

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112321\
 Data File : BN017554.D
 Acq On : 22 Nov 2021 20:46
 Operator : CG/JU
 Sample : M4801-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SITE-1-DRILL-CUTTINGS-20211119

Quant Time: Nov 23 02:40:46 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN111921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 19 14:57:14 2021
 Response via : Initial Calibration

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

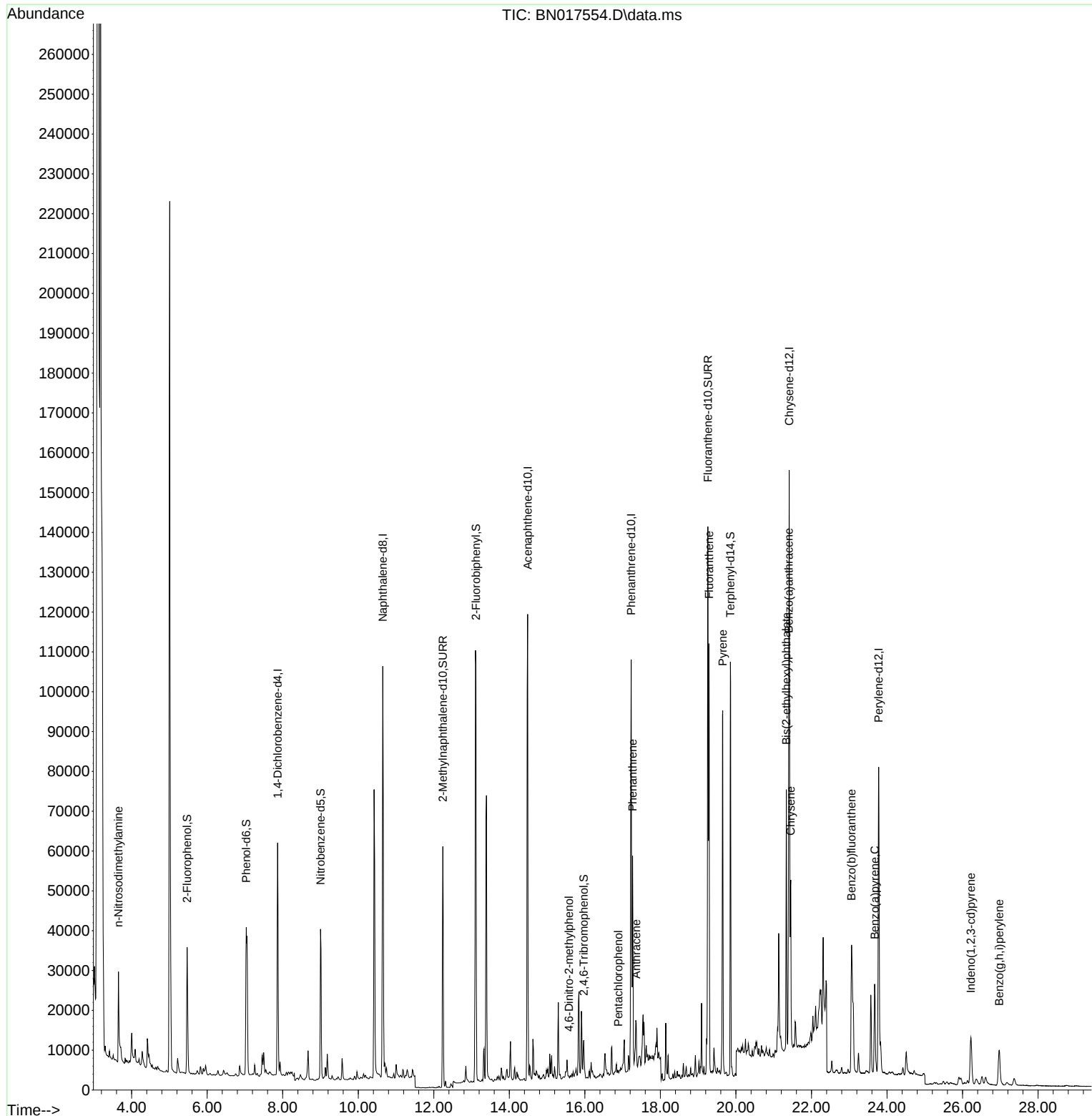
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.865	152	30443	0.400	ng	0.00
7) Naphthalene-d8	10.649	136	137822	0.400	ng	#-0.01
13) Acenaphthene-d10	14.486	164	73831	0.400	ng	0.00
19) Phenanthrene-d10	17.226	188	140255	0.400	ng	0.00
29) Chrysene-d12	21.409	240	120126	0.400	ng	# 0.00
35) Perylene-d12	23.780	264	106865	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.467	112	28487	0.378	ng	0.02
5) Phenol-d6	7.035	99	33412	0.393	ng	0.00
8) Nitrobenzene-d5	9.001	82	33634	0.371	ng	-0.01
11) 2-Methylnaphthalene-d10	12.240	152	82503	0.359	ng	0.00
14) 2,4,6-Tribromophenol	15.970	330	6121	0.270	ng	0.00
15) 2-Fluorobiphenyl	13.115	172	99261	0.361	ng	0.00
27) Fluoranthene-d10	19.258	212	152809	0.354	ng	0.00
31) Terphenyl-d14	19.853	244	101065	0.383	ng	0.00
Target Compounds						
						Qvalue
3) n-Nitrosodimethylamine	3.651	42	5169	0.172	ng	# 1
20) 4,6-Dinitro-2-methylph...	15.577	198	15	0.107	ng	# 1
24) Pentachlorophenol	16.885	266	252	0.207	ng	# 89
25) Phenanthrene	17.262	178	55296	0.141	ng	97
26) Anthracene	17.359	178	10242	0.031	ng	# 86
28) Fluoranthene	19.287	202	99457	0.229	ng	100
30) Pyrene	19.650	202	84121	0.207	ng	# 95
32) Benzo(a)anthracene	21.398	228	46198	0.124	ng	96
33) Chrysene	21.452	228	42280	0.106	ng	97
34) Bis(2-ethylhexyl)phtha...	21.335	149	54884	0.373	ng	# 99
36) Indeno(1,2,3-cd)pyrene	26.220	276	19835	0.061	ng	99
37) Benzo(b)fluoranthene	23.061	252	55861	0.144	ng	# 89
39) Benzo(a)pyrene	23.674	252	33956	0.106	ng	# 89
41) Benzo(g,h,i)perylene	26.970	276	20407	0.073	ng	# 93

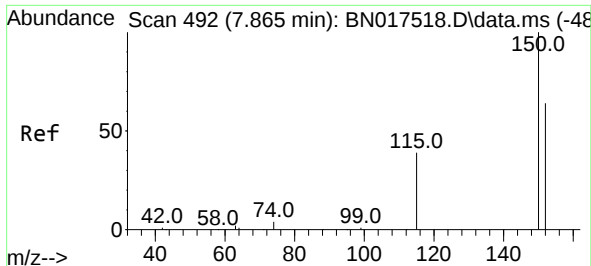
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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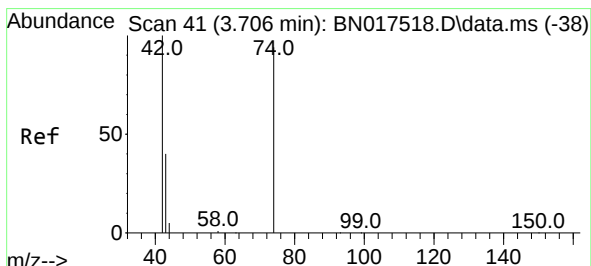
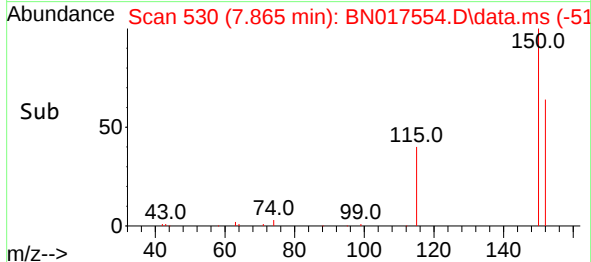
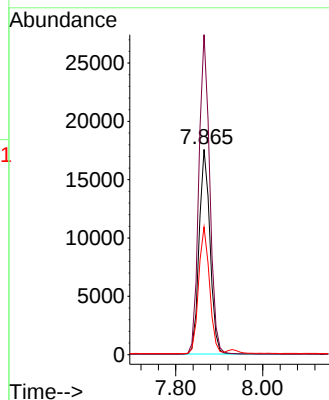
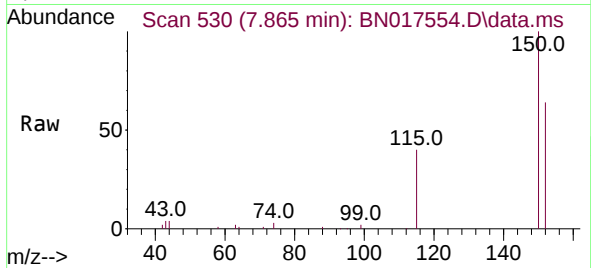




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.865 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN017554.D
Acq: 22 Nov 2021 20:46

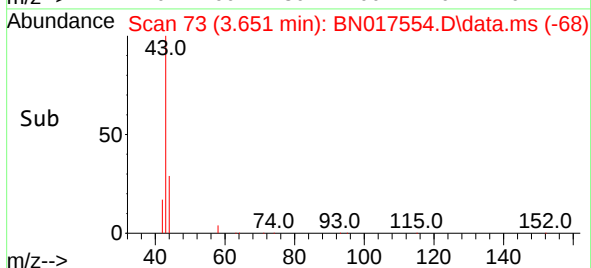
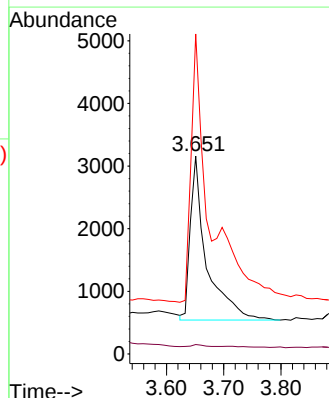
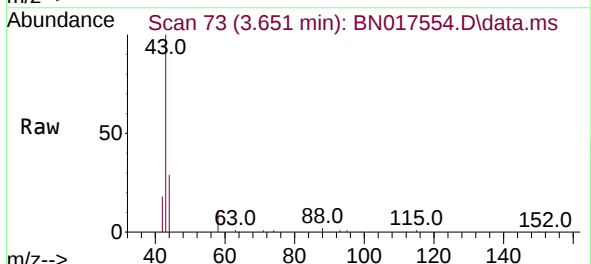
Instrument :
BNA_N
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SITE-1-DRILL-CUTTINGS-20211119

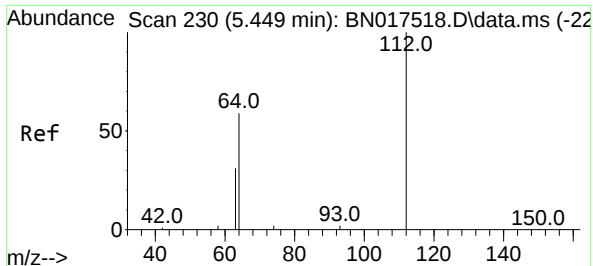
Tgt Ion:152 Resp: 30443
Ion Ratio Lower Upper
152 100
150 155.9 123.0 184.4
115 62.2 45.6 68.4



#3
n-Nitrosodimethylamine
Concen: 0.172 ng
RT: 3.651 min Scan# 73
Delta R.T. -0.055 min
Lab File: BN017554.D
Acq: 22 Nov 2021 20:46

Tgt Ion: 42 Resp: 5169
Ion Ratio Lower Upper
42 100
74 0.9 97.8 146.6#
44 131.7 5.5 8.3#

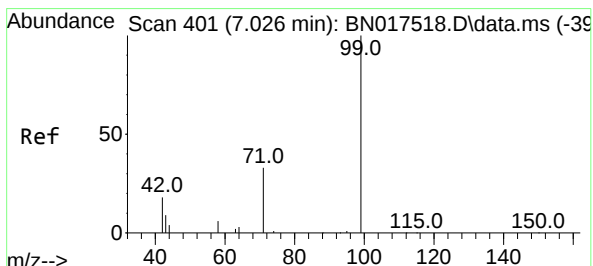
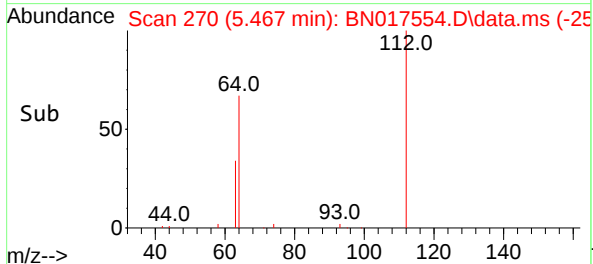
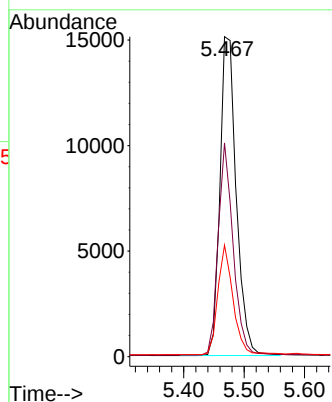
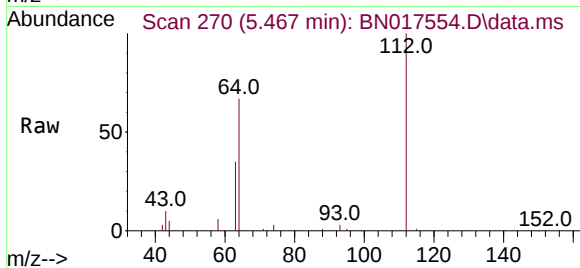




#4
2-Fluorophenol
Concen: 0.378 ng
RT: 5.467 min Scan# 21
Delta R.T. 0.018 min
Lab File: BN017554.D
Acq: 22 Nov 2021 20:46

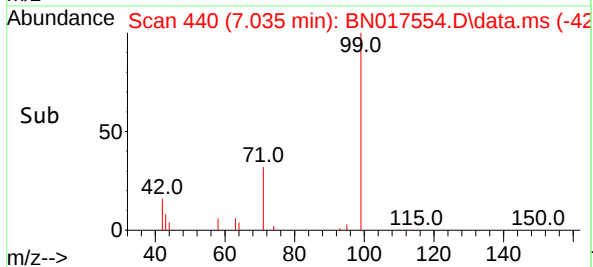
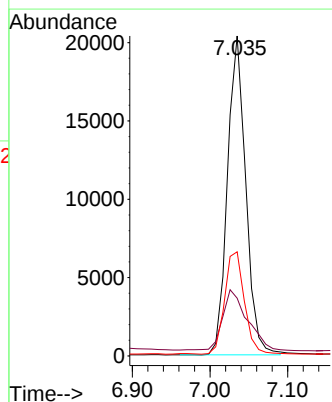
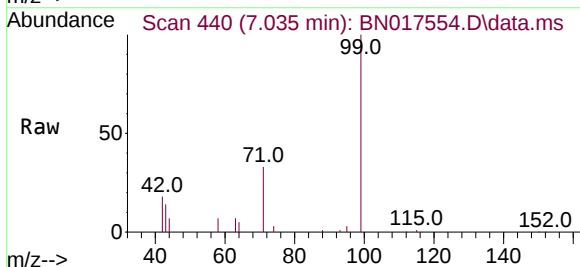
Instrument :
BNA_N
ClientSampleId :
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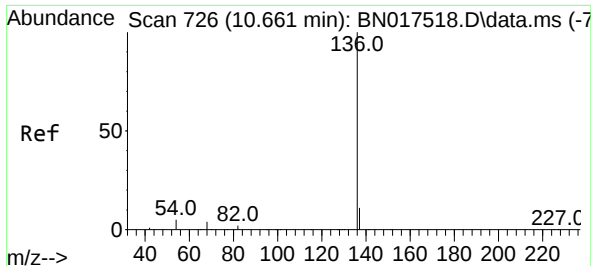
Tgt Ion:112 Resp: 28487
Ion Ratio Lower Upper
112 100
64 60.9 47.6 71.4
63 32.0 24.6 37.0



#5
Phenol-d6
Concen: 0.393 ng
RT: 7.035 min Scan# 440
Delta R.T. 0.009 min
Lab File: BN017554.D
Acq: 22 Nov 2021 20:46

Tgt Ion: 99 Resp: 33412
Ion Ratio Lower Upper
99 100
42 25.2 17.0 25.6
71 34.5 24.8 37.2

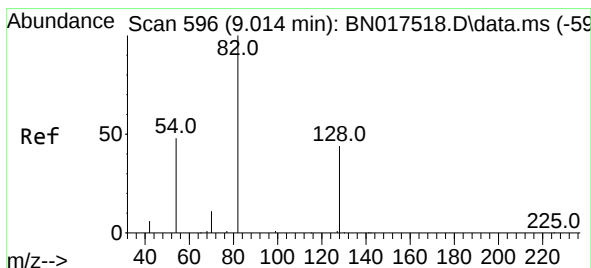
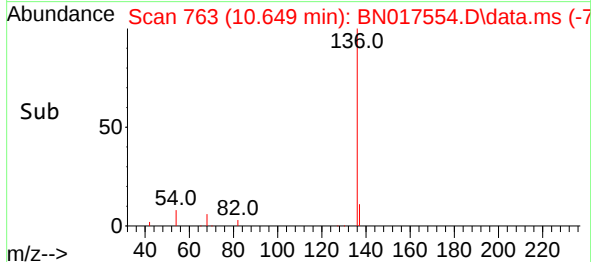
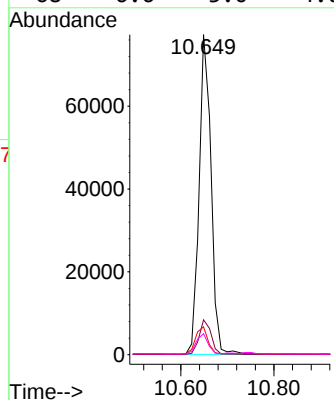
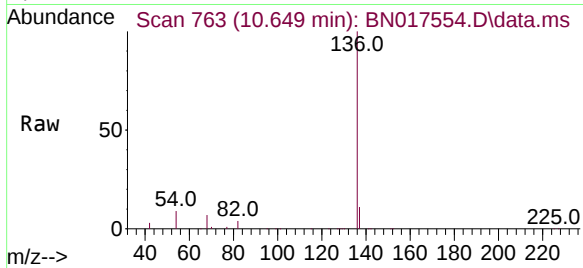




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.649 min Scan# 70
Delta R.T. -0.012 min
Lab File: BN017554.D
Acq: 22 Nov 2021 20:46

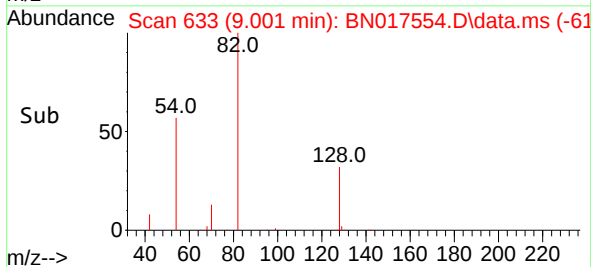
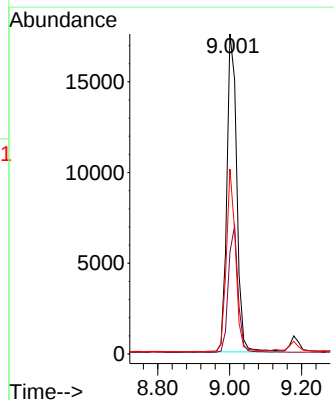
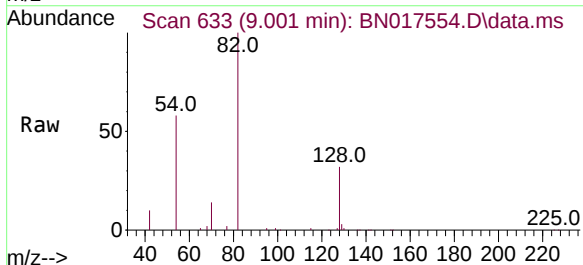
Instrument :
BNA_N
ClientSampleId :
SITE-1-DRILL-CUTTINGS-20211119

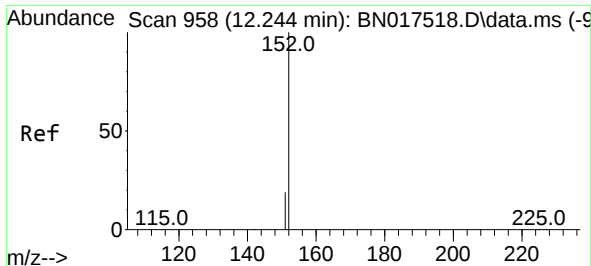
Tgt Ion:136 Resp: 137822
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 8.7 4.0 6.0#
68 6.6 3.0 4.6#



#8
Nitrobenzene-d5
Concen: 0.371 ng
RT: 9.001 min Scan# 633
Delta R.T. -0.013 min
Lab File: BN017554.D
Acq: 22 Nov 2021 20:46

Tgt Ion: 82 Resp: 33634
Ion Ratio Lower Upper
82 100
128 31.9 27.7 41.5
54 57.8 49.2 73.8





#11

2-Methylnaphthalene-d10

Concen: 0.359 ng

RT: 12.240 min Scan# 958

Delta R.T. -0.004 min

Lab File: BN017554.D

Acq: 22 Nov 2021 20:46

Instrument :

BNA_N

ClientSampleId :

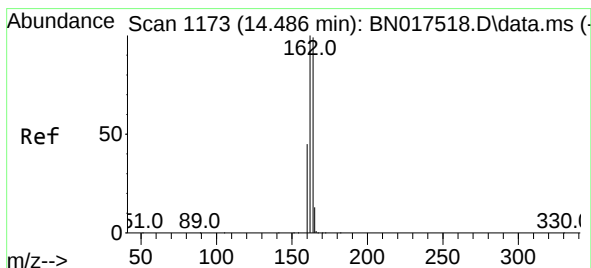
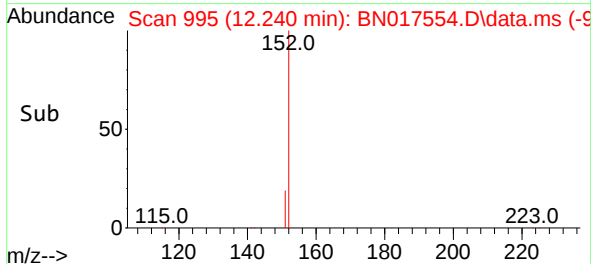
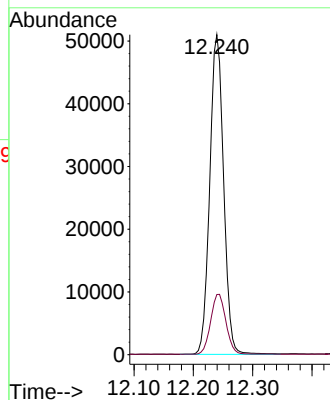
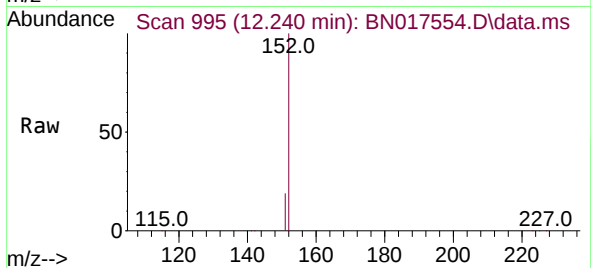
SITE-1-DRILL-CUTTINGS-20211119

Tgt Ion:152 Resp: 82503

Ion Ratio Lower Upper

152 100

151 20.7 16.2 24.4



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.486 min Scan# 1211

Delta R.T. -0.000 min

Lab File: BN017554.D

Acq: 22 Nov 2021 20:46

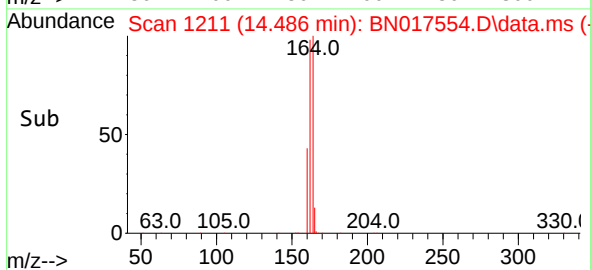
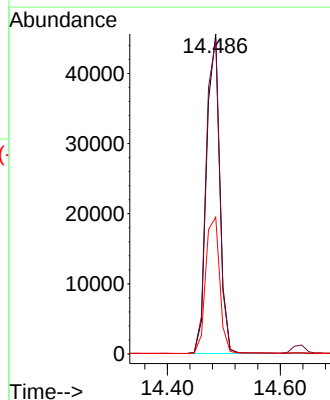
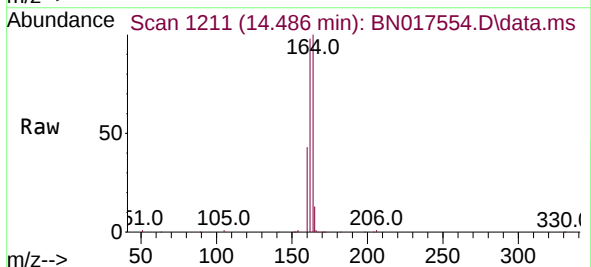
Tgt Ion:164 Resp: 73831

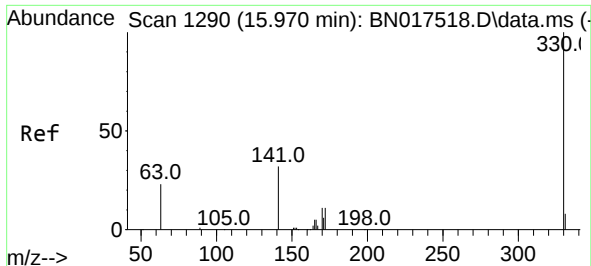
Ion Ratio Lower Upper

164 100

162 98.2 81.4 122.2

160 42.8 36.8 55.2

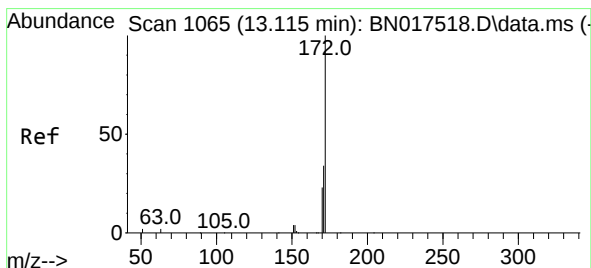
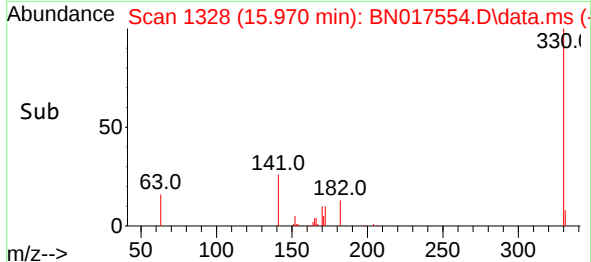
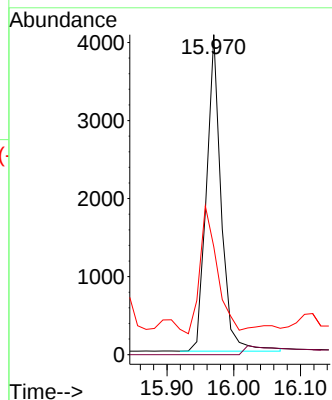
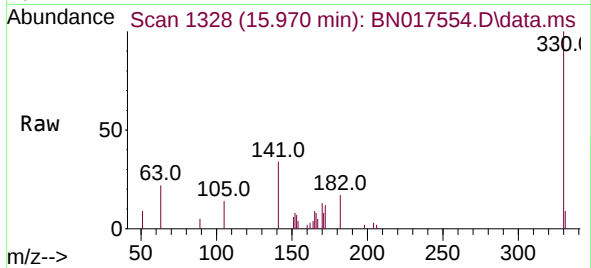




#14
 2,4,6-Tribromophenol
 Concen: 0.270 ng
 RT: 15.970 min Scan# 1103
 Delta R.T. 0.000 min
 Lab File: BN017554.D
 Acq: 22 Nov 2021 20:46

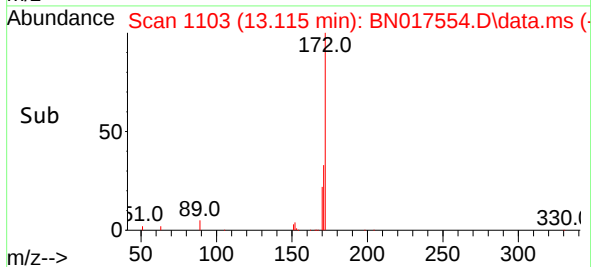
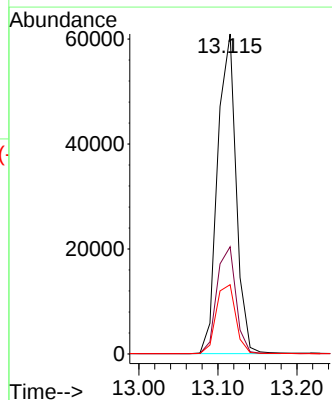
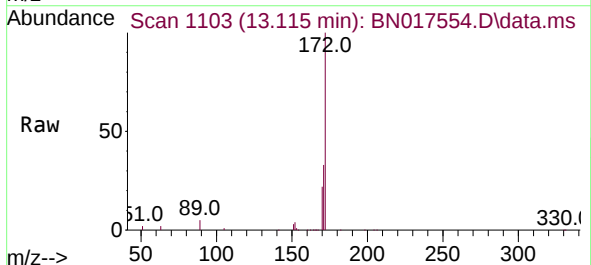
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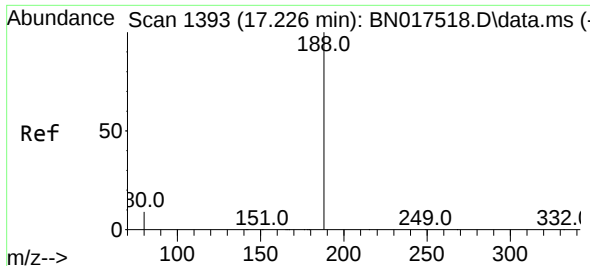
Tgt Ion: 330 Resp: 6121
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 49.2 28.9 43.3#



#15
 2-Fluorobiphenyl
 Concen: 0.361 ng
 RT: 13.115 min Scan# 1103
 Delta R.T. 0.000 min
 Lab File: BN017554.D
 Acq: 22 Nov 2021 20:46

Tgt Ion: 172 Resp: 99261
 Ion Ratio Lower Upper
 172 100
 171 33.5 28.7 43.1
 170 21.6 19.4 29.2

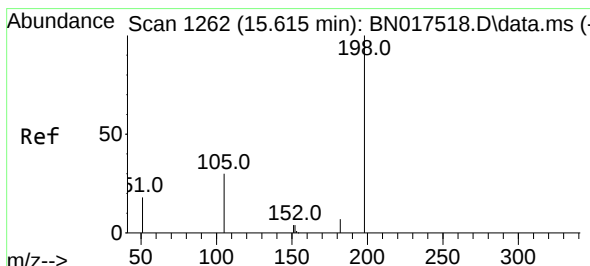
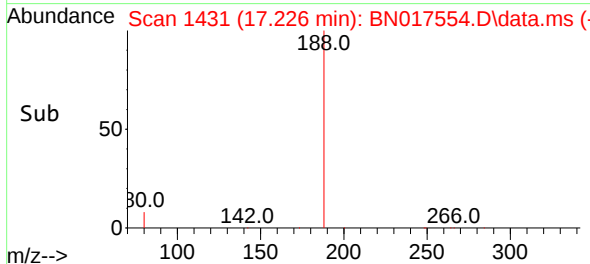
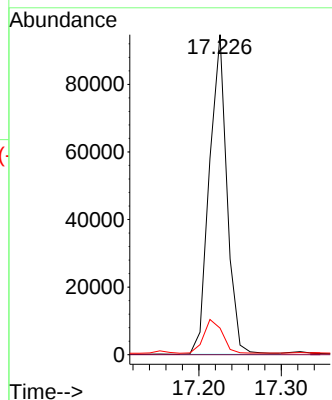
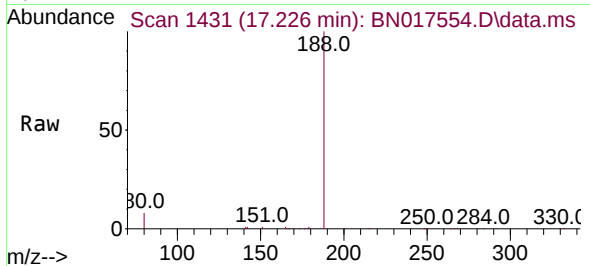




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.226 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN017554.D
Acq: 22 Nov 2021 20:46

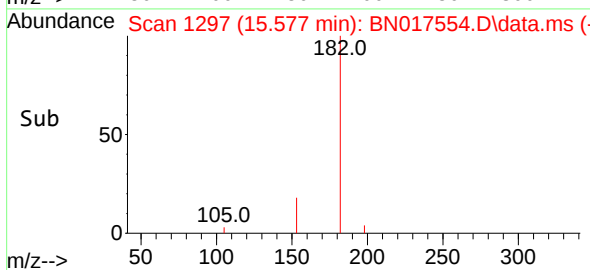
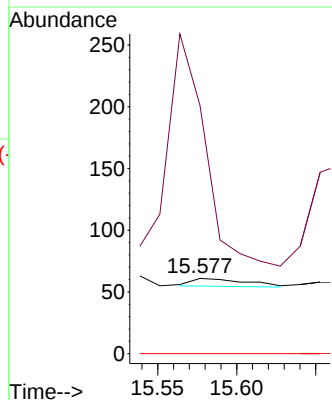
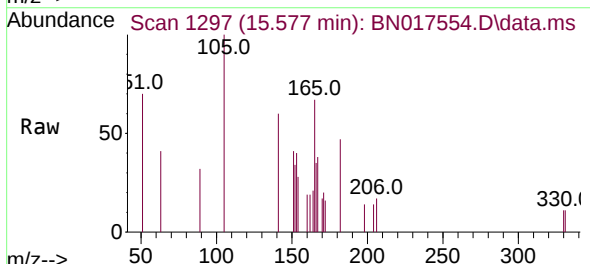
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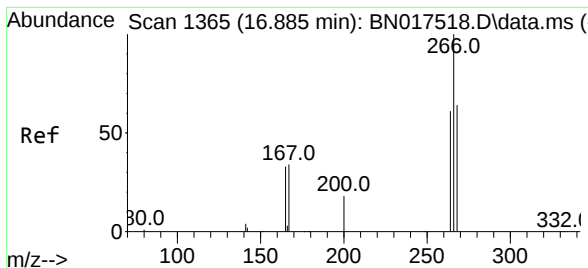
Tgt Ion:188 Resp: 140255
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.3 6.1 9.1



#20
4,6-Dinitro-2-methylphenol
Concen: 0.107 ng
RT: 15.577 min Scan# 1297
Delta R.T. -0.038 min
Lab File: BN017554.D
Acq: 22 Nov 2021 20:46

Tgt Ion:198 Resp: 15
Ion Ratio Lower Upper
198 100
182 329.5 11.4 17.2#
77 0.0 0.0 0.0





#24

Pentachlorophenol

Concen: 0.207 ng

RT: 16.885 min Scan# 1403

Delta R.T. -0.000 min

Lab File: BN017554.D

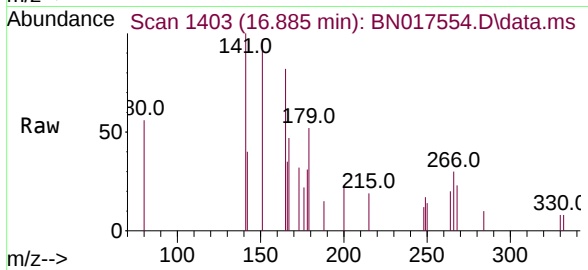
Acq: 22 Nov 2021 20:46

Instrument :

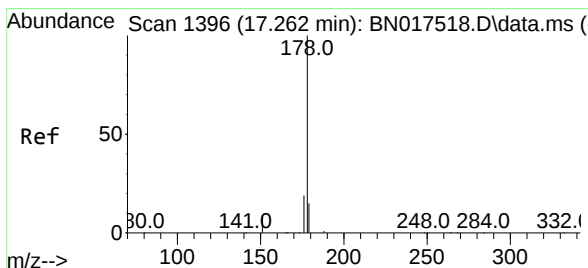
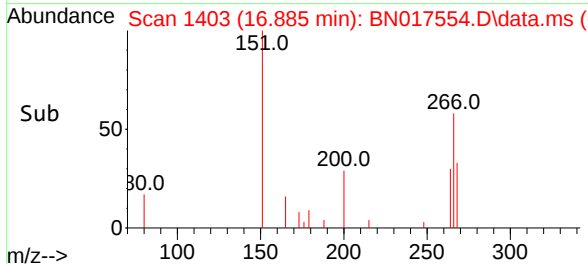
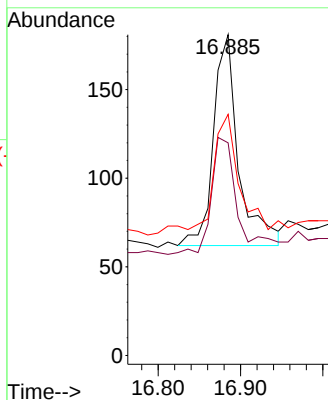
BNA_N

ClientSampleId :

SITE-1-DRILL-CUTTINGS-20211119



Tgt Ion:	266	Resp:	252
Ion Ratio	Lower	Upper	
266	100		
264	59.5	49.8	74.8
268	49.6	51.3	76.9



#25

Phenanthrene

Concen: 0.141 ng

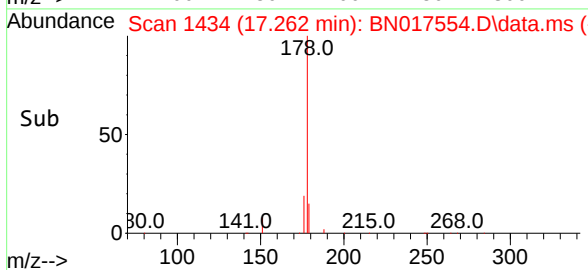
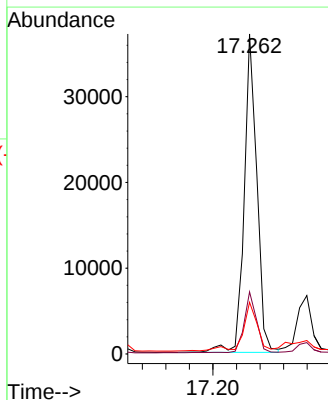
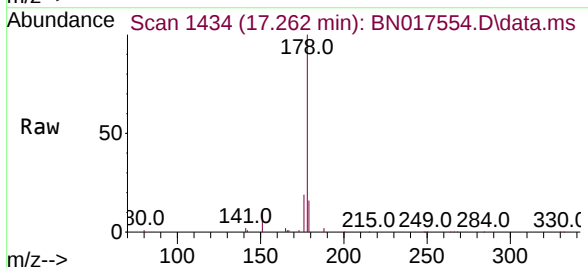
RT: 17.262 min Scan# 1434

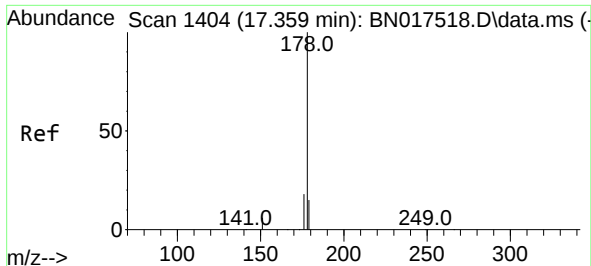
Delta R.T. 0.000 min

Lab File: BN017554.D

Acq: 22 Nov 2021 20:46

Tgt Ion:	178	Resp:	55296
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.0	22.6
179	17.5	12.3	18.5

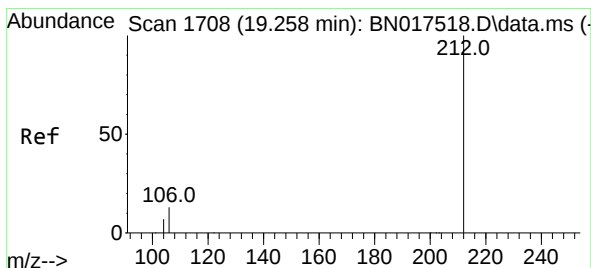
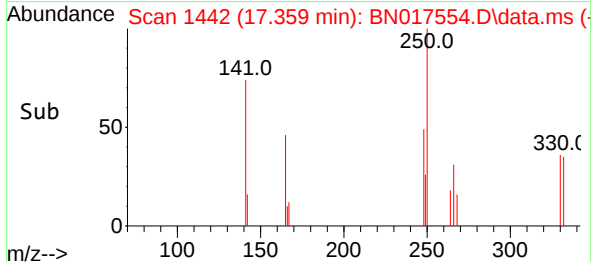
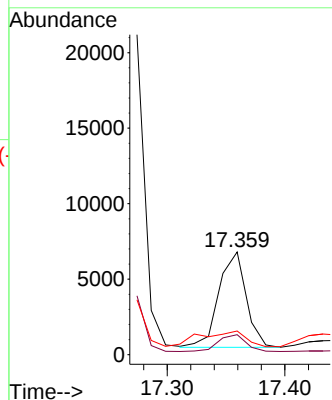
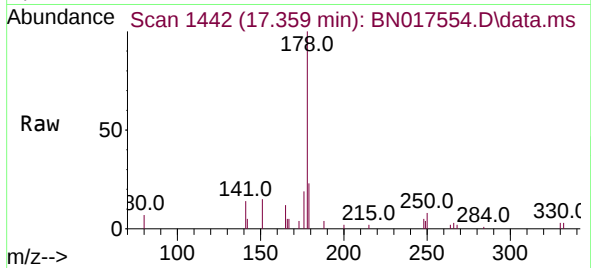




#26
 Anthracene
 Concen: 0.031 ng
 RT: 17.359 min Scan# 1404
 Delta R.T. 0.000 min
 Lab File: BN017554.D
 Acq: 22 Nov 2021 20:46

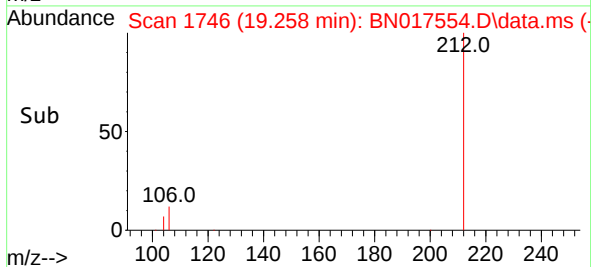
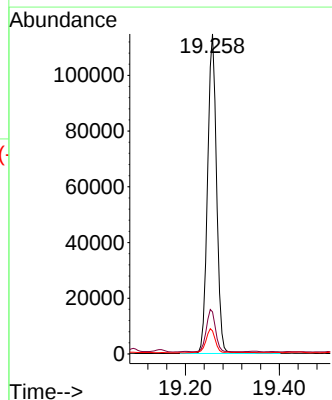
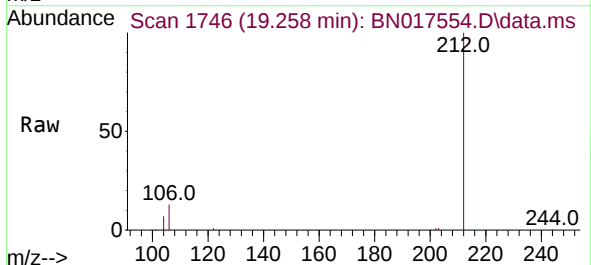
Instrument :
 BNA_N
 ClientSampleId :
 SITE-1-DRILL-CUTTINGS-20211119

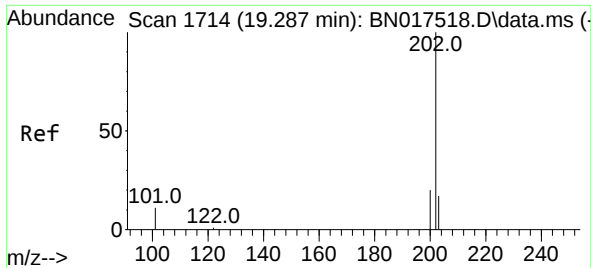
Tgt Ion:178 Resp: 10242
 Ion Ratio Lower Upper
 178 100
 176 17.9 14.6 22.0
 179 27.5 12.2 18.4#



#27
 Fluoranthene-d10
 Concen: 0.354 ng
 RT: 19.258 min Scan# 1746
 Delta R.T. -0.000 min
 Lab File: BN017554.D
 Acq: 22 Nov 2021 20:46

Tgt Ion:212 Resp: 152809
 Ion Ratio Lower Upper
 212 100
 106 13.4 10.5 15.7
 104 7.8 5.8 8.6

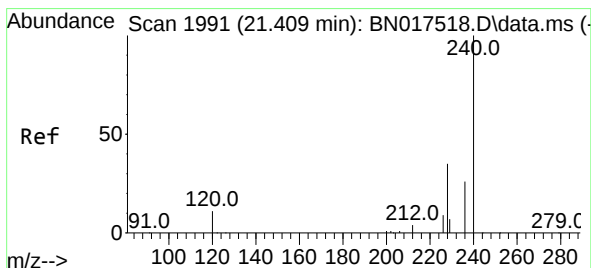
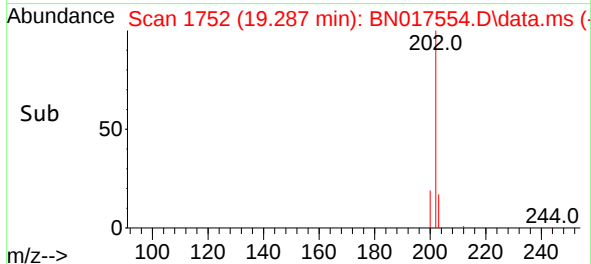
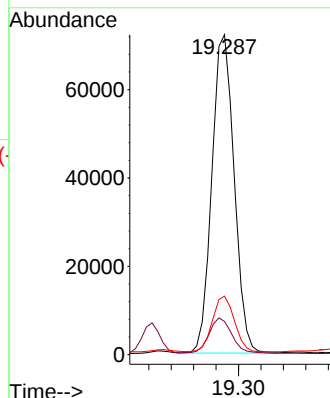
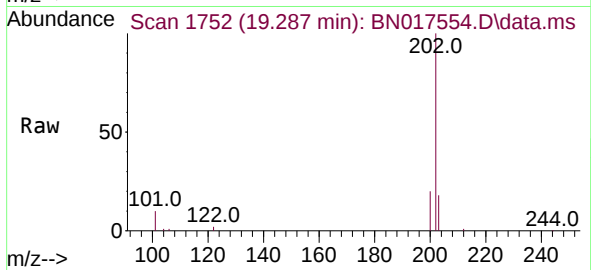




#28
Fluoranthene
Concen: 0.229 ng
RT: 19.287 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN017554.D
Acq: 22 Nov 2021 20:46

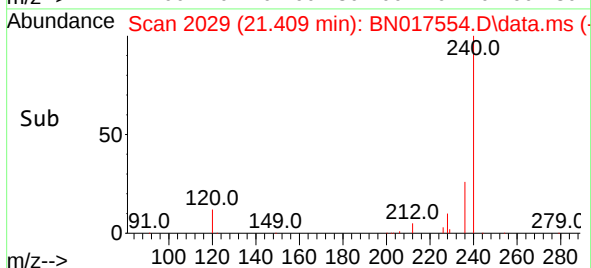
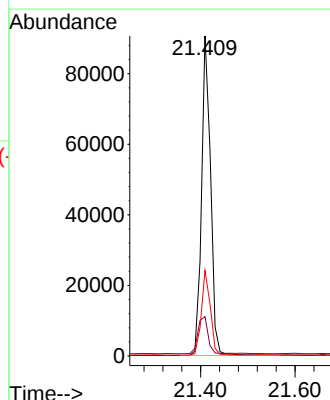
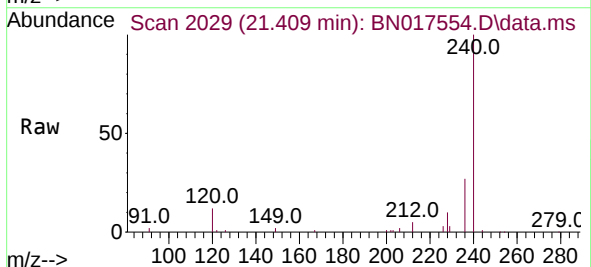
Instrument :
BNA_N
ClientSampleId :
SITE-1-DRILL-CUTTINGS-20211119

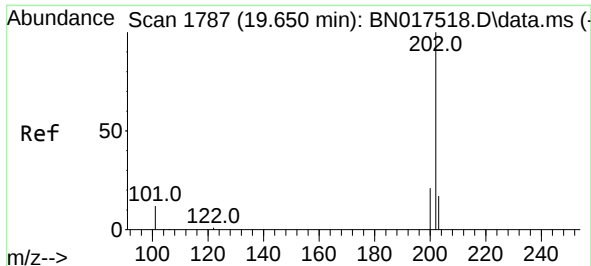
Tgt Ion:202 Resp: 99457
Ion Ratio Lower Upper
202 100
101 11.4 8.9 13.3
203 17.2 13.8 20.6



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.409 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BN017554.D
Acq: 22 Nov 2021 20:46

Tgt Ion:240 Resp: 120126
Ion Ratio Lower Upper
240 100
120 12.3 4.2 6.2#
236 26.7 20.0 30.0

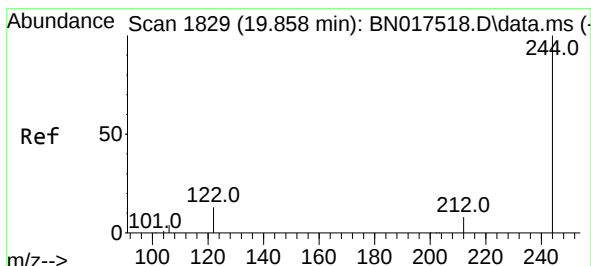
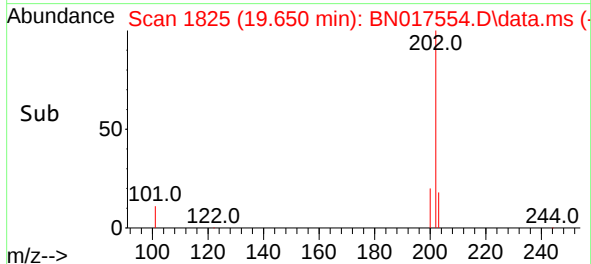
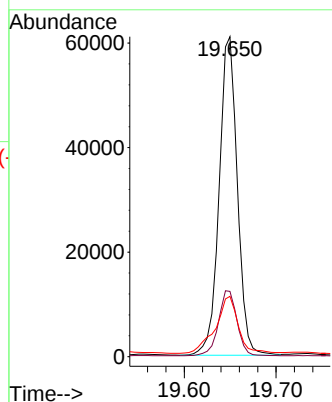
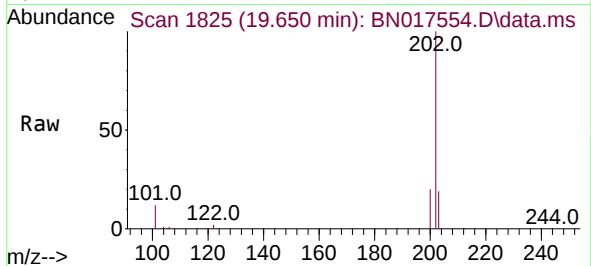




#30
 Pyrene
 Concen: 0.207 ng
 RT: 19.650 min Scan# 1866
 Delta R.T. -0.000 min
 Lab File: BN017554.D
 Acq: 22 Nov 2021 20:46

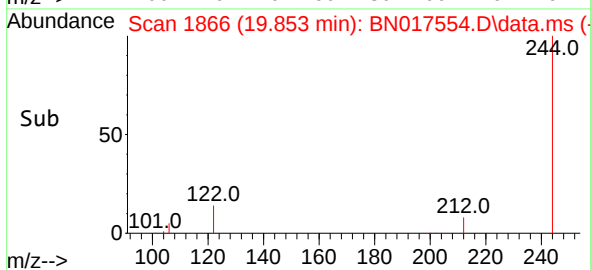
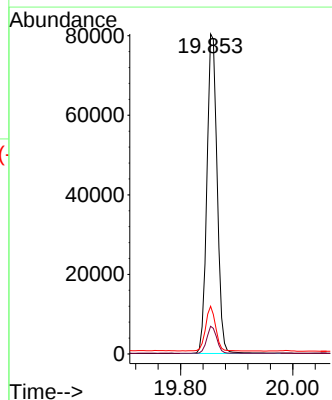
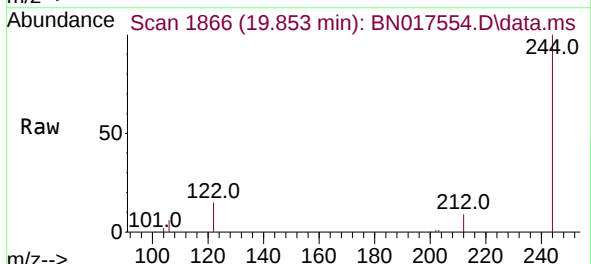
Instrument :
 BNA_N
 ClientSampleId :
 SITE-1-DRILL-CUTTINGS-20211119

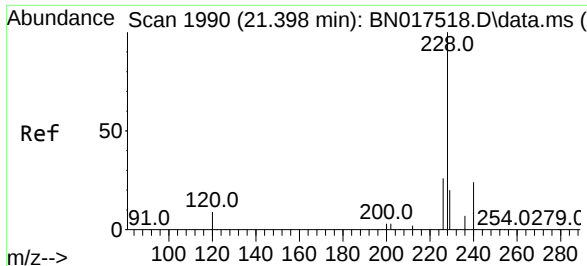
Tgt Ion:202 Resp: 84121
 Ion Ratio Lower Upper
 202 100
 200 20.7 16.5 24.7
 203 22.3 14.0 21.0#



#31
 Terphenyl-d14
 Concen: 0.383 ng
 RT: 19.853 min Scan# 1866
 Delta R.T. -0.005 min
 Lab File: BN017554.D
 Acq: 22 Nov 2021 20:46

Tgt Ion:244 Resp: 101065
 Ion Ratio Lower Upper
 244 100
 212 8.6 5.7 8.5#
 122 14.9 8.6 13.0#

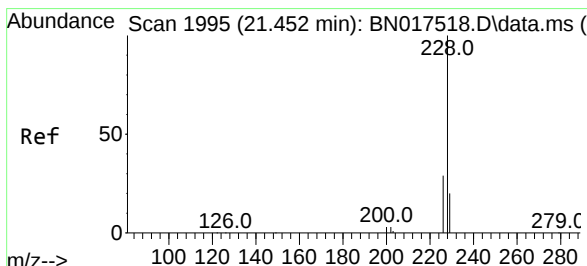
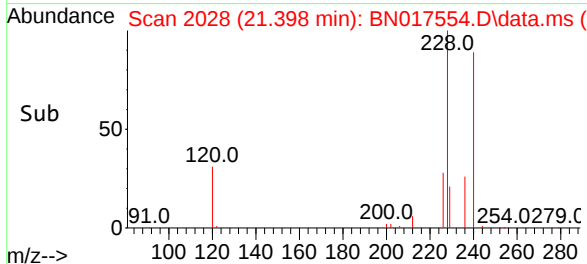
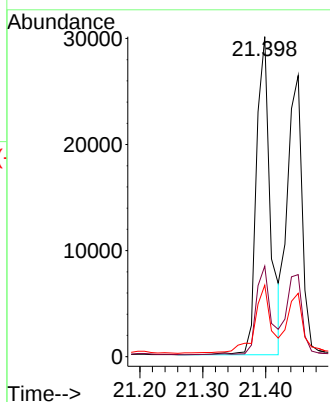
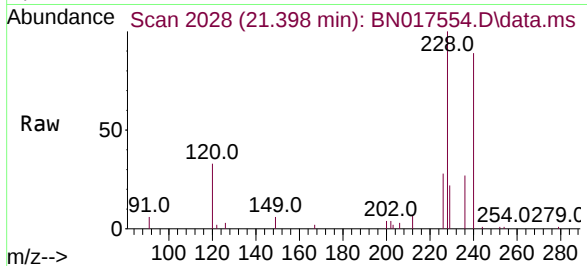




#32
Benzo(a)anthracene
Concen: 0.124 ng
RT: 21.398 min Scan# 2032
Delta R.T. 0.000 min
Lab File: BN017554.D
Acq: 22 Nov 2021 20:46

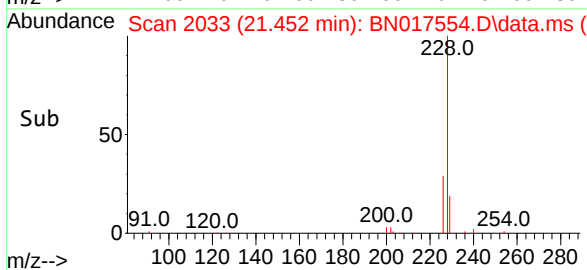
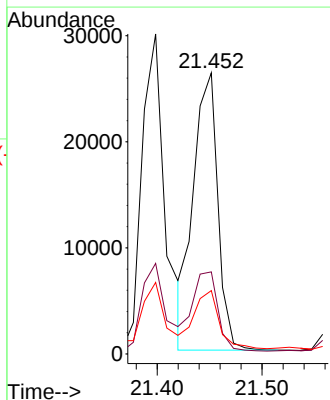
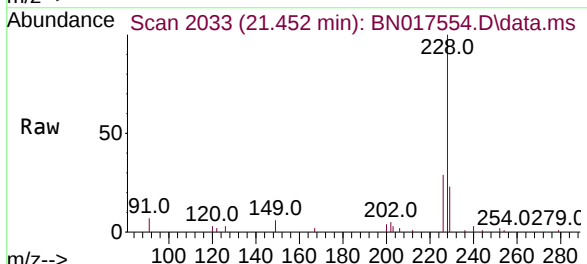
Instrument :
BNA_N
ClientSampleId :
SITE-1-DRILL-CUTTINGS-20211119

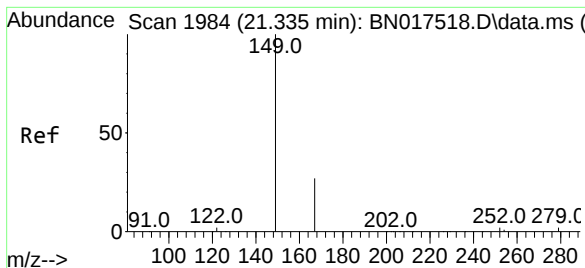
Tgt Ion:228 Resp: 46198
Ion Ratio Lower Upper
228 100
226 28.3 21.3 31.9
229 22.3 15.7 23.5



#33
Chrysene
Concen: 0.106 ng
RT: 21.452 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BN017554.D
Acq: 22 Nov 2021 20:46

Tgt Ion:228 Resp: 42280
Ion Ratio Lower Upper
228 100
226 29.2 23.3 34.9
229 22.5 15.6 23.4

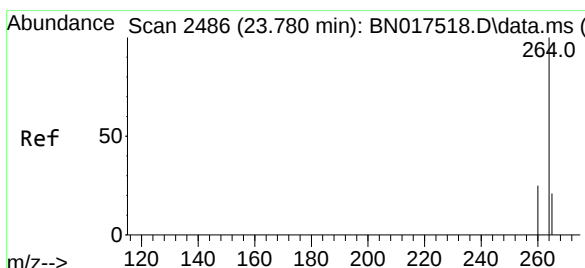
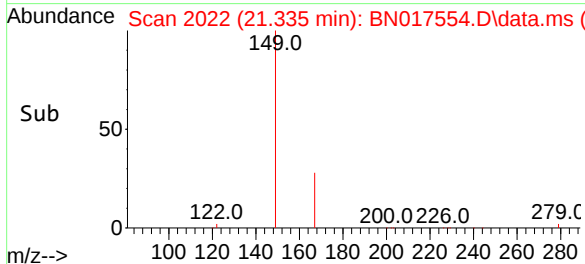
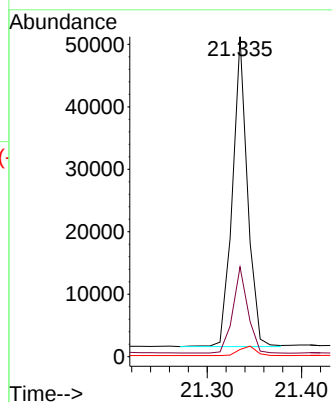
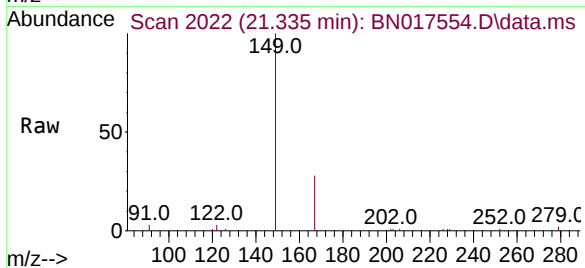




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.373 ng
RT: 21.335 min Scan# 20
Delta R.T. -0.000 min
Lab File: BN017554.D
Acq: 22 Nov 2021 20:46

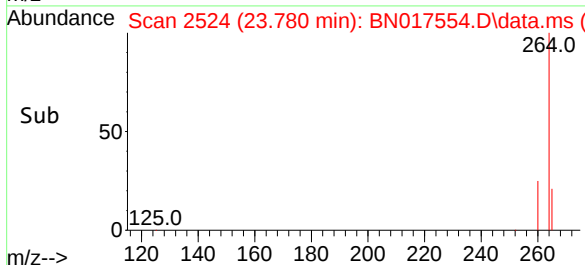
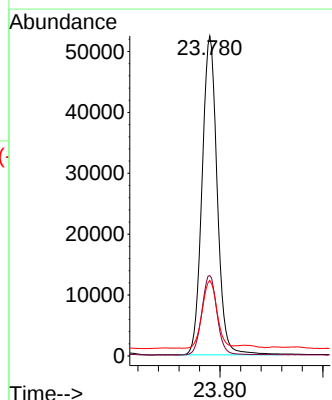
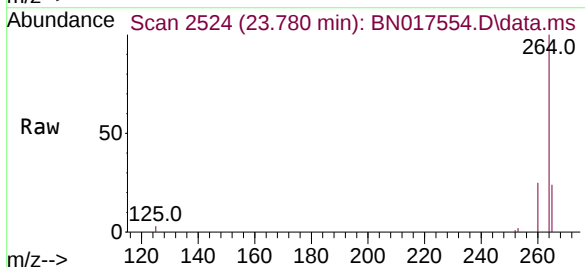
Instrument :
BNA_N
ClientSampleId :
SITE-1-DRILL-CUTTINGS-20211119

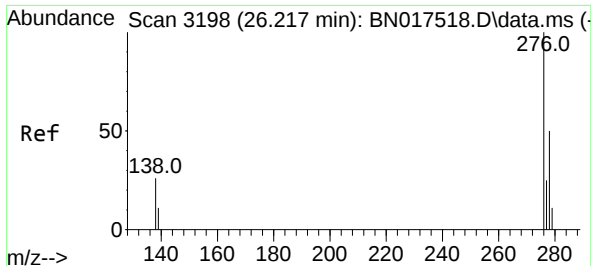
Tgt Ion:149 Resp: 54884
Ion Ratio Lower Upper
149 100
167 27.7 21.8 32.6
279 3.3 3.4 5.0#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.780 min Scan# 2524
Delta R.T. -0.000 min
Lab File: BN017554.D
Acq: 22 Nov 2021 20:46

Tgt Ion:264 Resp: 106865
Ion Ratio Lower Upper
264 100
260 25.1 19.4 29.2
265 23.6 18.6 28.0

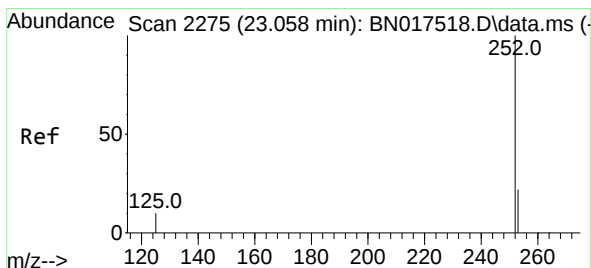
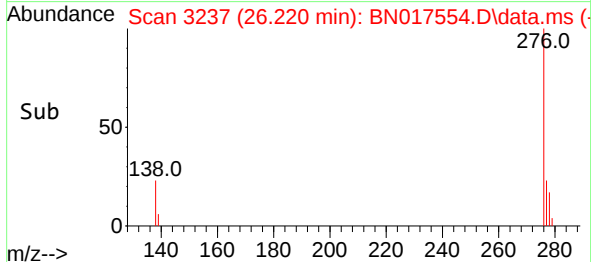
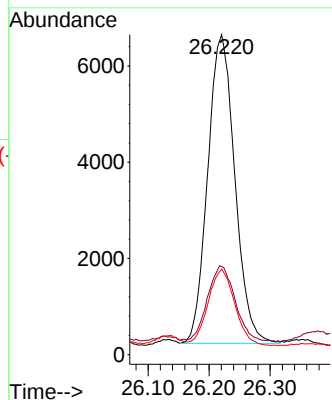
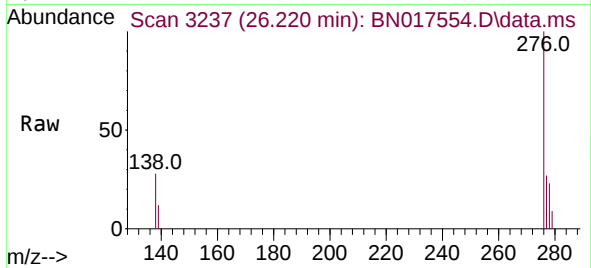




#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.061 ng
 RT: 26.220 min Scan# 3198
 Delta R.T. 0.003 min
 Lab File: BN017554.D
 Acq: 22 Nov 2021 20:46

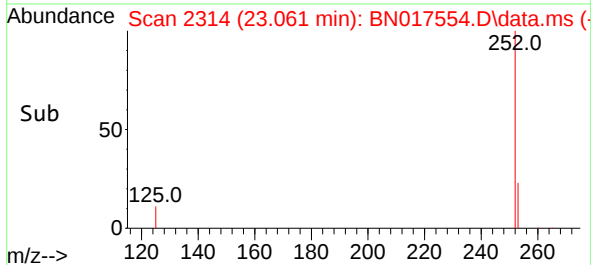
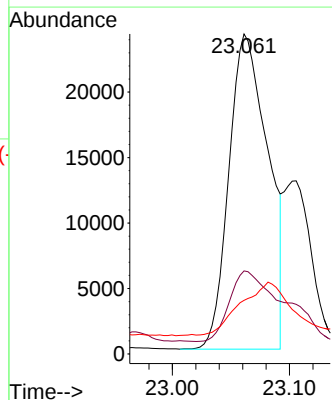
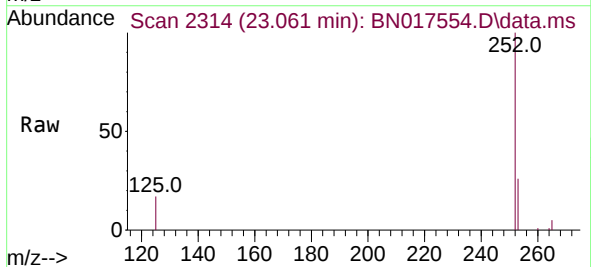
Instrument :
 BNA_N
 ClientSampleId :
 SITE-1-DRILL-CUTTINGS-20211119

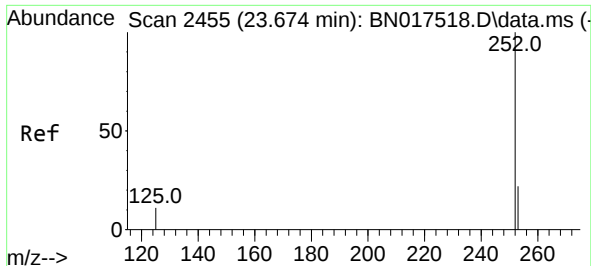
Tgt Ion: 276 Resp: 19835
 Ion Ratio Lower Upper
 276 100
 138 25.1 19.7 29.5
 277 24.2 20.0 30.0



#37
 Benzo(b)fluoranthene
 Concen: 0.144 ng
 RT: 23.061 min Scan# 2314
 Delta R.T. 0.003 min
 Lab File: BN017554.D
 Acq: 22 Nov 2021 20:46

Tgt Ion: 252 Resp: 55861
 Ion Ratio Lower Upper
 252 100
 253 26.0 17.7 26.5
 125 16.7 7.8 11.8#

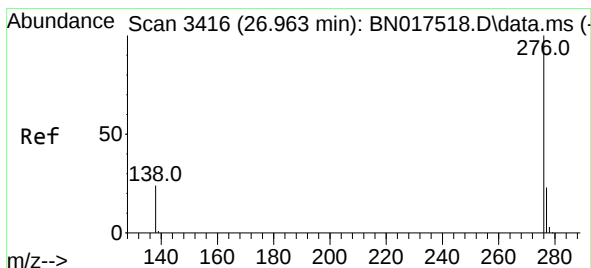
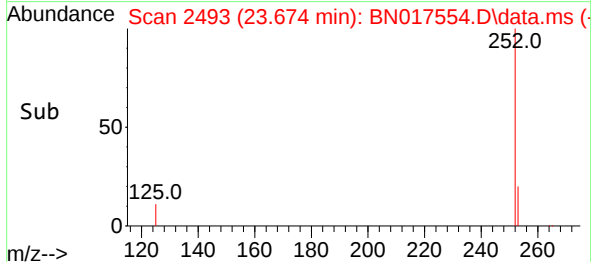
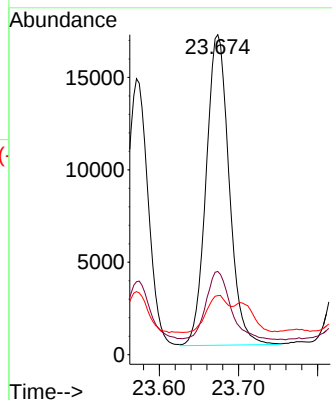
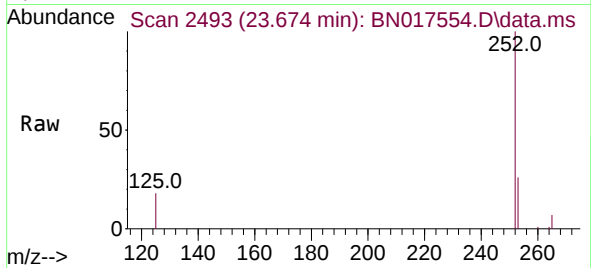




#39
Benzo(a)pyrene
Concen: 0.106 ng
RT: 23.674 min Scan# 2455
Delta R.T. -0.000 min
Lab File: BN017554.D
Acq: 22 Nov 2021 20:46

Instrument :
BNA_N
ClientSampleId :
SITE-1-DRILL-CUTTINGS-20211119

Tgt Ion:252 Resp: 33956
Ion Ratio Lower Upper
252 100
253 26.0 17.9 26.9
125 18.4 9.2 13.8#



#41
Benzo(g,h,i)perylene
Concen: 0.073 ng
RT: 26.970 min Scan# 3456
Delta R.T. 0.007 min
Lab File: BN017554.D
Acq: 22 Nov 2021 20:46

Tgt Ion:276 Resp: 20407
Ion Ratio Lower Upper
276 100
277 25.3 19.0 28.4
138 26.9 17.1 25.7#

