

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111621\
 Data File : BN017475.D
 Acq On : 16 Nov 2021 15:47
 Operator : CG/JU
 Sample : M4386-12
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOIL

Quant Time: Nov 16 16:17:18 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN111621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 16 14:06:59 2021
 Response via : Initial Calibration

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

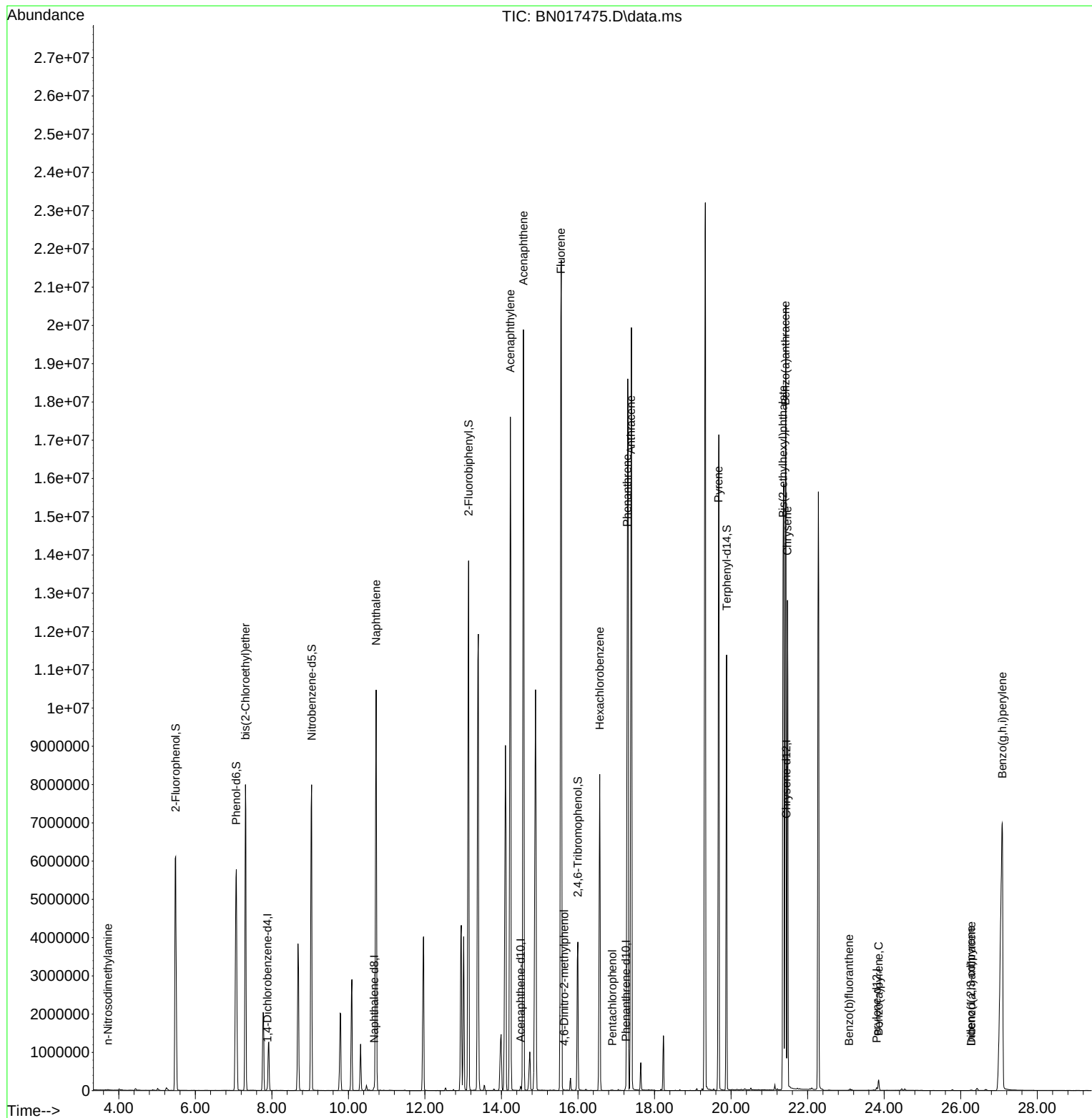
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.883	152	25734	0.400	ng	# 0.00
7) Naphthalene-d8	10.674	136	114782	0.400	ng	# 0.01
13) Acenaphthene-d10	14.498	164	63688	0.400	ng	0.00
19) Phenanthrene-d10	17.250	188	118720	0.400	ng	0.01
29) Chrysene-d12	21.441	240	82696	0.400	ng	# 0.02
35) Perylene-d12	23.804	264	94932	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.486	112	7243996	118.267	ng	0.04
5) Phenol-d6	7.072	99	8046936	122.091	ng	0.04
8) Nitrobenzene-d5	9.039	82	7428827	104.411	ng	0.03
11) 2-Methylnaphthalene-d10	12.257	152	213	0.001	ng	0.00
14) 2,4,6-Tribromophenol	15.995	330	3448089	213.165	ng	0.01
15) 2-Fluorobiphenyl	13.141	172	14463224	60.213	ng	0.01
27) Fluoranthene-d10	19.317	212	242	0.001	ng	0.05
31) Terphenyl-d14	19.883	244	13304432	65.525	ng	0.01
Target Compounds						
						Qvalue
3) n-Nitrosodimethylamine	3.716	42	3139	0.146	ng	# 1
6) bis(2-Chloroethyl)ether	7.312	93	7057133	99.945	ng	97
9) Naphthalene	10.725	128	15215208	52.745	ng	97
16) Acenaphthylene	14.232	152	22468926	94.693	ng	# 88
17) Acenaphthene	14.574	154	13564201	78.796	ng	94
18) Fluorene	15.551	166	9240818	46.711	ng	97
20) 4,6-Dinitro-2-methylph...	15.640	198	814	0.297	ng	# 11
22) Hexachlorobenzene	16.568	284	8312936	109.390	ng	95
24) Pentachlorophenol	16.897	266	990	0.139	ng	98
25) Phenanthrene	17.286	178	23273097	71.330	ng	# 83
26) Anthracene	17.384	178	23133075	85.469	ng	# 85
30) Pyrene	19.670	202	17038659	57.343	ng	# 90
32) Benzo(a)anthracene	21.420	228	18788221	73.384	ng	# 81
33) Chrysene	21.473	228	11864630	45.064	ng	95
34) Bis(2-ethylhexyl)phtha...	21.356	149	20514063	153.295	ng	# 77
36) Indeno(1,2,3-cd)pyrene	26.265	276	13407	0.061	ng	# 42
37) Benzo(b)fluoranthene	23.082	252	9291	0.026	ng	# 1
39) Benzo(a)pyrene	23.855	252	393311	1.422	ng	# 96
40) Dibenzo(a,h)anthracene	26.279	278	10327	0.062	ng	# 1
41) Benzo(g,h,i)perylene	27.086	276	21438031	104.022	ng	99

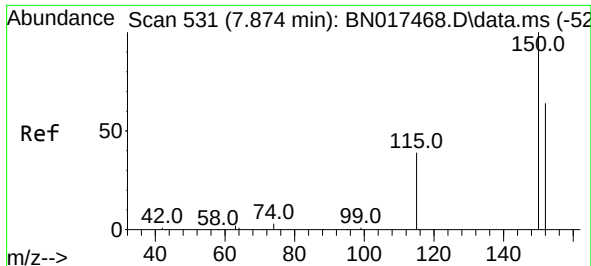
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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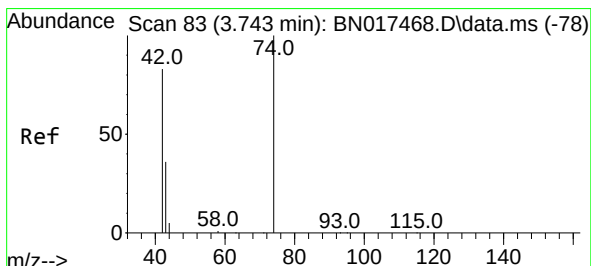
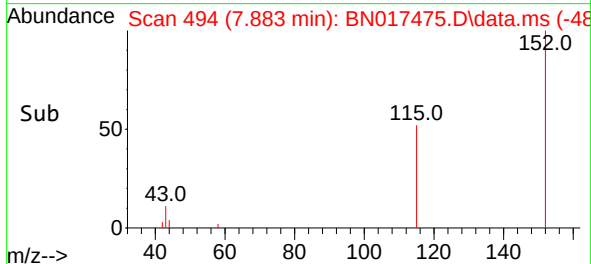
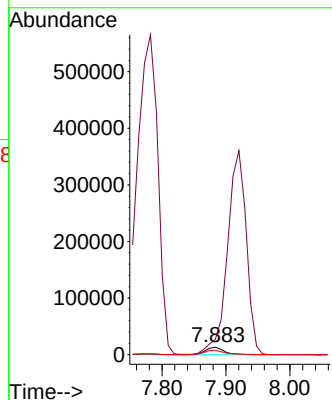
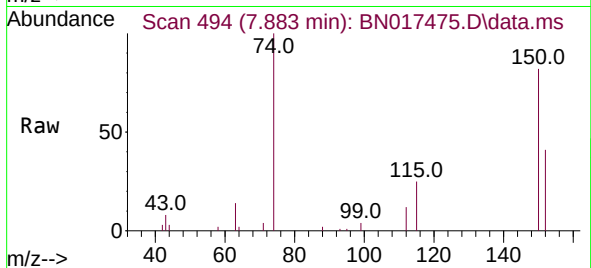




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.883 min Scan# 49
Delta R.T. 0.009 min
Lab File: BN017475.D
Acq: 16 Nov 2021 15:47

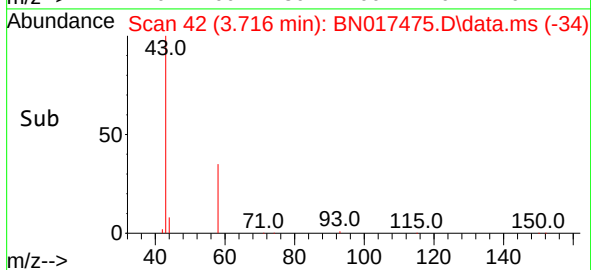
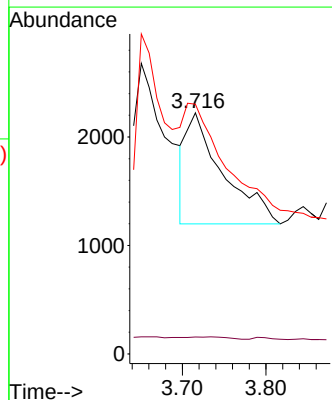
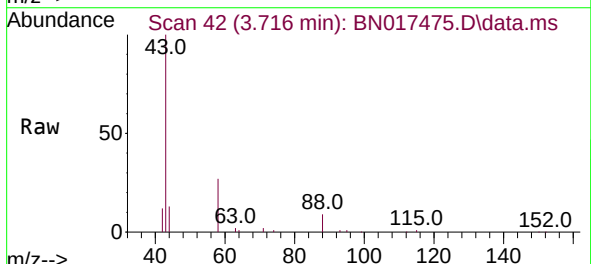
Instrument :
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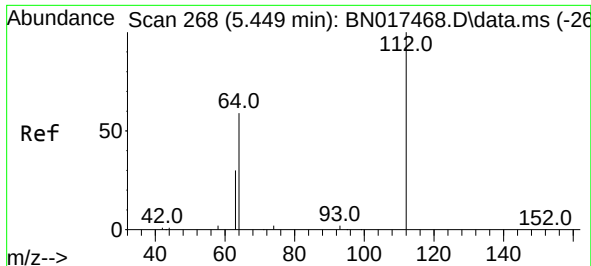
Tgt Ion:152 Resp: 25734
Ion Ratio Lower Upper
152 100
150 200.6 123.0 184.4#
115 59.8 45.6 68.4



#3
n-Nitrosodimethylamine
Concen: 0.146 ng
RT: 3.716 min Scan# 42
Delta R.T. -0.028 min
Lab File: BN017475.D
Acq: 16 Nov 2021 15:47

Tgt Ion: 42 Resp: 3139
Ion Ratio Lower Upper
42 100
74 0.0 97.8 146.6#
44 104.1 5.5 8.3#

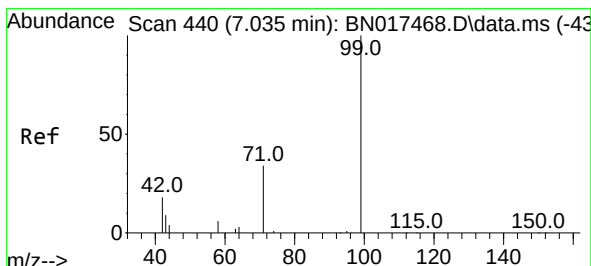
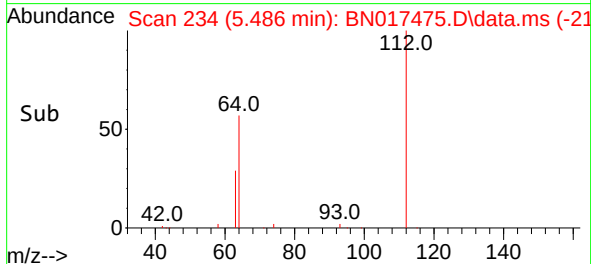
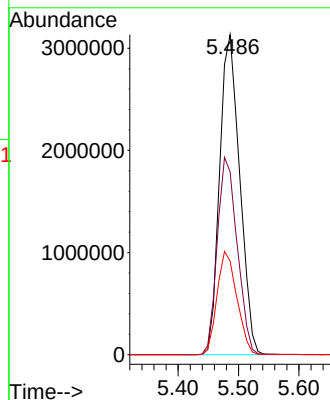
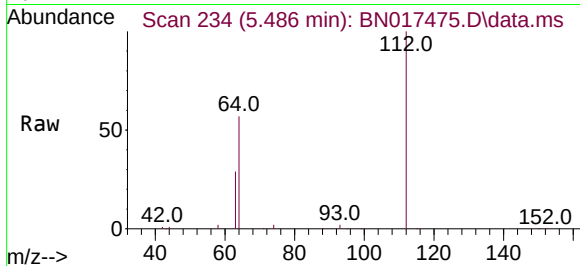




#4
2-Fluorophenol
Concen: 118.267 ng
RT: 5.486 min Scan# 21
Delta R.T. 0.037 min
Lab File: BN017475.D
Acq: 16 Nov 2021 15:47

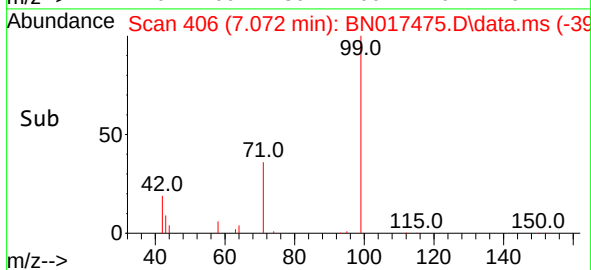
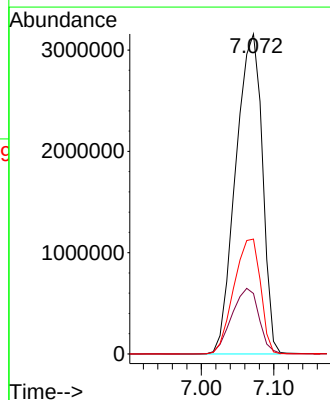
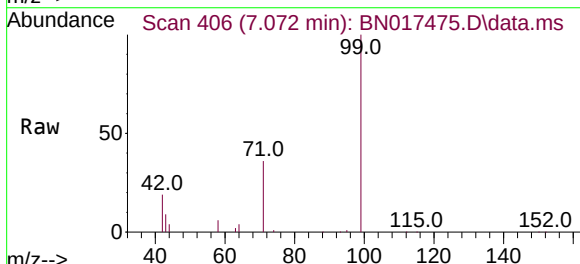
Instrument :
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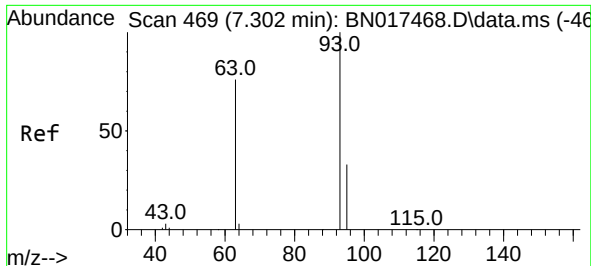
Tgt Ion:112 Resp: 7243996
Ion Ratio Lower Upper
112 100
64 61.2 47.6 71.4
63 31.8 24.6 37.0



#5
Phenol-d6
Concen: 122.091 ng
RT: 7.072 min Scan# 406
Delta R.T. 0.037 min
Lab File: BN017475.D
Acq: 16 Nov 2021 15:47

Tgt Ion: 99 Resp: 8046936
Ion Ratio Lower Upper
99 100
42 21.0 17.0 25.6
71 36.0 24.8 37.2

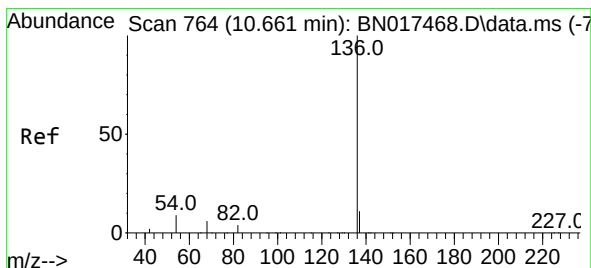
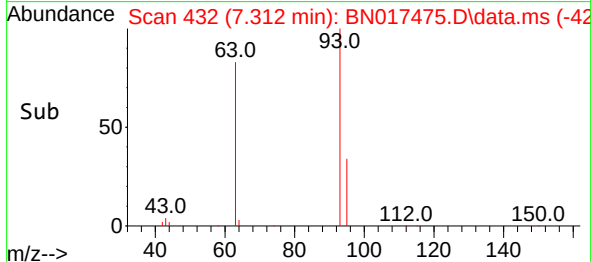
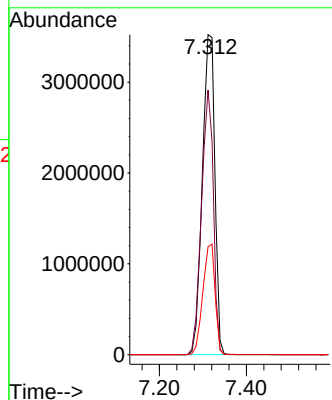
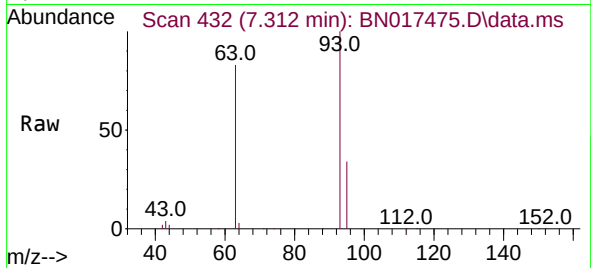




#6
bis(2-Chloroethyl)ether
Concen: 99.945 ng
RT: 7.312 min Scan# 41
Delta R.T. 0.009 min
Lab File: BN017475.D
Acq: 16 Nov 2021 15:47

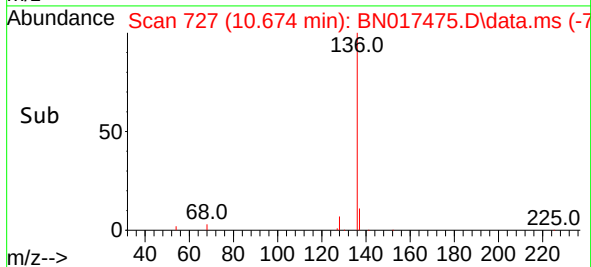
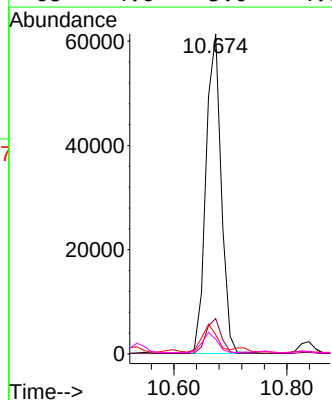
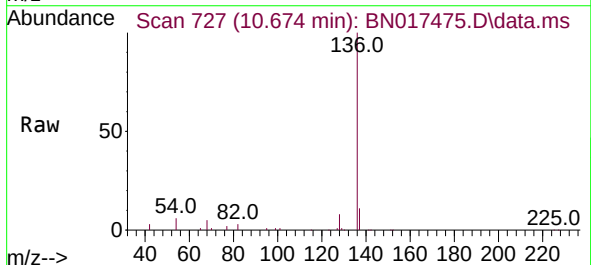
Instrument :
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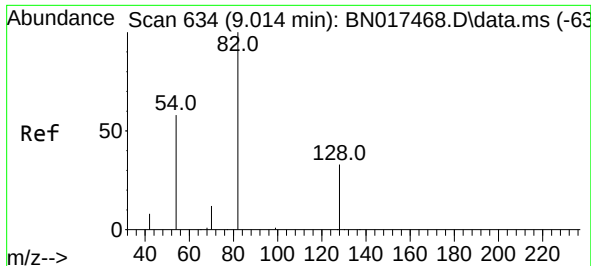
Tgt Ion: 93 Resp: 7057133
Ion Ratio Lower Upper
93 100
63 78.3 65.8 98.6
95 33.8 26.6 39.8



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.674 min Scan# 727
Delta R.T. 0.013 min
Lab File: BN017475.D
Acq: 16 Nov 2021 15:47

Tgt Ion: 136 Resp: 114782
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 6.0 4.0 6.0
68 4.6 3.0 4.6#

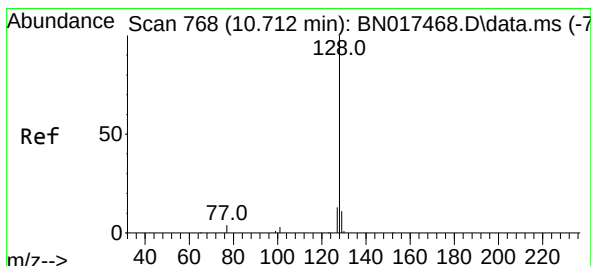
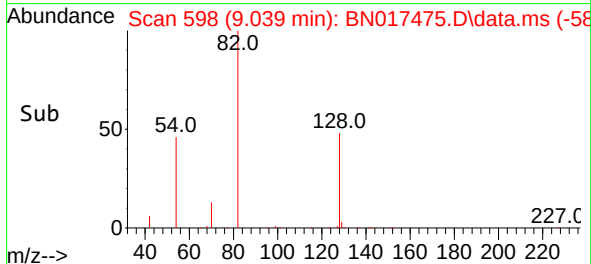
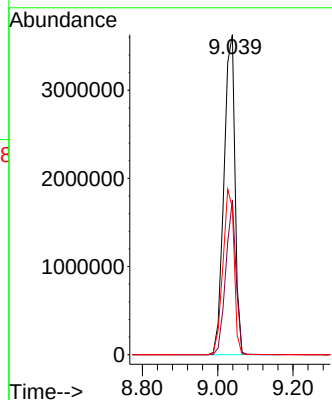
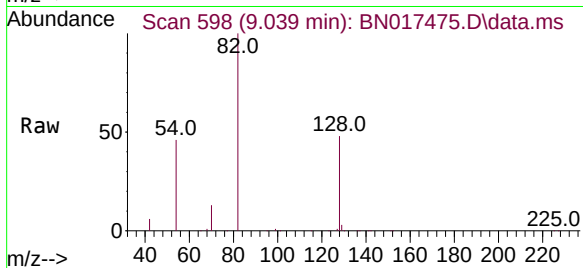




#8
Nitrobenzene-d5
Concen: 104.411 ng
RT: 9.039 min Scan# 51
Delta R.T. 0.025 min
Lab File: BN017475.D
Acq: 16 Nov 2021 15:47

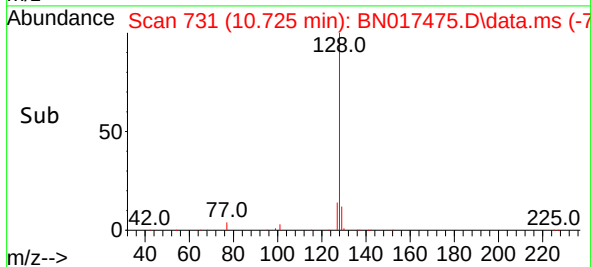
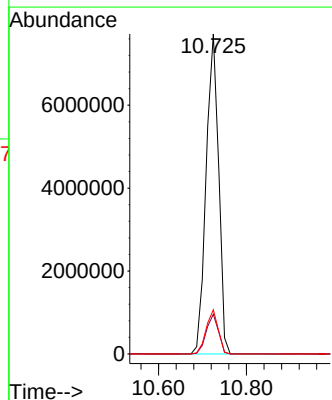
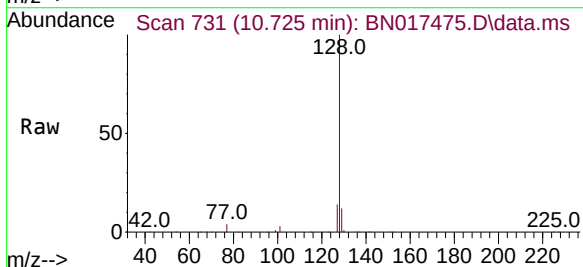
Instrument :
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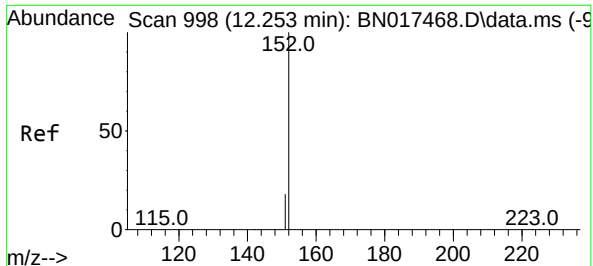
Tgt Ion: 82 Resp: 7428827
Ion Ratio Lower Upper
82 100
128 48.3 27.7 41.5#
54 45.9 49.2 73.8#



#9
Naphthalene
Concen: 52.745 ng
RT: 10.725 min Scan# 731
Delta R.T. 0.013 min
Lab File: BN017475.D
Acq: 16 Nov 2021 15:47

Tgt Ion: 128 Resp: 15215208
Ion Ratio Lower Upper
128 100
129 12.4 8.8 13.2
127 13.8 10.6 15.8





#11

2-Methylnaphthalene-d10

Concen: 0.001 ng

RT: 12.257 min Scan# 9

Delta R.T. 0.004 min

Lab File: BN017475.D

Acq: 16 Nov 2021 15:47

Instrument :

BNA_N

ClientSampleId :

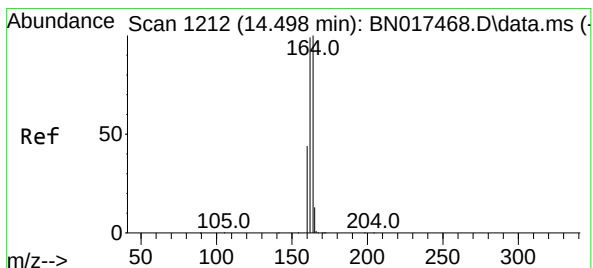
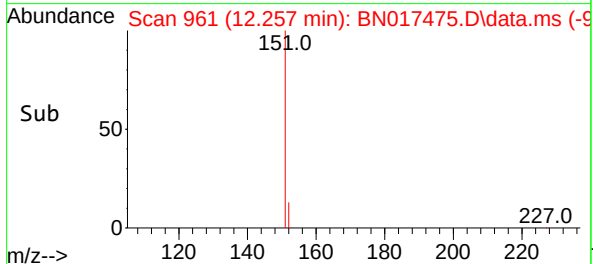
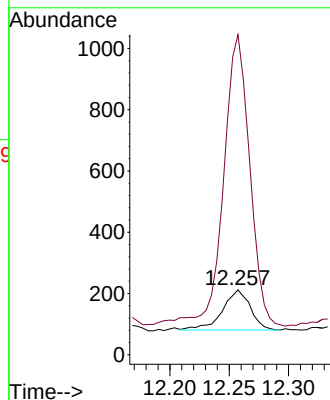
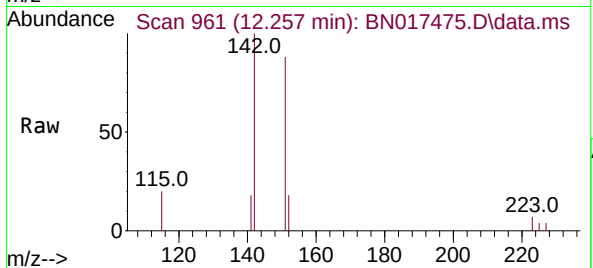
PT-BNA-SOIL

Tgt Ion:152 Resp: 213

Ion Ratio Lower Upper

152 100

151 696.2 16.2 24.4#



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.498 min Scan# 1174

Delta R.T. 0.000 min

Lab File: BN017475.D

Acq: 16 Nov 2021 15:47

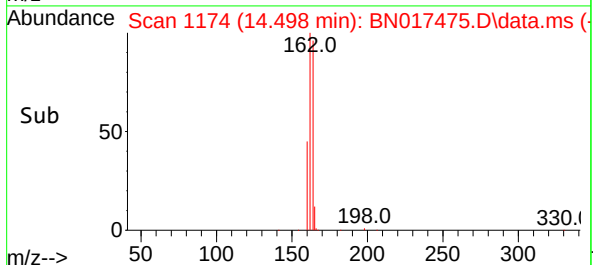
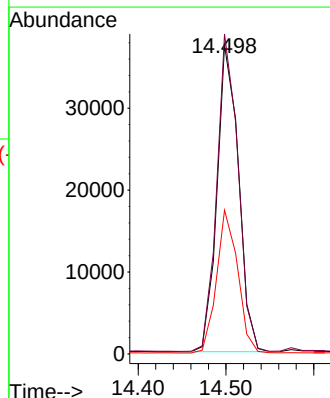
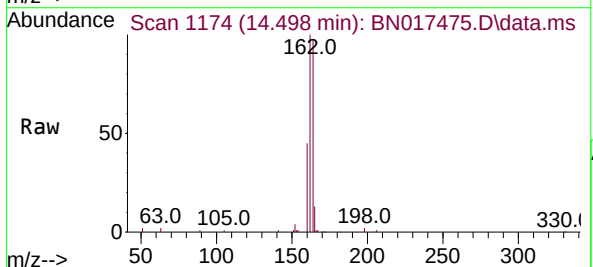
Tgt Ion:164 Resp: 63688

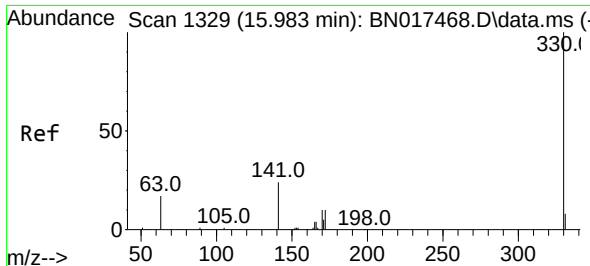
Ion Ratio Lower Upper

164 100

162 103.6 81.4 122.2

160 46.6 36.8 55.2

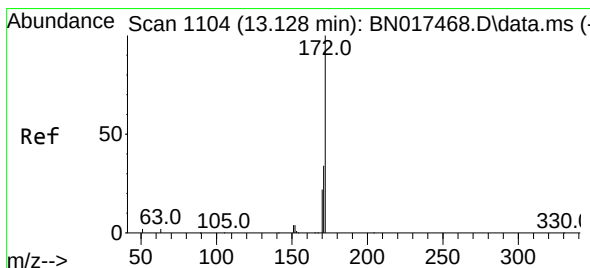
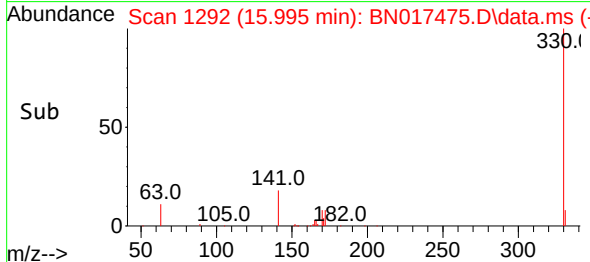
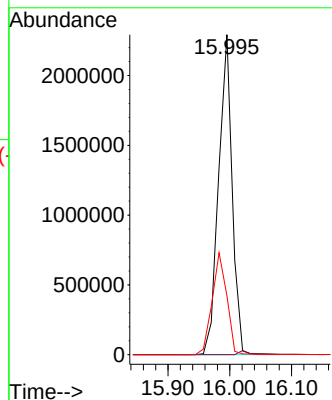
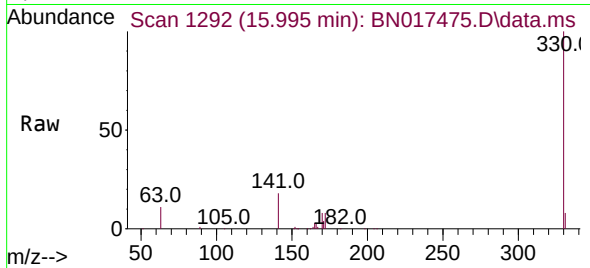




#14
2,4,6-Tribromophenol
Concen: 213.165 ng
RT: 15.995 min Scan# 11
Delta R.T. 0.013 min
Lab File: BN017475.D
Acq: 16 Nov 2021 15:47

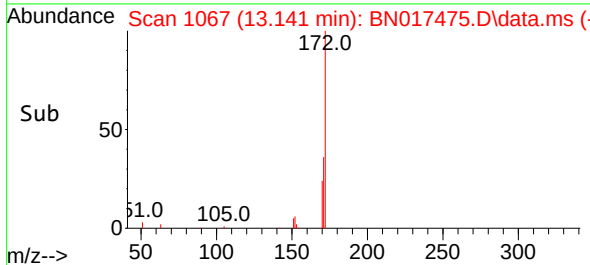
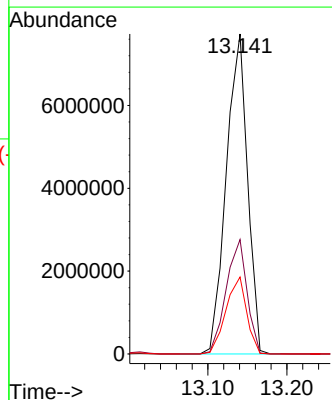
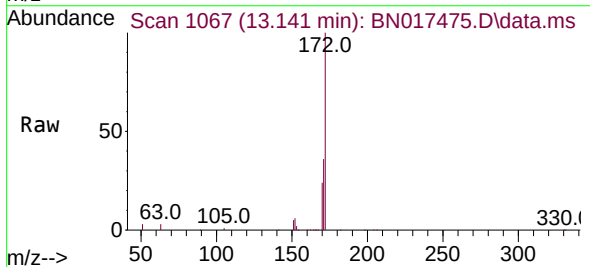
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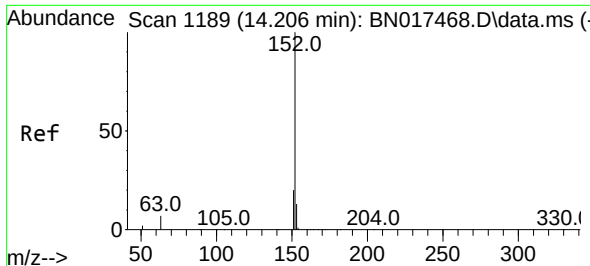
Tgt Ion:330 Resp: 3448089
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 34.3 28.9 43.3



#15
2-Fluorobiphenyl
Concen: 60.213 ng
RT: 13.141 min Scan# 1067
Delta R.T. 0.013 min
Lab File: BN017475.D
Acq: 16 Nov 2021 15:47

Tgt Ion:172 Resp:14463224
Ion Ratio Lower Upper
172 100
171 35.7 28.7 43.1
170 24.0 19.4 29.2

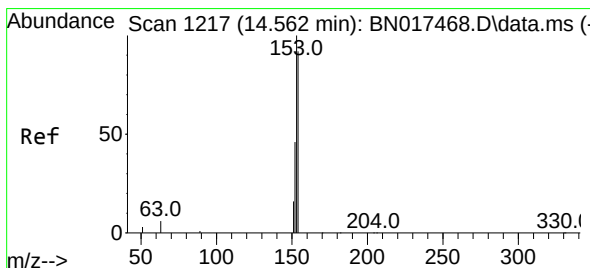
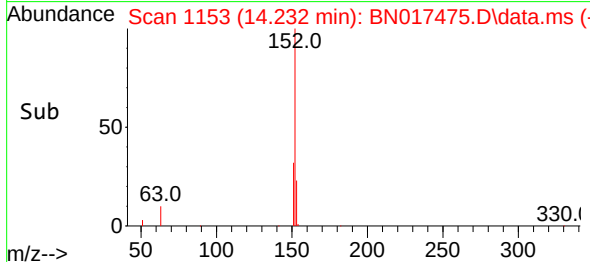
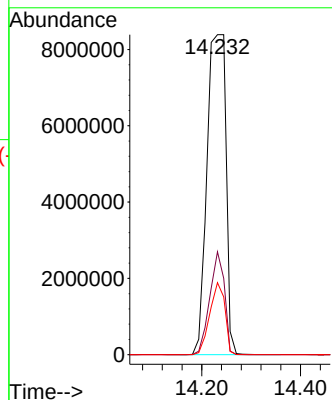
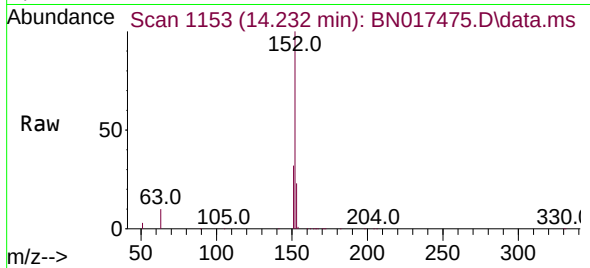




#16
Acenaphthylene
Concen: 94.693 ng
RT: 14.232 min Scan# 1189
Delta R.T. 0.025 min
Lab File: BN017475.D
Acq: 16 Nov 2021 15:47

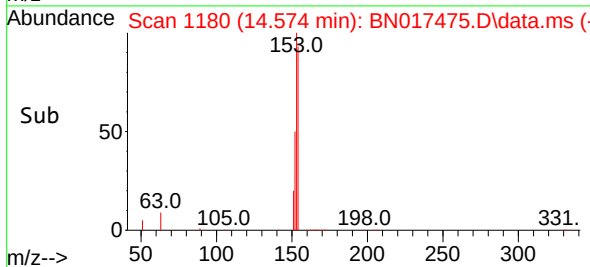
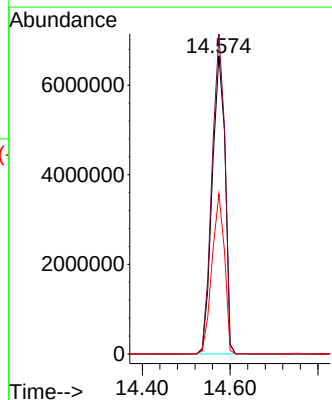
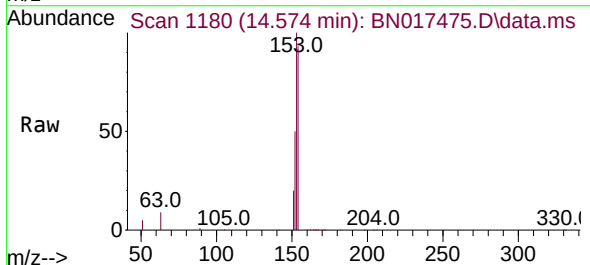
Instrument :
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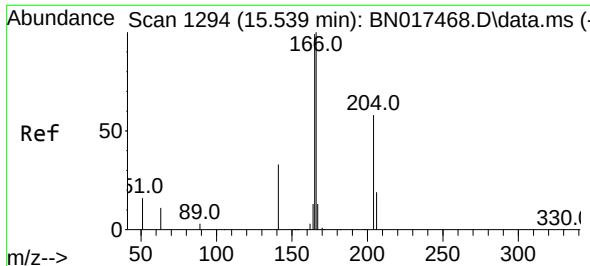
Tgt Ion:152 Resp:22468926
Ion Ratio Lower Upper
152 100
151 24.9 15.5 23.3#
153 17.9 10.4 15.6#



#17
Acenaphthene
Concen: 78.796 ng
RT: 14.574 min Scan# 1180
Delta R.T. 0.013 min
Lab File: BN017475.D
Acq: 16 Nov 2021 15:47

Tgt Ion:154 Resp:13564201
Ion Ratio Lower Upper
154 100
153 106.8 91.2 136.8
152 51.9 44.3 66.5

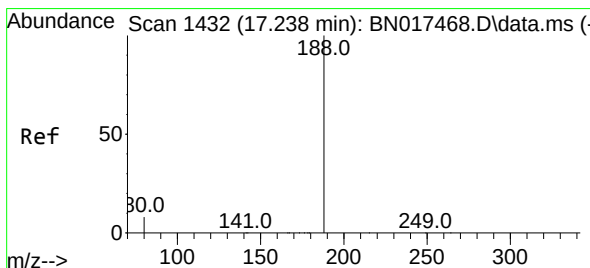
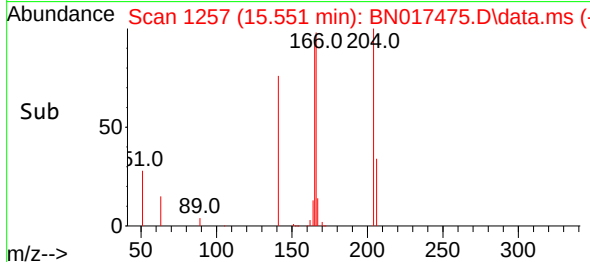
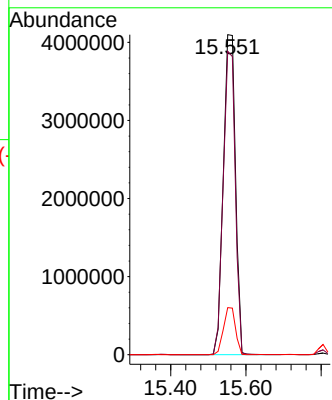
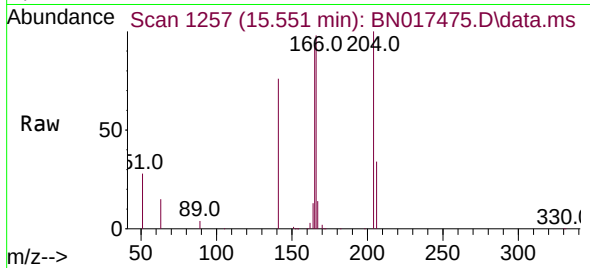




#18
Fluorene
Concen: 46.711 ng
RT: 15.551 min Scan# 1395
Delta R.T. 0.013 min
Lab File: BN017475.D
Acq: 16 Nov 2021 15:47

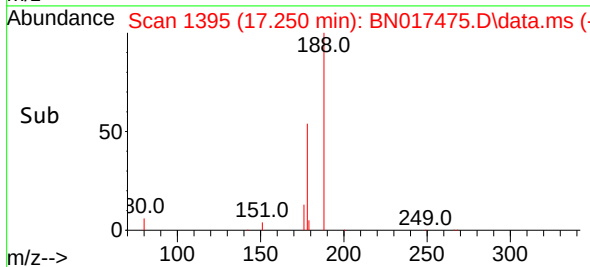
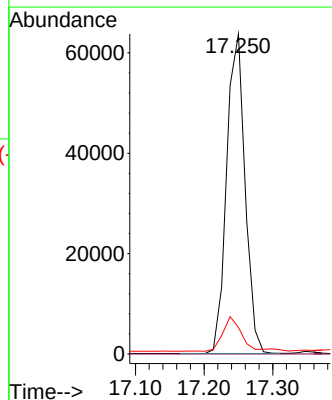
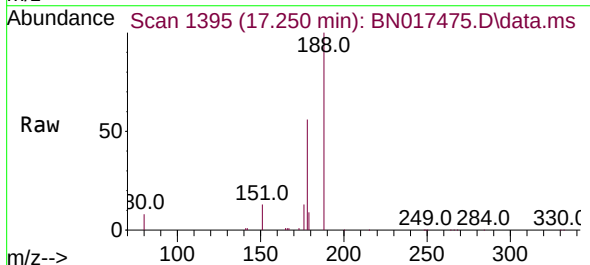
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

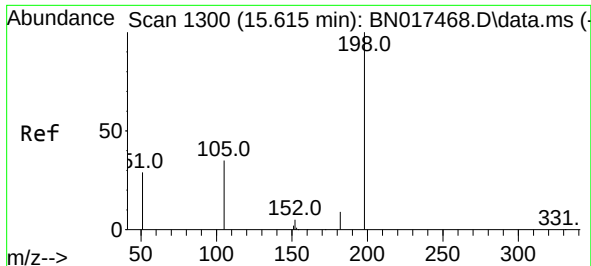
Tgt Ion:166 Resp: 9240818
Ion Ratio Lower Upper
166 100
165 94.4 77.9 116.9
167 14.5 10.9 16.3



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.250 min Scan# 1395
Delta R.T. 0.012 min
Lab File: BN017475.D
Acq: 16 Nov 2021 15:47

Tgt Ion:188 Resp: 118720
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.3 6.1 9.1

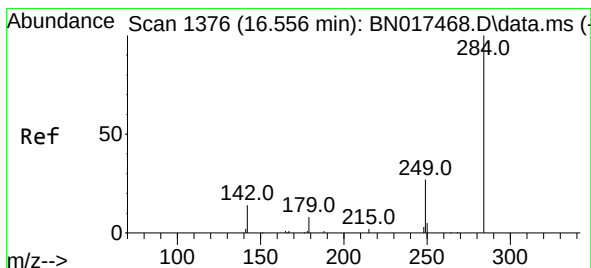
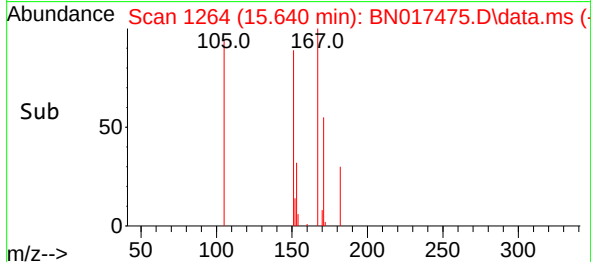
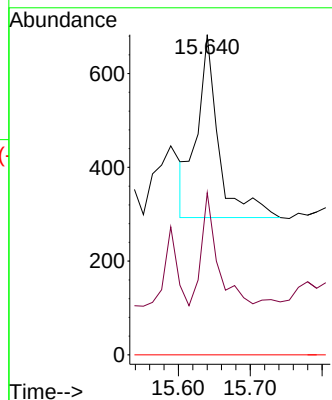
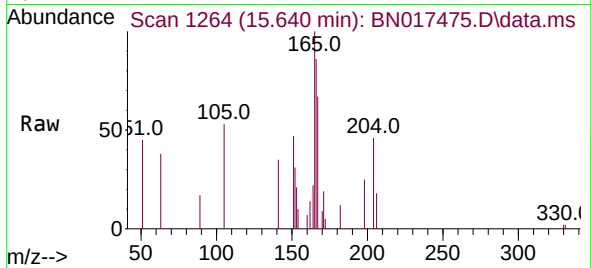




#20
4,6-Dinitro-2-methylphenol
Concen: 0.297 ng
RT: 15.640 min Scan# 11
Delta R.T. 0.025 min
Lab File: BN017475.D
Acq: 16 Nov 2021 15:47

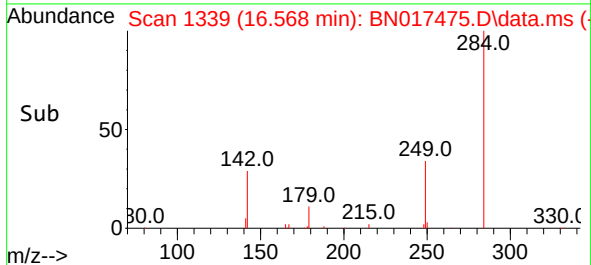
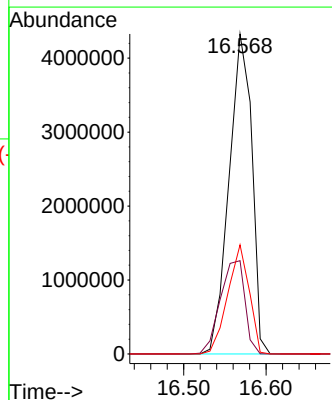
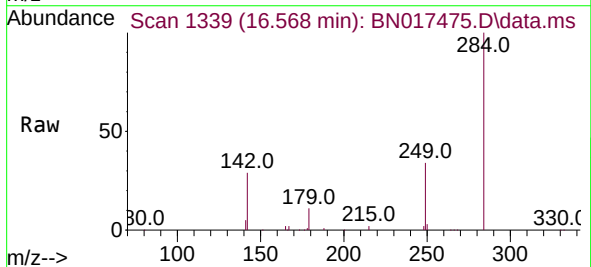
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

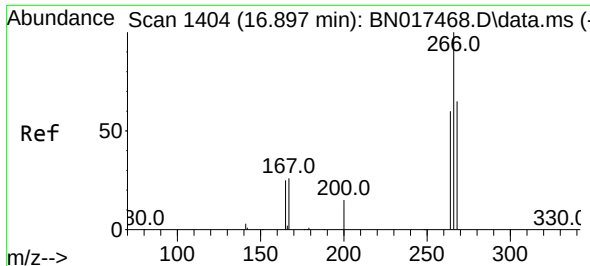
Tgt Ion:198 Resp: 814
Ion Ratio Lower Upper
198 100
182 50.7 11.4 17.2#
77 0.0 0.0 0.0



#22
Hexachlorobenzene
Concen: 109.390 ng
RT: 16.568 min Scan# 1339
Delta R.T. 0.012 min
Lab File: BN017475.D
Acq: 16 Nov 2021 15:47

Tgt Ion:284 Resp: 8312936
Ion Ratio Lower Upper
284 100
142 31.6 28.2 42.2
249 32.1 24.4 36.6

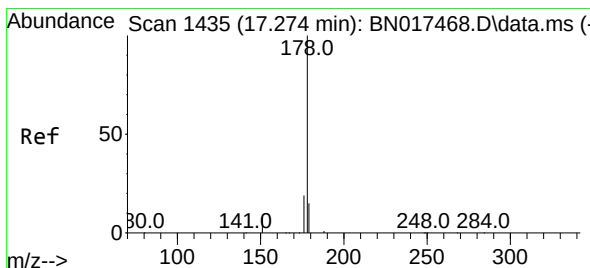
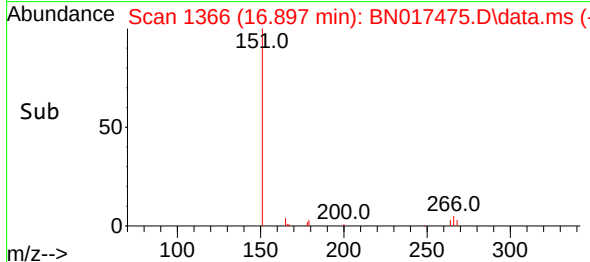
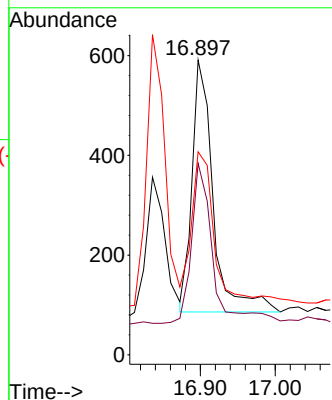
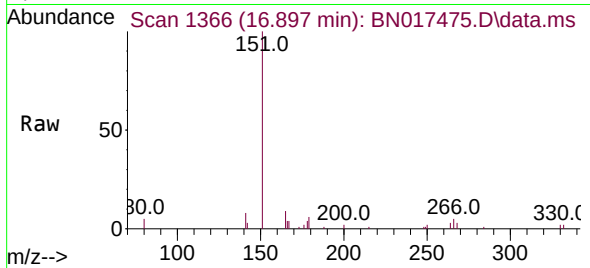




#24
 Pentachlorophenol
 Concen: 0.139 ng
 RT: 16.897 min Scan# 1366
 Delta R.T. 0.000 min
 Lab File: BN017475.D
 Acq: 16 Nov 2021 15:47

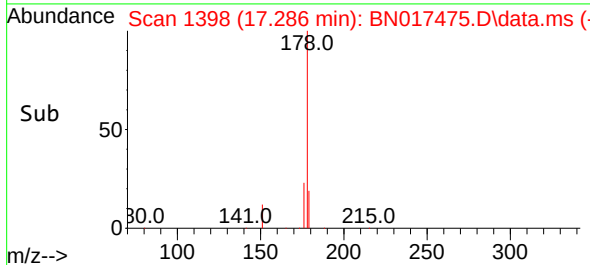
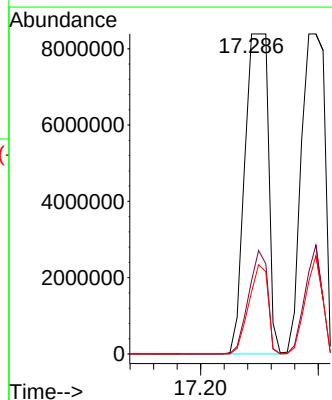
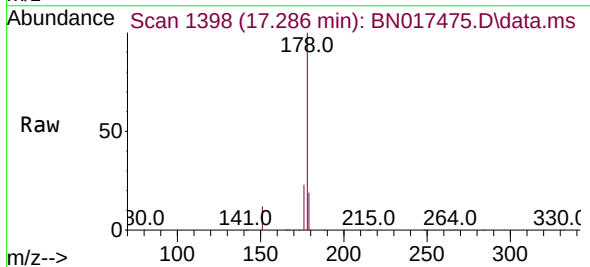
Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOIL

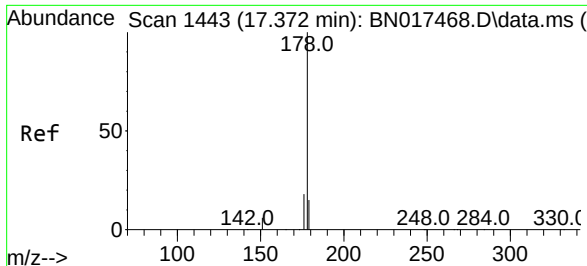
Tgt Ion:266 Resp: 990
 Ion Ratio Lower Upper
 266 100
 264 64.8 49.8 74.8
 268 64.4 51.3 76.9



#25
 Phenanthrene
 Concen: 71.330 ng
 RT: 17.286 min Scan# 1398
 Delta R.T. 0.012 min
 Lab File: BN017475.D
 Acq: 16 Nov 2021 15:47

Tgt Ion:178 Resp:23273097
 Ion Ratio Lower Upper
 178 100
 176 26.1 15.0 22.6#
 179 22.7 12.3 18.5#

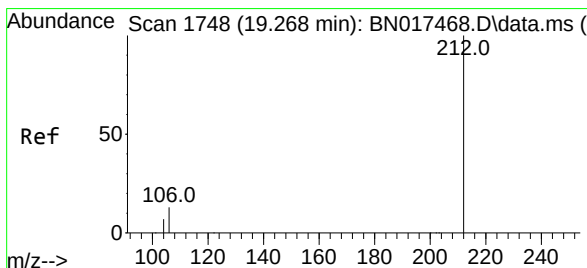
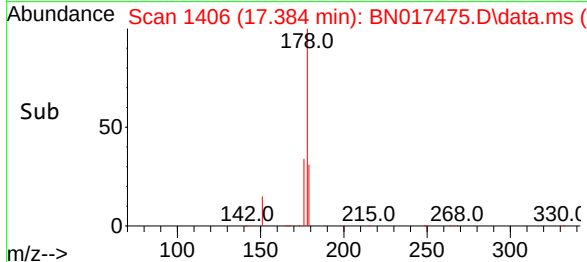
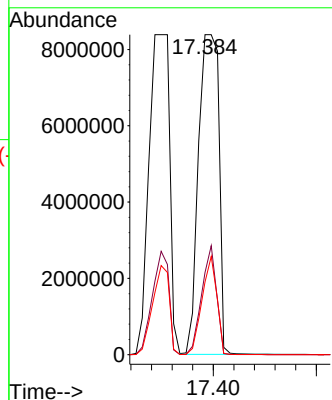
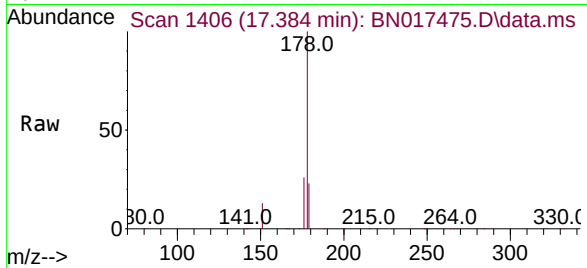




#26
 Anthracene
 Concen: 85.469 ng
 RT: 17.384 min Scan# 1443
 Delta R.T. 0.012 min
 Lab File: BN017475.D
 Acq: 16 Nov 2021 15:47

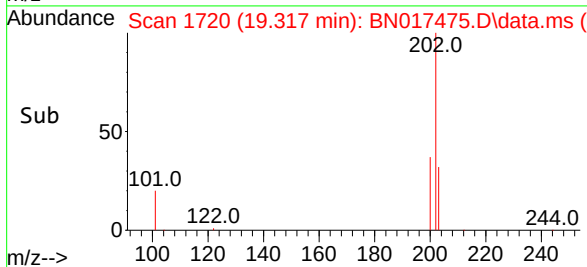
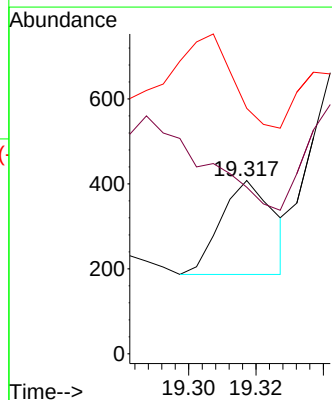
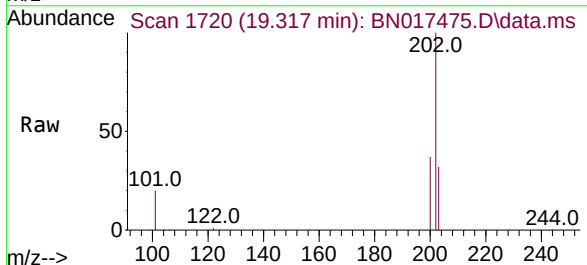
Instrument :
 BNA_N
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 PT-BNA-SOIL

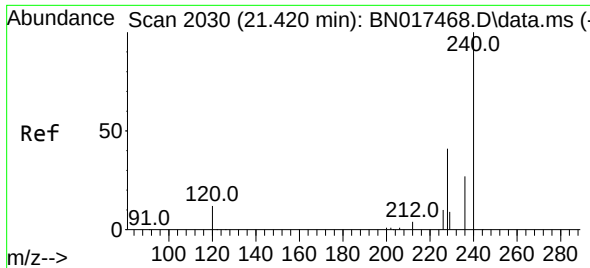
Tgt Ion:178 Resp:23133075
 Ion Ratio Lower Upper
 178 100
 176 24.6 14.6 22.0#
 179 22.4 12.2 18.4#



#27
 Fluoranthene-d10
 Concen: 0.001 ng
 RT: 19.317 min Scan# 1720
 Delta R.T. 0.050 min
 Lab File: BN017475.D
 Acq: 16 Nov 2021 15:47

Tgt Ion:212 Resp: 242
 Ion Ratio Lower Upper
 212 100
 106 0.0 10.5 15.7#
 104 140.5 5.8 8.6#

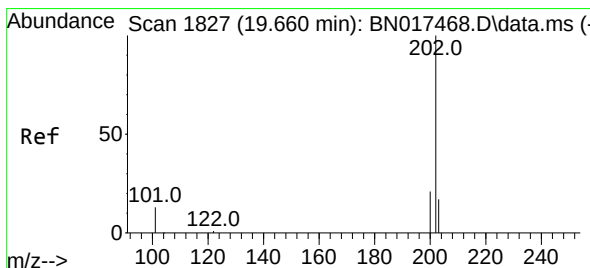
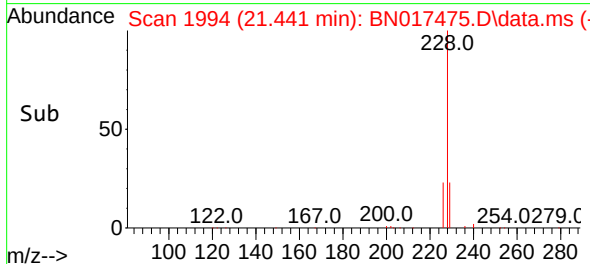
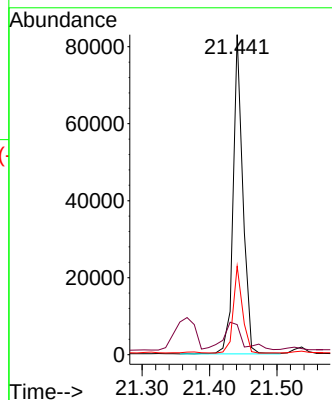
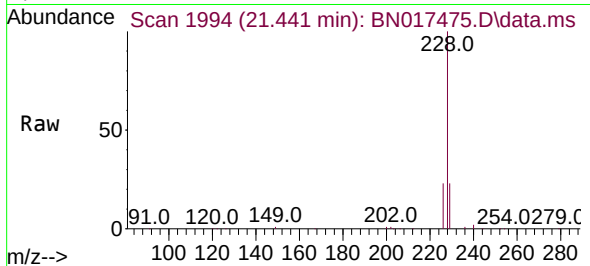




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.441 min Scan# 1994
Delta R.T. 0.021 min
Lab File: BN017475.D
Acq: 16 Nov 2021 15:47

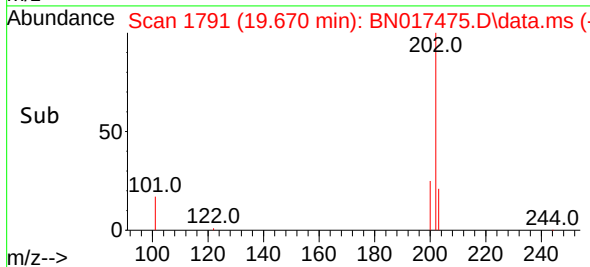
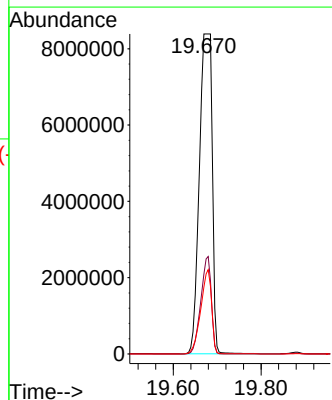
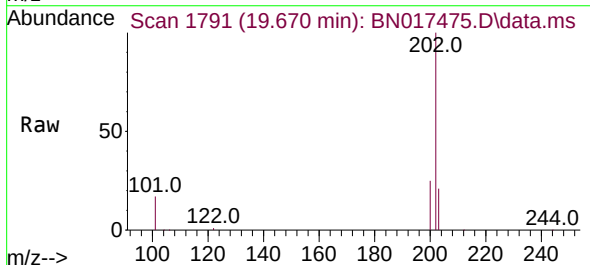
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

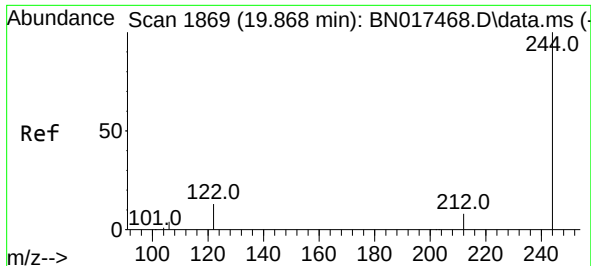
Tgt Ion:240 Resp: 82696
Ion Ratio Lower Upper
240 100
120 9.4 4.2 6.2#
236 27.7 20.0 30.0



#30
Pyrene
Concen: 57.343 ng
RT: 19.670 min Scan# 1791
Delta R.T. 0.010 min
Lab File: BN017475.D
Acq: 16 Nov 2021 15:47

Tgt Ion:202 Resp:17038659
Ion Ratio Lower Upper
202 100
200 24.8 16.5 24.7#
203 22.1 14.0 21.0#

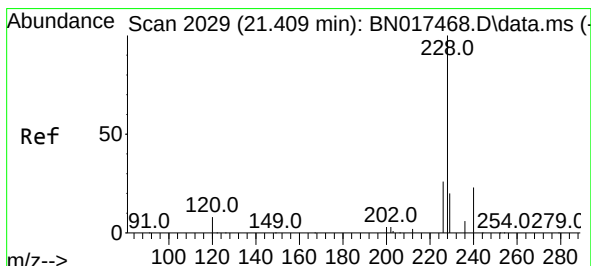
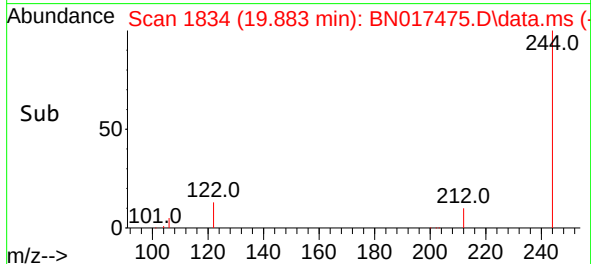
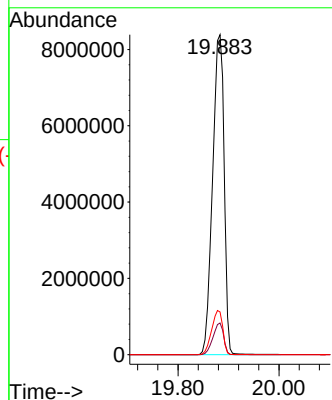
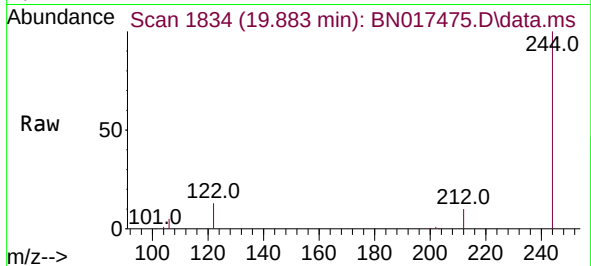




#31
 Terphenyl-d14
 Concen: 65.525 ng
 RT: 19.883 min Scan# 1834
 Delta R.T. 0.015 min
 Lab File: BN017475.D
 Acq: 16 Nov 2021 15:47

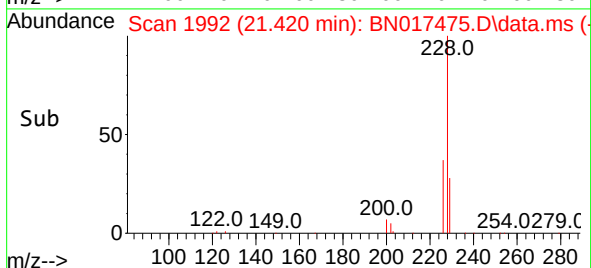
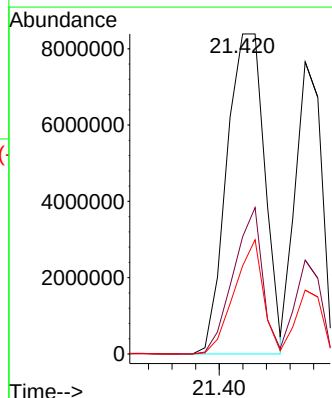
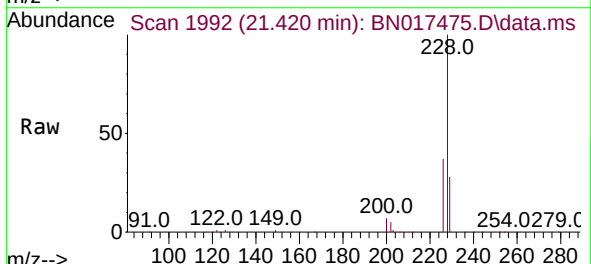
Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOIL

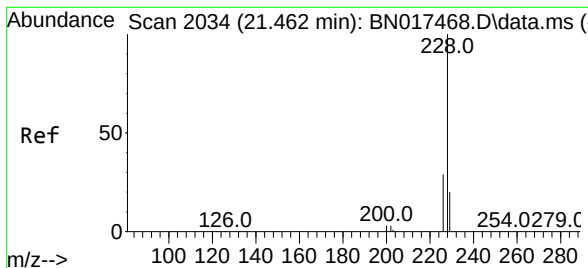
Tgt Ion:244 Resp:13304432
 Ion Ratio Lower Upper
 244 100
 212 9.9 5.7 8.5#
 122 13.3 8.6 13.0#



#32
 Benzo(a)anthracene
 Concen: 73.384 ng
 RT: 21.420 min Scan# 1992
 Delta R.T. 0.011 min
 Lab File: BN017475.D
 Acq: 16 Nov 2021 15:47

Tgt Ion:228 Resp:18788221
 Ion Ratio Lower Upper
 228 100
 226 36.6 21.3 31.9#
 229 27.5 15.7 23.5#





#33

Chrysene

Concen: 45.064 ng

RT: 21.473 min Scan# 1997

Delta R.T. 0.011 min

Lab File: BN017475.D

Acq: 16 Nov 2021 15:47

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOIL

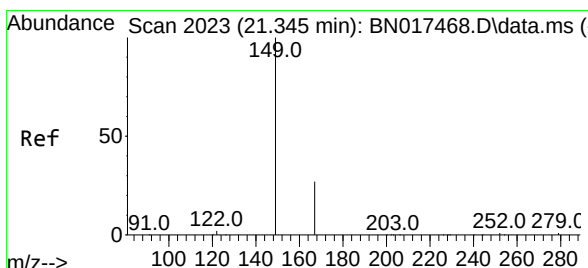
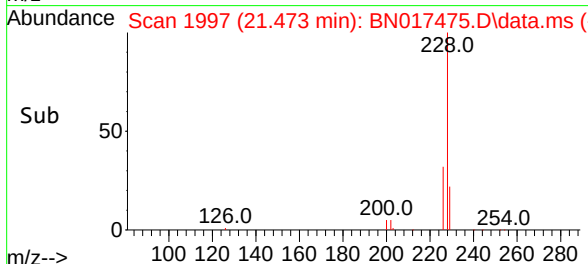
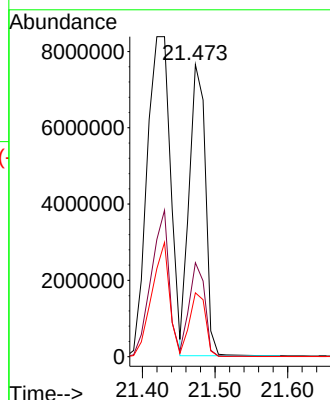
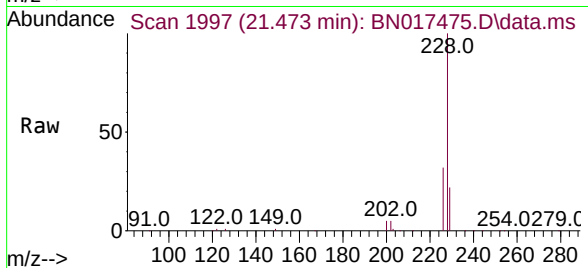
Tgt Ion:228 Resp:11864630

Ion Ratio Lower Upper

228 100

226 32.1 23.3 34.9

229 21.8 15.6 23.4



#34

Bis(2-ethylhexyl)phthalate

Concen: 153.295 ng

RT: 21.356 min Scan# 1986

Delta R.T. 0.011 min

Lab File: BN017475.D

Acq: 16 Nov 2021 15:47

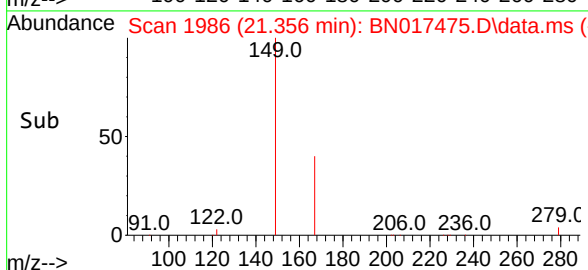
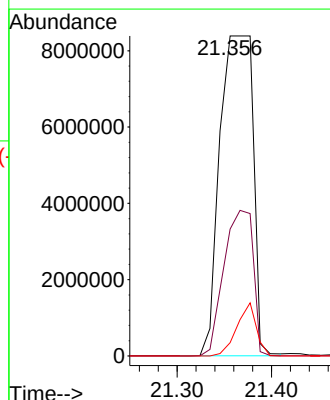
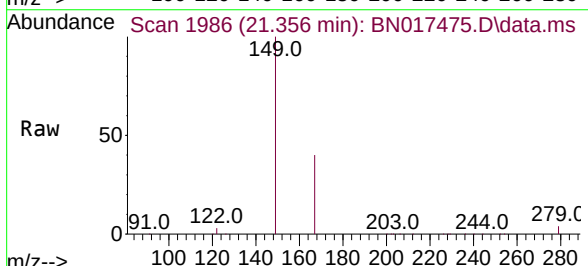
Tgt Ion:149 Resp:20514063

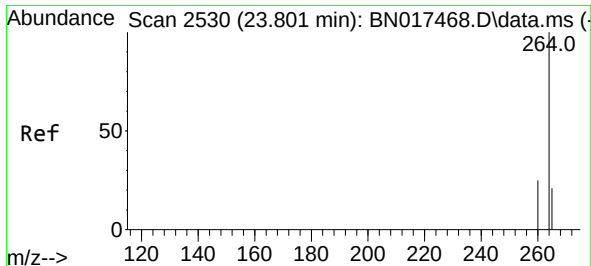
Ion Ratio Lower Upper

149 100

167 40.2 21.8 32.6#

279 0.0 3.4 5.0#

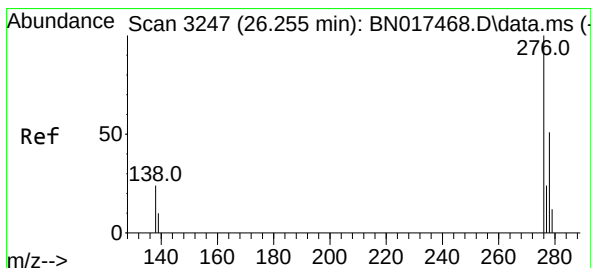
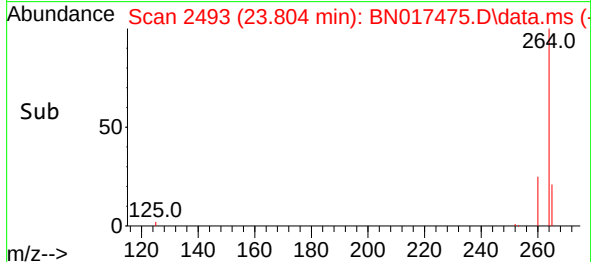
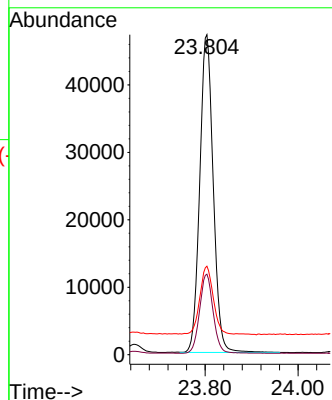
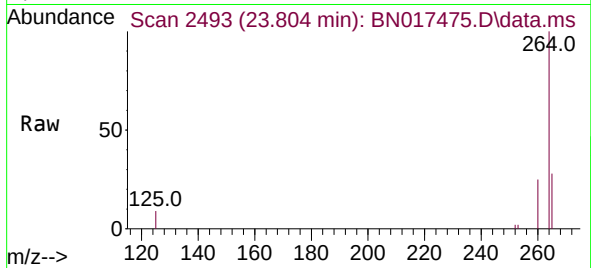




#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.804 min Scan# 24
 Delta R.T. 0.003 min
 Lab File: BN017475.D
 Acq: 16 Nov 2021 15:47

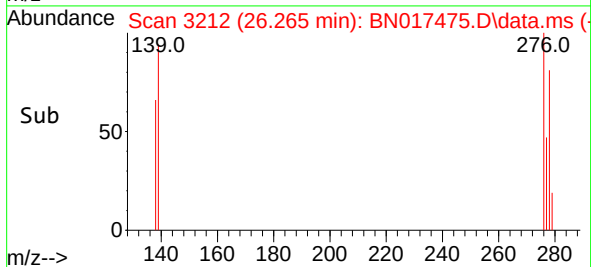
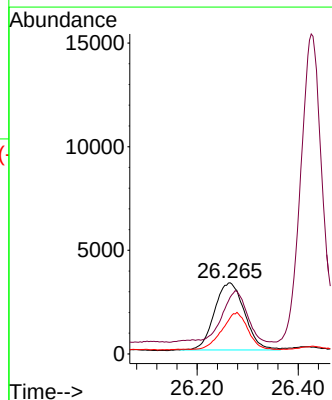
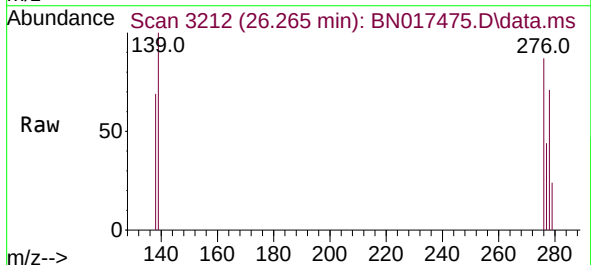
Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOIL

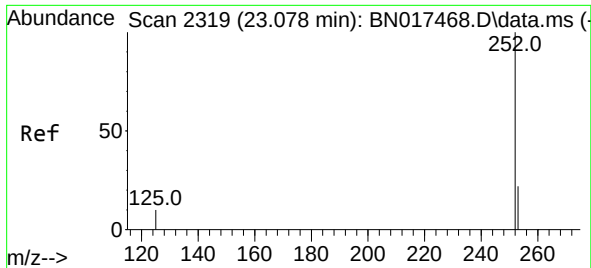
Tgt Ion:264 Resp: 94932
 Ion Ratio Lower Upper
 264 100
 260 25.2 19.4 29.2
 265 27.6 18.6 28.0



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.061 ng
 RT: 26.265 min Scan# 3212
 Delta R.T. 0.010 min
 Lab File: BN017475.D
 Acq: 16 Nov 2021 15:47

Tgt Ion:276 Resp: 13407
 Ion Ratio Lower Upper
 276 100
 138 61.1 19.7 29.5#
 277 46.6 20.0 30.0#

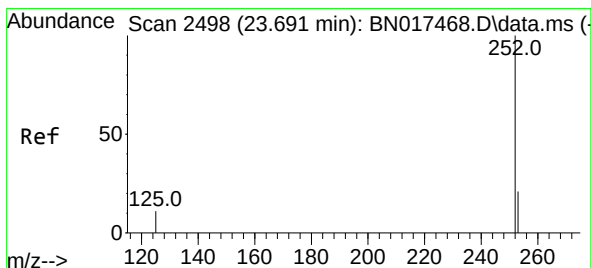
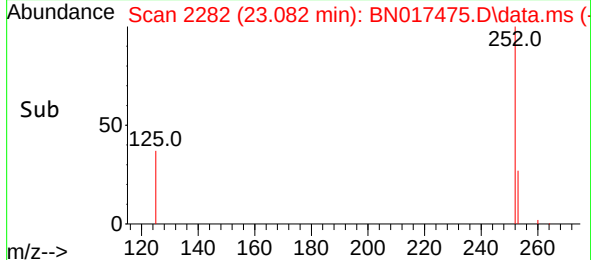
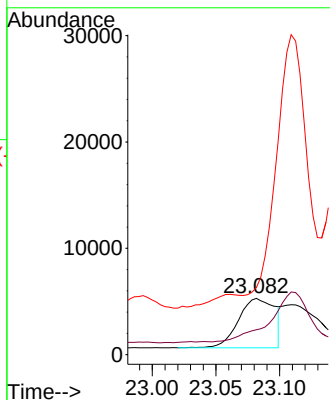
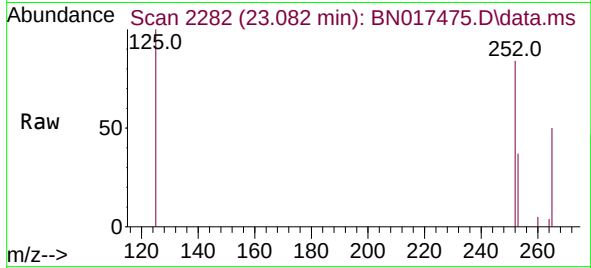




#37
Benzo(b)fluoranthene
Concen: 0.026 ng
RT: 23.082 min Scan# 21
Delta R.T. 0.003 min
Lab File: BN017475.D
Acq: 16 Nov 2021 15:47

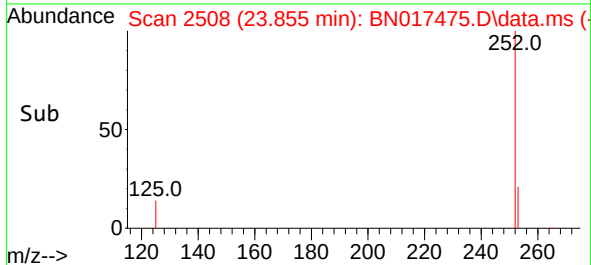
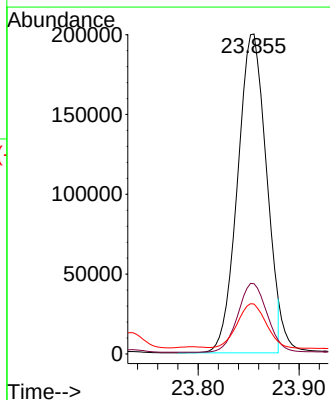
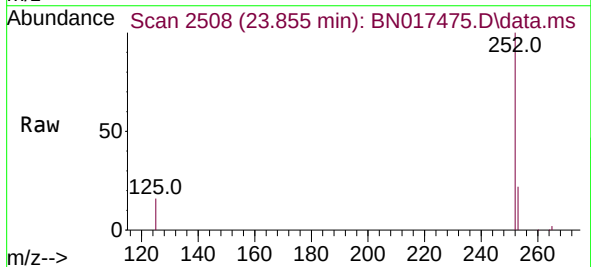
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

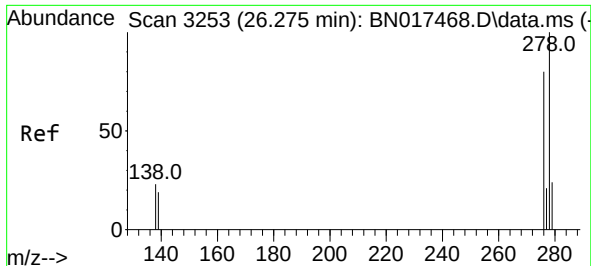
Tgt Ion:252 Resp: 9291
Ion Ratio Lower Upper
252 100
253 44.4 17.7 26.5#
125 119.4 7.8 11.8#



#39
Benzo(a)pyrene
Concen: 1.422 ng
RT: 23.855 min Scan# 2508
Delta R.T. 0.164 min
Lab File: BN017475.D
Acq: 16 Nov 2021 15:47

Tgt Ion:252 Resp: 393311
Ion Ratio Lower Upper
252 100
253 22.0 17.9 26.9
125 15.6 9.2 13.8#

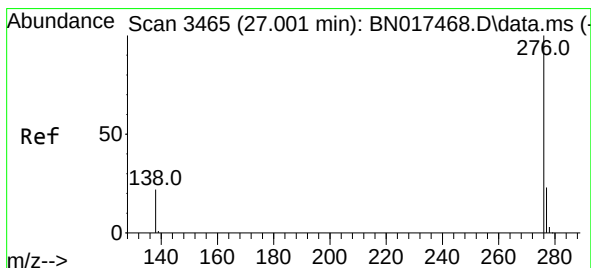
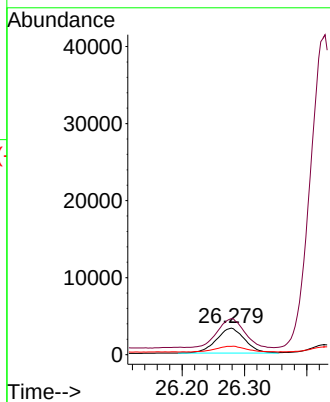
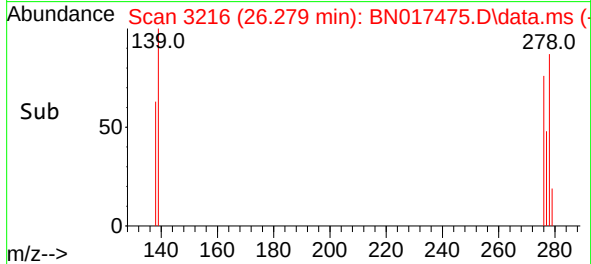
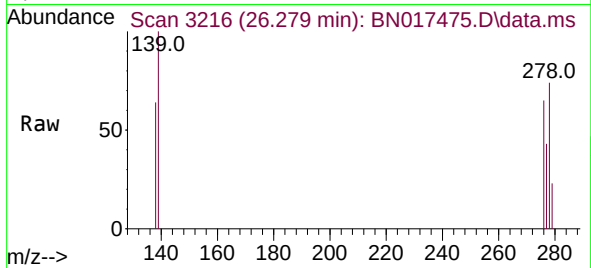




#40
Dibenzo(a,h)anthracene
Concen: 0.062 ng
RT: 26.279 min Scan# 31
Delta R.T. 0.003 min
Lab File: BN017475.D
Acq: 16 Nov 2021 15:47

Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

Tgt Ion:278 Resp: 10327
Ion Ratio Lower Upper
278 100
139 135.4 13.0 19.6#
279 31.5 19.2 28.8#



#41
Benzo(g,h,i)perylene
Concen: 104.022 ng
RT: 27.086 min Scan# 3452
Delta R.T. 0.086 min
Lab File: BN017475.D
Acq: 16 Nov 2021 15:47

Tgt Ion:276 Resp:21438031
Ion Ratio Lower Upper
276 100
277 24.8 19.0 28.4
138 21.5 17.1 25.7

