

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051322\
 Data File : BN019767.D
 Acq On : 13 May 2022 12:30
 Operator : CG/JU
 Sample : N2656-12DL 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOILD

Quant Time: May 13 23:59:11 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)

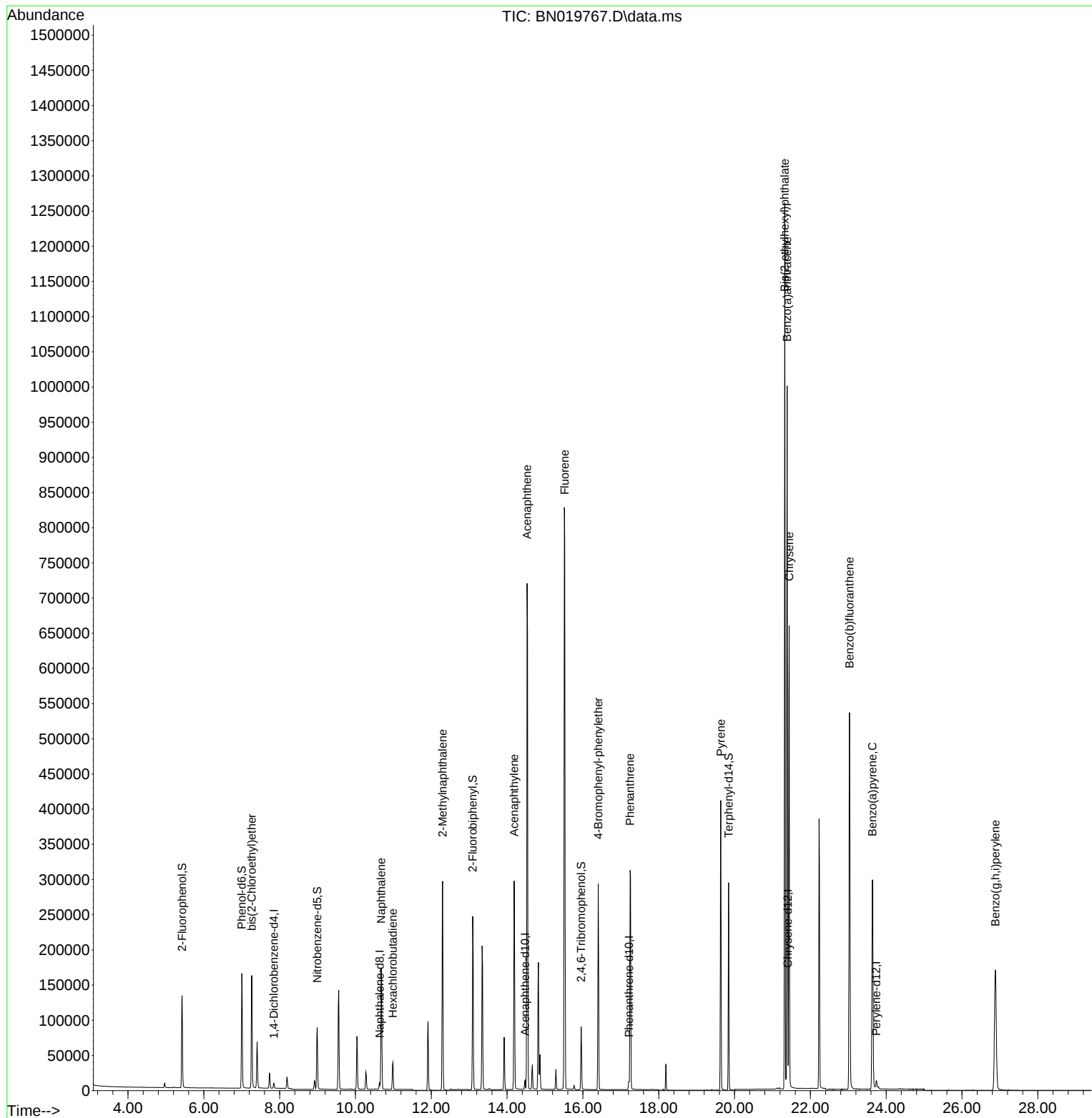
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.847	152	3637	0.400	ng	-0.01
7) Naphthalene-d8	10.637	136	12063	0.400	ng	#-0.01
13) Acenaphthene-d10	14.474	164	7264	0.400	ng	0.00
19) Phenanthrene-d10	17.215	188	16376	0.400	ng	0.00
29) Chrysene-d12	21.404	240	16643	0.400	ng	# 0.00
35) Perylene-d12	23.741	264	15796	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.428	112	109124	11.995	ng	-0.01
5) Phenol-d6	7.002	99	148696	13.042	ng	-0.02
8) Nitrobenzene-d5	8.993	82	71146	7.810	ng	-0.01
11) 2-Methylnaphthalene-d10	12.219	152	1	0.000	ng	-0.02
14) 2,4,6-Tribromophenol	15.954	330	44385	15.458	ng	-0.01
15) 2-Fluorobiphenyl	13.095	172	214286	6.757	ng	-0.01
27) Fluoranthene-d10	19.240	212	26	0.001	ng	0.00
31) Terphenyl-d14	19.843	244	316328	8.060	ng	0.00
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.262	93	118624	10.688	ng	98
9) Naphthalene	10.680	128	238692	6.517	ng	99
10) Hexachlorobutadiene	10.989	225	33535	5.035	ng	# 100
12) 2-Methylnaphthalene	12.299	142	212427	8.513	ng	98
16) Acenaphthylene	14.185	152	333434	9.785	ng	99
17) Acenaphthene	14.527	154	392551	15.578	ng	98
18) Fluorene	15.521	166	368604	11.569	ng	99
21) 4-Bromophenyl-phenylether	16.405	248	133470	13.341	ng	94
25) Phenanthrene	17.246	178	358553	6.323	ng	100
30) Pyrene	19.636	202	366340	5.189	ng	99
32) Benzo(a)anthracene	21.386	228	844950	13.931	ng	99
33) Chrysene	21.440	228	563349	8.283	ng	100
34) Bis(2-ethylhexyl)phtha...	21.324	149	1095391	43.366	ng	99
37) Benzo(b)fluoranthene	23.033	252	727603	10.553	ng	97
39) Benzo(a)pyrene	23.635	252	451614	8.323	ng	# 94
41) Benzo(g,h,i)perylene	26.884	276	376500	6.140	ng	98

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

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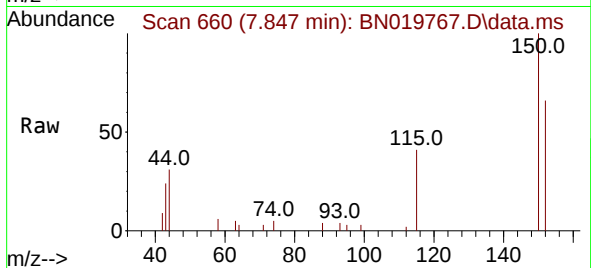
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN051322.M
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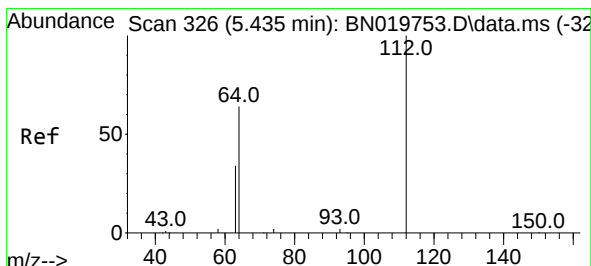
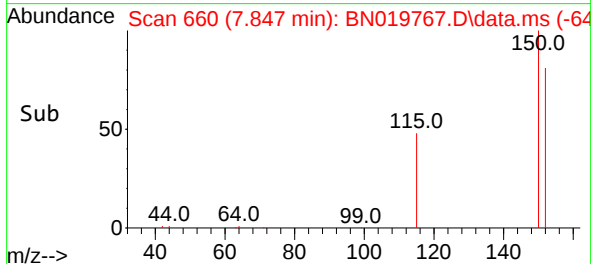
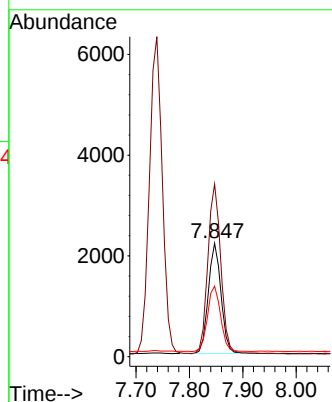


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.847 min Scan# 60
Delta R.T. -0.015 min
Lab File: BN019767.D
Acq: 13 May 2022 12:30

Instrument :
BNA_N
ClientSampleId :
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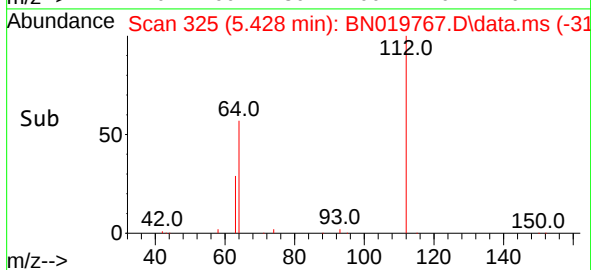
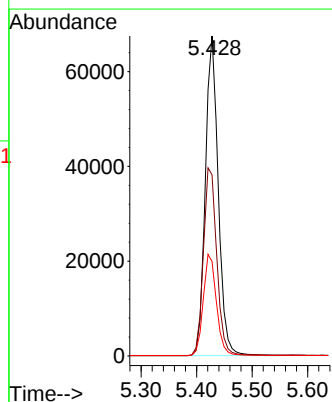
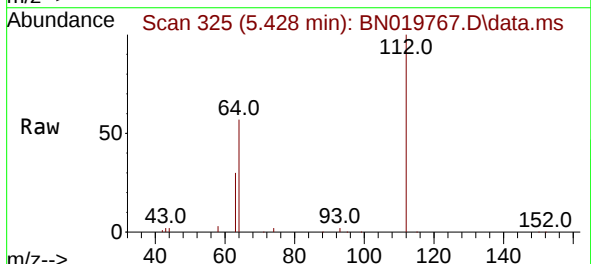


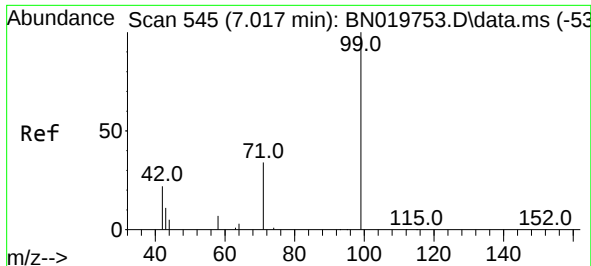
Tgt Ion:152 Resp: 3637
Ion Ratio Lower Upper
152 100
150 152.2 127.9 191.9
115 62.2 51.4 77.2



#4
2-Fluorophenol
Concen: 11.995 ng
RT: 5.428 min Scan# 325
Delta R.T. -0.015 min
Lab File: BN019767.D
Acq: 13 May 2022 12:30

Tgt Ion:112 Resp: 109124
Ion Ratio Lower Upper
112 100
64 61.2 49.1 73.7
63 32.4 26.3 39.5

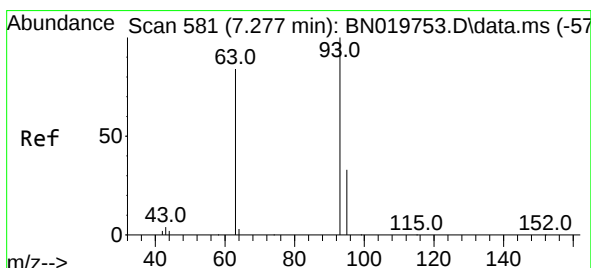
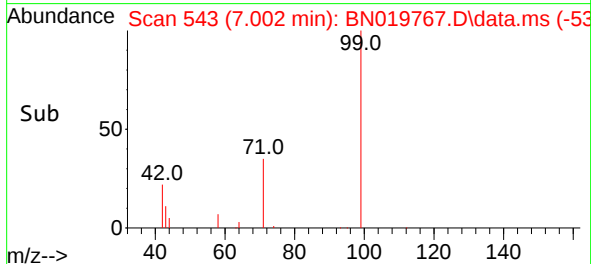
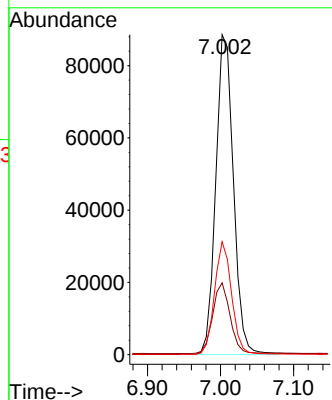
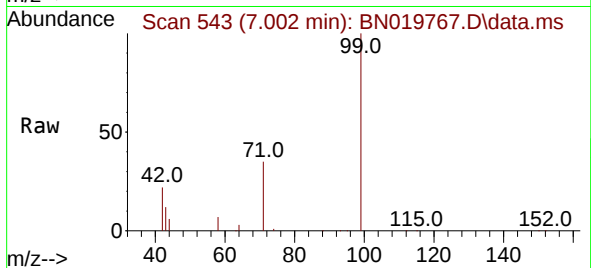




#5
Phenol-d6
Concen: 13.042 ng
RT: 7.002 min Scan# 54
Delta R.T. -0.022 min
Lab File: BN019767.D
Acq: 13 May 2022 12:30

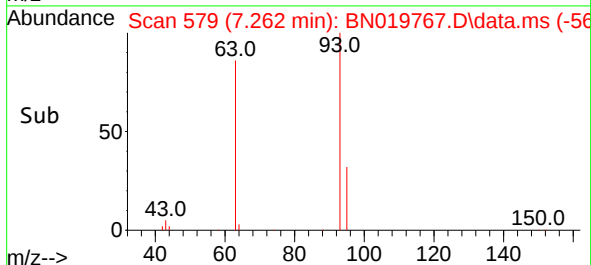
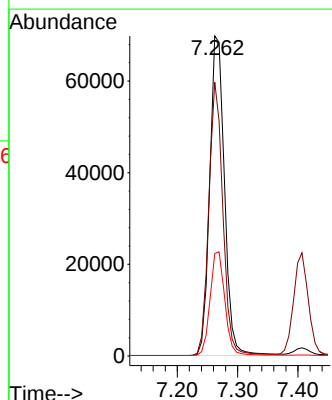
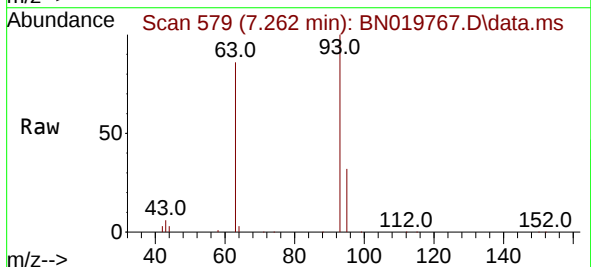
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ClientSampleId :
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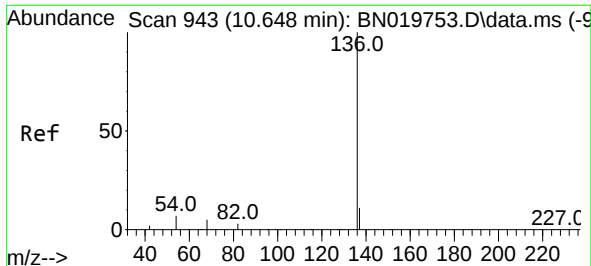
Tgt Ion: 99 Resp: 148696
Ion Ratio Lower Upper
99 100
42 21.7 19.3 28.9
71 34.1 27.5 41.3



#6
bis(2-Chloroethyl)ether
Concen: 10.688 ng
RT: 7.262 min Scan# 579
Delta R.T. -0.022 min
Lab File: BN019767.D
Acq: 13 May 2022 12:30

Tgt Ion: 93 Resp: 118624
Ion Ratio Lower Upper
93 100
63 81.8 67.4 101.0
95 32.6 26.5 39.7

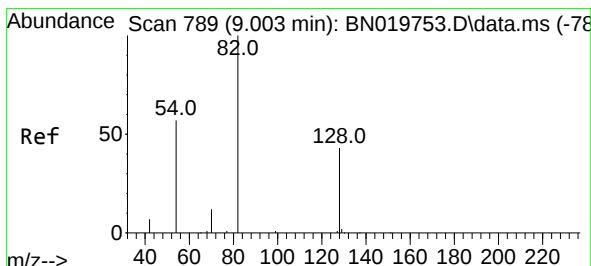
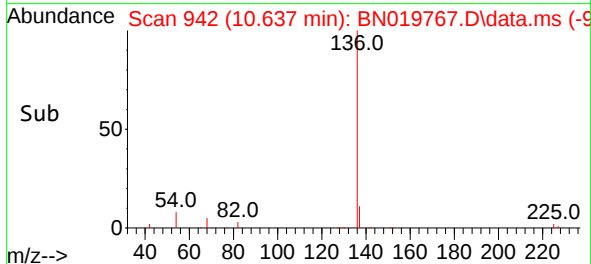
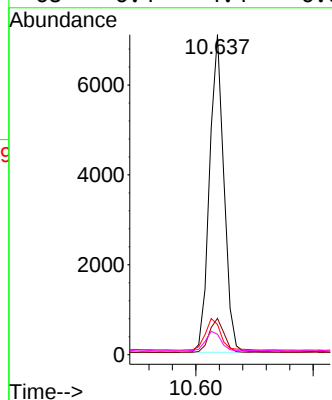
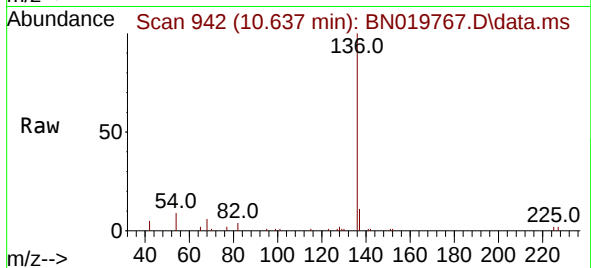




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN019767.D
Acq: 13 May 2022 12:30

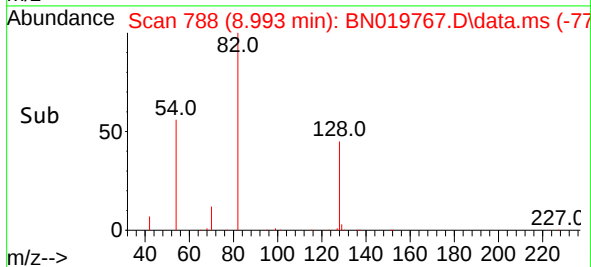
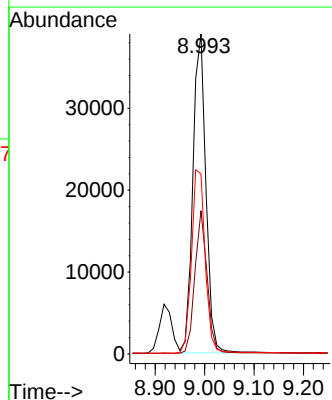
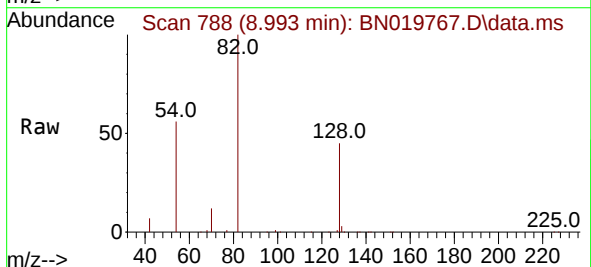
Instrument :
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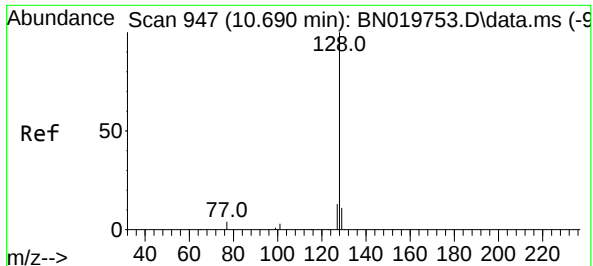
Tgt Ion:	136	Resp:	12063
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.0	13.6
54	9.4	6.2	9.2#
68	6.4	4.4	6.6



#8
Nitrobenzene-d5
Concen: 7.810 ng
RT: 8.993 min Scan# 788
Delta R.T. -0.011 min
Lab File: BN019767.D
Acq: 13 May 2022 12:30

Tgt Ion:	82	Resp:	71146
Ion Ratio	Lower	Upper	
82	100		
128	44.8	35.0	52.6
54	56.2	46.2	69.4

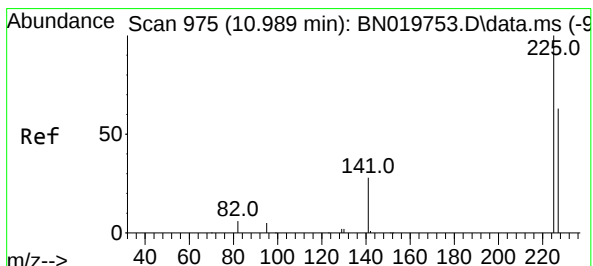
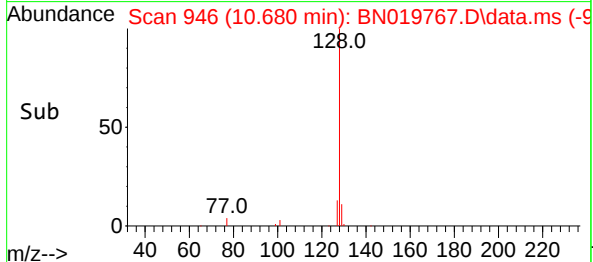
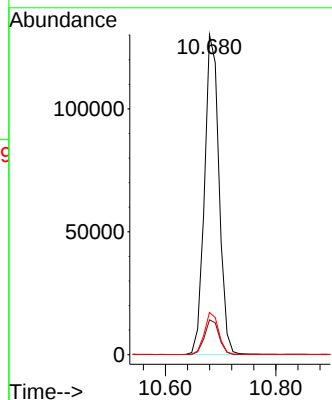
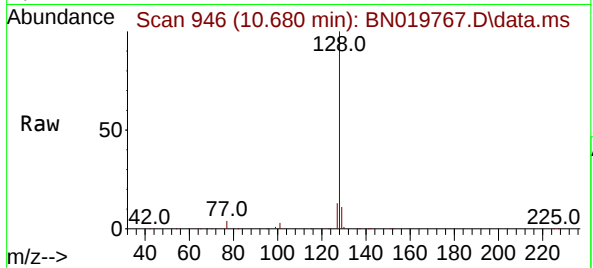




#9
Naphthalene
Concen: 6.517 ng
RT: 10.680 min Scan# 947
Delta R.T. -0.021 min
Lab File: BN019767.D
Acq: 13 May 2022 12:30

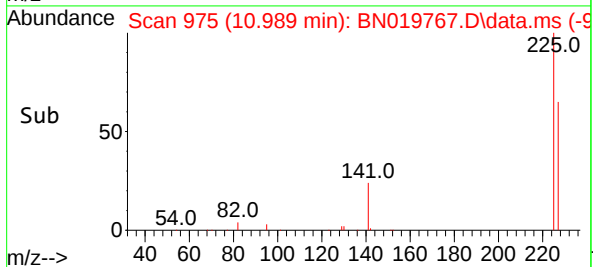
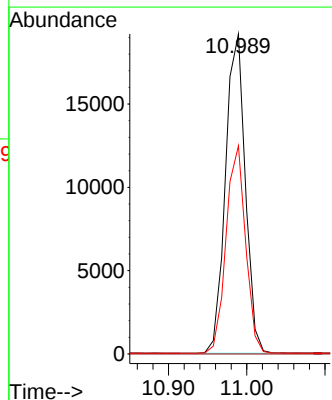
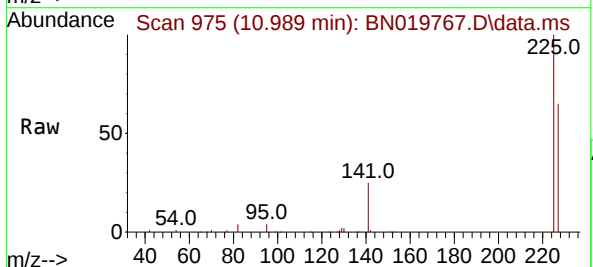
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BNA_N
ClientSampleId :
PT-BNA-SOILDL

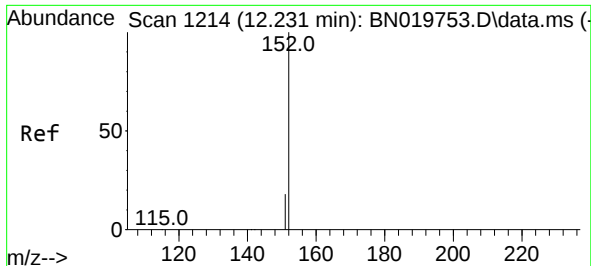
Tgt Ion:128 Resp: 238692
Ion Ratio Lower Upper
128 100
129 10.9 8.9 13.3
127 13.2 10.8 16.2



#10
Hexachlorobutadiene
Concen: 5.035 ng
RT: 10.989 min Scan# 975
Delta R.T. -0.011 min
Lab File: BN019767.D
Acq: 13 May 2022 12:30

Tgt Ion:225 Resp: 33535
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.9 50.9 76.3

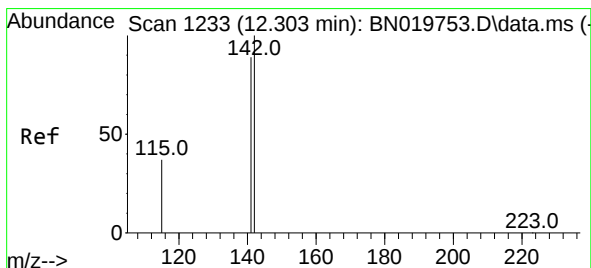
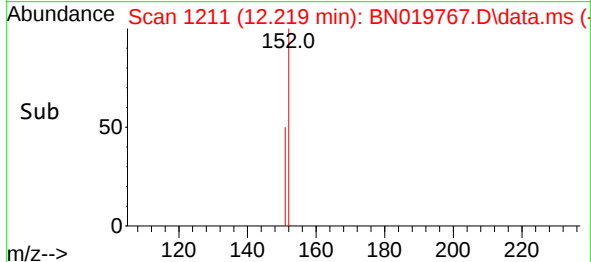
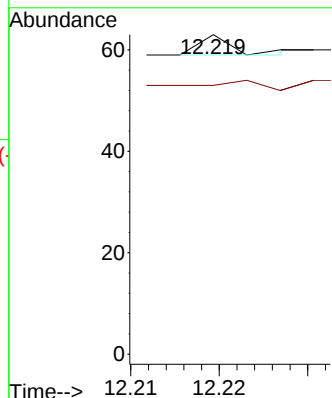
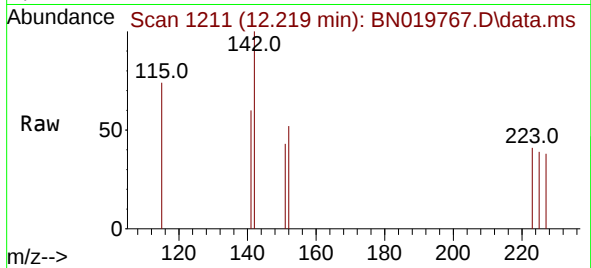




#11
2-Methylnaphthalene-d10
Concen: 0.000 ng
RT: 12.219 min Scan# 11
Delta R.T. -0.015 min
Lab File: BN019767.D
Acq: 13 May 2022 12:30

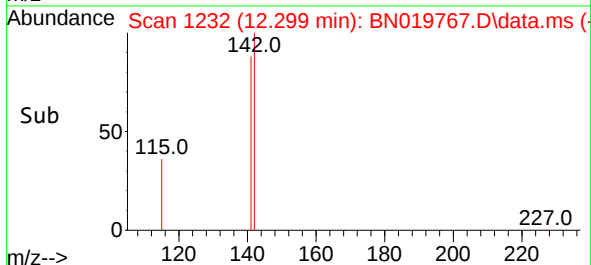
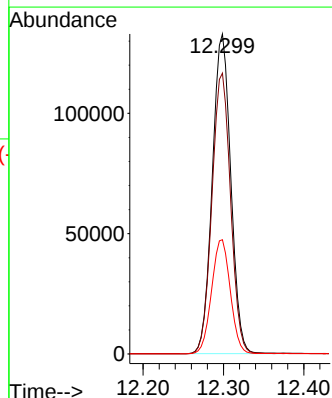
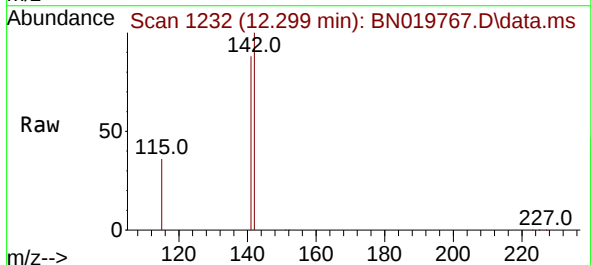
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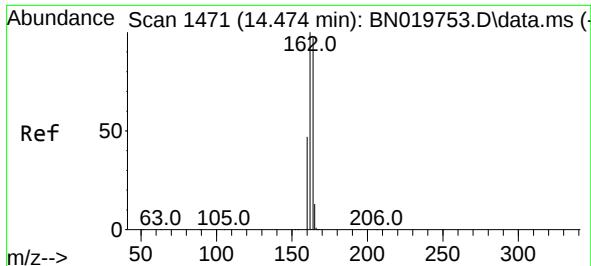
Tgt Ion:152 Resp: 1
Ion Ratio Lower Upper
152 100
151 200.0 16.2 24.4#



#12
2-Methylnaphthalene
Concen: 8.513 ng
RT: 12.299 min Scan# 1232
Delta R.T. -0.011 min
Lab File: BN019767.D
Acq: 13 May 2022 12:30

Tgt Ion:142 Resp: 212427
Ion Ratio Lower Upper
142 100
141 87.8 71.6 107.4
115 35.7 29.8 44.8

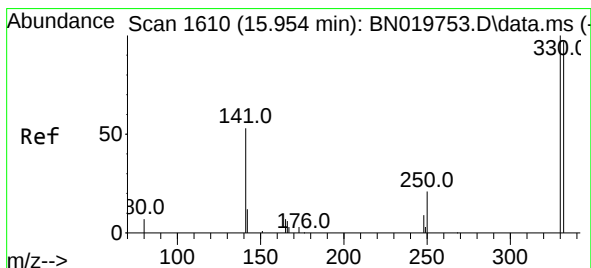
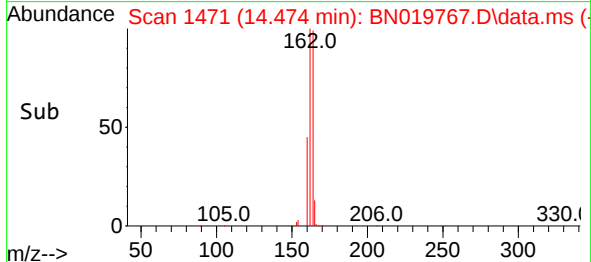
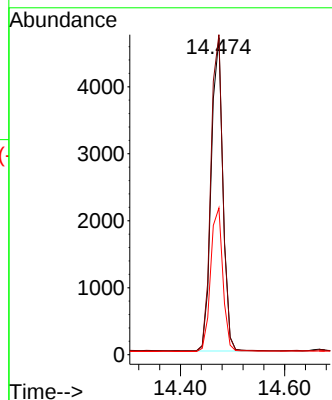
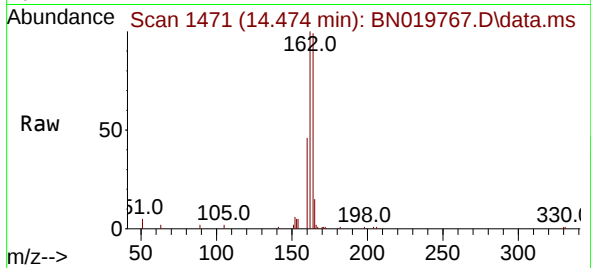




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.474 min Scan# 1471
Delta R.T. -0.000 min
Lab File: BN019767.D
Acq: 13 May 2022 12:30

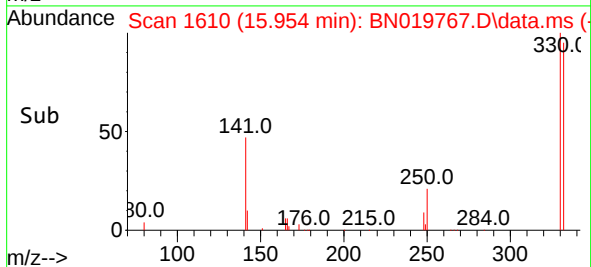
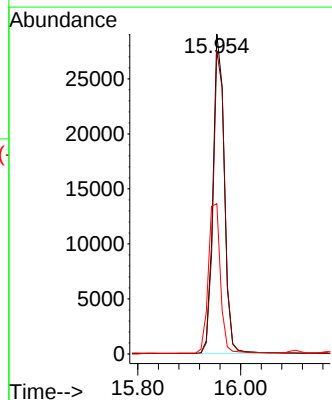
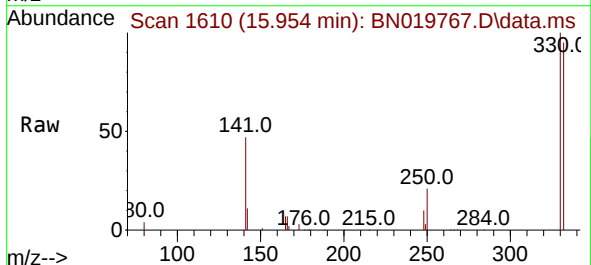
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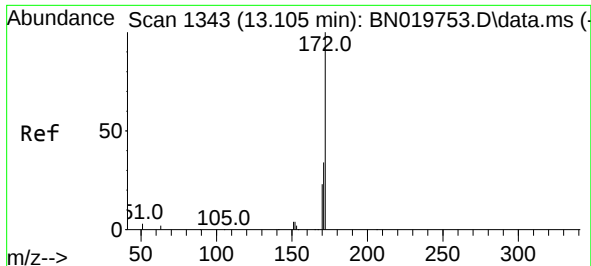
Tgt Ion:164 Resp: 7264
Ion Ratio Lower Upper
164 100
162 100.9 82.1 123.1
160 46.3 38.6 58.0



#14
2,4,6-Tribromophenol
Concen: 15.458 ng
RT: 15.954 min Scan# 1610
Delta R.T. -0.010 min
Lab File: BN019767.D
Acq: 13 May 2022 12:30

Tgt Ion:330 Resp: 44385
Ion Ratio Lower Upper
330 100
332 96.6 77.6 116.4
141 49.9 41.0 61.4

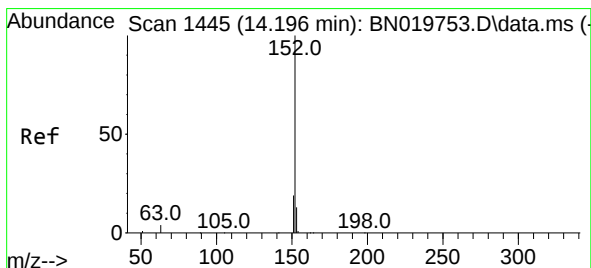
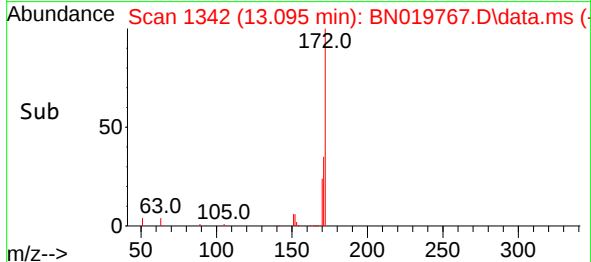
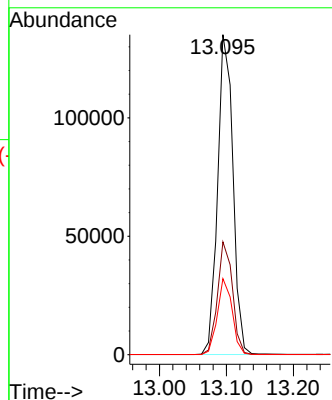
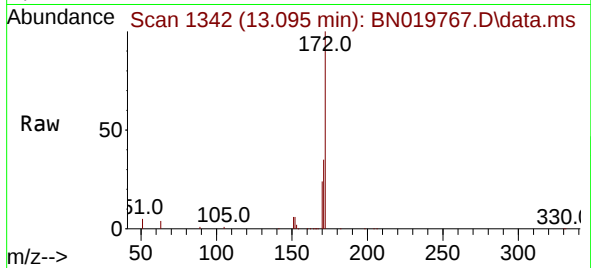




#15
2-Fluorobiphenyl
Concen: 6.757 ng
RT: 13.095 min Scan# 1342
Delta R.T. -0.011 min
Lab File: BN019767.D
Acq: 13 May 2022 12:30

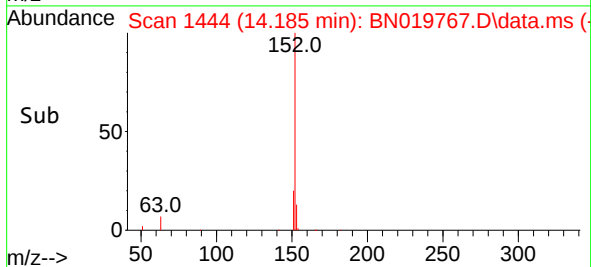
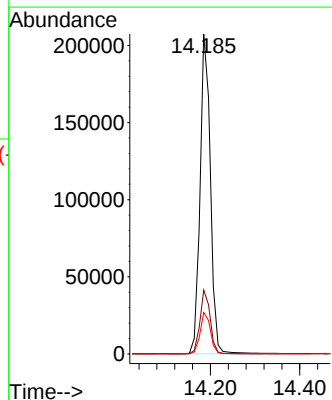
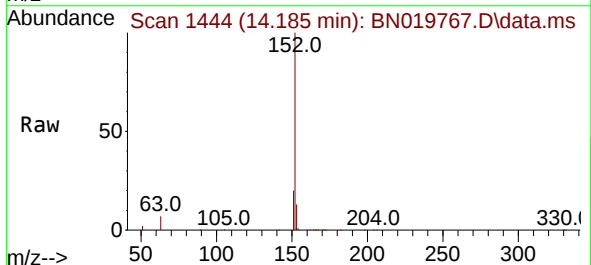
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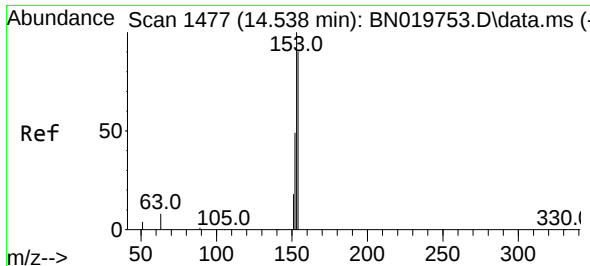
Tgt Ion:172 Resp: 214286
Ion Ratio Lower Upper
172 100
171 35.3 27.2 40.8
170 23.8 18.2 27.4



#16
Acenaphthylene
Concen: 9.785 ng
RT: 14.185 min Scan# 1444
Delta R.T. -0.011 min
Lab File: BN019767.D
Acq: 13 May 2022 12:30

Tgt Ion:152 Resp: 333434
Ion Ratio Lower Upper
152 100
151 19.8 16.2 24.4
153 13.0 10.7 16.1

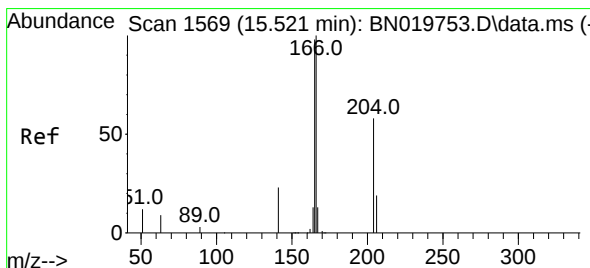
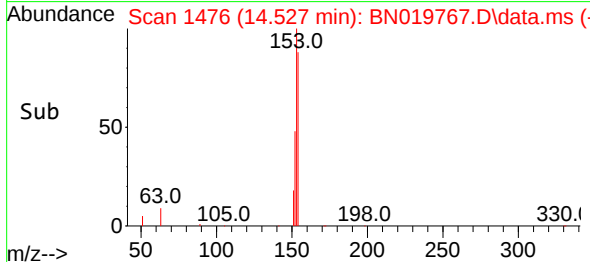
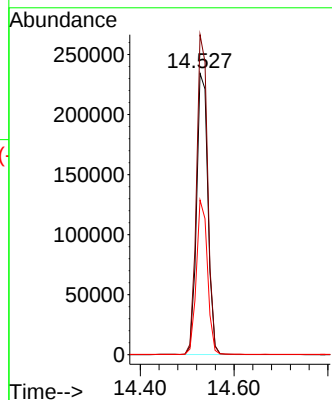
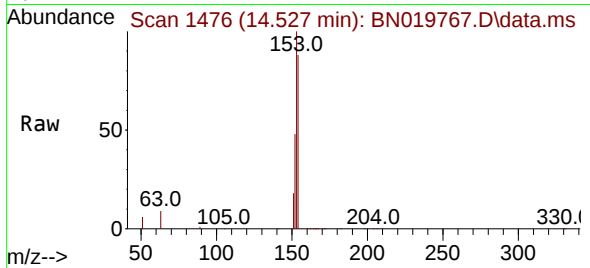




#17
Acenaphthene
Concen: 15.578 ng
RT: 14.527 min Scan# 1476
Delta R.T. -0.011 min
Lab File: BN019767.D
Acq: 13 May 2022 12:30

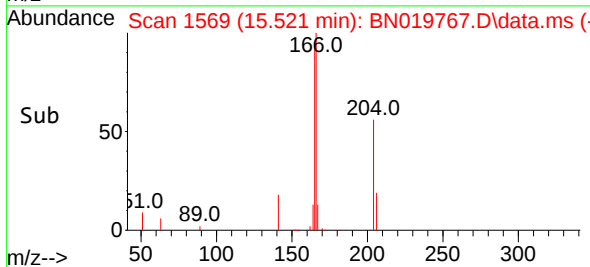
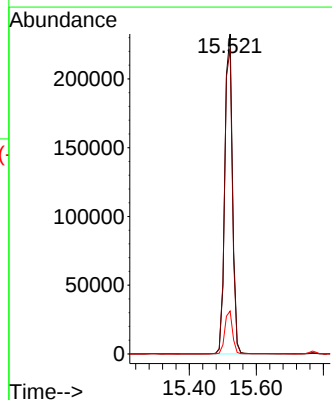
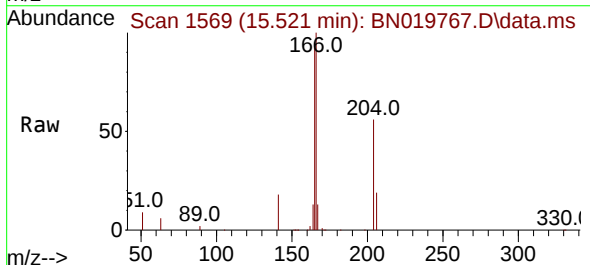
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILDL

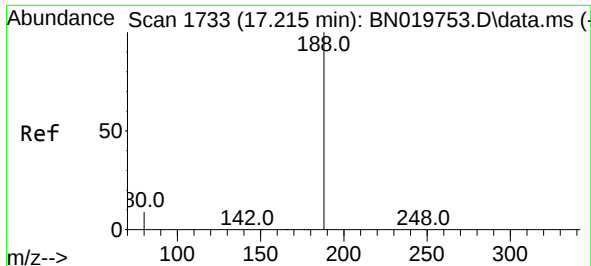
Tgt Ion:154 Resp: 392551
Ion Ratio Lower Upper
154 100
153 112.3 87.5 131.3
152 53.7 43.8 65.6



#18
Fluorene
Concen: 11.569 ng
RT: 15.521 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BN019767.D
Acq: 13 May 2022 12:30

Tgt Ion:166 Resp: 368604
Ion Ratio Lower Upper
166 100
165 97.2 78.6 118.0
167 13.4 10.8 16.2

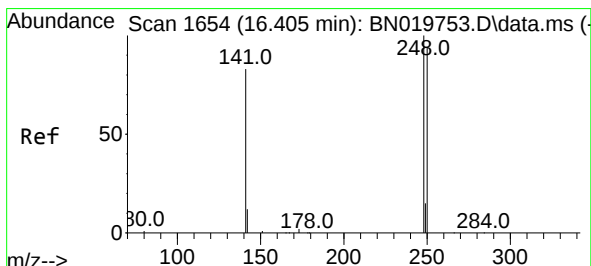
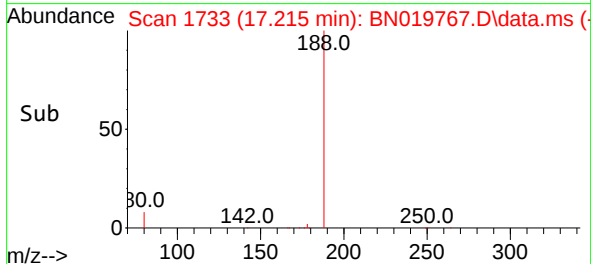
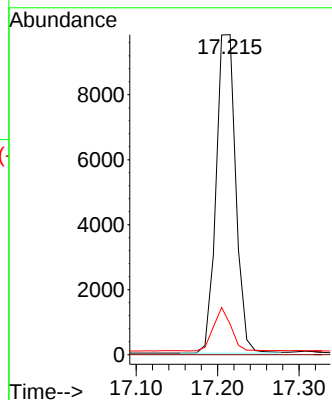
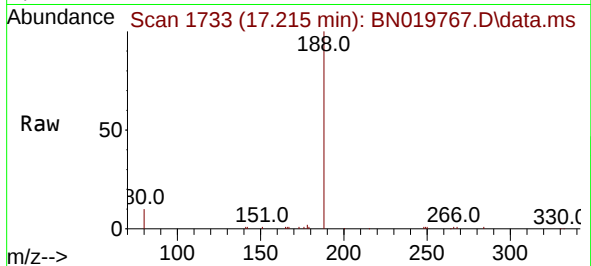




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.215 min Scan# 1733
Delta R.T. -0.000 min
Lab File: BN019767.D
Acq: 13 May 2022 12:30

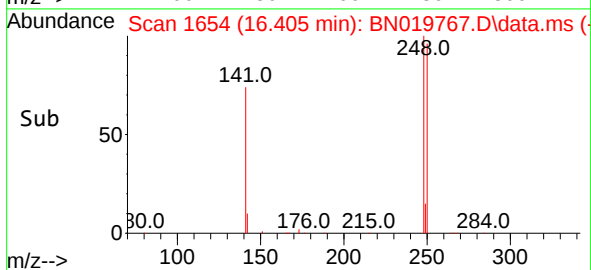
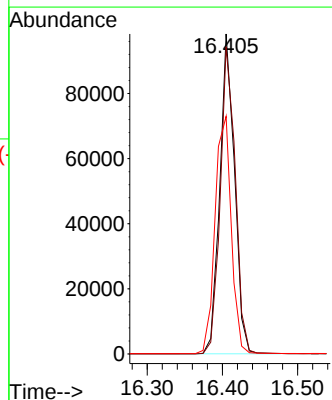
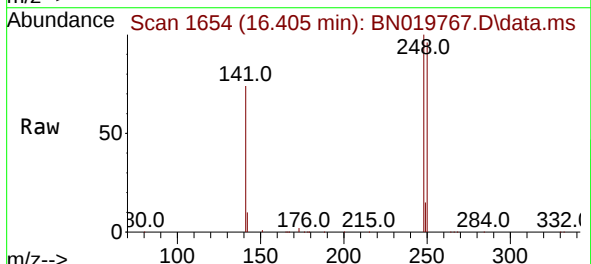
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILD

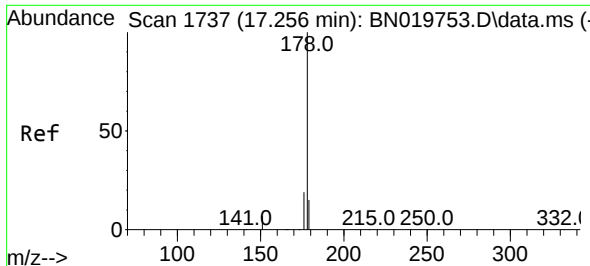
Tgt Ion:188 Resp: 16376
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.5 7.4 11.2



#21
4-Bromophenyl-phenylether
Concen: 13.341 ng
RT: 16.405 min Scan# 1654
Delta R.T. -0.010 min
Lab File: BN019767.D
Acq: 13 May 2022 12:30

Tgt Ion:248 Resp: 133470
Ion Ratio Lower Upper
248 100
250 96.0 75.3 112.9
141 74.3 67.3 100.9

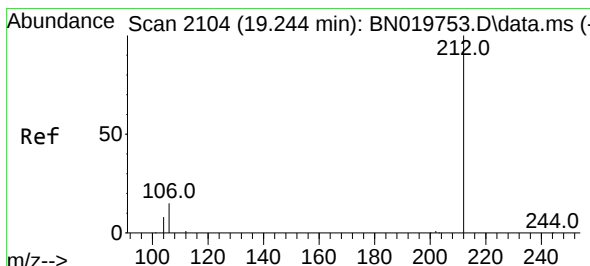
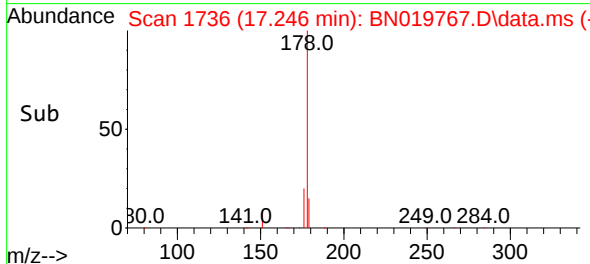
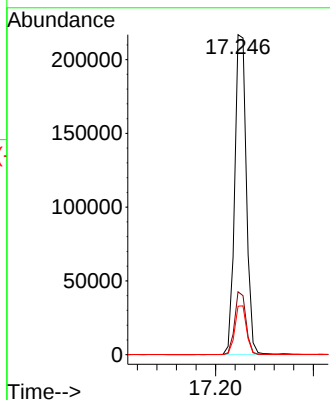
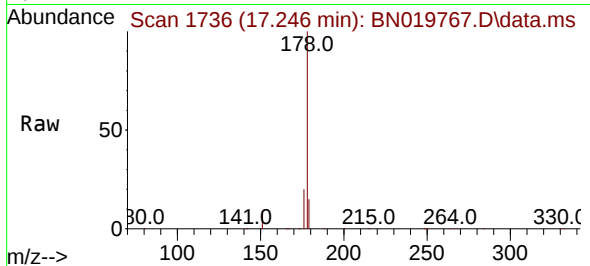




#25
Phenanthrene
Concen: 6.323 ng
RT: 17.246 min Scan# 1736
Delta R.T. -0.010 min
Lab File: BN019767.D
Acq: 13 May 2022 12:30

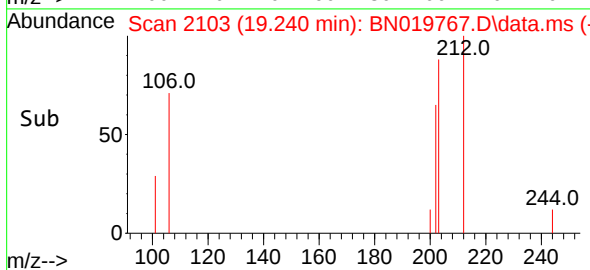
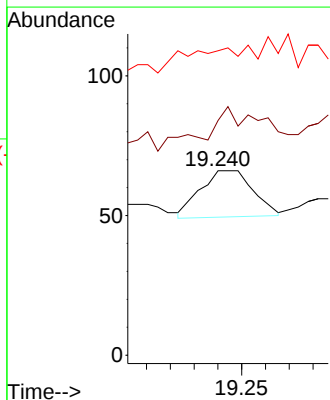
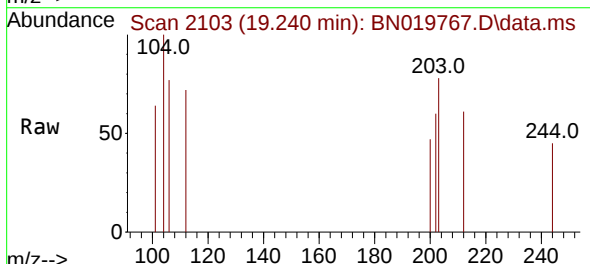
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILD

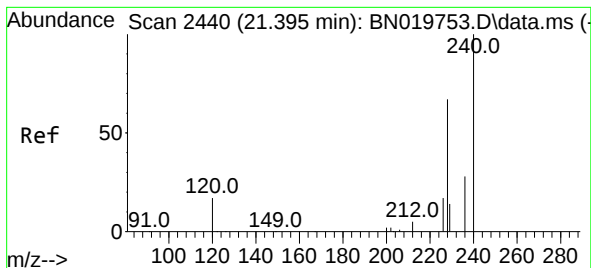
Tgt Ion:178 Resp: 358553
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.3 12.2 18.4



#27
Fluoranthene-d10
Concen: 0.001 ng
RT: 19.240 min Scan# 2103
Delta R.T. -0.009 min
Lab File: BN019767.D
Acq: 13 May 2022 12:30

Tgt Ion:212 Resp: 26
Ion Ratio Lower Upper
212 100
106 107.7 12.6 19.0#
104 53.8 7.2 10.8#





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.404 min Scan# 2441

Delta R.T. -0.000 min

Lab File: BN019767.D

Acq: 13 May 2022 12:30

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOILDL

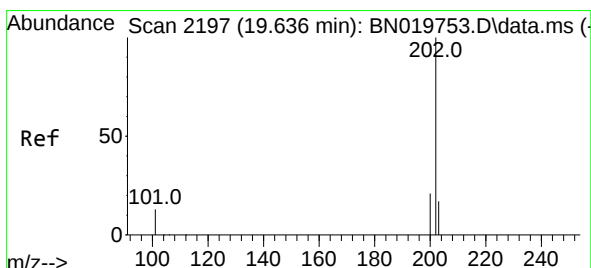
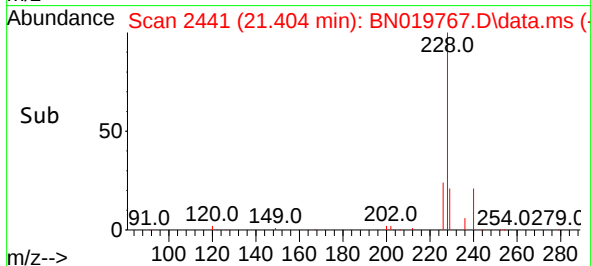
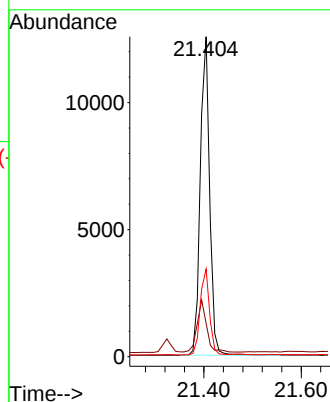
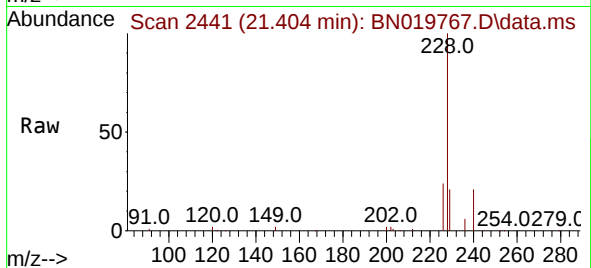
Tgt Ion:240 Resp: 16643

Ion Ratio Lower Upper

240 100

120 10.5 14.6 21.8#

236 27.4 22.6 33.8



#30

Pyrene

Concen: 5.189 ng

RT: 19.636 min Scan# 2197

Delta R.T. -0.004 min

Lab File: BN019767.D

Acq: 13 May 2022 12:30

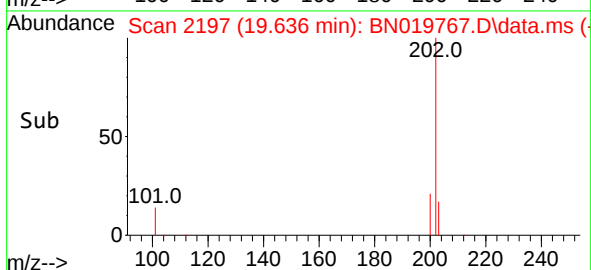
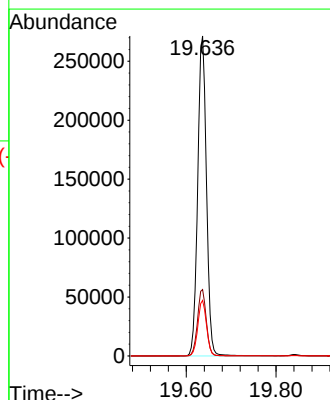
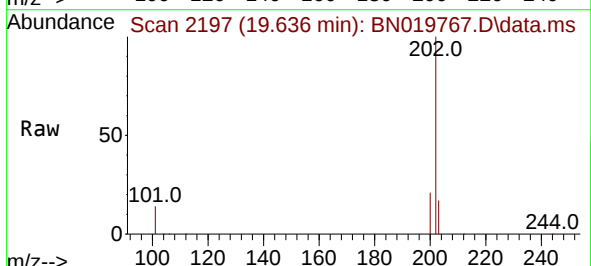
Tgt Ion:202 Resp: 366340

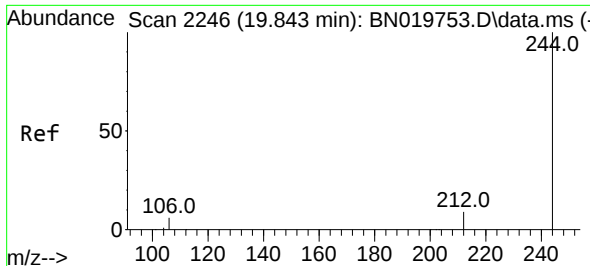
Ion Ratio Lower Upper

202 100

200 20.8 16.6 25.0

203 17.2 14.2 21.2

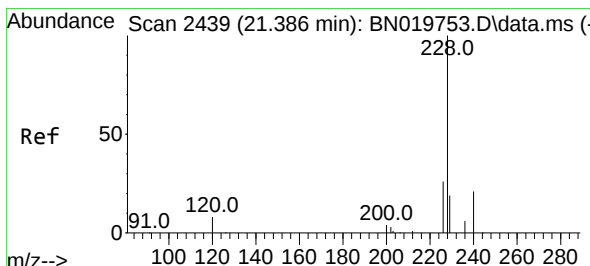
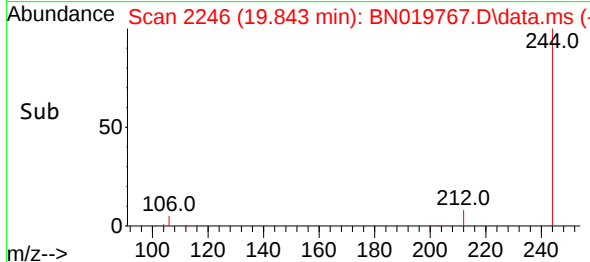
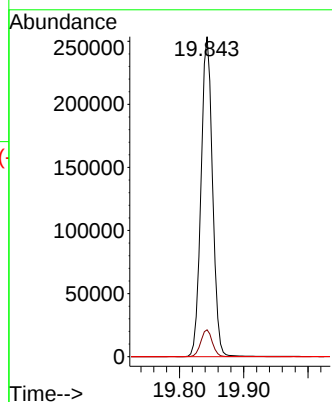
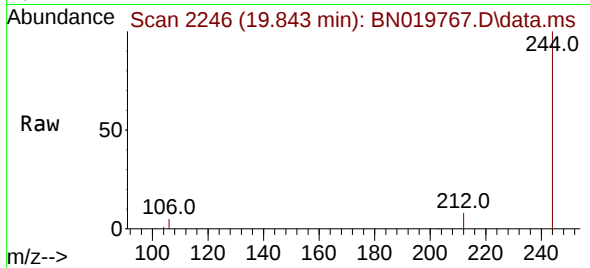




#31
 Terphenyl-d14
 Concen: 8.060 ng
 RT: 19.843 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BN019767.D
 Acq: 13 May 2022 12:30

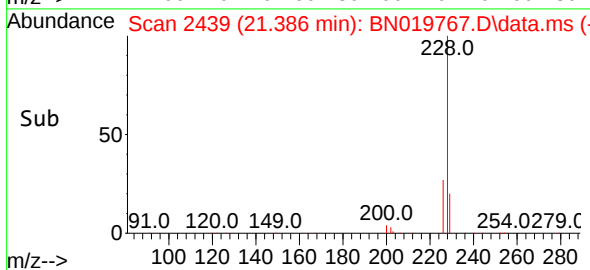
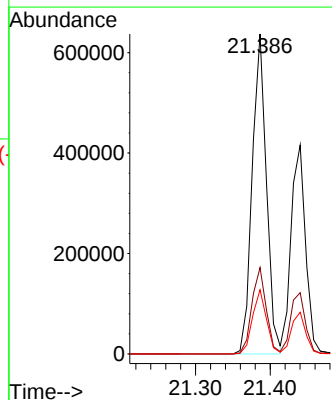
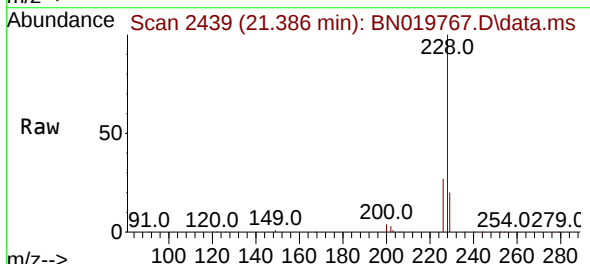
Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOILD

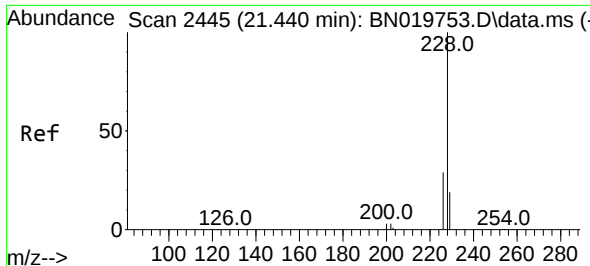
Tgt Ion:244 Resp: 316328
 Ion Ratio Lower Upper
 244 100
 212 8.4 7.1 10.7
 122 0.0 0.0 0.0



#32
 Benzo(a)anthracene
 Concen: 13.931 ng
 RT: 21.386 min Scan# 2439
 Delta R.T. -0.000 min
 Lab File: BN019767.D
 Acq: 13 May 2022 12:30

Tgt Ion:228 Resp: 844950
 Ion Ratio Lower Upper
 228 100
 226 27.0 21.2 31.8
 229 20.1 15.6 23.4

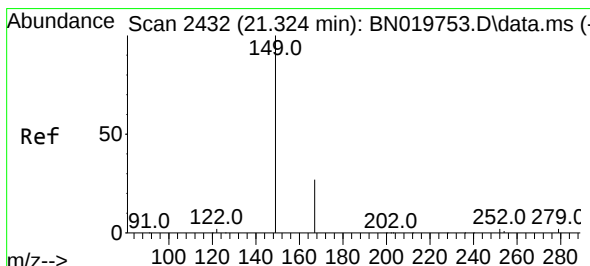
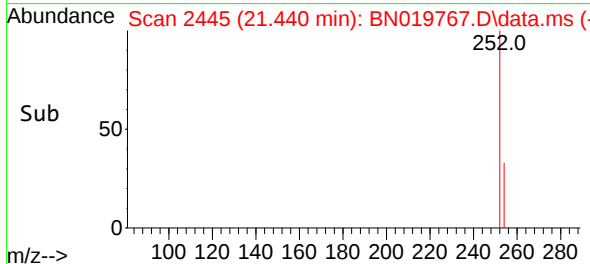
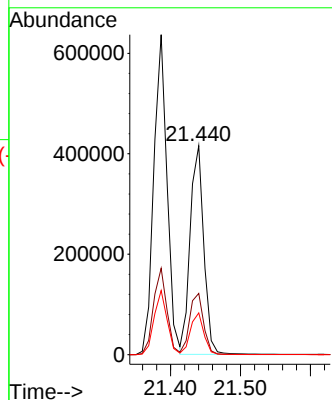
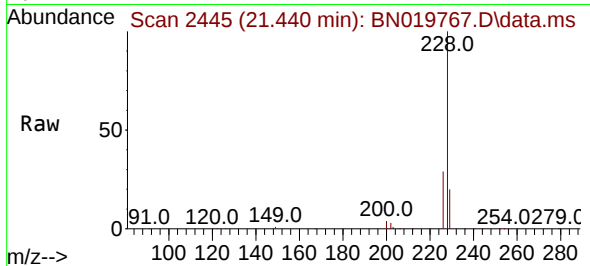




#33
Chrysene
Concen: 8.283 ng
RT: 21.440 min Scan# 2445
Delta R.T. -0.000 min
Lab File: BN019767.D
Acq: 13 May 2022 12:30

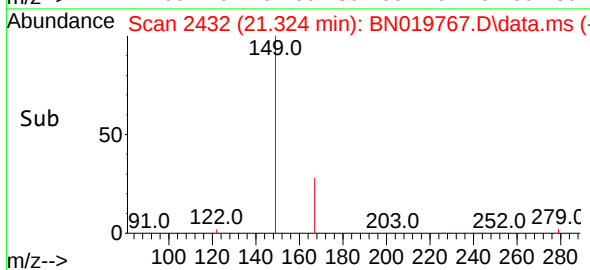
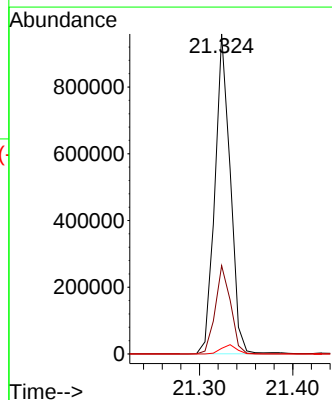
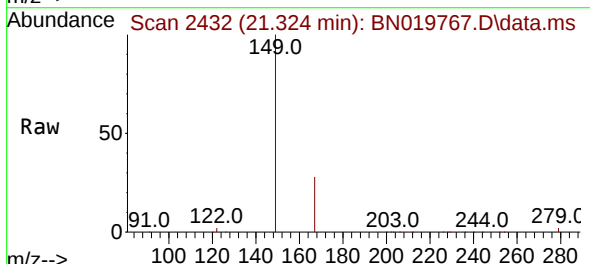
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILD

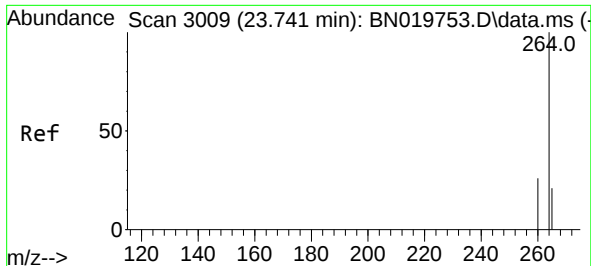
Tgt Ion:228 Resp: 563349
Ion Ratio Lower Upper
228 100
226 29.4 23.4 35.0
229 20.0 15.7 23.5



#34
Bis(2-ethylhexyl)phthalate
Concen: 43.366 ng
RT: 21.324 min Scan# 2432
Delta R.T. -0.000 min
Lab File: BN019767.D
Acq: 13 May 2022 12:30

Tgt Ion:149 Resp: 1095391
Ion Ratio Lower Upper
149 100
167 27.6 21.7 32.5
279 2.9 2.2 3.2

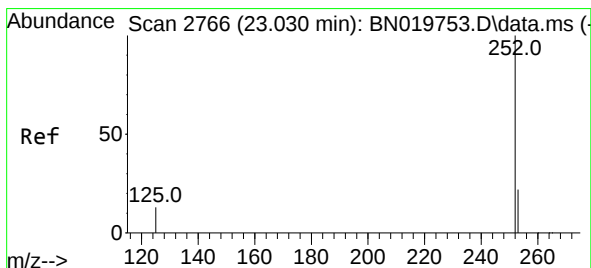
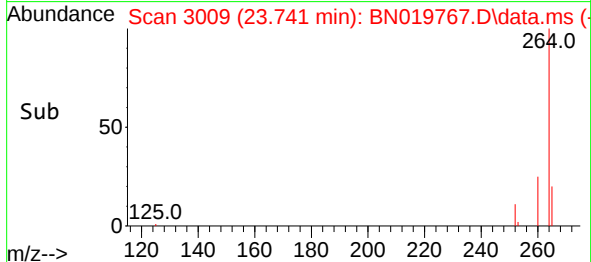
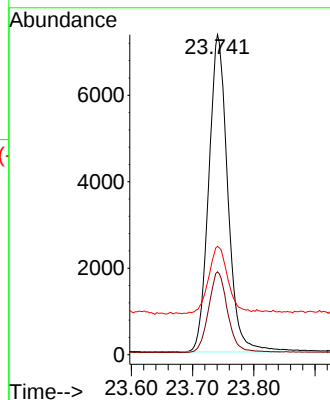
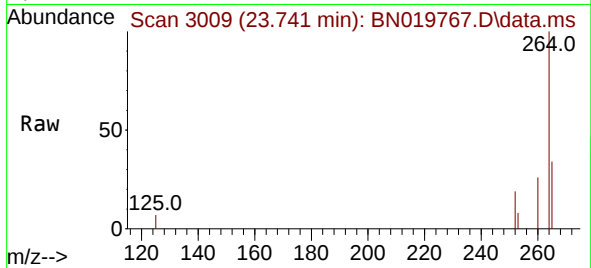




#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.741 min Scan# 3009
 Delta R.T. -0.000 min
 Lab File: BN019767.D
 Acq: 13 May 2022 12:30

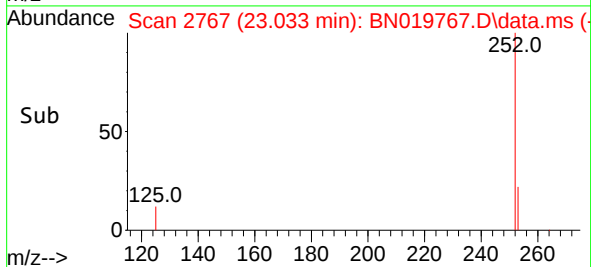
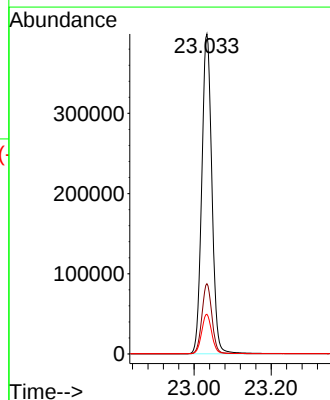
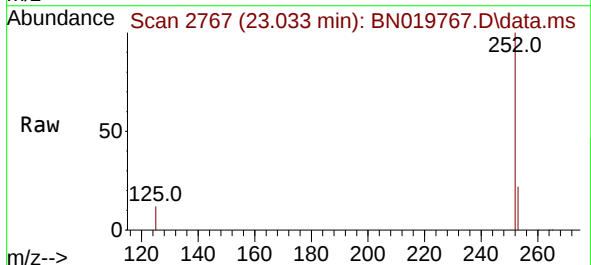
Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOILD

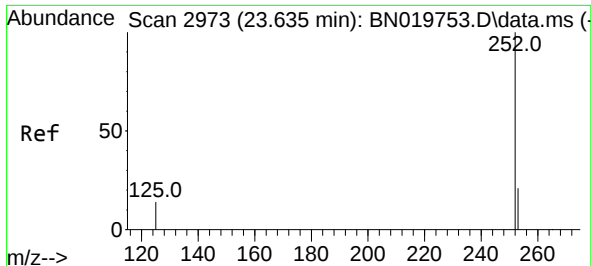
Tgt Ion:264 Resp: 15796
 Ion Ratio Lower Upper
 264 100
 260 25.9 20.9 31.3
 265 33.9 28.0 42.0



#37
 Benzo(b)fluoranthene
 Concen: 10.553 ng
 RT: 23.033 min Scan# 2767
 Delta R.T. -0.003 min
 Lab File: BN019767.D
 Acq: 13 May 2022 12:30

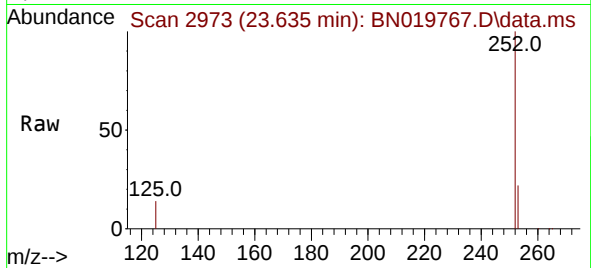
Tgt Ion:252 Resp: 727603
 Ion Ratio Lower Upper
 252 100
 253 22.0 18.5 27.7
 125 12.4 11.4 17.0



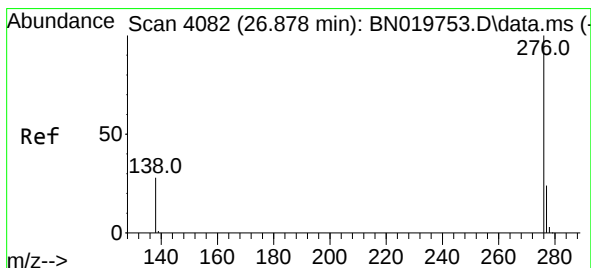
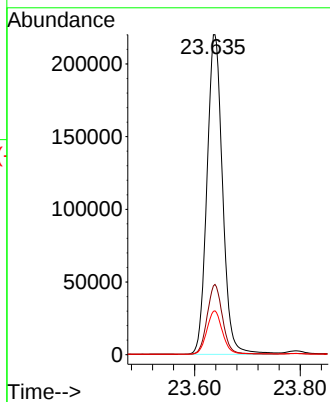
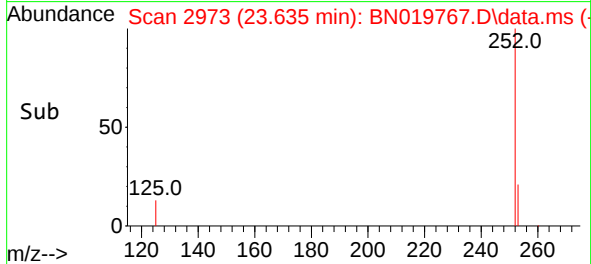


#39
Benzo(a)pyrene
Concen: 8.323 ng
RT: 23.635 min Scan# 2973
Delta R.T. -0.006 min
Lab File: BN019767.D
Acq: 13 May 2022 12:30

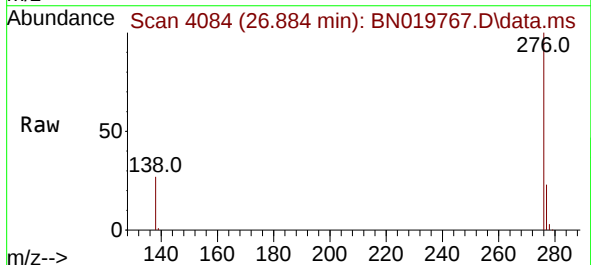
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILDL



Tgt Ion:252 Resp: 451614
Ion Ratio Lower Upper
252 100
253 21.5 19.0 28.4
125 13.6 13.8 20.8#



#41
Benzo(g,h,i)perylene
Concen: 6.140 ng
RT: 26.884 min Scan# 4084
Delta R.T. -0.003 min
Lab File: BN019767.D
Acq: 13 May 2022 12:30



Tgt Ion:276 Resp: 376500
Ion Ratio Lower Upper
276 100
277 23.3 19.5 29.3
138 27.5 22.6 34.0

