

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051322\
 Data File : BN019768.D
 Acq On : 13 May 2022 13:06
 Operator : CG/JU
 Sample : N2656-12DL2 100X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOILDL2

Quant Time: May 13 23:59:16 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN051322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 13 02:41:37 2022
 Response via : Initial Calibration

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

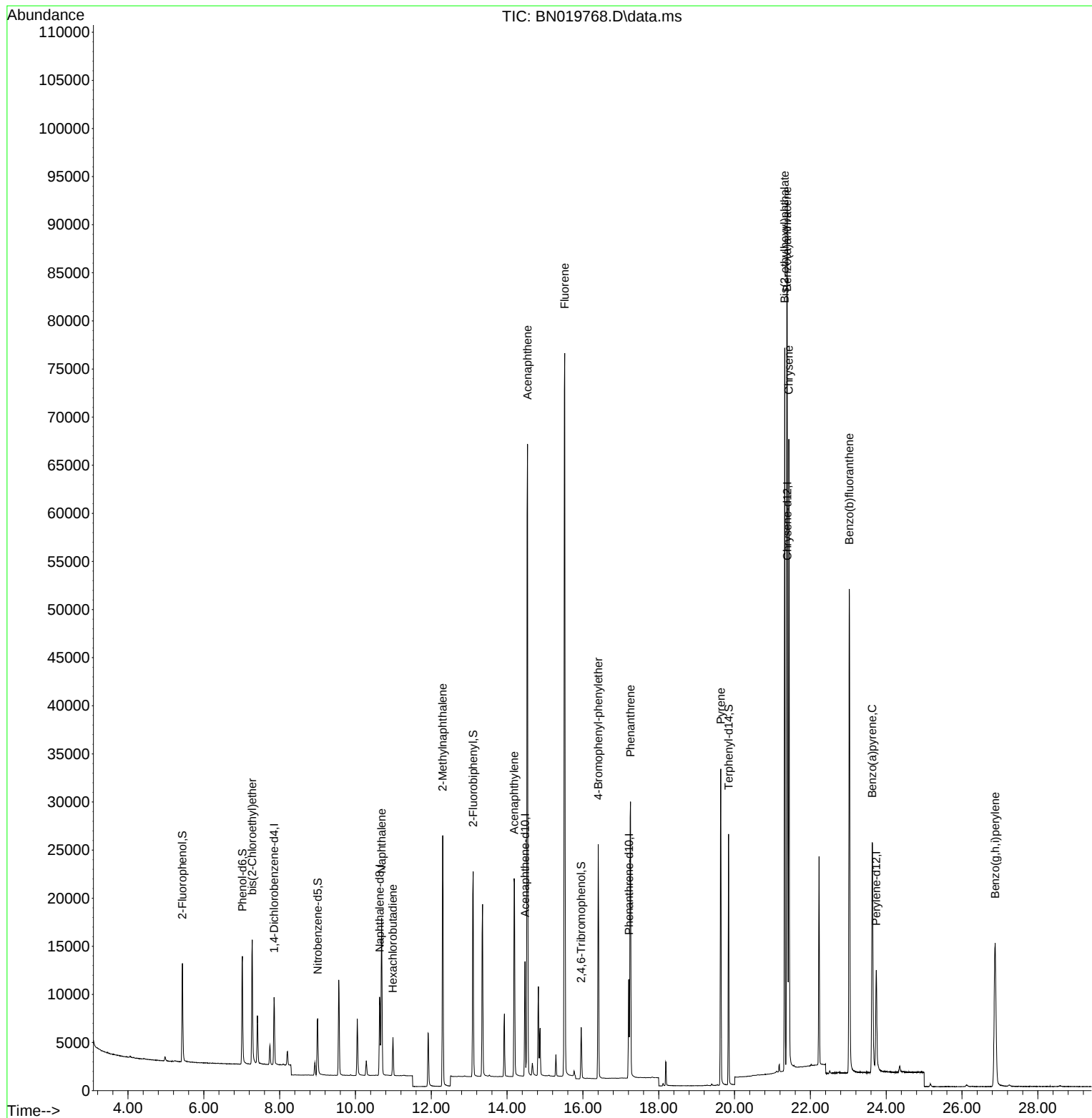
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.854	152	3660	0.400	ng	0.00
7) Naphthalene-d8	10.637	136	11445	0.400	ng	#-0.01
13) Acenaphthene-d10	14.474	164	7030	0.400	ng	0.00
19) Phenanthrene-d10	17.215	188	15640	0.400	ng	0.00
29) Chrysene-d12	21.395	240	16956	0.400	ng	0.00
35) Perylene-d12	23.738	264	15512	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.435	112	8828	0.964	ng	0.00
5) Phenol-d6	7.016	99	11062	0.964	ng	0.00
8) Nitrobenzene-d5	9.003	82	5442	0.630	ng	0.00
11) 2-Methylnaphthalene-d10	12.299	152	6	0.000	ng	0.06
14) 2,4,6-Tribromophenol	15.954	330	2873	1.034	ng	-0.01
15) 2-Fluorobiphenyl	13.105	172	19799	0.645	ng	0.00
27) Fluoranthene-d10	19.248	212	12	0.000	ng	0.00
31) Terphenyl-d14	19.843	244	29336	0.734	ng	0.00
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.276	93	10387	0.930	ng	98
9) Naphthalene	10.690	128	21731	0.625	ng	100
10) Hexachlorobutadiene	10.989	225	3168	0.501	ng	# 100
12) 2-Methylnaphthalene	12.302	142	19207	0.811	ng	99
16) Acenaphthylene	14.185	152	26051	0.790	ng	99
17) Acenaphthene	14.538	154	35050	1.437	ng	96
18) Fluorene	15.521	166	33164	1.076	ng	100
21) 4-Bromophenyl-phenylether	16.405	248	11752	1.230	ng	97
25) Phenanthrene	17.256	178	33389	0.617	ng	100
30) Pyrene	19.636	202	31547	0.439	ng	99
32) Benzo(a)anthracene	21.386	228	79589	1.288	ng	100
33) Chrysene	21.431	228	55511	0.801	ng	98
34) Bis(2-ethylhexyl)phtha...	21.324	149	65545	2.547	ng	100
37) Benzo(b)fluoranthene	23.027	252	68771	1.016	ng	98
39) Benzo(a)pyrene	23.632	252	39087	0.734	ng	97
41) Benzo(g,h,i)perylene	26.875	276	34025	0.565	ng	99

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

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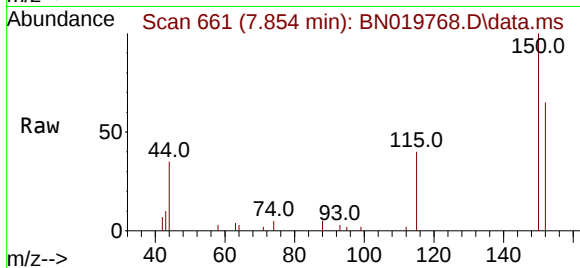
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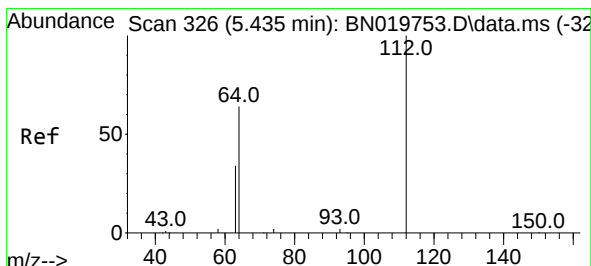
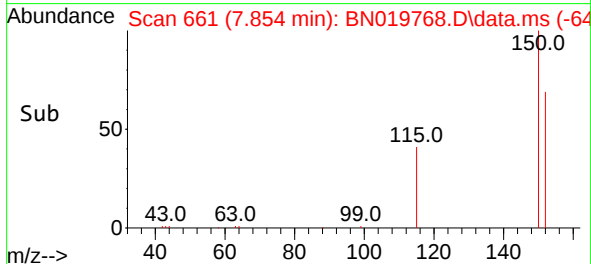
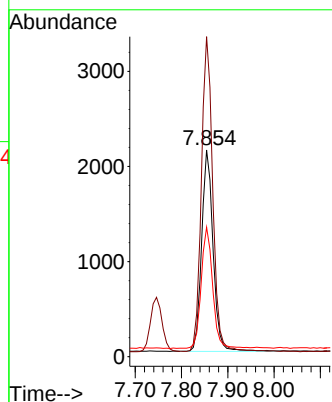


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.854 min Scan# 661
Delta R.T. -0.008 min
Lab File: BN019768.D
Acq: 13 May 2022 13:06

Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILDL2

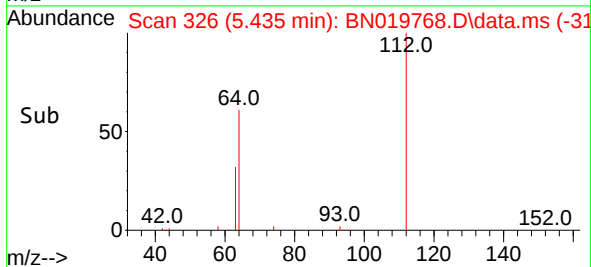
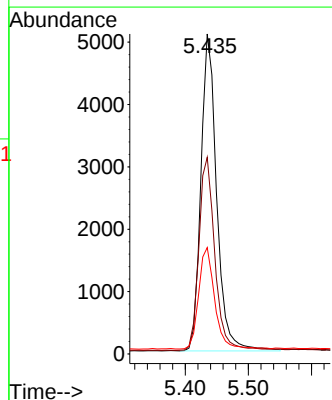
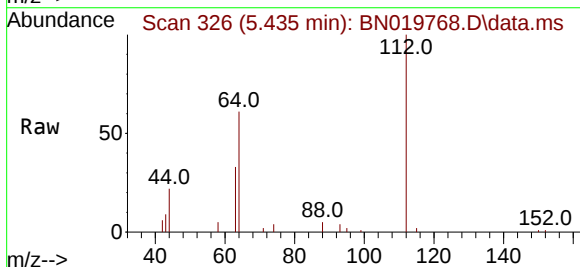


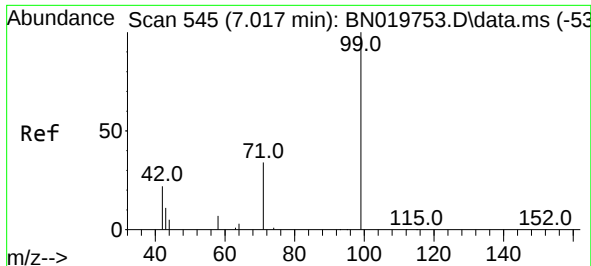
Tgt Ion:152 Resp: 3660
Ion Ratio Lower Upper
152 100
150 154.9 127.9 191.9
115 62.7 51.4 77.2



#4
2-Fluorophenol
Concen: 0.964 ng
RT: 5.435 min Scan# 326
Delta R.T. -0.007 min
Lab File: BN019768.D
Acq: 13 May 2022 13:06

Tgt Ion:112 Resp: 8828
Ion Ratio Lower Upper
112 100
64 62.0 49.1 73.7
63 32.6 26.3 39.5

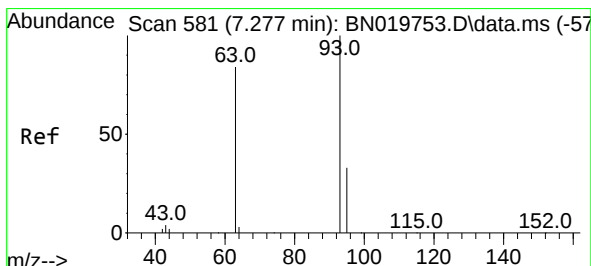
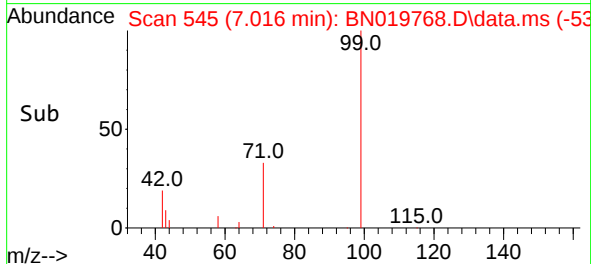
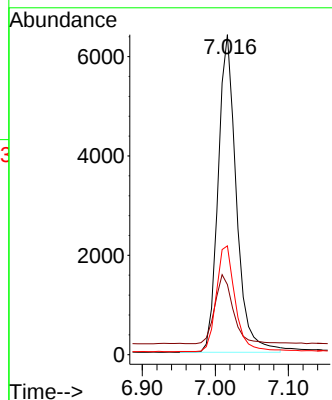
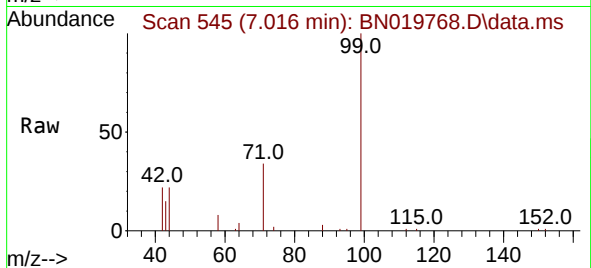




#5
Phenol-d6
Concen: 0.964 ng
RT: 7.016 min Scan# 545
Delta R.T. -0.007 min
Lab File: BN019768.D
Acq: 13 May 2022 13:06

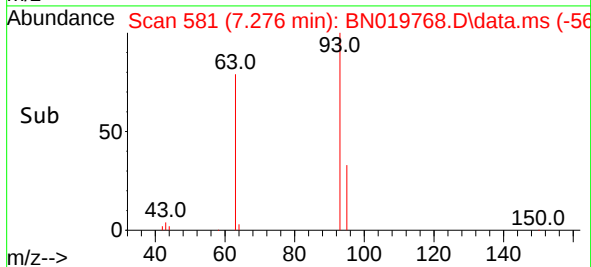
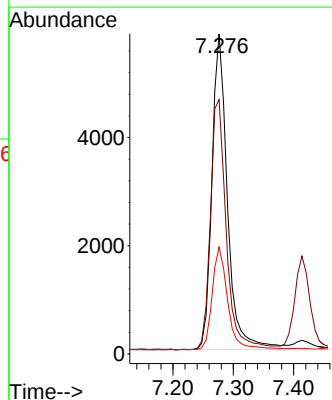
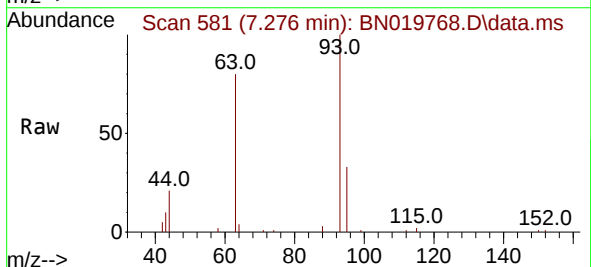
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BNA_N
ClientSampleId :
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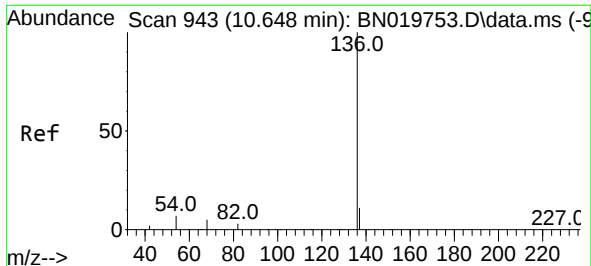
Tgt Ion: 99 Resp: 11062
Ion Ratio Lower Upper
99 100
42 21.7 19.3 28.9
71 34.6 27.5 41.3



#6
bis(2-Chloroethyl)ether
Concen: 0.930 ng
RT: 7.276 min Scan# 581
Delta R.T. -0.007 min
Lab File: BN019768.D
Acq: 13 May 2022 13:06

Tgt Ion: 93 Resp: 10387
Ion Ratio Lower Upper
93 100
63 81.7 67.4 101.0
95 32.6 26.5 39.7

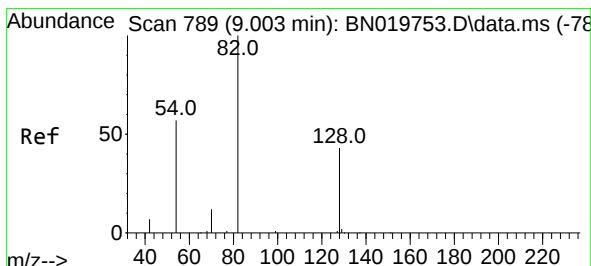
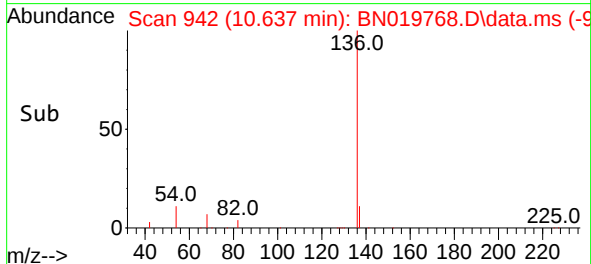
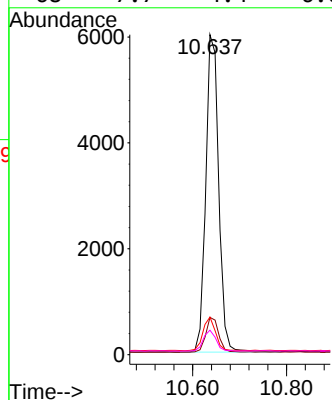
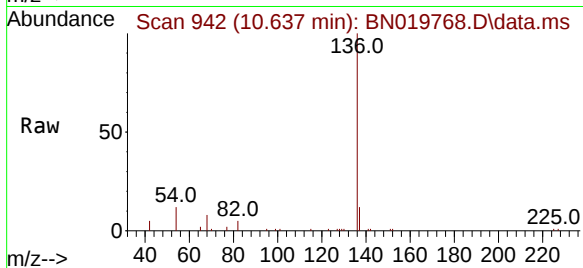




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 943
Delta R.T. -0.011 min
Lab File: BN019768.D
Acq: 13 May 2022 13:06

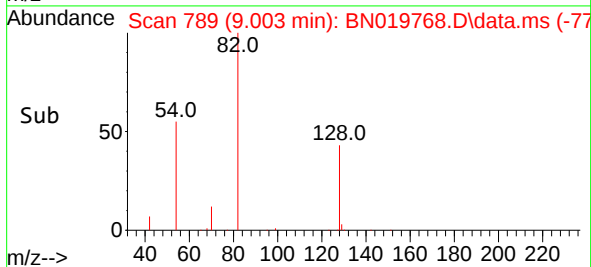
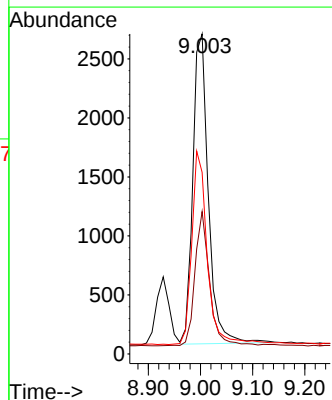
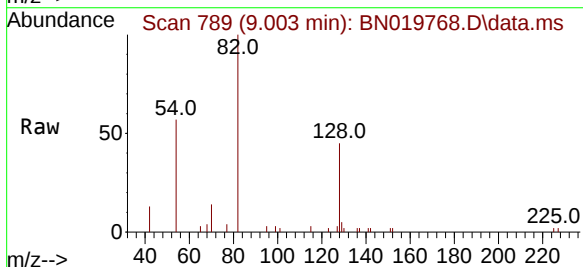
Instrument :
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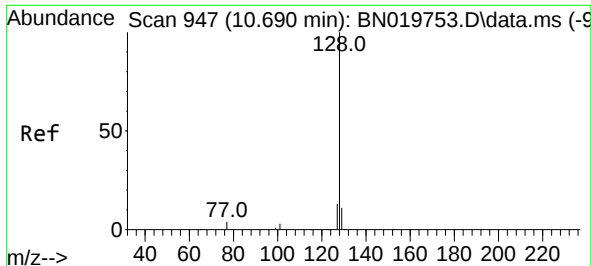
Tgt Ion:	136	Resp:	11445
Ion Ratio	Lower	Upper	
136	100		
137	11.6	9.0	13.6
54	11.8	6.2	9.2#
68	7.7	4.4	6.6#



#8
Nitrobenzene-d5
Concen: 0.630 ng
RT: 9.003 min Scan# 789
Delta R.T. -0.000 min
Lab File: BN019768.D
Acq: 13 May 2022 13:06

Tgt Ion:	82	Resp:	5442
Ion Ratio	Lower	Upper	
82	100		
128	44.5	35.0	52.6
54	56.7	46.2	69.4

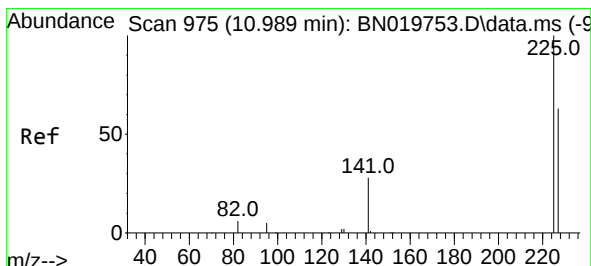
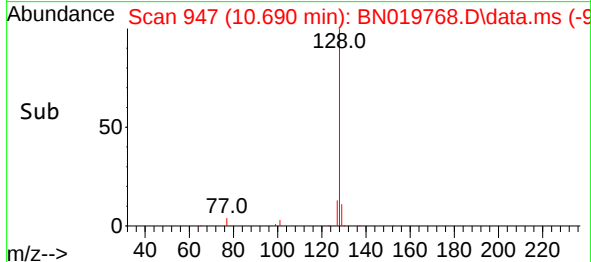
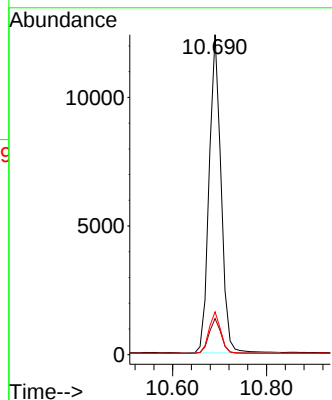
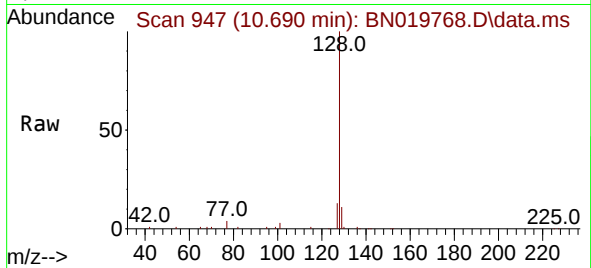




#9
Naphthalene
Concen: 0.625 ng
RT: 10.690 min Scan# 947
Delta R.T. -0.011 min
Lab File: BN019768.D
Acq: 13 May 2022 13:06

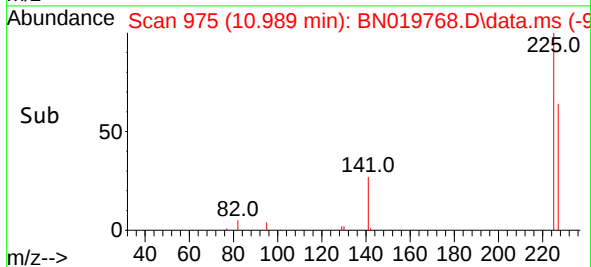
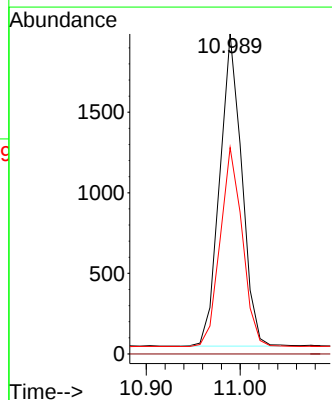
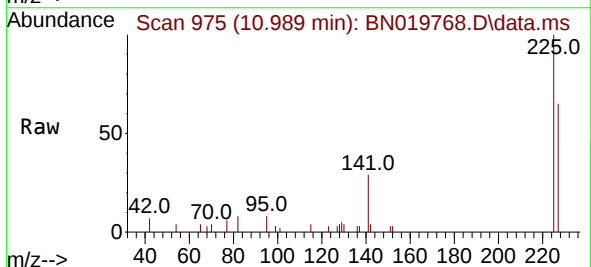
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ClientSampleId :
PT-BNA-SOILDL2

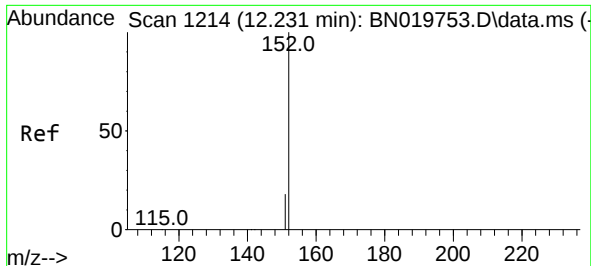
Tgt Ion:128 Resp: 21731
Ion Ratio Lower Upper
128 100
129 11.3 8.9 13.3
127 13.4 10.8 16.2



#10
Hexachlorobutadiene
Concen: 0.501 ng
RT: 10.989 min Scan# 975
Delta R.T. -0.011 min
Lab File: BN019768.D
Acq: 13 May 2022 13:06

Tgt Ion:225 Resp: 3168
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.8 50.9 76.3

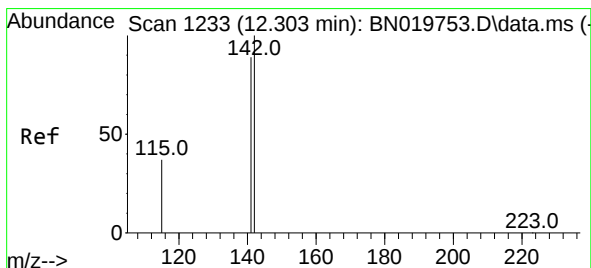
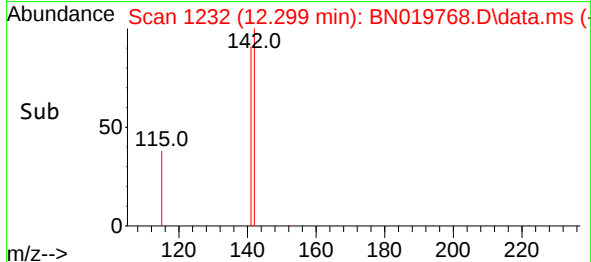
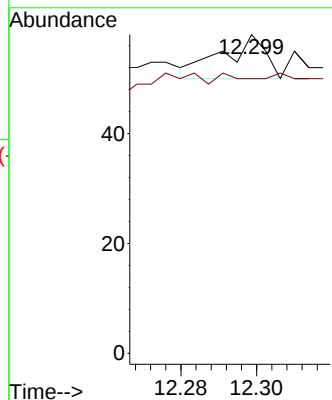
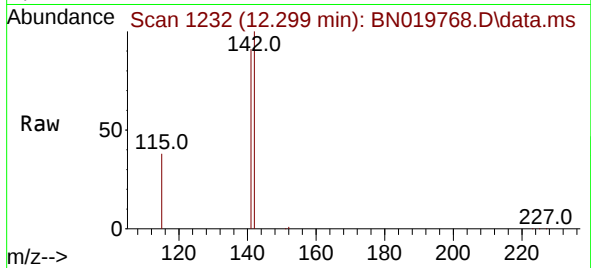




#11
2-Methylnaphthalene-d10
Concen: 0.000 ng
RT: 12.299 min Scan# 11
Delta R.T. 0.064 min
Lab File: BN019768.D
Acq: 13 May 2022 13:06

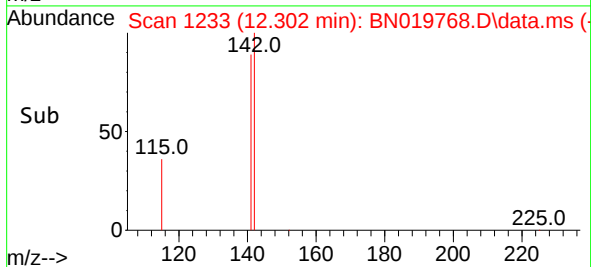
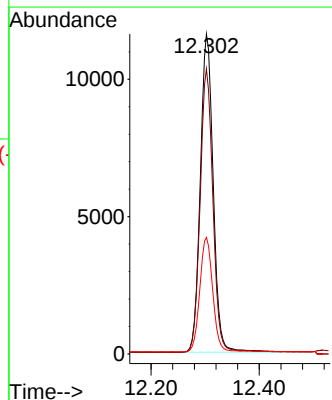
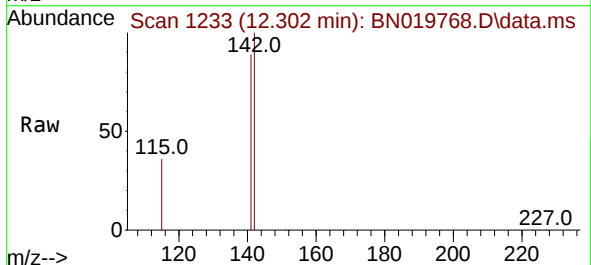
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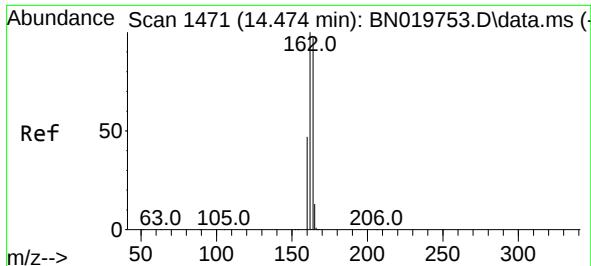
Tgt Ion:152 Resp: 6
Ion Ratio Lower Upper
152 100
151 16.7 16.2 24.4



#12
2-Methylnaphthalene
Concen: 0.811 ng
RT: 12.302 min Scan# 1233
Delta R.T. -0.008 min
Lab File: BN019768.D
Acq: 13 May 2022 13:06

Tgt Ion:142 Resp: 19207
Ion Ratio Lower Upper
142 100
141 89.1 71.6 107.4
115 36.5 29.8 44.8

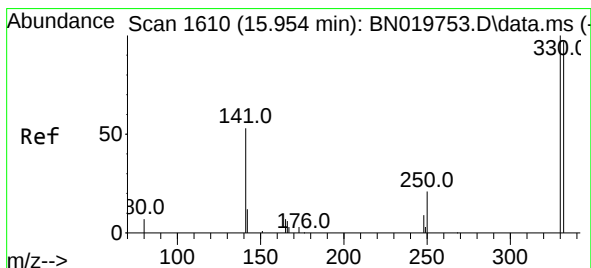
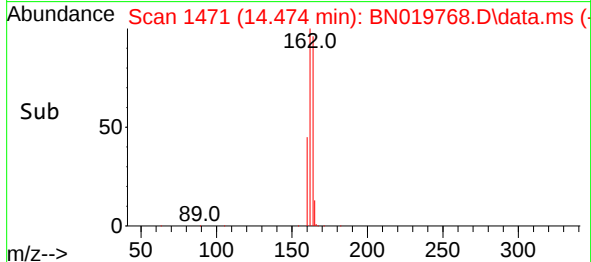
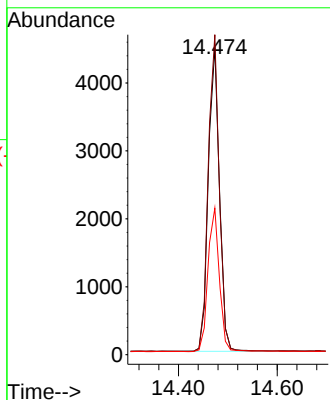
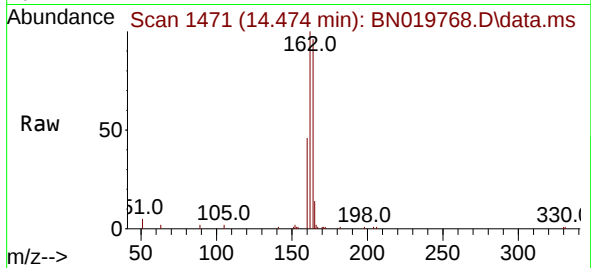




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.474 min Scan# 1471
Delta R.T. -0.000 min
Lab File: BN019768.D
Acq: 13 May 2022 13:06

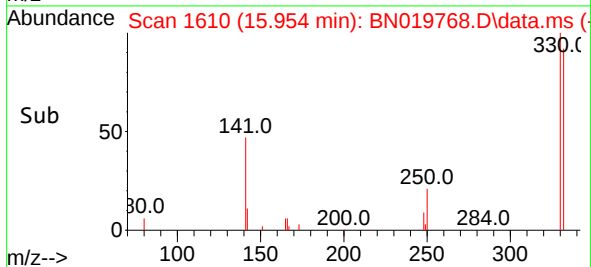
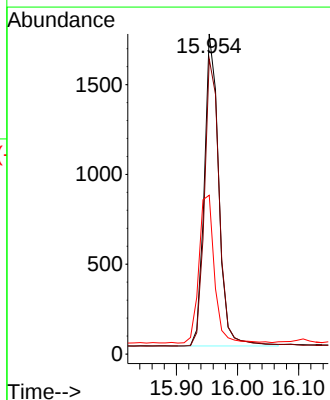
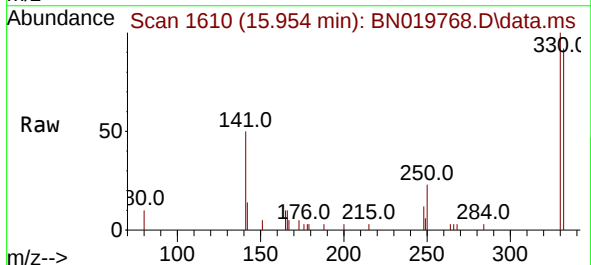
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ClientSampleId :
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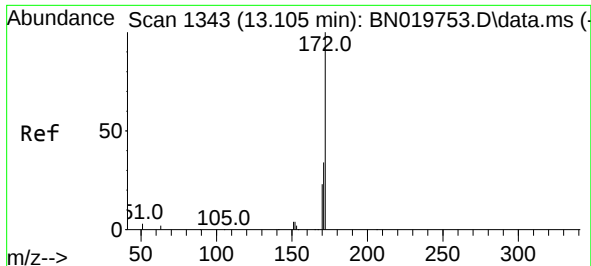
Tgt Ion:164 Resp: 7030
Ion Ratio Lower Upper
164 100
162 104.2 82.1 123.1
160 47.7 38.6 58.0



#14
2,4,6-Tribromophenol
Concen: 1.034 ng
RT: 15.954 min Scan# 1610
Delta R.T. -0.010 min
Lab File: BN019768.D
Acq: 13 May 2022 13:06

Tgt Ion:330 Resp: 2873
Ion Ratio Lower Upper
330 100
332 94.8 77.6 116.4
141 50.5 41.0 61.4

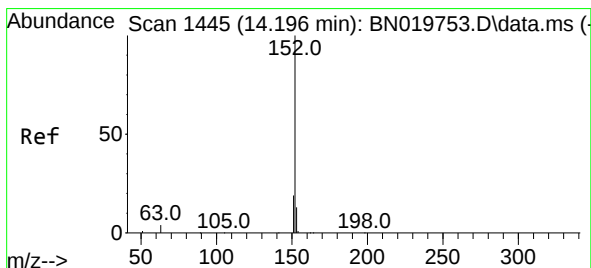
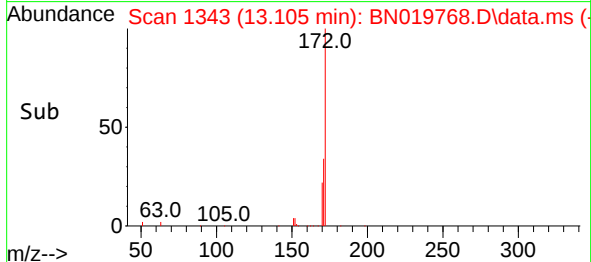
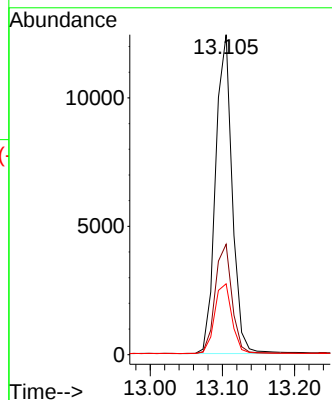
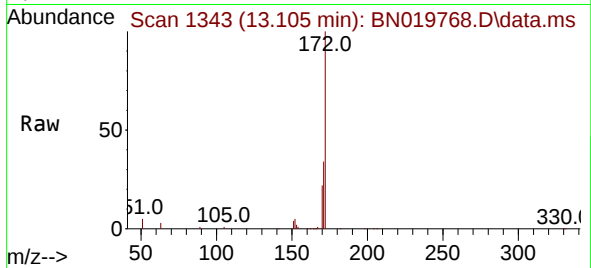




#15
2-Fluorobiphenyl
Concen: 0.645 ng
RT: 13.105 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN019768.D
Acq: 13 May 2022 13:06

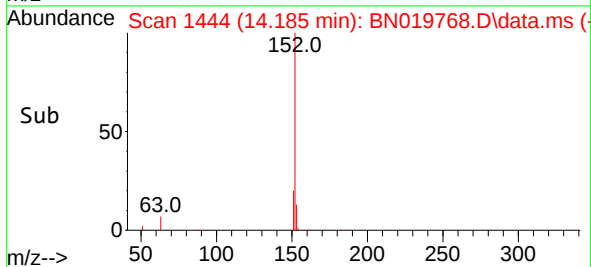
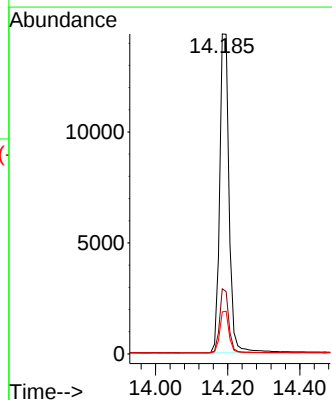
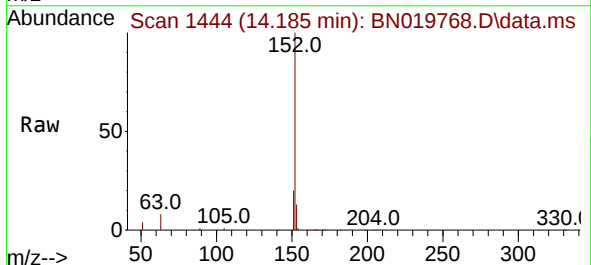
Instrument :
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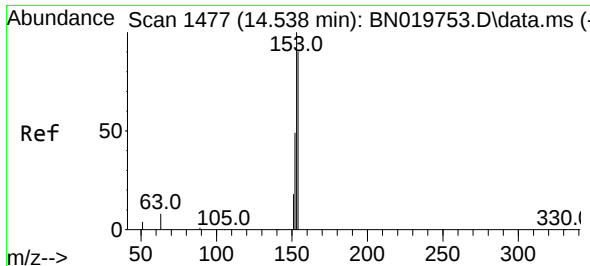
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Ion Ratio Lower Upper
172 100
171 34.5 27.2 40.8
170 22.2 18.2 27.4



#16
Acenaphthylene
Concen: 0.790 ng
RT: 14.185 min Scan# 1444
Delta R.T. -0.011 min
Lab File: BN019768.D
Acq: 13 May 2022 13:06

Tgt Ion:152 Resp: 26051
Ion Ratio Lower Upper
152 100
151 19.8 16.2 24.4
153 13.0 10.7 16.1

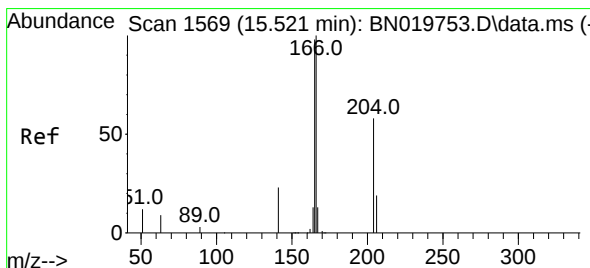
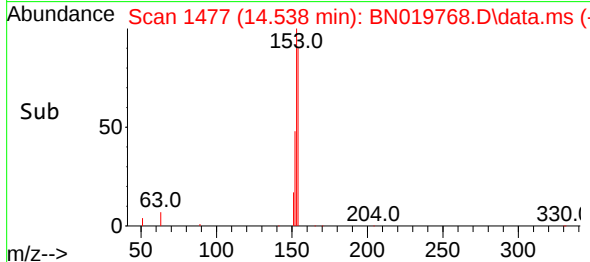
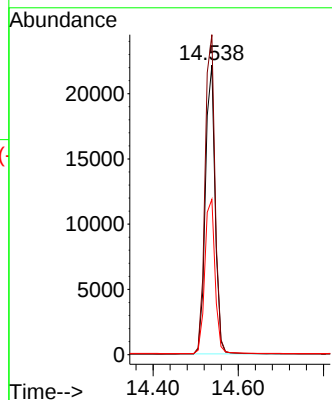
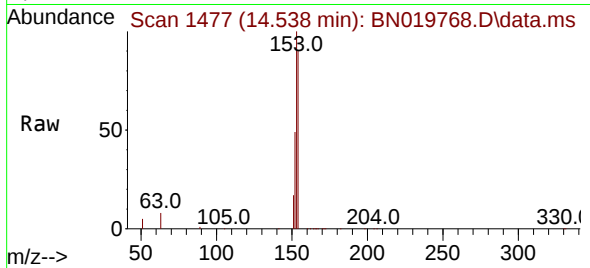




#17
Acenaphthene
Concen: 1.437 ng
RT: 14.538 min Scan# 1477
Delta R.T. -0.000 min
Lab File: BN019768.D
Acq: 13 May 2022 13:06

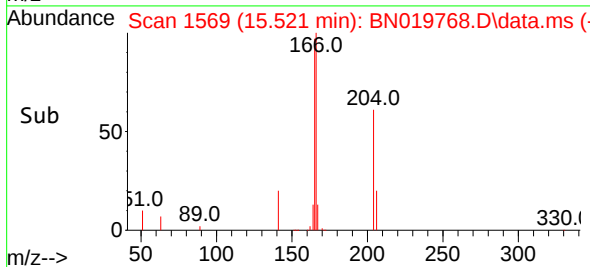
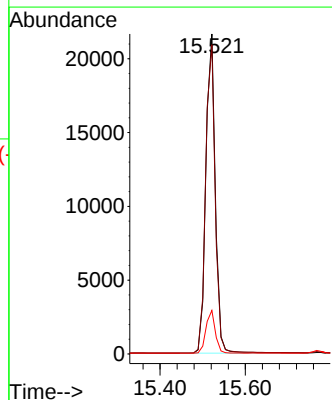
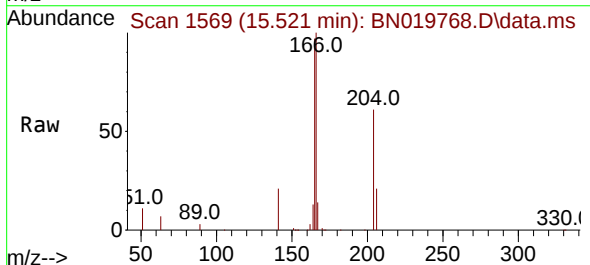
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILDL2

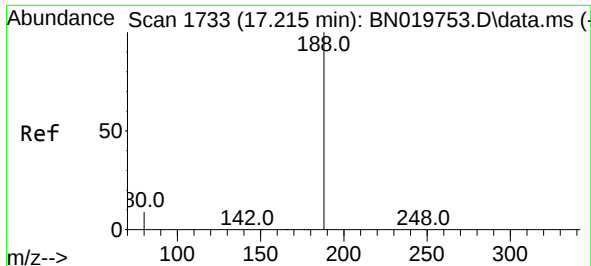
Tgt Ion:154 Resp: 35050
Ion Ratio Lower Upper
154 100
153 113.8 87.5 131.3
152 56.5 43.8 65.6



#18
Fluorene
Concen: 1.076 ng
RT: 15.521 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BN019768.D
Acq: 13 May 2022 13:06

Tgt Ion:166 Resp: 33164
Ion Ratio Lower Upper
166 100
165 98.2 78.6 118.0
167 13.3 10.8 16.2

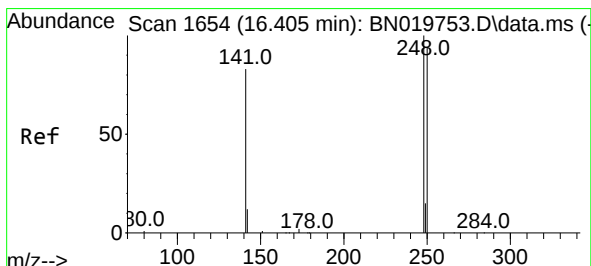
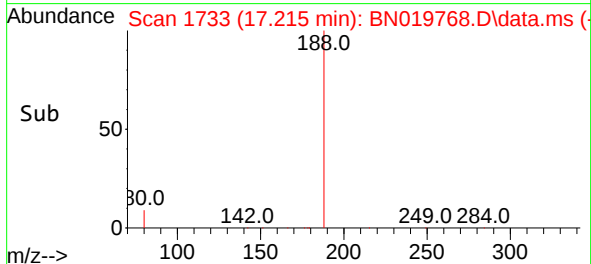
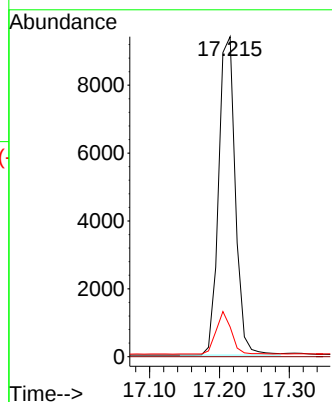
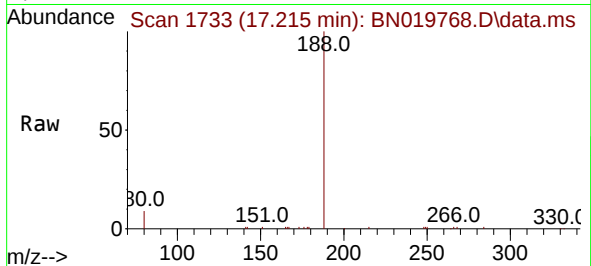




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.215 min Scan# 1733
Delta R.T. -0.000 min
Lab File: BN019768.D
Acq: 13 May 2022 13:06

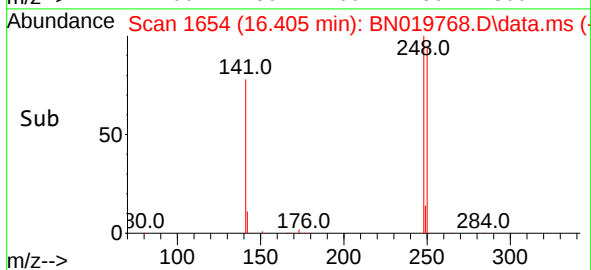
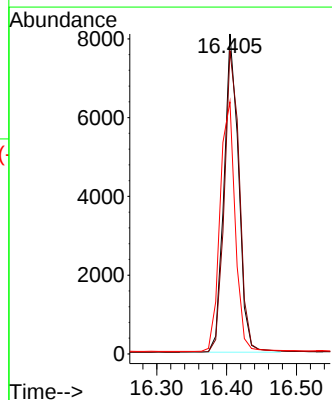
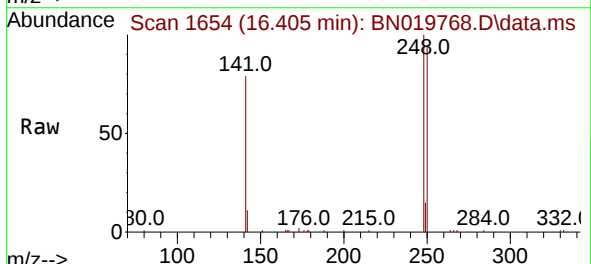
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILDL2

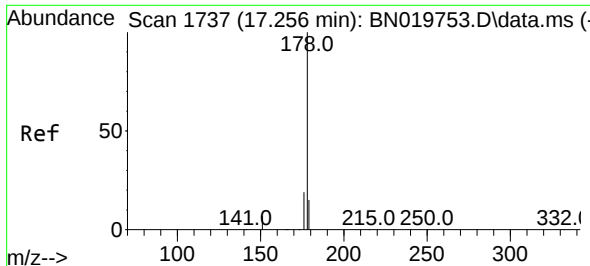
Tgt Ion:188 Resp: 15640
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.3 7.4 11.2



#21
4-Bromophenyl-phenylether
Concen: 1.230 ng
RT: 16.405 min Scan# 1654
Delta R.T. -0.010 min
Lab File: BN019768.D
Acq: 13 May 2022 13:06

Tgt Ion:248 Resp: 11752
Ion Ratio Lower Upper
248 100
250 94.8 75.3 112.9
141 78.8 67.3 100.9

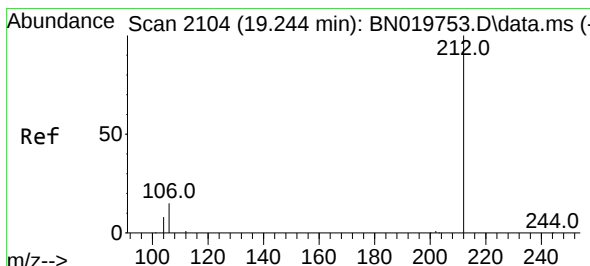
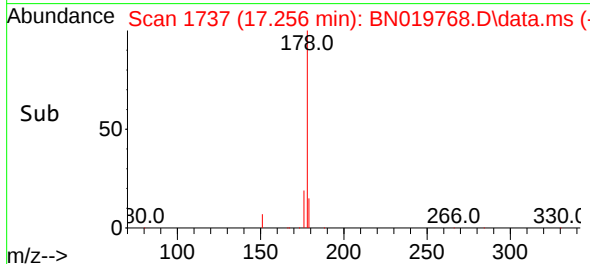
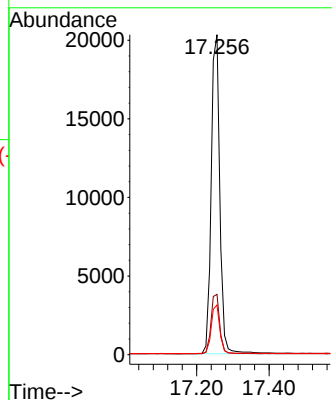
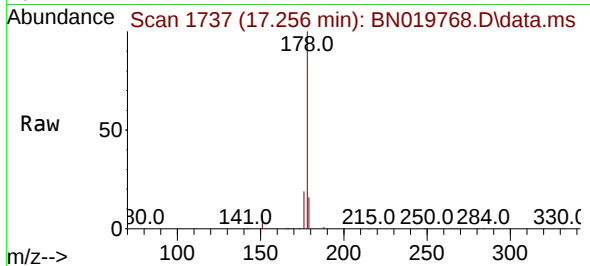




#25
 Phenanthrene
 Concen: 0.617 ng
 RT: 17.256 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BN019768.D
 Acq: 13 May 2022 13:06

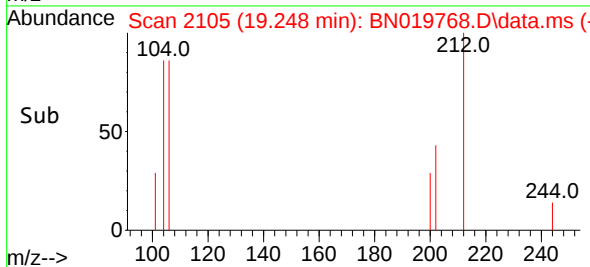
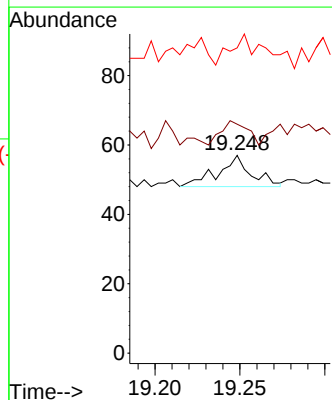
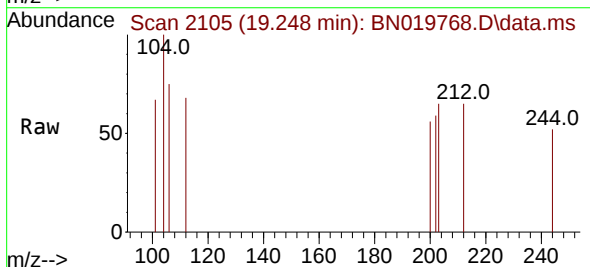
Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOILDL2

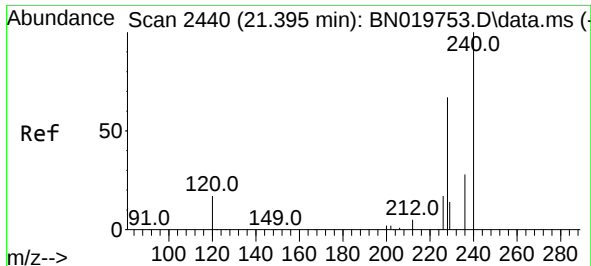
Tgt Ion:178 Resp: 33389
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.3 22.9
 179 15.3 12.2 18.4



#27
 Fluoranthene-d10
 Concen: 0.000 ng
 RT: 19.248 min Scan# 2105
 Delta R.T. -0.000 min
 Lab File: BN019768.D
 Acq: 13 May 2022 13:06

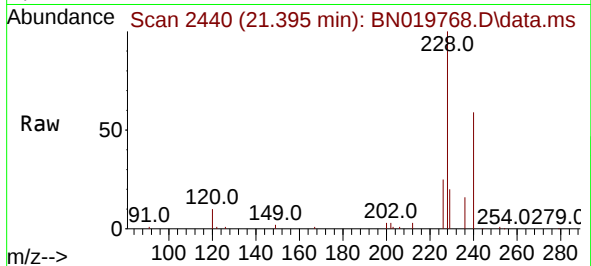
Tgt Ion:212 Resp: 12
 Ion Ratio Lower Upper
 212 100
 106 58.3 12.6 19.0#
 104 116.7 7.2 10.8#



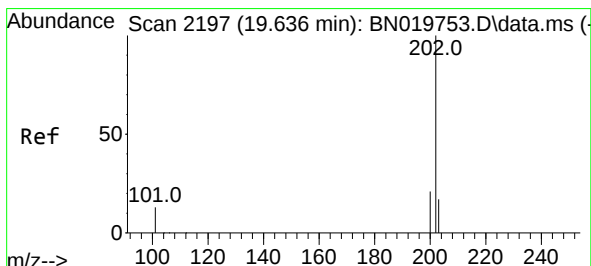
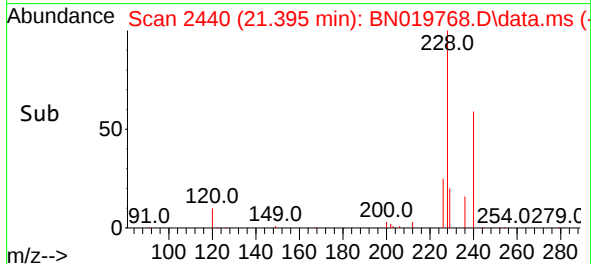
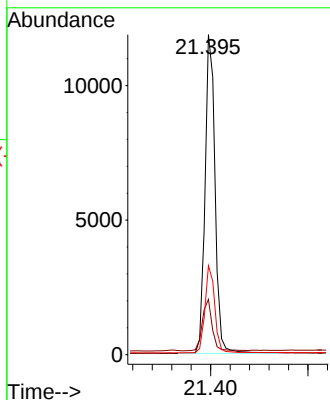


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.395 min Scan# 2440
Delta R.T. -0.009 min
Lab File: BN019768.D
Acq: 13 May 2022 13:06

Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILDL2

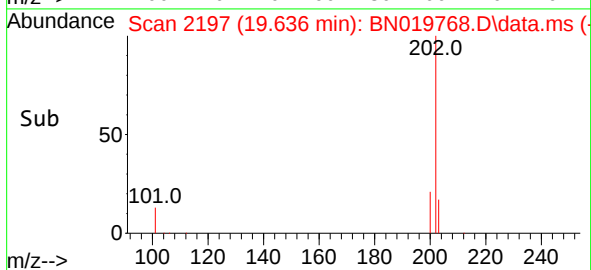
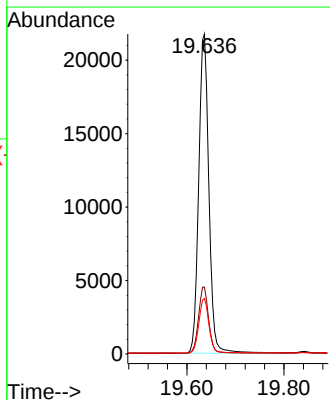
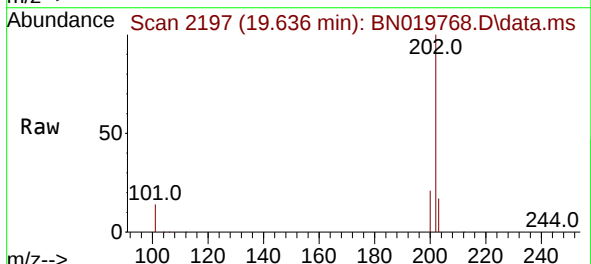


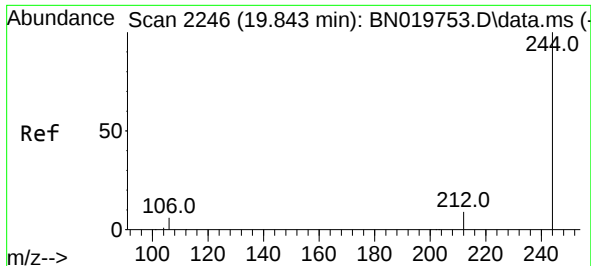
Tgt Ion:240 Resp: 16956
Ion Ratio Lower Upper
240 100
120 17.3 14.6 21.8
236 27.8 22.6 33.8



#30
Pyrene
Concen: 0.439 ng
RT: 19.636 min Scan# 2197
Delta R.T. -0.004 min
Lab File: BN019768.D
Acq: 13 May 2022 13:06

Tgt Ion:202 Resp: 31547
Ion Ratio Lower Upper
202 100
200 20.7 16.6 25.0
203 17.1 14.2 21.2

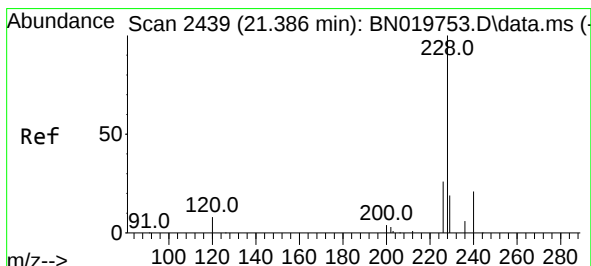
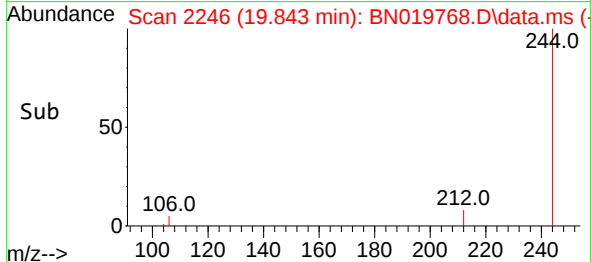
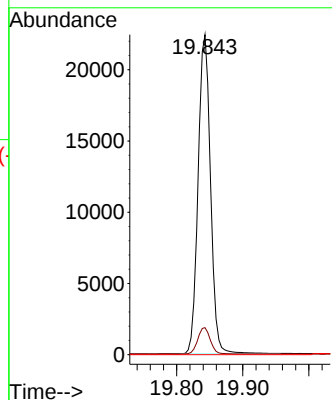
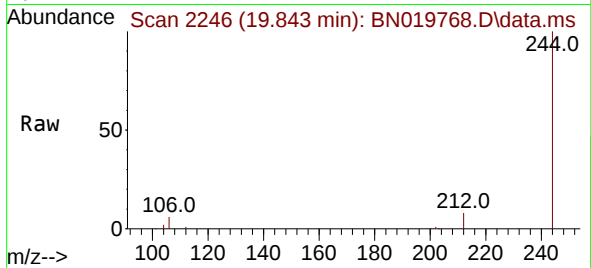




#31
 Terphenyl-d14
 Concen: 0.734 ng
 RT: 19.843 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BN019768.D
 Acq: 13 May 2022 13:06

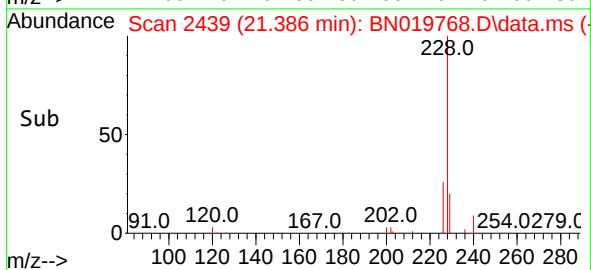
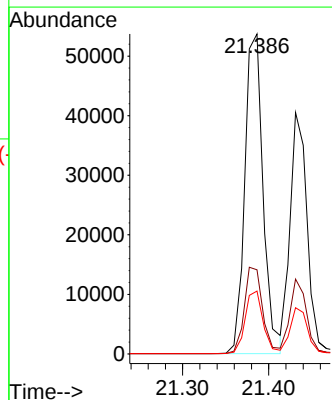
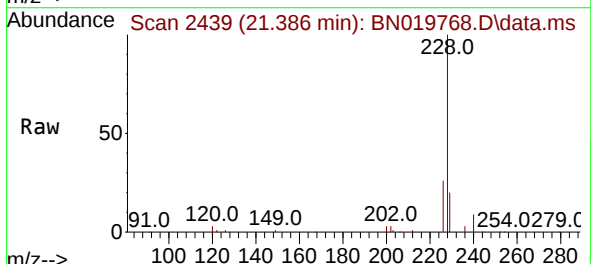
Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOILDL2

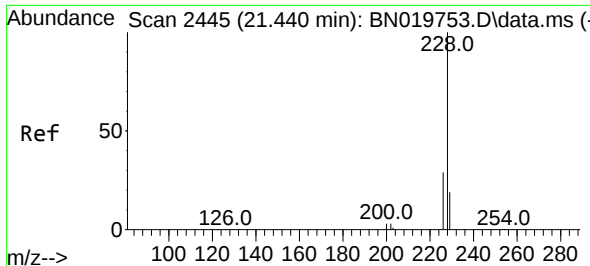
Tgt Ion:244 Resp: 29336
 Ion Ratio Lower Upper
 244 100
 212 8.5 7.1 10.7
 122 0.0 0.0 0.0



#32
 Benzo(a)anthracene
 Concen: 1.288 ng
 RT: 21.386 min Scan# 2439
 Delta R.T. -0.000 min
 Lab File: BN019768.D
 Acq: 13 May 2022 13:06

Tgt Ion:228 Resp: 79589
 Ion Ratio Lower Upper
 228 100
 226 26.3 21.2 31.8
 229 19.7 15.6 23.4





#33

Chrysene

Concen: 0.801 ng

RT: 21.431 min Scan# 2444

Delta R.T. -0.009 min

Lab File: BN019768.D

Acq: 13 May 2022 13:06

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOILDL2

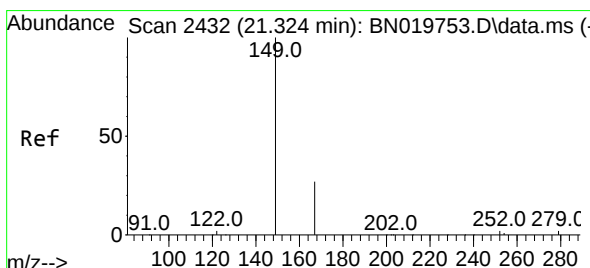
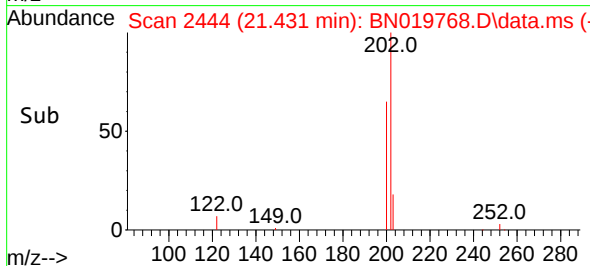
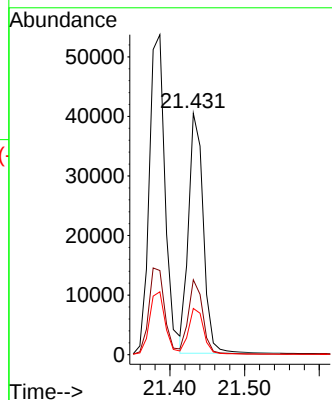
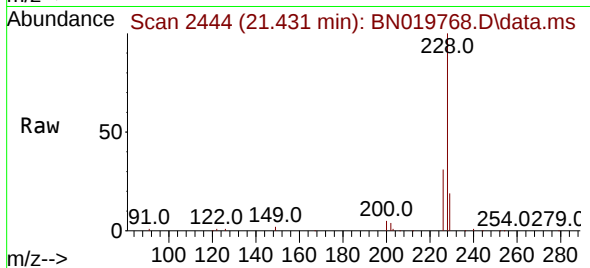
Tgt Ion:228 Resp: 55511

Ion Ratio Lower Upper

228 100

226 31.0 23.4 35.0

229 19.2 15.7 23.5



#34

Bis(2-ethylhexyl)phthalate

Concen: 2.547 ng

RT: 21.324 min Scan# 2432

Delta R.T. -0.000 min

Lab File: BN019768.D

Acq: 13 May 2022 13:06

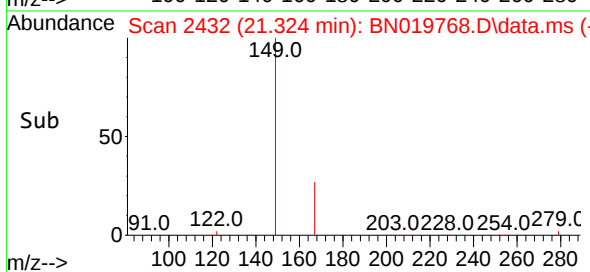
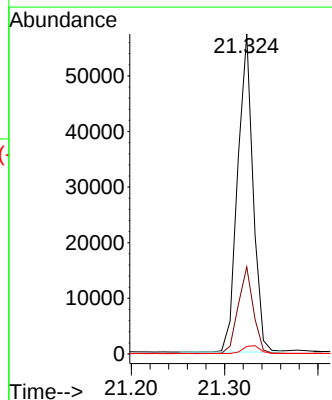
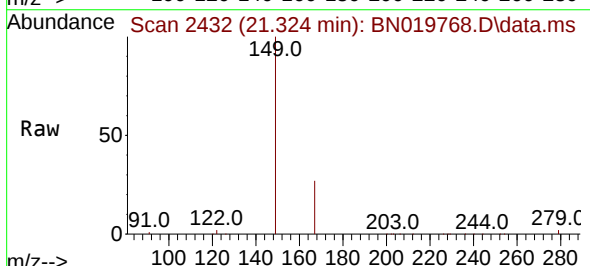
Tgt Ion:149 Resp: 65545

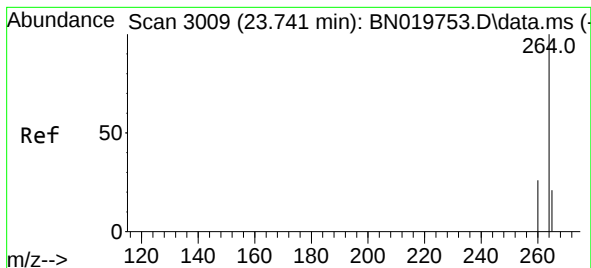
Ion Ratio Lower Upper

149 100

167 26.9 21.7 32.5

279 2.8 2.2 3.2





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.738 min Scan# 3008

Delta R.T. -0.003 min

Lab File: BN019768.D

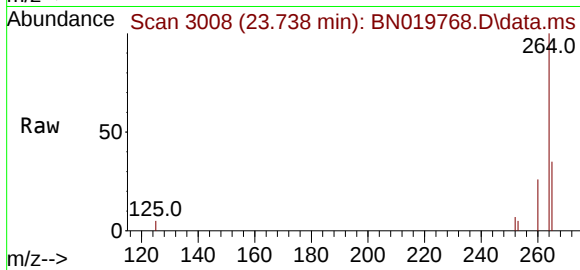
Acq: 13 May 2022 13:06

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOILDL2



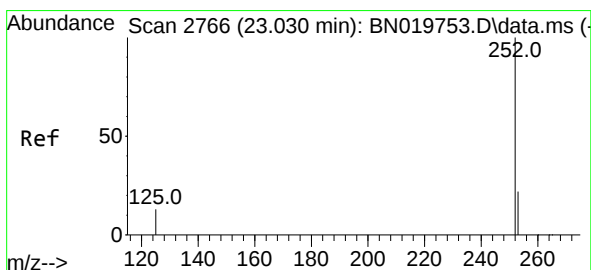
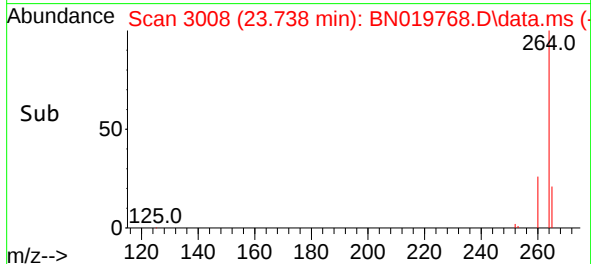
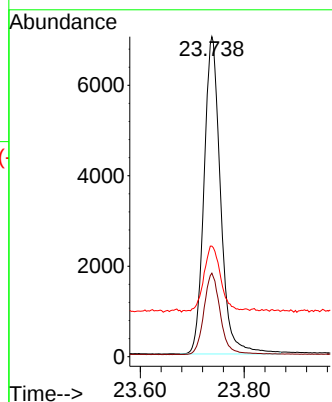
Tgt Ion:264 Resp: 15512

Ion Ratio Lower Upper

264 100

260 26.1 20.9 31.3

265 34.6 28.0 42.0



#37

Benzo(b)fluoranthene

Concen: 1.016 ng

RT: 23.027 min Scan# 2765

Delta R.T. -0.009 min

Lab File: BN019768.D

Acq: 13 May 2022 13:06

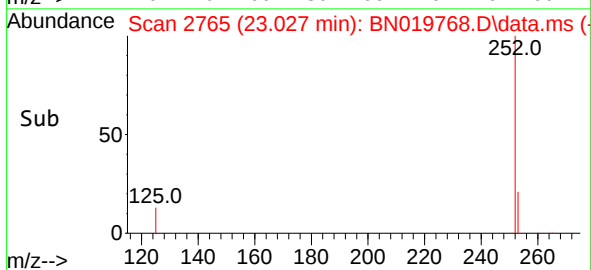
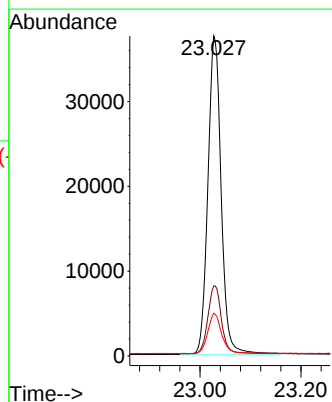
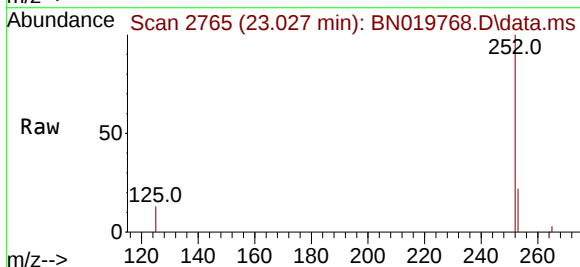
Tgt Ion:252 Resp: 68771

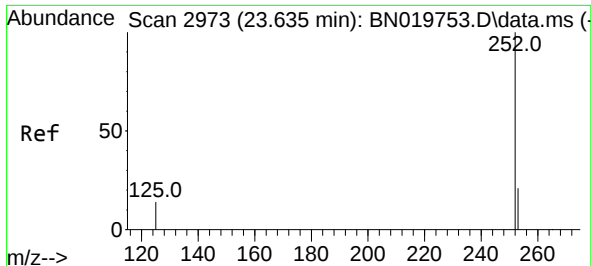
Ion Ratio Lower Upper

252 100

253 21.9 18.5 27.7

125 13.4 11.4 17.0

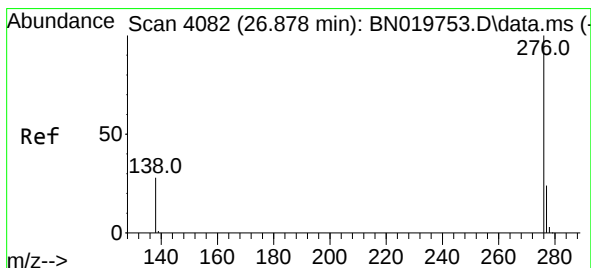
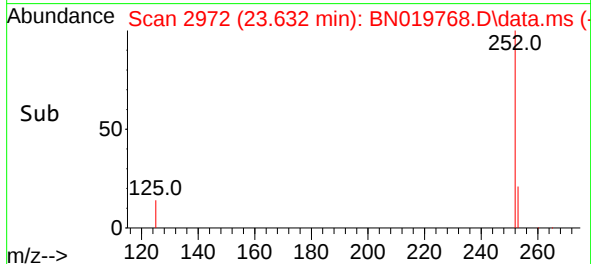
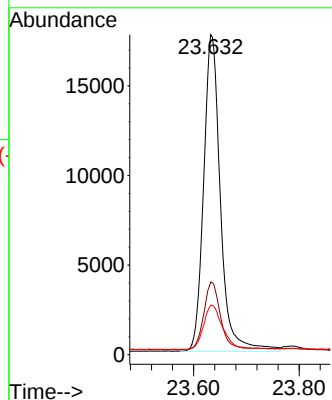
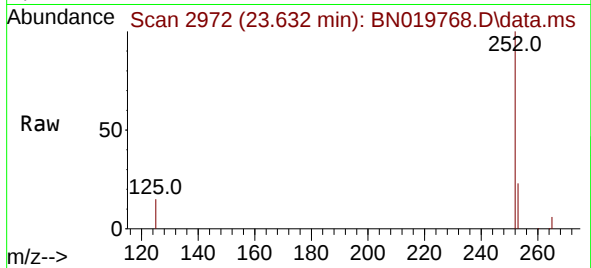




#39
Benzo(a)pyrene
Concen: 0.734 ng
RT: 23.632 min Scan# 2972
Delta R.T. -0.009 min
Lab File: BN019768.D
Acq: 13 May 2022 13:06

Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILDL2

Tgt Ion:252 Resp: 39087
Ion Ratio Lower Upper
252 100
253 22.7 19.0 28.4
125 15.4 13.8 20.8



#41
Benzo(g,h,i)perylene
Concen: 0.565 ng
RT: 26.875 min Scan# 4081
Delta R.T. -0.012 min
Lab File: BN019768.D
Acq: 13 May 2022 13:06

Tgt Ion:276 Resp: 34025
Ion Ratio Lower Upper
276 100
277 23.8 19.5 29.3
138 27.7 22.6 34.0

