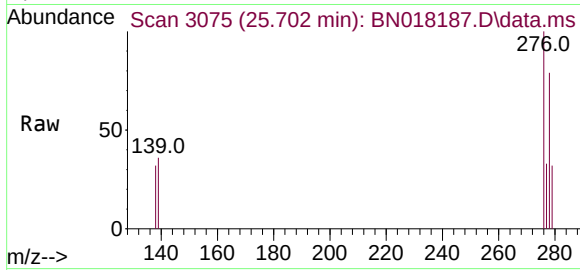
Acq: 23 Dec 2021 18:25

Instrument :

BNA_N

ClientSampleId :

POST-EXCAVATION-BOTTOM-1



Tgt Ion:278 Resp: 2252

Ion Ratio Lower Upper

278 100

139 45.9 10.8 16.2#

279 41.1 19.0 28.4#

