

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051723\
 Data File : BN025452.D
 Acq On : 17 May 2023 13:27
 Operator : CG/JU
 Sample : 02500-14DL 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PT-PAH-SOILD

Quant Time: May 17 14:07:23 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 17 02:52:36 2023
 Response via : Initial Calibration

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

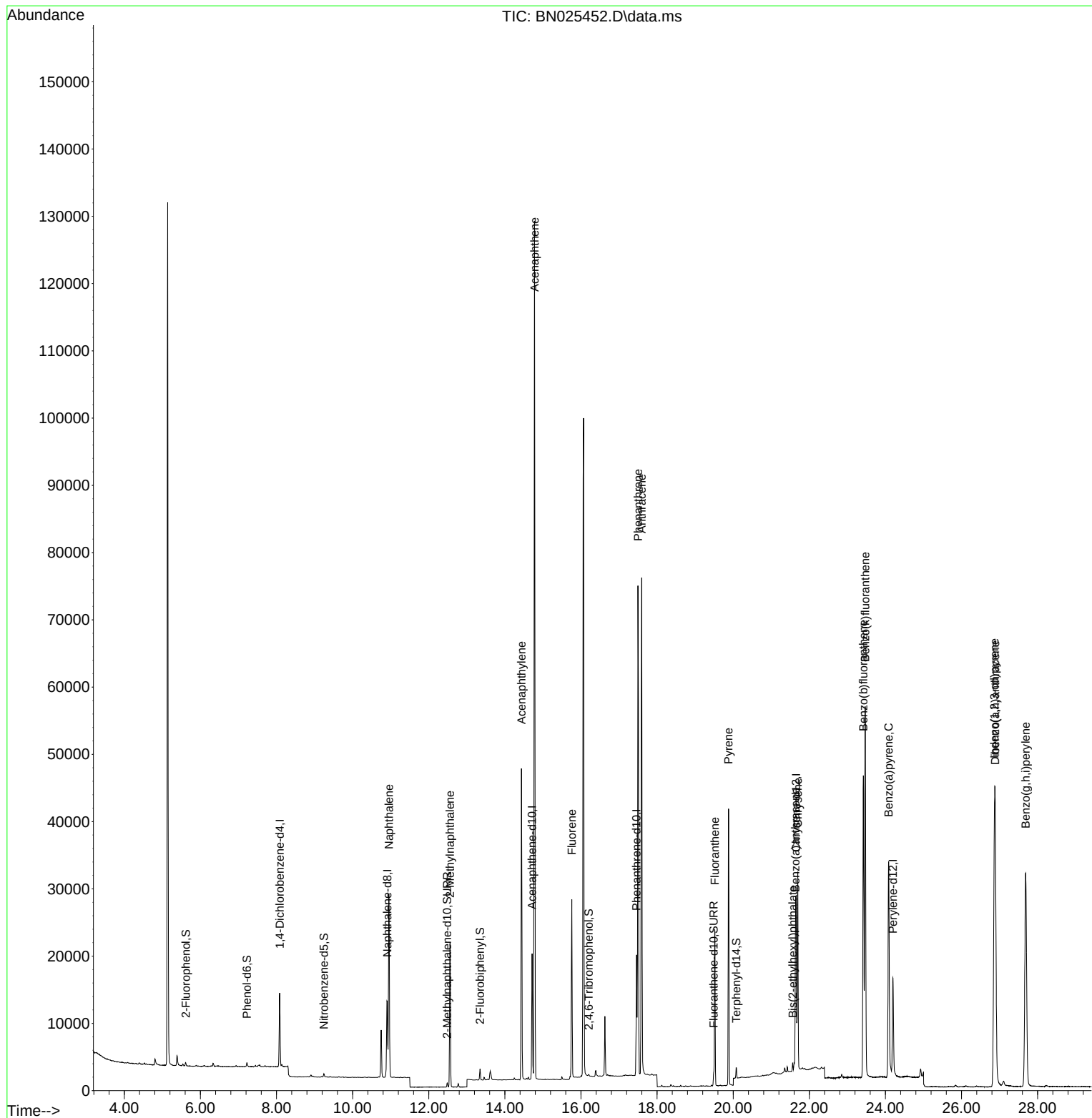
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.084	152	5598	0.400	ng	0.00
7) Naphthalene-d8	10.910	136	16406	0.400	ng	# 0.00
13) Acenaphthene-d10	14.715	164	10036	0.400	ng	0.00
19) Phenanthrene-d10	17.460	188	22739	0.400	ng	0.00
29) Chrysene-d12	21.652	240	19434	0.400	ng	0.00
35) Perylene-d12	24.199	264	21009	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.614	112	455	0.038	ng	0.00
5) Phenol-d6	7.225	99	629	0.039	ng	0.00
8) Nitrobenzene-d5	9.244	82	464	0.041	ng	-0.01
11) 2-Methylnaphthalene-d10	12.487	152	847	0.037	ng	0.00
14) 2,4,6-Tribromophenol	16.206	330	127	0.037	ng	0.00
15) 2-Fluorobiphenyl	13.347	172	1408	0.038	ng	-0.01
27) Fluoranthene-d10	19.485	212	2204	0.041	ng	0.00
31) Terphenyl-d14	20.085	244	1527	0.043	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.953	128	35231	0.861	ng	99
12) 2-Methylnaphthalene	12.559	142	15091	0.501	ng	99
16) Acenaphthylene	14.437	152	48559	1.049	ng	100
17) Acenaphthene	14.779	154	60174	2.092	ng	99
18) Fluorene	15.759	166	17472	0.462	ng	96
25) Phenanthrene	17.497	178	78585	1.228	ng	99
26) Anthracene	17.596	178	82976	1.340	ng	100
28) Fluoranthene	19.515	202	20931	0.276	ng	100
30) Pyrene	19.877	202	35357	0.477	ng	99
32) Benzo(a)anthracene	21.634	228	18841	0.276	ng	99
33) Chrysene	21.697	228	25601	0.378	ng	100
34) Bis(2-ethylhexyl)phtha...	21.562	149	1262	0.032	ng	95
36) Indeno(1,2,3-cd)pyrene	26.866	276	71803	0.846	ng	99
37) Benzo(b)fluoranthene	23.419	252	63432	0.861	ng	97
38) Benzo(k)fluoranthene	23.468	252	73097	0.966	ng	98
39) Benzo(a)pyrene	24.085	252	54139	0.772	ng	97
40) Dibenzo(a,h)anthracene	26.886	278	46414	0.681	ng	99
41) Benzo(g,h,i)perylene	27.687	276	72682	1.010	ng	98

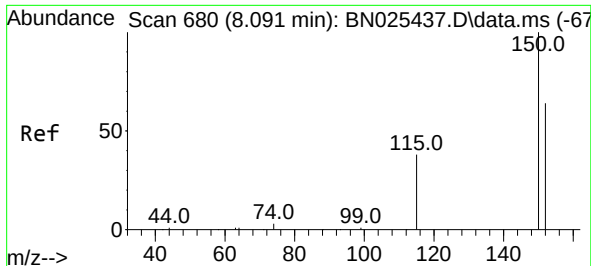
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BN025452.D
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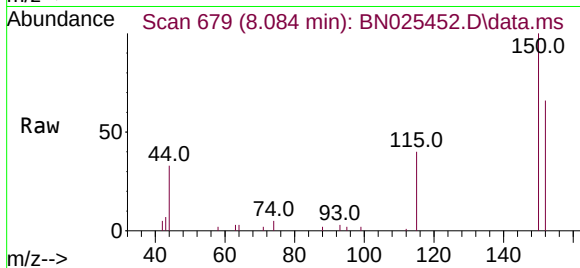
Quant Time: May 17 14:07:23 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051623.M
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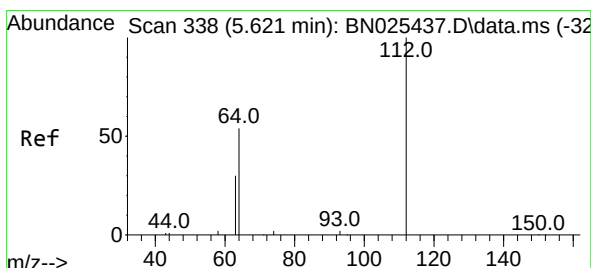
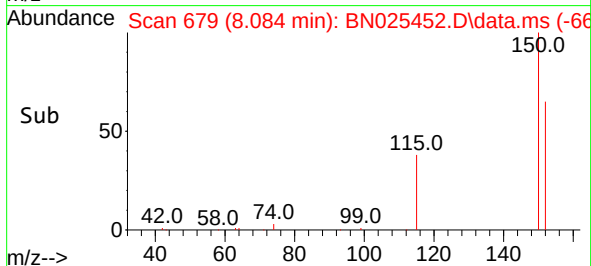
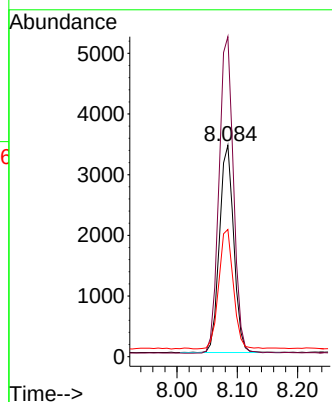


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.084 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN025452.D
Acq: 17 May 2023 13:27

Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILD

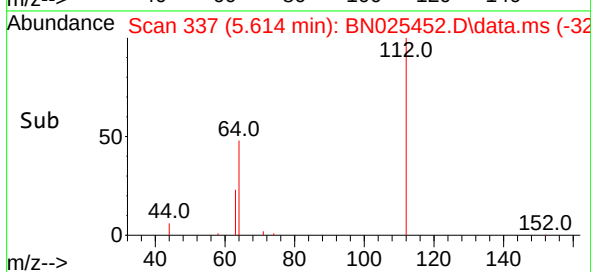
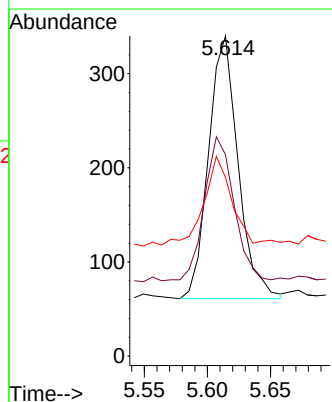
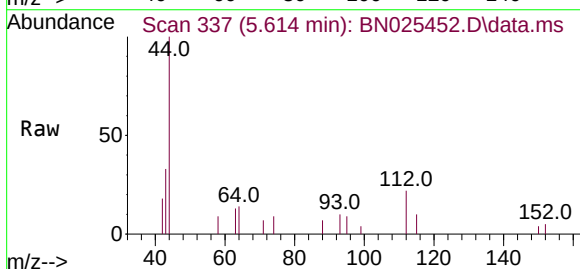


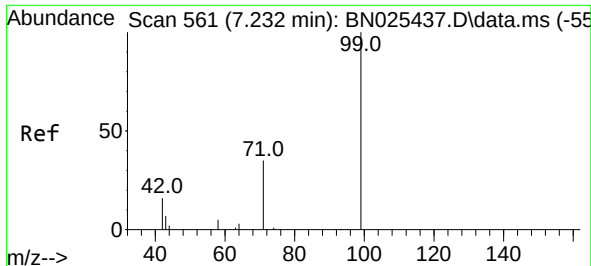
Tgt Ion:152 Resp: 5598
Ion Ratio Lower Upper
152 100
150 151.4 123.7 185.5
115 60.2 50.0 75.0



#4
2-Fluorophenol
Concen: 0.038 ng
RT: 5.614 min Scan# 337
Delta R.T. -0.007 min
Lab File: BN025452.D
Acq: 17 May 2023 13:27

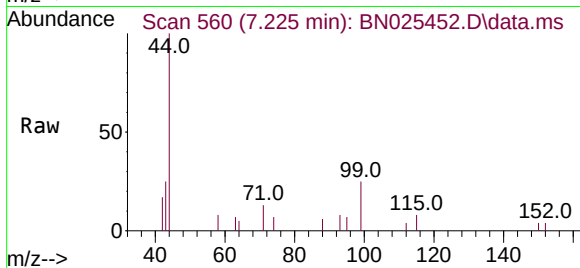
Tgt Ion:112 Resp: 455
Ion Ratio Lower Upper
112 100
64 54.7 43.9 65.9
63 33.0 25.0 37.4



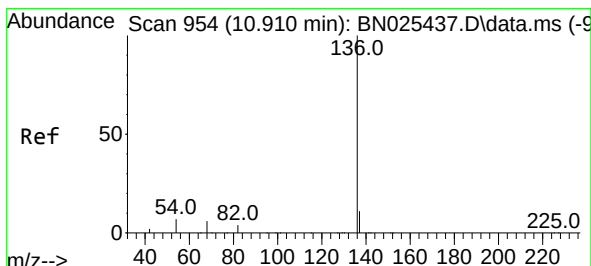
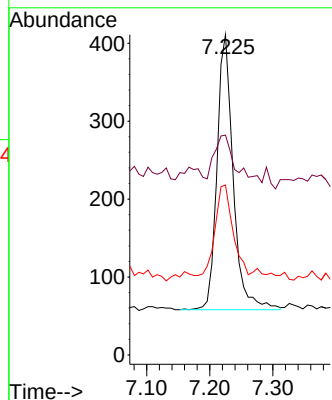
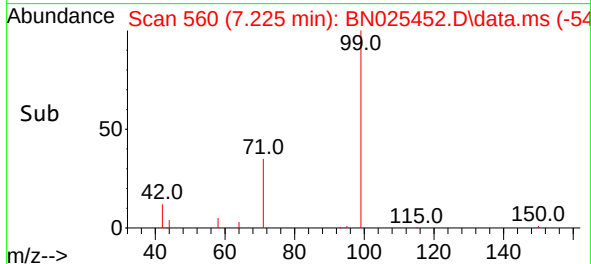


#5
Phenol-d6
Concen: 0.039 ng
RT: 7.225 min Scan# 561
Delta R.T. -0.007 min
Lab File: BN025452.D
Acq: 17 May 2023 13:27

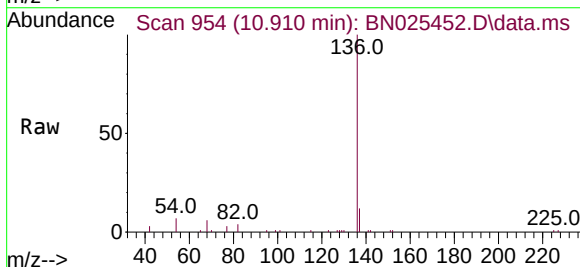
Instrument :
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PT-PAH-SOILD



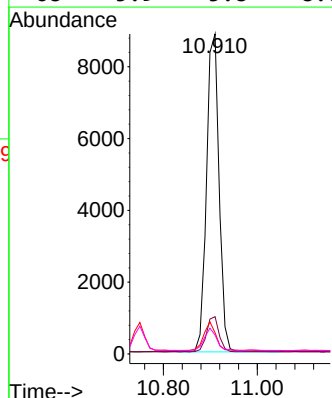
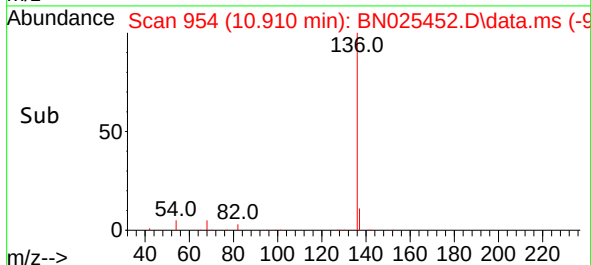
Tgt Ion: 99 Resp: 629
Ion Ratio Lower Upper
99 100
42 17.3 16.4 24.6
71 35.6 29.4 44.0

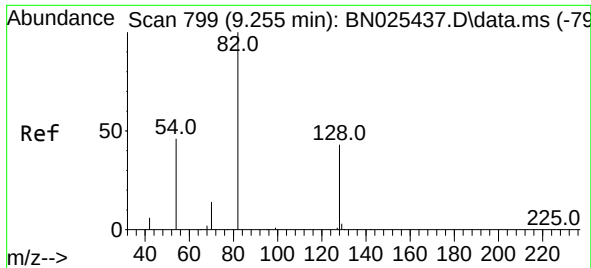


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.910 min Scan# 954
Delta R.T. 0.000 min
Lab File: BN025452.D
Acq: 17 May 2023 13:27



Tgt Ion: 136 Resp: 16406
Ion Ratio Lower Upper
136 100
137 11.6 9.4 14.0
54 6.6 7.0 10.4
68 5.9 5.8 8.6

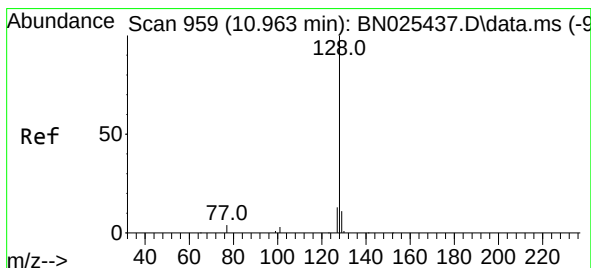
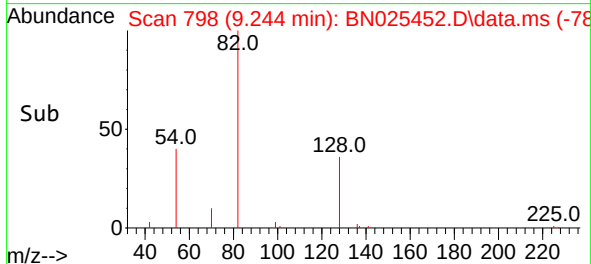
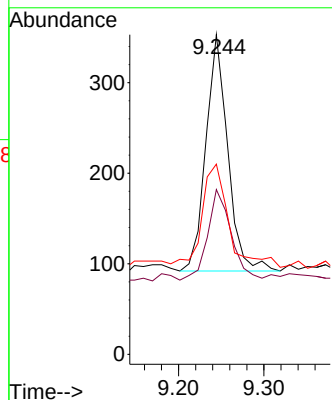
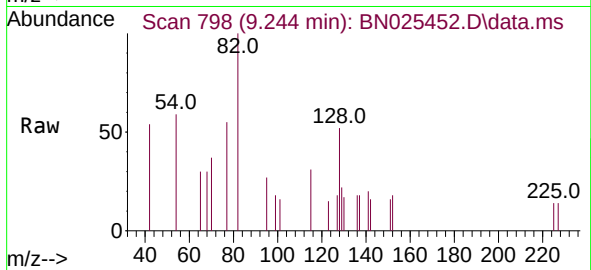




#8
 Nitrobenzene-d5
 Concen: 0.041 ng
 RT: 9.244 min Scan# 799
 Delta R.T. -0.011 min
 Lab File: BN025452.D
 Acq: 17 May 2023 13:27

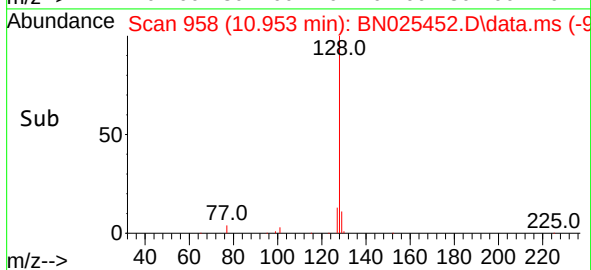
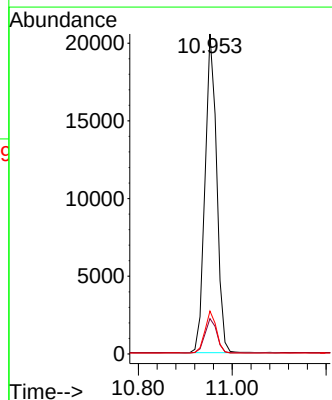
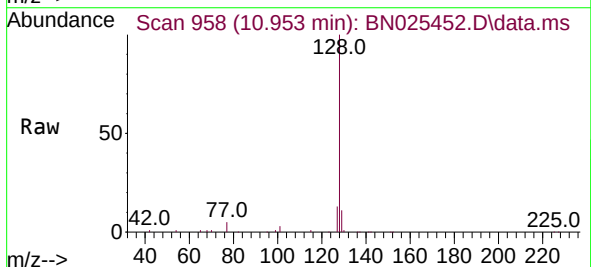
Instrument :
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 PT-PAH-SOILD

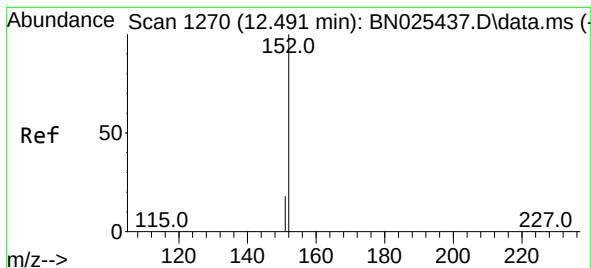
Tgt Ion: 82 Resp: 464
 Ion Ratio Lower Upper
 82 100
 128 51.6 35.7 53.5
 54 59.5 38.6 57.8#



#9
 Naphthalene
 Concen: 0.861 ng
 RT: 10.953 min Scan# 958
 Delta R.T. -0.010 min
 Lab File: BN025452.D
 Acq: 17 May 2023 13:27

Tgt Ion: 128 Resp: 35231
 Ion Ratio Lower Upper
 128 100
 129 11.1 9.4 14.2
 127 13.4 10.6 16.0

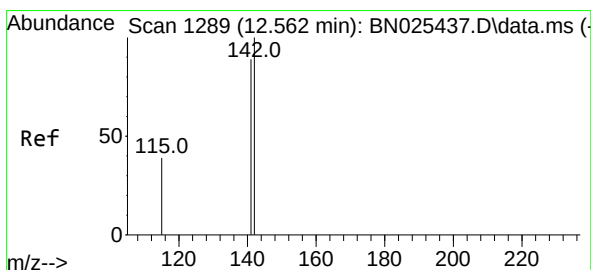
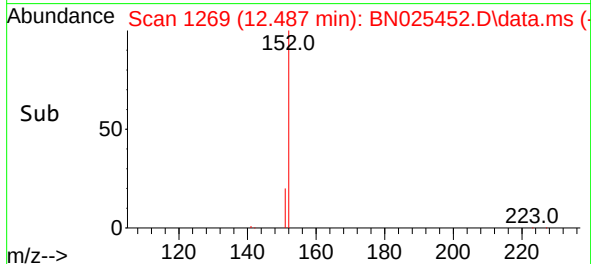
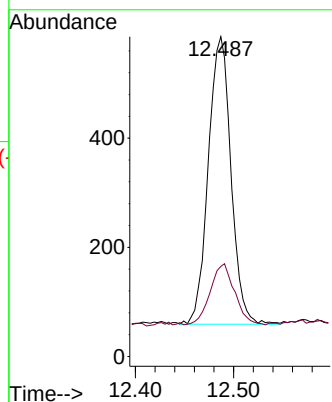
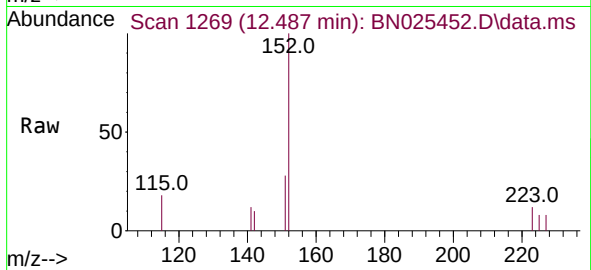




#11
2-Methylnaphthalene-d10
Concen: 0.037 ng
RT: 12.487 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN025452.D
Acq: 17 May 2023 13:27

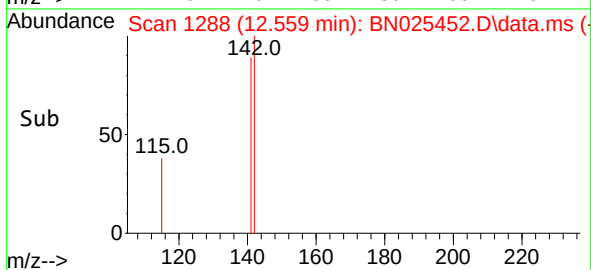
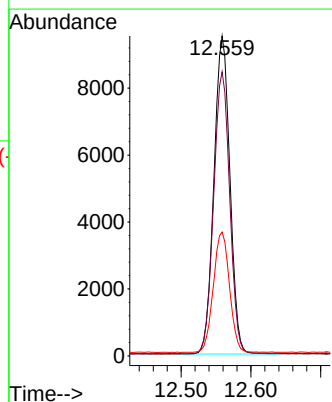
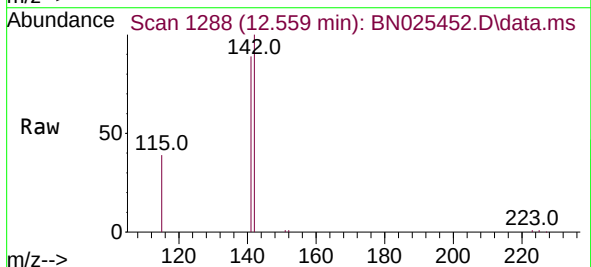
Instrument :
BNA_N
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PT-PAH-SOILD

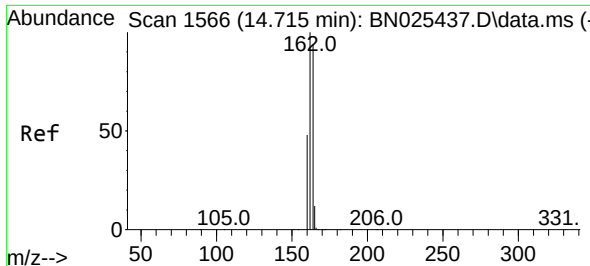
Tgt Ion:152 Resp: 847
Ion Ratio Lower Upper
152 100
151 22.8 16.5 24.7



#12
2-Methylnaphthalene
Concen: 0.501 ng
RT: 12.559 min Scan# 1288
Delta R.T. -0.003 min
Lab File: BN025452.D
Acq: 17 May 2023 13:27

Tgt Ion:142 Resp: 15091
Ion Ratio Lower Upper
142 100
141 88.8 71.4 107.0
115 38.7 32.6 48.8

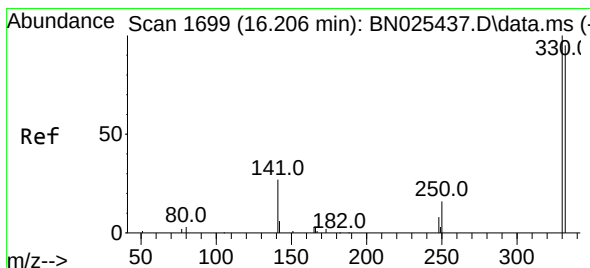
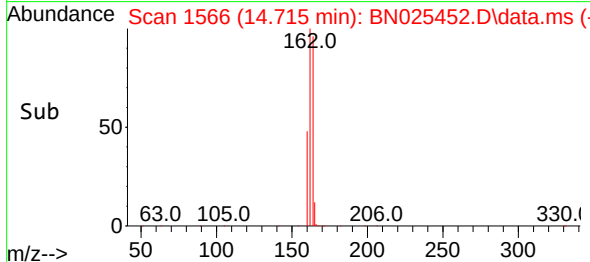
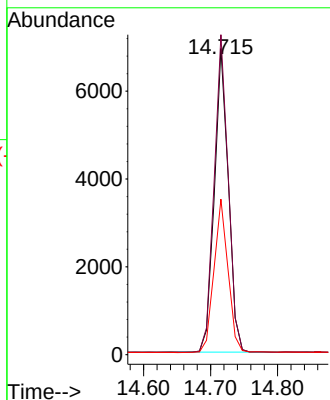
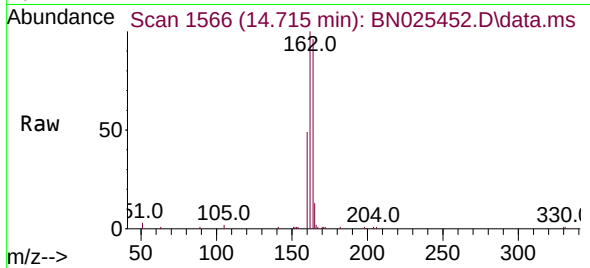




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.715 min Scan# 1566
 Delta R.T. 0.000 min
 Lab File: BN025452.D
 Acq: 17 May 2023 13:27

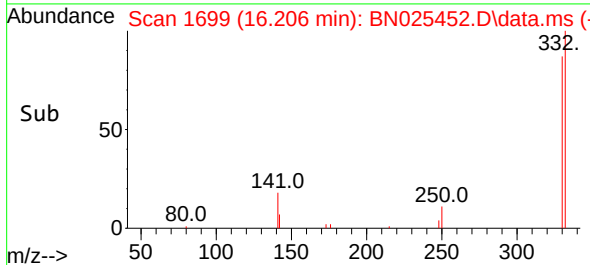
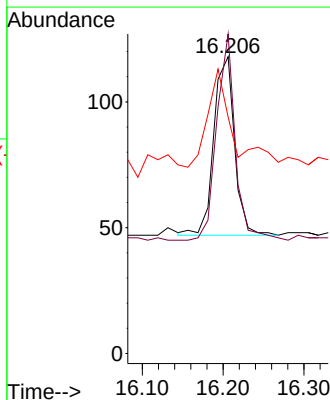
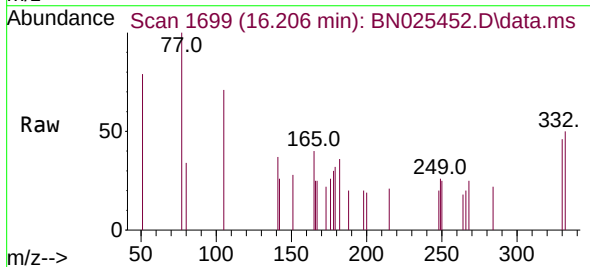
Instrument :
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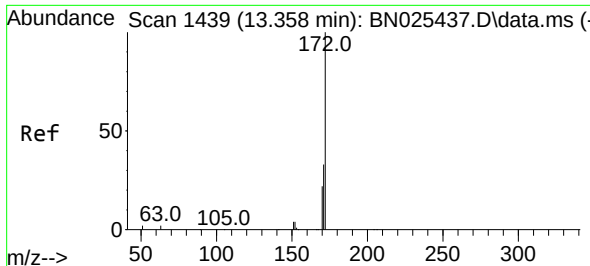
Tgt Ion:164 Resp: 10036
 Ion Ratio Lower Upper
 164 100
 162 104.5 84.8 127.2
 160 50.8 40.6 61.0



#14
 2,4,6-Tribromophenol
 Concen: 0.037 ng
 RT: 16.206 min Scan# 1699
 Delta R.T. 0.000 min
 Lab File: BN025452.D
 Acq: 17 May 2023 13:27

Tgt Ion:330 Resp: 127
 Ion Ratio Lower Upper
 330 100
 332 103.1 75.5 113.3
 141 55.9 35.3 52.9#

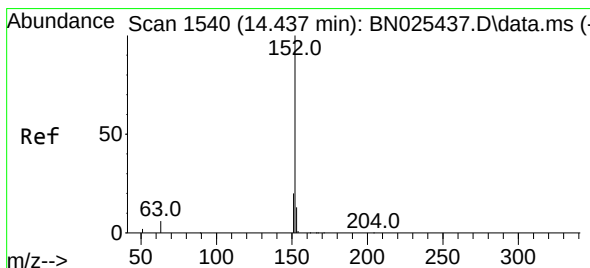
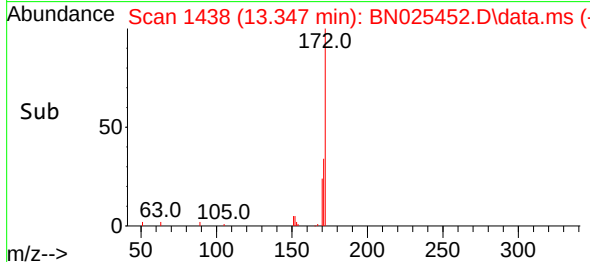
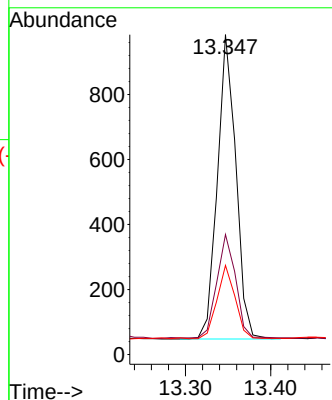
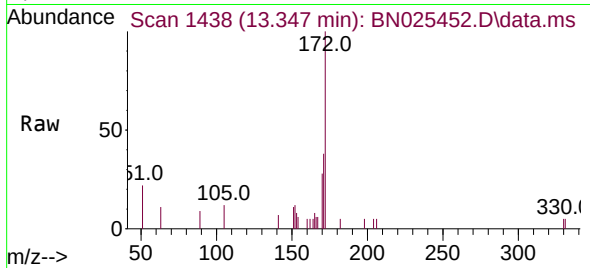




#15
2-Fluorobiphenyl
Concen: 0.038 ng
RT: 13.347 min Scan# 1438
Delta R.T. -0.011 min
Lab File: BN025452.D
Acq: 17 May 2023 13:27

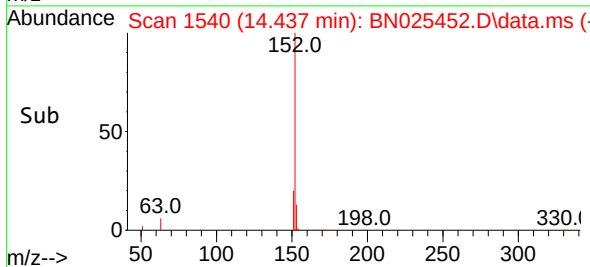
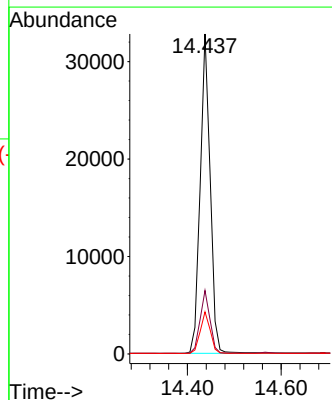
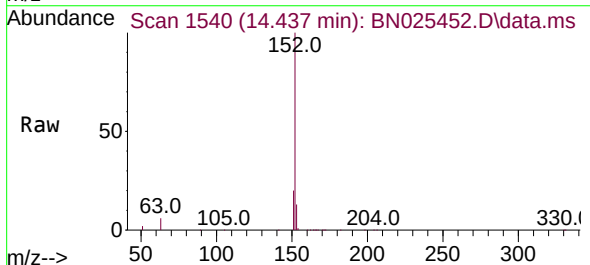
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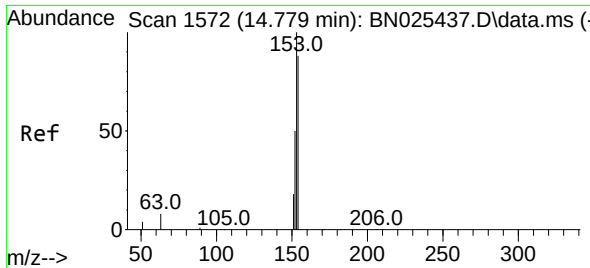
Tgt Ion:172 Resp: 1408
Ion Ratio Lower Upper
172 100
171 37.5 27.0 40.6
170 27.8 18.2 27.2#



#16
Acenaphthylene
Concen: 1.049 ng
RT: 14.437 min Scan# 1540
Delta R.T. 0.000 min
Lab File: BN025452.D
Acq: 17 May 2023 13:27

Tgt Ion:152 Resp: 48559
Ion Ratio Lower Upper
152 100
151 19.5 15.5 23.3
153 13.1 10.4 15.6

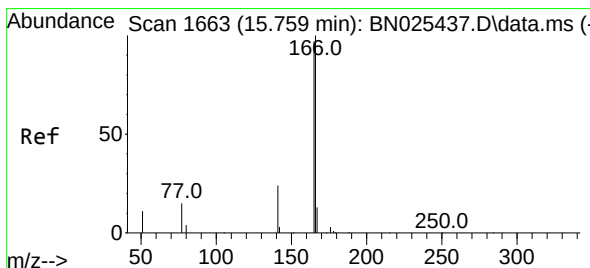
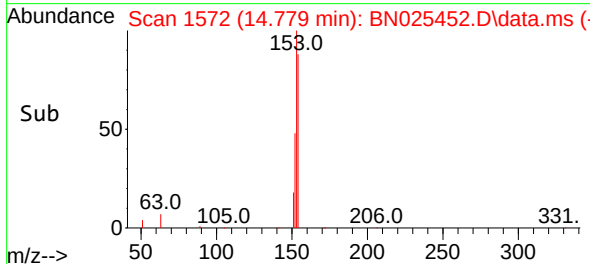
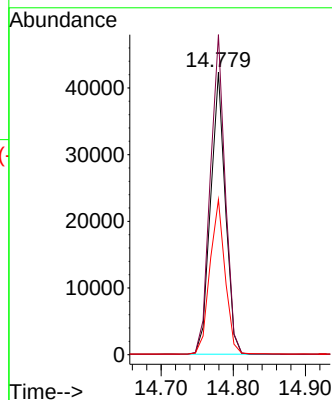
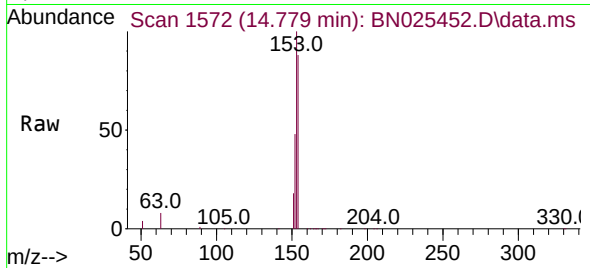




#17
Acenaphthene
Concen: 2.092 ng
RT: 14.779 min Scan# 1572
Delta R.T. 0.000 min
Lab File: BN025452.D
Acq: 17 May 2023 13:27

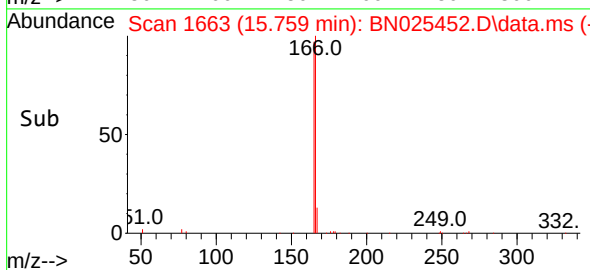
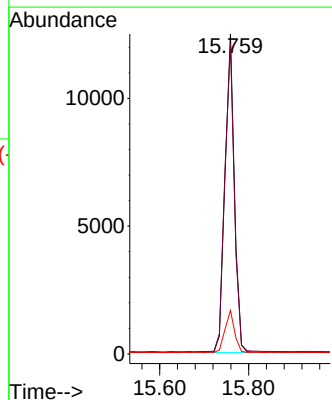
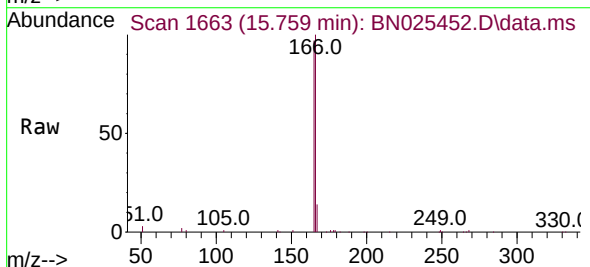
Instrument :
BNA_N
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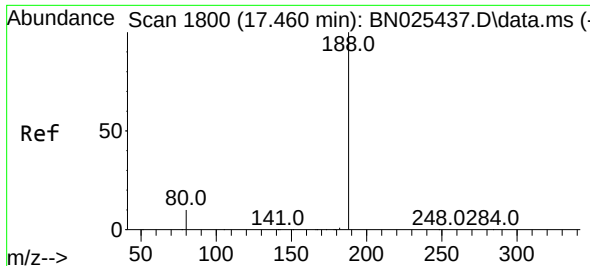
Tgt Ion:154 Resp: 60174
Ion Ratio Lower Upper
154 100
153 114.2 90.6 135.8
152 56.3 45.7 68.5



#18
Fluorene
Concen: 0.462 ng
RT: 15.759 min Scan# 1663
Delta R.T. 0.000 min
Lab File: BN025452.D
Acq: 17 May 2023 13:27

Tgt Ion:166 Resp: 17472
Ion Ratio Lower Upper
166 100
165 100.5 76.7 115.1
167 13.8 10.5 15.7

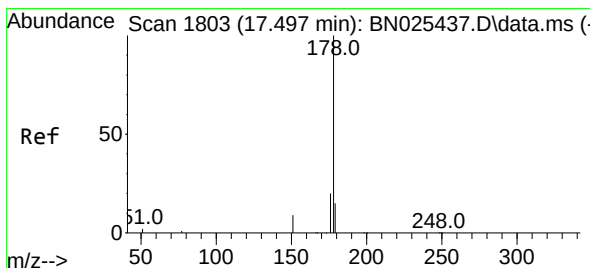
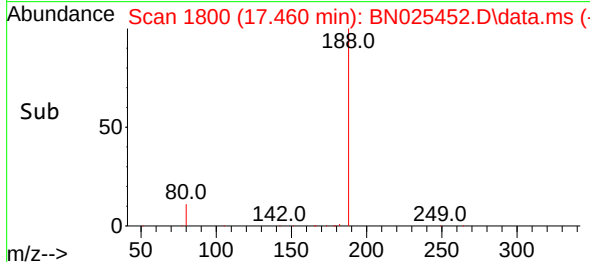
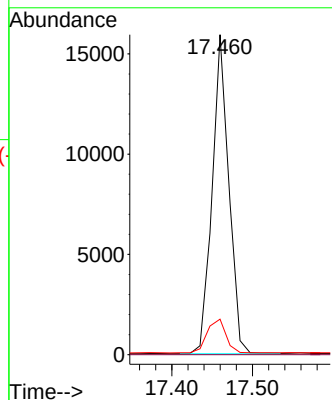
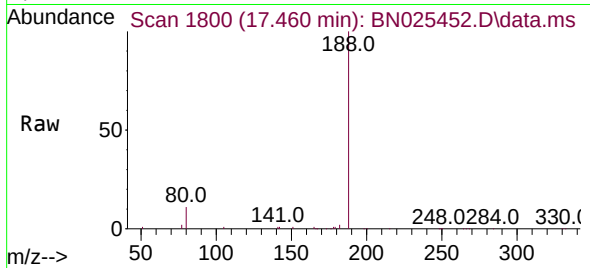




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.460 min Scan# 1800
Delta R.T. 0.000 min
Lab File: BN025452.D
Acq: 17 May 2023 13:27

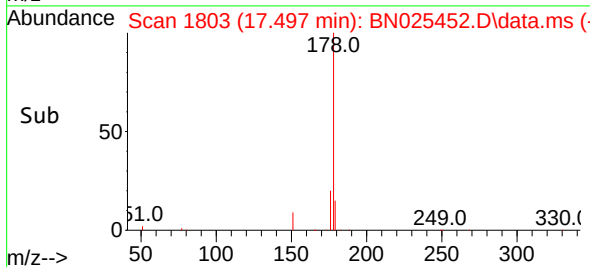
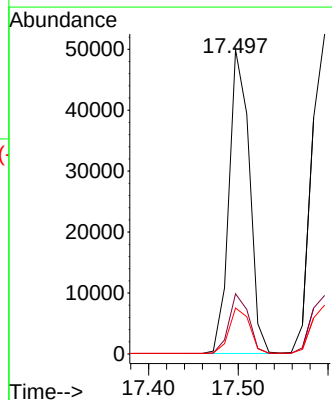
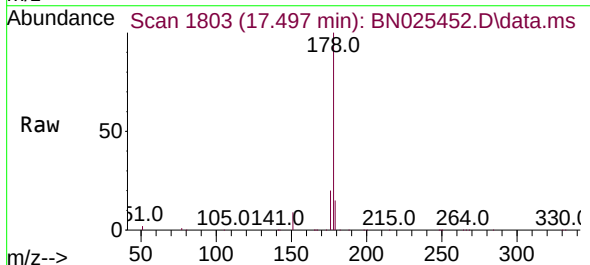
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILD

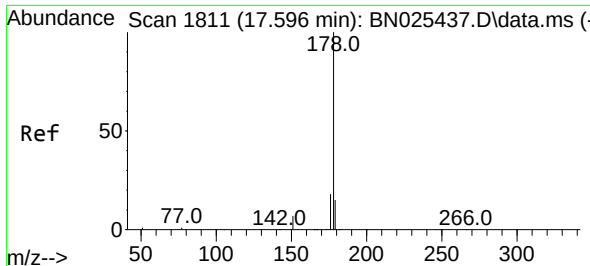
Tgt Ion:188 Resp: 22739
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.1 8.7 13.1



#25
Phenanthrene
Concen: 1.228 ng
RT: 17.497 min Scan# 1803
Delta R.T. 0.000 min
Lab File: BN025452.D
Acq: 17 May 2023 13:27

Tgt Ion:178 Resp: 78585
Ion Ratio Lower Upper
178 100
176 19.2 15.6 23.4
179 15.1 12.2 18.4

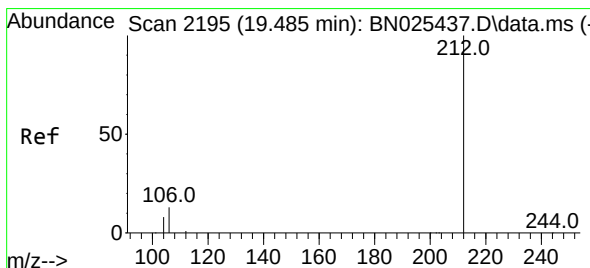
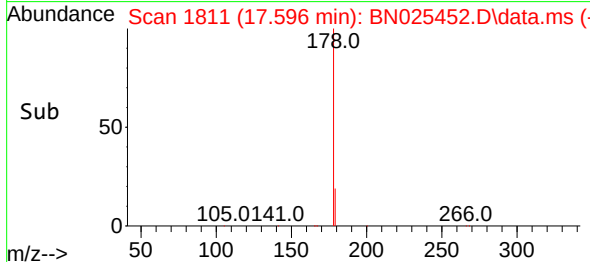
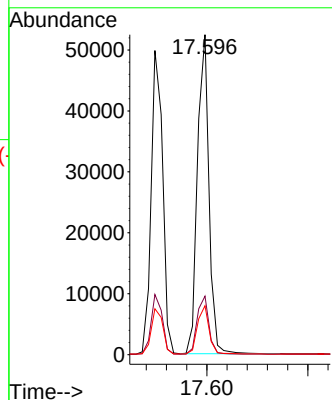
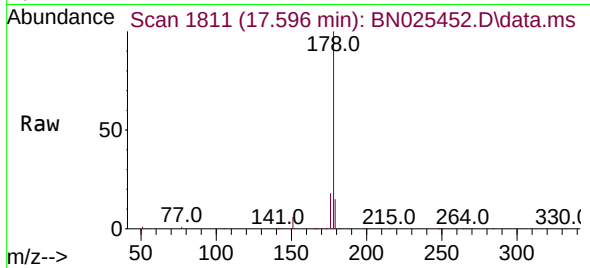




#26
 Anthracene
 Concen: 1.340 ng
 RT: 17.596 min Scan# 1811
 Delta R.T. 0.000 min
 Lab File: BN025452.D
 Acq: 17 May 2023 13:27

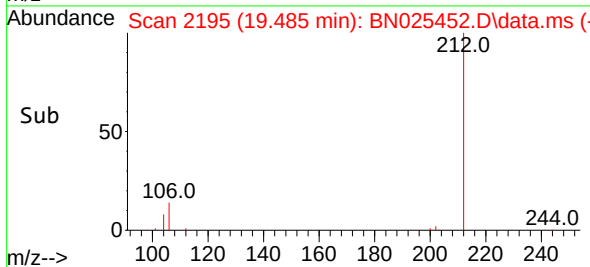
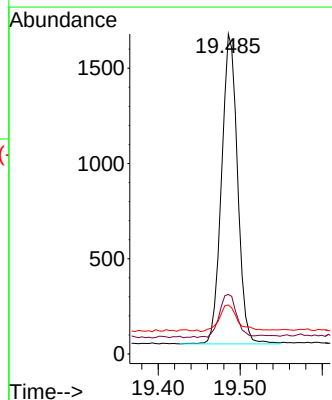
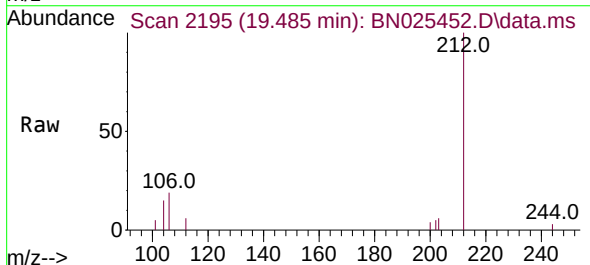
Instrument :
 BNA_N
 ClientSampleId :
 PT-PAH-SOILD

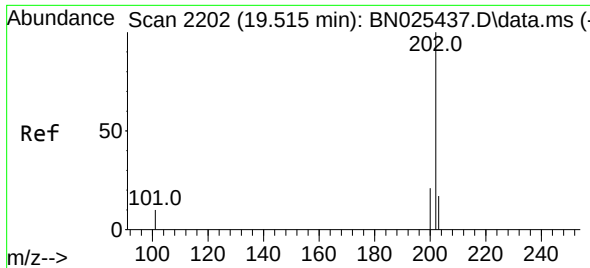
Tgt Ion:178 Resp: 82976
 Ion Ratio Lower Upper
 178 100
 176 18.6 14.9 22.3
 179 15.2 12.1 18.1



#27
 Fluoranthene-d10
 Concen: 0.041 ng
 RT: 19.485 min Scan# 2195
 Delta R.T. 0.000 min
 Lab File: BN025452.D
 Acq: 17 May 2023 13:27

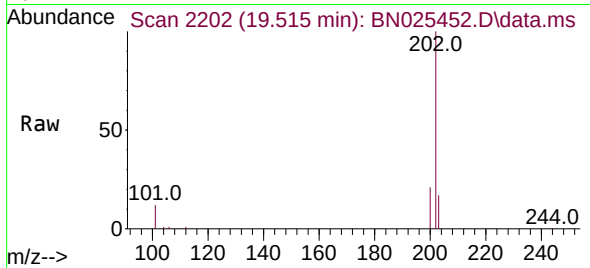
Tgt Ion:212 Resp: 2204
 Ion Ratio Lower Upper
 212 100
 106 15.1 11.1 16.7
 104 10.2 6.6 10.0#



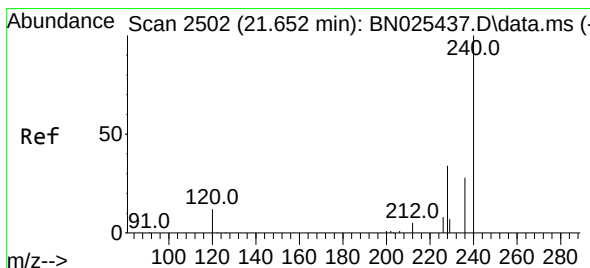
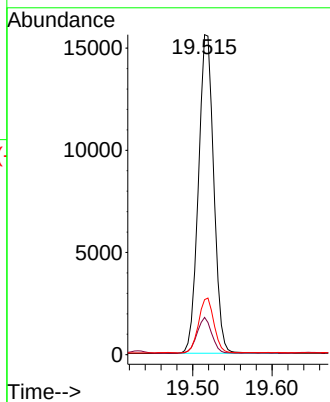
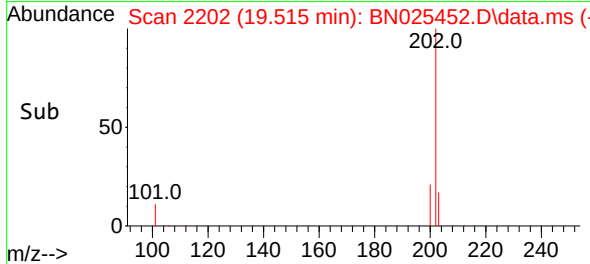


#28
Fluoranthene
Concen: 0.276 ng
RT: 19.515 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN025452.D
Acq: 17 May 2023 13:27

Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILD

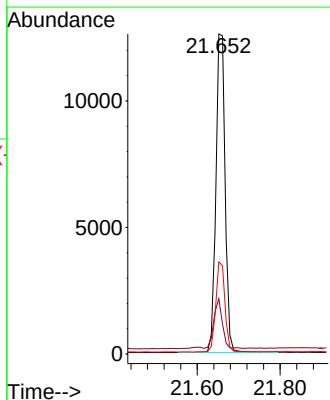
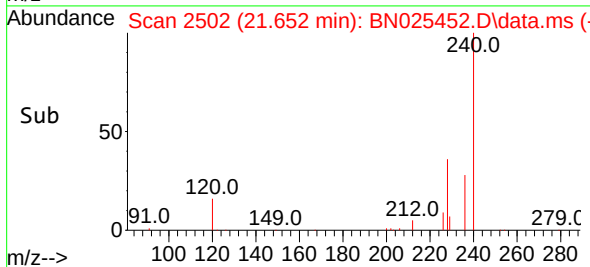
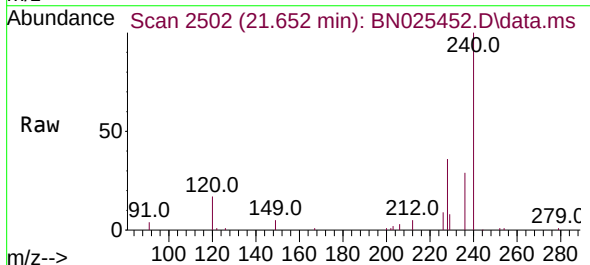


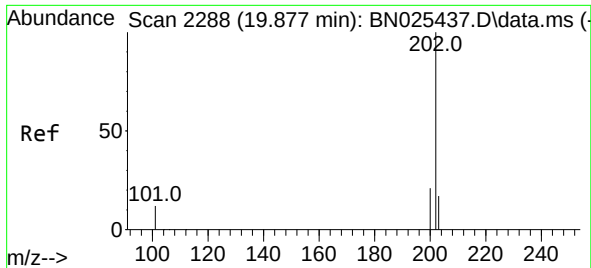
Tgt Ion:202 Resp: 20931
Ion Ratio Lower Upper
202 100
101 10.8 8.6 13.0
203 17.2 13.9 20.9



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.652 min Scan# 2502
Delta R.T. 0.000 min
Lab File: BN025452.D
Acq: 17 May 2023 13:27

Tgt Ion:240 Resp: 19434
Ion Ratio Lower Upper
240 100
120 17.2 11.6 17.4
236 28.7 22.9 34.3

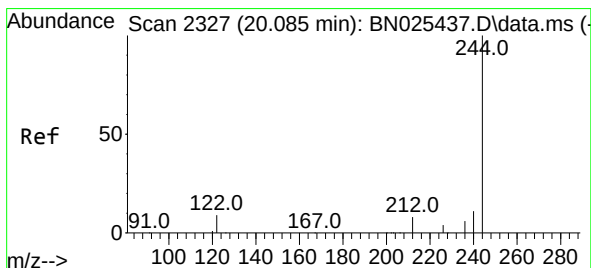
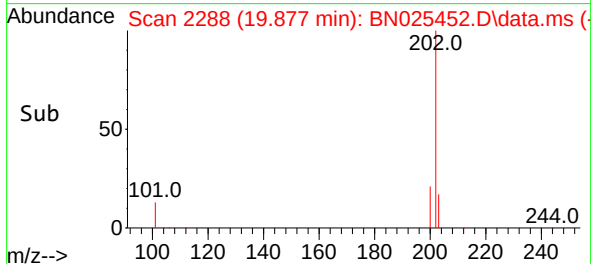
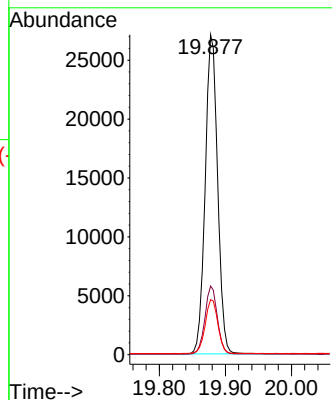
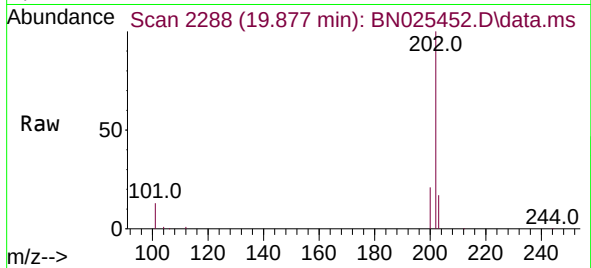




#30
Pyrene
Concen: 0.477 ng
RT: 19.877 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN025452.D
Acq: 17 May 2023 13:27

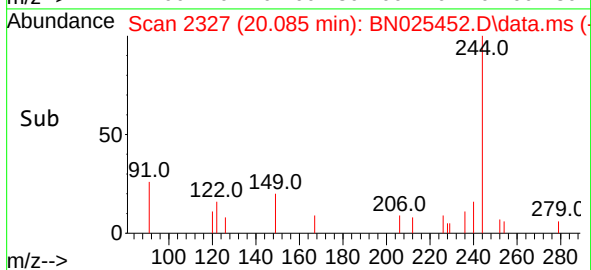
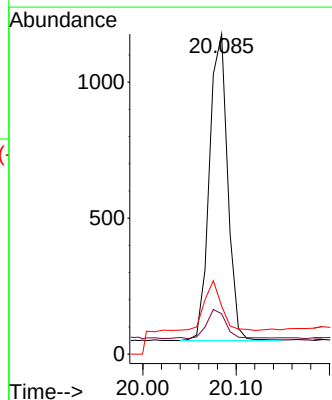
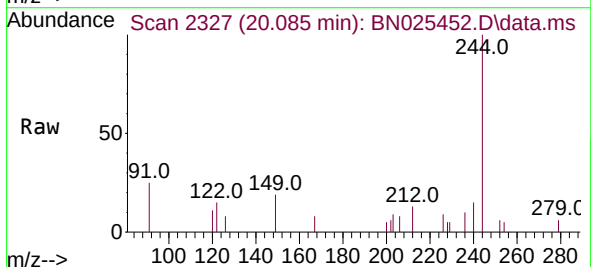
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILD

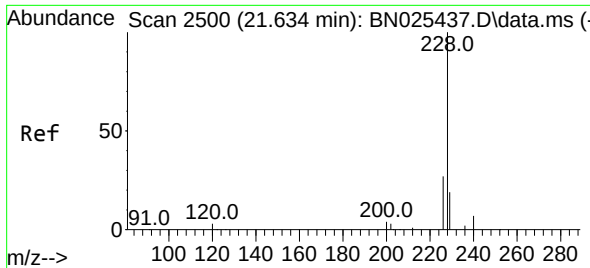
Tgt Ion:202 Resp: 35357
Ion Ratio Lower Upper
202 100
200 21.1 17.0 25.4
203 17.3 14.2 21.4



#31
Terphenyl-d14
Concen: 0.043 ng
RT: 20.085 min Scan# 2327
Delta R.T. 0.000 min
Lab File: BN025452.D
Acq: 17 May 2023 13:27

Tgt Ion:244 Resp: 1527
Ion Ratio Lower Upper
244 100
212 12.6 6.9 10.3#
122 15.0 7.4 11.2#

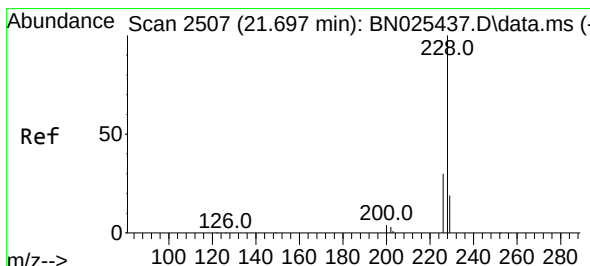
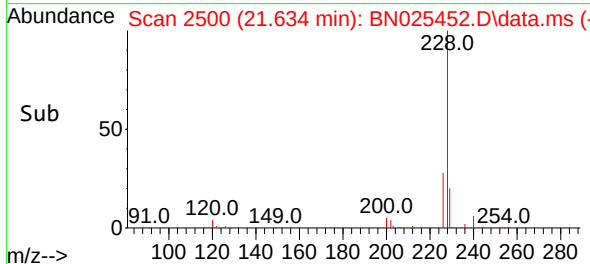
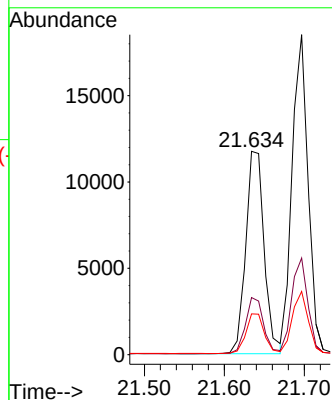
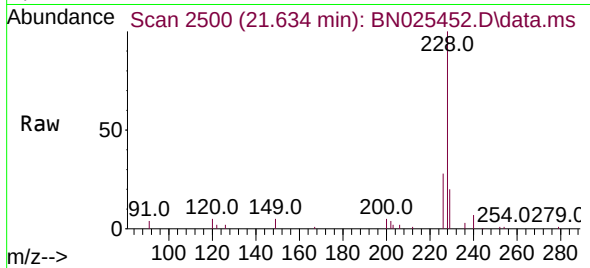




#32
Benzo(a)anthracene
Concen: 0.276 ng
RT: 21.634 min Scan# 21634
Delta R.T. 0.000 min
Lab File: BN025452.D
Acq: 17 May 2023 13:27

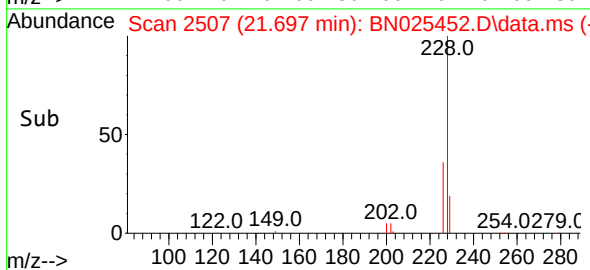
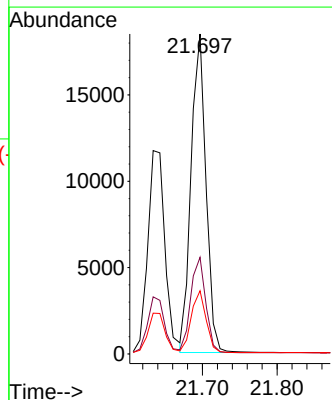
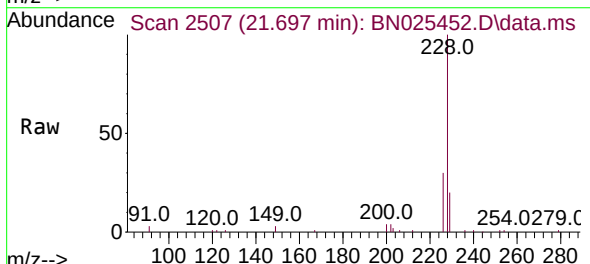
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILD

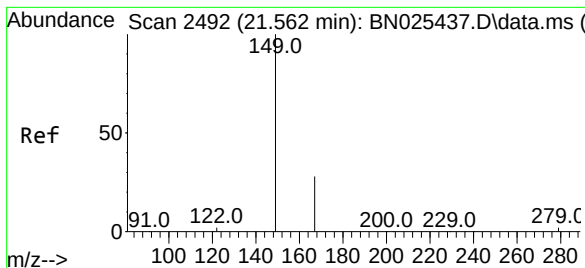
Tgt Ion:228 Resp: 18841
Ion Ratio Lower Upper
228 100
226 28.1 22.1 33.1
229 20.1 15.4 23.2



#33
Chrysene
Concen: 0.378 ng
RT: 21.697 min Scan# 2507
Delta R.T. 0.000 min
Lab File: BN025452.D
Acq: 17 May 2023 13:27

Tgt Ion:228 Resp: 25601
Ion Ratio Lower Upper
228 100
226 30.2 23.9 35.9
229 19.8 15.8 23.6

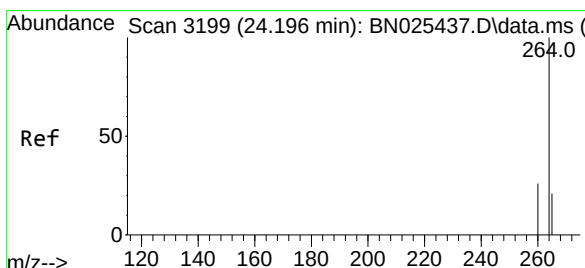
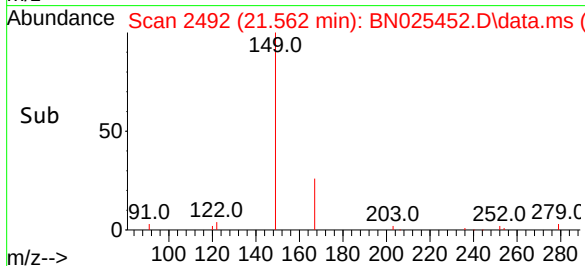
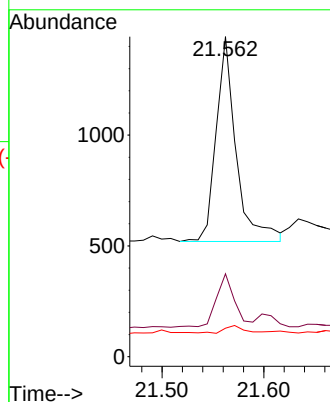
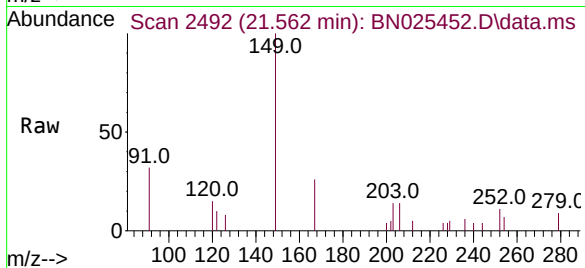




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.032 ng
 RT: 21.562 min Scan# 2492
 Delta R.T. 0.000 min
 Lab File: BN025452.D
 Acq: 17 May 2023 13:27

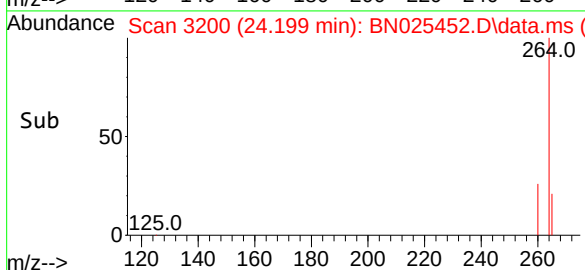
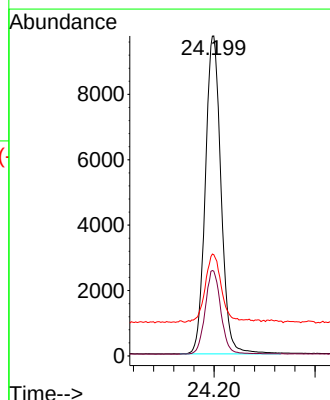
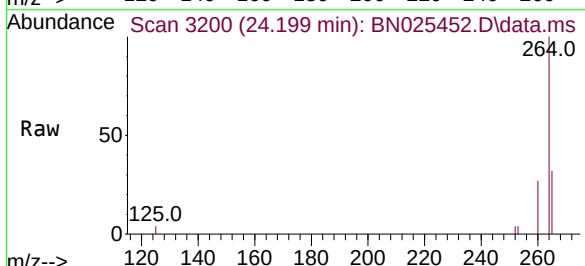
Instrument :
 BNA_N
 ClientSampleId :
 PT-PAH-SOILD

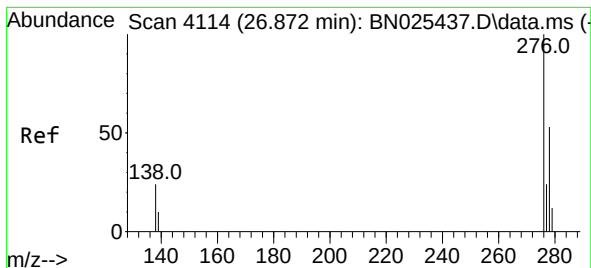
Tgt Ion:149 Resp: 1262
 Ion Ratio Lower Upper
 149 100
 167 25.0 22.2 33.4
 279 3.2 2.5 3.7



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.199 min Scan# 3200
 Delta R.T. 0.003 min
 Lab File: BN025452.D
 Acq: 17 May 2023 13:27

Tgt Ion:264 Resp: 21009
 Ion Ratio Lower Upper
 264 100
 260 26.5 21.0 31.6
 265 31.6 25.5 38.3





#36

Indeno(1,2,3-cd)pyrene

Concen: 0.846 ng

RT: 26.866 min Scan# 4114

Delta R.T. -0.006 min

Lab File: BN025452.D

Acq: 17 May 2023 13:27

Instrument :

BNA_N

ClientSampleId :

PT-PAH-SOILD

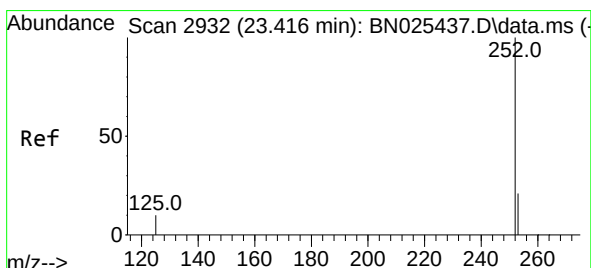
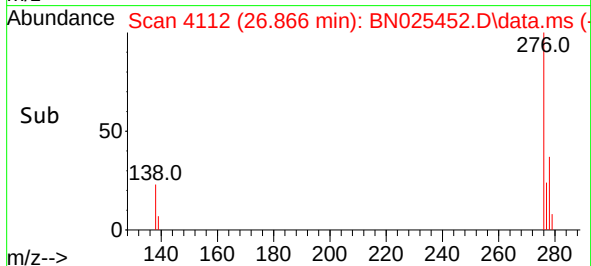
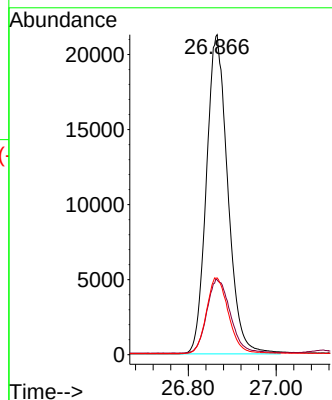
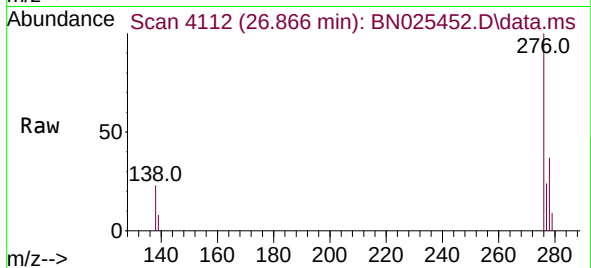
Tgt Ion:276 Resp: 71803

Ion Ratio Lower Upper

276 100

138 25.5 21.0 31.6

277 24.5 19.8 29.6



#37

Benzo(b)fluoranthene

Concen: 0.861 ng

RT: 23.419 min Scan# 2933

Delta R.T. 0.003 min

Lab File: BN025452.D

Acq: 17 May 2023 13:27

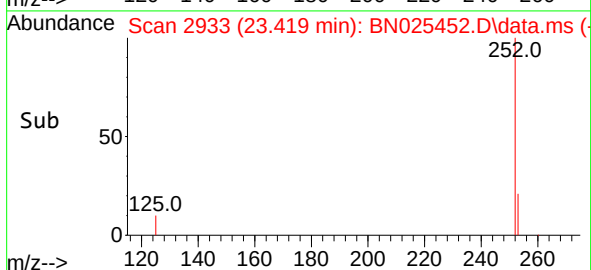
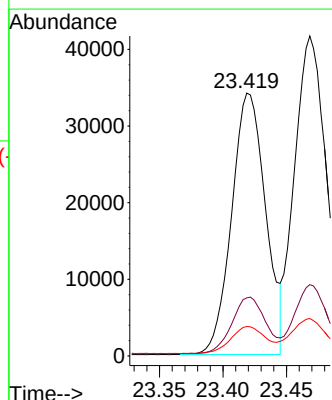
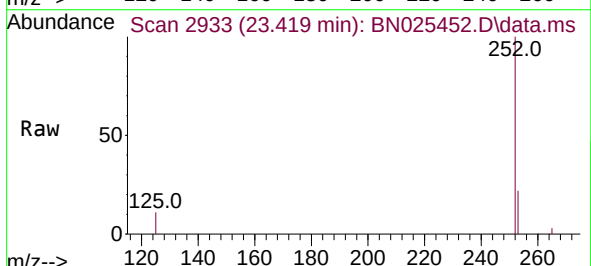
Tgt Ion:252 Resp: 63432

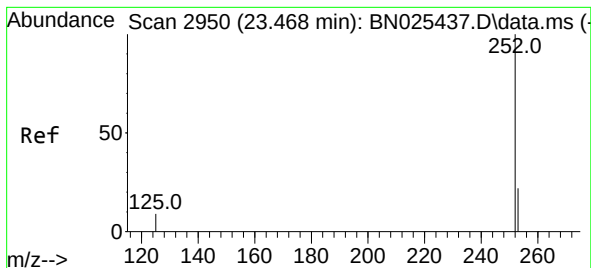
Ion Ratio Lower Upper

252 100

253 22.1 19.0 28.4

125 11.2 9.4 14.2





#38

Benzo(k)fluoranthene

Concen: 0.966 ng

RT: 23.468 min Scan# 2950

Delta R.T. 0.000 min

Lab File: BN025452.D

Acq: 17 May 2023 13:27

Instrument :

BNA_N

ClientSampleId :

PT-PAH-SOILDL

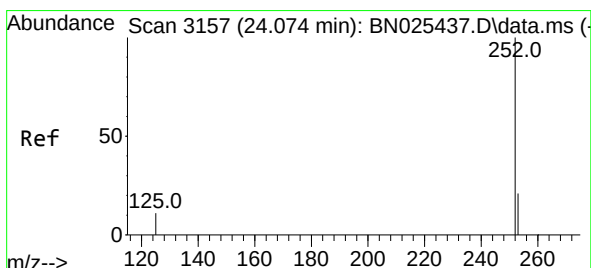
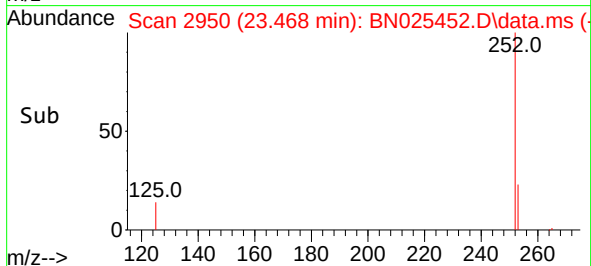
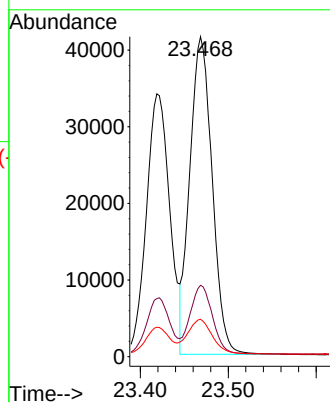
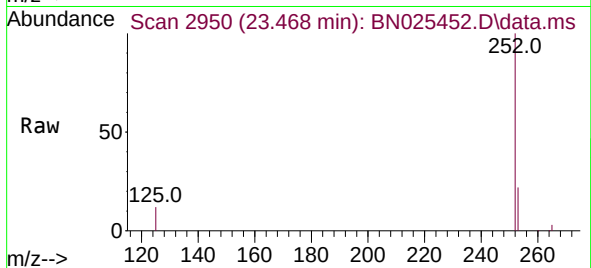
Tgt Ion:252 Resp: 73097

Ion Ratio Lower Upper

252 100

253 22.3 19.1 28.7

125 11.7 9.5 14.3



#39

Benzo(a)pyrene

Concen: 0.772 ng

RT: 24.085 min Scan# 3161

Delta R.T. 0.012 min

Lab File: BN025452.D

Acq: 17 May 2023 13:27

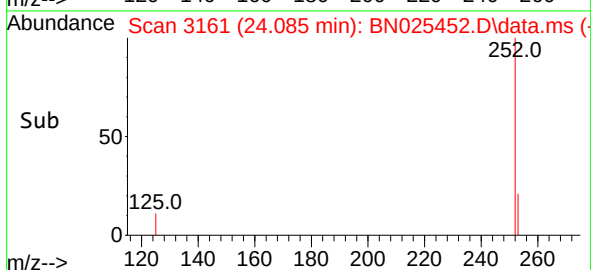
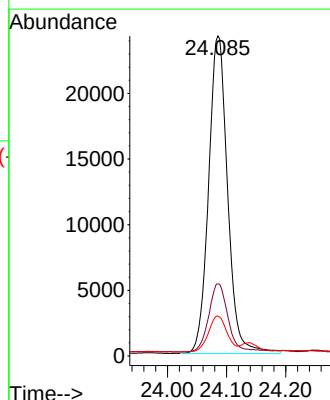
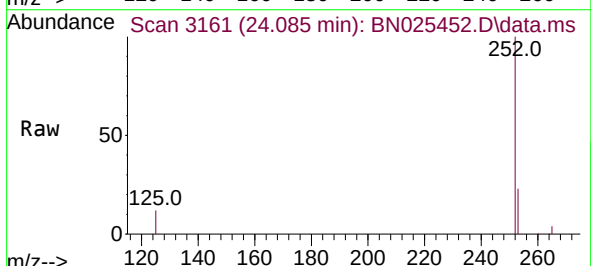
Tgt Ion:252 Resp: 54139

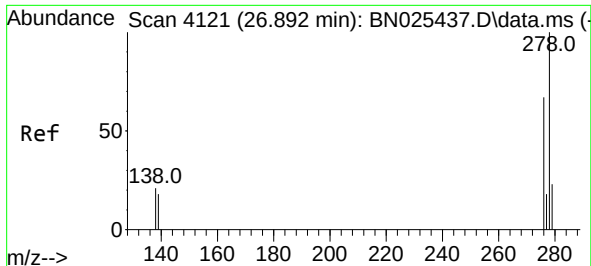
Ion Ratio Lower Upper

252 100

253 22.6 19.5 29.3

125 12.4 10.2 15.4

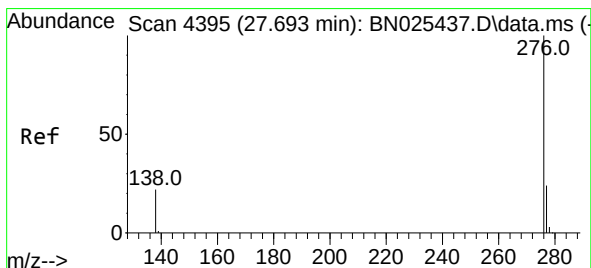
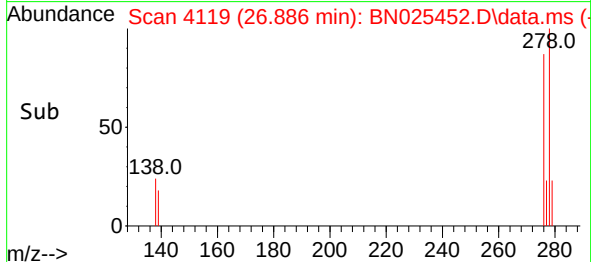
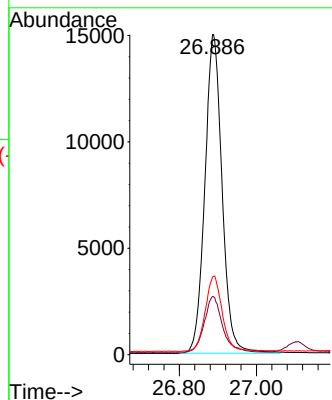
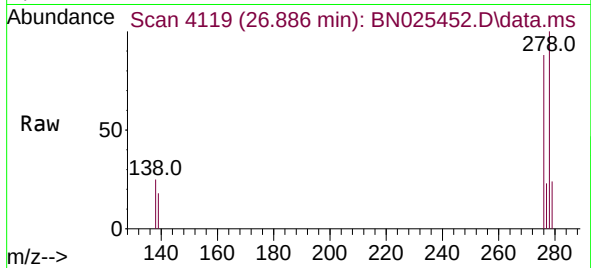




#40
Dibenzo(a,h)anthracene
Concen: 0.681 ng
RT: 26.886 min Scan# 4119
Delta R.T. -0.006 min
Lab File: BN025452.D
Acq: 17 May 2023 13:27

Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILD

Tgt Ion:278 Resp: 46414
Ion Ratio Lower Upper
278 100
139 18.2 15.0 22.4
279 24.3 20.1 30.1



#41
Benzo(g,h,i)perylene
Concen: 1.010 ng
RT: 27.687 min Scan# 4393
Delta R.T. -0.006 min
Lab File: BN025452.D
Acq: 17 May 2023 13:27

Tgt Ion:276 Resp: 72682
Ion Ratio Lower Upper
276 100
277 23.7 19.6 29.4
138 23.1 19.0 28.6

