

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051923\
 Data File : BN025487.D
 Acq On : 19 May 2023 13:01
 Operator : CG/JU
 Sample : 02500-12DL 20X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOILD

Quant Time: May 19 13:39:52 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)

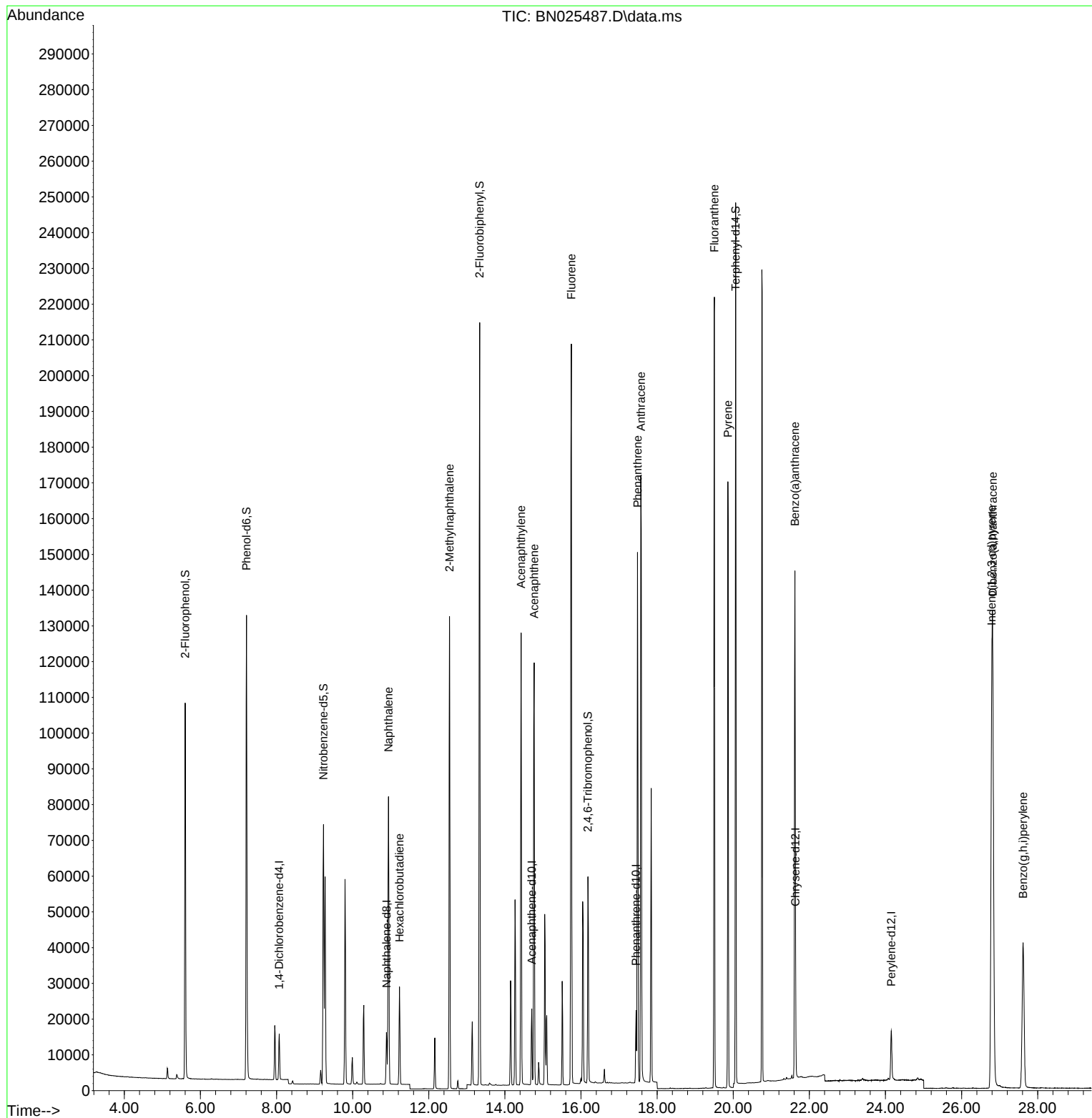
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.070	152	6334	0.400	ng	0.00
7) Naphthalene-d8	10.888	136	19099	0.400	ng	#-0.01
13) Acenaphthene-d10	14.704	164	11882	0.400	ng	0.00
19) Phenanthrene-d10	17.447	188	26947	0.400	ng	0.00
29) Chrysene-d12	21.638	240	22639	0.400	ng	0.00
35) Perylene-d12	24.151	264	20864	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.600	112	84761	5.929	ng	-0.01
5) Phenol-d6	7.210	99	117026	6.377	ng	0.00
8) Nitrobenzene-d5	9.233	82	59343	3.892	ng	0.00
11) 2-Methylnaphthalene-d10	12.449	152	9	0.000	ng	-0.03
14) 2,4,6-Tribromophenol	16.181	330	31530	6.805	ng	-0.01
15) 2-Fluorobiphenyl	13.336	172	180599	3.973	ng	0.00
27) Fluoranthene-d10	19.468	212	34	0.001	ng	0.00
31) Terphenyl-d14	20.062	244	204748	5.088	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.942	128	104035	2.141	ng	100
10) Hexachlorobutadiene	11.230	225	22032	2.388	ng	# 98
12) 2-Methylnaphthalene	12.543	142	91836	2.613	ng	100
16) Acenaphthylene	14.426	152	136081	2.508	ng	100
17) Acenaphthene	14.769	154	60369	1.687	ng	96
18) Fluorene	15.747	166	125401	2.833	ng	97
25) Phenanthrene	17.484	178	144382	1.829	ng	100
26) Anthracene	17.571	178	202986	2.748	ng	100
28) Fluoranthene	19.502	202	199784	2.226	ng	100
30) Pyrene	19.860	202	150466	1.666	ng	100
32) Benzo(a)anthracene	21.620	228	127903	1.560	ng	99
36) Indeno(1,2,3-cd)pyrene	26.791	276	214736	2.543	ng	100
40) Dibenzo(a,h)anthracene	26.817	278	174752	2.584	ng	97
41) Benzo(g,h,i)perylene	27.615	276	96472	1.353	ng	99

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

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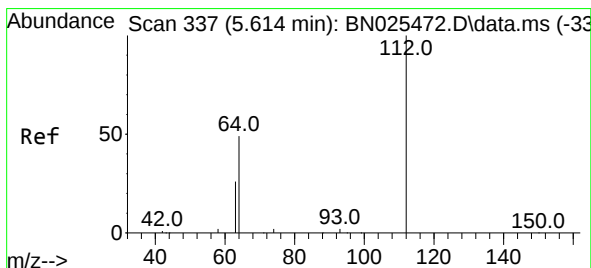
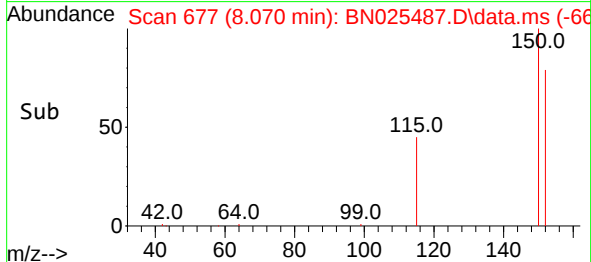
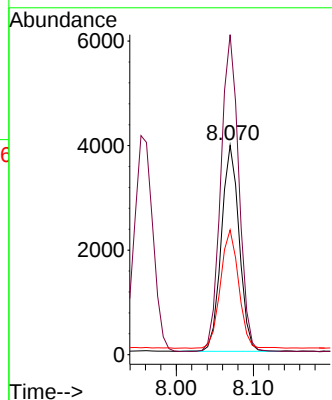
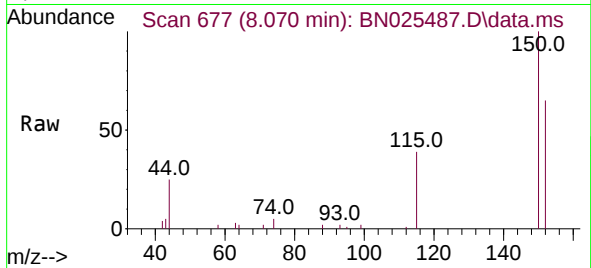




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.070 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN025487.D
Acq: 19 May 2023 13:01

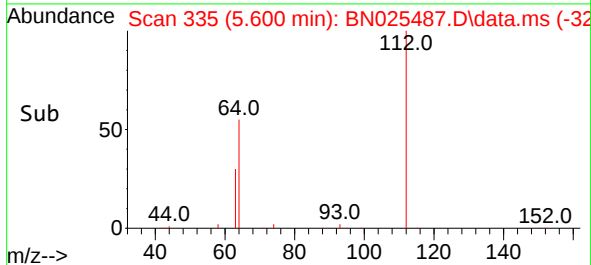
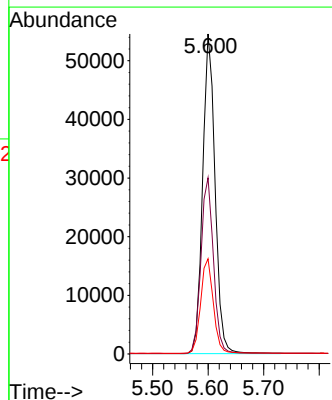
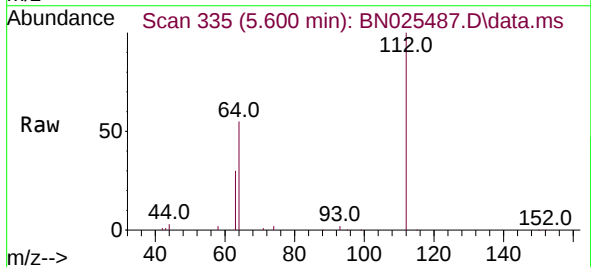
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILD

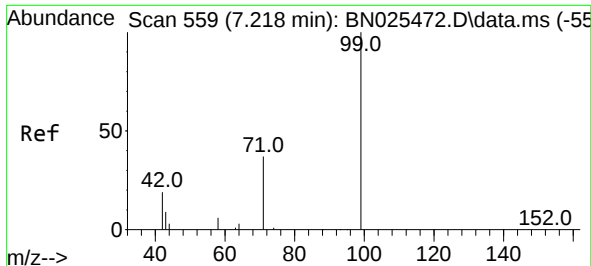
Tgt Ion:152 Resp: 6334
Ion Ratio Lower Upper
152 100
150 152.9 125.3 187.9
115 59.6 50.2 75.2



#4
2-Fluorophenol
Concen: 5.929 ng
RT: 5.600 min Scan# 335
Delta R.T. -0.015 min
Lab File: BN025487.D
Acq: 19 May 2023 13:01

Tgt Ion:112 Resp: 84761
Ion Ratio Lower Upper
112 100
64 55.7 44.0 66.0
63 30.1 24.0 36.0

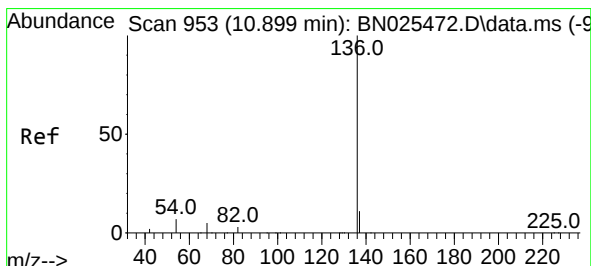
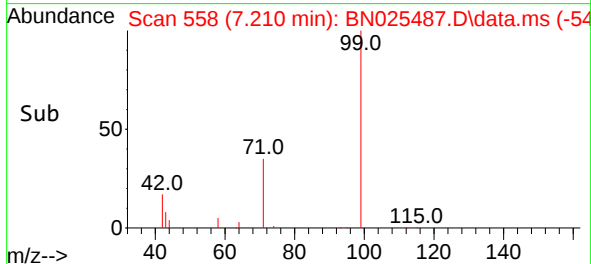
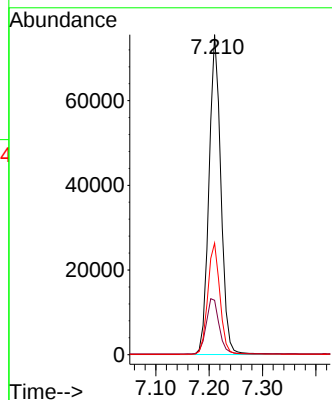
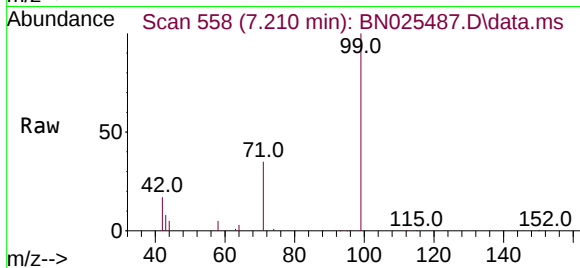




#5
Phenol-d6
Concen: 6.377 ng
RT: 7.210 min Scan# 51
Delta R.T. -0.008 min
Lab File: BN025487.D
Acq: 19 May 2023 13:01

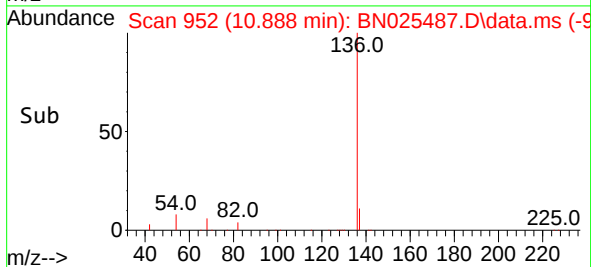
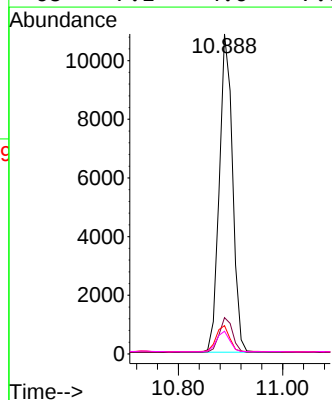
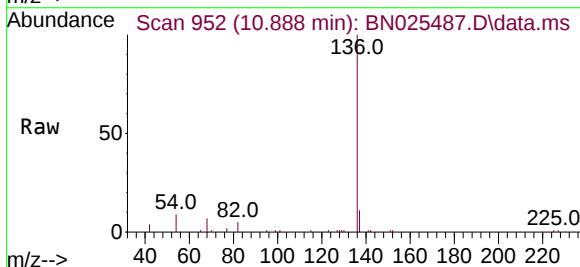
Instrument :
BNA_N
ClientSampleId :
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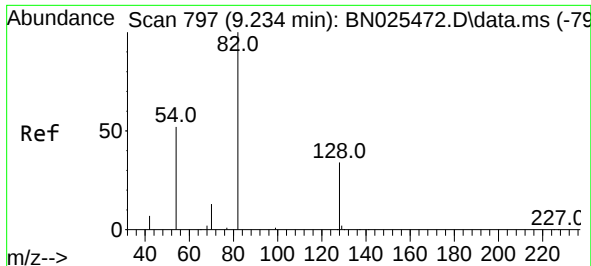
Tgt Ion: 99 Resp: 117026
Ion Ratio Lower Upper
99 100
42 18.8 15.8 23.8
71 35.6 28.6 43.0



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.888 min Scan# 952
Delta R.T. -0.011 min
Lab File: BN025487.D
Acq: 19 May 2023 13:01

Tgt Ion: 136 Resp: 19099
Ion Ratio Lower Upper
136 100
137 11.3 9.1 13.7
54 8.9 5.8 8.6#
68 7.1 4.6 7.0#

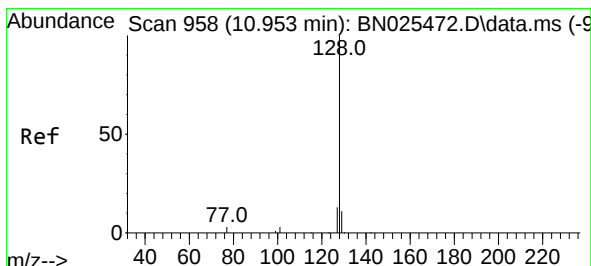
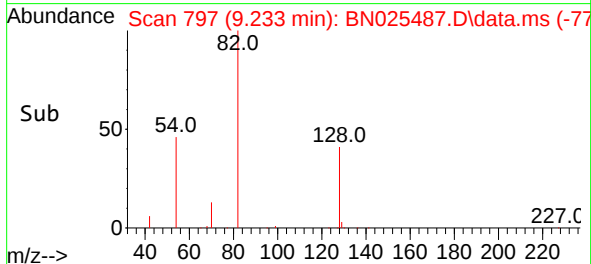
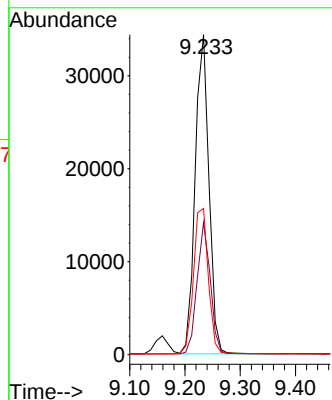
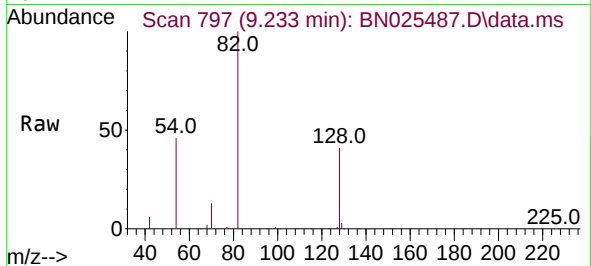




#8
Nitrobenzene-d5
Concen: 3.892 ng
RT: 9.233 min Scan# 797
Delta R.T. -0.000 min
Lab File: BN025487.D
Acq: 19 May 2023 13:01

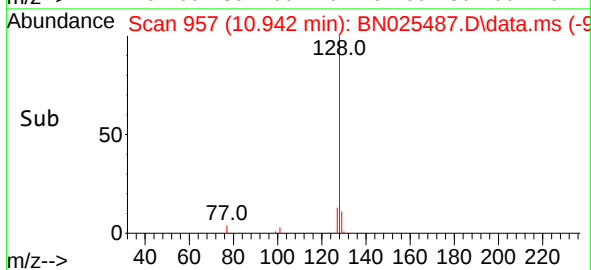
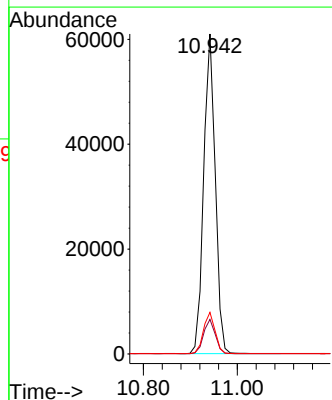
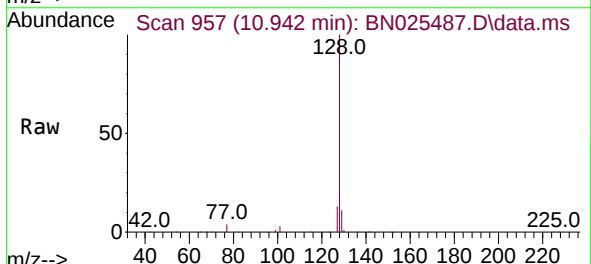
Instrument :
BNA_N
ClientSampleId :
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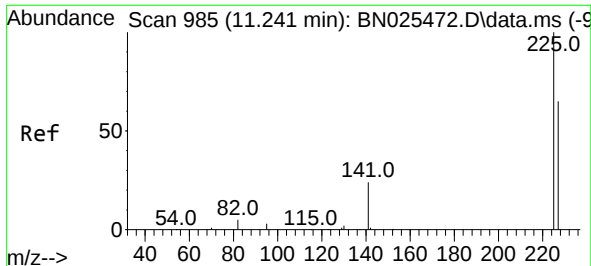
Tgt Ion: 82 Resp: 59343
Ion Ratio Lower Upper
82 100
128 41.2 27.9 41.9
54 45.7 42.4 63.6



#9
Naphthalene
Concen: 2.141 ng
RT: 10.942 min Scan# 957
Delta R.T. -0.011 min
Lab File: BN025487.D
Acq: 19 May 2023 13:01

Tgt Ion: 128 Resp: 104035
Ion Ratio Lower Upper
128 100
129 10.8 8.9 13.3
127 13.0 10.4 15.6

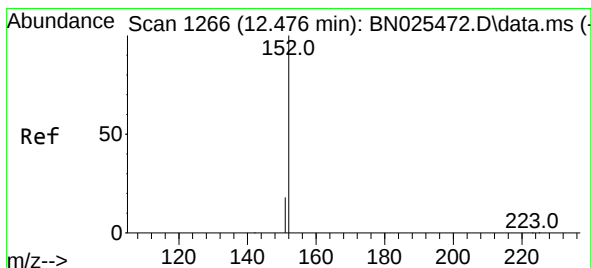
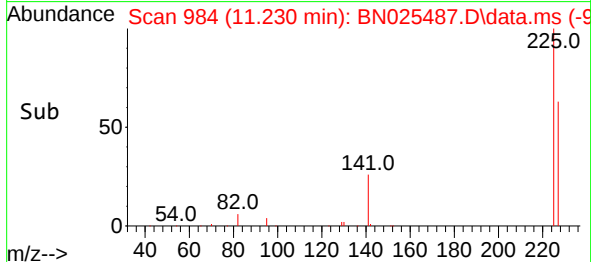
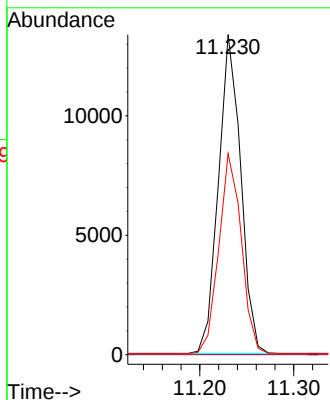
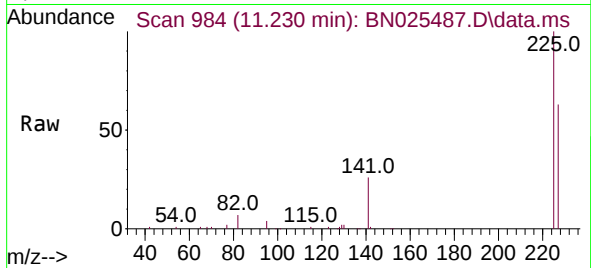




#10
Hexachlorobutadiene
Concen: 2.388 ng
RT: 11.230 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN025487.D
Acq: 19 May 2023 13:01

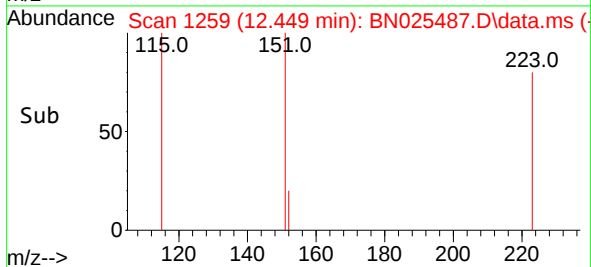
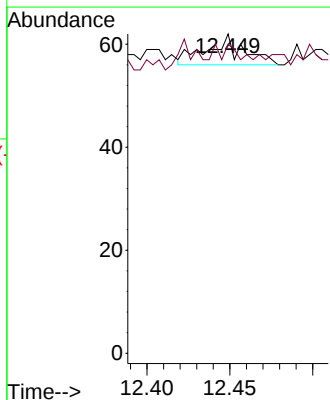
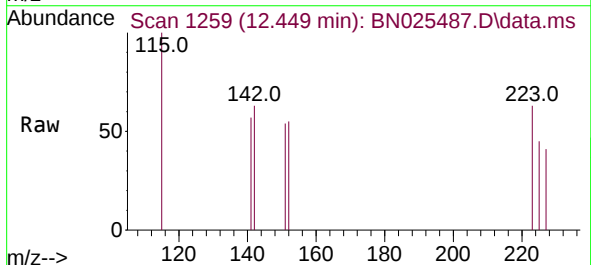
Instrument :
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ClientSampleId :
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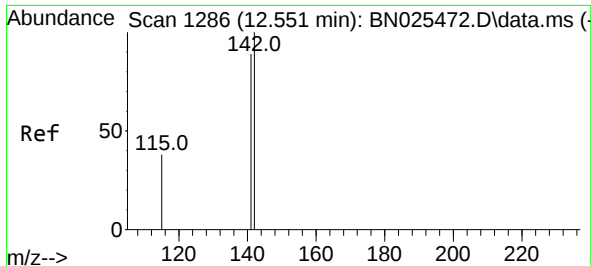
Tgt Ion:225 Resp: 22032
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.1 51.4 77.2



#11
2-Methylnaphthalene-d10
Concen: 0.000 ng
RT: 12.449 min Scan# 1259
Delta R.T. -0.027 min
Lab File: BN025487.D
Acq: 19 May 2023 13:01

Tgt Ion:152 Resp: 9
Ion Ratio Lower Upper
152 100
151 11.1 16.6 24.8#

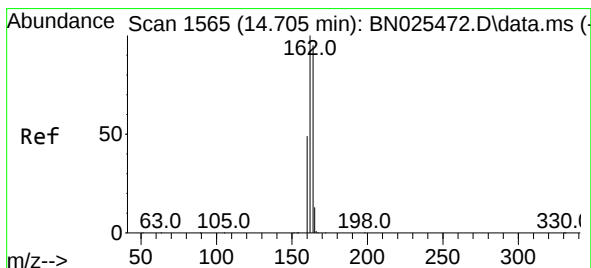
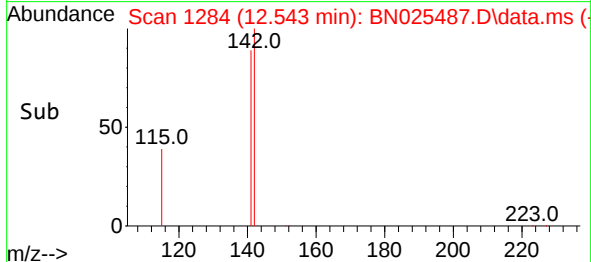
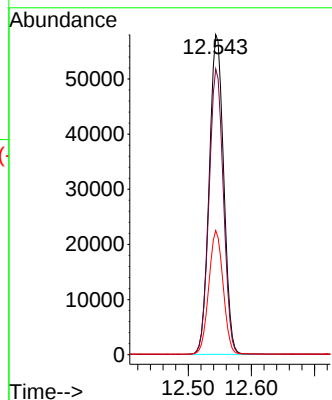
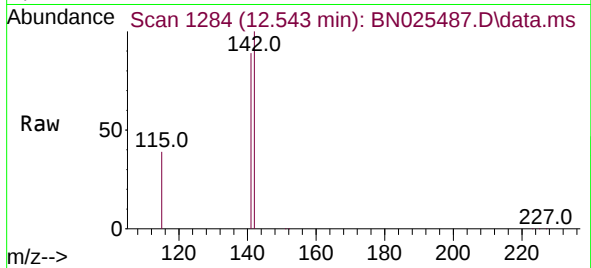




#12
2-Methylnaphthalene
Concen: 2.613 ng
RT: 12.543 min Scan# 1284
Delta R.T. -0.008 min
Lab File: BN025487.D
Acq: 19 May 2023 13:01

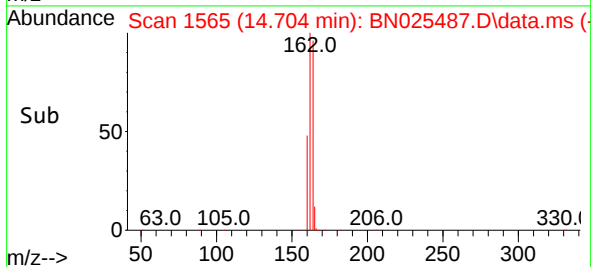
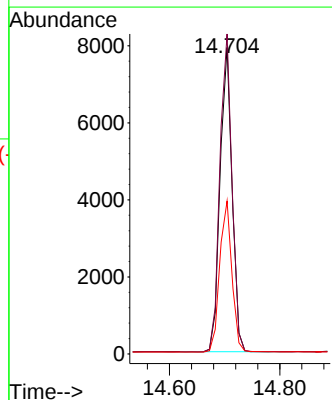
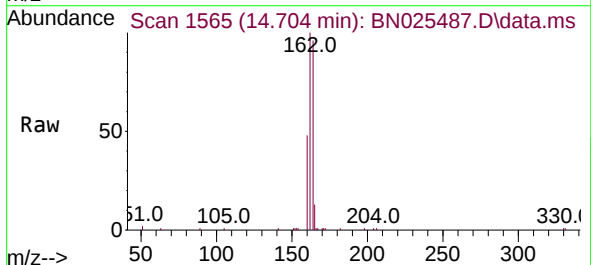
Instrument :
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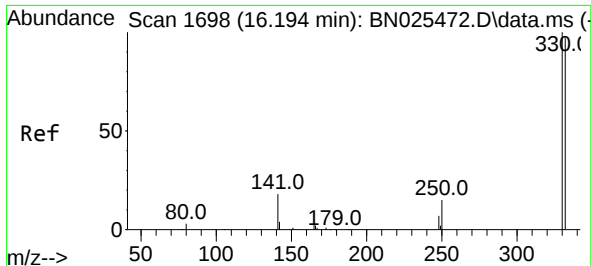
Tgt Ion:142 Resp: 91836
Ion Ratio Lower Upper
142 100
141 89.3 71.1 106.7
115 38.8 31.3 46.9



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.704 min Scan# 1565
Delta R.T. -0.000 min
Lab File: BN025487.D
Acq: 19 May 2023 13:01

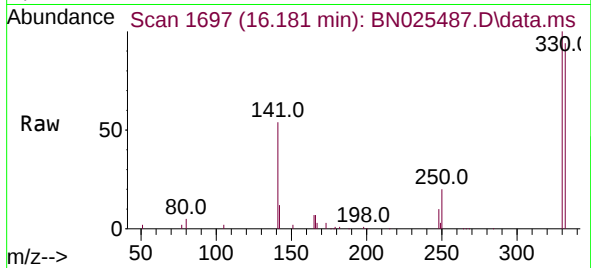
Tgt Ion:164 Resp: 11882
Ion Ratio Lower Upper
164 100
162 104.4 84.2 126.2
160 49.9 41.4 62.2



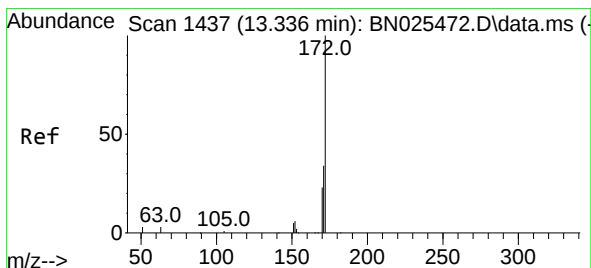
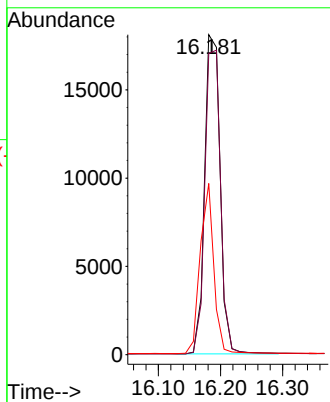
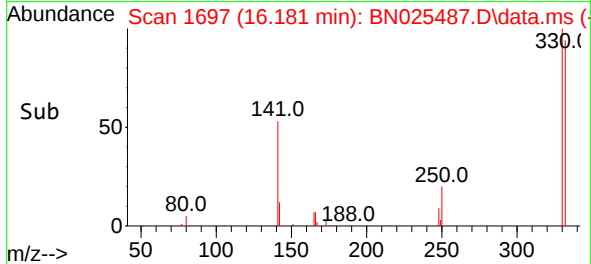


#14
2,4,6-Tribromophenol
Concen: 6.805 ng
RT: 16.181 min Scan# 1697
Delta R.T. -0.013 min
Lab File: BN025487.D
Acq: 19 May 2023 13:01

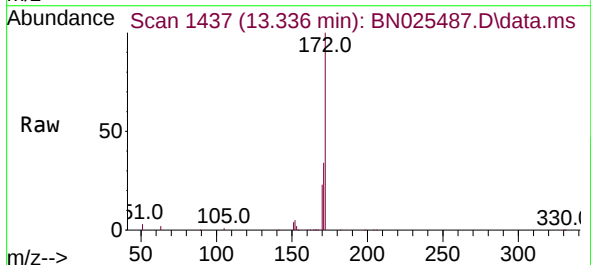
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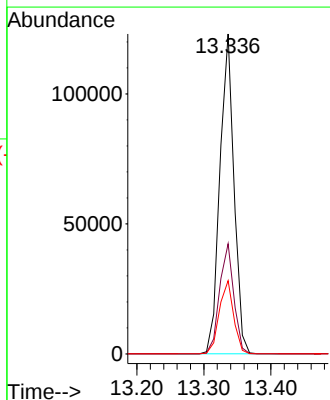
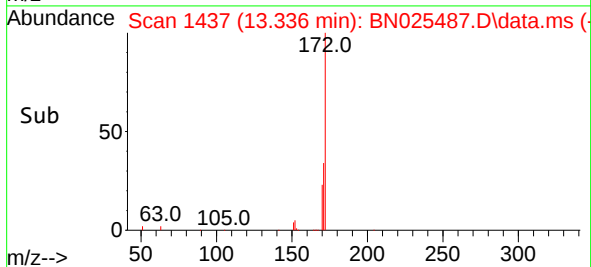
Tgt Ion:330 Resp: 31530
Ion Ratio Lower Upper
330 100
332 96.7 76.1 114.1
141 46.7 36.1 54.1

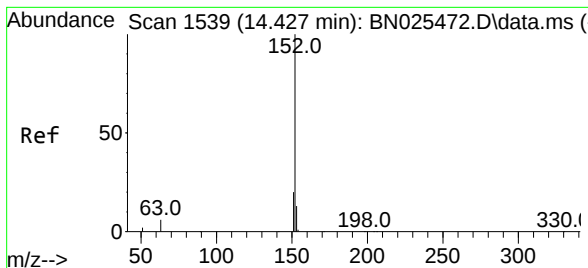


#15
2-Fluorobiphenyl
Concen: 3.973 ng
RT: 13.336 min Scan# 1437
Delta R.T. -0.000 min
Lab File: BN025487.D
Acq: 19 May 2023 13:01



Tgt Ion:172 Resp: 180599
Ion Ratio Lower Upper
172 100
171 34.4 27.6 41.4
170 22.9 18.9 28.3





#16

Acenaphthylene

Concen: 2.508 ng

RT: 14.426 min Scan# 1539

Delta R.T. -0.000 min

Lab File: BN025487.D

Acq: 19 May 2023 13:01

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOILD

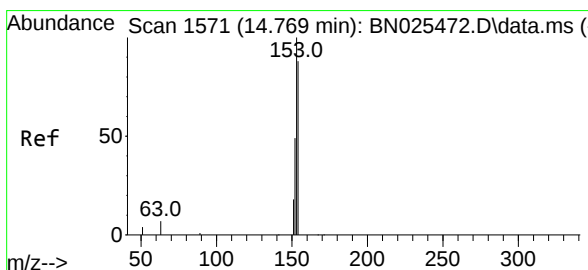
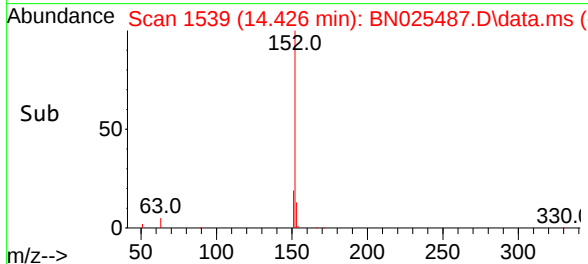
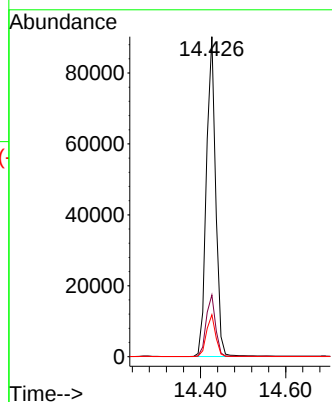
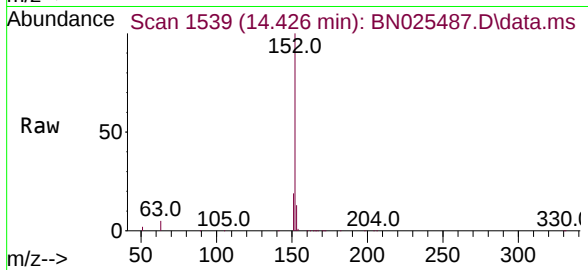
Tgt Ion:152 Resp: 136081

Ion Ratio Lower Upper

152 100

151 19.4 15.4 23.2

153 13.0 10.3 15.5



#17

Acenaphthene

Concen: 1.687 ng

RT: 14.769 min Scan# 1571

Delta R.T. -0.000 min

Lab File: BN025487.D

Acq: 19 May 2023 13:01

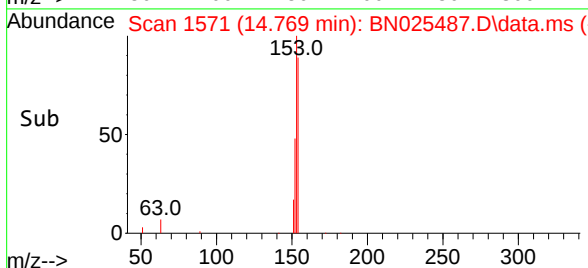
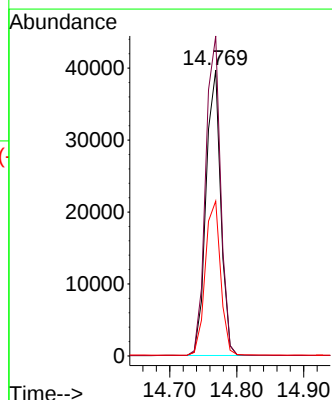
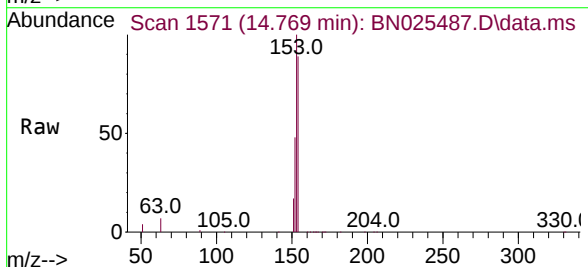
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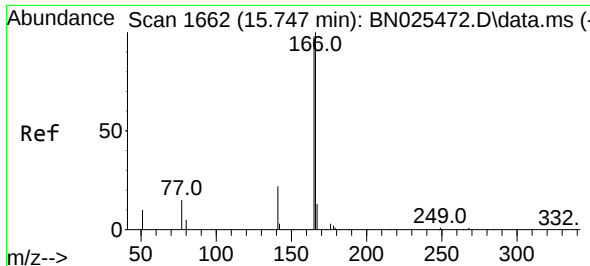
Ion Ratio Lower Upper

154 100

153 114.1 86.9 130.3

152 56.3 43.9 65.9

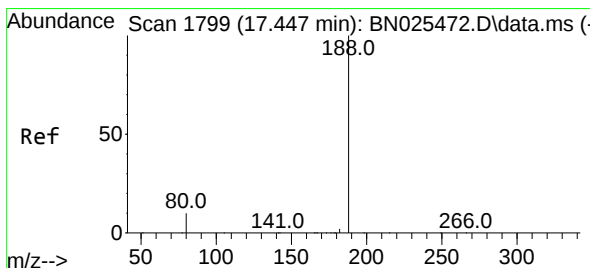
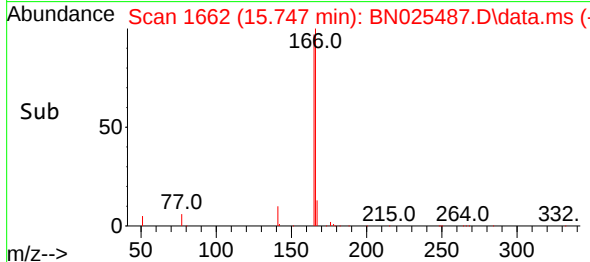
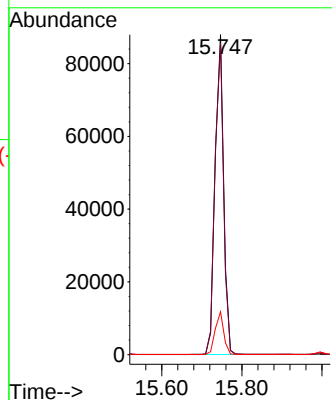
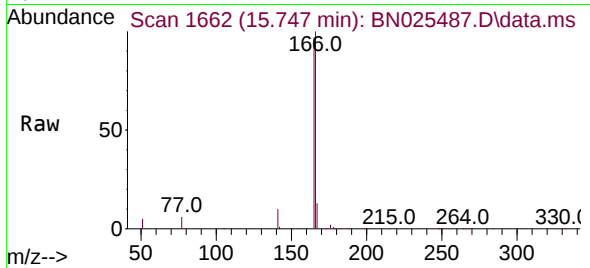




#18
Fluorene
Concen: 2.833 ng
RT: 15.747 min Scan# 1662
Delta R.T. -0.000 min
Lab File: BN025487.D
Acq: 19 May 2023 13:01

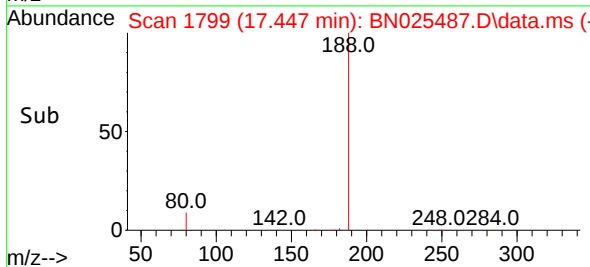
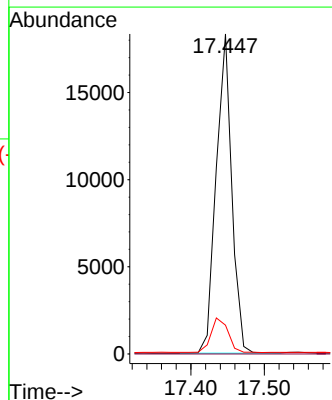
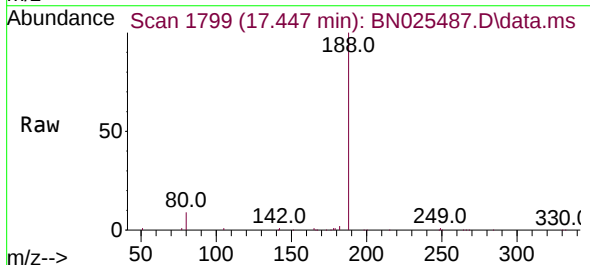
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILD

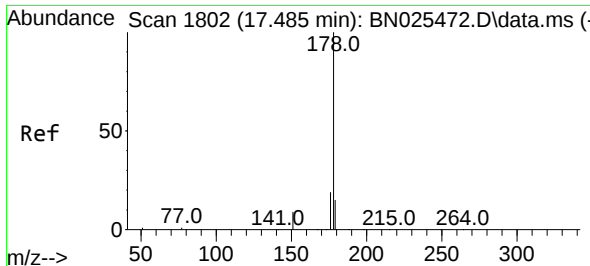
Tgt Ion:166 Resp: 125401
Ion Ratio Lower Upper
166 100
165 97.2 79.9 119.9
167 13.3 11.2 16.8



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.447 min Scan# 1799
Delta R.T. -0.000 min
Lab File: BN025487.D
Acq: 19 May 2023 13:01

Tgt Ion:188 Resp: 26947
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.0 8.2 12.4

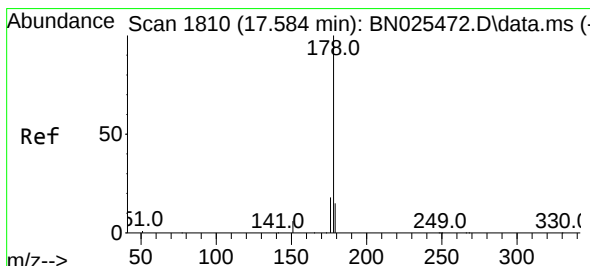
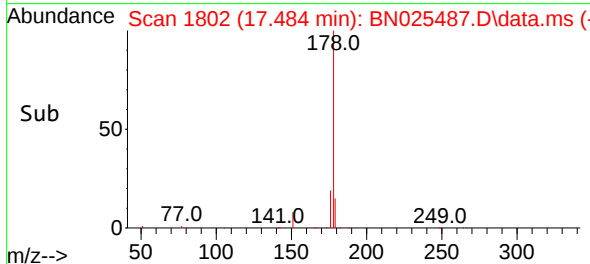
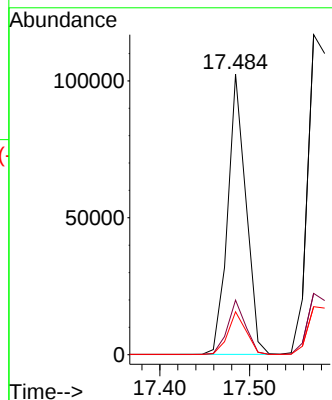
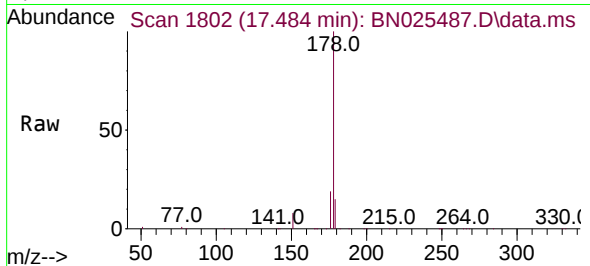




#25
Phenanthrene
Concen: 1.829 ng
RT: 17.484 min Scan# 1802
Delta R.T. -0.000 min
Lab File: BN025487.D
Acq: 19 May 2023 13:01

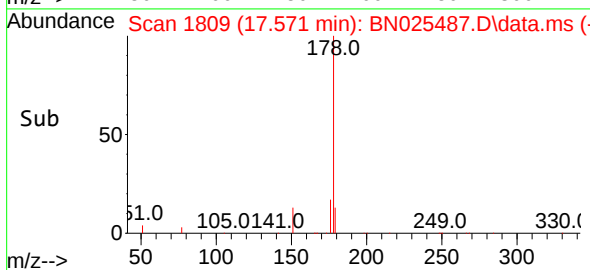
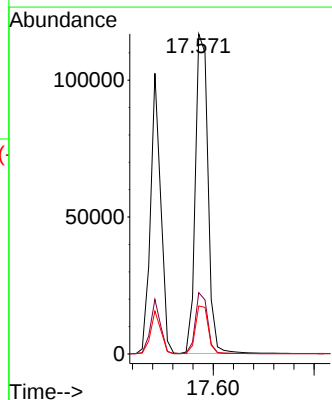
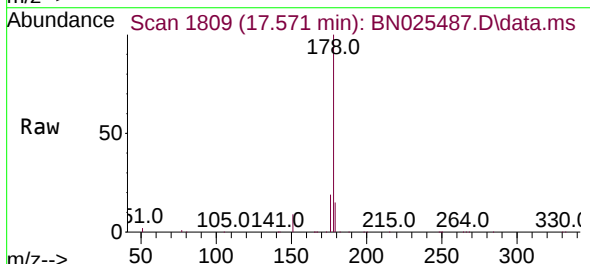
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILD

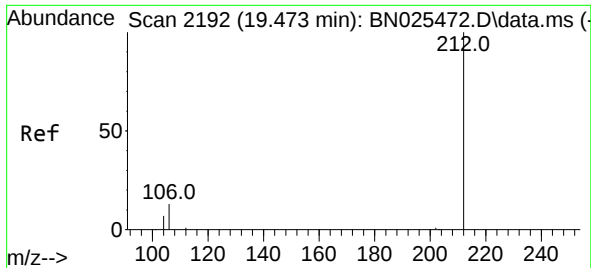
Tgt Ion:178 Resp: 144382
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.2 12.1 18.1



#26
Anthracene
Concen: 2.748 ng
RT: 17.571 min Scan# 1809
Delta R.T. -0.013 min
Lab File: BN025487.D
Acq: 19 May 2023 13:01

Tgt Ion:178 Resp: 202986
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 15.1 12.1 18.1

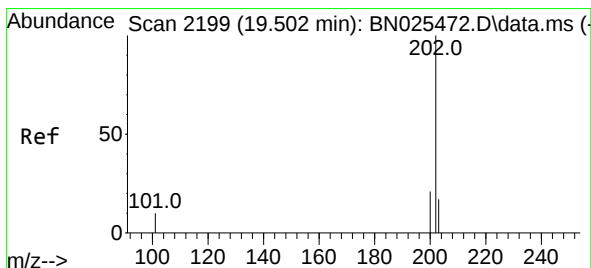
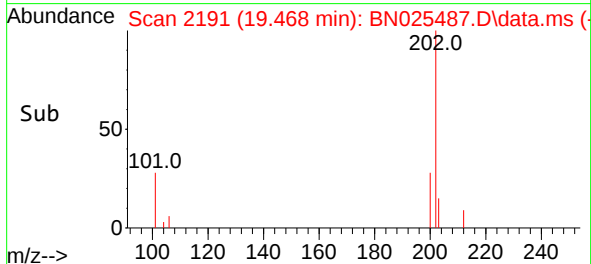
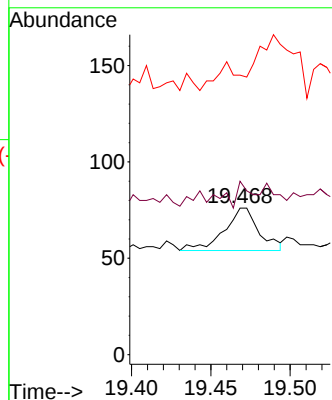
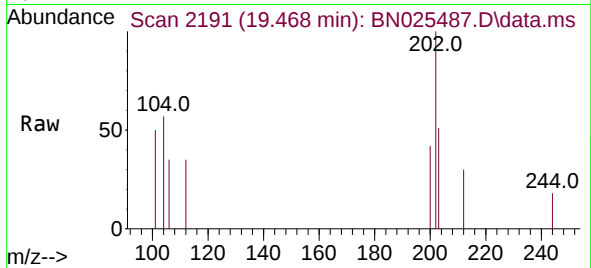




#27
Fluoranthene-d10
Concen: 0.001 ng
RT: 19.468 min Scan# 2191
Delta R.T. -0.005 min
Lab File: BN025487.D
Acq: 19 May 2023 13:01

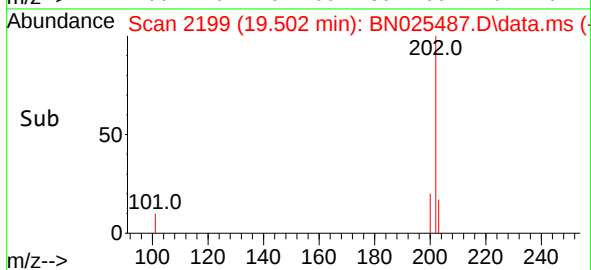
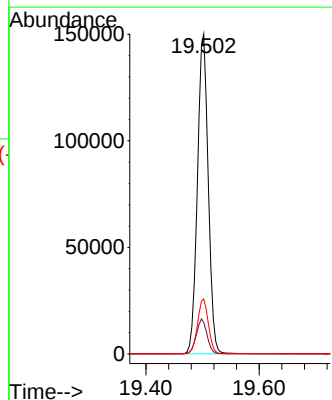
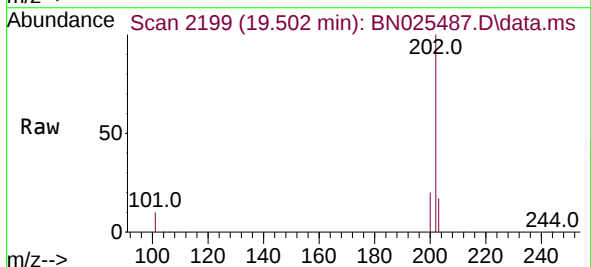
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILDL

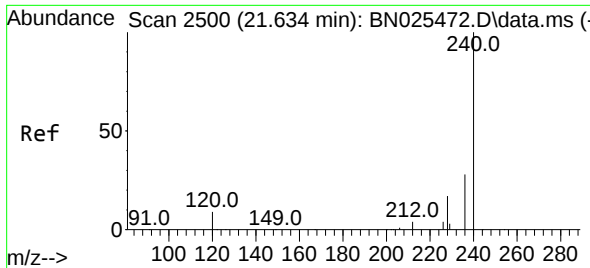
Tgt Ion:212 Resp: 34
Ion Ratio Lower Upper
212 100
106 23.5 11.4 17.2#
104 41.2 6.6 10.0#



#28
Fluoranthene
Concen: 2.226 ng
RT: 19.502 min Scan# 2199
Delta R.T. -0.000 min
Lab File: BN025487.D
Acq: 19 May 2023 13:01

Tgt Ion:202 Resp: 199784
Ion Ratio Lower Upper
202 100
101 10.8 8.7 13.1
203 17.2 13.8 20.6

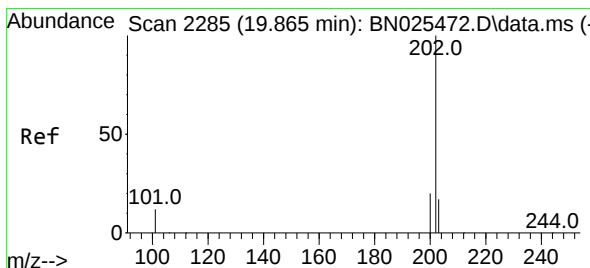
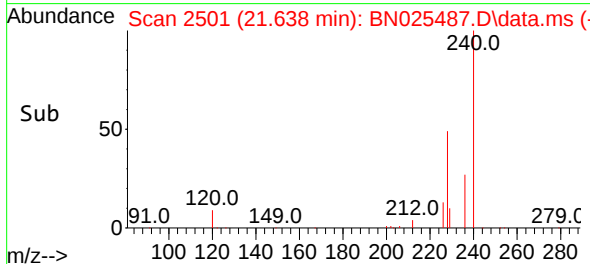
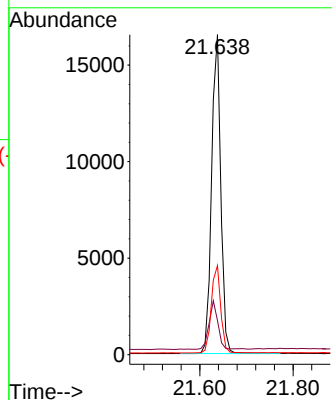
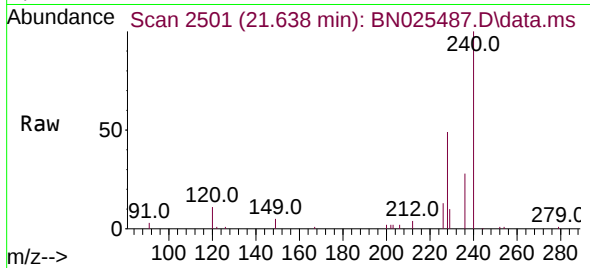




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.638 min Scan# 21
Delta R.T. 0.004 min
Lab File: BN025487.D
Acq: 19 May 2023 13:01

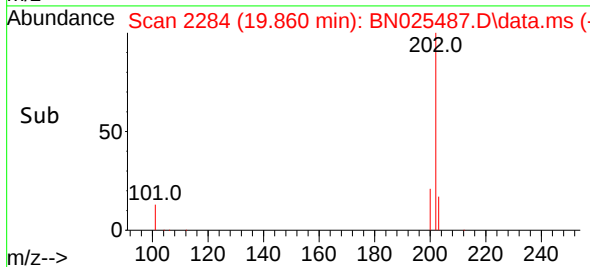
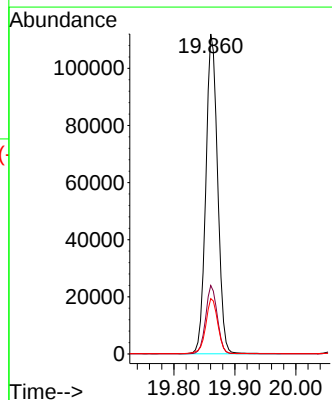
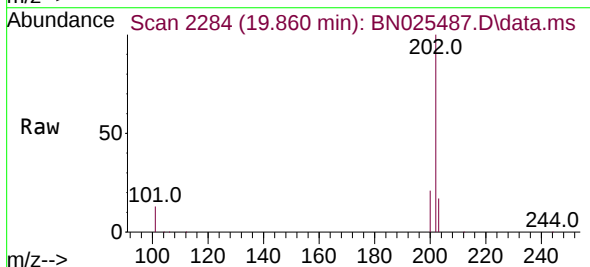
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILDL

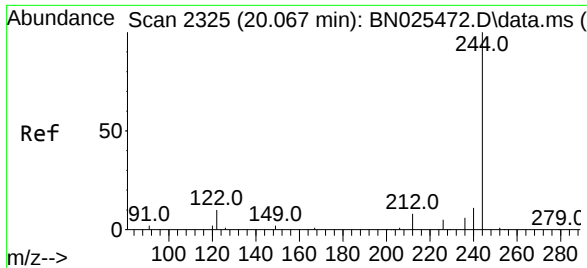
Tgt Ion:240 Resp: 22639
Ion Ratio Lower Upper
240 100
120 10.7 8.6 12.8
236 27.9 22.7 34.1



#30
Pyrene
Concen: 1.666 ng
RT: 19.860 min Scan# 2284
Delta R.T. -0.005 min
Lab File: BN025487.D
Acq: 19 May 2023 13:01

Tgt Ion:202 Resp: 150466
Ion Ratio Lower Upper
202 100
200 21.1 16.8 25.2
203 17.7 14.2 21.4

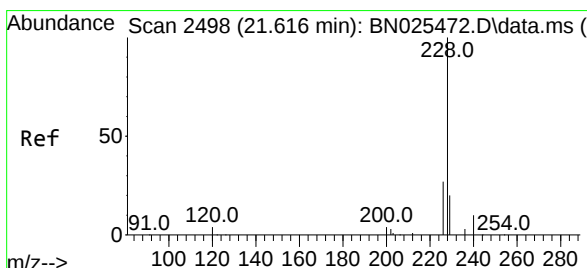
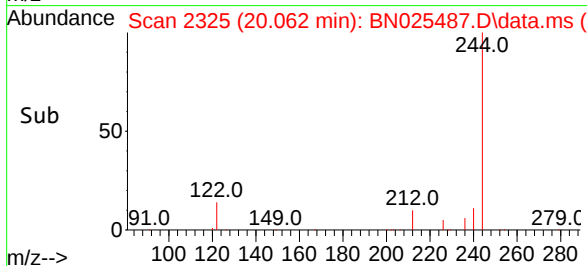
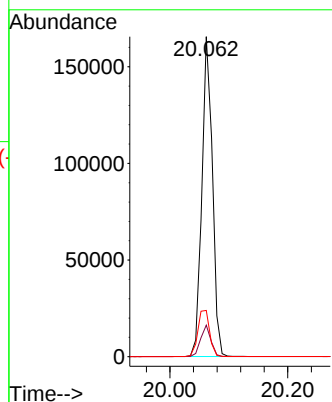
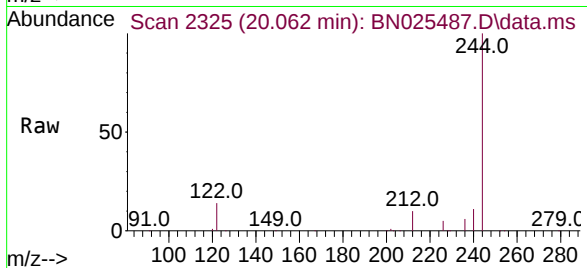




#31
 Terphenyl-d14
 Concen: 5.088 ng
 RT: 20.062 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BN025487.D
 Acq: 19 May 2023 13:01

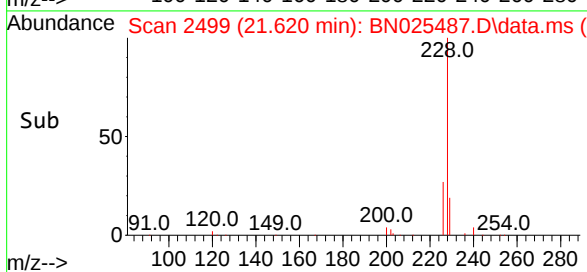
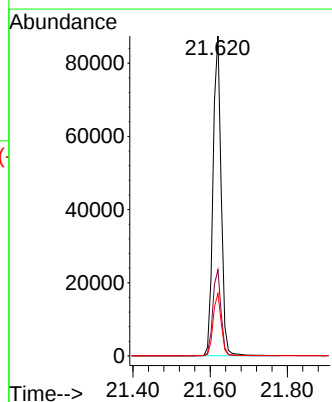
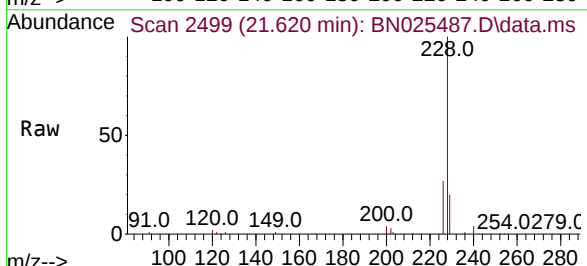
Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOILD

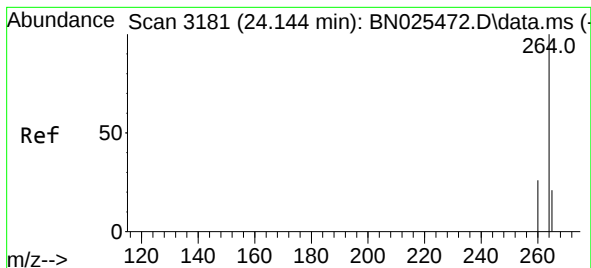
Tgt Ion:244 Resp: 204748
 Ion Ratio Lower Upper
 244 100
 212 9.9 6.6 10.0
 122 14.4 8.1 12.1#



#32
 Benzo(a)anthracene
 Concen: 1.560 ng
 RT: 21.620 min Scan# 2499
 Delta R.T. 0.004 min
 Lab File: BN025487.D
 Acq: 19 May 2023 13:01

Tgt Ion:228 Resp: 127903
 Ion Ratio Lower Upper
 228 100
 226 27.0 22.1 33.1
 229 19.5 15.8 23.8





#35

Perylene-d12

Concen: 0.400 ng

RT: 24.151 min Scan# 31

Delta R.T. 0.007 min

Lab File: BN025487.D

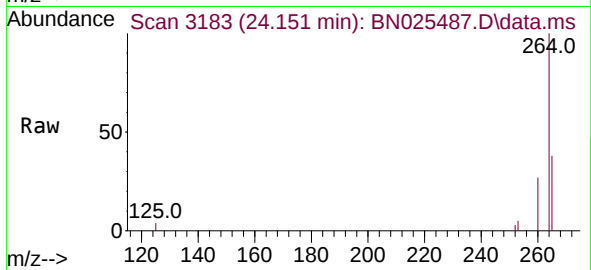
Acq: 19 May 2023 13:01

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOILD



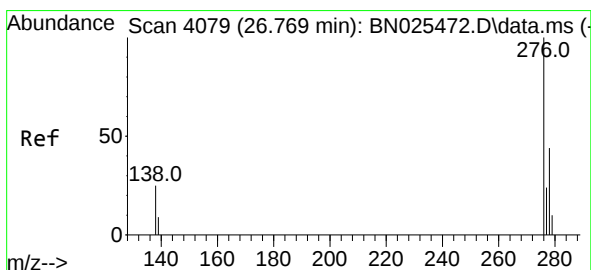
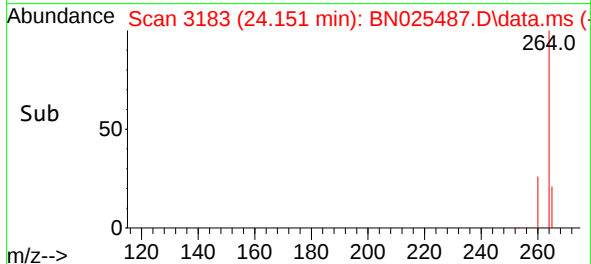
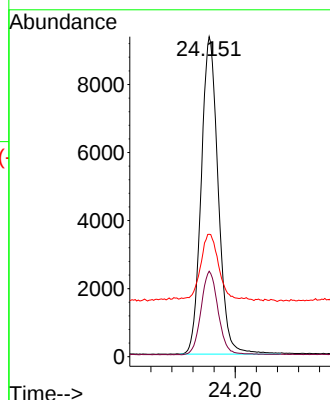
Tgt Ion:264 Resp: 20864

Ion Ratio Lower Upper

264 100

260 26.7 21.2 31.8

265 38.3 27.1 40.7



#36

Indeno(1,2,3-cd)pyrene

Concen: 2.543 ng

RT: 26.791 min Scan# 4086

Delta R.T. 0.021 min

Lab File: BN025487.D

Acq: 19 May 2023 13:01

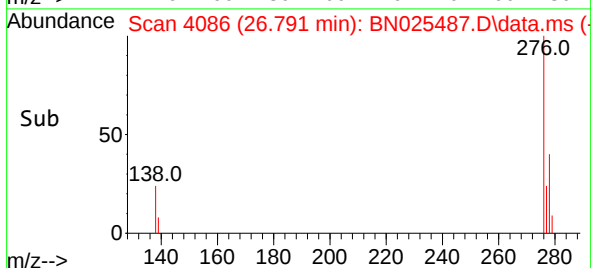
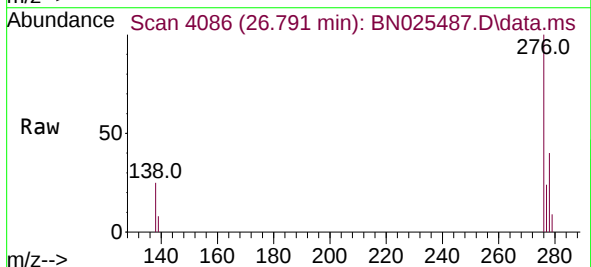
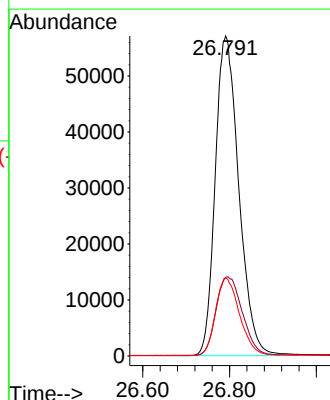
Tgt Ion:276 Resp: 214736

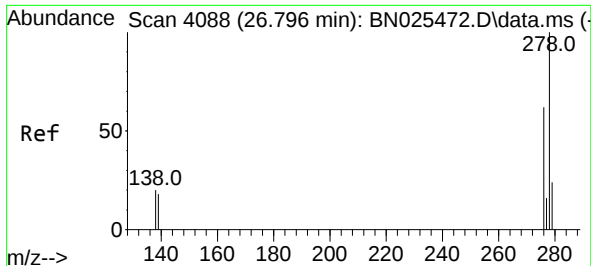
Ion Ratio Lower Upper

276 100

138 27.4 21.8 32.6

277 24.7 19.7 29.5

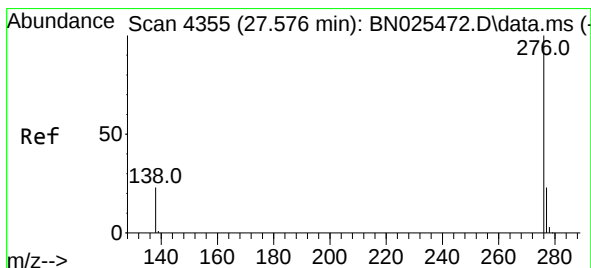
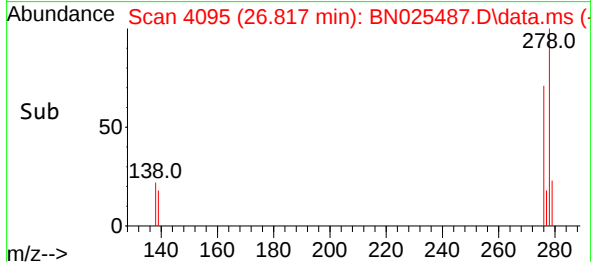
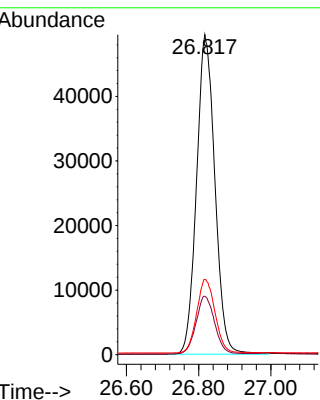
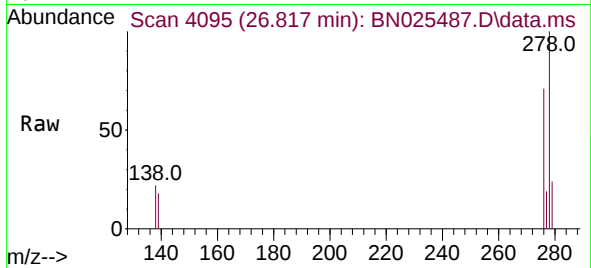




#40
Dibenzo(a,h)anthracene
Concen: 2.584 ng
RT: 26.817 min Scan# 4088
Delta R.T. 0.021 min
Lab File: BN025487.D
Acq: 19 May 2023 13:01

Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILD

Tgt Ion:278 Resp: 174752
Ion Ratio Lower Upper
278 100
139 18.3 15.0 22.6
279 23.6 20.5 30.7



#41
Benzo(g,h,i)perylene
Concen: 1.353 ng
RT: 27.615 min Scan# 4368
Delta R.T. 0.039 min
Lab File: BN025487.D
Acq: 19 May 2023 13:01

Tgt Ion:276 Resp: 96472
Ion Ratio Lower Upper
276 100
277 23.5 19.2 28.8
138 23.4 19.2 28.8

