

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051222\
 Data File : BN019748.D
 Acq On : 12 May 2022 13:43
 Operator : CG/JU
 Sample : N2656-14DL 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PT-PAH-SOILD

Quant Time: May 13 06:16:00 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN050922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 10 01:35:26 2022
 Response via : Initial Calibration

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

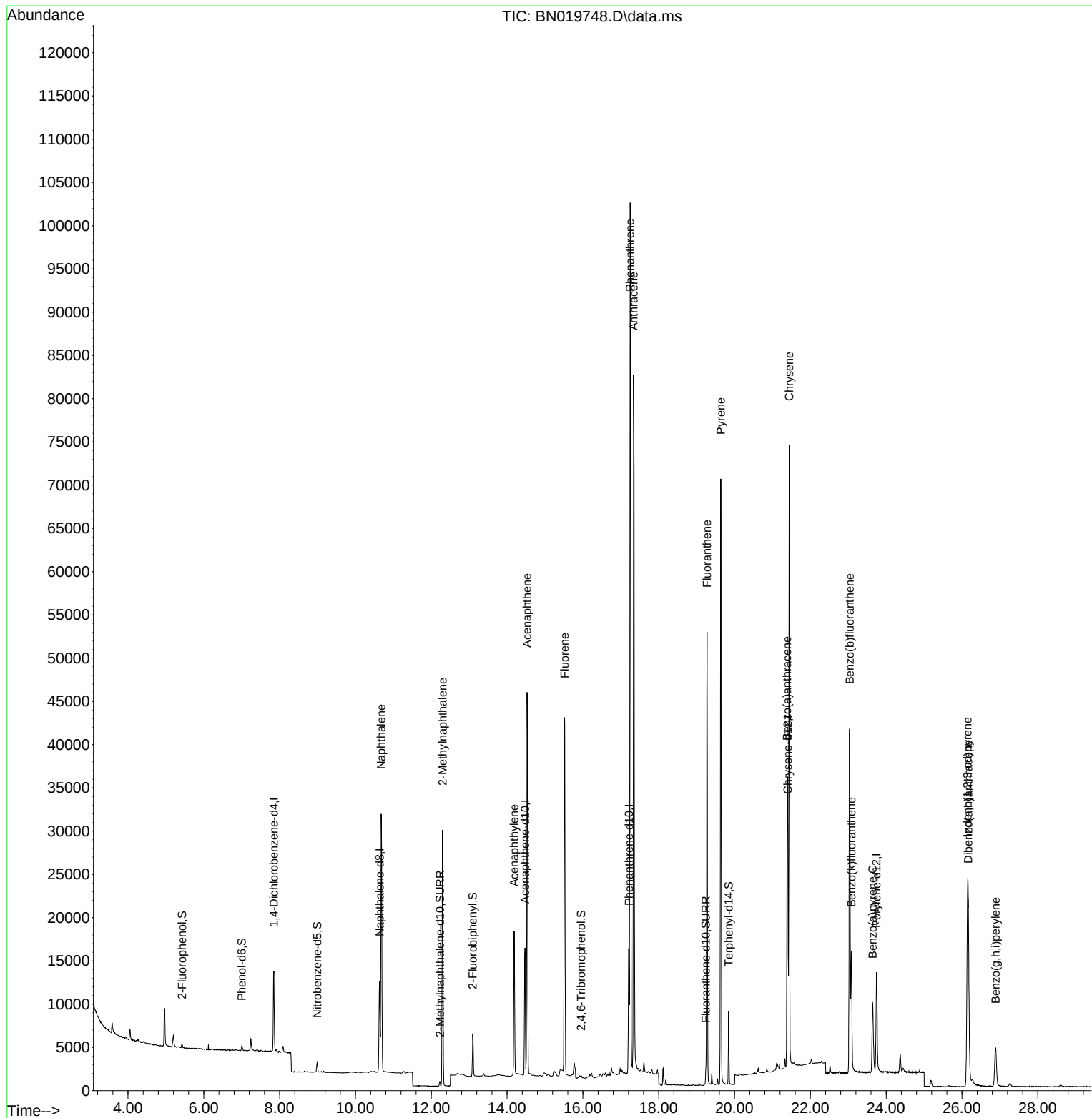
Internal Standards					
1) 1,4-Dichlorobenzene-d4	7.847	152	4686	0.400 ng	-0.01
7) Naphthalene-d8	10.637	136	14732	0.400 ng	-0.01
13) Acenaphthene-d10	14.474	164	9144	0.400 ng	0.00
19) Phenanthrene-d10	17.215	188	21113	0.400 ng	# 0.00
29) Chrysene-d12	21.404	240	19114	0.400 ng	0.00
35) Perylene-d12	23.747	264	17025	0.400 ng	# 0.00
System Monitoring Compounds					
4) 2-Fluorophenol	5.428	112	429	0.040 ng	-0.01
5) Phenol-d6	7.002	99	548	0.041 ng	-0.02
8) Nitrobenzene-d5	8.993	82	960	0.078 ng	-0.01
11) 2-Methylnaphthalene-d10	12.227	152	791	0.031 ng	0.00
14) 2,4,6-Tribromophenol	15.954	330	175	0.053 ng	-0.01
15) 2-Fluorobiphenyl	13.095	172	4238	0.103 ng	-0.01
27) Fluoranthene-d10	19.244	212	2122	0.035 ng	0.00
31) Terphenyl-d14	19.843	244	9366	0.211 ng	0.00
Target Compounds					Qvalue
9) Naphthalene	10.680	128	41361	0.920 ng	99
12) 2-Methylnaphthalene	12.299	142	21488	0.713 ng	100
16) Acenaphthylene	14.185	152	19352	0.420 ng	97
17) Acenaphthene	14.527	154	22980	0.715 ng	97
18) Fluorene	15.522	166	29721	0.729 ng	100
25) Phenanthrene	17.246	178	113702	1.520 ng	100
26) Anthracene	17.338	178	91388	1.478 ng	100
28) Fluoranthene	19.274	202	47505	0.595 ng	100
30) Pyrene	19.636	202	64947	0.799 ng	100
32) Benzo(a)anthracene	21.387	228	25481	0.368 ng	99
33) Chrysene	21.440	228	58366	0.723 ng	100
36) Indeno(1,2,3-cd)pyrene	26.150	276	37045	0.430 ng	96
37) Benzo(b)fluoranthene	23.036	252	53811	0.704 ng	97
38) Benzo(k)fluoranthene	23.083	252	17963	0.226 ng	97
39) Benzo(a)pyrene	23.641	252	13205	0.223 ng	97
40) Dibenzo(a,h)anthracene	26.167	278	18820	0.267 ng	98
41) Benzo(g,h,i)perylene	26.887	276	10129	0.138 ng	99

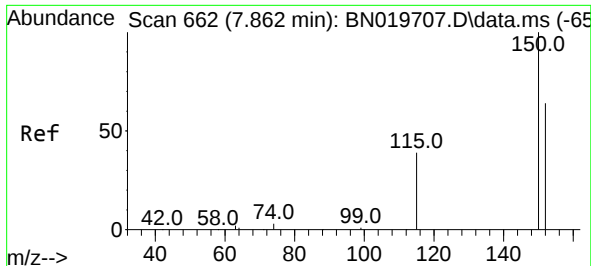
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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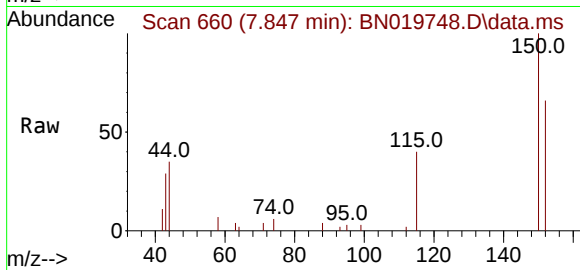
Quant Time: May 13 06:16:00 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 10 01:35:26 2022
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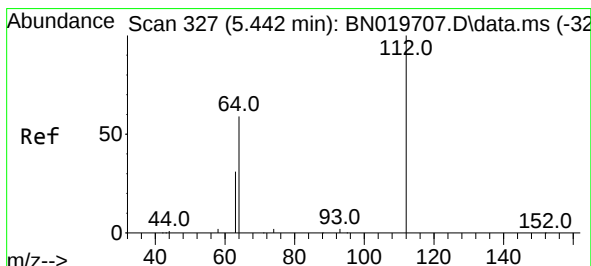
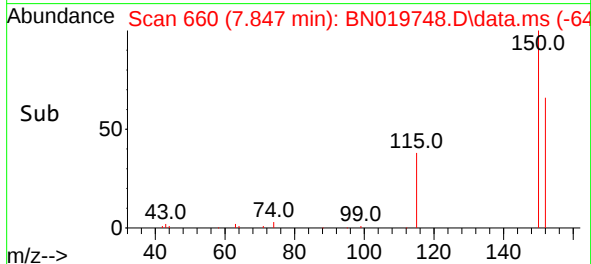
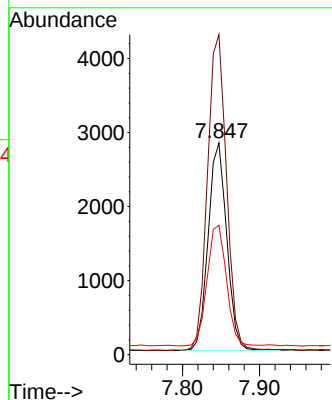


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.847 min Scan# 60
 Delta R.T. -0.015 min
 Lab File: BN019748.D
 Acq: 12 May 2022 13:43

Instrument :
 BNA_N
 ClientSampleId :
 PT-PAH-SOILD

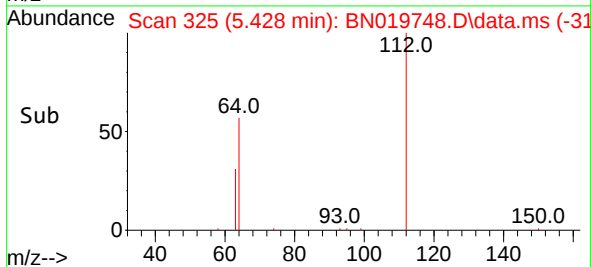
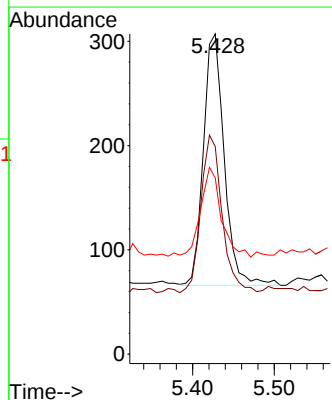
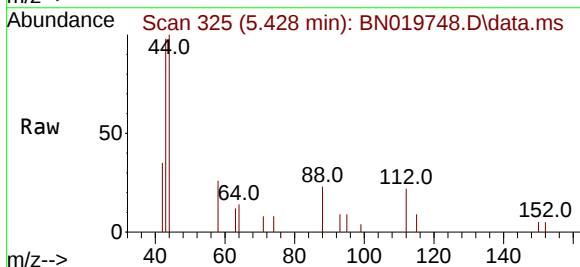


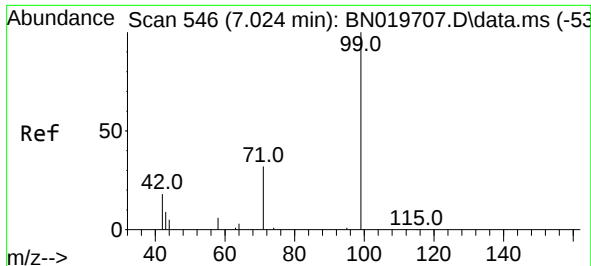
Tgt Ion:152 Resp: 4686
 Ion Ratio Lower Upper
 152 100
 150 151.2 125.0 187.4
 115 61.1 50.6 76.0



#4
 2-Fluorophenol
 Concen: 0.040 ng
 RT: 5.428 min Scan# 325
 Delta R.T. -0.014 min
 Lab File: BN019748.D
 Acq: 12 May 2022 13:43

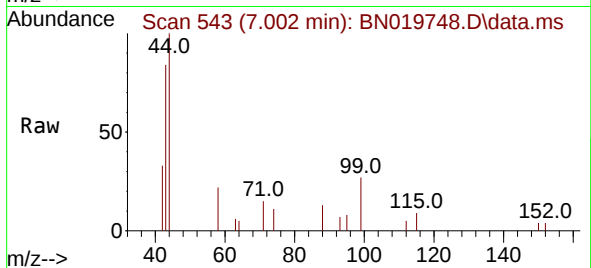
Tgt Ion:112 Resp: 429
 Ion Ratio Lower Upper
 112 100
 64 63.6 49.1 73.7
 63 35.7 26.4 39.6



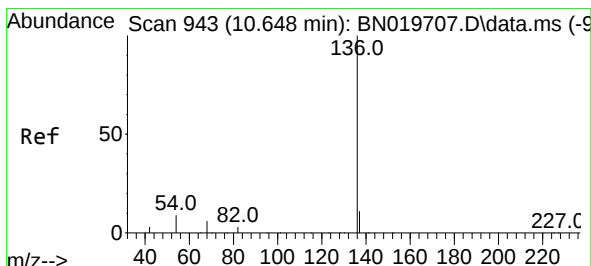
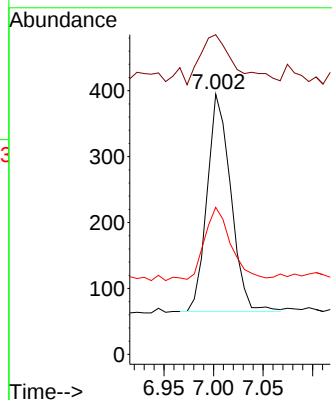
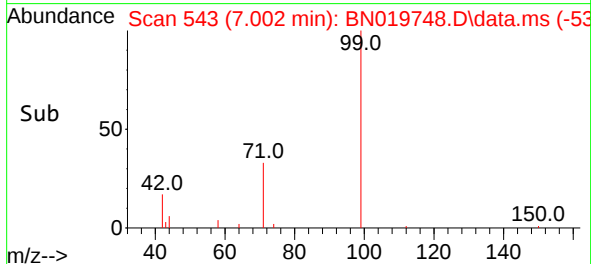


#5
Phenol-d6
Concen: 0.041 ng
RT: 7.002 min Scan# 54
Delta R.T. -0.022 min
Lab File: BN019748.D
Acq: 12 May 2022 13:43

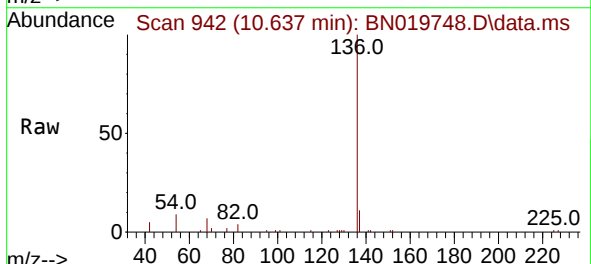
Instrument :
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ClientSampleId :
PT-PAH-SOILD



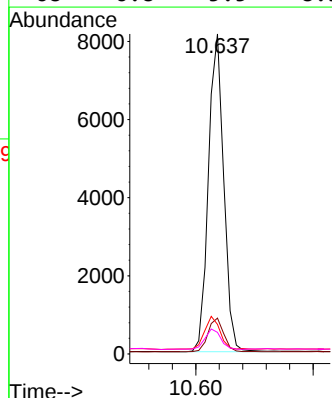
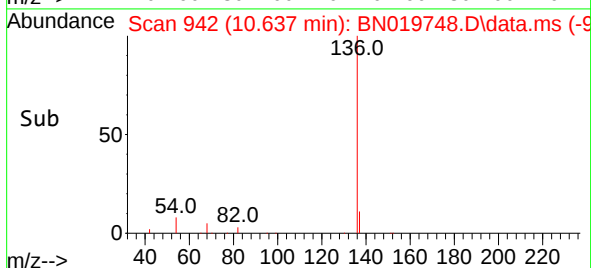
Tgt Ion: 99 Resp: 548
Ion Ratio Lower Upper
99 100
42 30.8 19.6 29.4#
71 35.4 27.3 40.9

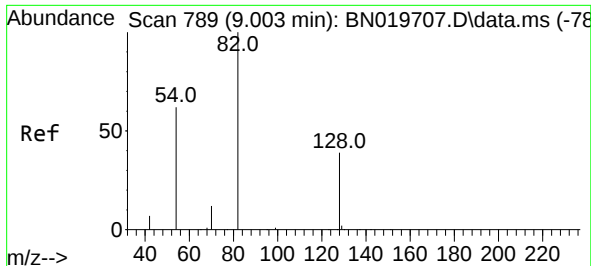


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 942
Delta R.T. -0.011 min
Lab File: BN019748.D
Acq: 12 May 2022 13:43



Tgt Ion: 136 Resp: 14732
Ion Ratio Lower Upper
136 100
137 11.2 9.1 13.7
54 9.3 8.2 12.4
68 6.8 5.5 8.3

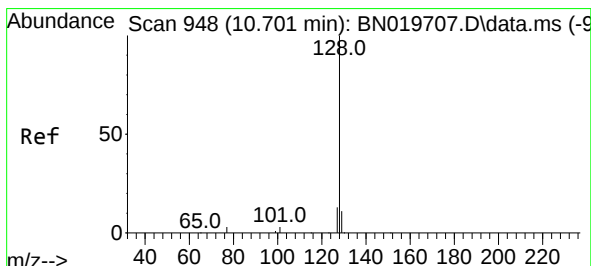
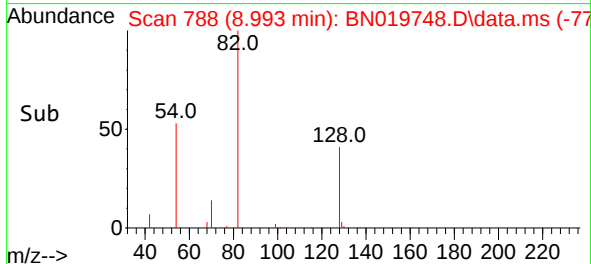
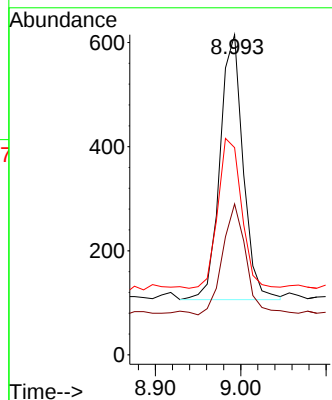
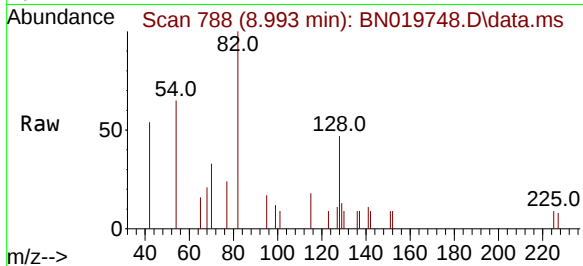




#8
Nitrobenzene-d5
Concen: 0.078 ng
RT: 8.993 min Scan# 788
Delta R.T. -0.011 min
Lab File: BN019748.D
Acq: 12 May 2022 13:43

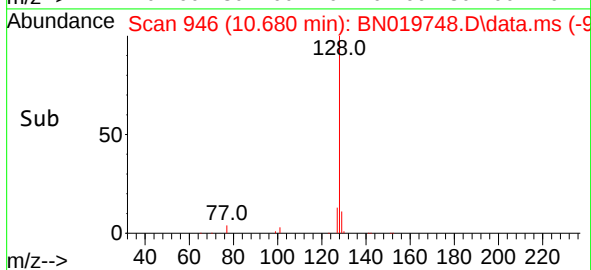
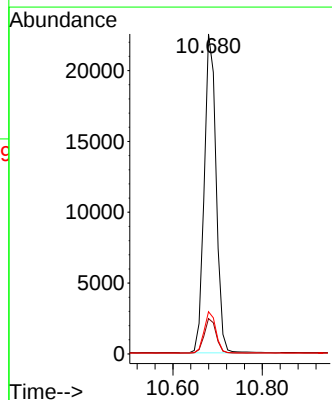
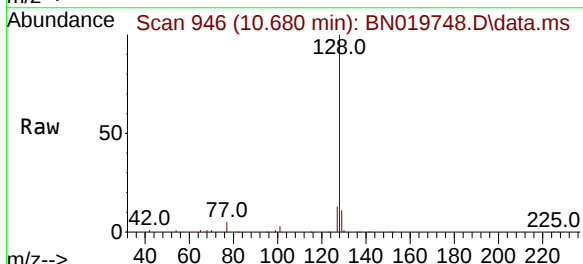
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILD

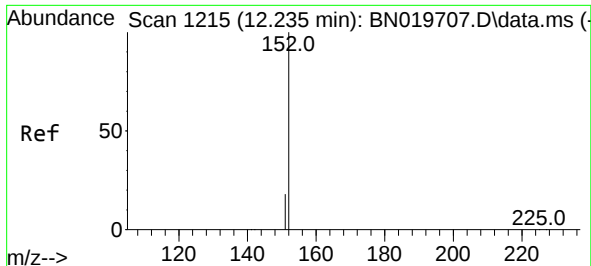
Tgt Ion: 82 Resp: 960
Ion Ratio Lower Upper
82 100
128 47.2 32.4 48.6
54 64.7 50.7 76.1



#9
Naphthalene
Concen: 0.920 ng
RT: 10.680 min Scan# 946
Delta R.T. -0.021 min
Lab File: BN019748.D
Acq: 12 May 2022 13:43

Tgt Ion: 128 Resp: 41361
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.6
127 13.2 10.7 16.1





#11

2-Methylnaphthalene-d10

Concen: 0.031 ng

RT: 12.227 min Scan# 11

Delta R.T. -0.008 min

Lab File: BN019748.D

Acq: 12 May 2022 13:43

Instrument :

BNA_N

ClientSampleId :

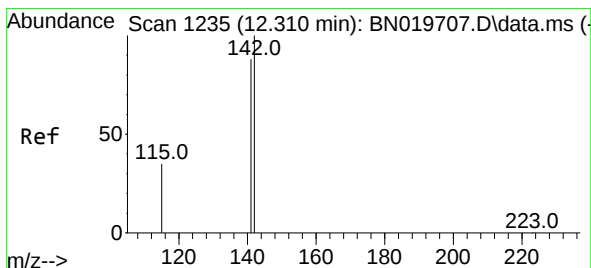
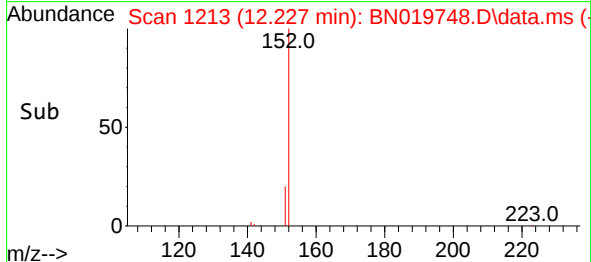
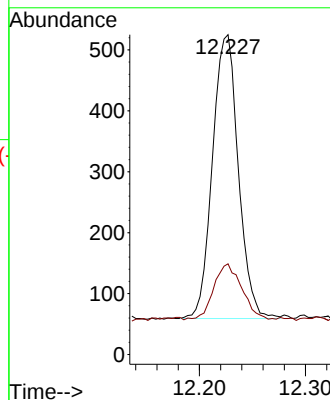
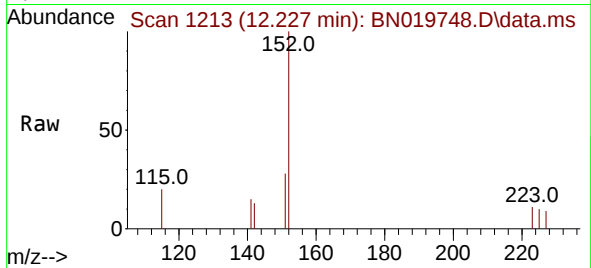
PT-PAH-SOILDL

Tgt Ion:152 Resp: 791

Ion Ratio Lower Upper

152 100

151 21.9 16.4 24.6



#12

2-Methylnaphthalene

Concen: 0.713 ng

RT: 12.299 min Scan# 1232

Delta R.T. -0.011 min

Lab File: BN019748.D

Acq: 12 May 2022 13:43

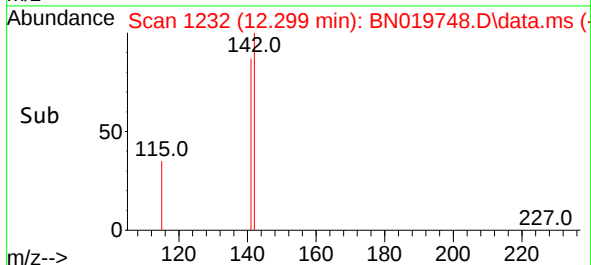
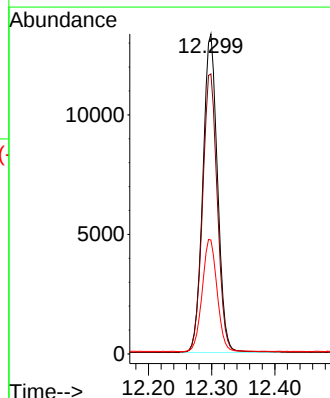
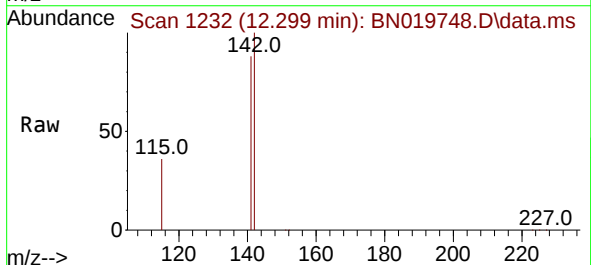
Tgt Ion:142 Resp: 21488

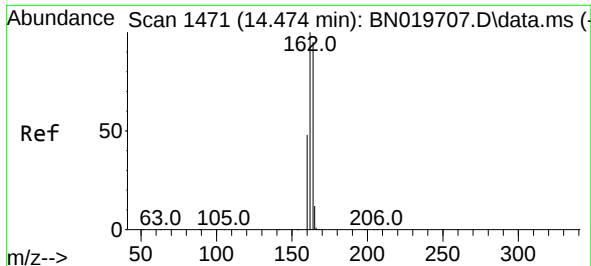
Ion Ratio Lower Upper

142 100

141 87.5 70.1 105.1

115 35.6 28.8 43.2

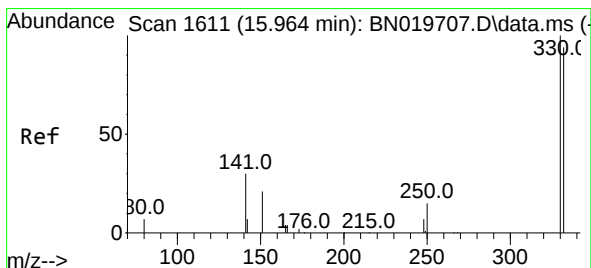
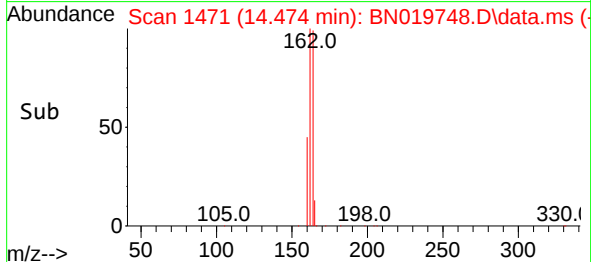
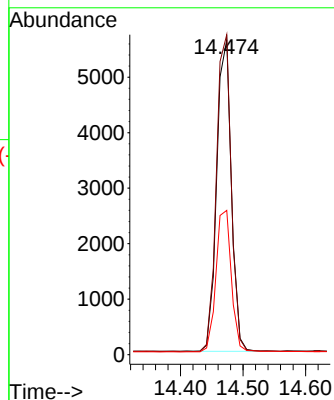
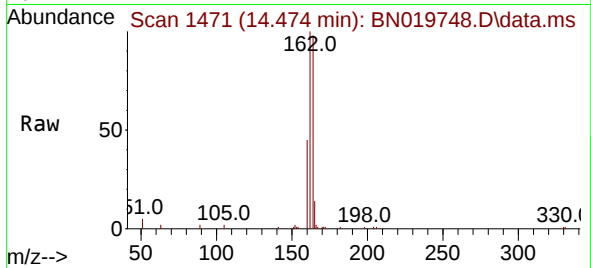




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.474 min Scan# 1471
Delta R.T. 0.000 min
Lab File: BN019748.D
Acq: 12 May 2022 13:43

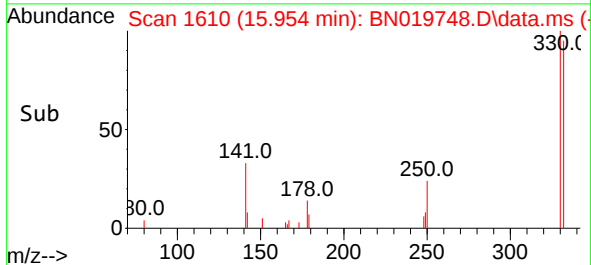
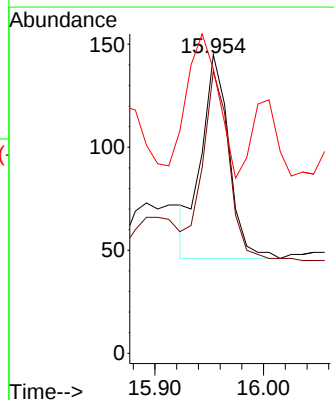
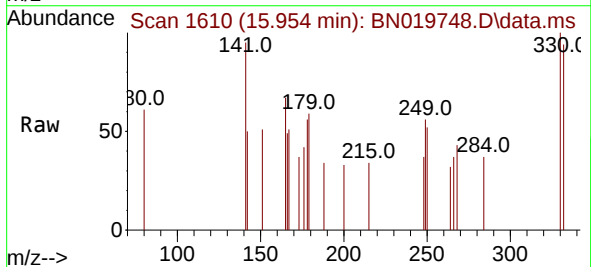
Instrument :
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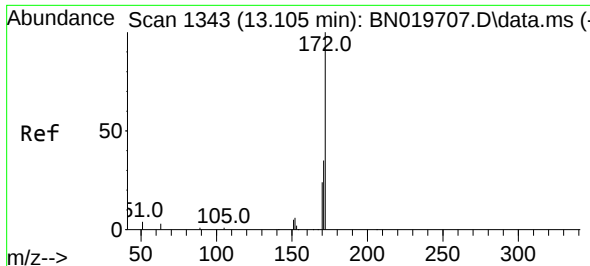
Tgt Ion:164 Resp: 9144
Ion Ratio Lower Upper
164 100
162 101.6 84.0 126.0
160 45.8 41.1 61.7



#14
2,4,6-Tribromophenol
Concen: 0.053 ng
RT: 15.954 min Scan# 1610
Delta R.T. -0.010 min
Lab File: BN019748.D
Acq: 12 May 2022 13:43

Tgt Ion:330 Resp: 175
Ion Ratio Lower Upper
330 100
332 90.9 75.7 113.5
141 80.0 40.2 60.2#

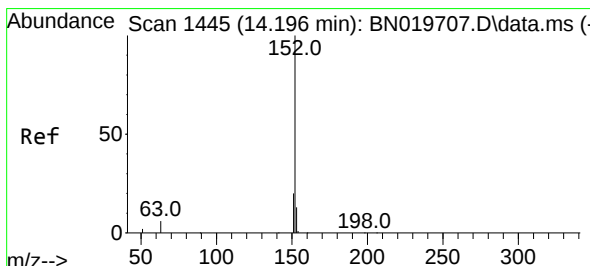
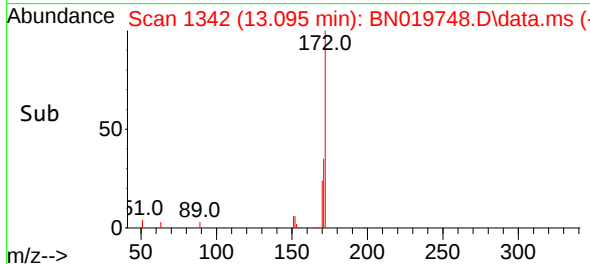
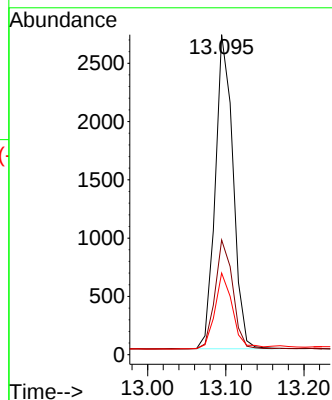
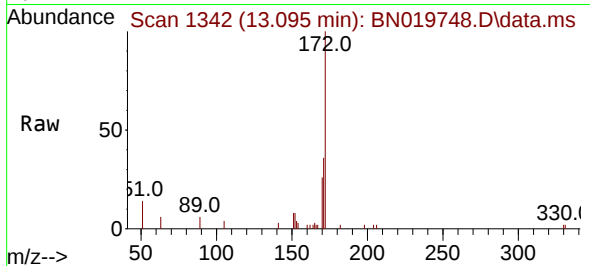




#15
2-Fluorobiphenyl
Concen: 0.103 ng
RT: 13.095 min Scan# 11
Delta R.T. -0.011 min
Lab File: BN019748.D
Acq: 12 May 2022 13:43

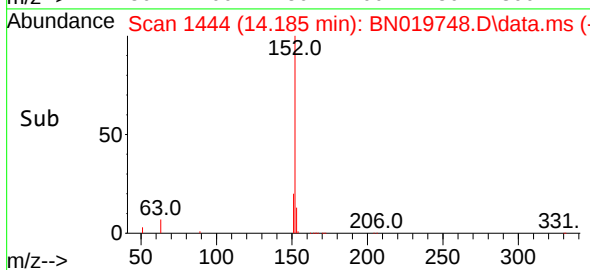
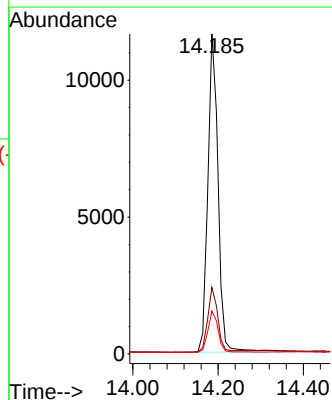
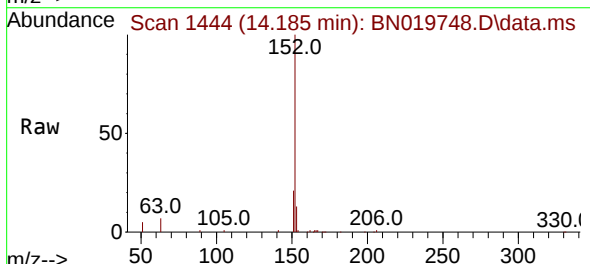
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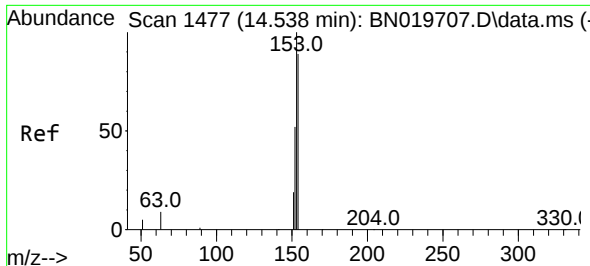
Tgt Ion:	172	Resp:	4238
Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.5	42.7
170	25.5	19.4	29.2



#16
Acenaphthylene
Concen: 0.420 ng
RT: 14.185 min Scan# 1444
Delta R.T. -0.011 min
Lab File: BN019748.D
Acq: 12 May 2022 13:43

Tgt Ion:	152	Resp:	19352
Ion	Ratio	Lower	Upper
152	100		
151	20.8	15.4	23.2
153	13.2	10.0	15.0

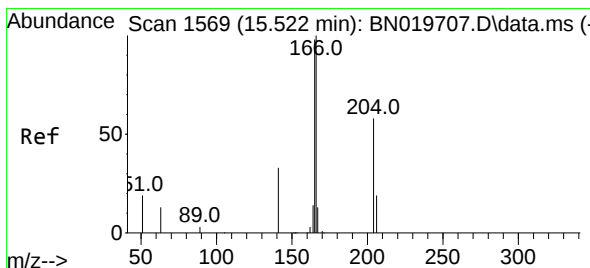
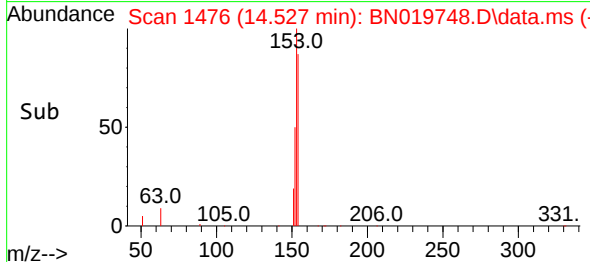
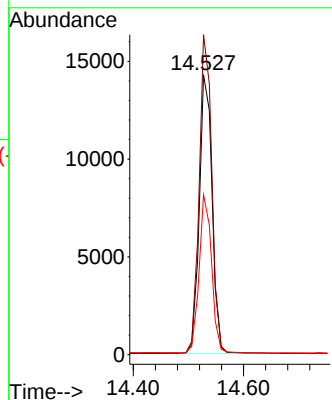
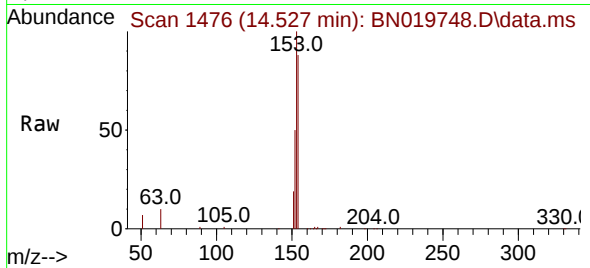




#17
Acenaphthene
Concen: 0.715 ng
RT: 14.527 min Scan# 1476
Delta R.T. -0.011 min
Lab File: BN019748.D
Acq: 12 May 2022 13:43

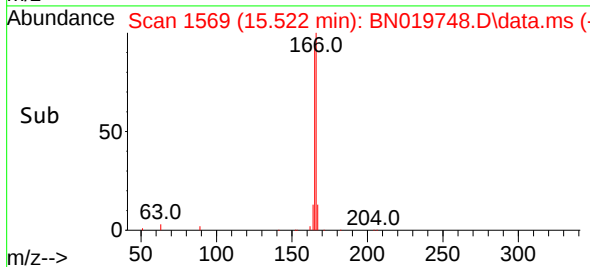
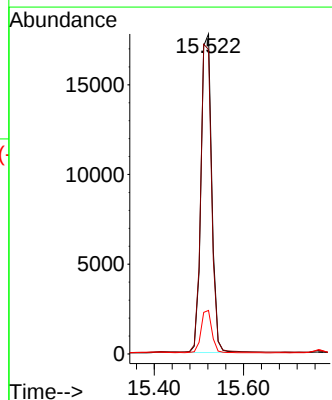
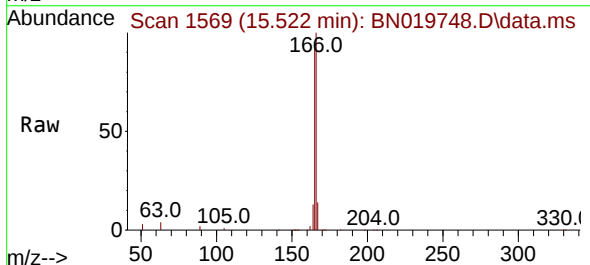
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILD

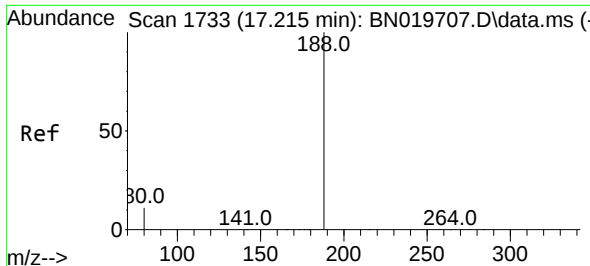
Tgt Ion:154 Resp: 22980
Ion Ratio Lower Upper
154 100
153 113.2 87.1 130.7
152 55.8 45.5 68.3



#18
Fluorene
Concen: 0.729 ng
RT: 15.522 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BN019748.D
Acq: 12 May 2022 13:43

Tgt Ion:166 Resp: 29721
Ion Ratio Lower Upper
166 100
165 97.6 78.0 117.0
167 13.5 10.8 16.2

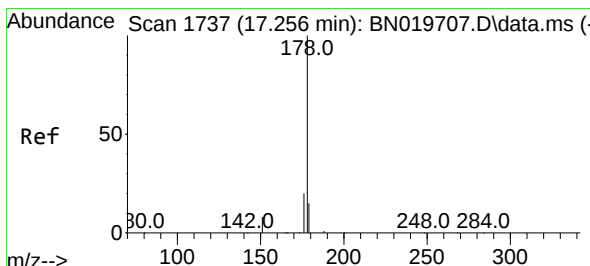
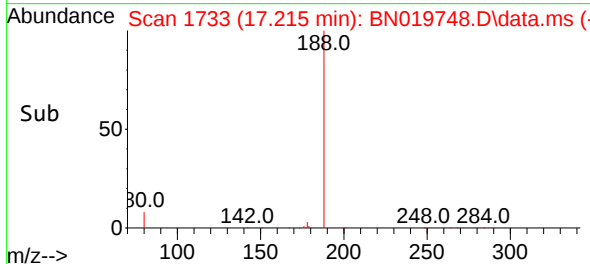
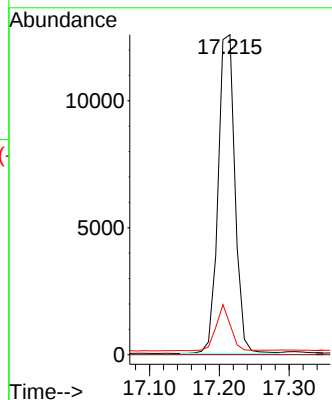
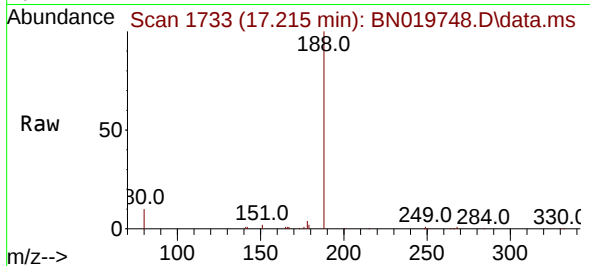




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.215 min Scan# 1733
Delta R.T. 0.000 min
Lab File: BN019748.D
Acq: 12 May 2022 13:43

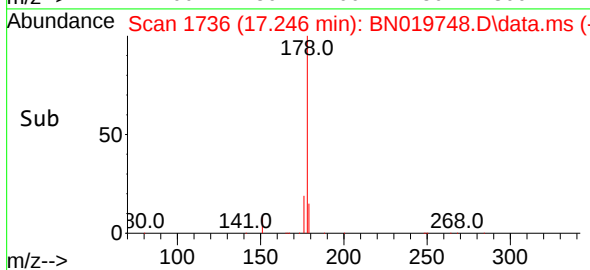
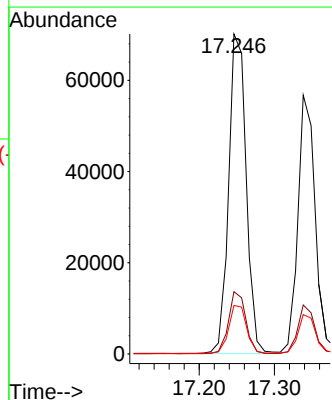
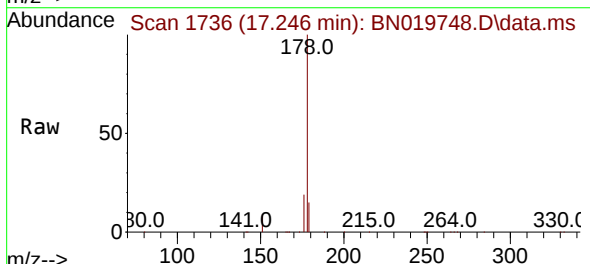
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILD

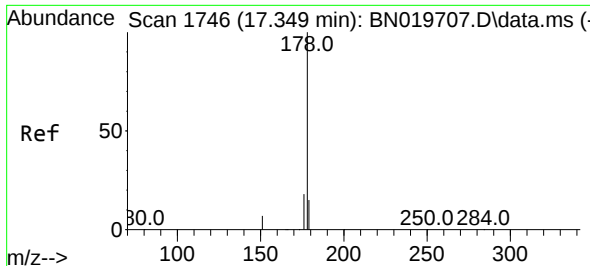
Tgt Ion:188 Resp: 21113
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.5 9.6 14.4#



#25
Phenanthrene
Concen: 1.520 ng
RT: 17.246 min Scan# 1736
Delta R.T. -0.010 min
Lab File: BN019748.D
Acq: 12 May 2022 13:43

Tgt Ion:178 Resp: 113702
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 15.3 12.2 18.2

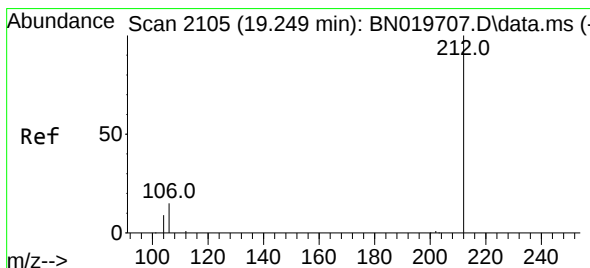
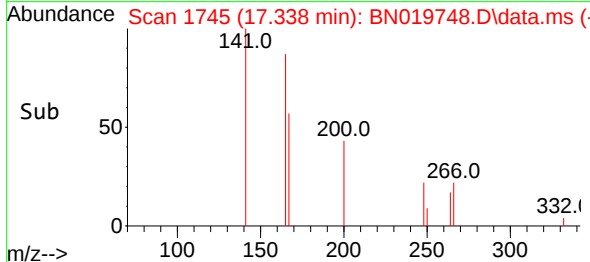
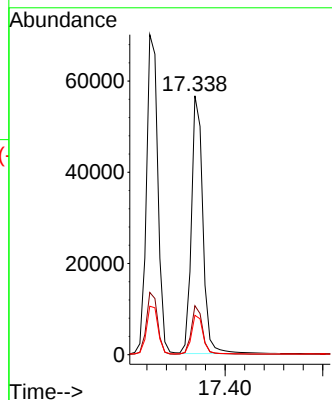
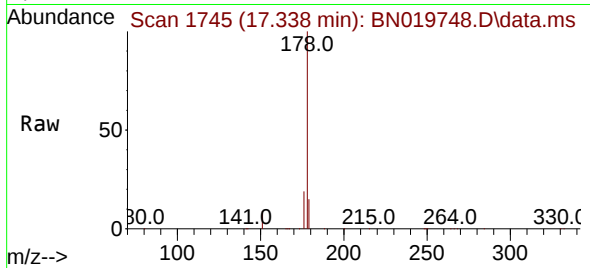




#26
 Anthracene
 Concen: 1.478 ng
 RT: 17.338 min Scan# 11
 Delta R.T. -0.010 min
 Lab File: BN019748.D
 Acq: 12 May 2022 13:43

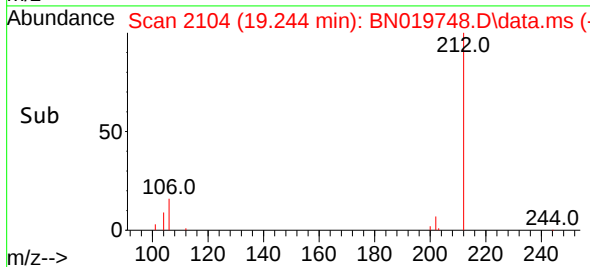
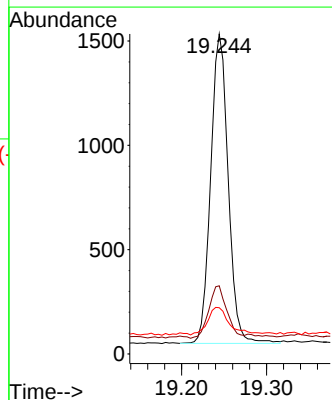
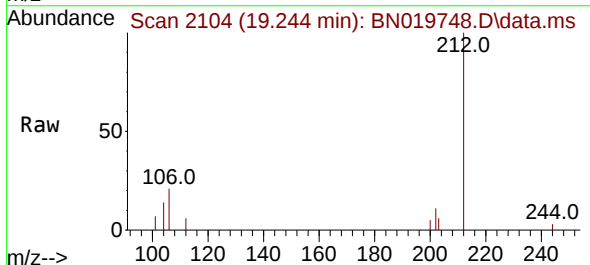
Instrument :
 BNA_N
 ClientSampleId :
 PT-PAH-SOILD

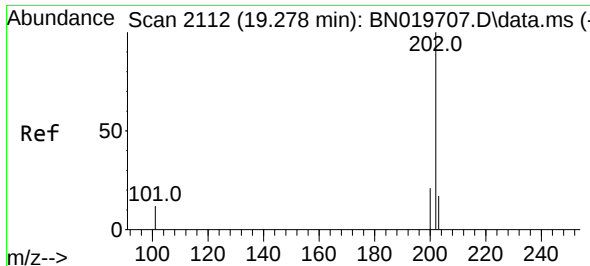
Tgt Ion:178 Resp: 91388
 Ion Ratio Lower Upper
 178 100
 176 18.5 14.8 22.2
 179 15.2 12.0 18.0



#27
 Fluoranthene-d10
 Concen: 0.035 ng
 RT: 19.244 min Scan# 2104
 Delta R.T. -0.004 min
 Lab File: BN019748.D
 Acq: 12 May 2022 13:43

Tgt Ion:212 Resp: 2122
 Ion Ratio Lower Upper
 212 100
 106 17.5 13.0 19.4
 104 11.1 7.3 10.9#

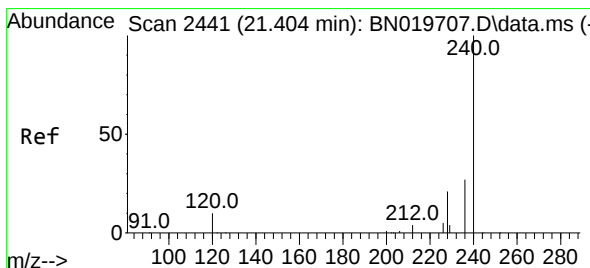
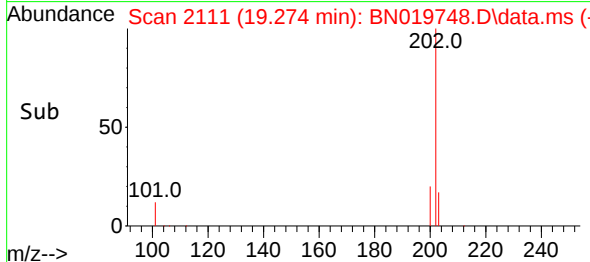
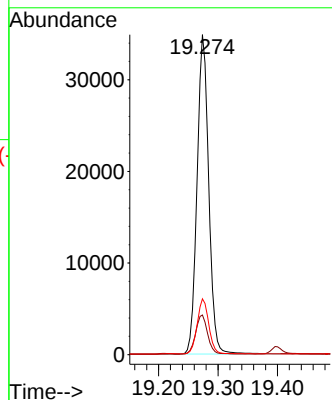
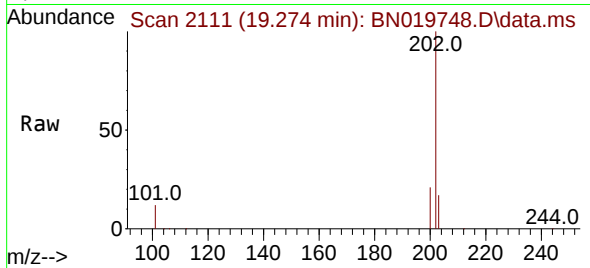




#28
Fluoranthene
Concen: 0.595 ng
RT: 19.274 min Scan# 2111
Delta R.T. -0.004 min
Lab File: BN019748.D
Acq: 12 May 2022 13:43

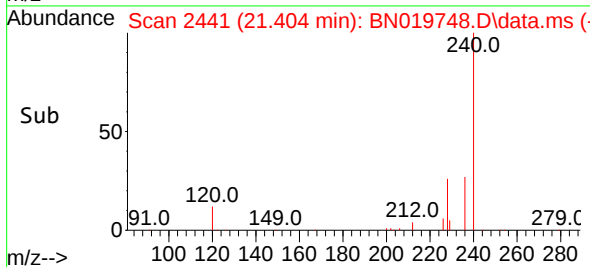
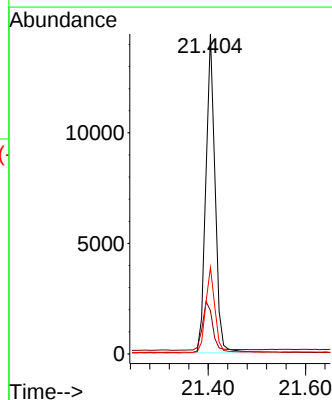
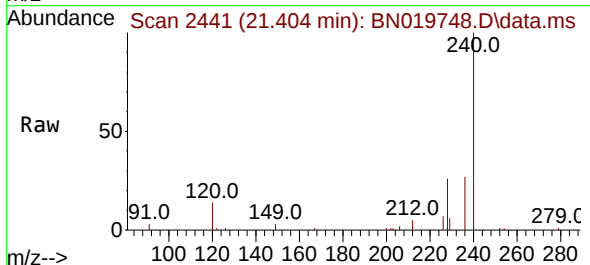
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILD

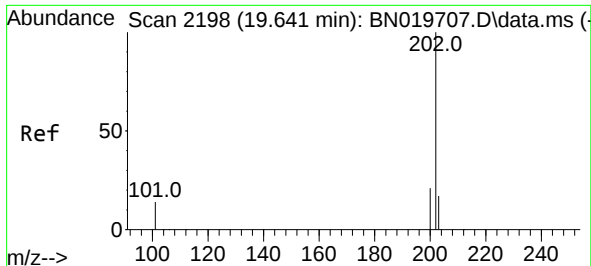
Tgt Ion:202 Resp: 47505
Ion Ratio Lower Upper
202 100
101 12.5 10.2 15.2
203 17.1 13.6 20.4



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.404 min Scan# 2441
Delta R.T. 0.000 min
Lab File: BN019748.D
Acq: 12 May 2022 13:43

Tgt Ion:240 Resp: 19114
Ion Ratio Lower Upper
240 100
120 13.5 9.0 13.6
236 27.1 22.0 33.0

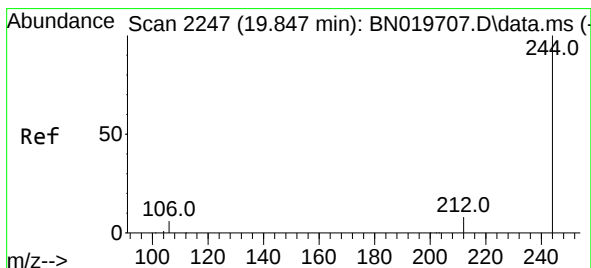
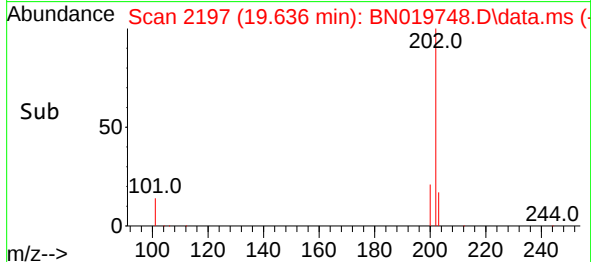
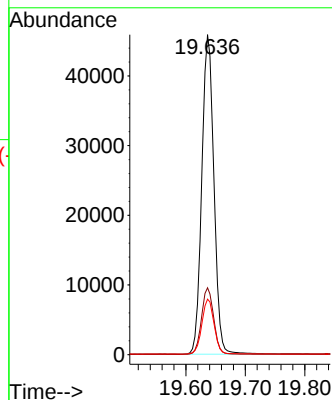
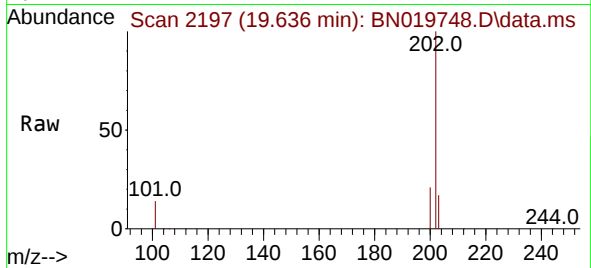




#30
 Pyrene
 Concen: 0.799 ng
 RT: 19.636 min Scan# 2198
 Delta R.T. -0.004 min
 Lab File: BN019748.D
 Acq: 12 May 2022 13:43

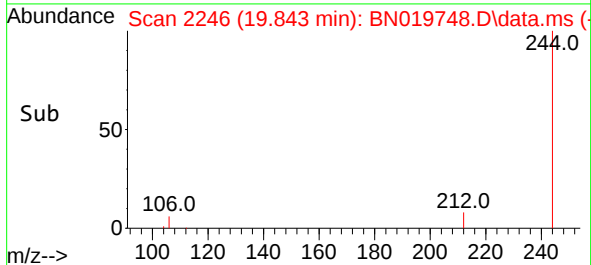
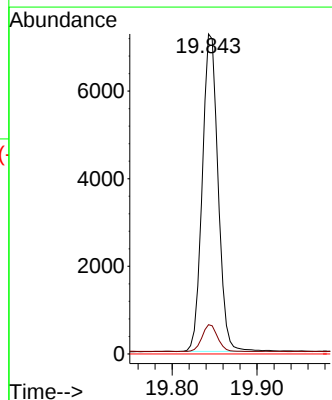
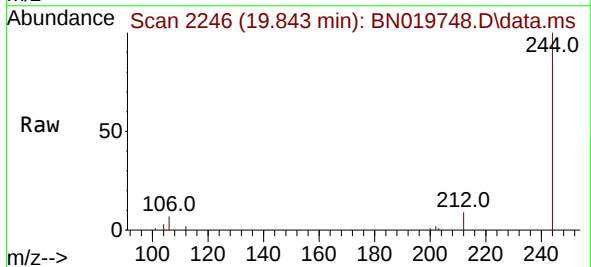
Instrument :
 BNA_N
 ClientSampleId :
 PT-PAH-SOILD

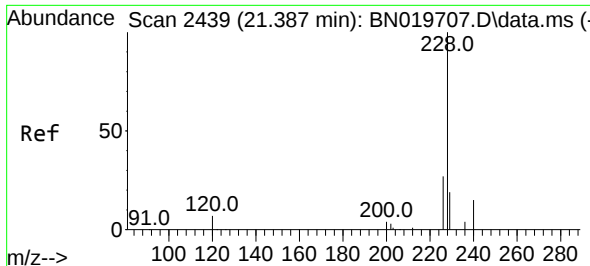
Tgt Ion:202 Resp: 64947
 Ion Ratio Lower Upper
 202 100
 200 20.9 16.7 25.1
 203 17.3 14.2 21.2



#31
 Terphenyl-d14
 Concen: 0.211 ng
 RT: 19.843 min Scan# 2246
 Delta R.T. -0.004 min
 Lab File: BN019748.D
 Acq: 12 May 2022 13:43

Tgt Ion:244 Resp: 9366
 Ion Ratio Lower Upper
 244 100
 212 9.2 7.0 10.6
 122 0.0 0.0 0.0

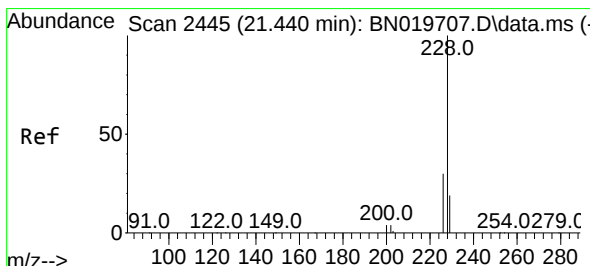
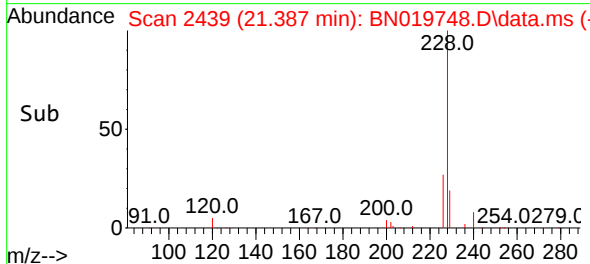
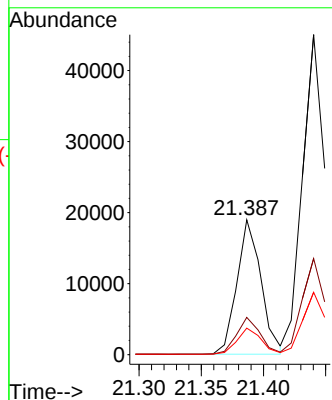
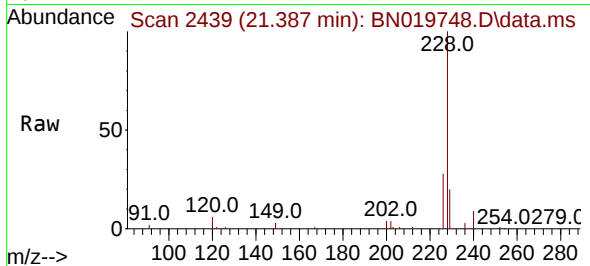




#32
Benzo(a)anthracene
Concen: 0.368 ng
RT: 21.387 min Scan# 2439
Delta R.T. 0.000 min
Lab File: BN019748.D
Acq: 12 May 2022 13:43

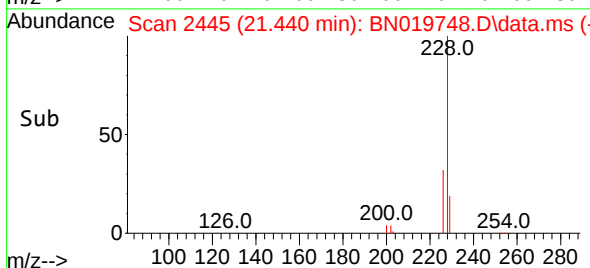
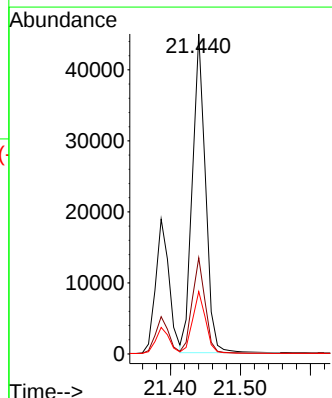
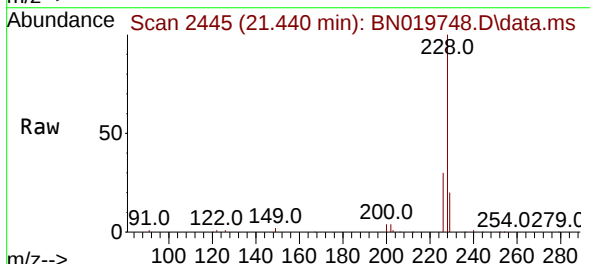
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILD

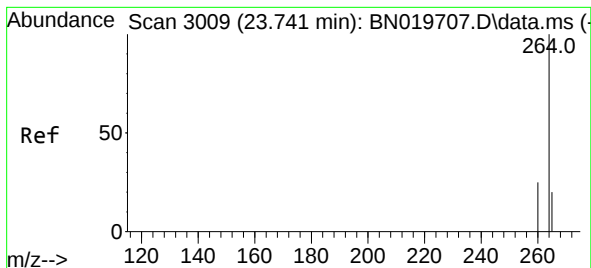
Tgt Ion:228 Resp: 25481
Ion Ratio Lower Upper
228 100
226 27.6 21.8 32.8
229 19.7 15.7 23.5



#33
Chrysene
Concen: 0.723 ng
RT: 21.440 min Scan# 2445
Delta R.T. 0.000 min
Lab File: BN019748.D
Acq: 12 May 2022 13:43

Tgt Ion:228 Resp: 58366
Ion Ratio Lower Upper
228 100
226 30.1 24.0 36.0
229 19.5 15.8 23.6





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.747 min Scan# 3009

Delta R.T. 0.006 min

Lab File: BN019748.D

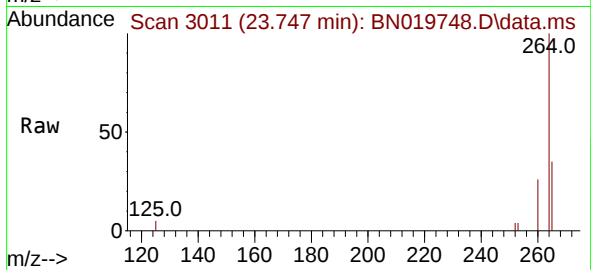
Acq: 12 May 2022 13:43

Instrument :

BNA_N

ClientSampleId :

PT-PAH-SOILDL



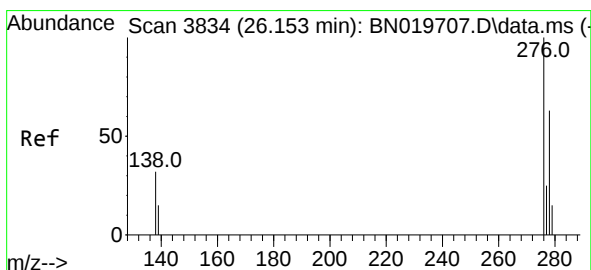
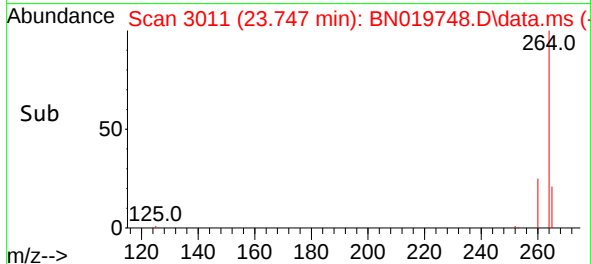
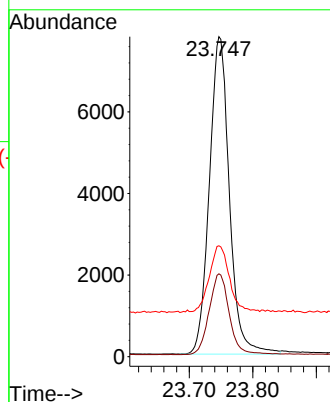
Tgt Ion:264 Resp: 17025

Ion Ratio Lower Upper

264 100

260 25.9 20.8 31.2

265 34.6 35.6 53.4#



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.430 ng

RT: 26.150 min Scan# 3833

Delta R.T. -0.003 min

Lab File: BN019748.D

Acq: 12 May 2022 13:43

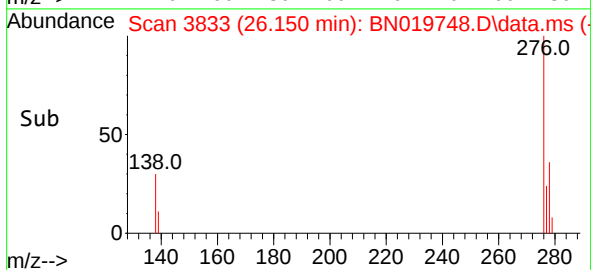
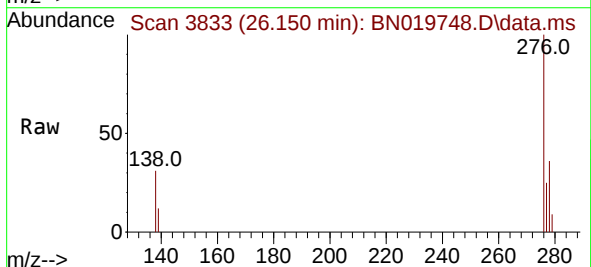
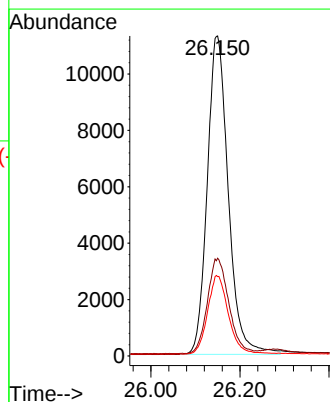
Tgt Ion:276 Resp: 37045

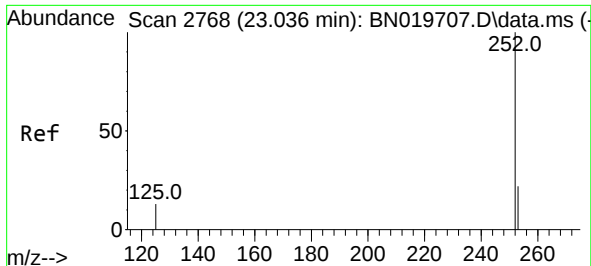
Ion Ratio Lower Upper

276 100

138 30.4 27.1 40.7

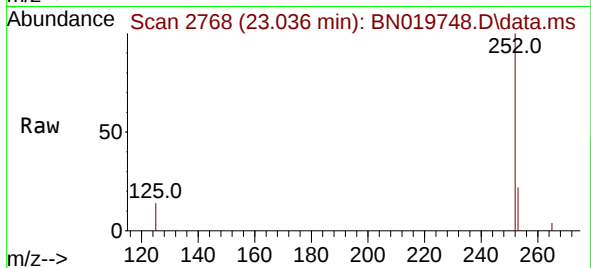
277 24.6 20.0 30.0



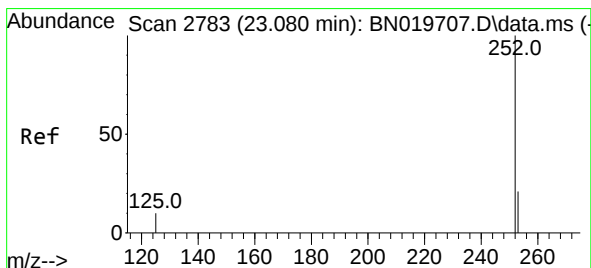
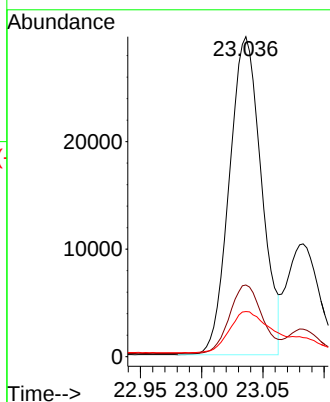


#37
Benzo(b)fluoranthene
Concen: 0.704 ng
RT: 23.036 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN019748.D
Acq: 12 May 2022 13:43

Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILDL

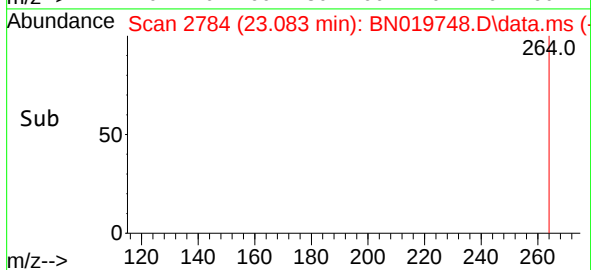
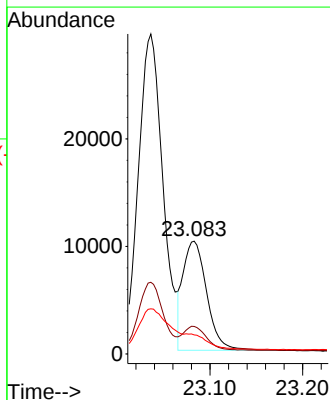
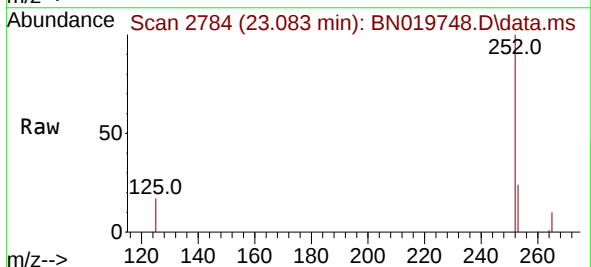


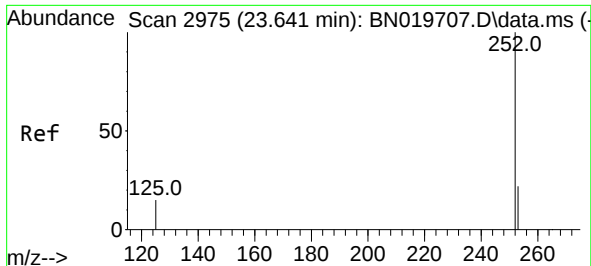
Tgt Ion:252 Resp: 53811
Ion Ratio Lower Upper
252 100
253 22.4 19.0 28.4
125 14.1 12.3 18.5



#38
Benzo(k)fluoranthene
Concen: 0.226 ng
RT: 23.083 min Scan# 2784
Delta R.T. 0.003 min
Lab File: BN019748.D
Acq: 12 May 2022 13:43

Tgt Ion:252 Resp: 17963
Ion Ratio Lower Upper
252 100
253 24.4 18.6 27.8
125 16.9 12.3 18.5





#39

Benzo(a)pyrene

Concen: 0.223 ng

RT: 23.641 min Scan# 2975

Delta R.T. 0.000 min

Lab File: BN019748.D

Acq: 12 May 2022 13:43

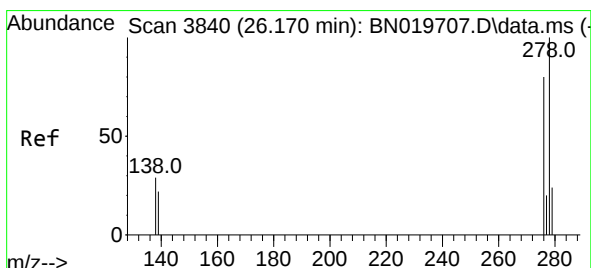
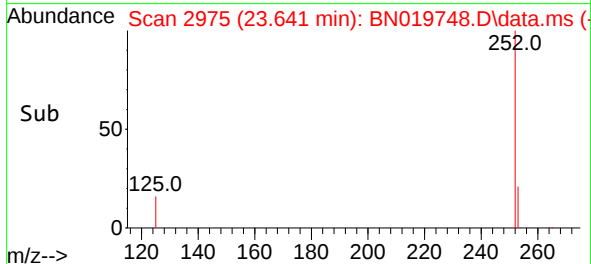
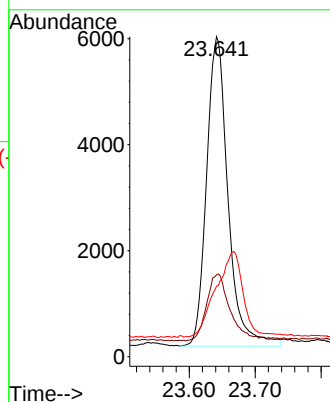
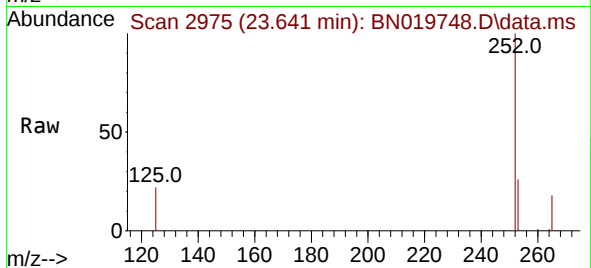
Instrument :

BNA_N

ClientSampleId :

PT-PAH-SOILDL

Tgt Ion:252	Resp:	13205
Ion Ratio	Lower	Upper
252	100	
253	25.6	20.0 30.0
125	22.0	15.5 23.3



#40

Dibenzo(a,h)anthracene

Concen: 0.267 ng

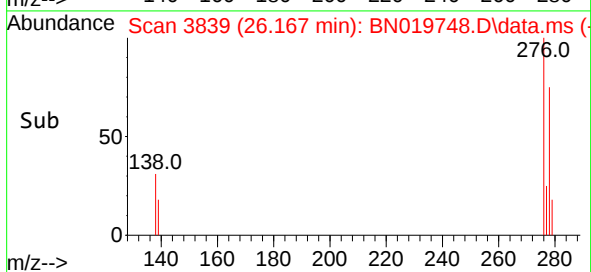
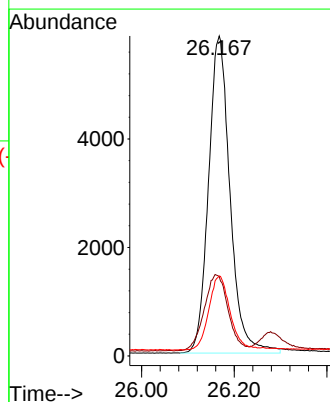
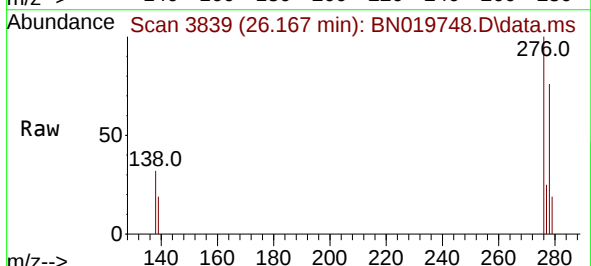
RT: 26.167 min Scan# 3839

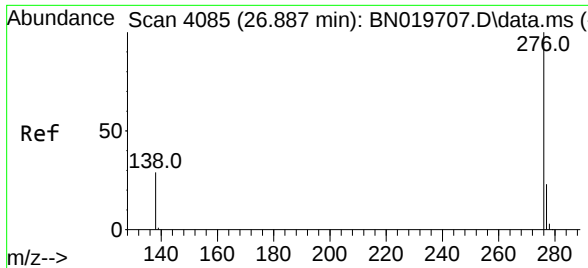
Delta R.T. -0.003 min

Lab File: BN019748.D

Acq: 12 May 2022 13:43

Tgt Ion:278	Resp:	18820
Ion Ratio	Lower	Upper
278	100	
139	24.8	18.5 27.7
279	25.0	20.2 30.4





#41
 Benzo(g,h,i)perylene
 Concen: 0.138 ng
 RT: 26.887 min Scan# 4085
 Delta R.T. 0.000 min
 Lab File: BN019748.D
 Acq: 12 May 2022 13:43

Instrument :
 BNA_N
 ClientSampleId :
 PT-PAH-SOILD

Tgt Ion:	276	Resp:	10129
Ion	Ratio	Lower	Upper
276	100		
277	25.6	19.4	29.0
138	30.0	24.1	36.1

