

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111122\
 Data File : BN022601.D
 Acq On : 10 Nov 2022 16:07
 Operator : CG/JU
 Sample : N5317-14DL 10X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PT-PAH-SOILD

Quant Time: Nov 10 23:51:32 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 10 23:28:29 2022
 Response via : Initial Calibration

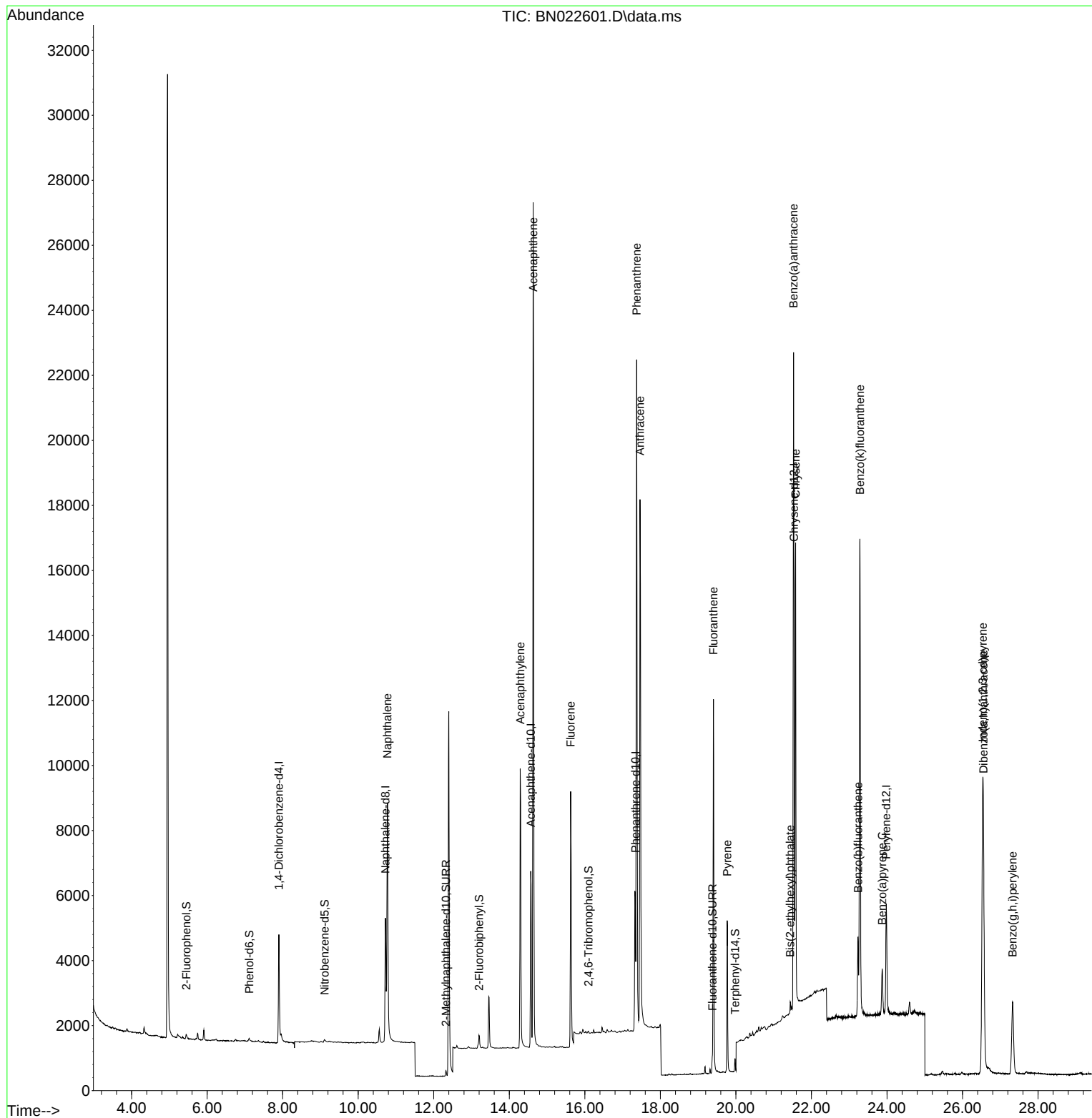
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.899	152	1923	0.400	ng	0.00
7) Naphthalene-d8	10.720	136	5902	0.400	ng	# 0.00
13) Acenaphthene-d10	14.568	164	3445	0.400	ng	0.00
19) Phenanthrene-d10	17.338	188	6886	0.400	ng	# 0.01
29) Chrysene-d12	21.537	240	5857	0.400	ng	0.00
35) Perylene-d12	23.982	264	5218	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.450	112	159	0.029	ng	0.00
5) Phenol-d6	7.112	99	183	0.026	ng	0.02
8) Nitrobenzene-d5	9.108	82	129	0.023	ng	0.03
11) 2-Methylnaphthalene-d10	12.323	152	258	0.027	ng	0.00
14) 2,4,6-Tribromophenol	16.096	330	53	0.032	ng	0.02
15) 2-Fluorobiphenyl	13.199	172	436	0.031	ng	0.00
27) Fluoranthene-d10	19.378	212	611	0.032	ng	0.00
31) Terphenyl-d14	19.976	244	645	0.036	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.773	128	10774	0.619	ng	99
16) Acenaphthylene	14.290	152	10737	0.677	ng	100
17) Acenaphthene	14.632	154	13544	1.246	ng	99
18) Fluorene	15.626	166	5861	0.398	ng	99
25) Phenanthrene	17.375	178	21680	0.977	ng	100
26) Anthracene	17.462	178	21049	1.110	ng	100
28) Fluoranthene	19.407	202	11136	0.463	ng	99
30) Pyrene	19.770	202	4481	0.188	ng	99
32) Benzo(a)anthracene	21.528	228	16231	0.754	ng	98
33) Chrysene	21.582	228	12959	0.584	ng	98
34) Bis(2-ethylhexyl)phtha...	21.439	149	464	0.037	ng	# 93
36) Indeno(1,2,3-cd)pyrene	26.534	276	16338	0.663	ng	97
37) Benzo(b)fluoranthene	23.233	252	3079	0.146	ng	# 79
38) Benzo(k)fluoranthene	23.283	252	19917	0.945	ng	93
39) Benzo(a)pyrene	23.874	252	2244	0.131	ng	# 68
40) Dibenzo(a,h)anthracene	26.555	278	7148	0.361	ng	99
41) Benzo(g,h,i)perylene	27.326	276	5306	0.254	ng	96

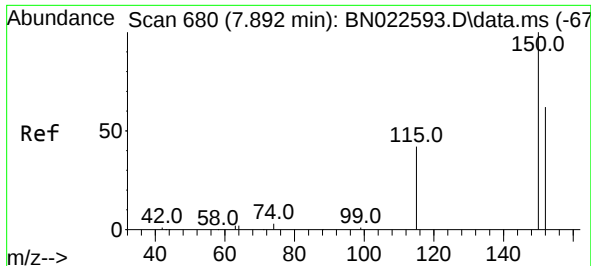
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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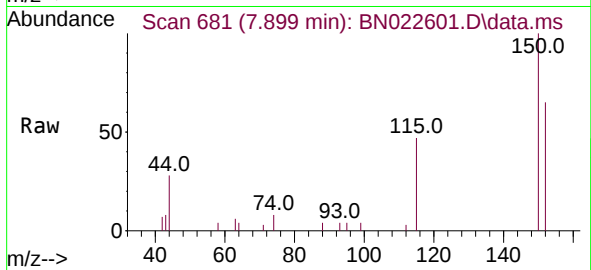
Quant Time: Nov 10 23:51:32 2022
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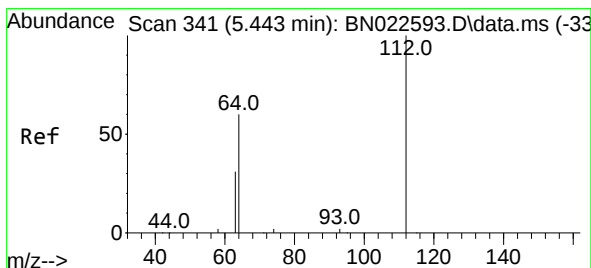
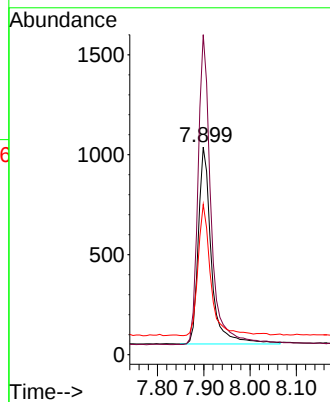
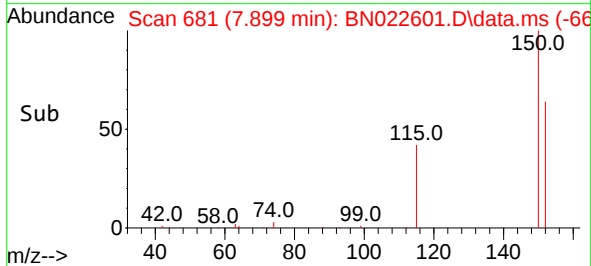


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.899 min Scan# 681
Delta R.T. 0.007 min
Lab File: BN022601.D
Acq: 10 Nov 2022 16:07

Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILD

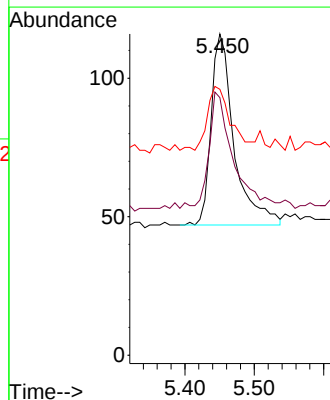
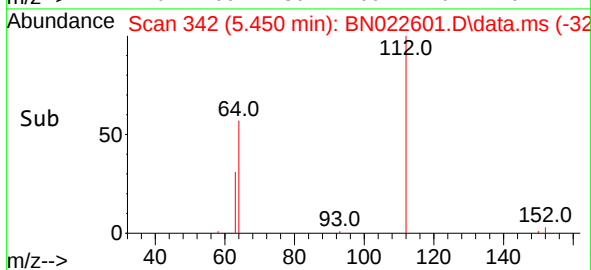
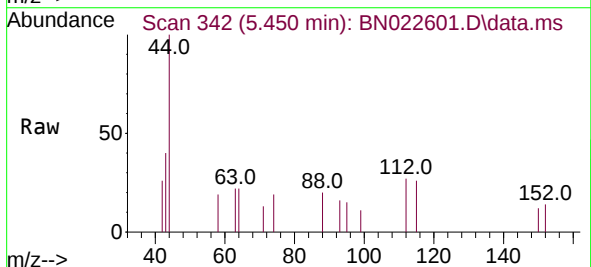


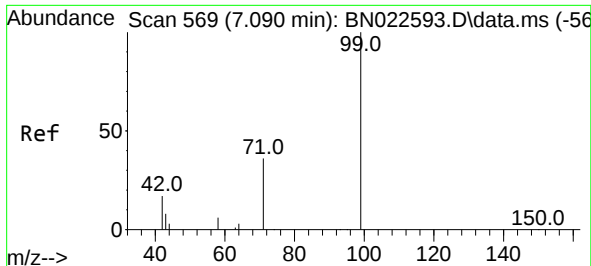
Tgt Ion:152 Resp: 1923
Ion Ratio Lower Upper
152 100
150 154.2 126.4 189.6
115 72.4 57.8 86.6



#4
2-Fluorophenol
Concen: 0.029 ng
RT: 5.450 min Scan# 342
Delta R.T. 0.007 min
Lab File: BN022601.D
Acq: 10 Nov 2022 16:07

Tgt Ion:112 Resp: 159
Ion Ratio Lower Upper
112 100
64 65.4 48.6 73.0
63 32.7 25.5 38.3

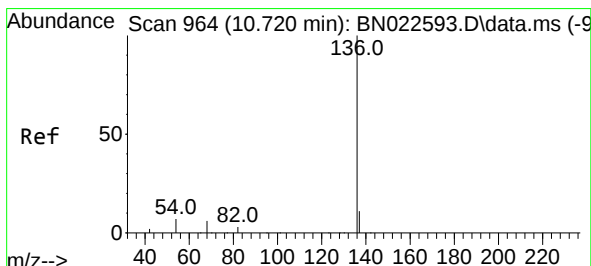
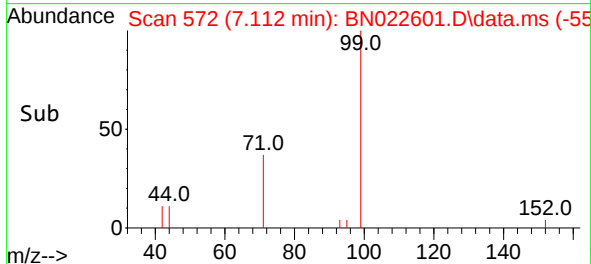
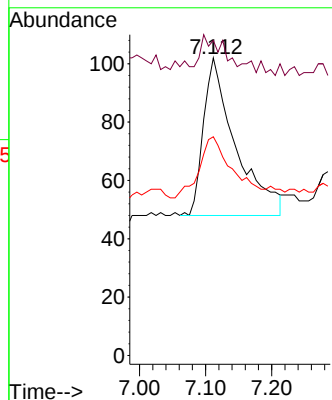
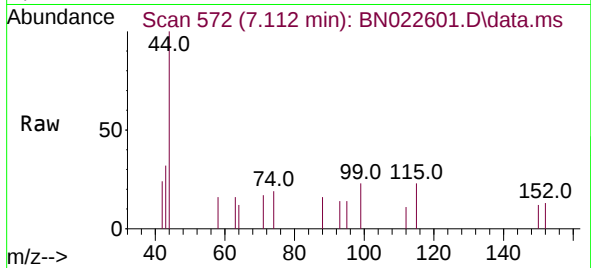




#5
Phenol-d6
Concen: 0.026 ng
RT: 7.112 min Scan# 51
Delta R.T. 0.021 min
Lab File: BN022601.D
Acq: 10 Nov 2022 16:07

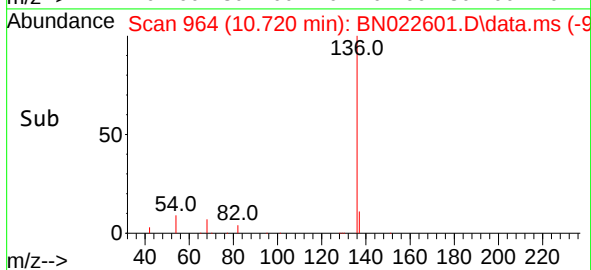
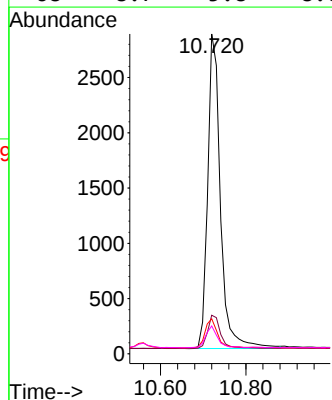
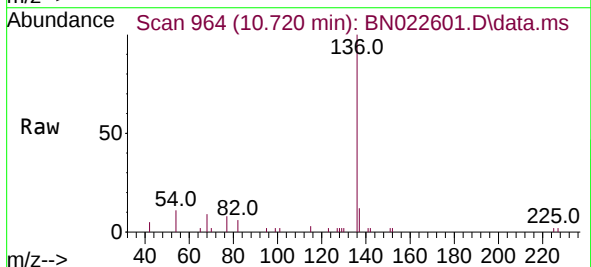
Instrument :
BNA_N
ClientSampleId :
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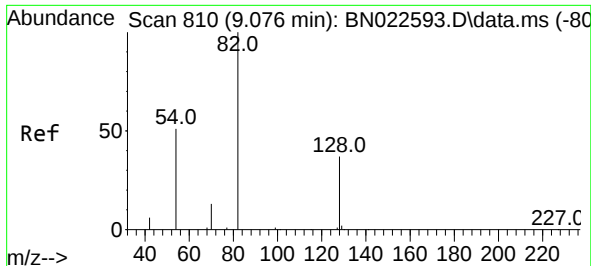
Tgt Ion: 99 Resp: 183
Ion Ratio Lower Upper
99 100
42 12.0 16.0 24.0#
71 39.9 30.1 45.1



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.720 min Scan# 964
Delta R.T. -0.000 min
Lab File: BN022601.D
Acq: 10 Nov 2022 16:07

Tgt Ion: 136 Resp: 5902
Ion Ratio Lower Upper
136 100
137 12.1 9.4 14.2
54 11.0 7.1 10.7#
68 8.7 5.8 8.6#

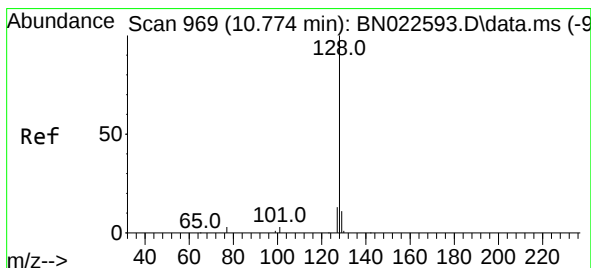
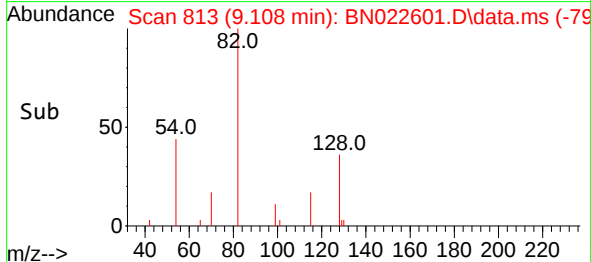
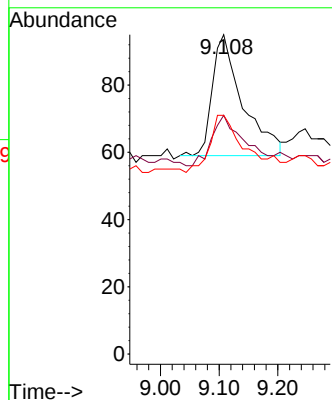
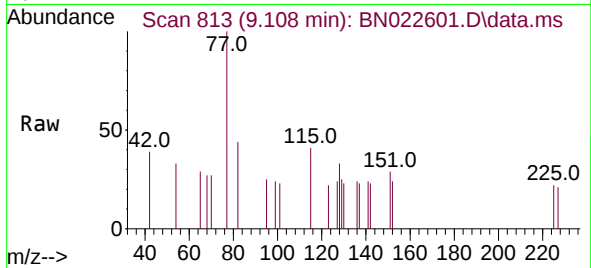




#8
Nitrobenzene-d5
Concen: 0.023 ng
RT: 9.108 min Scan# 810
Delta R.T. 0.032 min
Lab File: BN022601.D
Acq: 10 Nov 2022 16:07

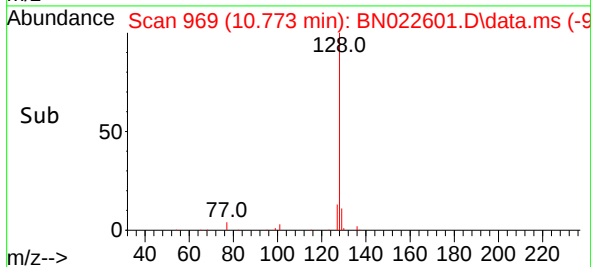
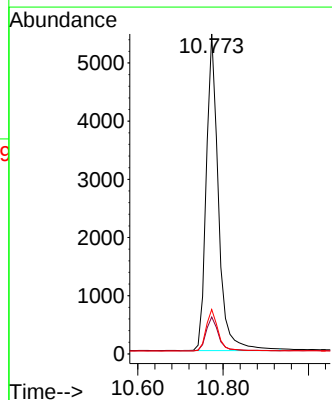
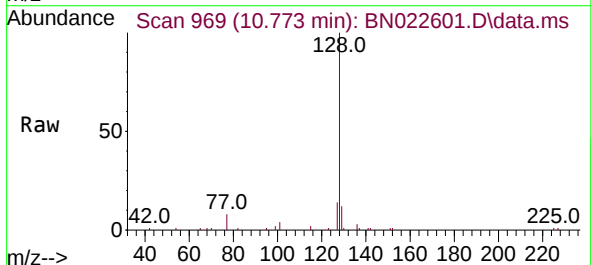
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILD

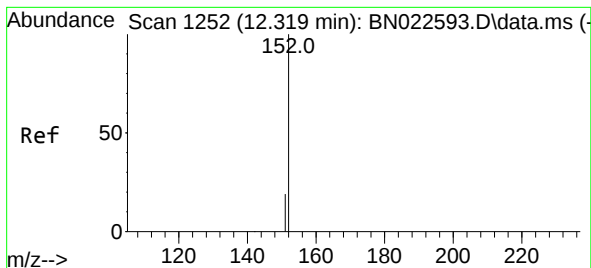
Tgt Ion: 82 Resp: 129
Ion Ratio Lower Upper
82 100
128 74.7 32.0 48.0#
54 74.7 42.3 63.5#



#9
Naphthalene
Concen: 0.619 ng
RT: 10.773 min Scan# 969
Delta R.T. -0.000 min
Lab File: BN022601.D
Acq: 10 Nov 2022 16:07

Tgt Ion: 128 Resp: 10774
Ion Ratio Lower Upper
128 100
129 11.5 9.5 14.3
127 13.9 11.2 16.8

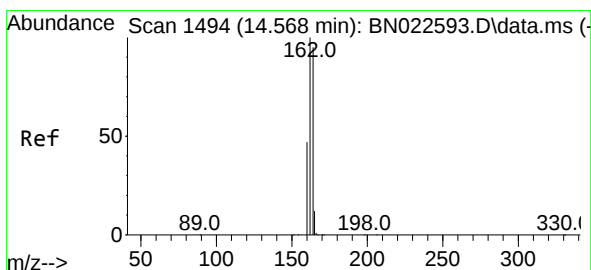
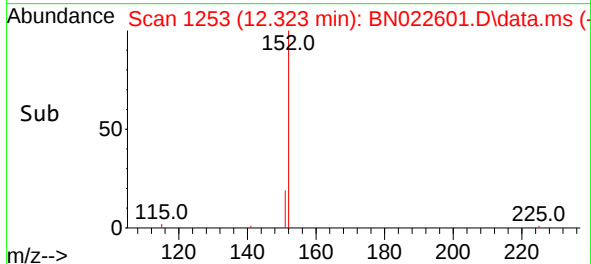
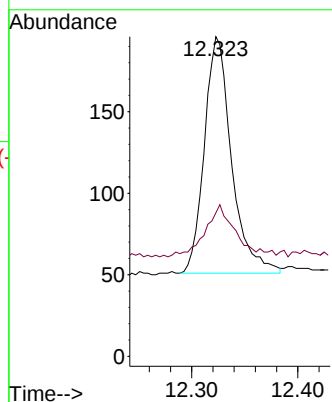
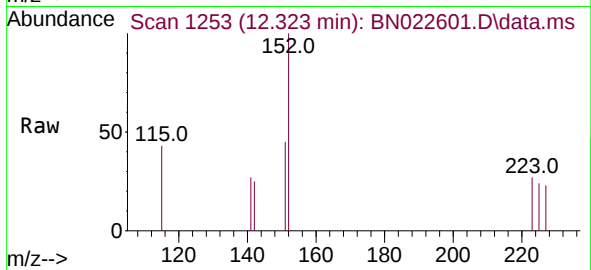




#11
2-Methylnaphthalene-d10
Concen: 0.027 ng
RT: 12.323 min Scan# 1253
Delta R.T. 0.004 min
Lab File: BN022601.D
Acq: 10 Nov 2022 16:07

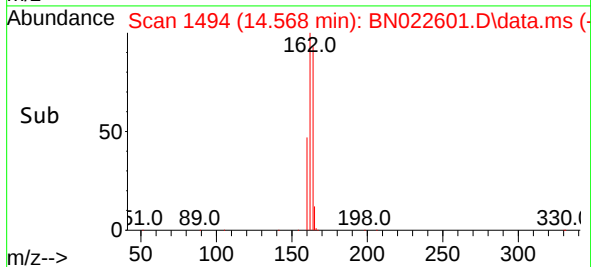
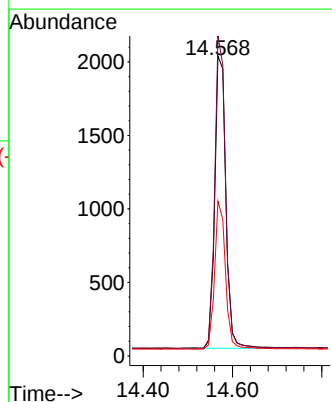
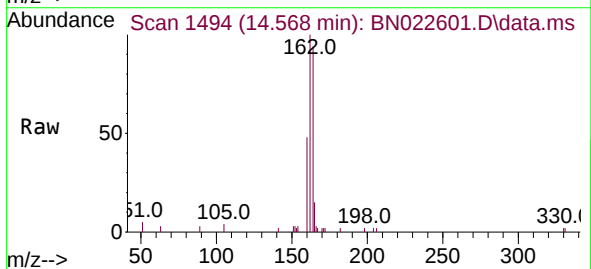
Instrument :
BNA_N
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PT-PAH-SOILD

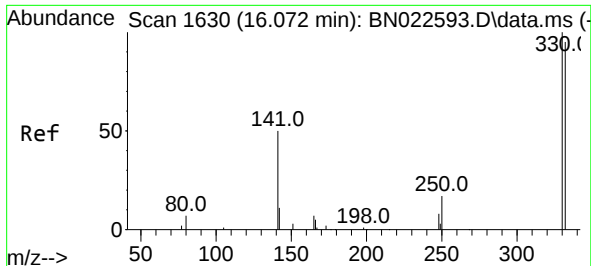
Tgt Ion:152 Resp: 258
Ion Ratio Lower Upper
152 100
151 24.8 16.3 24.5#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.568 min Scan# 1494
Delta R.T. -0.000 min
Lab File: BN022601.D
Acq: 10 Nov 2022 16:07

Tgt Ion:164 Resp: 3445
Ion Ratio Lower Upper
164 100
162 106.8 84.3 126.5
160 51.6 40.6 60.8

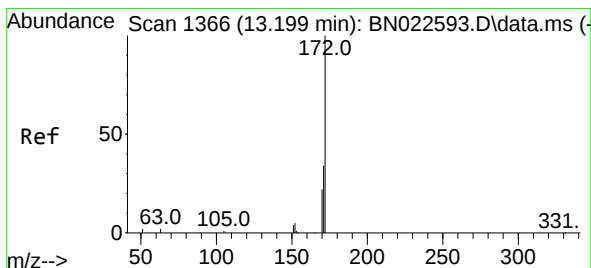
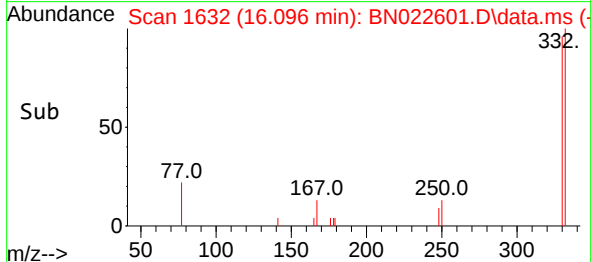
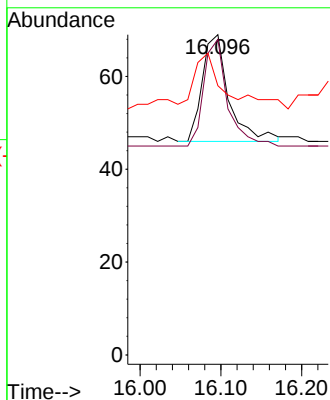
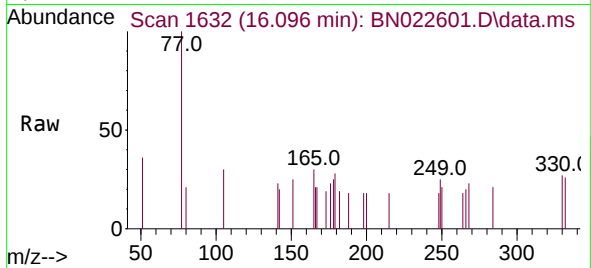




#14
2,4,6-Tribromophenol
Concen: 0.032 ng
RT: 16.096 min Scan# 1632
Delta R.T. 0.025 min
Lab File: BN022601.D
Acq: 10 Nov 2022 16:07

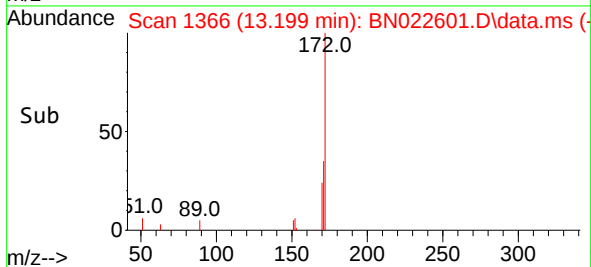
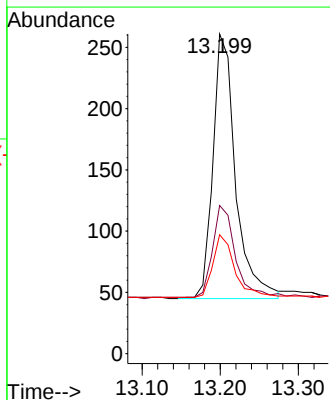
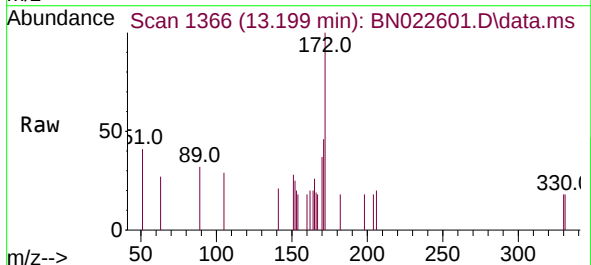
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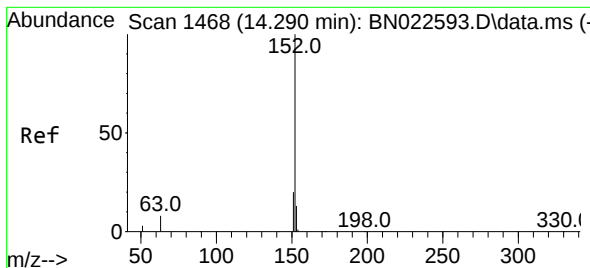
Tgt Ion: 330 Resp: 53
Ion Ratio Lower Upper
330 100
332 88.7 77.5 116.3
141 47.2 33.3 49.9



#15
2-Fluorobiphenyl
Concen: 0.031 ng
RT: 13.199 min Scan# 1366
Delta R.T. -0.000 min
Lab File: BN022601.D
Acq: 10 Nov 2022 16:07

Tgt Ion: 172 Resp: 436
Ion Ratio Lower Upper
172 100
171 46.4 28.0 42.0#
170 37.2 18.6 28.0#





#16

Acenaphthylene

Concen: 0.677 ng

RT: 14.290 min Scan# 1468

Delta R.T. -0.000 min

Lab File: BN022601.D

Acq: 10 Nov 2022 16:07

Instrument :

BNA_N

ClientSampleId :

PT-PAH-SOILD

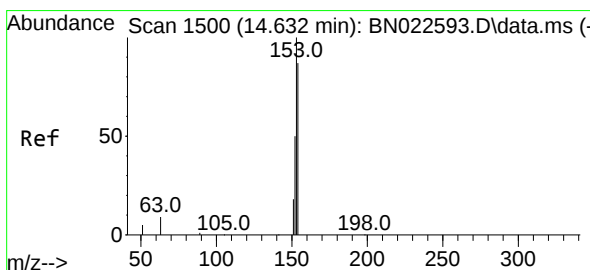
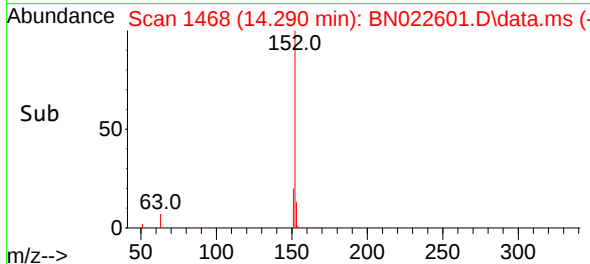
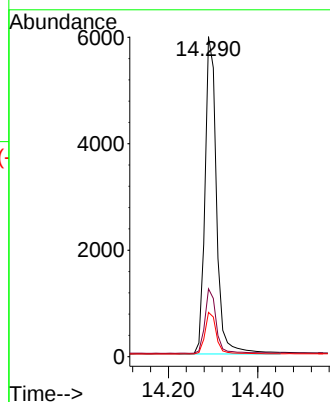
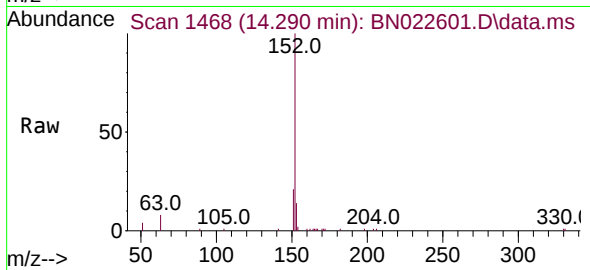
Tgt Ion:152 Resp: 10737

Ion Ratio Lower Upper

152 100

151 19.9 15.8 23.8

153 13.1 10.2 15.4



#17

Acenaphthene

Concen: 1.246 ng

RT: 14.632 min Scan# 1500

Delta R.T. -0.000 min

Lab File: BN022601.D

Acq: 10 Nov 2022 16:07

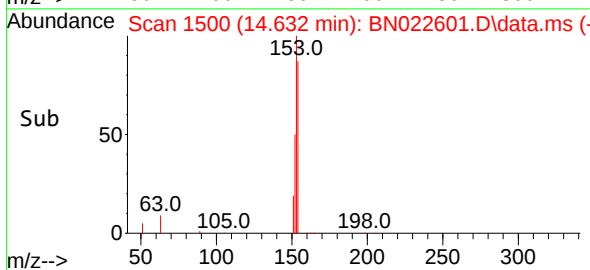
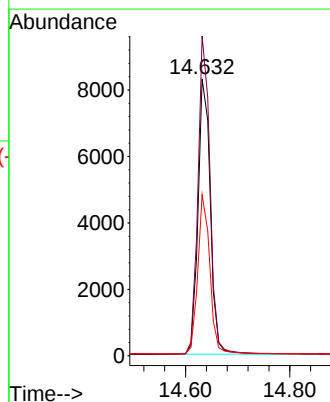
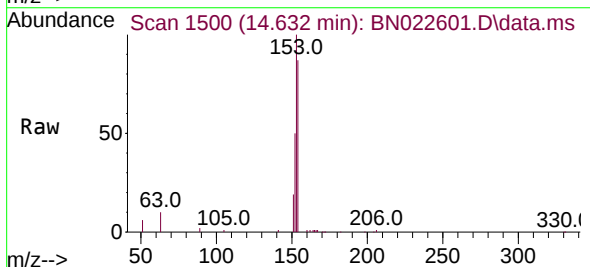
Tgt Ion:154 Resp: 13544

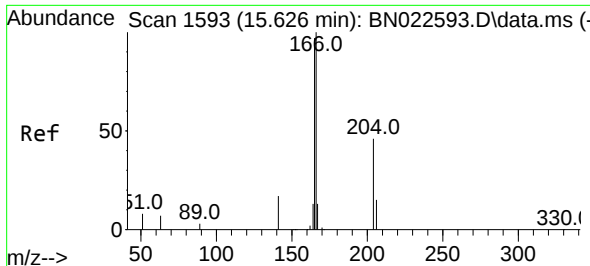
Ion Ratio Lower Upper

154 100

153 114.0 92.2 138.2

152 56.7 45.4 68.0

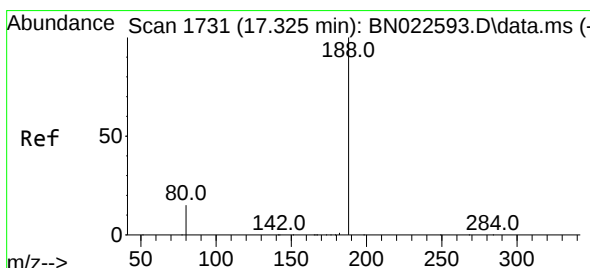
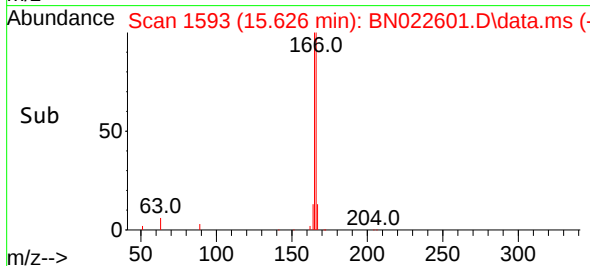
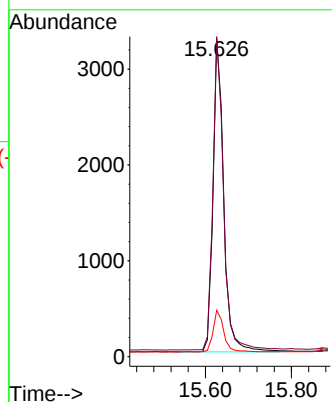
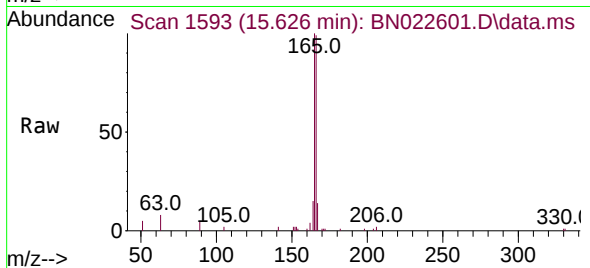




#18
Fluorene
Concen: 0.398 ng
RT: 15.626 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN022601.D
Acq: 10 Nov 2022 16:07

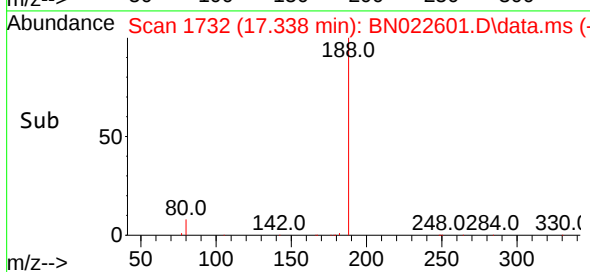
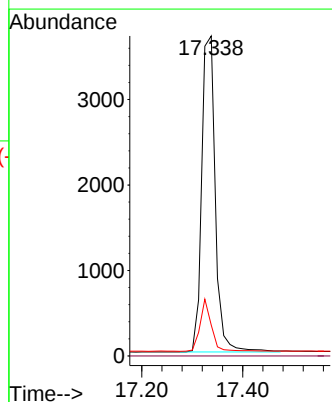
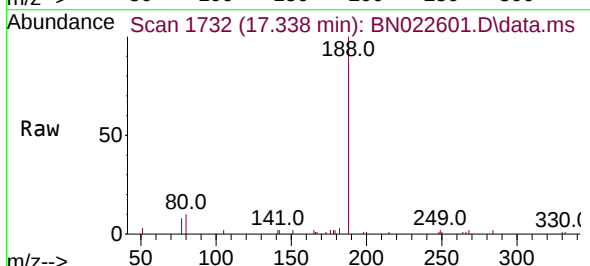
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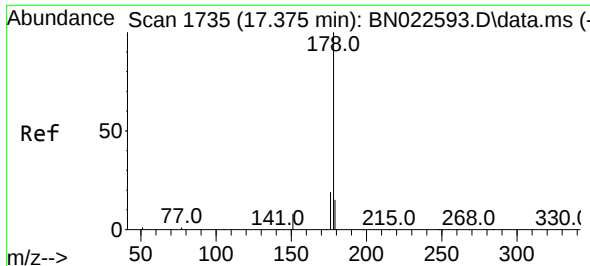
Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.9	78.6	117.8
167	13.4	10.2	15.4



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.338 min Scan# 1732
Delta R.T. 0.012 min
Lab File: BN022601.D
Acq: 10 Nov 2022 16:07

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.6	13.1	19.7

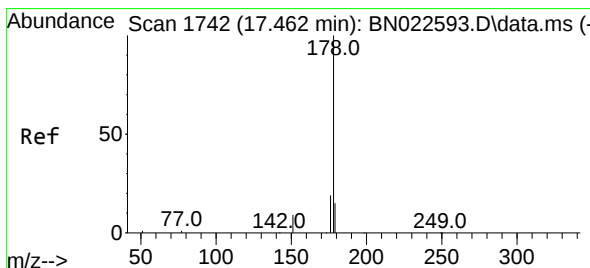
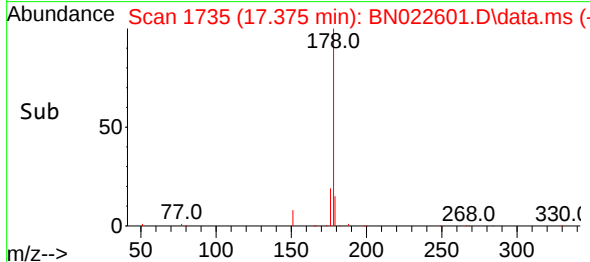
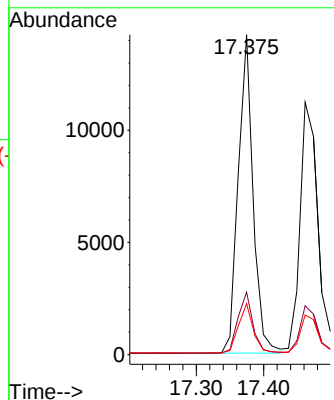
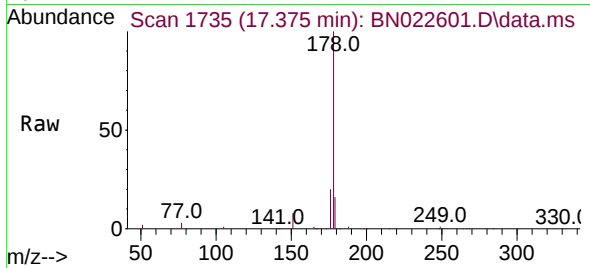




#25
Phenanthrene
Concen: 0.977 ng
RT: 17.375 min Scan# 1735
Delta R.T. -0.000 min
Lab File: BN022601.D
Acq: 10 Nov 2022 16:07

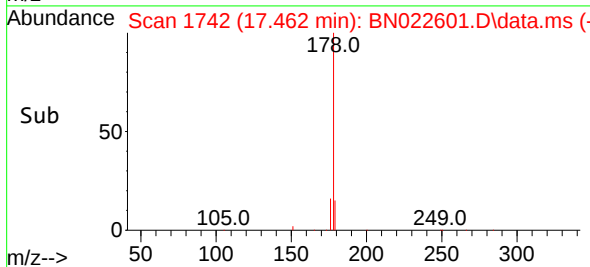
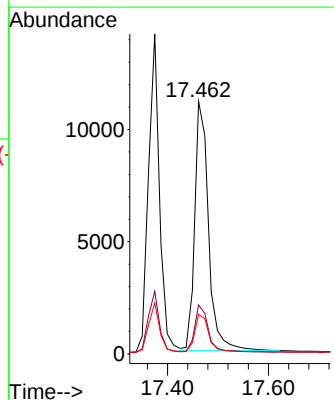
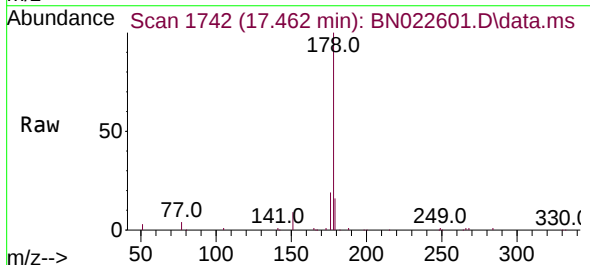
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILD

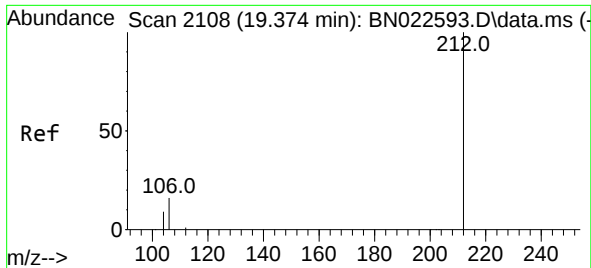
Tgt Ion:178 Resp: 21680
Ion Ratio Lower Upper
178 100
176 19.4 15.7 23.5
179 15.4 12.4 18.6



#26
Anthracene
Concen: 1.110 ng
RT: 17.462 min Scan# 1742
Delta R.T. -0.000 min
Lab File: BN022601.D
Acq: 10 Nov 2022 16:07

Tgt Ion:178 Resp: 21049
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.4
179 15.2 12.2 18.2

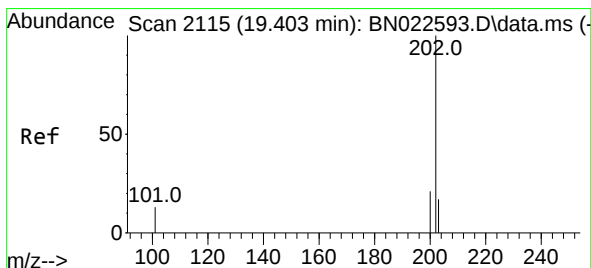
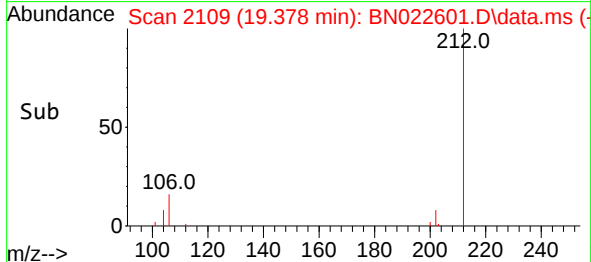
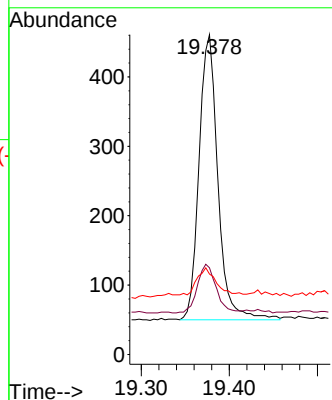
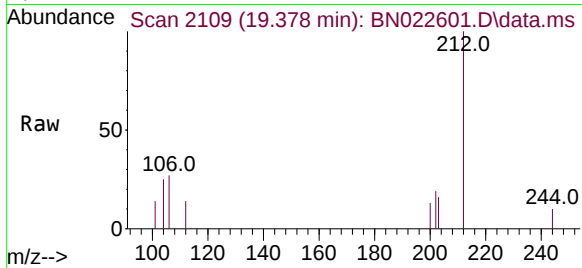




#27
Fluoranthene-d10
Concen: 0.032 ng
RT: 19.378 min Scan# 2108
Delta R.T. 0.004 min
Lab File: BN022601.D
Acq: 10 Nov 2022 16:07

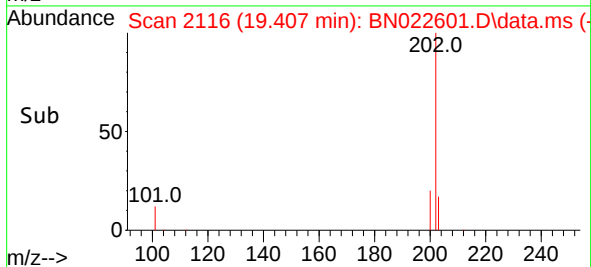
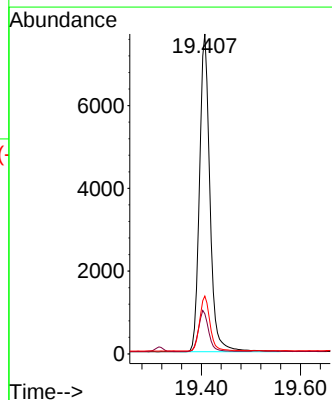
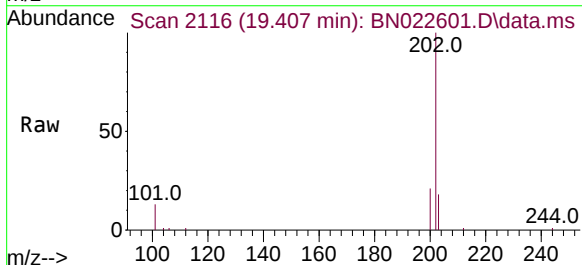
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILD

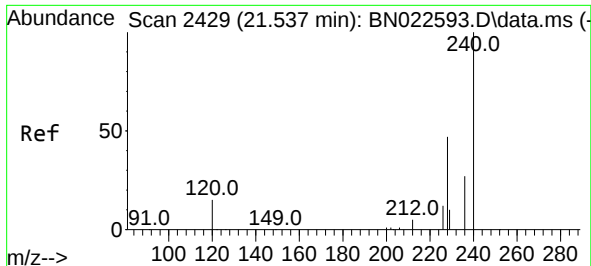
Tgt Ion:212 Resp: 611
Ion Ratio Lower Upper
212 100
106 16.9 13.0 19.6
104 10.3 7.4 11.2



#28
Fluoranthene
Concen: 0.463 ng
RT: 19.407 min Scan# 2116
Delta R.T. 0.004 min
Lab File: BN022601.D
Acq: 10 Nov 2022 16:07

Tgt Ion:202 Resp: 11136
Ion Ratio Lower Upper
202 100
101 12.8 10.5 15.7
203 17.3 13.5 20.3

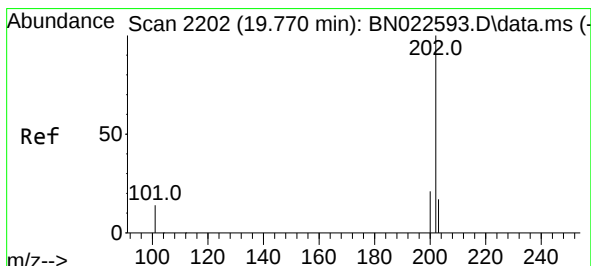
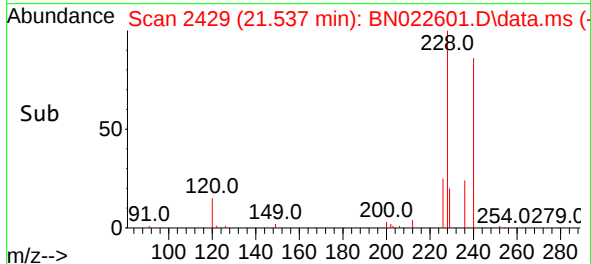
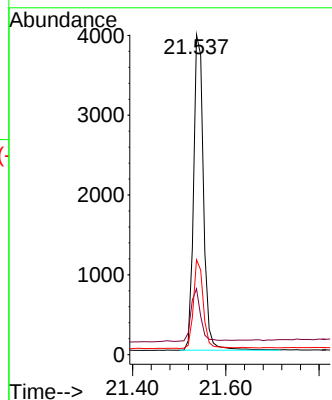
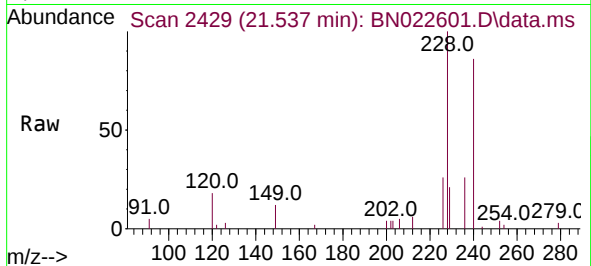




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.537 min Scan# 2429
Delta R.T. -0.000 min
Lab File: BN022601.D
Acq: 10 Nov 2022 16:07

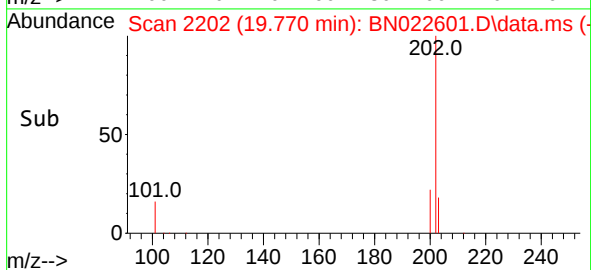
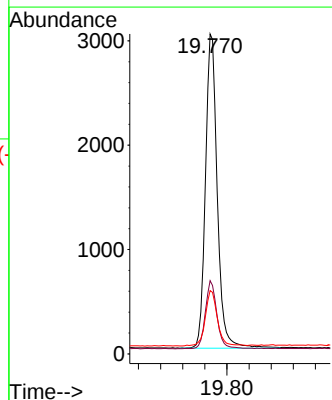
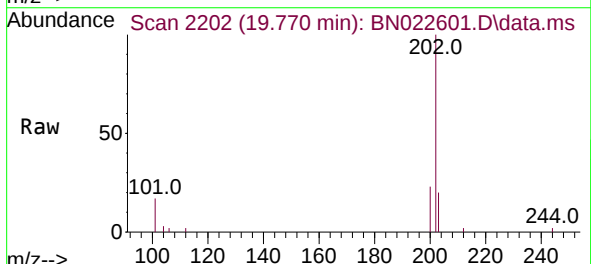
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILD

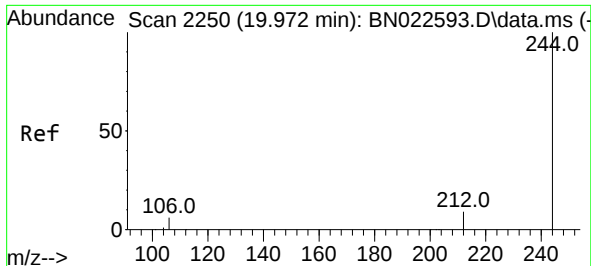
Tgt Ion:240 Resp: 5857
Ion Ratio Lower Upper
240 100
120 20.6 15.0 22.4
236 29.7 23.1 34.7



#30
Pyrene
Concen: 0.188 ng
RT: 19.770 min Scan# 2202
Delta R.T. -0.000 min
Lab File: BN022601.D
Acq: 10 Nov 2022 16:07

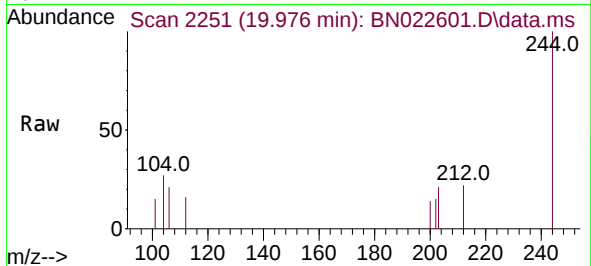
Tgt Ion:202 Resp: 4481
Ion Ratio Lower Upper
202 100
200 21.2 16.8 25.2
203 18.0 14.2 21.2



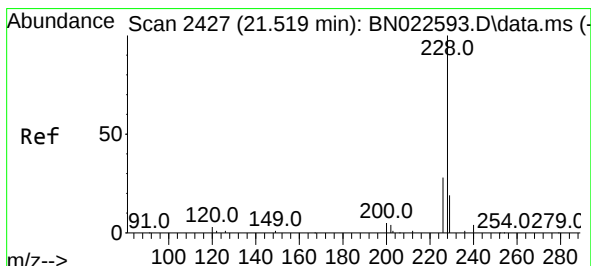
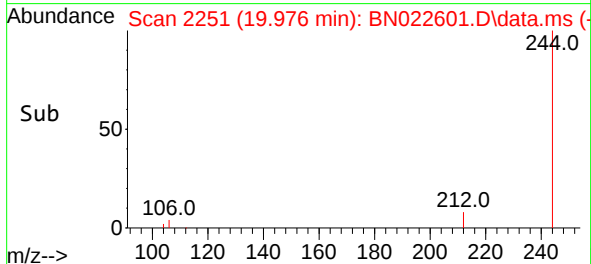
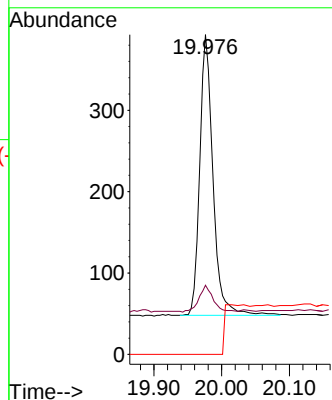


#31
 Terphenyl-d14
 Concen: 0.036 ng
 RT: 19.976 min Scan# 21
 Delta R.T. 0.004 min
 Lab File: BN022601.D
 Acq: 10 Nov 2022 16:07

Instrument :
 BNA_N
 ClientSampleId :
 PT-PAH-SOILD

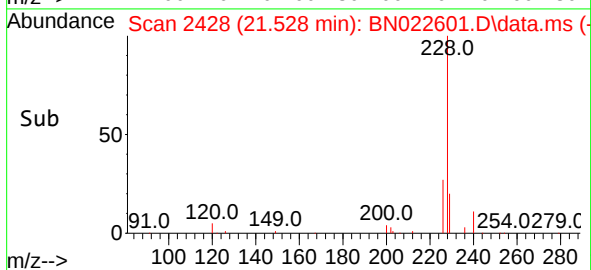
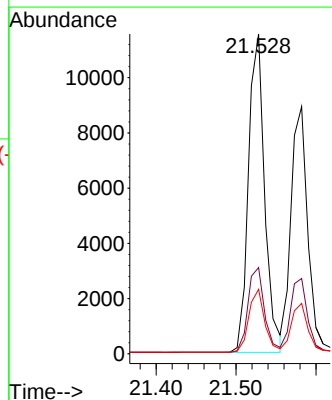
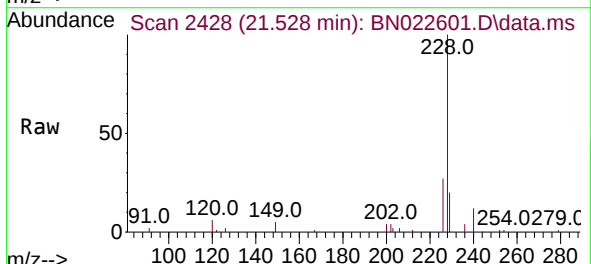


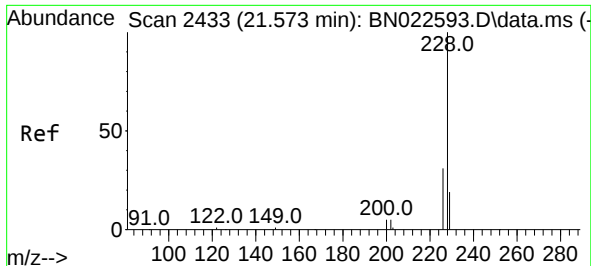
Tgt Ion:244 Resp: 645
 Ion Ratio Lower Upper
 244 100
 212 21.6 8.0 12.0#
 122 0.0 0.0 0.0



#32
 Benzo(a)anthracene
 Concen: 0.754 ng
 RT: 21.528 min Scan# 2428
 Delta R.T. 0.009 min
 Lab File: BN022601.D
 Acq: 10 Nov 2022 16:07

Tgt Ion:228 Resp: 16231
 Ion Ratio Lower Upper
 228 100
 226 27.0 23.0 34.6
 229 20.2 16.3 24.5





#33

Chrysene

Concen: 0.584 ng

RT: 21.582 min Scan# 2434

Delta R.T. 0.009 min

Lab File: BN022601.D

Acq: 10 Nov 2022 16:07

Instrument :

BNA_N

ClientSampleId :

PT-PAH-SOILDL

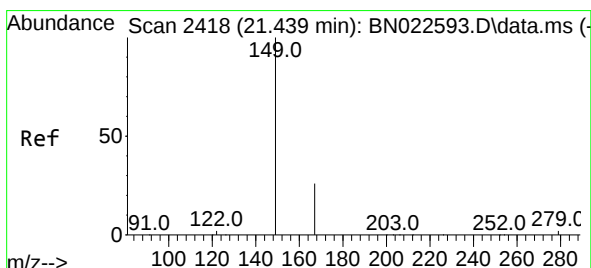
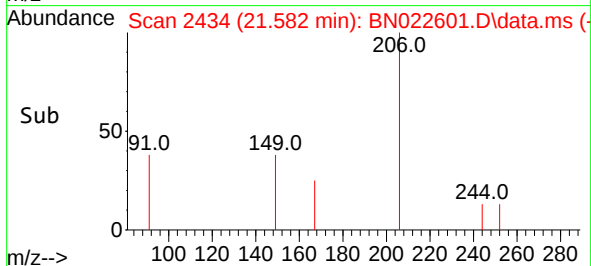
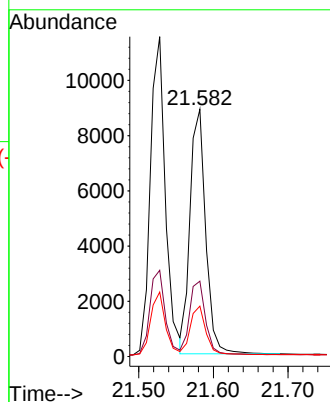
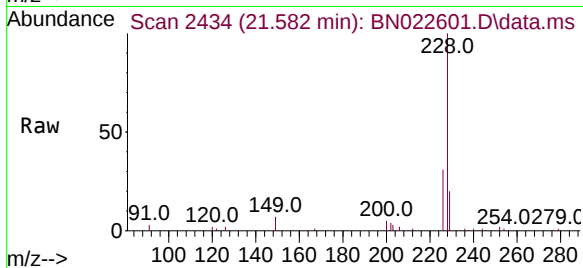
Tgt Ion:228 Resp: 12959

Ion Ratio Lower Upper

228 100

226 30.5 25.3 37.9

229 20.4 16.0 24.0



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.037 ng

RT: 21.439 min Scan# 2418

Delta R.T. -0.000 min

Lab File: BN022601.D

Acq: 10 Nov 2022 16:07

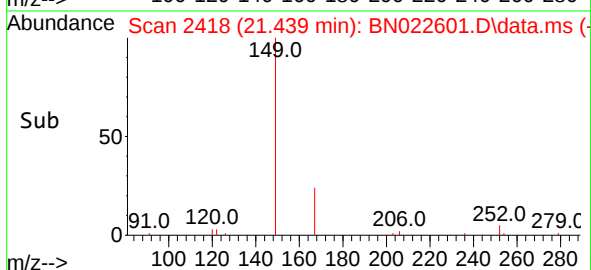
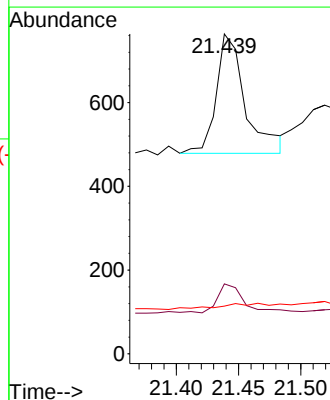
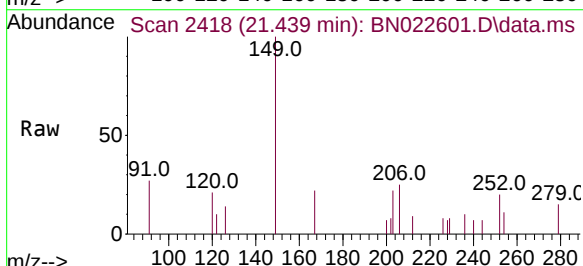
Tgt Ion:149 Resp: 464

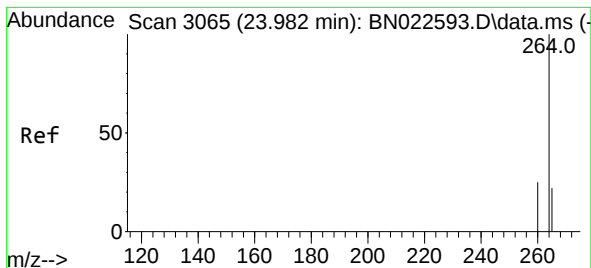
Ion Ratio Lower Upper

149 100

167 22.6 20.8 31.2

279 0.0 2.4 3.6#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.982 min Scan# 3065

Delta R.T. -0.000 min

Lab File: BN022601.D

Acq: 10 Nov 2022 16:07

Instrument :

BNA_N

ClientSampleId :

PT-PAH-SOILDL

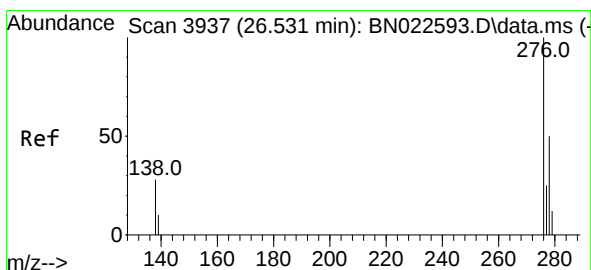
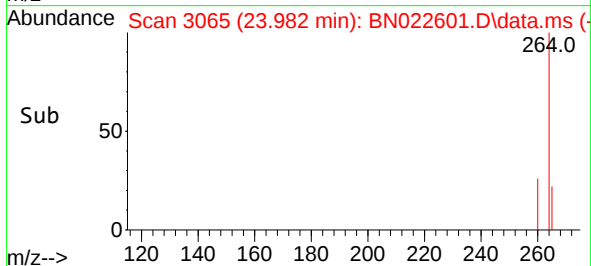
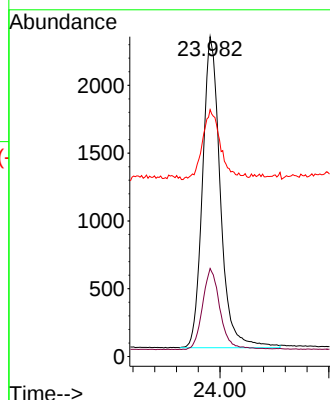
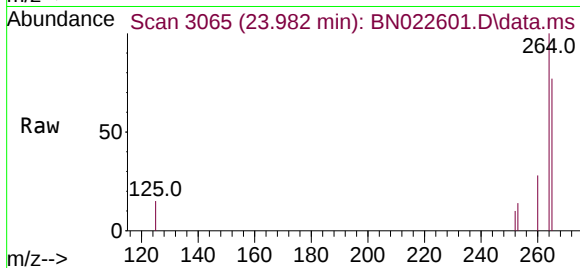
Tgt Ion:264 Resp: 5218

Ion Ratio Lower Upper

264 100

260 27.5 21.2 31.8

265 77.2 57.5 86.3



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.663 ng

RT: 26.534 min Scan# 3938

Delta R.T. 0.003 min

Lab File: BN022601.D

Acq: 10 Nov 2022 16:07

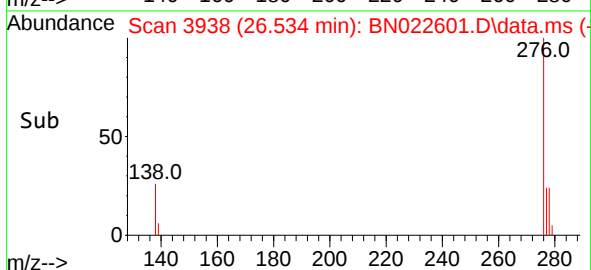
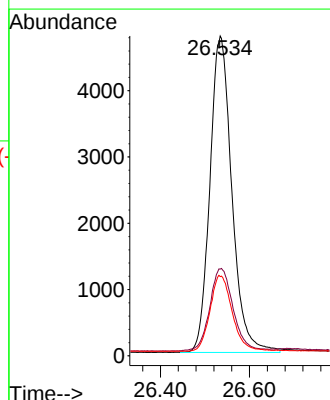
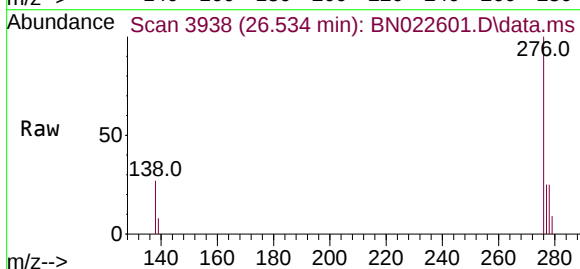
Tgt Ion:276 Resp: 16338

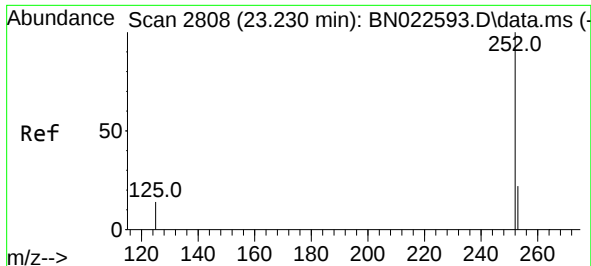
Ion Ratio Lower Upper

276 100

138 27.8 24.3 36.5

277 24.3 19.8 29.6

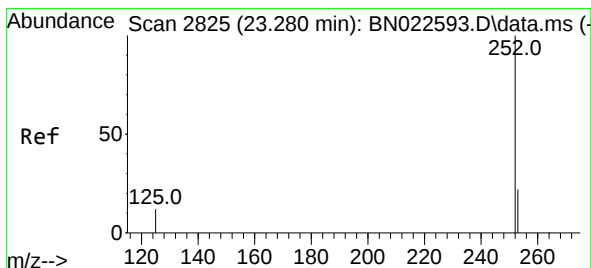
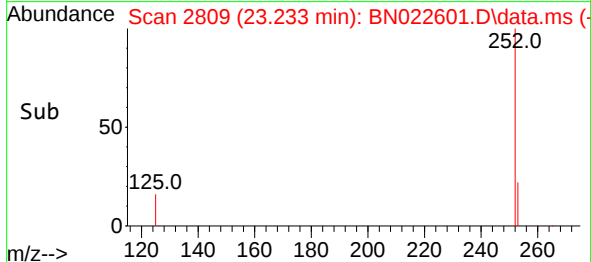
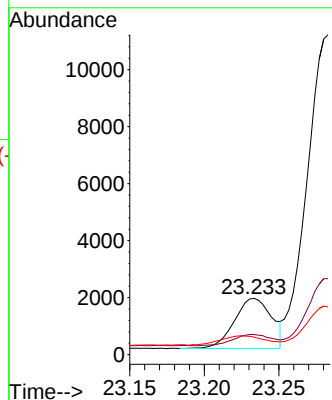
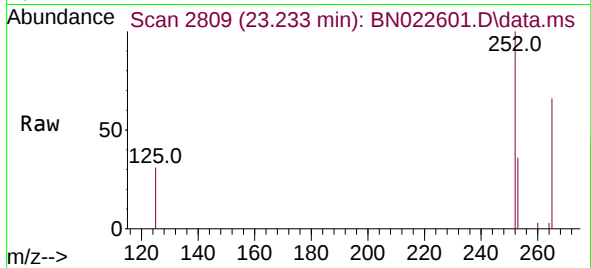




#37
Benzo(b)fluoranthene
Concen: 0.146 ng
RT: 23.233 min Scan# 2809
Delta R.T. 0.003 min
Lab File: BN022601.D
Acq: 10 Nov 2022 16:07

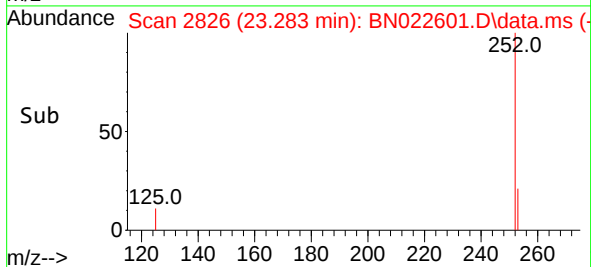
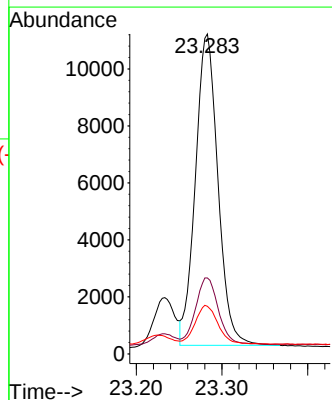
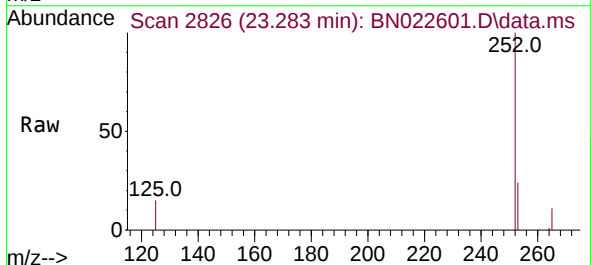
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILD

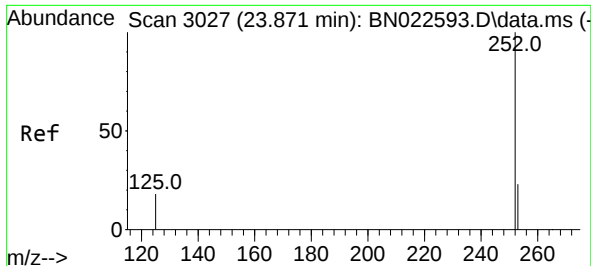
Tgt Ion:252 Resp: 3079
Ion Ratio Lower Upper
252 100
253 35.8 21.5 32.3#
125 31.3 15.5 23.3#



#38
Benzo(k)fluoranthene
Concen: 0.945 ng
RT: 23.283 min Scan# 2826
Delta R.T. 0.003 min
Lab File: BN022601.D
Acq: 10 Nov 2022 16:07

Tgt Ion:252 Resp: 19917
Ion Ratio Lower Upper
252 100
253 23.7 21.7 32.5
125 14.9 14.5 21.7





#39

Benzo(a)pyrene

Concen: 0.131 ng

RT: 23.874 min Scan# 3027

Delta R.T. 0.003 min

Lab File: BN022601.D

Acq: 10 Nov 2022 16:07

Instrument :

BNA_N

ClientSampleId :

PT-PAH-SOILDL

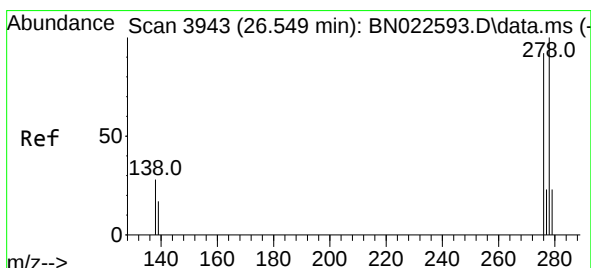
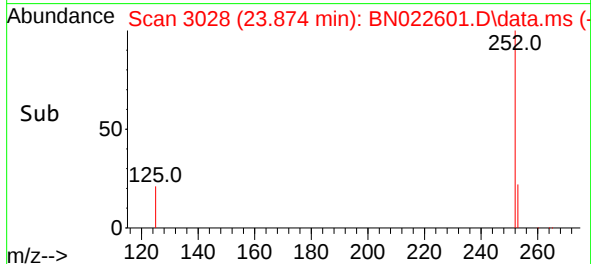
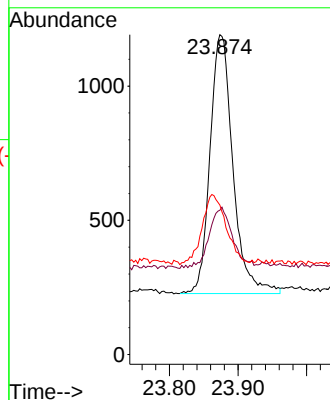
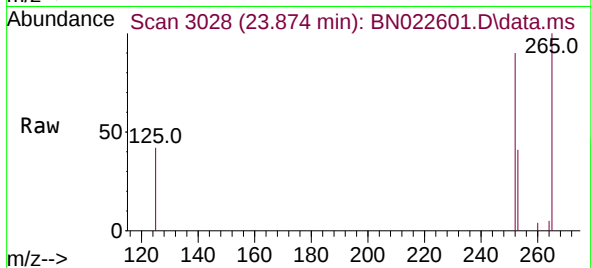
Tgt Ion:252 Resp: 2244

Ion Ratio Lower Upper

252 100

253 45.1 24.7 37.1#

125 46.7 21.3 31.9#



#40

Dibenzo(a,h)anthracene

Concen: 0.361 ng

RT: 26.555 min Scan# 3945

Delta R.T. 0.006 min

Lab File: BN022601.D

Acq: 10 Nov 2022 16:07

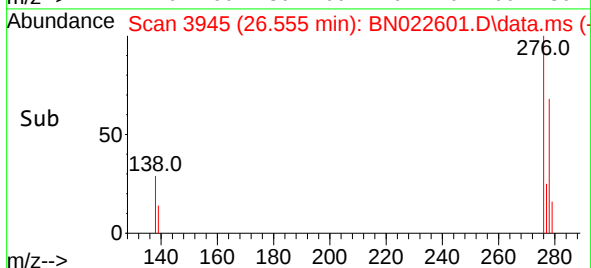
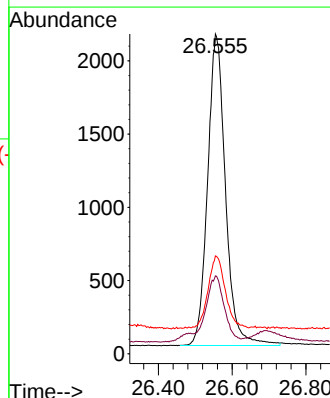
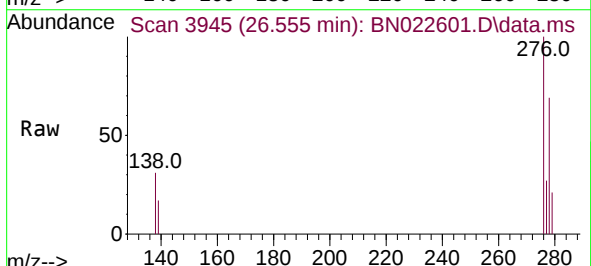
Tgt Ion:278 Resp: 7148

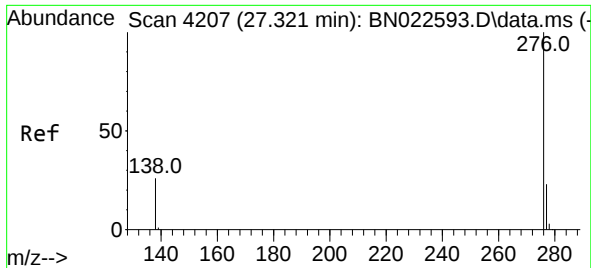
Ion Ratio Lower Upper

278 100

139 24.4 19.1 28.7

279 30.6 23.7 35.5





#41

Benzo(g,h,i)perylene

Concen: 0.254 ng

RT: 27.326 min Scan# 41

Delta R.T. 0.006 min

Lab File: BN022601.D

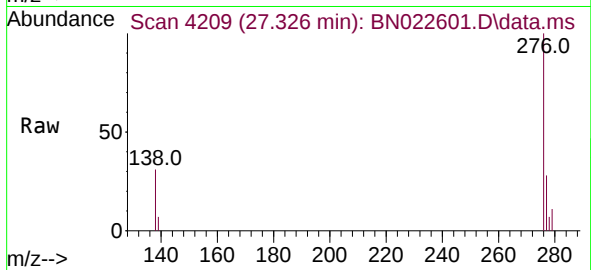
Acq: 10 Nov 2022 16:07

Instrument :

BNA_N

ClientSampleId :

PT-PAH-SOILD



Tgt Ion:276 Resp: 5306

Ion Ratio Lower Upper

276 100

277 28.1 20.6 31.0

138 31.0 23.0 34.4

