

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122321\
 Data File : BN018184.D
 Acq On : 23 Dec 2021 16:37
 Operator : CG/JU
 Sample : M5179-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Dec 24 23:32:01 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)

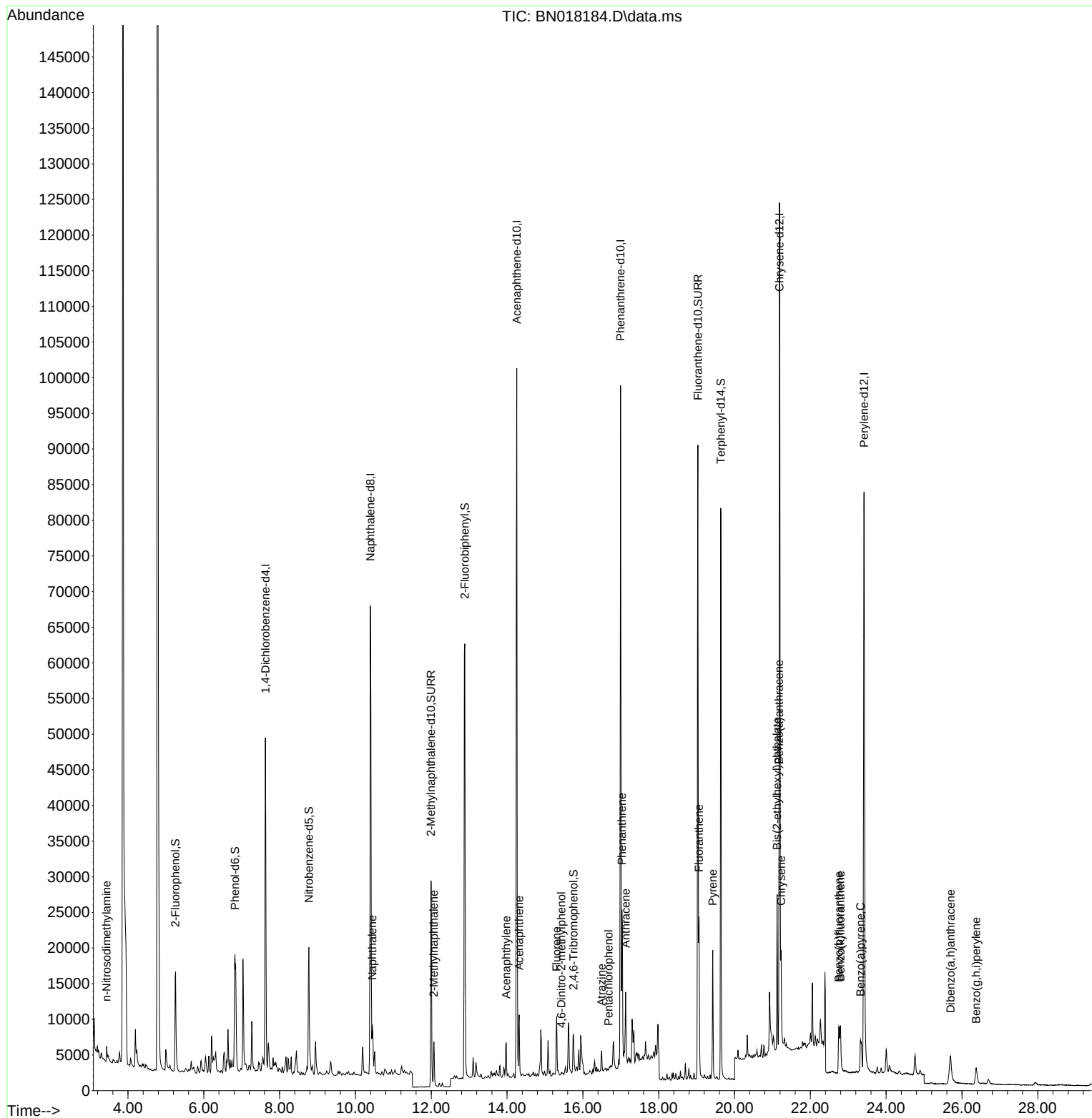
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.624	152	21324	0.400	ng	0.00
7) Naphthalene-d8	10.394	136	93375	0.400	ng	# 0.00
13) Acenaphthene-d10	14.256	164	59615	0.400	ng	0.00
19) Phenanthrene-d10	16.993	188	125726	0.400	ng	0.00
29) Chrysene-d12	21.185	240	123997	0.400	ng	#-0.01
35) Perylene-d12	23.416	264	115519	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.254	112	13251	0.285	ng	0.03
5) Phenol-d6	6.822	99	14659	0.294	ng	0.00
8) Nitrobenzene-d5	8.772	82	18061	0.287	ng	0.00
11) 2-Methylnaphthalene-d10	11.994	152	41642	0.260	ng	0.00
14) 2,4,6-Tribromophenol	15.753	330	5552	0.323	ng	0.00
15) 2-Fluorobiphenyl	12.886	172	63398	0.284	ng	0.00
27) Fluoranthene-d10	19.033	212	106003	0.266	ng	0.00
31) Terphenyl-d14	19.639	244	86574	0.317	ng	0.00
Target Compounds						
						Qvalue
3) n-Nitrosodimethylamine	3.438	42	724	0.039	ng	# 1
9) Naphthalene	10.444	128	7626	0.033	ng	96
12) 2-Methylnaphthalene	12.069	142	4674	0.031	ng	98
16) Acenaphthylene	13.977	152	6493	0.029	ng	97
17) Acenaphthene	14.319	154	4655	0.030	ng	98
18) Fluorene	15.309	166	6206	0.033	ng	98
20) 4,6-Dinitro-2-methylph...	15.436	198	24	0.160	ng	# 1
23) Atrazine	16.494	200	82	0.103	ng	# 1
24) Pentachlorophenol	16.677	266	97	0.295	ng	# 80
25) Phenanthrene	17.030	178	25452	0.076	ng	97
26) Anthracene	17.127	178	9385	0.034	ng	99
28) Fluoranthene	19.063	202	19320	0.050	ng	98
30) Pyrene	19.425	202	16297	0.041	ng	98
32) Benzo(a)anthracene	21.174	228	10938	0.030	ng	97
33) Chrysene	21.227	228	9808	0.025	ng	97
34) Bis(2-ethylhexyl)phtha...	21.121	149	20657	0.367	ng	99
37) Benzo(b)fluoranthene	22.752	252	8874	0.025	ng	# 73
38) Benzo(k)fluoranthene	22.793	252	8239	0.023	ng	# 65
39) Benzo(a)pyrene	23.320	252	7569	0.024	ng	# 64
40) Dibenzo(a,h)anthracene	25.702	278	4660	0.046	ng	# 67
41) Benzo(g,h,i)perylene	26.373	276	6336	0.021	ng	# 86

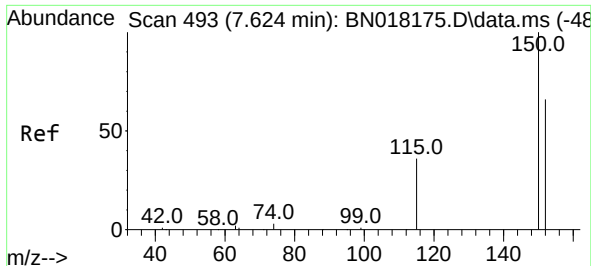
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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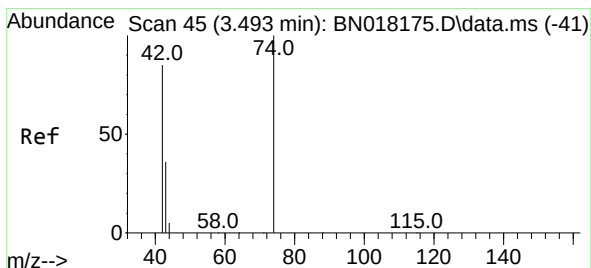
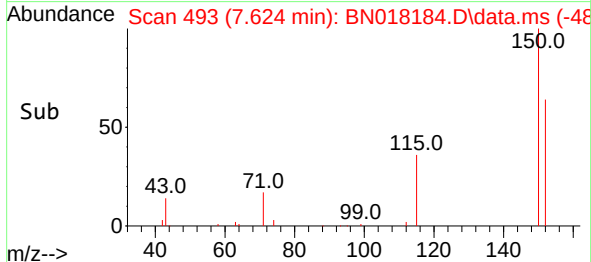
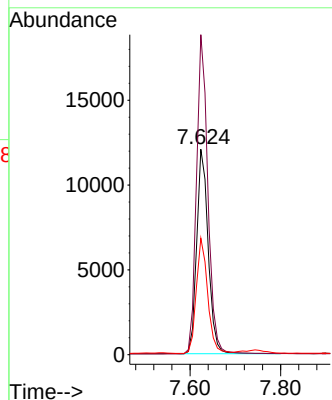
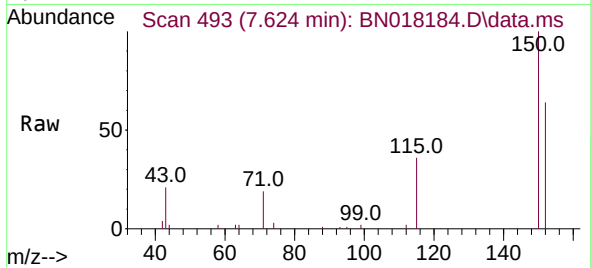




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.624 min Scan# 49
Delta R.T. -0.000 min
Lab File: BN018184.D
Acq: 23 Dec 2021 16:37

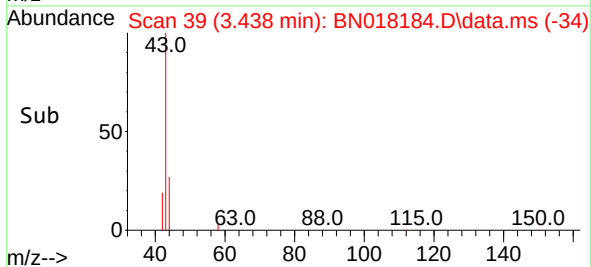
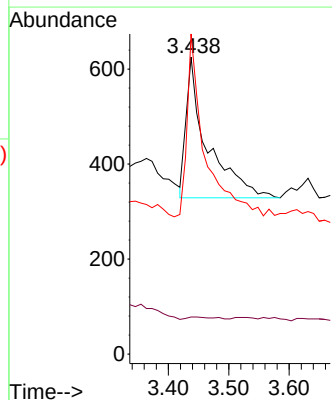
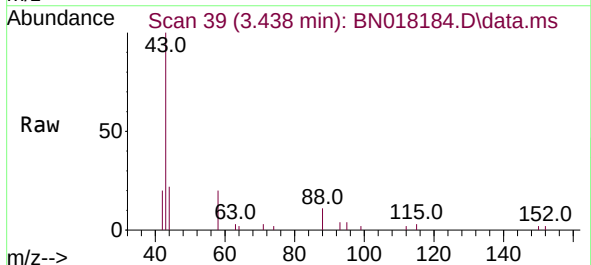
Instrument :
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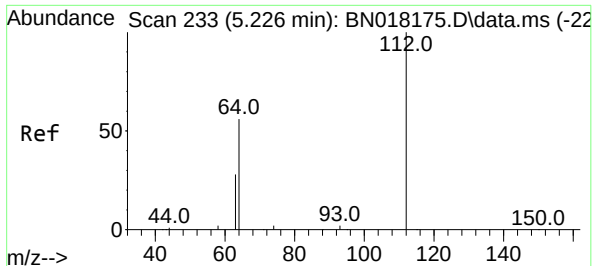
Tgt Ion:152 Resp: 21324
Ion Ratio Lower Upper
152 100
150 155.7 121.7 182.5
115 56.7 43.8 65.8



#3
n-Nitrosodimethylamine
Concen: 0.039 ng
RT: 3.438 min Scan# 39
Delta R.T. -0.055 min
Lab File: BN018184.D
Acq: 23 Dec 2021 16:37

Tgt Ion: 42 Resp: 724
Ion Ratio Lower Upper
42 100
74 2.1 108.6 163.0#
44 109.5 5.8 8.8#

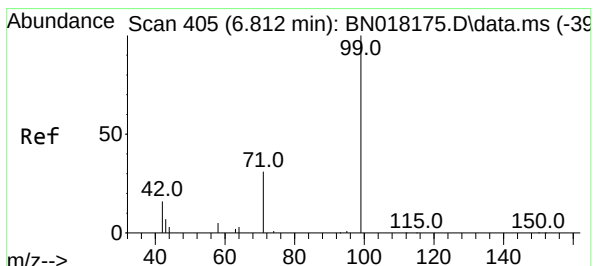
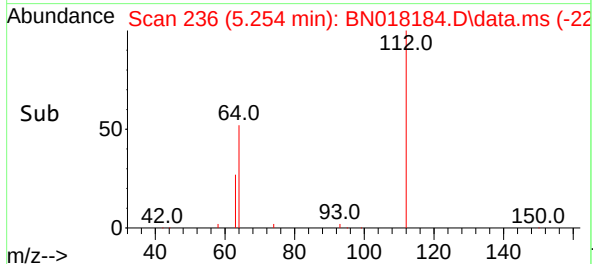
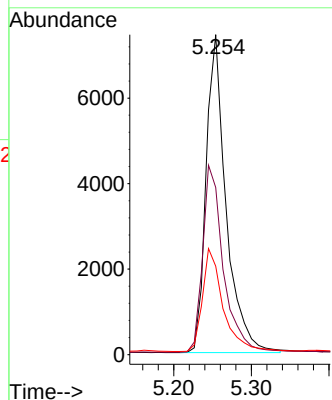
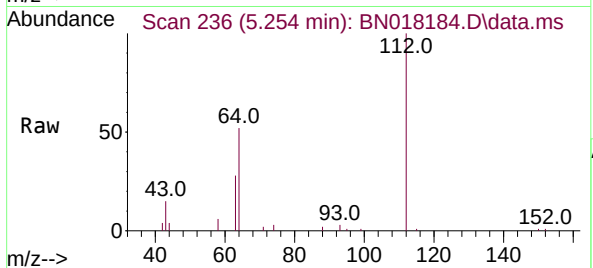




#4
2-Fluorophenol
Concen: 0.285 ng
RT: 5.254 min Scan# 21
Delta R.T. 0.028 min
Lab File: BN018184.D
Acq: 23 Dec 2021 16:37

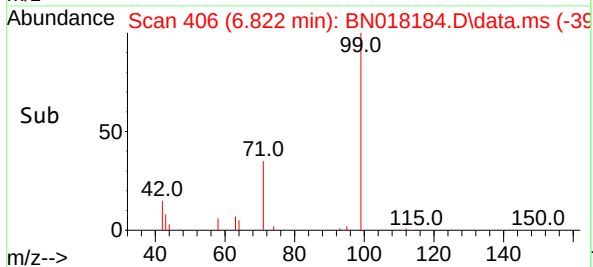
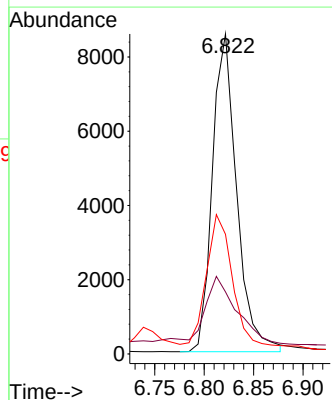
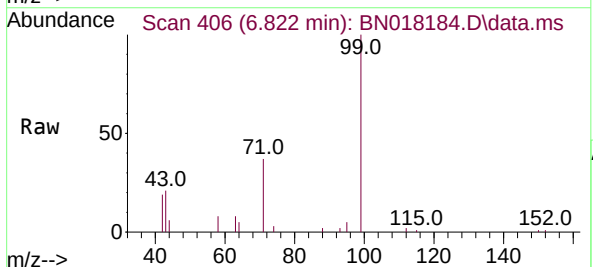
Instrument :
BNA_N
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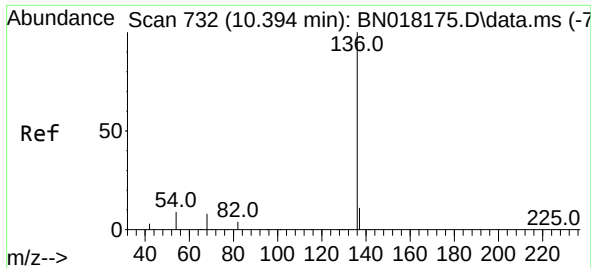
Tgt Ion:112 Resp: 13251
Ion Ratio Lower Upper
112 100
64 60.9 48.0 72.0
63 33.4 25.3 37.9



#5
Phenol-d6
Concen: 0.294 ng
RT: 6.822 min Scan# 406
Delta R.T. 0.010 min
Lab File: BN018184.D
Acq: 23 Dec 2021 16:37

Tgt Ion: 99 Resp: 14659
Ion Ratio Lower Upper
99 100
42 27.9 16.3 24.5#
71 43.1 26.8 40.2#

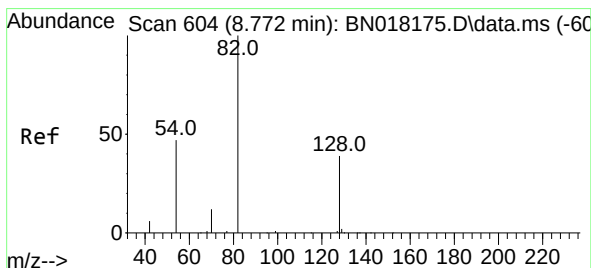
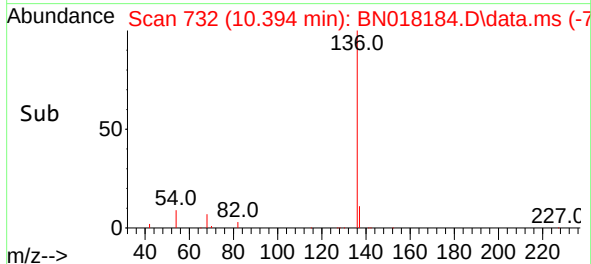
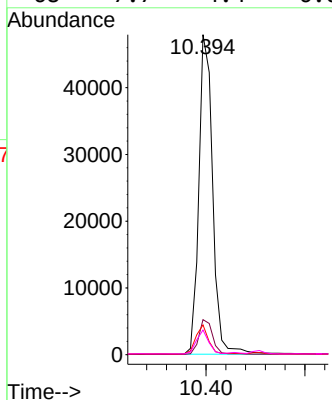
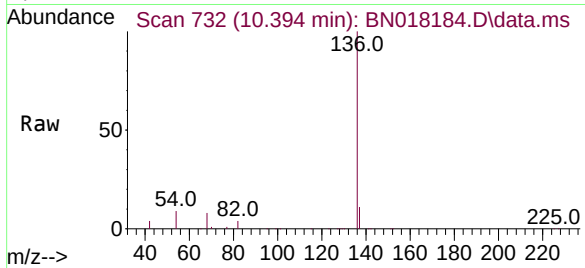




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.394 min Scan# 732
Delta R.T. -0.000 min
Lab File: BN018184.D
Acq: 23 Dec 2021 16:37

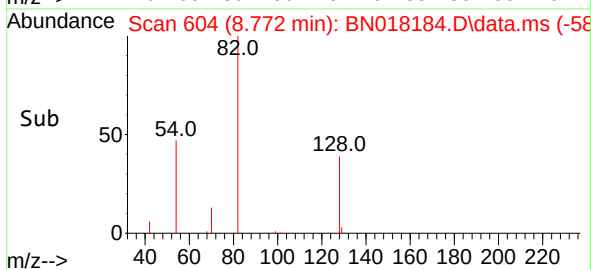
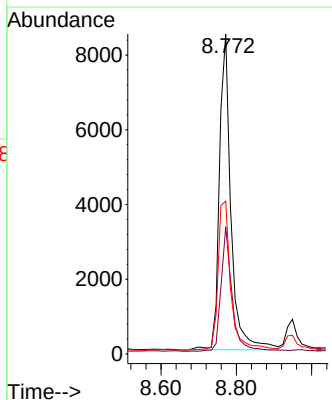
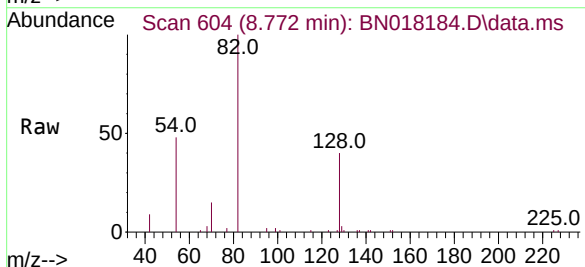
Instrument :
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POST-EXCAVATION-BOTTOM-EAST

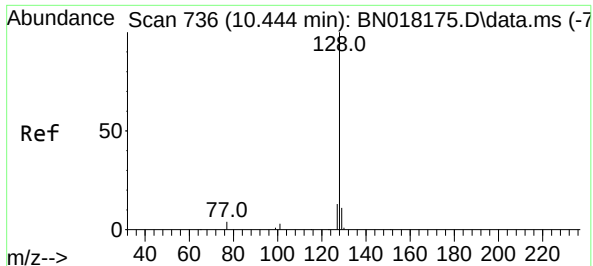
Tgt Ion:	136	Resp:	93375
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.8	13.2
54	9.3	5.0	7.6#
68	7.7	4.4	6.6#



#8
Nitrobenzene-d5
Concen: 0.287 ng
RT: 8.772 min Scan# 604
Delta R.T. -0.000 min
Lab File: BN018184.D
Acq: 23 Dec 2021 16:37

Tgt Ion:	82	Resp:	18061
Ion Ratio	Lower	Upper	
82	100		
128	39.7	33.7	50.5
54	47.7	36.6	55.0

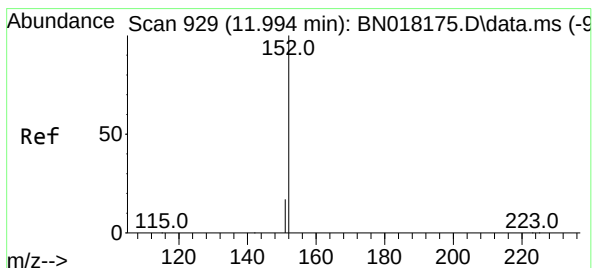
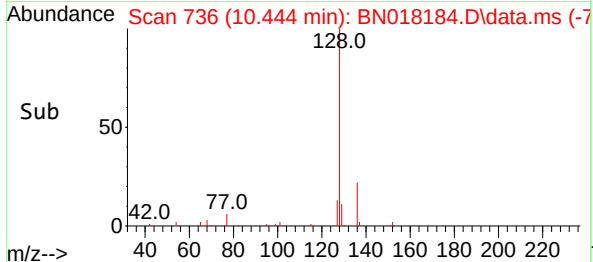
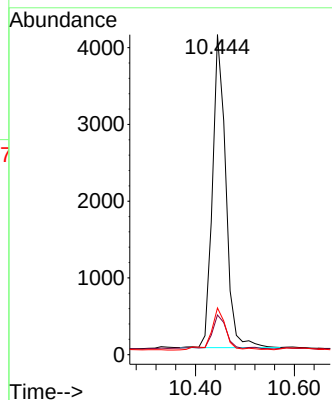
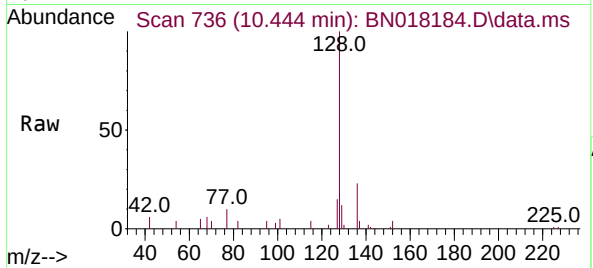




#9
Naphthalene
Concen: 0.033 ng
RT: 10.444 min Scan# 736
Delta R.T. 0.000 min
Lab File: BN018184.D
Acq: 23 Dec 2021 16:37

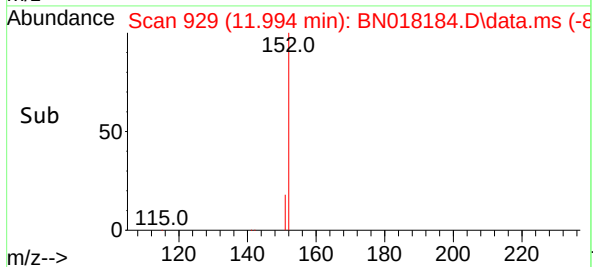
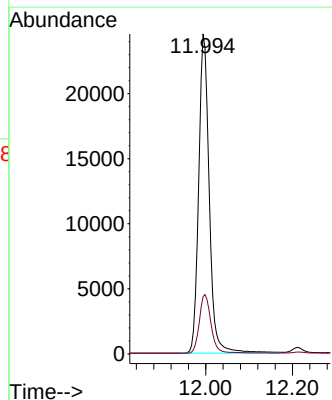
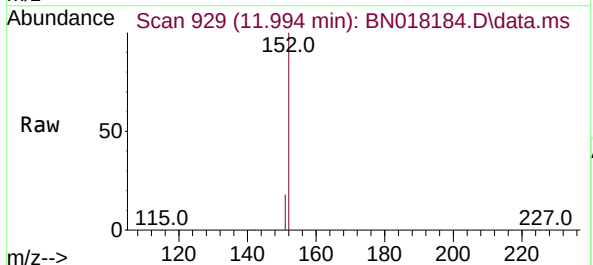
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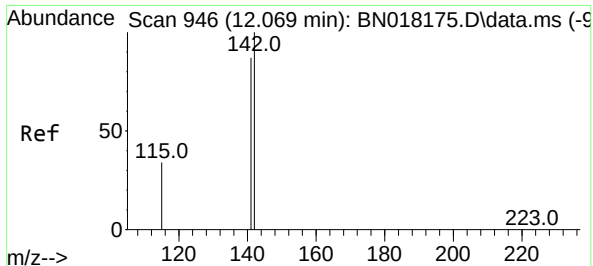
Tgt Ion:128 Resp: 7626
Ion Ratio Lower Upper
128 100
129 12.4 8.7 13.1
127 14.6 10.4 15.6



#11
2-Methylnaphthalene-d10
Concen: 0.260 ng
RT: 11.994 min Scan# 929
Delta R.T. -0.000 min
Lab File: BN018184.D
Acq: 23 Dec 2021 16:37

Tgt Ion:152 Resp: 41642
Ion Ratio Lower Upper
152 100
151 20.4 16.2 24.2





#12

2-Methylnaphthalene

Concen: 0.031 ng

RT: 12.069 min Scan# 946

Delta R.T. 0.000 min

Lab File: BN018184.D

Acq: 23 Dec 2021 16:37

Instrument :

BNA_N

ClientSampleId :

POST-EXCAVATION-BOTTOM-EAST

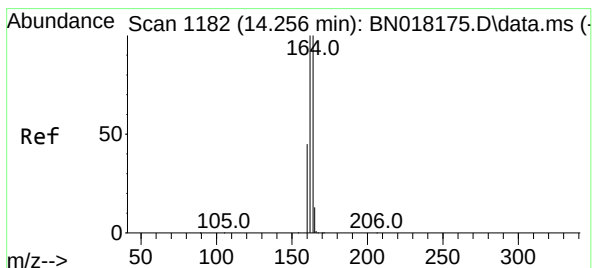
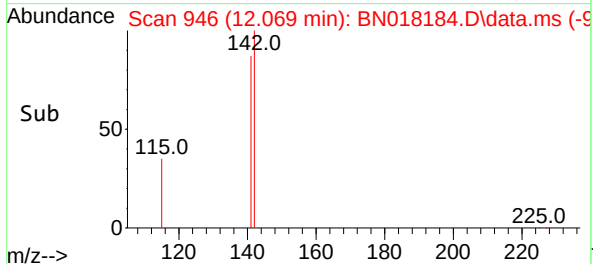
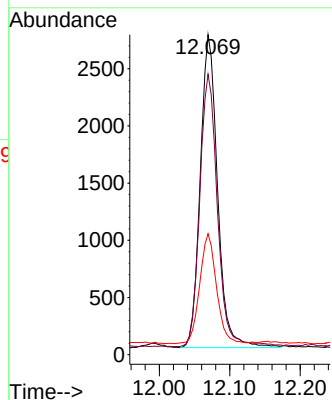
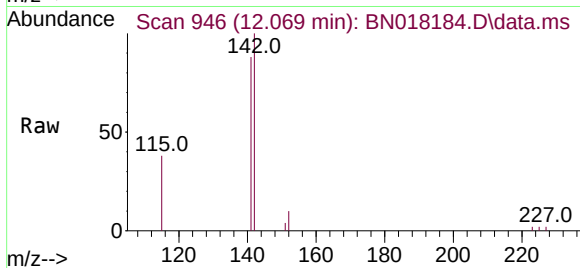
Tgt Ion:142 Resp: 4674

Ion Ratio Lower Upper

142 100

141 87.7 70.0 105.0

115 37.8 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: BN018184.D

Acq: 23 Dec 2021 16:37

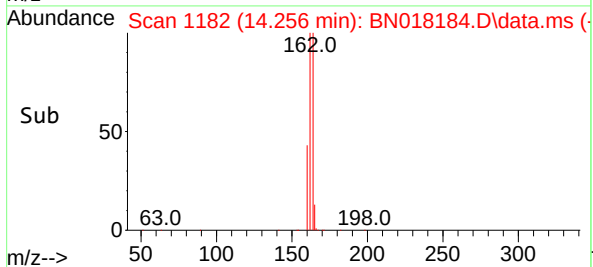
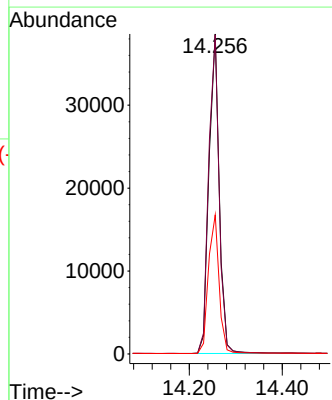
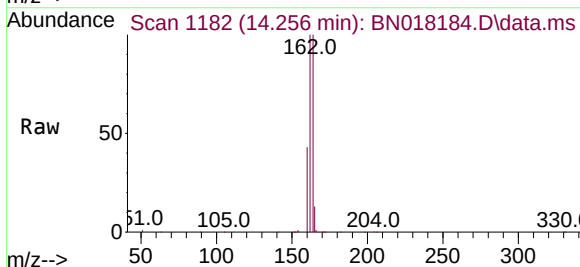
Tgt Ion:164 Resp: 59615

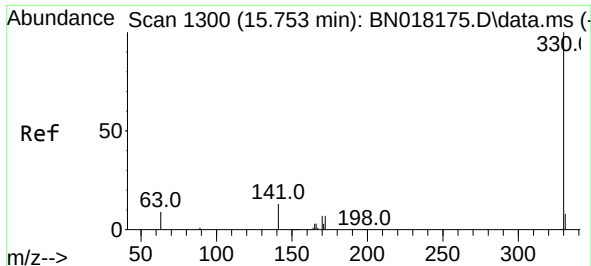
Ion Ratio Lower Upper

164 100

162 99.8 80.2 120.2

160 43.4 36.9 55.3

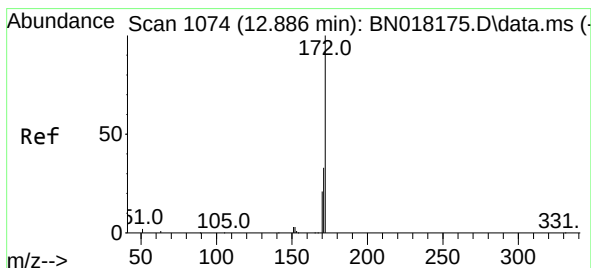
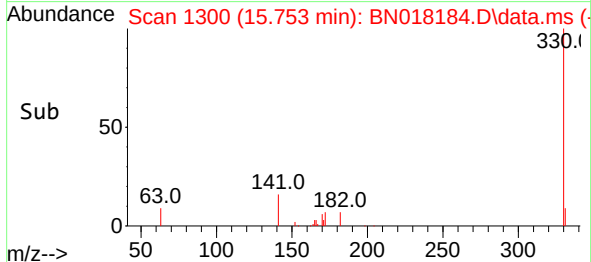
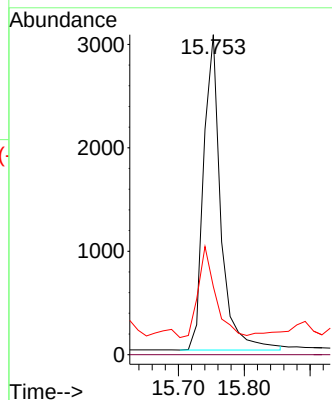
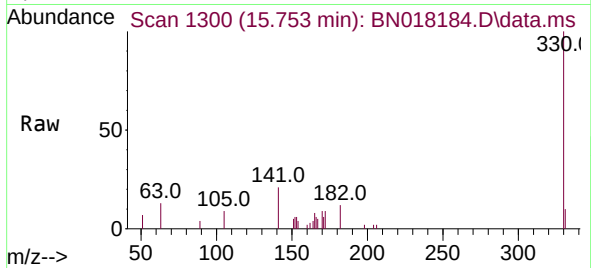




#14
2,4,6-Tribromophenol
Concen: 0.323 ng
RT: 15.753 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN018184.D
Acq: 23 Dec 2021 16:37

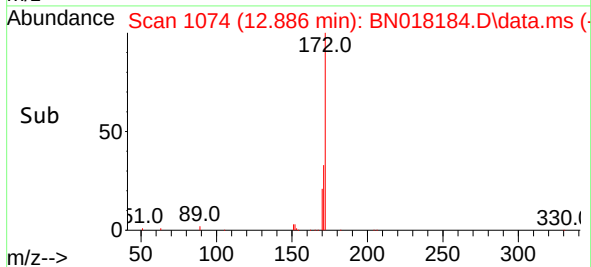
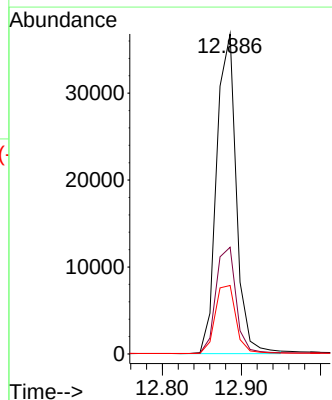
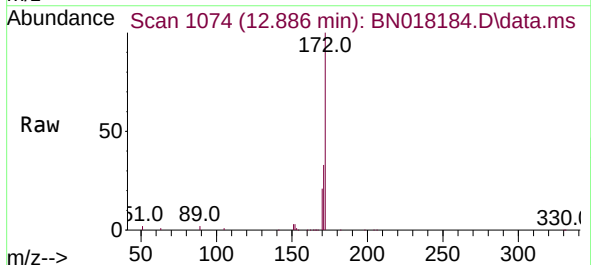
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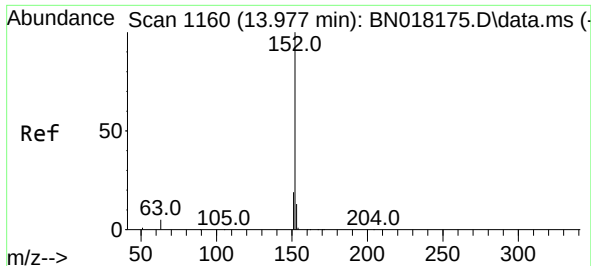
Tgt Ion:330 Resp: 5552
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 29.2 21.3 31.9



#15
2-Fluorobiphenyl
Concen: 0.284 ng
RT: 12.886 min Scan# 1074
Delta R.T. -0.000 min
Lab File: BN018184.D
Acq: 23 Dec 2021 16:37

Tgt Ion:172 Resp: 63398
Ion Ratio Lower Upper
172 100
171 33.3 27.4 41.0
170 21.4 18.4 27.6

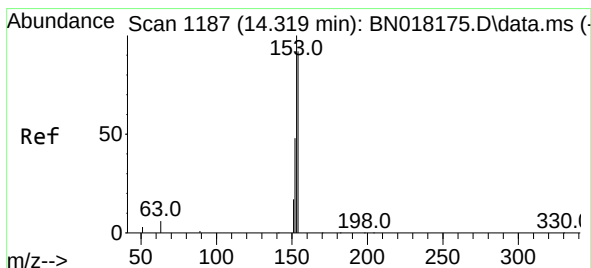
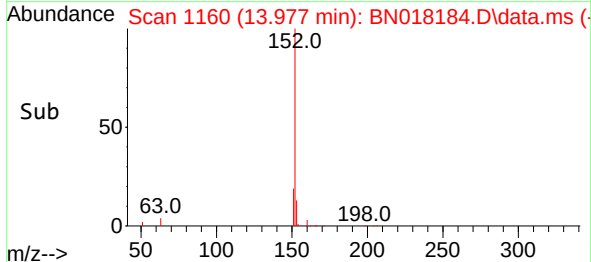
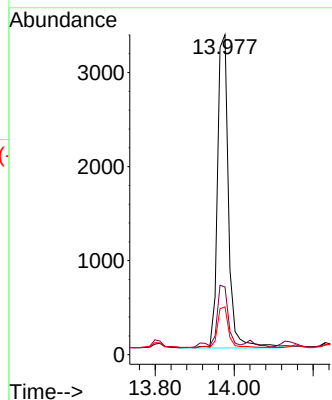
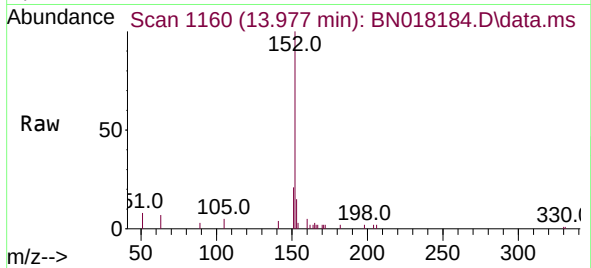




#16
Acenaphthylene
Concen: 0.029 ng
RT: 13.977 min Scan# 1160
Delta R.T. -0.000 min
Lab File: BN018184.D
Acq: 23 Dec 2021 16:37

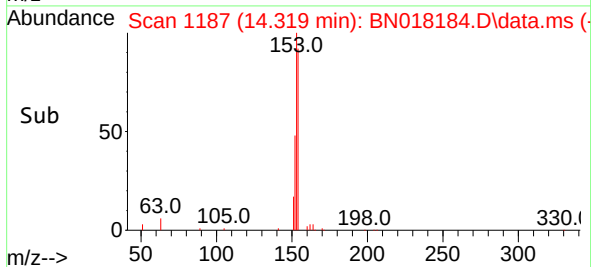
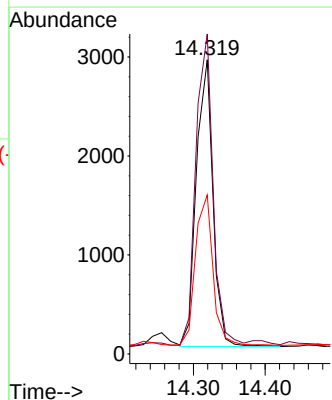
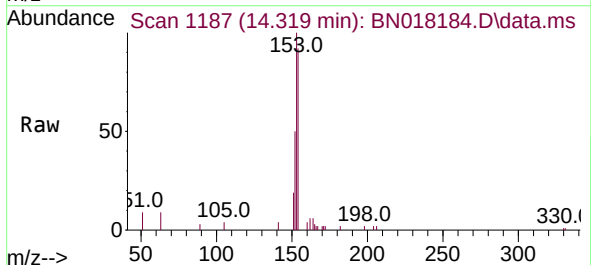
Instrument : BNA_N
ClientSampleId : POST-EXCAVATION-BOTTOM-EAST

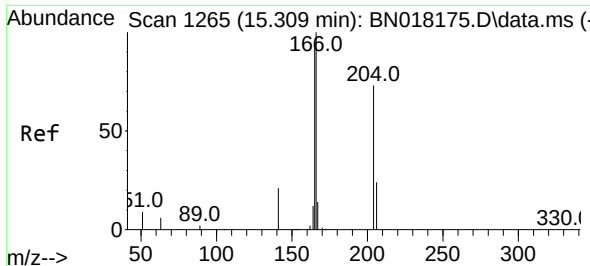
Tgt Ion:152	Resp:	6493
Ion Ratio	Lower	Upper
152	100	
151	21.2	15.8 23.6
153	14.0	10.5 15.7



#17
Acenaphthene
Concen: 0.030 ng
RT: 14.319 min Scan# 1187
Delta R.T. 0.000 min
Lab File: BN018184.D
Acq: 23 Dec 2021 16:37

Tgt Ion:154	Resp:	4655
Ion Ratio	Lower	Upper
154	100	
153	111.5	90.9 136.3
152	55.6	45.0 67.4

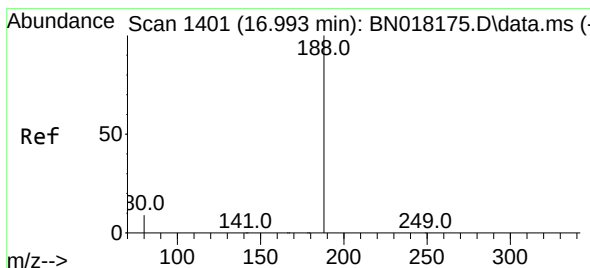
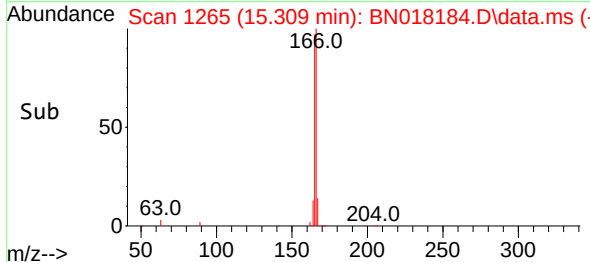
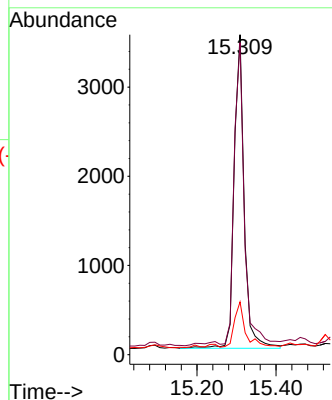
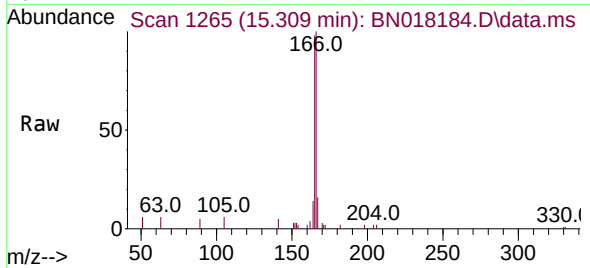




#18
Fluorene
Concen: 0.033 ng
RT: 15.309 min Scan# 1265
Delta R.T. -0.000 min
Lab File: BN018184.D
Acq: 23 Dec 2021 16:37

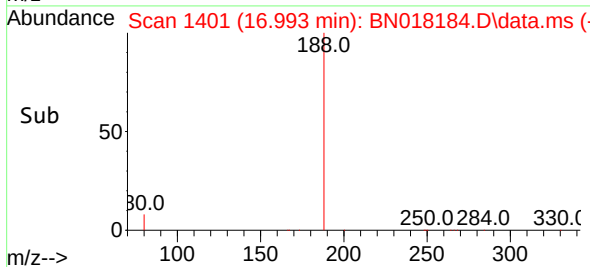
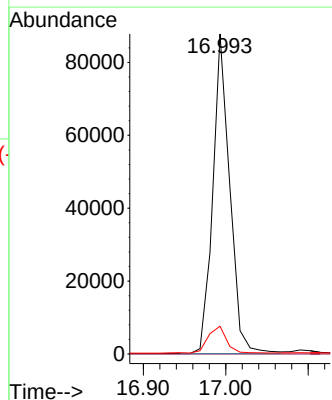
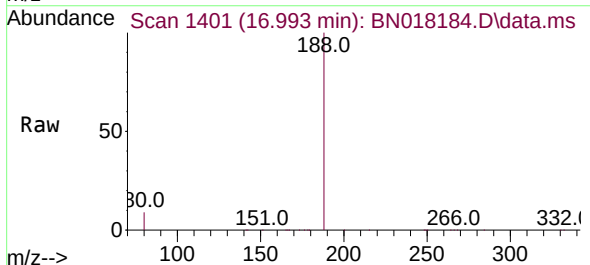
Instrument :
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ClientSampleId :
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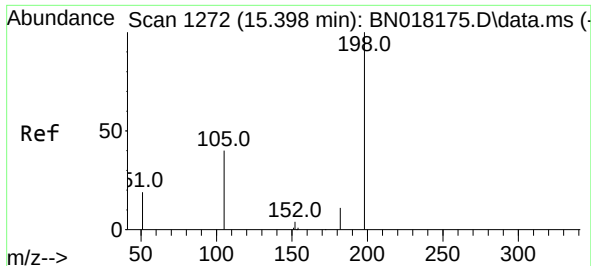
Tgt Ion:166 Resp: 6206
Ion Ratio Lower Upper
166 100
165 95.9 77.8 116.6
167 16.0 10.9 16.3



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.993 min Scan# 1401
Delta R.T. 0.000 min
Lab File: BN018184.D
Acq: 23 Dec 2021 16:37

Tgt Ion:188 Resp: 125726
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.7 7.0 10.4

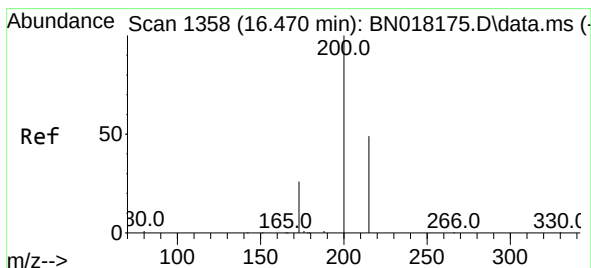
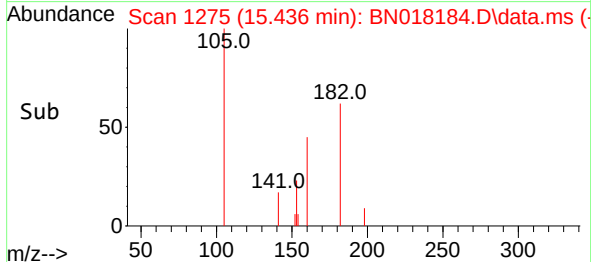
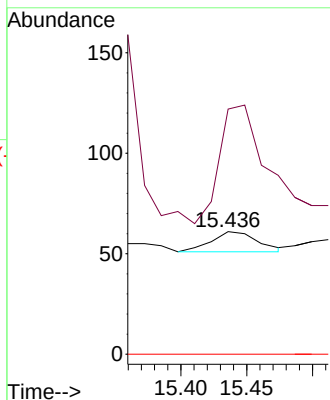
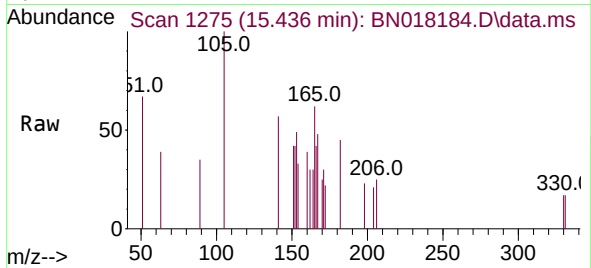




#20
4,6-Dinitro-2-methylphenol
Concen: 0.160 ng
RT: 15.436 min Scan# 11
Delta R.T. 0.038 min
Lab File: BN018184.D
Acq: 23 Dec 2021 16:37

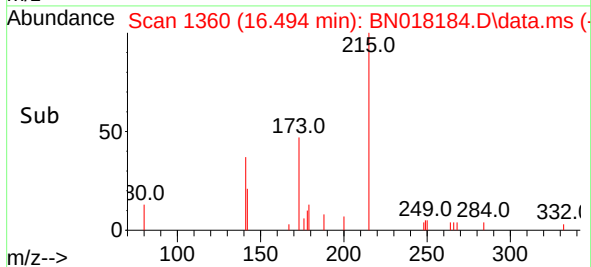
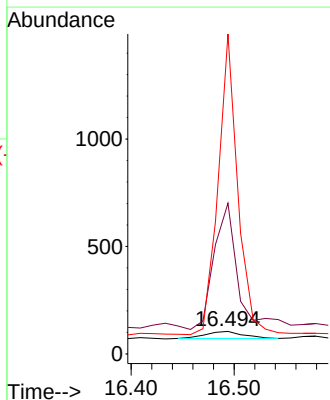
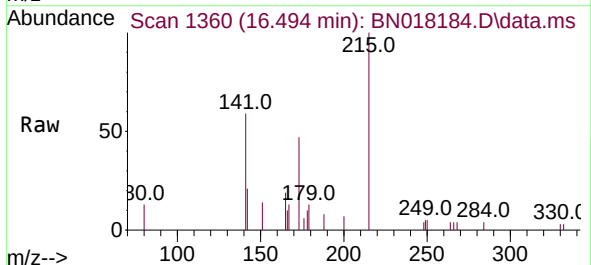
Instrument :
BNA_N
ClientSampleId :
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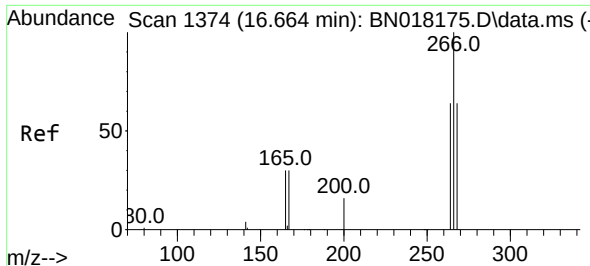
Tgt Ion:198 Resp: 24
Ion Ratio Lower Upper
198 100
182 200.0 15.5 23.3#
77 0.0 0.0 0.0



#23
Atrazine
Concen: 0.103 ng
RT: 16.494 min Scan# 1360
Delta R.T. 0.024 min
Lab File: BN018184.D
Acq: 23 Dec 2021 16:37

Tgt Ion:200 Resp: 82
Ion Ratio Lower Upper
200 100
173 667.6 20.3 30.5#
215 1418.1 40.4 60.6#

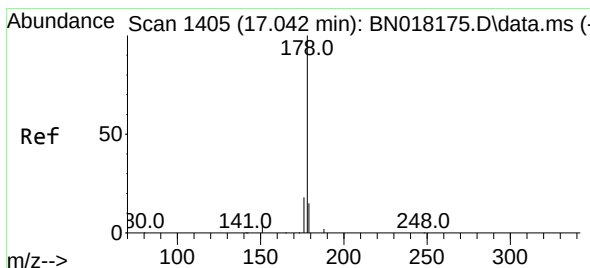
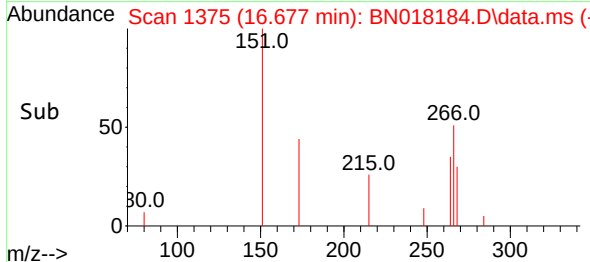
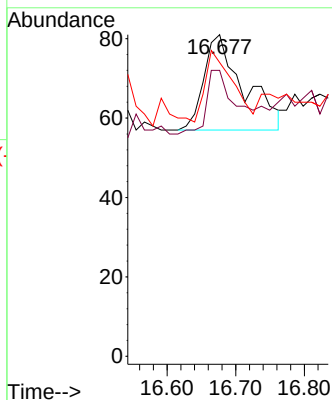
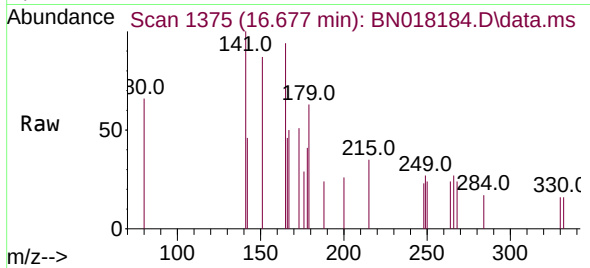




#24
 Pentachlorophenol
 Concen: 0.295 ng
 RT: 16.677 min Scan# 11
 Delta R.T. 0.013 min
 Lab File: BN018184.D
 Acq: 23 Dec 2021 16:37

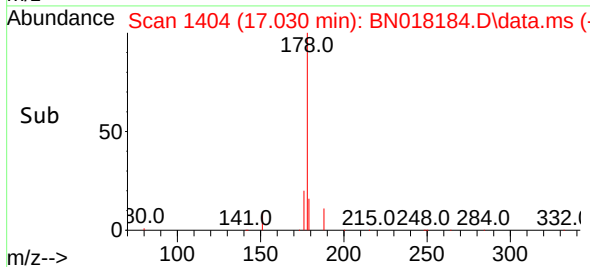
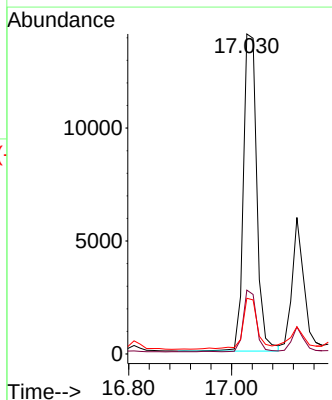
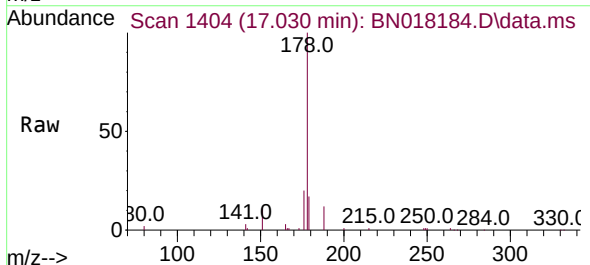
Instrument :
 BNA_N
 ClientSampleId :
 POST-EXCAVATION-BOTTOM-EAST

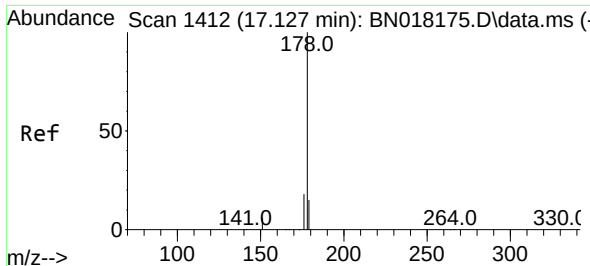
Tgt Ion:266 Resp: 97
 Ion Ratio Lower Upper
 266 100
 264 48.5 49.5 74.3#
 268 45.4 50.6 76.0#



#25
 Phenanthrene
 Concen: 0.076 ng
 RT: 17.030 min Scan# 1404
 Delta R.T. -0.012 min
 Lab File: BN018184.D
 Acq: 23 Dec 2021 16:37

Tgt Ion:178 Resp: 25452
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.3 22.9
 179 17.9 12.3 18.5

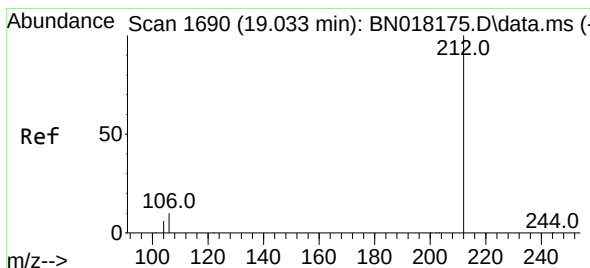
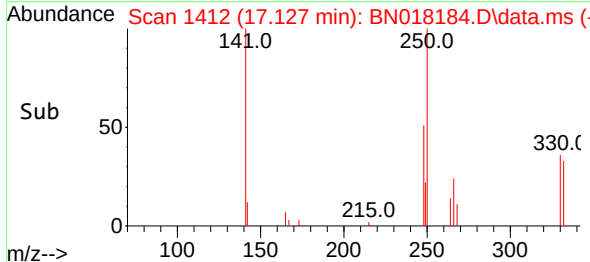
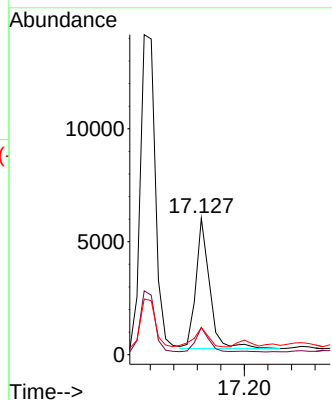
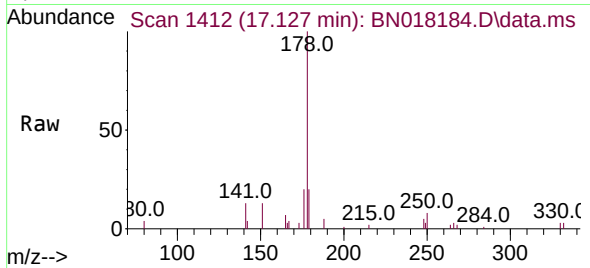




#26
 Anthracene
 Concen: 0.034 ng
 RT: 17.127 min Scan# 1412
 Delta R.T. -0.000 min
 Lab File: BN018184.D
 Acq: 23 Dec 2021 16:37

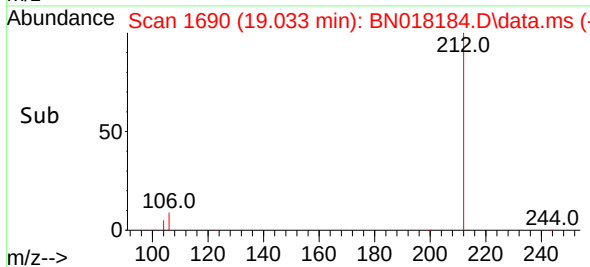
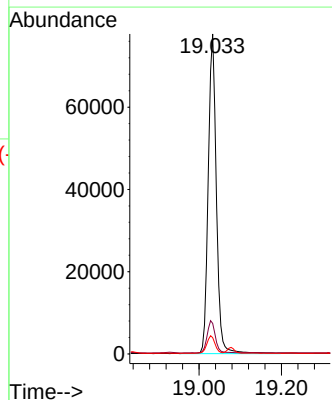
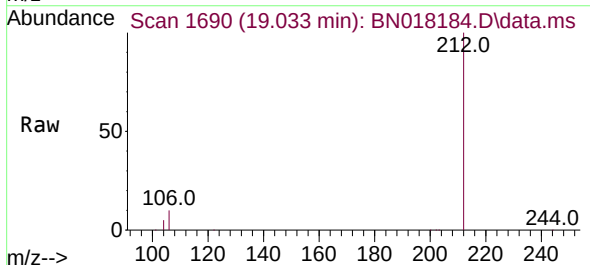
Instrument :
 BNA_N
 ClientSampleId :
 POST-EXCAVATION-BOTTOM-EAST

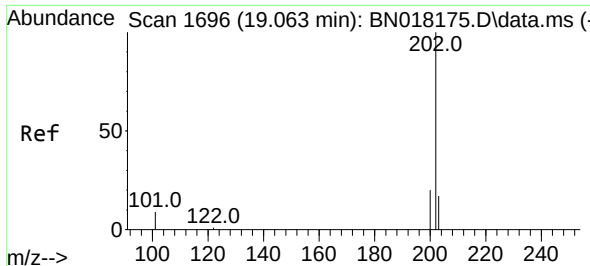
Tgt Ion:178 Resp: 9385
 Ion Ratio Lower Upper
 178 100
 176 18.8 14.8 22.2
 179 15.5 12.2 18.4



#27
 Fluoranthene-d10
 Concen: 0.266 ng
 RT: 19.033 min Scan# 1690
 Delta R.T. -0.000 min
 Lab File: BN018184.D
 Acq: 23 Dec 2021 16:37

Tgt Ion:212 Resp: 106003
 Ion Ratio Lower Upper
 212 100
 106 10.0 8.4 12.6
 104 5.5 4.5 6.7

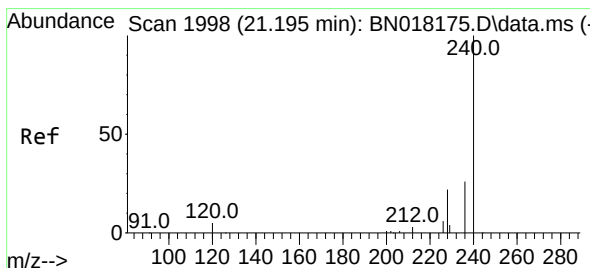
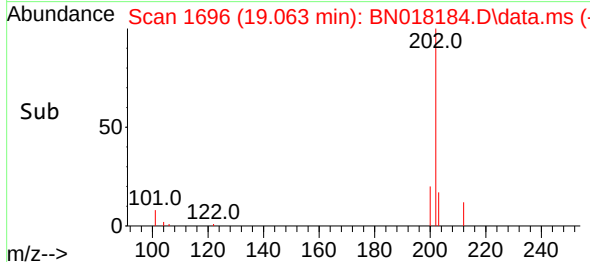
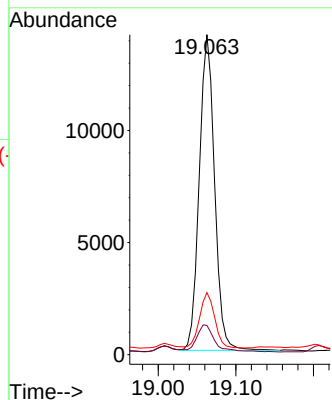
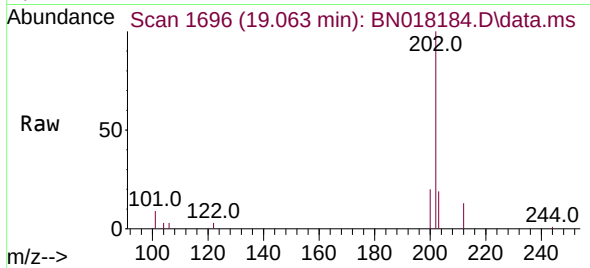




#28
Fluoranthene
Concen: 0.050 ng
RT: 19.063 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN018184.D
Acq: 23 Dec 2021 16:37

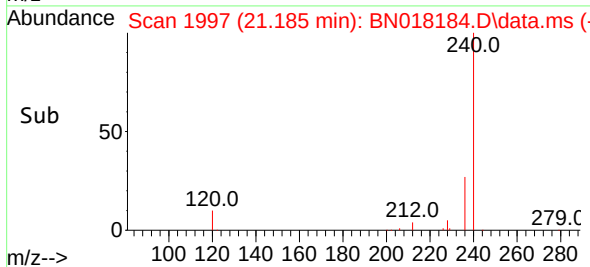
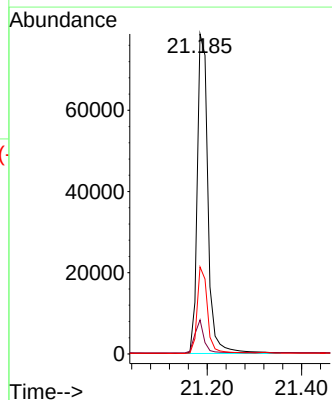
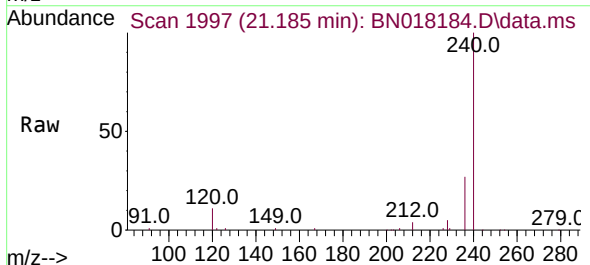
Instrument :
BNA_N
ClientSampleId :
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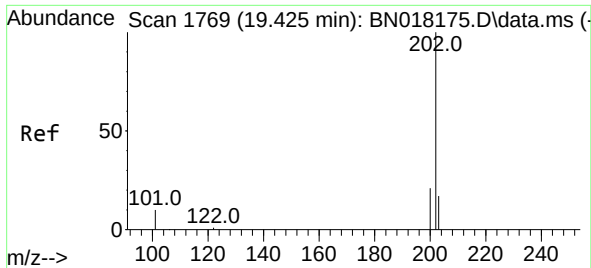
Tgt Ion:202 Resp: 19320
Ion Ratio Lower Upper
202 100
101 10.1 7.2 10.8
203 17.5 13.7 20.5



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.185 min Scan# 1997
Delta R.T. -0.010 min
Lab File: BN018184.D
Acq: 23 Dec 2021 16:37

Tgt Ion:240 Resp: 123997
Ion Ratio Lower Upper
240 100
120 10.7 6.0 9.0#
236 27.2 21.4 32.2

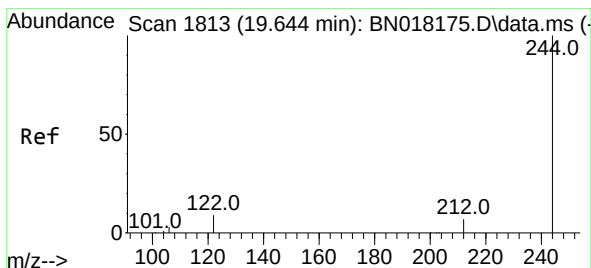
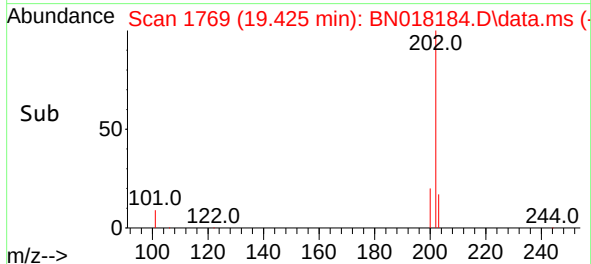
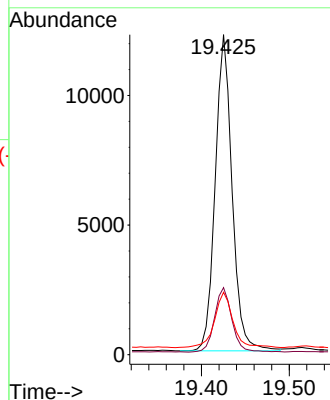
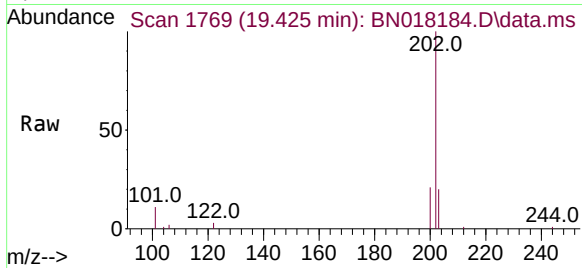




#30
Pyrene
Concen: 0.041 ng
RT: 19.425 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN018184.D
Acq: 23 Dec 2021 16:37

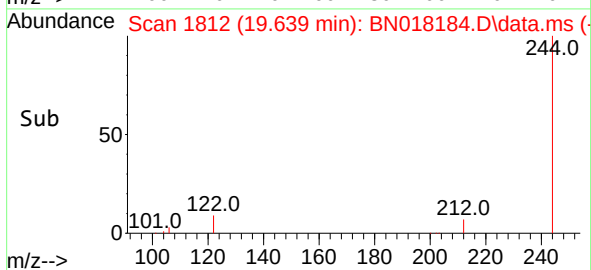
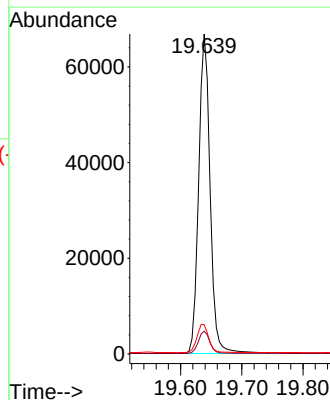
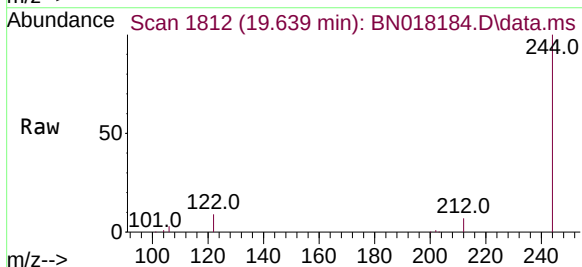
Instrument :
BNA_N
ClientSampleId :
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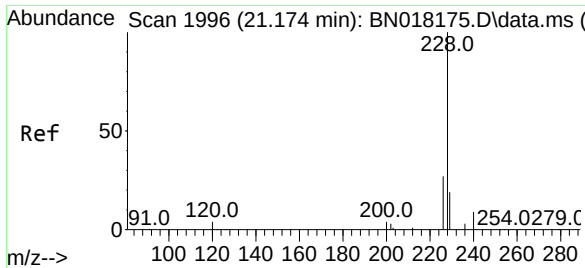
Tgt Ion:202 Resp: 16297
Ion Ratio Lower Upper
202 100
200 20.8 16.6 25.0
203 19.1 14.1 21.1



#31
Terphenyl-d14
Concen: 0.317 ng
RT: 19.639 min Scan# 1812
Delta R.T. -0.005 min
Lab File: BN018184.D
Acq: 23 Dec 2021 16:37

Tgt Ion:244 Resp: 86574
Ion Ratio Lower Upper
244 100
212 7.1 6.2 9.2
122 9.2 7.9 11.9

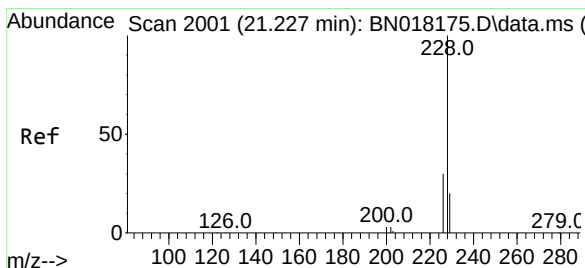
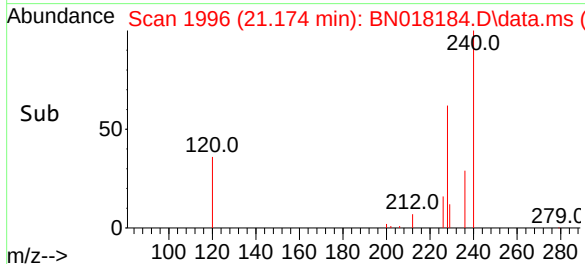
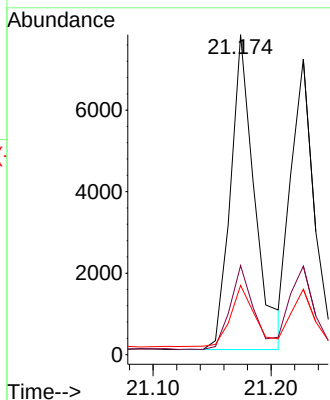
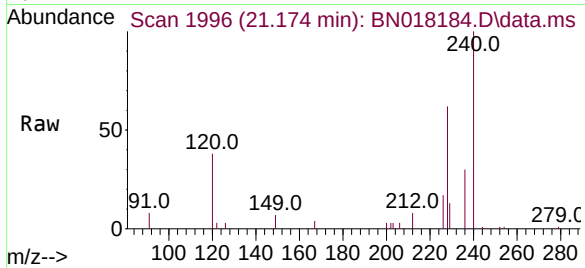




#32
Benzo(a)anthracene
Concen: 0.030 ng
RT: 21.174 min Scan# 1996
Delta R.T. 0.000 min
Lab File: BN018184.D
Acq: 23 Dec 2021 16:37

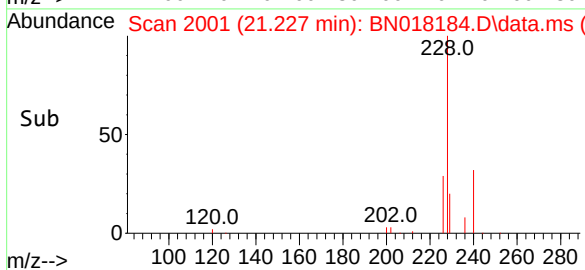
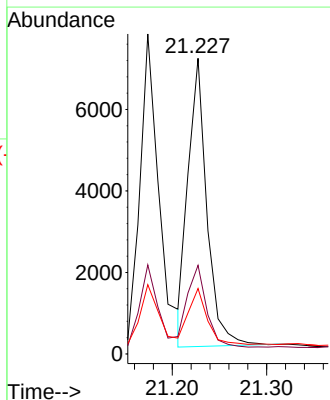
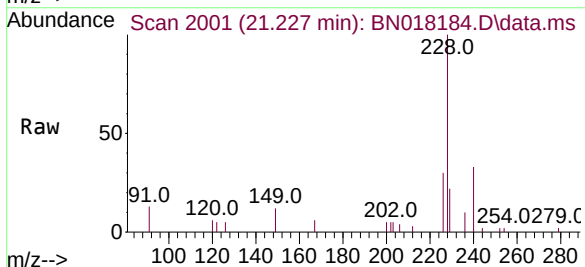
Instrument :
BNA_N
ClientSampleId :
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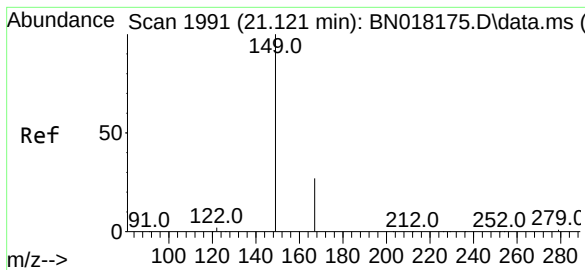
Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.9	21.3	31.9
229	21.7	15.9	23.9



#33
Chrysene
Concen: 0.025 ng
RT: 21.227 min Scan# 2001
Delta R.T. 0.000 min
Lab File: BN018184.D
Acq: 23 Dec 2021 16:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.2	36.4
229	22.1	15.5	23.3

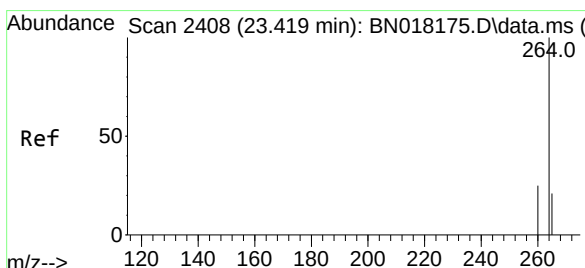
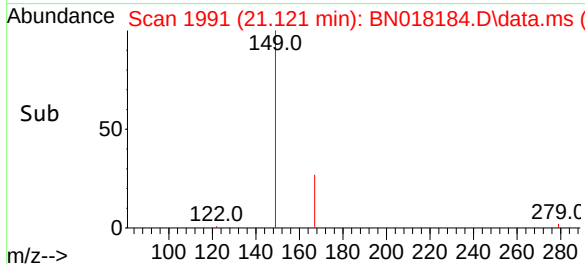
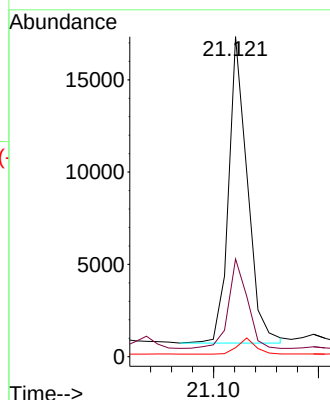
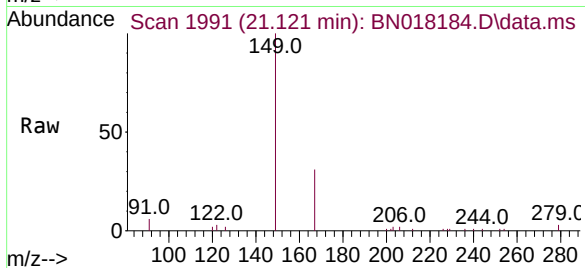




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.367 ng
 RT: 21.121 min Scan# 1991
 Delta R.T. 0.000 min
 Lab File: BN018184.D
 Acq: 23 Dec 2021 16:37

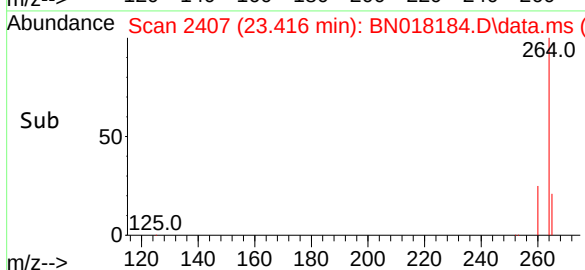
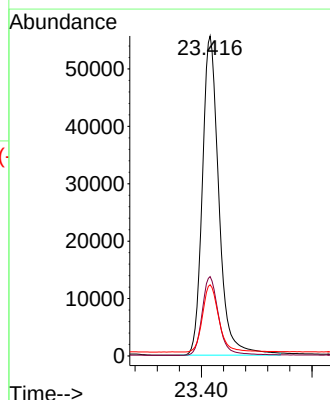
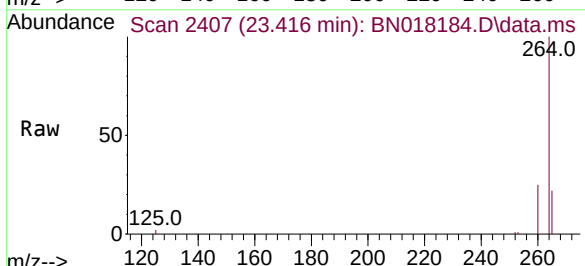
Instrument :
 BNA_N
 ClientSampleId :
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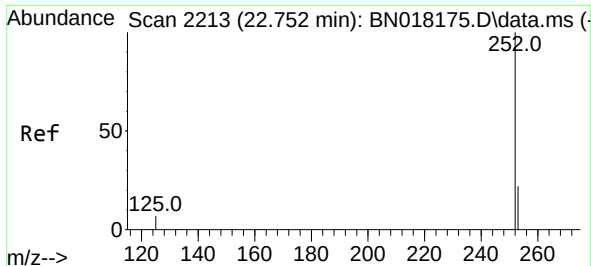
Tgt Ion:	149	Resp:	20657
Ion Ratio	Lower	Upper	
149	100		
167	29.1	23.7	35.5
279	5.0	3.6	5.4



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.416 min Scan# 2407
 Delta R.T. -0.003 min
 Lab File: BN018184.D
 Acq: 23 Dec 2021 16:37

Tgt Ion:	264	Resp:	115519
Ion Ratio	Lower	Upper	
264	100		
260	24.8	20.2	30.4
265	22.3	18.2	27.2

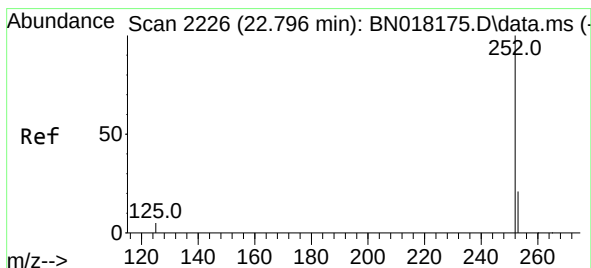
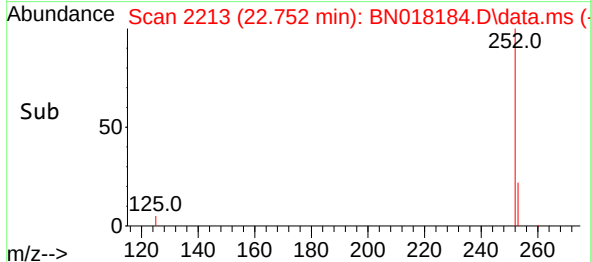
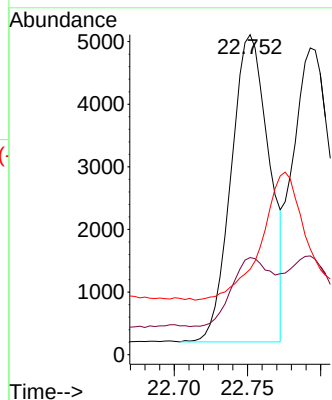
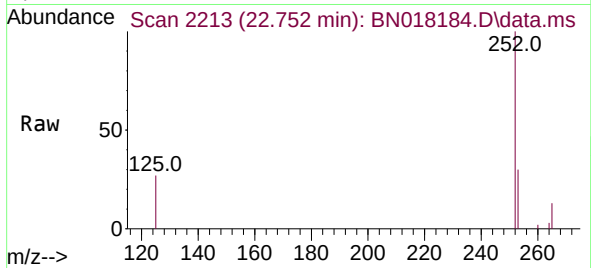




#37
Benzo(b)fluoranthene
Concen: 0.025 ng
RT: 22.752 min Scan# 211
Delta R.T. -0.000 min
Lab File: BN018184.D
Acq: 23 Dec 2021 16:37

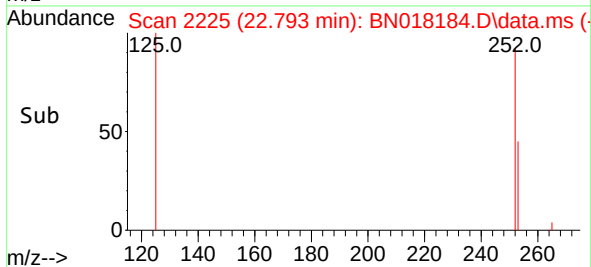
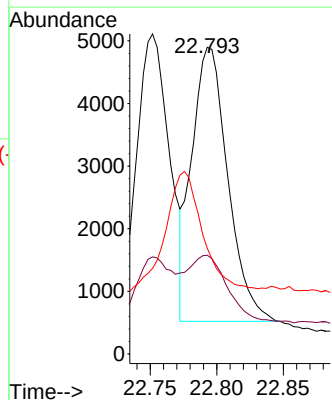
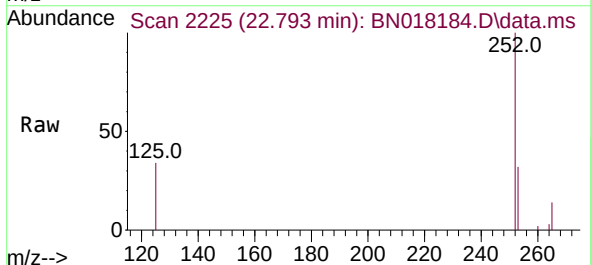
Instrument :
BNA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-EAST

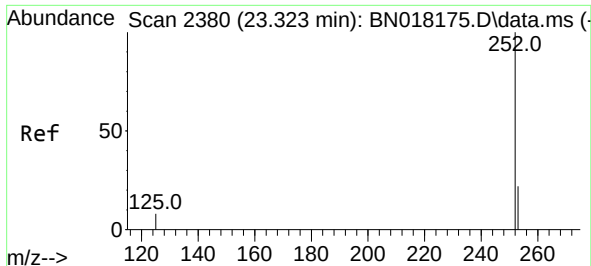
Tgt Ion:252 Resp: 8874
Ion Ratio Lower Upper
252 100
253 30.4 17.8 26.6#
125 26.7 6.0 9.0#



#38
Benzo(k)fluoranthene
Concen: 0.023 ng
RT: 22.793 min Scan# 2225
Delta R.T. -0.003 min
Lab File: BN018184.D
Acq: 23 Dec 2021 16:37

Tgt Ion:252 Resp: 8239
Ion Ratio Lower Upper
252 100
253 32.2 17.7 26.5#
125 34.5 6.2 9.2#

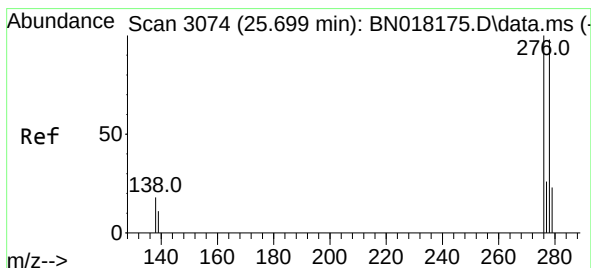
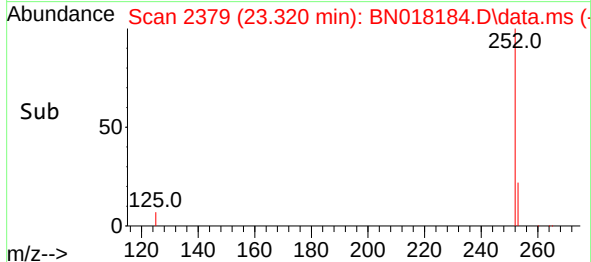
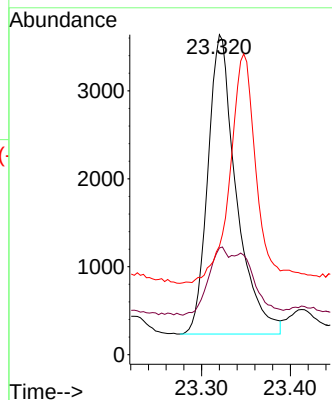
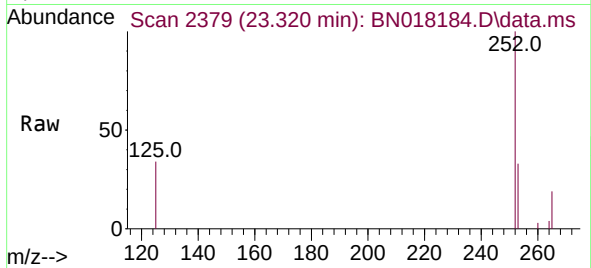




#39
Benzo(a)pyrene
Concen: 0.024 ng
RT: 23.320 min Scan# 21
Delta R.T. -0.003 min
Lab File: BN018184.D
Acq: 23 Dec 2021 16:37

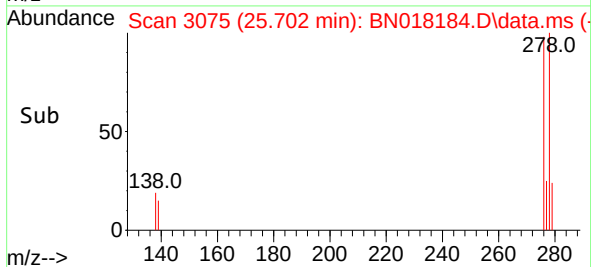
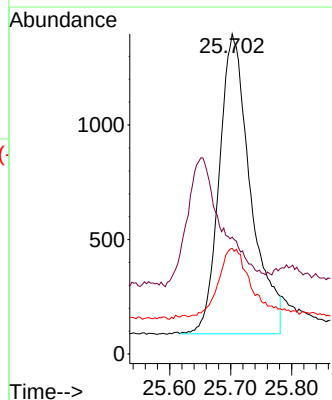
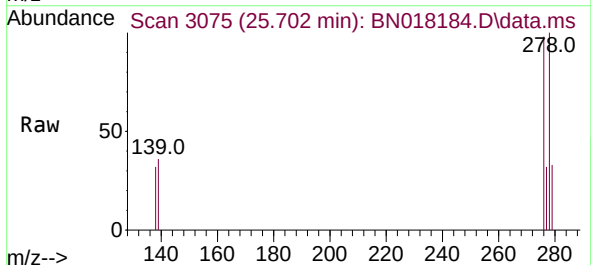
Instrument :
BNA_N
ClientSampleId :
POST-EXCAVATION-BOTTOM-EAST

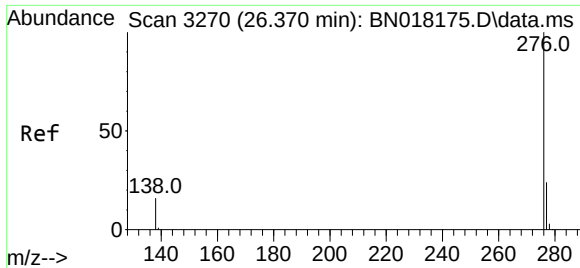
Tgt Ion:252 Resp: 7569
Ion Ratio Lower Upper
252 100
253 33.3 17.8 26.6#
125 33.9 7.0 10.4#



#40
Dibenzo(a,h)anthracene
Concen: 0.046 ng
RT: 25.702 min Scan# 3075
Delta R.T. 0.003 min
Lab File: BN018184.D
Acq: 23 Dec 2021 16:37

Tgt Ion:278 Resp: 4660
Ion Ratio Lower Upper
278 100
139 36.5 10.8 16.2#
279 33.0 19.0 28.4#





#41

Benzo(g,h,i)perylene

Concen: 0.021 ng

RT: 26.373 min Scan# 31

Delta R.T. 0.003 min

Lab File: BN018184.D

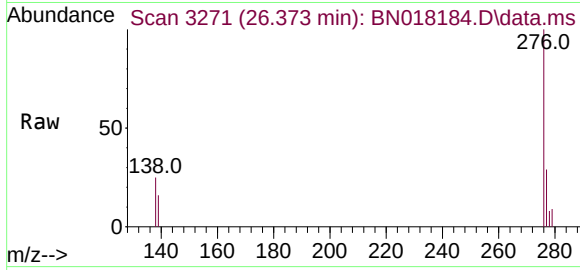
Acq: 23 Dec 2021 16:37

Instrument :

BNA_N

ClientSampleId :

POST-EXCAVATION-BOTTOM-EAST



Tgt Ion:276 Resp: 6336

Ion Ratio Lower Upper

276 100

277 28.6 19.0 28.6#

138 24.6 12.6 19.0#

