

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051923\
 Data File : BN025486.D
 Acq On : 19 May 2023 11:28
 Operator : CG/JU
 Sample : 02500-12
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOIL

Quant Time: May 19 12:27:46 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 19 02:17:42 2023
 Response via : Initial Calibration

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

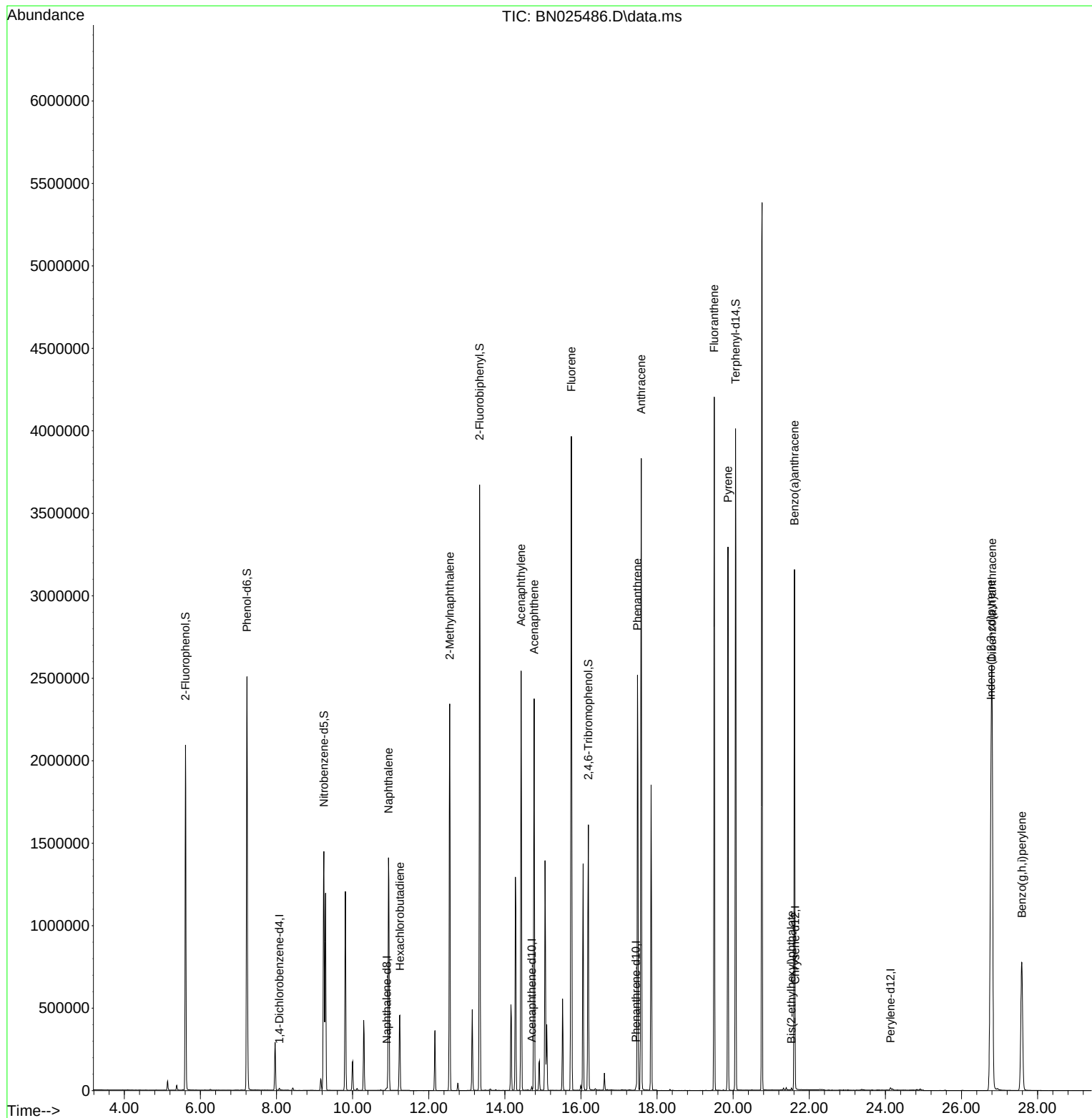
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.077	152	5692	0.400	ng	0.00
7) Naphthalene-d8	10.899	136	18050	0.400	ng	0.00
13) Acenaphthene-d10	14.705	164	11371	0.400	ng	0.00
19) Phenanthrene-d10	17.447	188	27716	0.400	ng	0.00
29) Chrysene-d12	21.629	240	23419	0.400	ng	0.00
35) Perylene-d12	24.136	264	20870	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.607	112	1638212	127.510	ng	0.00
5) Phenol-d6	7.225	99	2345571	142.222	ng	0.00
8) Nitrobenzene-d5	9.244	82	1213070	84.175	ng	0.01
11) 2-Methylnaphthalene-d10	12.483	152	2	0.000	ng	0.00
14) 2,4,6-Tribromophenol	16.194	330	819523	184.826	ng	0.00
15) 2-Fluorobiphenyl	13.336	172	3187315	73.265	ng	0.00
27) Fluoranthene-d10	19.502	212	89	0.001	ng	0.03
31) Terphenyl-d14	20.062	244	3630087	87.205	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.942	128	1916773	41.742	ng	100
10) Hexachlorobutadiene	11.241	225	404782	46.421	ng	# 99
12) 2-Methylnaphthalene	12.551	142	1658674	49.944	ng	98
16) Acenaphthylene	14.427	152	2744145	52.846	ng	99
17) Acenaphthene	14.769	154	1162595	33.945	ng	97
18) Fluorene	15.747	166	2282593	53.889	ng	97
25) Phenanthrene	17.485	178	2775490	34.176	ng	99
26) Anthracene	17.584	178	3946136	51.931	ng	99
28) Fluoranthene	19.502	202	3819084	41.377	ng	99
30) Pyrene	19.865	202	3101471	33.191	ng	99
32) Benzo(a)anthracene	21.611	228	2709154	31.943	ng	99
34) Bis(2-ethylhexyl)phtha...	21.531	149	10417	0.209	ng	100
36) Indeno(1,2,3-cd)pyrene	26.776	276	3854766	45.645	ng	99
40) Dibenzo(a,h)anthracene	26.806	278	3112581	46.005	ng	96
41) Benzo(g,h,i)perylene	27.586	276	1809900	25.374	ng	99

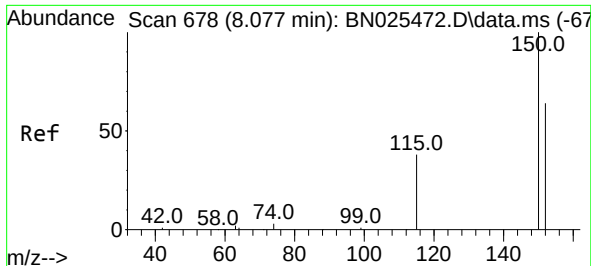
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051923\
Data File : BN025486.D
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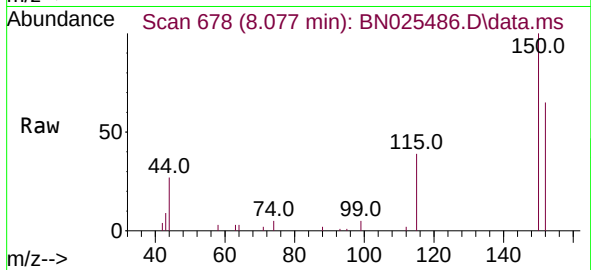
Quant Time: May 19 12:27:46 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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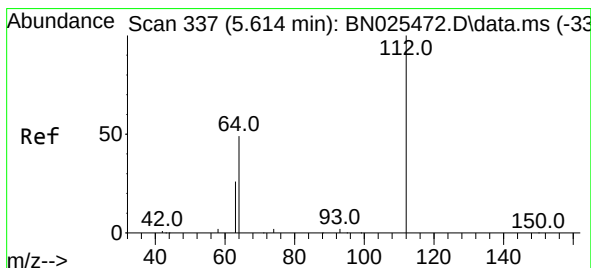
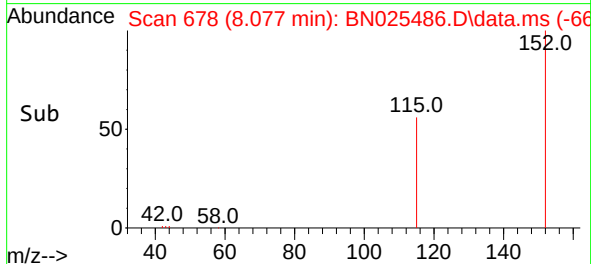
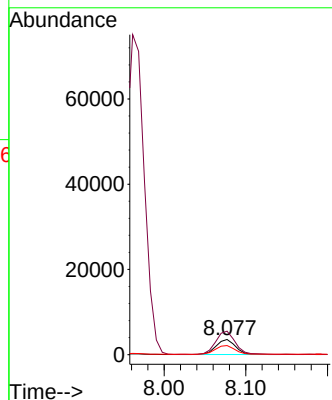


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.077 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: BN025486.D
 Acq: 19 May 2023 11:28

Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOIL

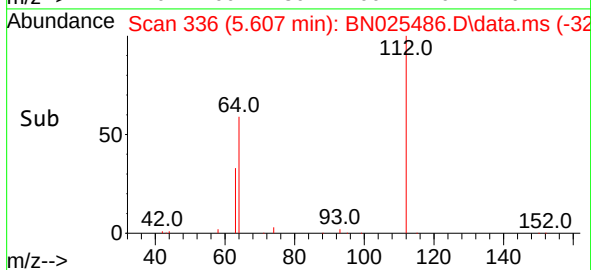
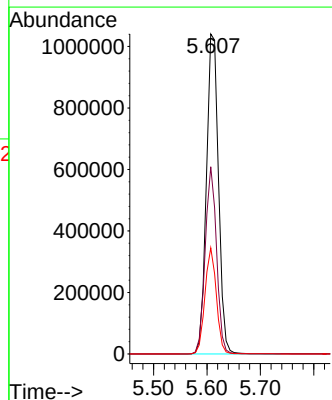
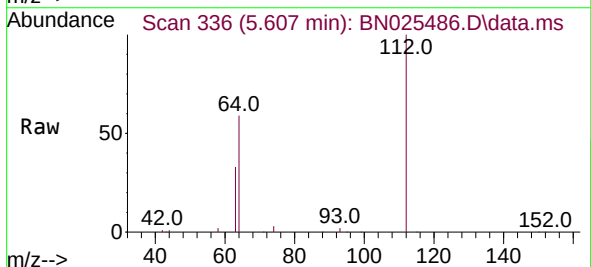


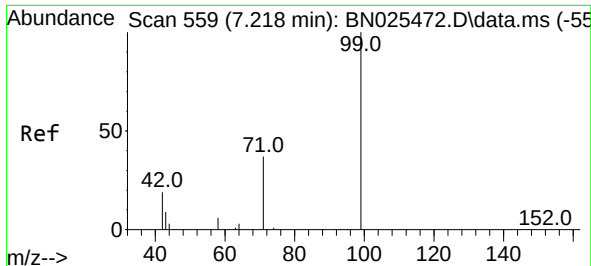
Tgt Ion:152 Resp: 5692
 Ion Ratio Lower Upper
 152 100
 150 154.1 125.3 187.9
 115 59.5 50.2 75.2



#4
 2-Fluorophenol
 Concen: 127.510 ng
 RT: 5.607 min Scan# 336
 Delta R.T. -0.007 min
 Lab File: BN025486.D
 Acq: 19 May 2023 11:28

Tgt Ion:112 Resp: 1638212
 Ion Ratio Lower Upper
 112 100
 64 55.3 44.0 66.0
 63 31.4 24.0 36.0

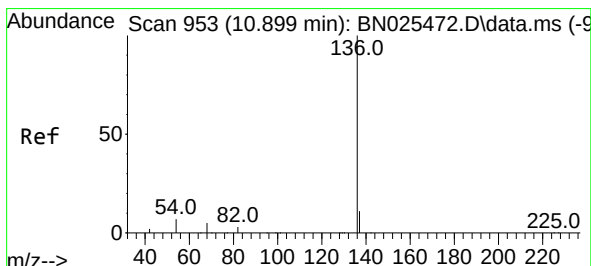
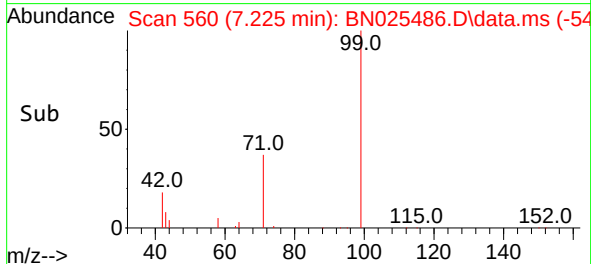
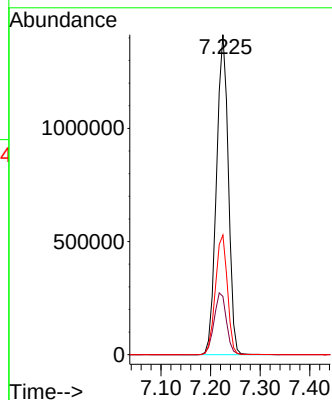
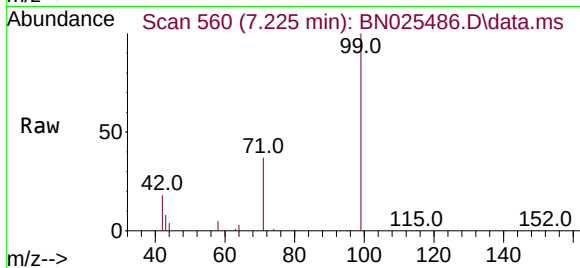




#5
Phenol-d6
Concen: 142.222 ng
RT: 7.225 min Scan# 50
Delta R.T. 0.007 min
Lab File: BN025486.D
Acq: 19 May 2023 11:28

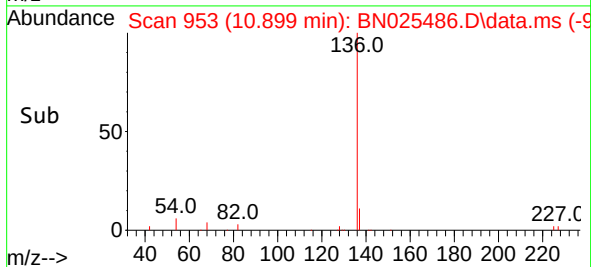
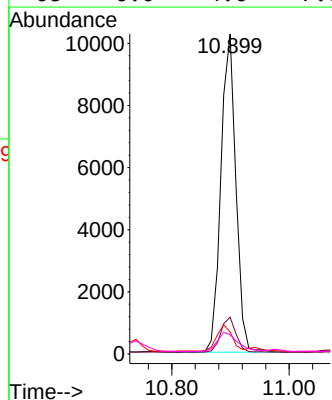
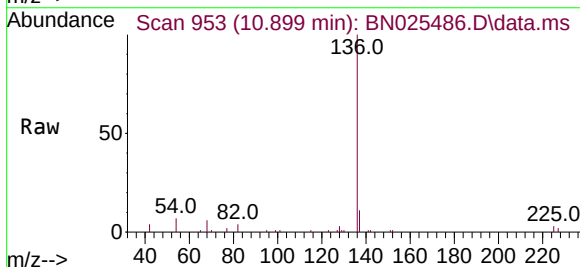
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ClientSampleId :
PT-BNA-SOIL

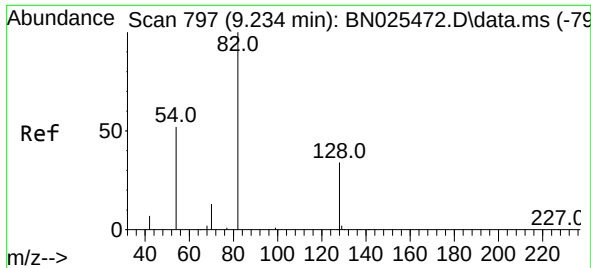
Tgt Ion: 99 Resp: 2345571
Ion Ratio Lower Upper
99 100
42 20.3 15.8 23.8
71 37.9 28.6 43.0



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.899 min Scan# 953
Delta R.T. 0.000 min
Lab File: BN025486.D
Acq: 19 May 2023 11:28

Tgt Ion: 136 Resp: 18050
Ion Ratio Lower Upper
136 100
137 11.5 9.1 13.7
54 6.8 5.8 8.6
68 6.0 4.6 7.0

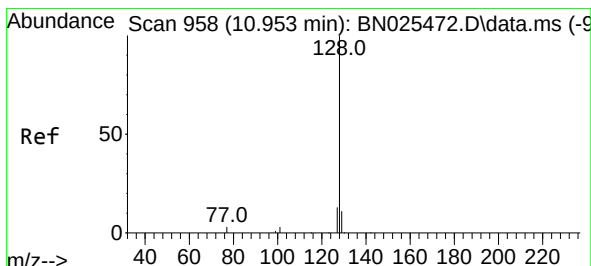
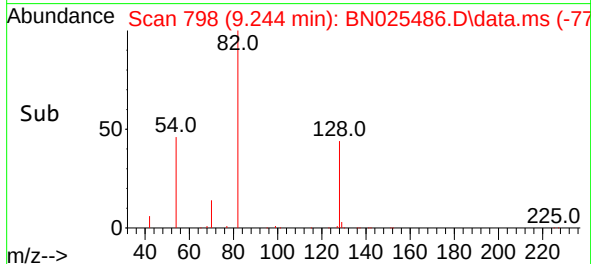
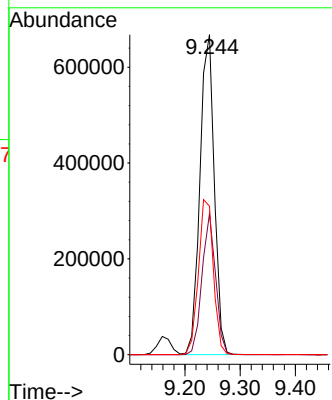
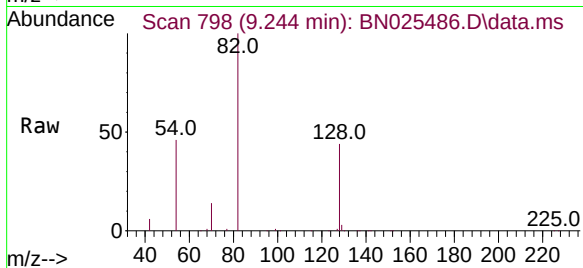




#8
Nitrobenzene-d5
Concen: 84.175 ng
RT: 9.244 min Scan# 797
Delta R.T. 0.010 min
Lab File: BN025486.D
Acq: 19 May 2023 11:28

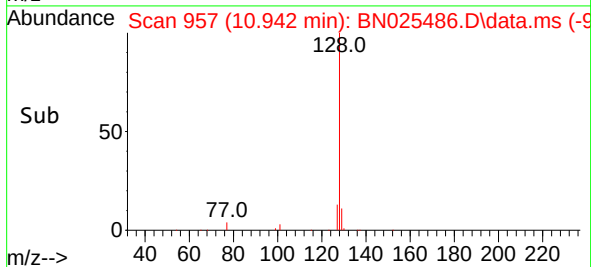
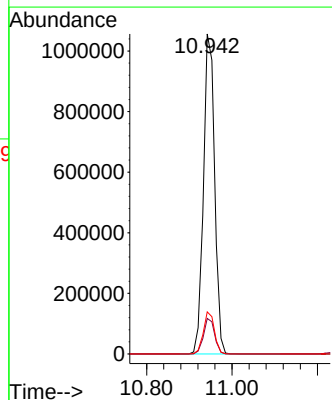
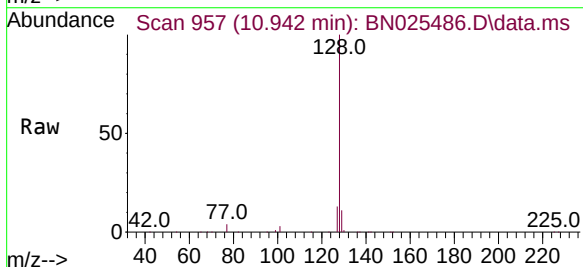
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

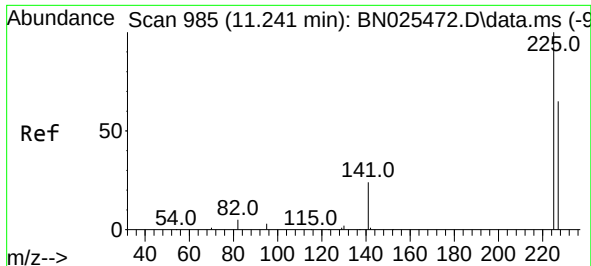
Tgt Ion: 82 Resp: 1213070
Ion Ratio Lower Upper
82 100
128 44.1 27.9 41.9#
54 46.4 42.4 63.6



#9
Naphthalene
Concen: 41.742 ng
RT: 10.942 min Scan# 957
Delta R.T. -0.011 min
Lab File: BN025486.D
Acq: 19 May 2023 11:28

Tgt Ion: 128 Resp: 1916773
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 13.2 10.4 15.6

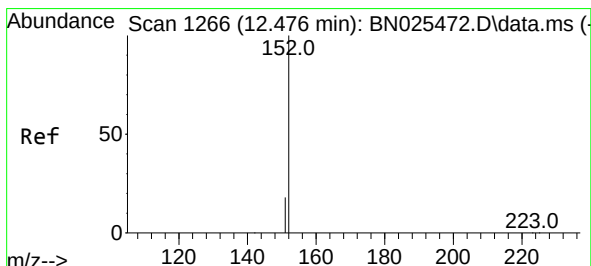
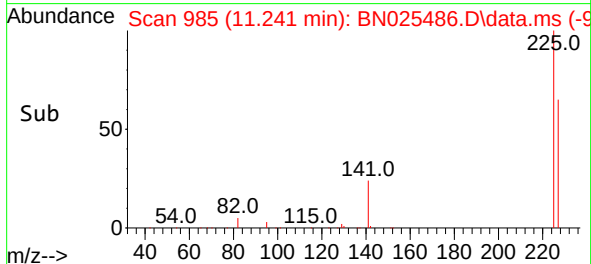
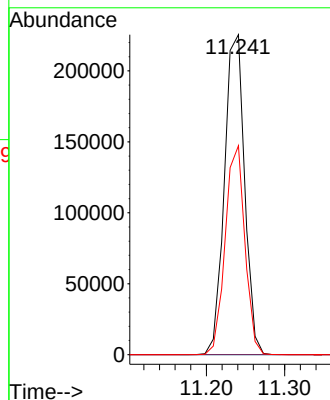
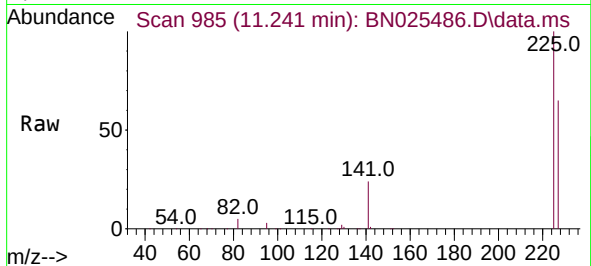




#10
Hexachlorobutadiene
Concen: 46.421 ng
RT: 11.241 min Scan# 985
Delta R.T. -0.000 min
Lab File: BN025486.D
Acq: 19 May 2023 11:28

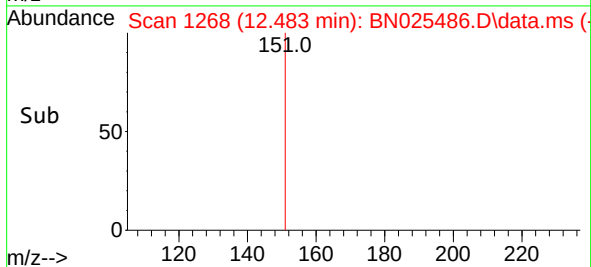
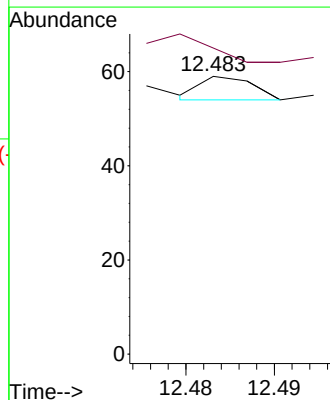
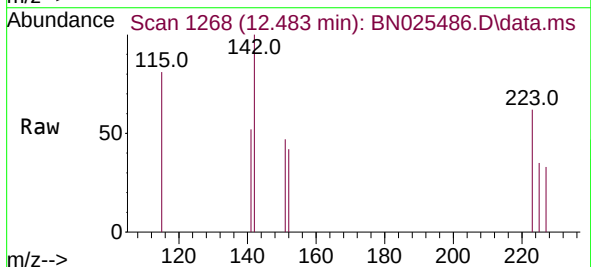
Instrument :
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PT-BNA-SOIL

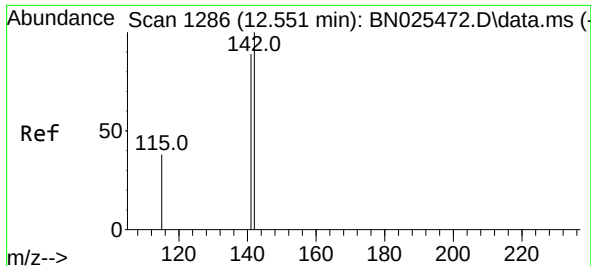
Tgt Ion:225 Resp: 404782
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.5 51.4 77.2



#11
2-Methylnaphthalene-d10
Concen: 0.000 ng
RT: 12.483 min Scan# 1268
Delta R.T. 0.007 min
Lab File: BN025486.D
Acq: 19 May 2023 11:28

Tgt Ion:152 Resp: 2
Ion Ratio Lower Upper
152 100
151 0.0 16.6 24.8#





#12

2-Methylnaphthalene

Concen: 49.944 ng

RT: 12.551 min Scan# 1286

Delta R.T. 0.000 min

Lab File: BN025486.D

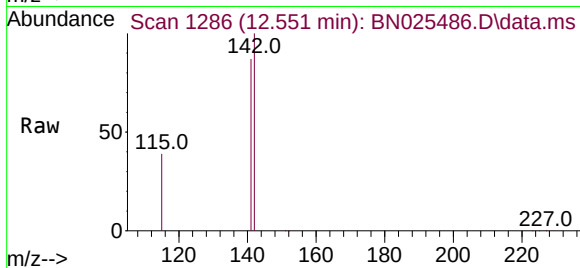
Acq: 19 May 2023 11:28

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOIL



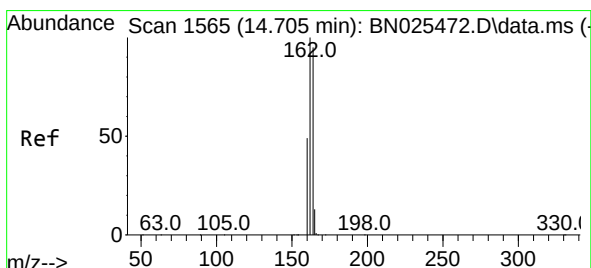
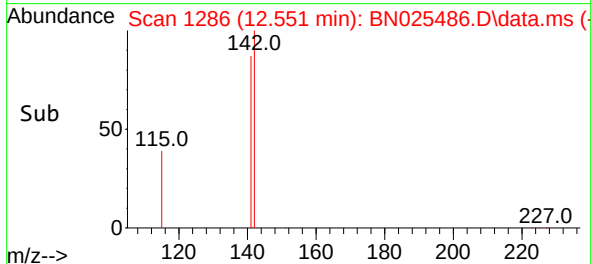
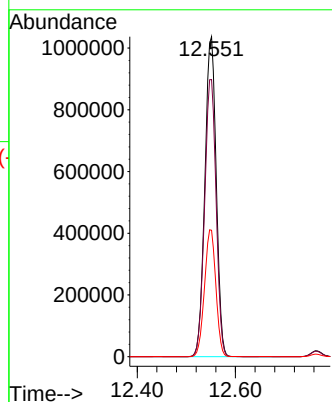
Tgt Ion:142 Resp: 1658674

Ion Ratio Lower Upper

142 100

141 86.6 71.1 106.7

115 39.5 31.3 46.9



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.705 min Scan# 1565

Delta R.T. -0.000 min

Lab File: BN025486.D

Acq: 19 May 2023 11:28

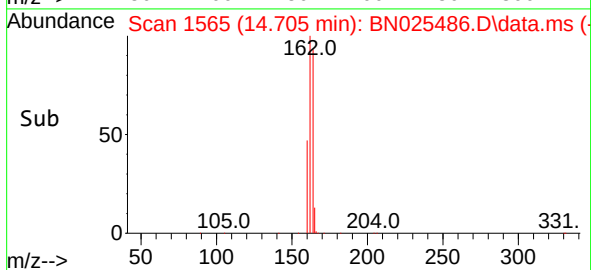
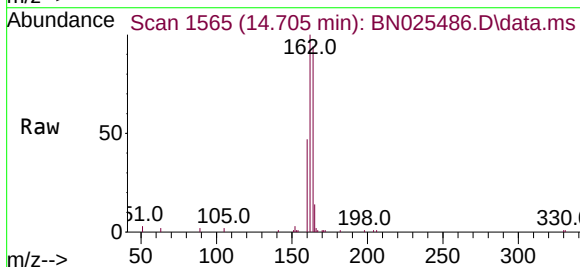
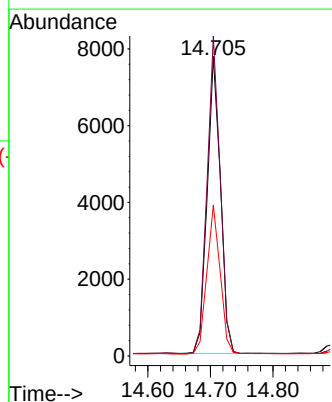
Tgt Ion:164 Resp: 11371

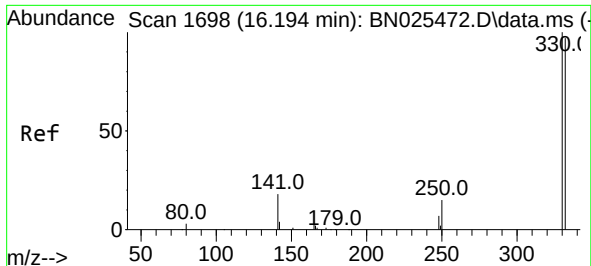
Ion Ratio Lower Upper

164 100

162 106.8 84.2 126.2

160 50.5 41.4 62.2

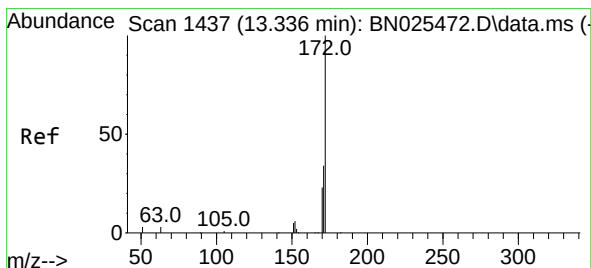
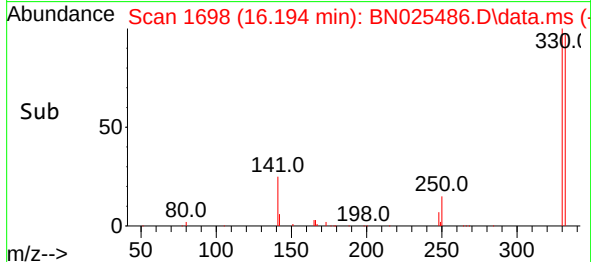
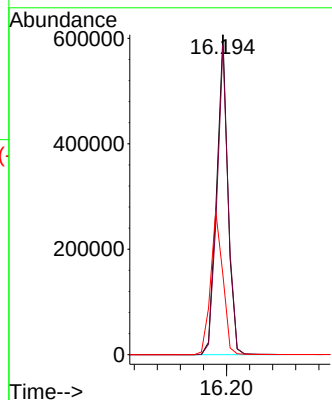
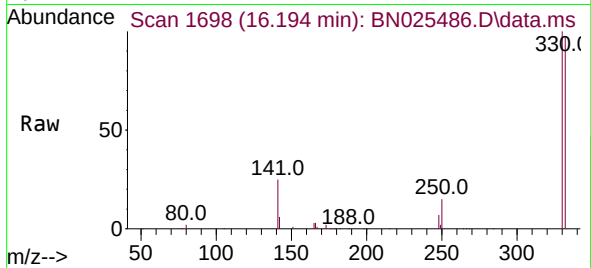




#14
2,4,6-Tribromophenol
Concen: 184.826 ng
RT: 16.194 min Scan# 1698
Delta R.T. -0.000 min
Lab File: BN025486.D
Acq: 19 May 2023 11:28

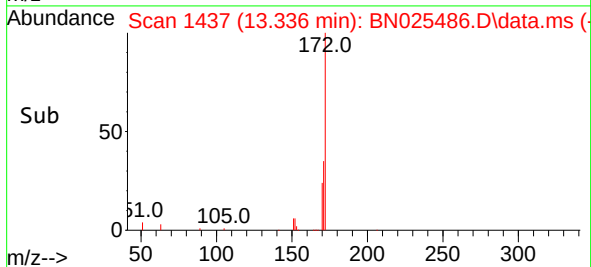
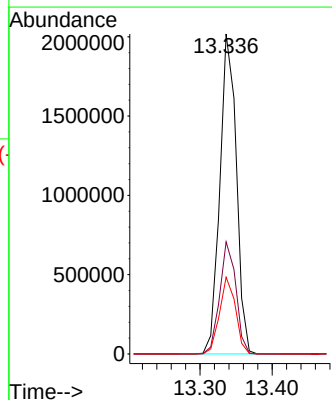
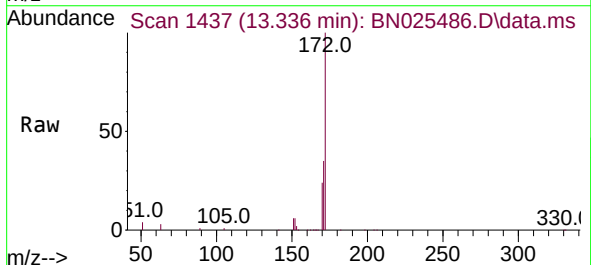
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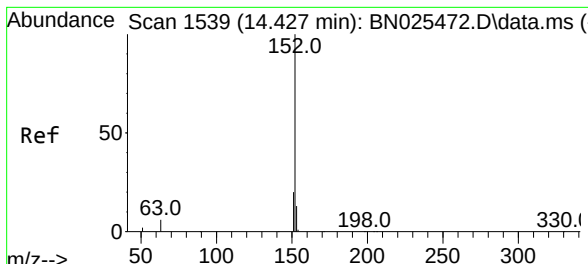
Tgt Ion:330 Resp: 819523
Ion Ratio Lower Upper
330 100
332 96.4 76.1 114.1
141 48.6 36.1 54.1



#15
2-Fluorobiphenyl
Concen: 73.265 ng
RT: 13.336 min Scan# 1437
Delta R.T. 0.000 min
Lab File: BN025486.D
Acq: 19 May 2023 11:28

Tgt Ion:172 Resp: 3187315
Ion Ratio Lower Upper
172 100
171 35.1 27.6 41.4
170 24.0 18.9 28.3



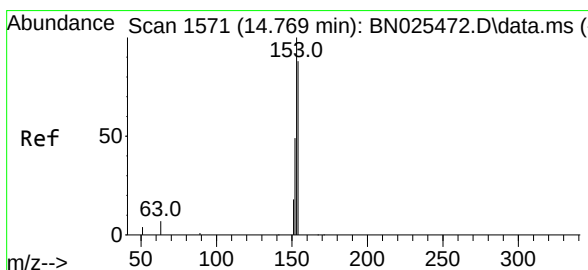
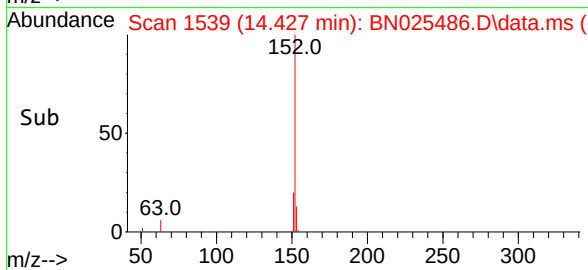
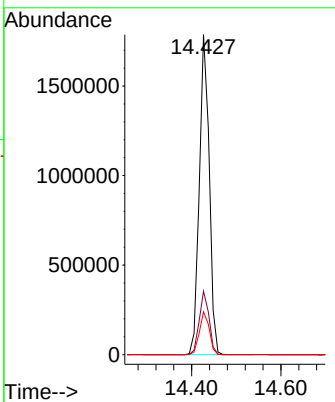
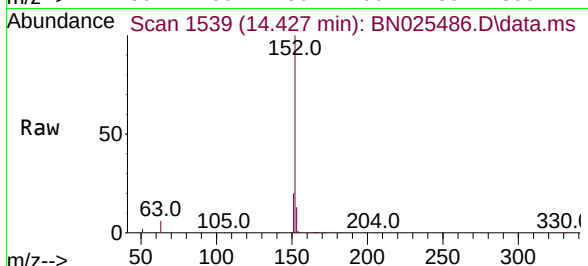


#16
 Acenaphthylene
 Concen: 52.846 ng
 RT: 14.427 min Scan# 1539
 Delta R.T. -0.000 min
 Lab File: BN025486.D
 Acq: 19 May 2023 11:28

Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOIL

Tgt Ion:152 Resp: 2744145

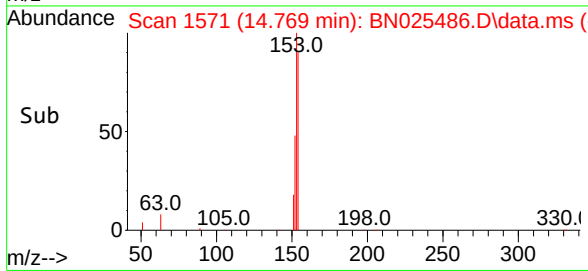
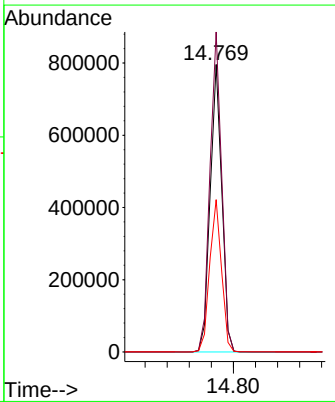
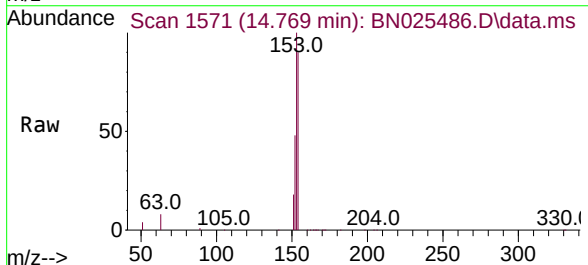
Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.4	23.2
153	13.3	10.3	15.5

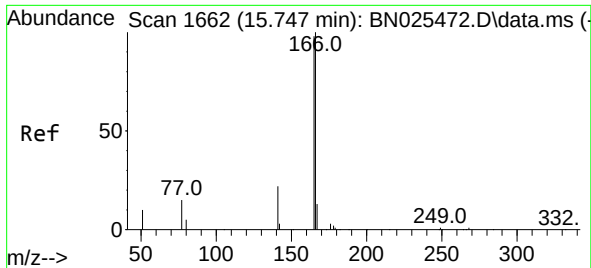


#17
 Acenaphthene
 Concen: 33.945 ng
 RT: 14.769 min Scan# 1571
 Delta R.T. -0.000 min
 Lab File: BN025486.D
 Acq: 19 May 2023 11:28

Tgt Ion:154 Resp: 1162595

Ion	Ratio	Lower	Upper
154	100		
153	112.3	86.9	130.3
152	53.8	43.9	65.9

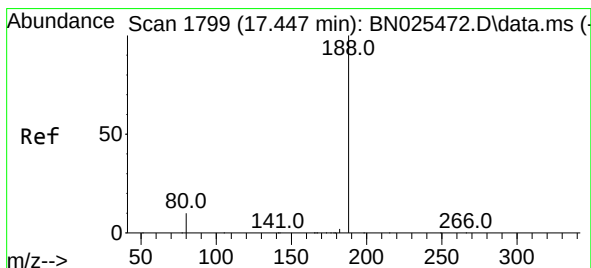
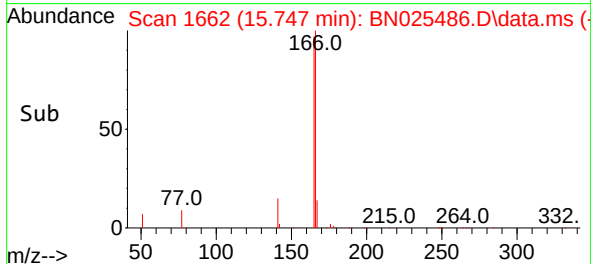
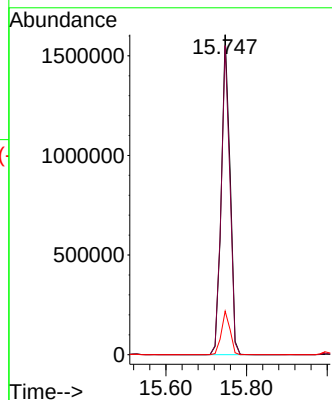
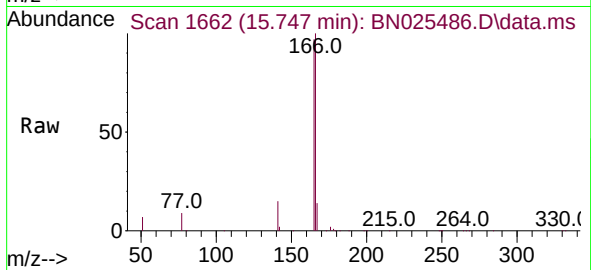




#18
 Fluorene
 Concen: 53.889 ng
 RT: 15.747 min Scan# 1662
 Delta R.T. -0.000 min
 Lab File: BN025486.D
 Acq: 19 May 2023 11:28

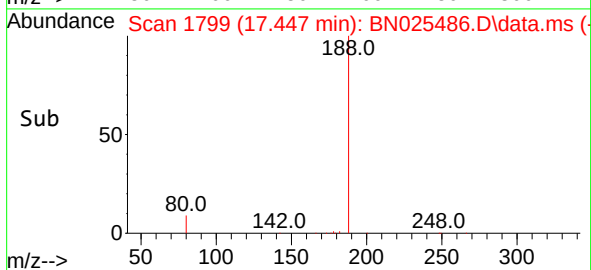
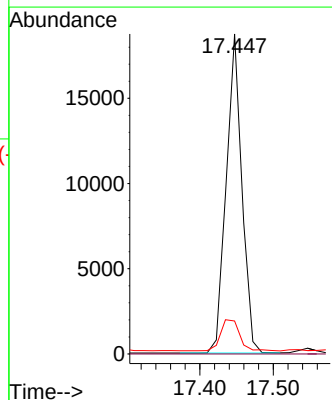
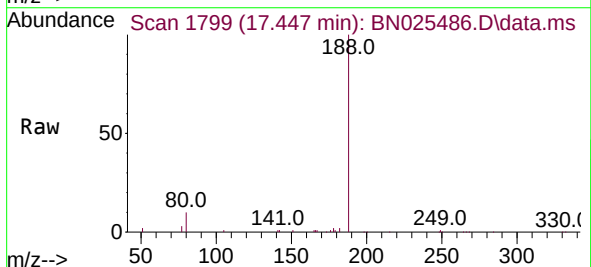
Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOIL

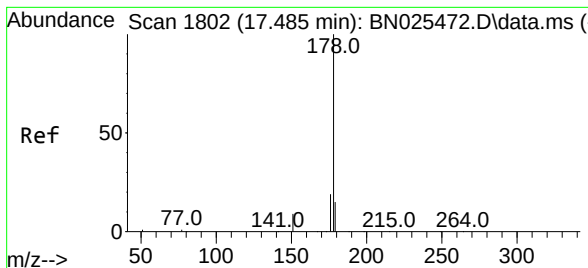
Tgt Ion:166 Resp: 2282593
 Ion Ratio Lower Upper
 166 100
 165 96.6 79.9 119.9
 167 13.6 11.2 16.8



#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.447 min Scan# 1799
 Delta R.T. 0.000 min
 Lab File: BN025486.D
 Acq: 19 May 2023 11:28

Tgt Ion:188 Resp: 27716
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 10.3 8.2 12.4





#25

Phenanthrene

Concen: 34.176 ng

RT: 17.485 min Scan# 1802

Delta R.T. -0.000 min

Lab File: BN025486.D

Acq: 19 May 2023 11:28

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOIL

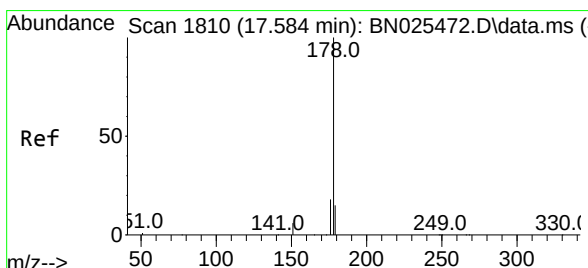
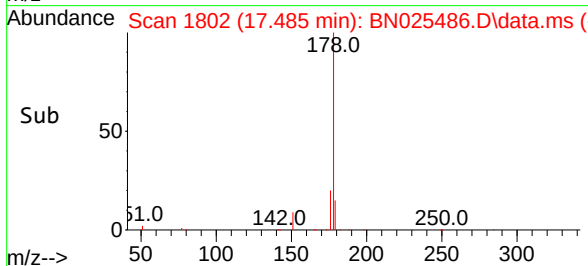
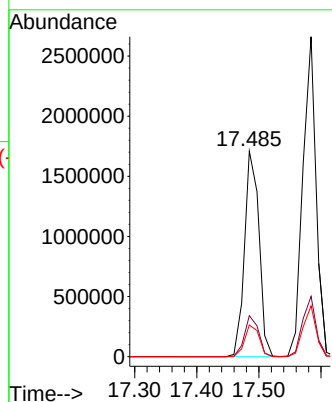
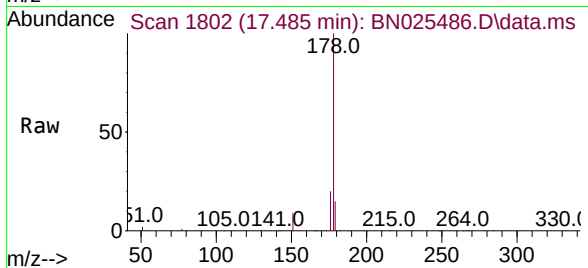
Tgt Ion:178 Resp: 2775490

Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.0

179 15.5 12.1 18.1



#26

Anthracene

Concen: 51.931 ng

RT: 17.584 min Scan# 1810

Delta R.T. -0.000 min

Lab File: BN025486.D

Acq: 19 May 2023 11:28

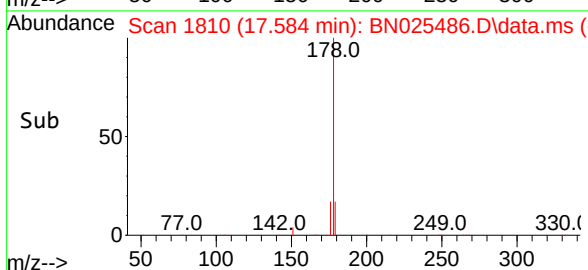
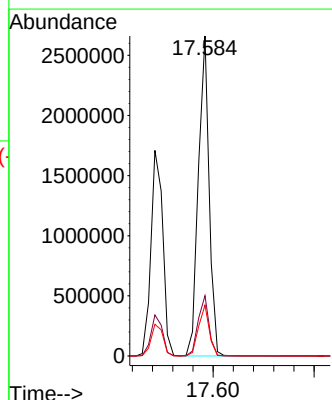
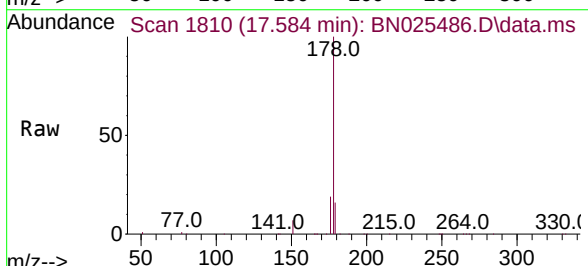
Tgt Ion:178 Resp: 3946136

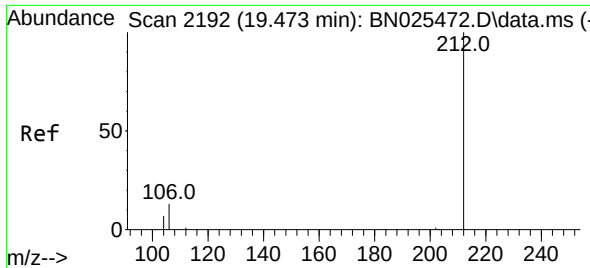
Ion Ratio Lower Upper

178 100

176 18.9 15.0 22.6

179 15.7 12.1 18.1

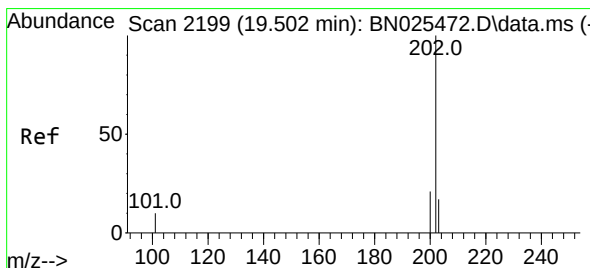
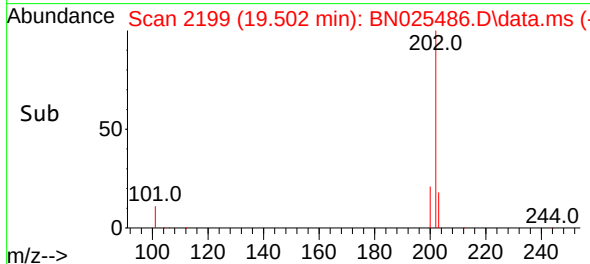
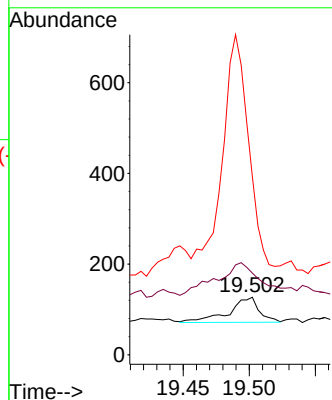
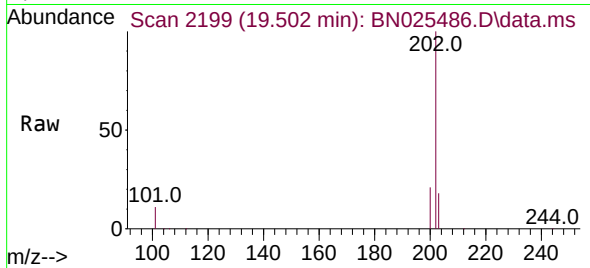




#27
Fluoranthene-d10
Concen: 0.001 ng
RT: 19.502 min Scan# 2199
Delta R.T. 0.029 min
Lab File: BN025486.D
Acq: 19 May 2023 11:28

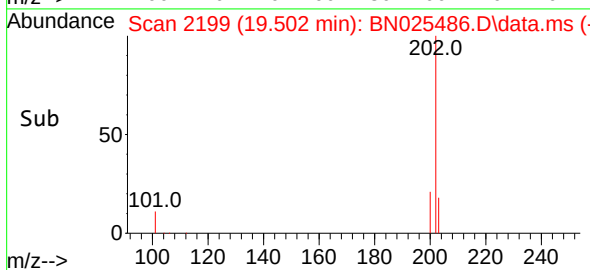
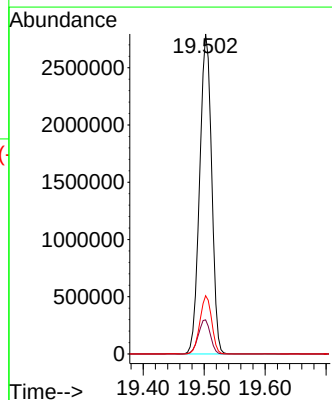
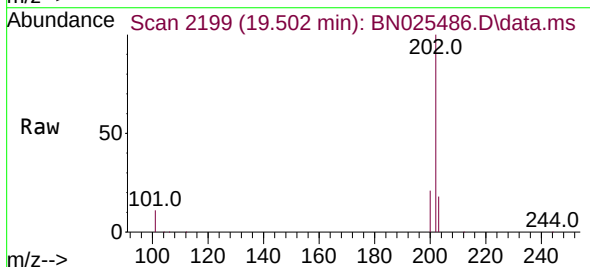
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

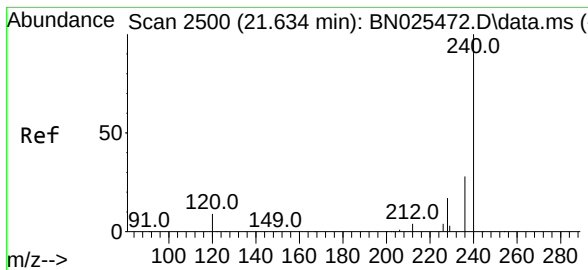
Tgt Ion:212 Resp: 89
Ion Ratio Lower Upper
212 100
106 192.1 11.4 17.2#
104 787.6 6.6 10.0#



#28
Fluoranthene
Concen: 41.377 ng
RT: 19.502 min Scan# 2199
Delta R.T. 0.000 min
Lab File: BN025486.D
Acq: 19 May 2023 11:28

Tgt Ion:202 Resp: 3819084
Ion Ratio Lower Upper
202 100
101 10.7 8.7 13.1
203 17.9 13.8 20.6





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.629 min Scan# 21

Delta R.T. -0.005 min

Lab File: BN025486.D

Acq: 19 May 2023 11:28

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOIL

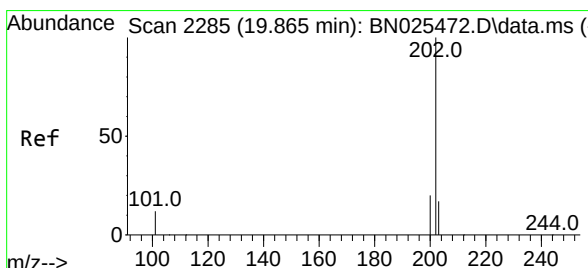
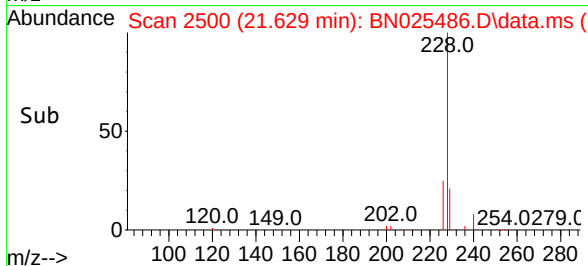
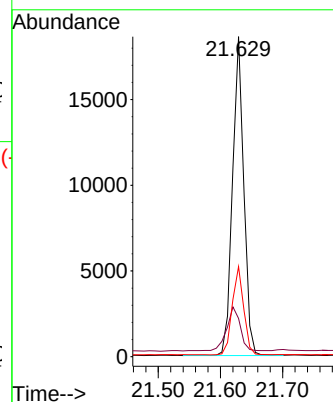
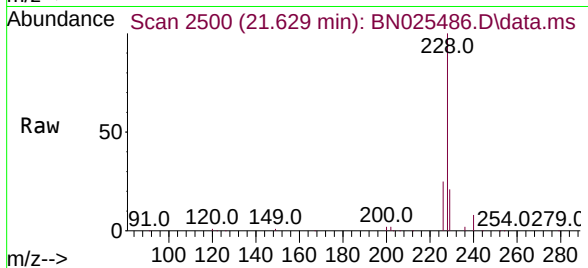
Tgt Ion:240 Resp: 23419

Ion Ratio Lower Upper

240 100

120 11.9 8.6 12.8

236 28.1 22.7 34.1



#30

Pyrene

Concen: 33.191 ng

RT: 19.865 min Scan# 2285

Delta R.T. -0.000 min

Lab File: BN025486.D

Acq: 19 May 2023 11:28

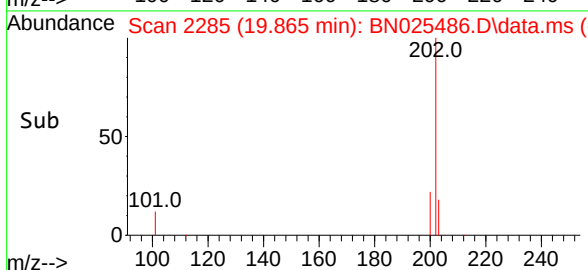
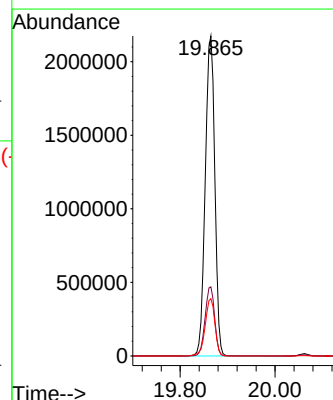
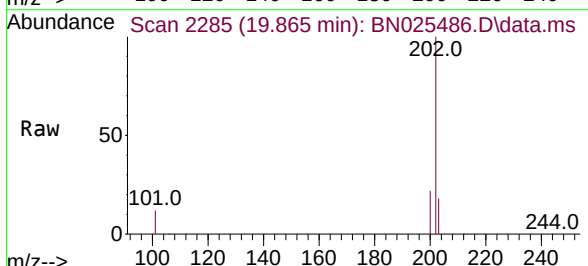
Tgt Ion:202 Resp: 3101471

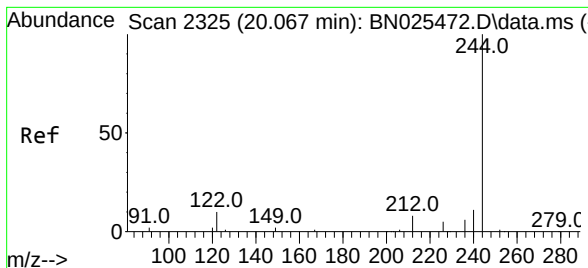
Ion Ratio Lower Upper

202 100

200 21.5 16.8 25.2

203 17.8 14.2 21.4





#31

Terphenyl-d14

Concen: 87.205 ng

RT: 20.062 min Scan# 21

Delta R.T. -0.005 min

Lab File: BN025486.D

Acq: 19 May 2023 11:28

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOIL

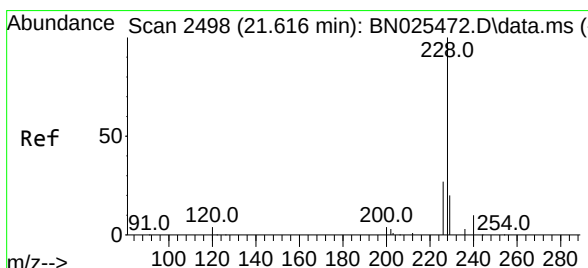
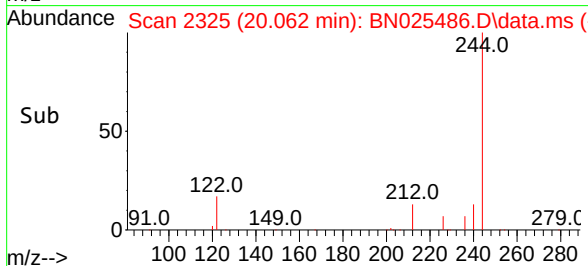
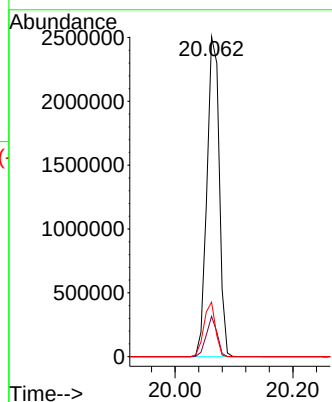
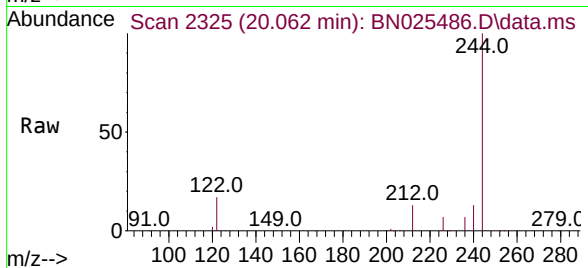
Tgt Ion:244 Resp: 3630087

Ion Ratio Lower Upper

244 100

212 12.6 6.6 10.0#

122 17.1 8.1 12.1#



#32

Benzo(a)anthracene

Concen: 31.943 ng

RT: 21.611 min Scan# 2498

Delta R.T. -0.005 min

Lab File: BN025486.D

Acq: 19 May 2023 11:28

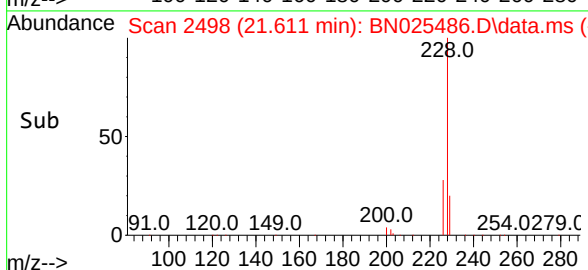
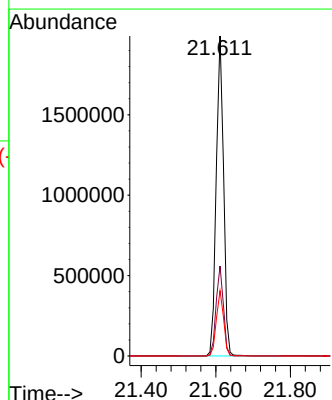
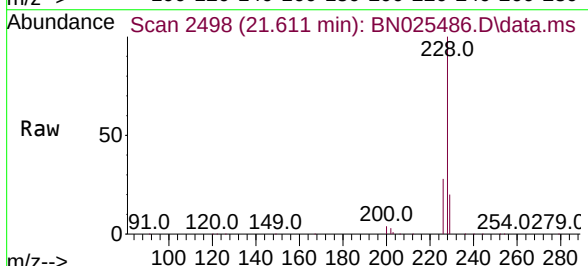
Tgt Ion:228 Resp: 2709154

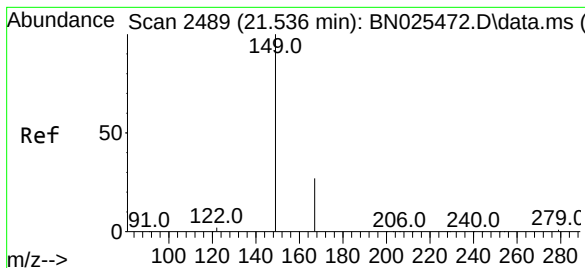
Ion Ratio Lower Upper

228 100

226 28.1 22.1 33.1

229 20.4 15.8 23.8

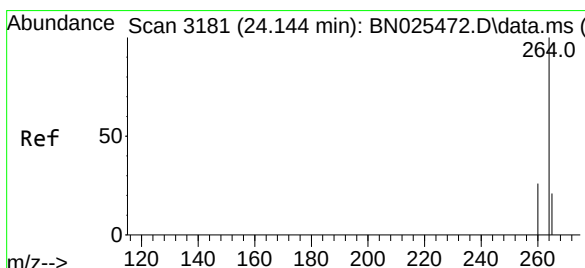
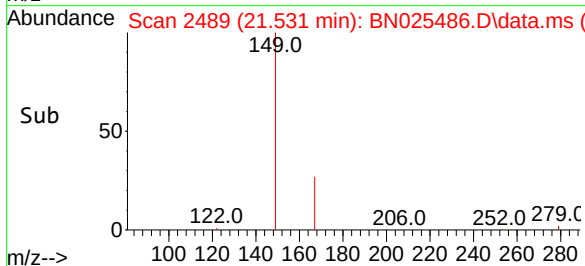
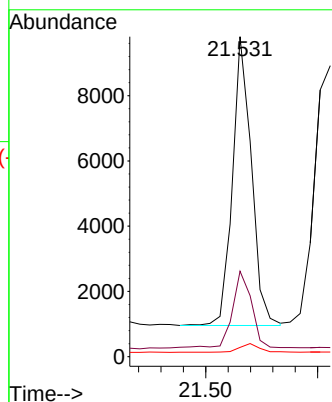
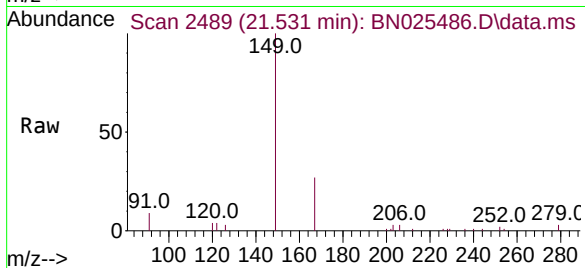




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.209 ng
 RT: 21.531 min Scan# 2489
 Delta R.T. -0.005 min
 Lab File: BN025486.D
 Acq: 19 May 2023 11:28

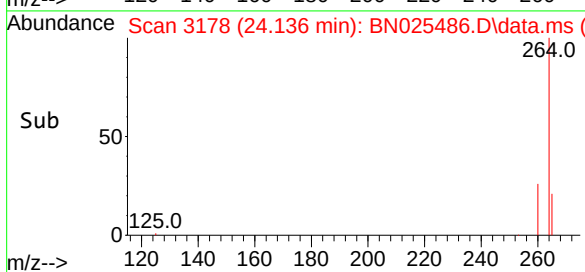
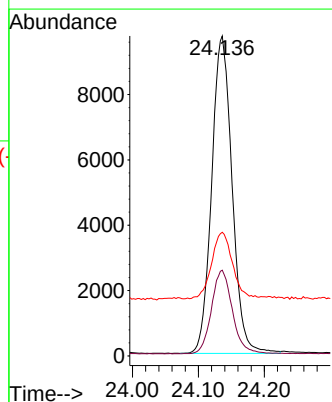
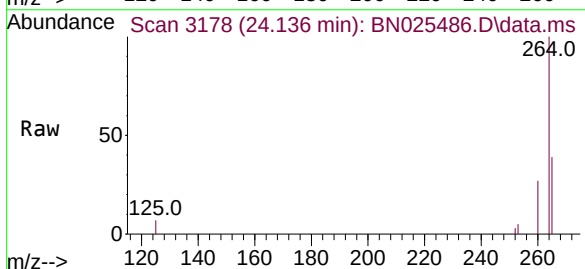
Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOIL

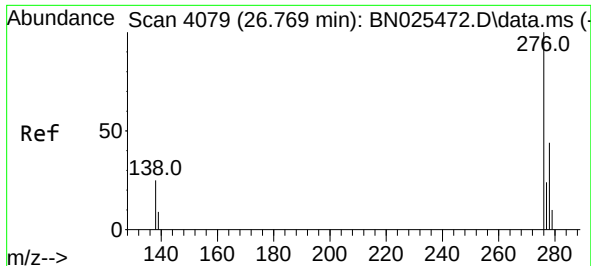
Tgt Ion:149 Resp: 10417
 Ion Ratio Lower Upper
 149 100
 167 27.4 22.0 33.0
 279 3.3 2.6 3.8



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.136 min Scan# 3178
 Delta R.T. -0.008 min
 Lab File: BN025486.D
 Acq: 19 May 2023 11:28

Tgt Ion:264 Resp: 20870
 Ion Ratio Lower Upper
 264 100
 260 26.8 21.2 31.8
 265 38.7 27.1 40.7

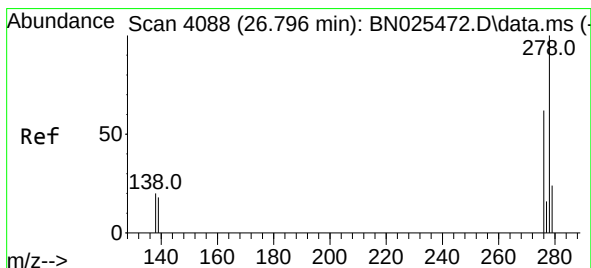
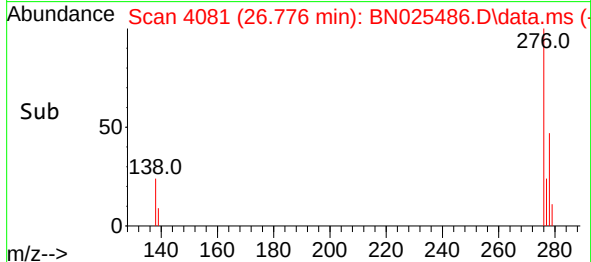
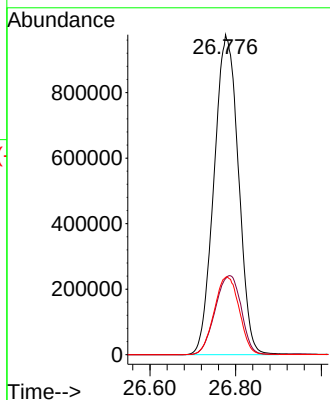
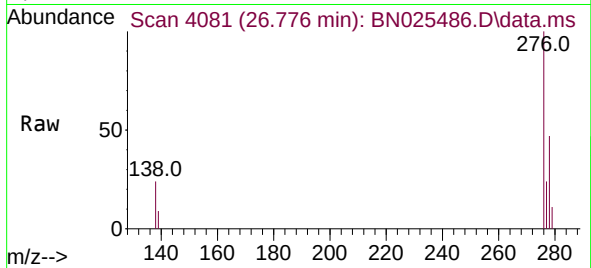




#36
 Indeno(1,2,3-cd)pyrene
 Concen: 45.645 ng
 RT: 26.776 min Scan# 4079
 Delta R.T. 0.007 min
 Lab File: BN025486.D
 Acq: 19 May 2023 11:28

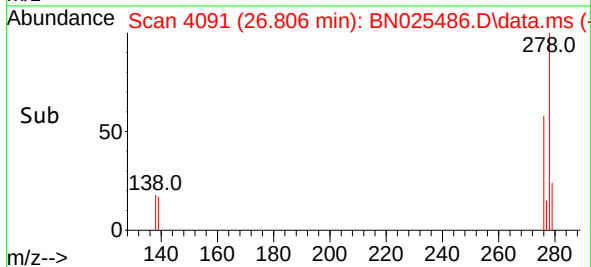
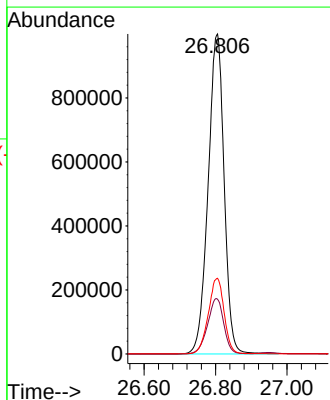
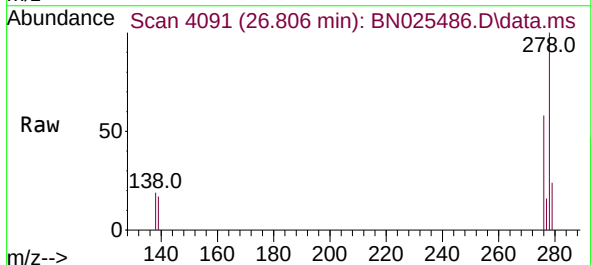
Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOIL

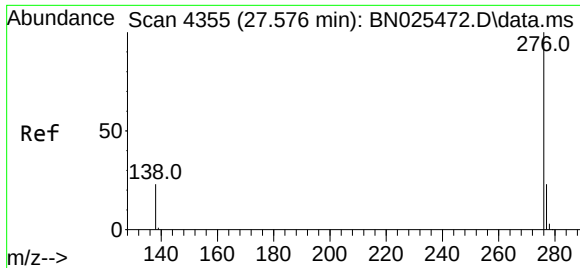
Tgt Ion:276 Resp: 3854766
 Ion Ratio Lower Upper
 276 100
 138 26.4 21.8 32.6
 277 25.0 19.7 29.5



#40
 Dibenzo(a,h)anthracene
 Concen: 46.005 ng
 RT: 26.806 min Scan# 4091
 Delta R.T. 0.010 min
 Lab File: BN025486.D
 Acq: 19 May 2023 11:28

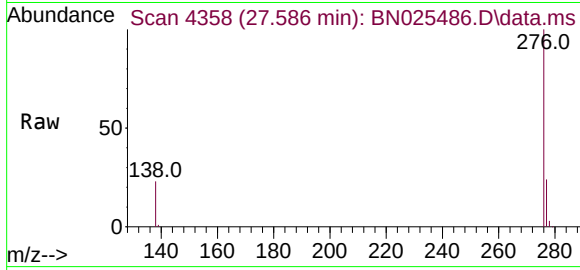
Tgt Ion:278 Resp: 3112581
 Ion Ratio Lower Upper
 278 100
 139 17.1 15.0 22.6
 279 23.7 20.5 30.7





#41
Benzo(g,h,i)perylene
Concen: 25.374 ng
RT: 27.586 min Scan# 41
Delta R.T. 0.010 min
Lab File: BN025486.D
Acq: 19 May 2023 11:28

Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL



Tgt Ion:276 Resp: 1809900
Ion Ratio Lower Upper
276 100
277 23.6 19.2 28.8
138 23.0 19.2 28.8

