

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012622\
 Data File : BN018480.D
 Acq On : 26 Jan 2022 17:50
 Operator : CG/JU
 Sample : N1245-10DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SB-5(3.5-4)DL

Quant Time: Jan 27 05:35:52 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN012422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 24 18:25:49 2022
 Response via : Initial Calibration

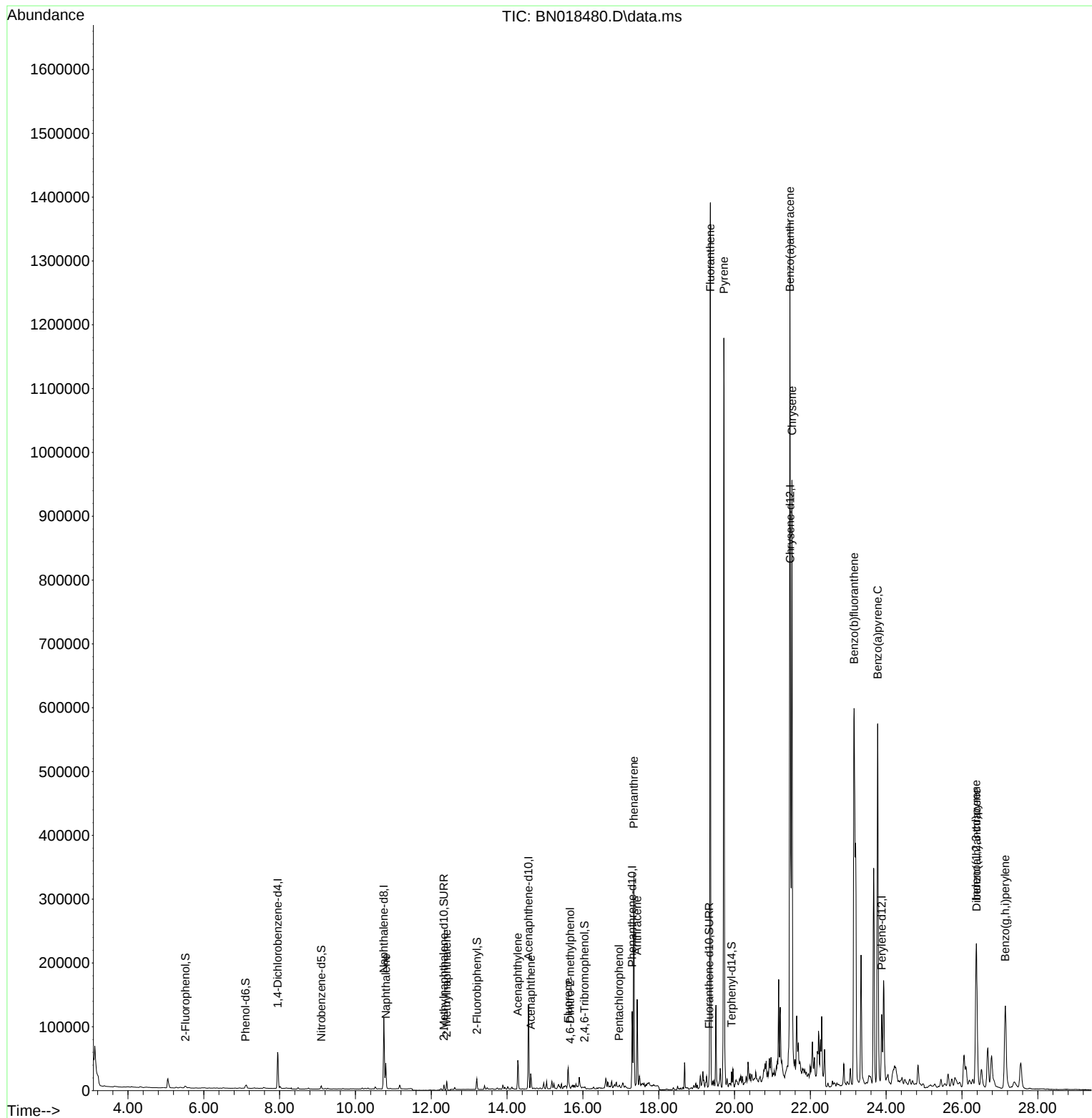
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.947	152	34528	0.400	ng	-0.02
7) Naphthalene-d8	10.749	136	151259	0.400	ng	#-0.01
13) Acenaphthene-d10	14.561	164	86992	0.400	ng	-0.01
19) Phenanthrene-d10	17.298	188	170015	0.400	ng	#-0.01
29) Chrysene-d12	21.472	240	156341	0.400	ng	#-0.02
35) Perylene-d12	23.882	264	149550	0.400	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.513	112	4289	0.050	ng	0.00
5) Phenol-d6	7.098	99	4251	0.046	ng	0.00
8) Nitrobenzene-d5	9.101	82	4730	0.054	ng	-0.01
11) 2-Methylnaphthalene-d10	12.336	152	10867	0.043	ng	-0.01
14) 2,4,6-Tribromophenol	16.044	330	1395	0.053	ng	-0.01
15) 2-Fluorobiphenyl	13.203	172	15187	0.049	ng	-0.01
27) Fluoranthene-d10	19.331	212	20443	0.040	ng	0.00
31) Terphenyl-d14	19.922	244	17004	0.035	ng	-0.01
Target Compounds						
9) Naphthalene	10.800	128	51075	0.139	ng	99
12) 2-Methylnaphthalene	12.407	142	11076	0.043	ng	99
16) Acenaphthylene	14.282	152	54742	0.170	ng	99
17) Acenaphthene	14.624	154	12056	0.052	ng	97
18) Fluorene	15.614	166	21555	0.078	ng	# 94
20) 4,6-Dinitro-2-methylph...	15.664	198	14	0.073	ng	# 1
24) Pentachlorophenol	16.957	266	140	0.191	ng	99
25) Phenanthrene	17.346	178	349265	0.774	ng	99
26) Anthracene	17.431	178	141890	0.372	ng	99
28) Fluoranthene	19.361	202	1240276	2.515	ng	# 97
30) Pyrene	19.718	202	1081396	1.621	ng	# 94
32) Benzo(a)anthracene	21.461	228	1090317	2.202	ng	96
33) Chrysene	21.514	228	859395	1.755	ng	97
36) Indeno(1,2,3-cd)pyrene	26.377	276	377568	1.420	ng	97
37) Benzo(b)fluoranthene	23.153	252	1127203	2.092	ng	# 97
39) Benzo(a)pyrene	23.776	252	840086	2.131	ng	# 97
40) Dibenzo(a,h)anthracene	26.387	278	111270	0.611	ng	# 89
41) Benzo(g,h,i)perylene	27.144	276	298056	1.102	ng	# 94

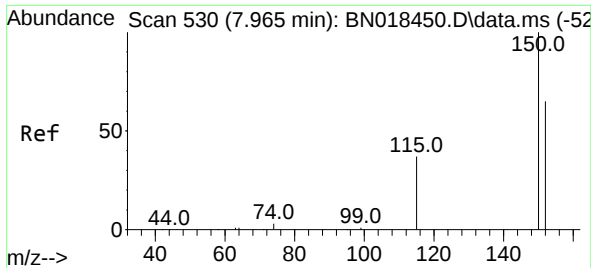
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-5(3.5-4)DL

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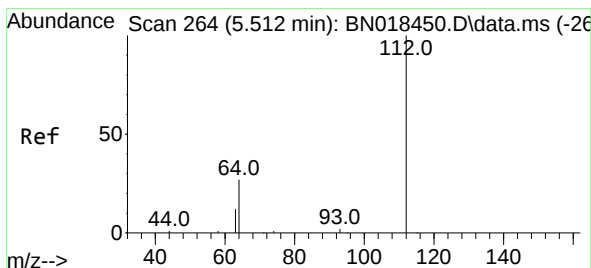
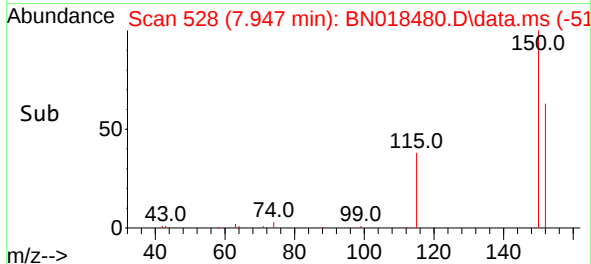
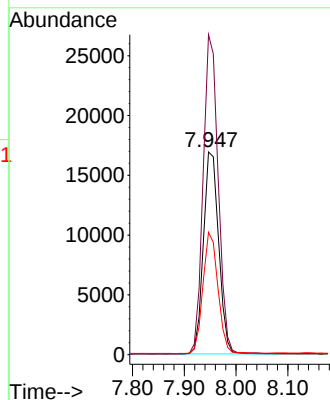
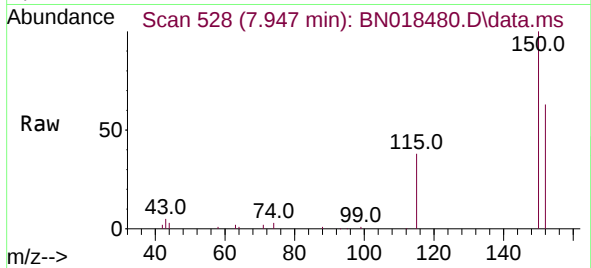




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.947 min Scan# 51
Delta R.T. -0.018 min
Lab File: BN018480.D
Acq: 26 Jan 2022 17:50

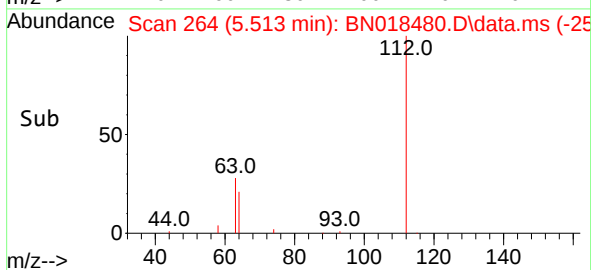
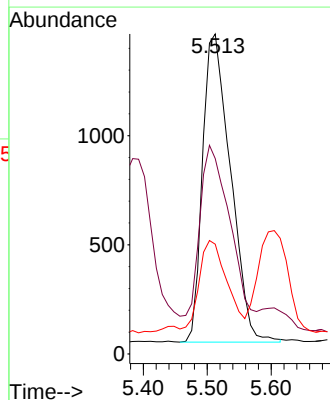
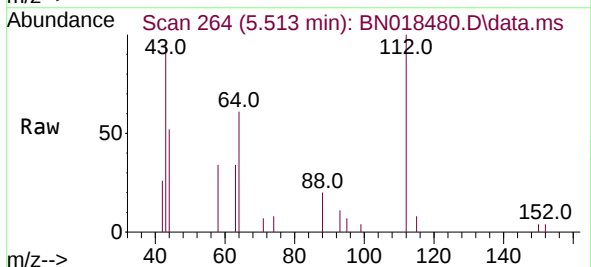
Instrument :
BNA_N
ClientSampleId :
SB-5(3.5-4)DL

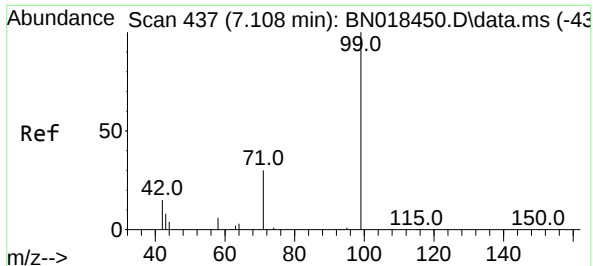
Tgt Ion:152 Resp: 34528
Ion Ratio Lower Upper
152 100
150 157.9 121.7 182.5
115 60.4 43.8 65.8



#4
2-Fluorophenol
Concen: 0.050 ng
RT: 5.513 min Scan# 264
Delta R.T. 0.000 min
Lab File: BN018480.D
Acq: 26 Jan 2022 17:50

Tgt Ion:112 Resp: 4289
Ion Ratio Lower Upper
112 100
64 56.6 48.0 72.0
63 30.0 25.3 37.9

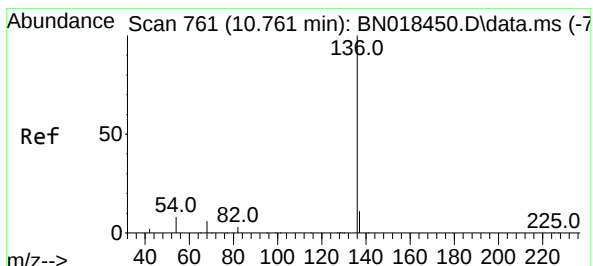
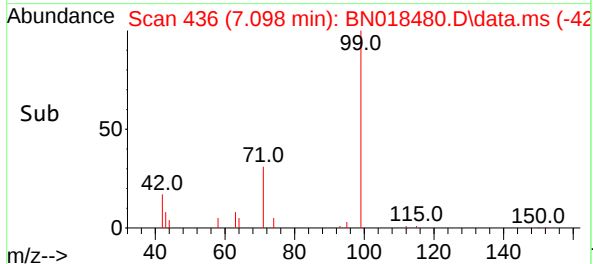
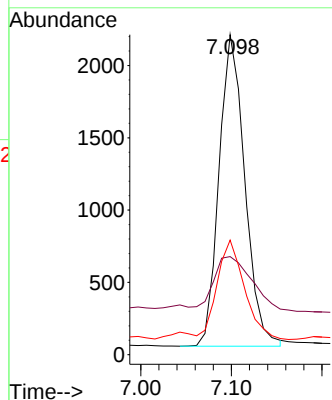
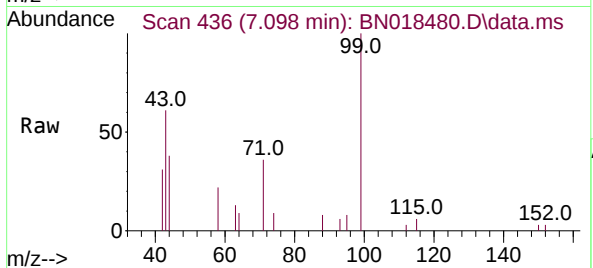




#5
Phenol-d6
Concen: 0.046 ng
RT: 7.098 min Scan# 41
Delta R.T. -0.009 min
Lab File: BN018480.D
Acq: 26 Jan 2022 17:50

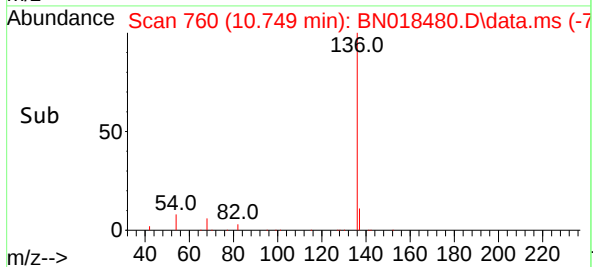
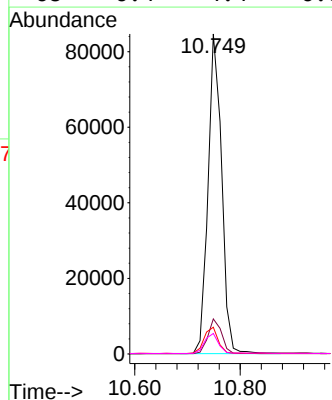
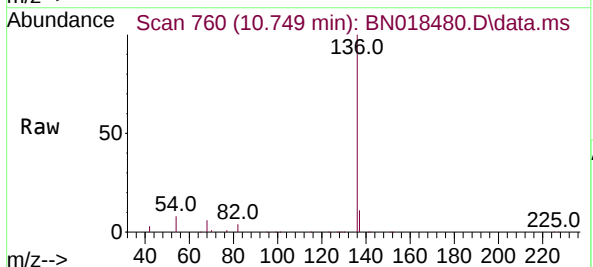
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ClientSampleId :
SB-5(3.5-4)DL

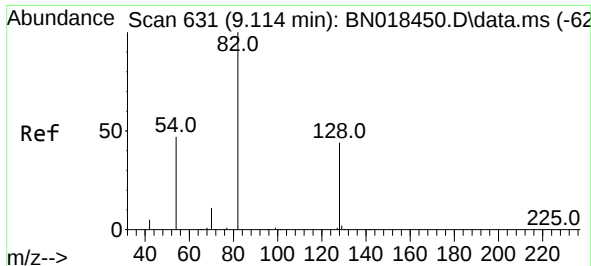
Tgt Ion: 99 Resp: 4251
Ion Ratio Lower Upper
99 100
42 23.9 16.3 24.5
71 33.2 26.8 40.2



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.749 min Scan# 760
Delta R.T. -0.013 min
Lab File: BN018480.D
Acq: 26 Jan 2022 17:50

Tgt Ion: 136 Resp: 151259
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 8.4 5.0 7.6#
68 6.4 4.4 6.6

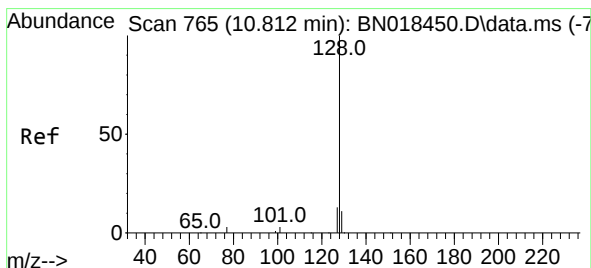
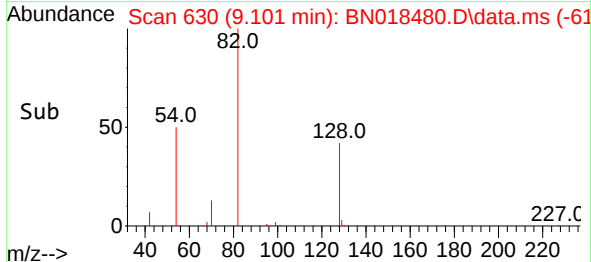
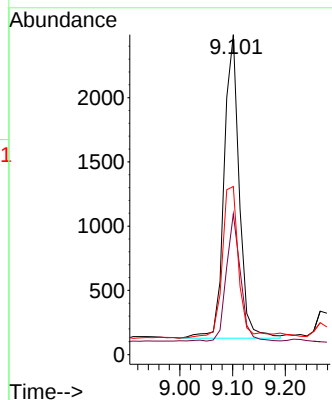
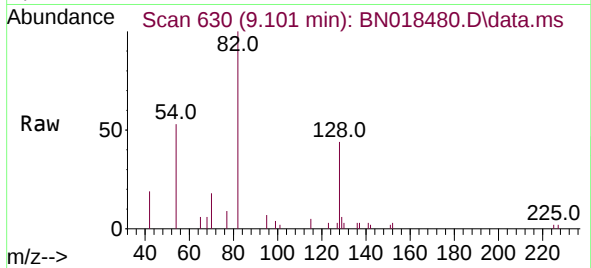




#8
Nitrobenzene-d5
Concen: 0.054 ng
RT: 9.101 min Scan# 61
Delta R.T. -0.013 min
Lab File: BN018480.D
Acq: 26 Jan 2022 17:50

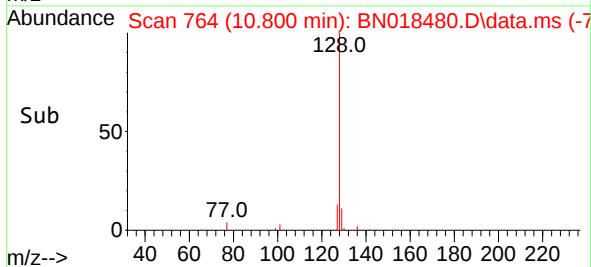
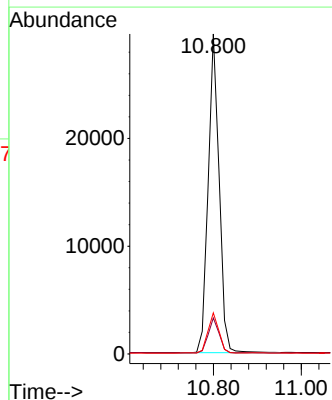
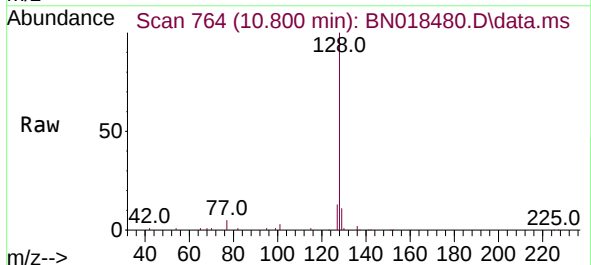
Instrument :
BNA_N
ClientSampleId :
SB-5(3.5-4)DL

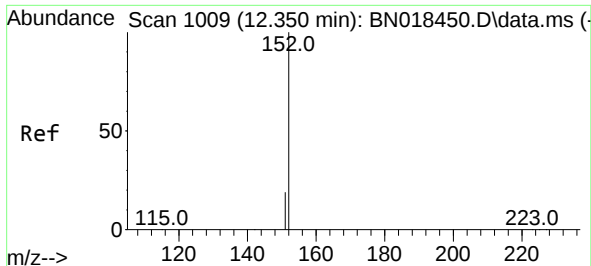
Tgt Ion: 82 Resp: 4730
Ion Ratio Lower Upper
82 100
128 44.0 33.7 50.5
54 52.6 36.6 55.0



#9
Naphthalene
Concen: 0.139 ng
RT: 10.800 min Scan# 764
Delta R.T. -0.013 min
Lab File: BN018480.D
Acq: 26 Jan 2022 17:50

Tgt Ion: 128 Resp: 51075
Ion Ratio Lower Upper
128 100
129 11.2 8.7 13.1
127 12.9 10.4 15.6

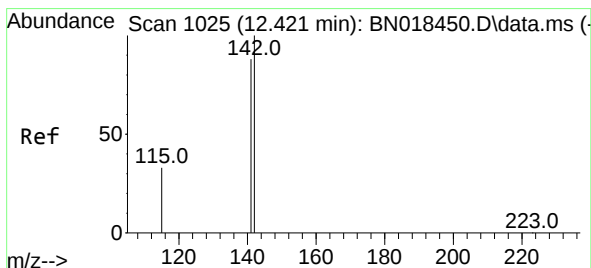
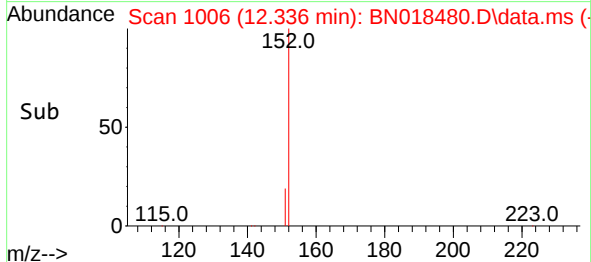
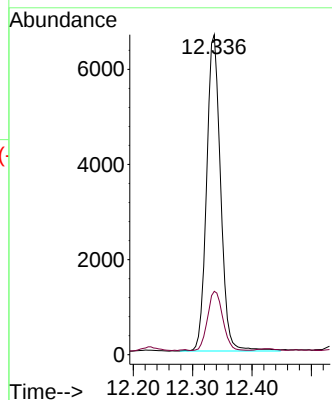
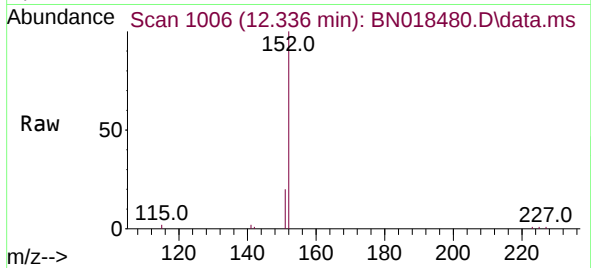




#11
2-Methylnaphthalene-d10
Concen: 0.043 ng
RT: 12.336 min Scan# 1006
Delta R.T. -0.013 min
Lab File: BN018480.D
Acq: 26 Jan 2022 17:50

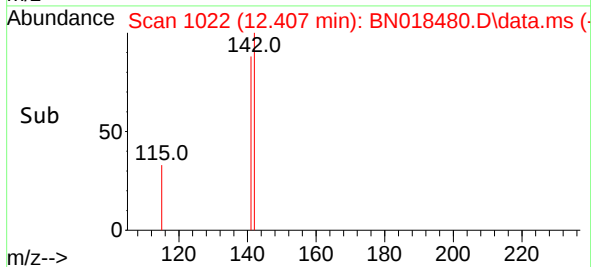
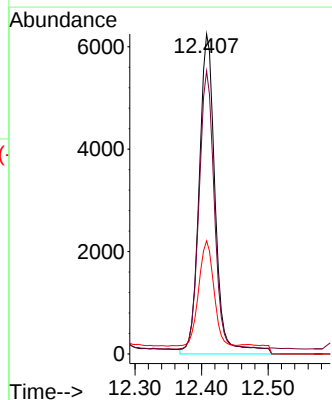
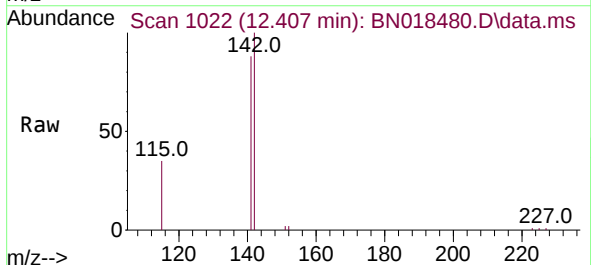
Instrument :
BNA_N
ClientSampleId :
SB-5(3.5-4)DL

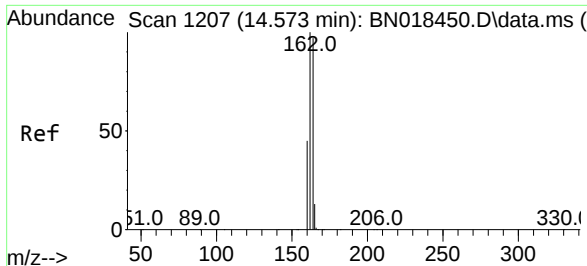
Tgt Ion:152 Resp: 10867
Ion Ratio Lower Upper
152 100
151 20.3 16.2 24.2



#12
2-Methylnaphthalene
Concen: 0.043 ng
RT: 12.407 min Scan# 1022
Delta R.T. -0.013 min
Lab File: BN018480.D
Acq: 26 Jan 2022 17:50

Tgt Ion:142 Resp: 11076
Ion Ratio Lower Upper
142 100
141 88.4 70.0 105.0
115 35.3 27.8 41.8

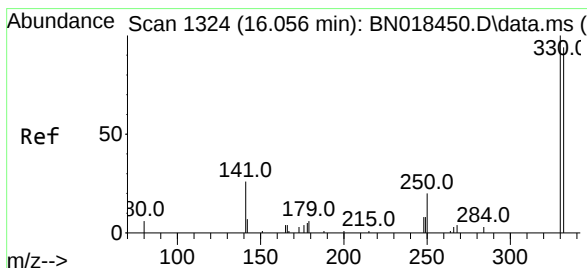
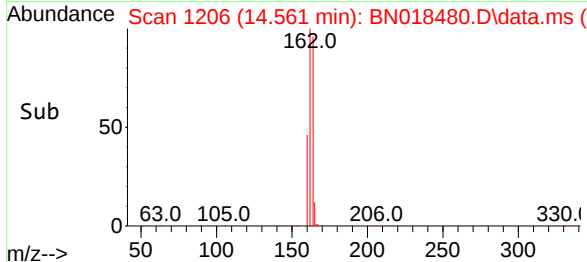
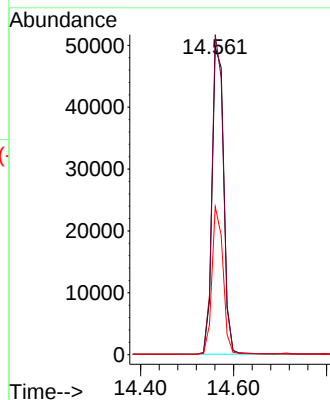
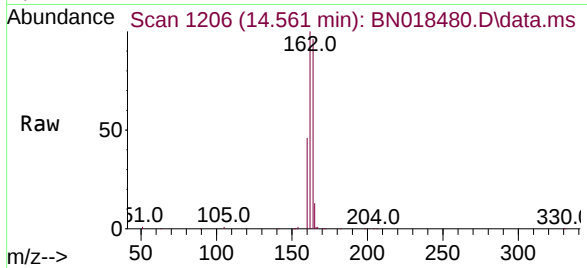




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.561 min Scan# 11
Delta R.T. -0.012 min
Lab File: BN018480.D
Acq: 26 Jan 2022 17:50

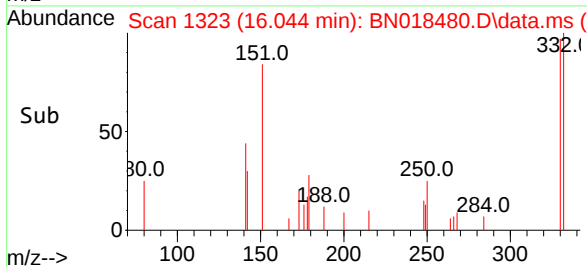
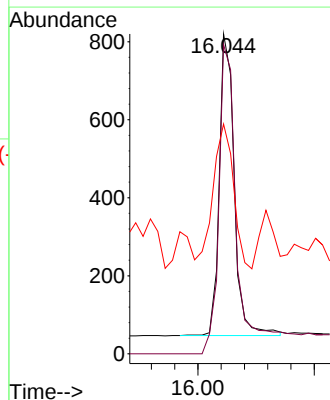
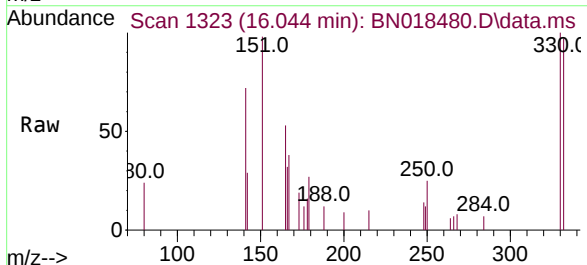
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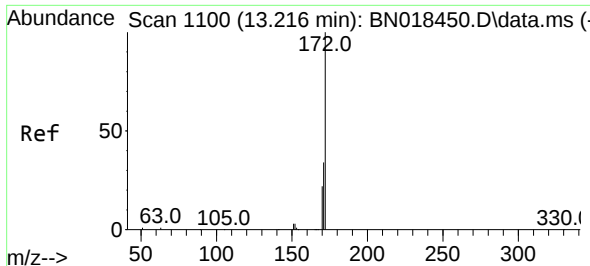
Tgt Ion:164 Resp: 86992
Ion Ratio Lower Upper
164 100
162 104.0 80.2 120.2
160 48.1 36.9 55.3



#14
2,4,6-Tribromophenol
Concen: 0.053 ng
RT: 16.044 min Scan# 1323
Delta R.T. -0.012 min
Lab File: BN018480.D
Acq: 26 Jan 2022 17:50

Tgt Ion:330 Resp: 1395
Ion Ratio Lower Upper
330 100
332 121.5 0.0 0.0#
141 65.4 21.3 31.9#

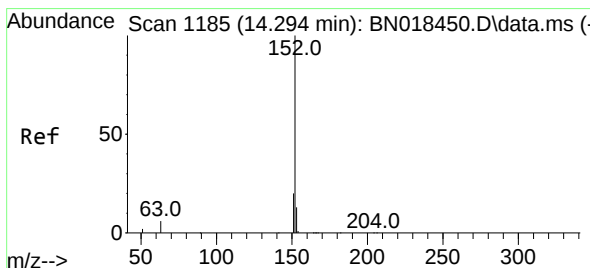
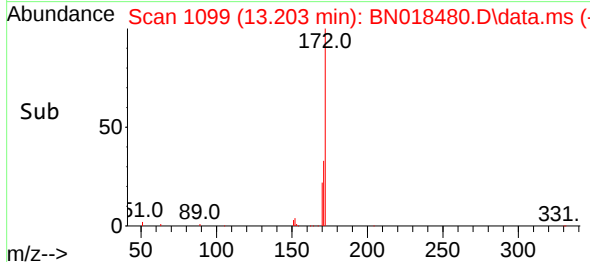
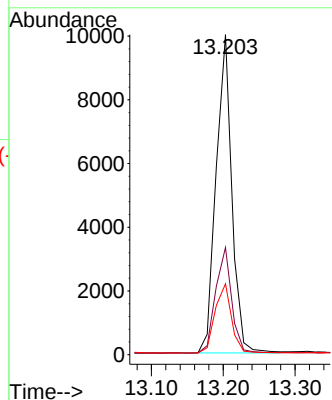
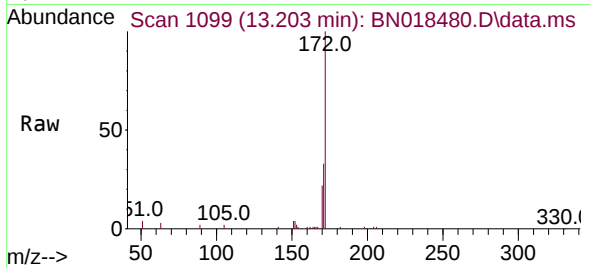




#15
2-Fluorobiphenyl
Concen: 0.049 ng
RT: 13.203 min Scan# 1099
Delta R.T. -0.013 min
Lab File: BN018480.D
Acq: 26 Jan 2022 17:50

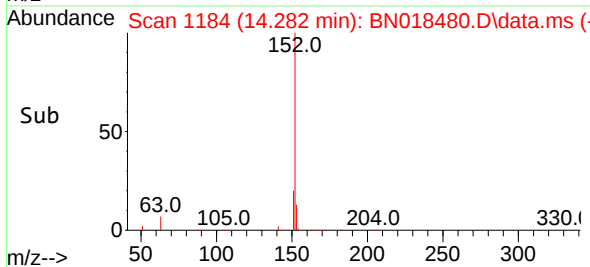
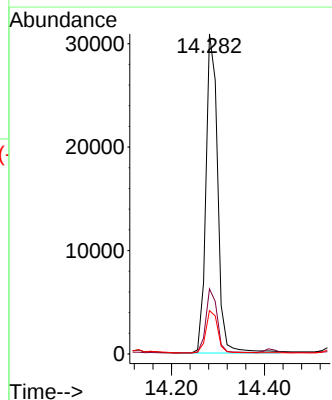
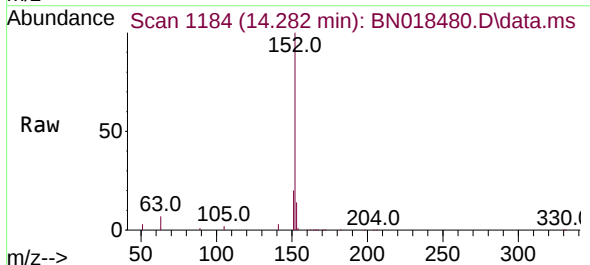
Instrument :
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ClientSampleId :
SB-5(3.5-4)DL

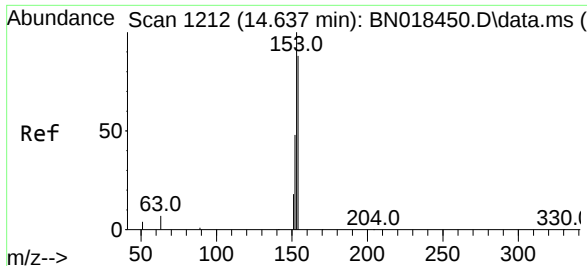
Tgt Ion:172 Resp: 15187
Ion Ratio Lower Upper
172 100
171 33.5 27.4 41.0
170 22.1 18.4 27.6



#16
Acenaphthylene
Concen: 0.170 ng
RT: 14.282 min Scan# 1184
Delta R.T. -0.013 min
Lab File: BN018480.D
Acq: 26 Jan 2022 17:50

Tgt Ion:152 Resp: 54742
Ion Ratio Lower Upper
152 100
151 19.5 15.8 23.6
153 13.4 10.5 15.7

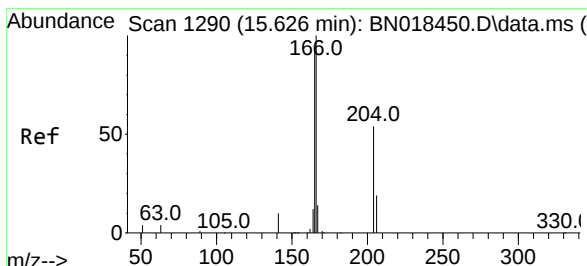
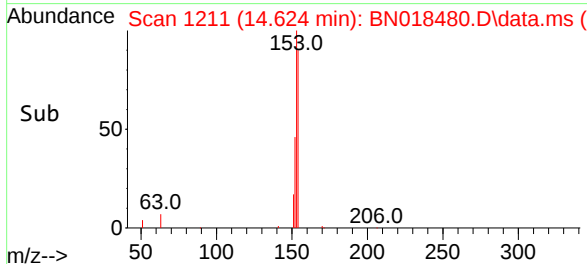
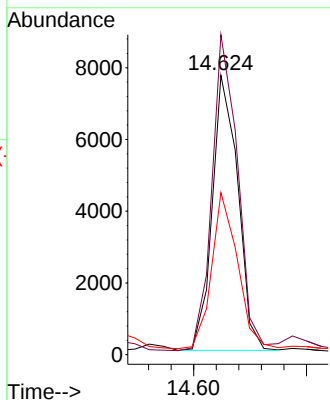
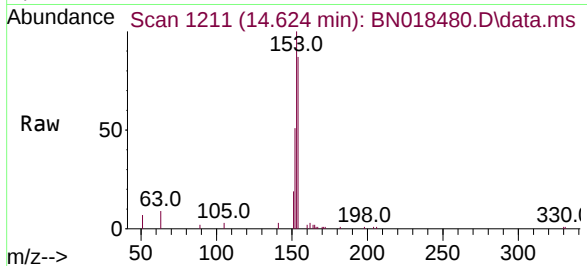




#17
Acenaphthene
Concen: 0.052 ng
RT: 14.624 min Scan# 1211
Delta R.T. -0.013 min
Lab File: BN018480.D
Acq: 26 Jan 2022 17:50

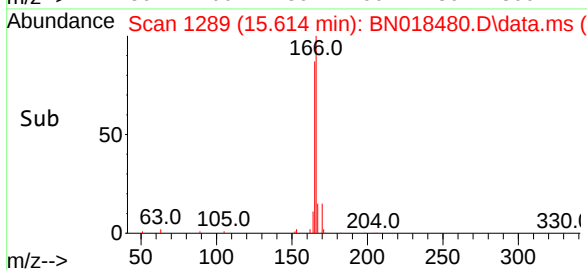
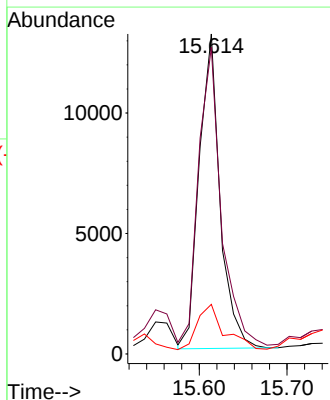
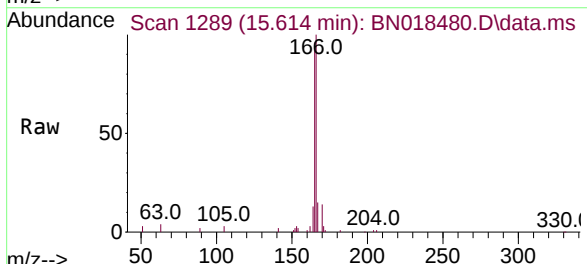
Instrument :
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SB-5(3.5-4)DL

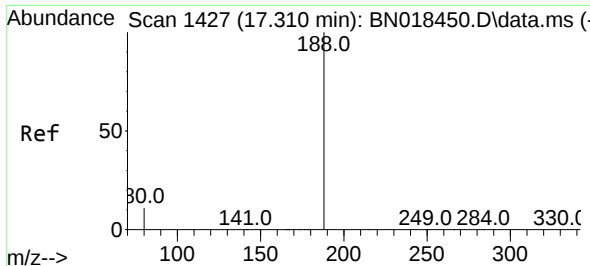
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Ion Ratio Lower Upper
154 100
153 116.5 90.9 136.3
152 58.9 45.0 67.4



#18
Fluorene
Concen: 0.078 ng
RT: 15.614 min Scan# 1289
Delta R.T. -0.013 min
Lab File: BN018480.D
Acq: 26 Jan 2022 17:50

Tgt Ion:166 Resp: 21555
Ion Ratio Lower Upper
166 100
165 102.6 77.8 116.6
167 18.5 10.9 16.3#

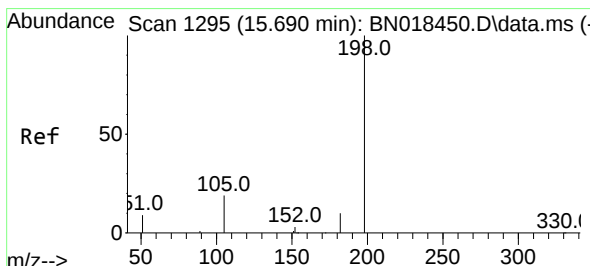
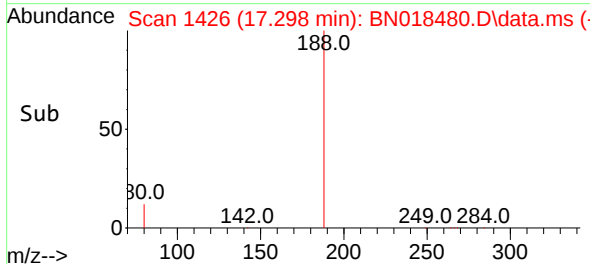
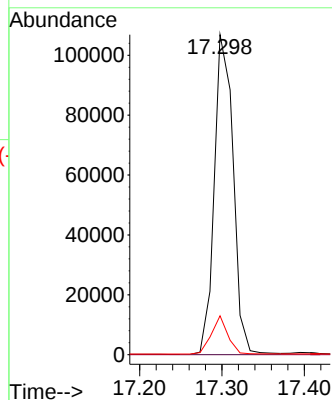
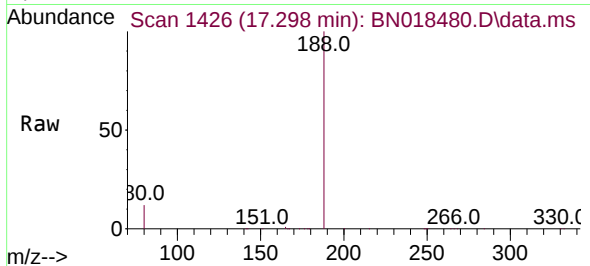




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.298 min Scan# 1427
Delta R.T. -0.012 min
Lab File: BN018480.D
Acq: 26 Jan 2022 17:50

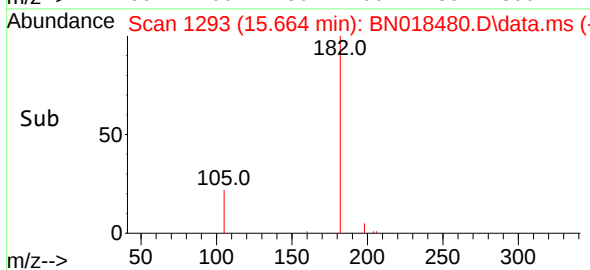
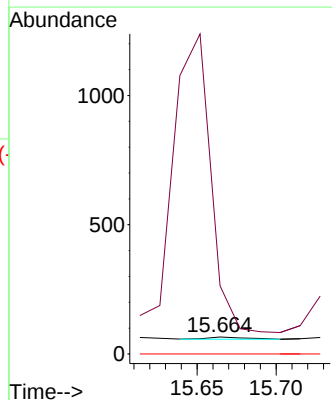
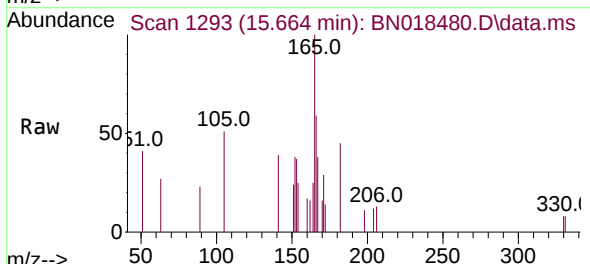
Instrument :
BNA_N
ClientSampleId :
SB-5(3.5-4)DL

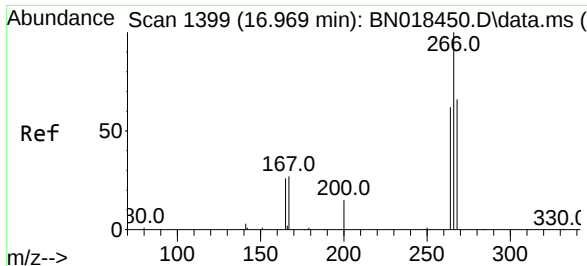
Tgt Ion:188 Resp: 170015
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.2 7.0 10.4#



#20
4,6-Dinitro-2-methylphenol
Concen: 0.073 ng
RT: 15.664 min Scan# 1293
Delta R.T. -0.026 min
Lab File: BN018480.D
Acq: 26 Jan 2022 17:50

Tgt Ion:198 Resp: 14
Ion Ratio Lower Upper
198 100
182 400.0 15.5 23.3#
77 0.0 0.0 0.0

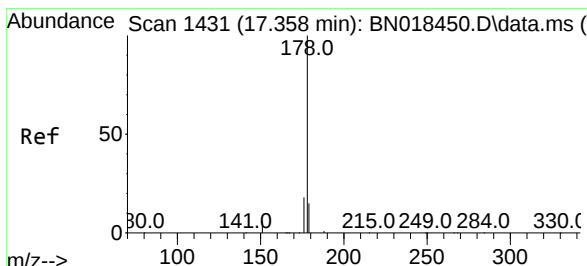
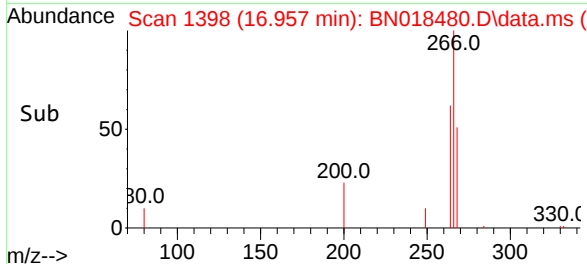
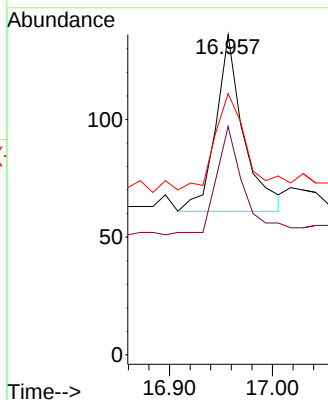
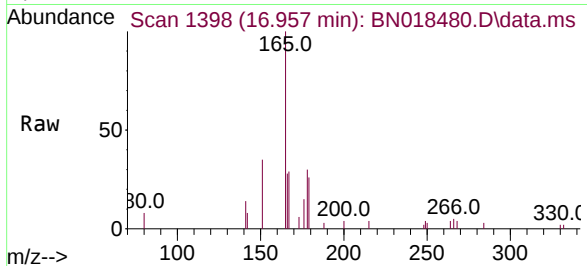




#24
 Pentachlorophenol
 Concen: 0.191 ng
 RT: 16.957 min Scan# 1398
 Delta R.T. -0.012 min
 Lab File: BN018480.D
 Acq: 26 Jan 2022 17:50

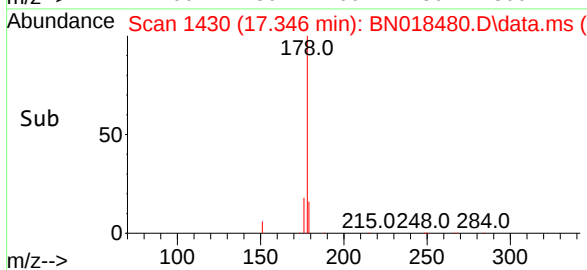
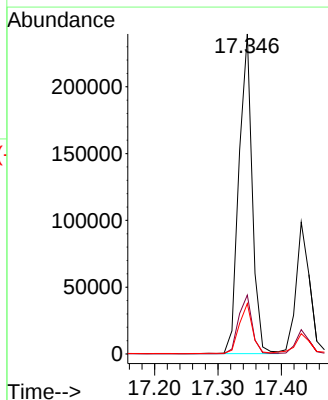
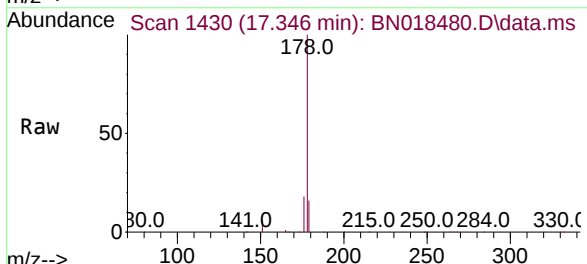
Instrument :
 BNA_N
 ClientSampleId :
 SB-5(3.5-4)DL

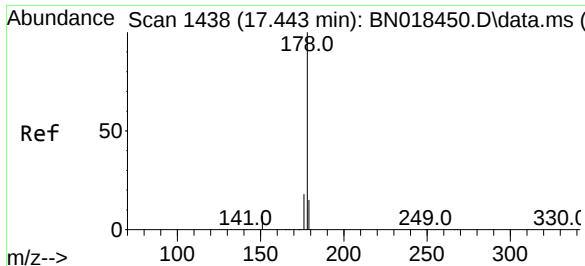
Tgt Ion:266	Resp:	140
Ion Ratio	Lower	Upper
266	100	
264	62.9	49.5 74.3
268	62.9	50.6 76.0



#25
 Phenanthrene
 Concen: 0.774 ng
 RT: 17.346 min Scan# 1430
 Delta R.T. -0.012 min
 Lab File: BN018480.D
 Acq: 26 Jan 2022 17:50

Tgt Ion:178	Resp:	349265
Ion Ratio	Lower	Upper
178	100	
176	18.7	15.3 22.9
179	15.7	12.3 18.5

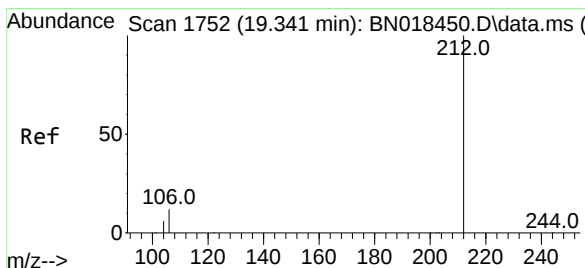
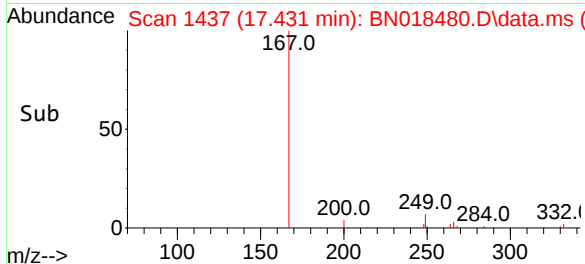
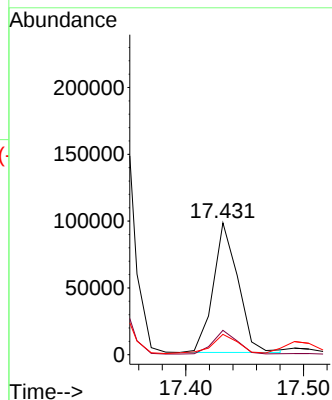
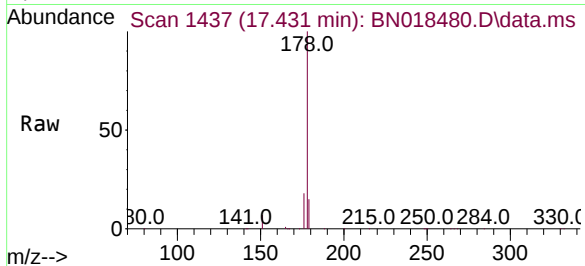




#26
 Anthracene
 Concen: 0.372 ng
 RT: 17.431 min Scan# 1437
 Delta R.T. -0.012 min
 Lab File: BN018480.D
 Acq: 26 Jan 2022 17:50

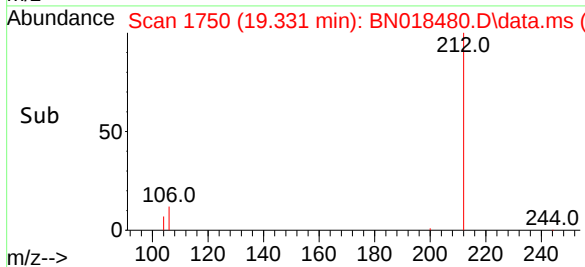
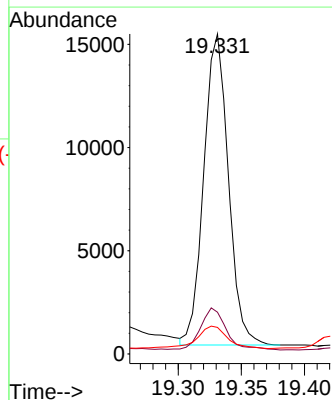
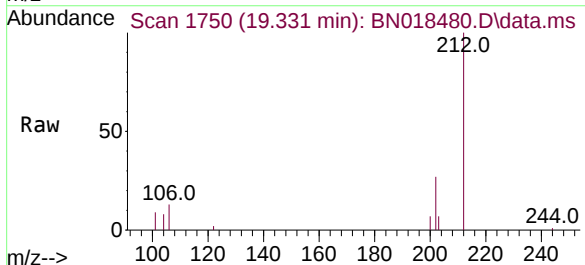
Instrument :
 BNA_N
 ClientSampleId :
 SB-5(3.5-4)DL

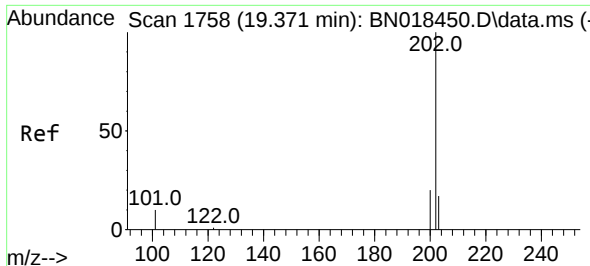
Tgt Ion:178 Resp: 141890
 Ion Ratio Lower Upper
 178 100
 176 18.1 14.8 22.2
 179 15.6 12.2 18.4



#27
 Fluoranthene-d10
 Concen: 0.040 ng
 RT: 19.331 min Scan# 1750
 Delta R.T. -0.010 min
 Lab File: BN018480.D
 Acq: 26 Jan 2022 17:50

Tgt Ion:212 Resp: 20443
 Ion Ratio Lower Upper
 212 100
 106 14.0 8.4 12.6#
 104 9.0 4.5 6.7#

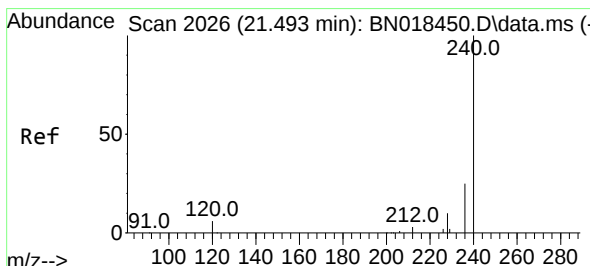
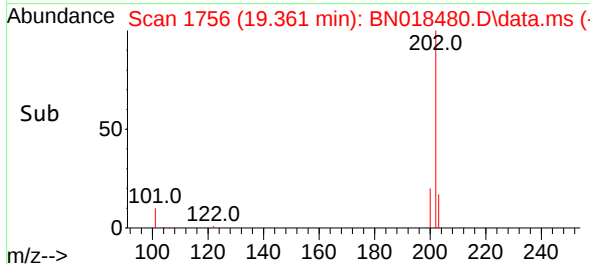
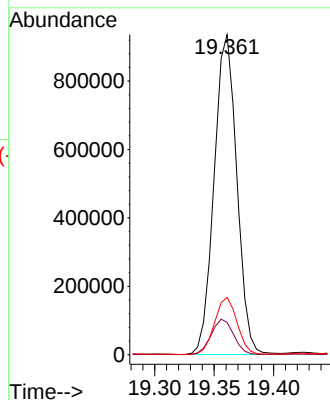
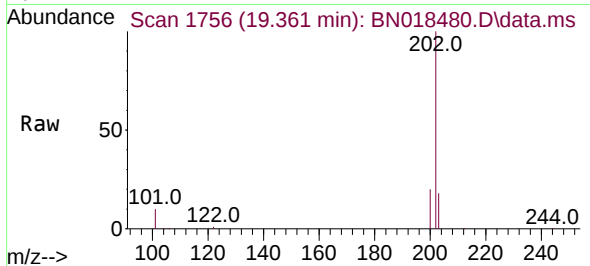




#28
Fluoranthene
Concen: 2.515 ng
RT: 19.361 min Scan# 1756
Delta R.T. -0.010 min
Lab File: BN018480.D
Acq: 26 Jan 2022 17:50

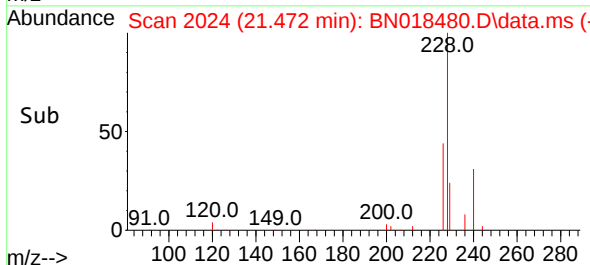
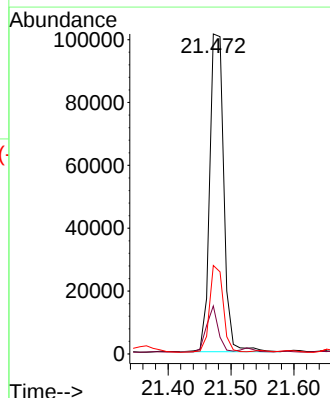
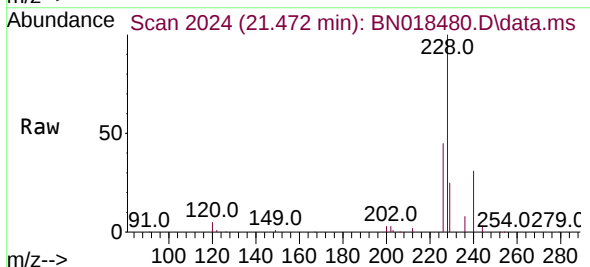
Instrument :
BNA_N
ClientSampleId :
SB-5(3.5-4)DL

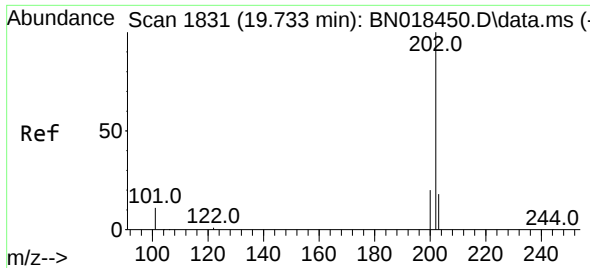
Tgt Ion:202 Resp: 1240276
Ion Ratio Lower Upper
202 100
101 11.0 7.2 10.8#
203 17.7 13.7 20.5



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.472 min Scan# 2024
Delta R.T. -0.021 min
Lab File: BN018480.D
Acq: 26 Jan 2022 17:50

Tgt Ion:240 Resp: 156341
Ion Ratio Lower Upper
240 100
120 15.0 6.0 9.0#
236 27.7 21.4 32.2

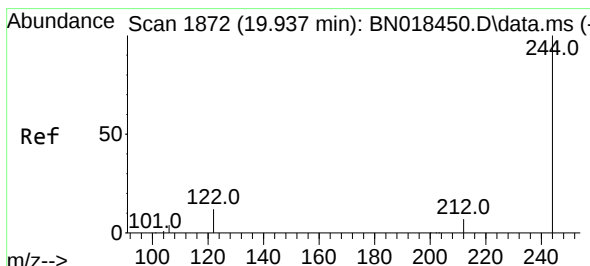
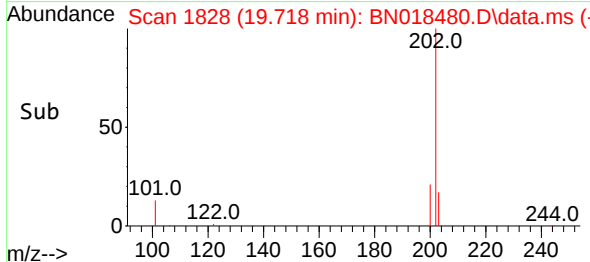
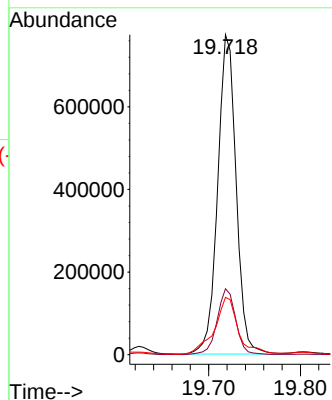
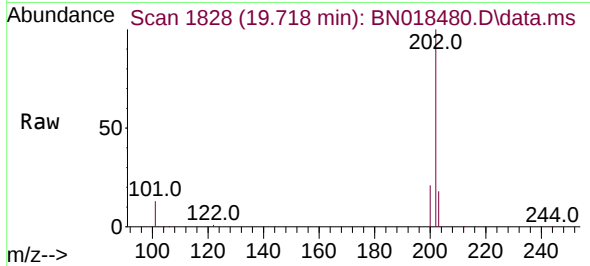




#30
Pyrene
Concen: 1.621 ng
RT: 19.718 min Scan# 1869
Delta R.T. -0.015 min
Lab File: BN018480.D
Acq: 26 Jan 2022 17:50

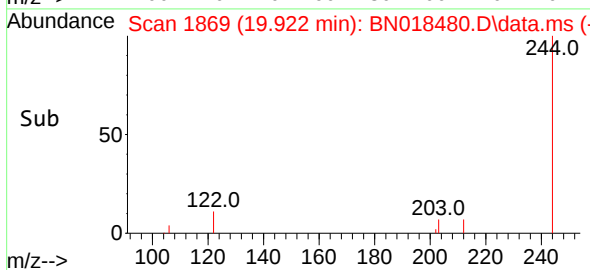
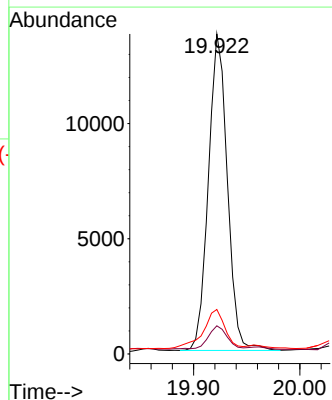
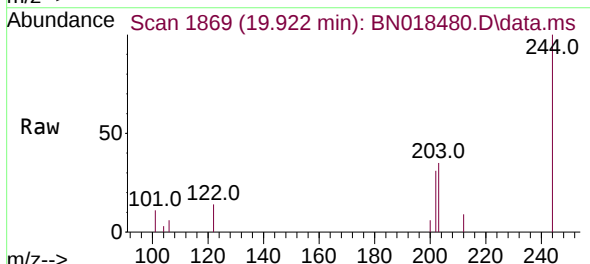
Instrument :
BNA_N
ClientSampleId :
SB-5(3.5-4)DL

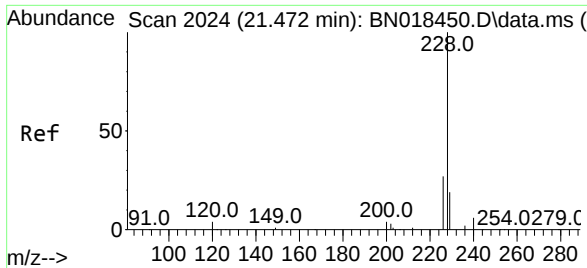
Tgt Ion:202 Resp: 1081396
Ion Ratio Lower Upper
202 100
200 20.6 16.6 25.0
203 22.7 14.1 21.1#



#31
Terphenyl-d14
Concen: 0.035 ng
RT: 19.922 min Scan# 1869
Delta R.T. -0.015 min
Lab File: BN018480.D
Acq: 26 Jan 2022 17:50

Tgt Ion:244 Resp: 17004
Ion Ratio Lower Upper
244 100
212 8.8 6.2 9.2
122 13.9 7.9 11.9#

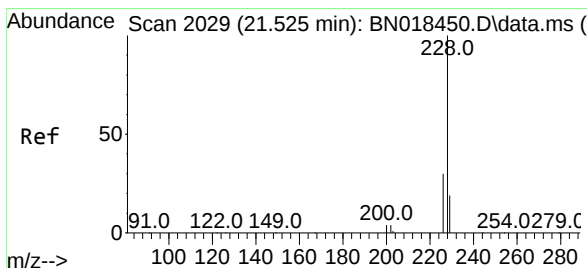
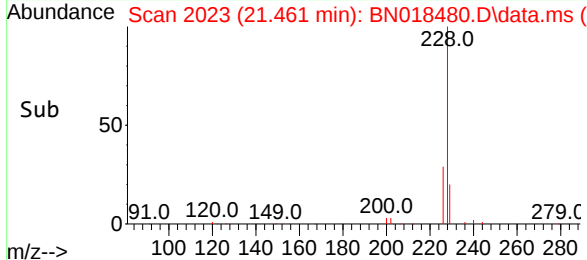
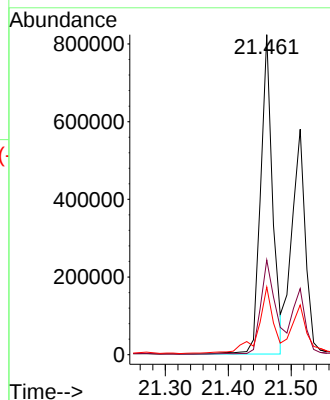
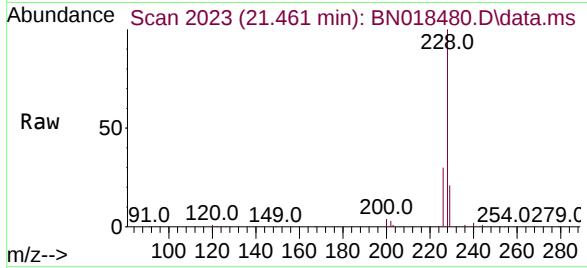




#32
Benzo(a)anthracene
Concen: 2.202 ng
RT: 21.461 min Scan# 2023
Delta R.T. -0.010 min
Lab File: BN018480.D
Acq: 26 Jan 2022 17:50

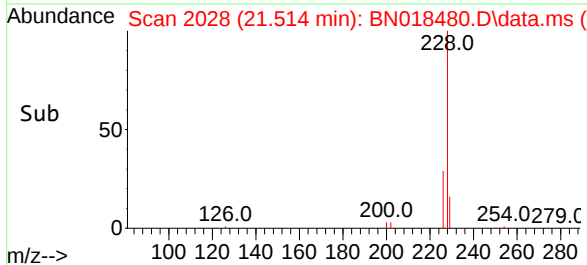
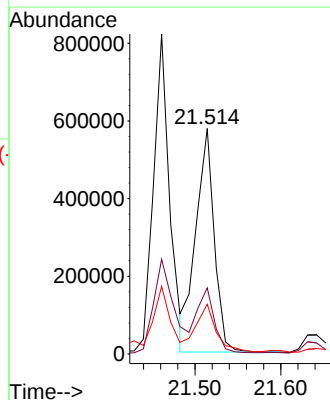
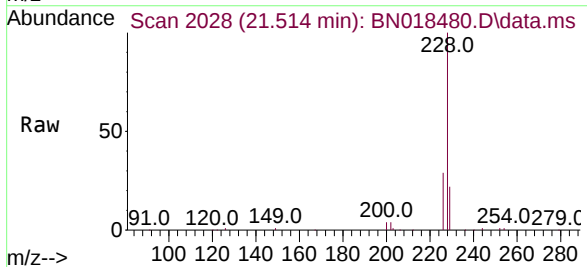
Instrument :
BNA_N
ClientSampleId :
SB-5(3.5-4)DL

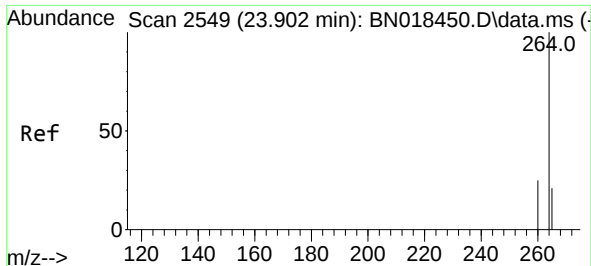
Tgt Ion:228 Resp: 1090317
Ion Ratio Lower Upper
228 100
226 29.6 21.3 31.9
229 21.2 15.9 23.9



#33
Chrysene
Concen: 1.755 ng
RT: 21.514 min Scan# 2028
Delta R.T. -0.010 min
Lab File: BN018480.D
Acq: 26 Jan 2022 17:50

Tgt Ion:228 Resp: 859395
Ion Ratio Lower Upper
228 100
226 29.3 24.2 36.4
229 22.1 15.5 23.3

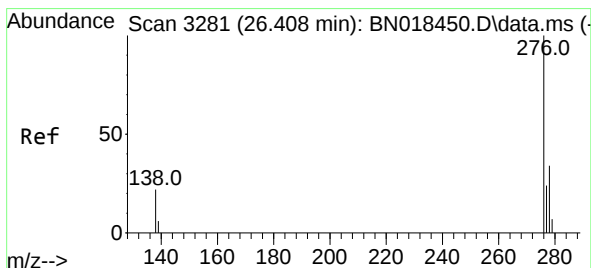
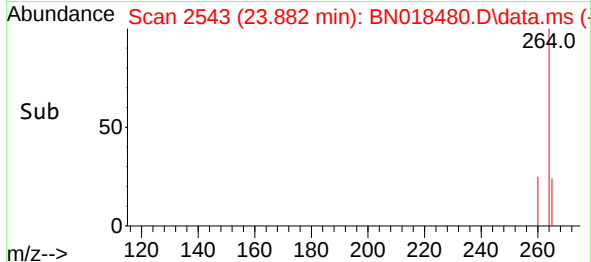
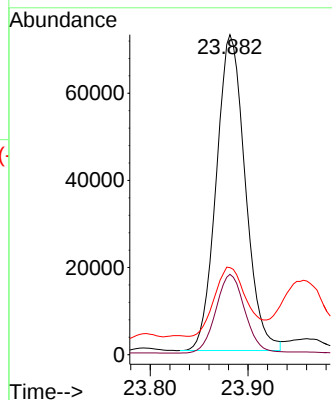
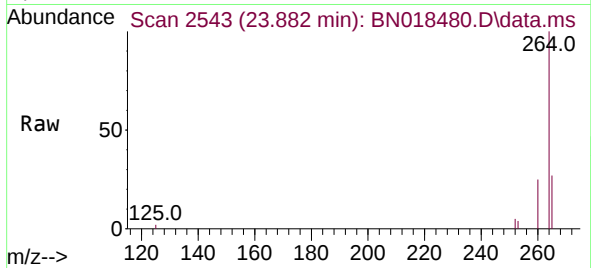




#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.882 min Scan# 21
 Delta R.T. -0.020 min
 Lab File: BN018480.D
 Acq: 26 Jan 2022 17:50

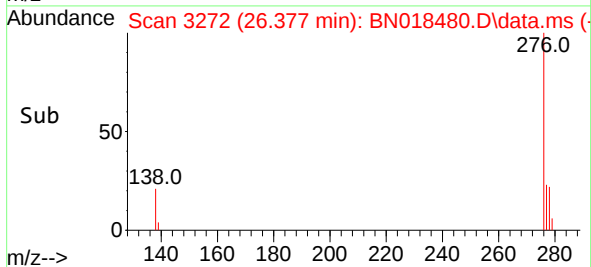
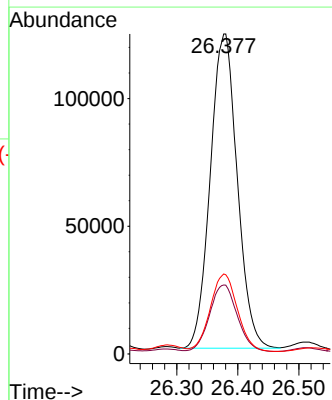
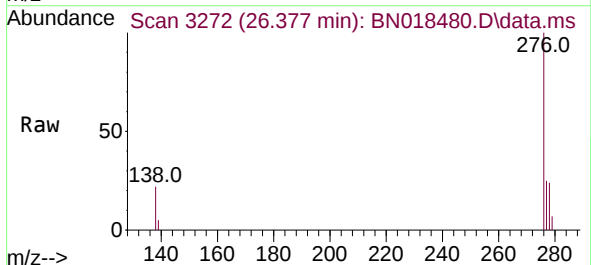
Instrument :
 BNA_N
 ClientSampleId :
 SB-5(3.5-4)DL

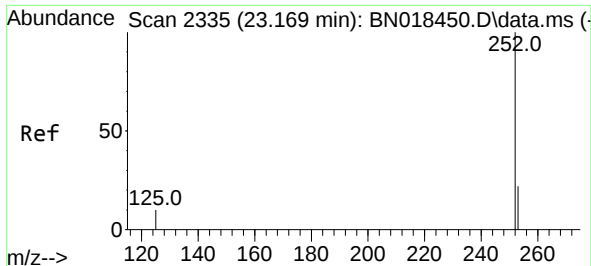
Tgt Ion:264 Resp: 149550
 Ion Ratio Lower Upper
 264 100
 260 25.1 20.2 30.4
 265 27.2 18.2 27.2



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 1.420 ng
 RT: 26.377 min Scan# 3272
 Delta R.T. -0.031 min
 Lab File: BN018480.D
 Acq: 26 Jan 2022 17:50

Tgt Ion:276 Resp: 377568
 Ion Ratio Lower Upper
 276 100
 138 21.7 14.9 22.3
 277 24.9 19.9 29.9

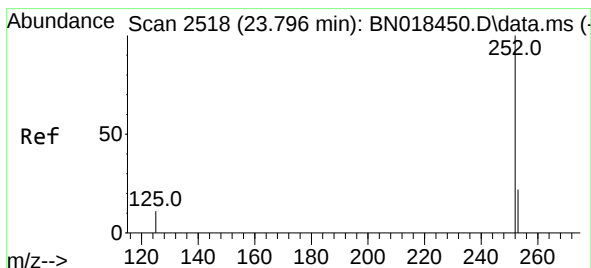
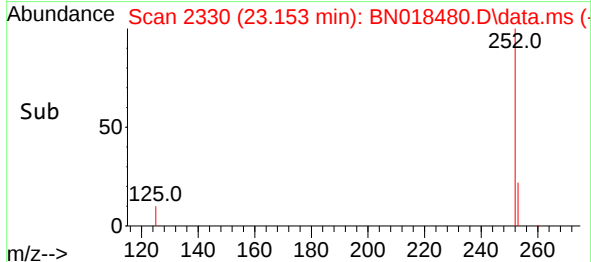
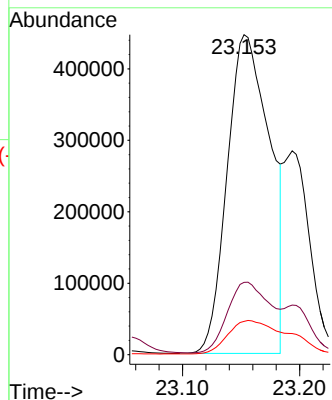
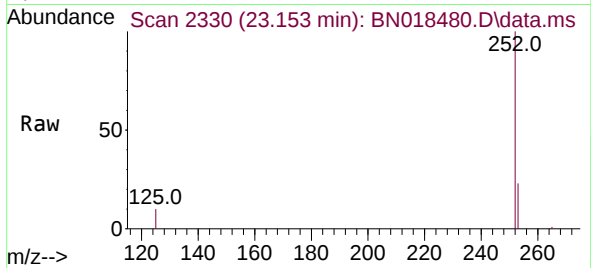




#37
Benzo(b)fluoranthene
Concen: 2.092 ng
RT: 23.153 min Scan# 211
Delta R.T. -0.017 min
Lab File: BN018480.D
Acq: 26 Jan 2022 17:50

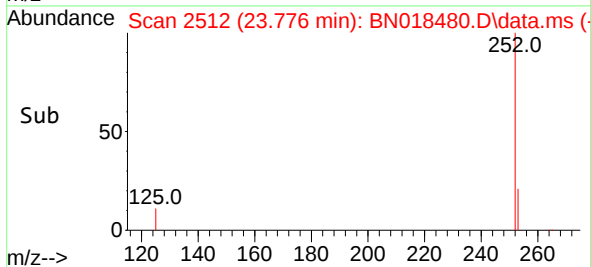
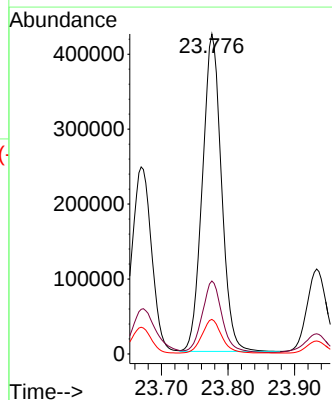
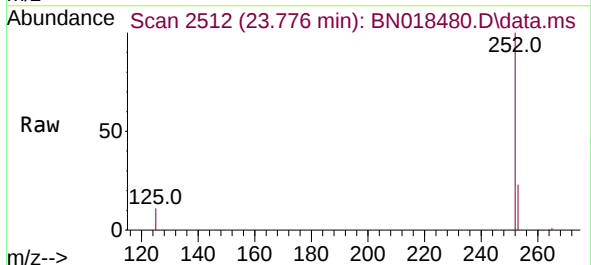
Instrument :
BNA_N
ClientSampleId :
SB-5(3.5-4)DL

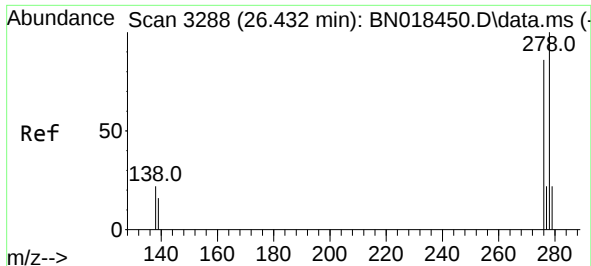
Tgt Ion:252 Resp: 1127203
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.6
125 10.4 6.0 9.0#



#39
Benzo(a)pyrene
Concen: 2.131 ng
RT: 23.776 min Scan# 2512
Delta R.T. -0.020 min
Lab File: BN018480.D
Acq: 26 Jan 2022 17:50

Tgt Ion:252 Resp: 840086
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.6
125 10.8 7.0 10.4#

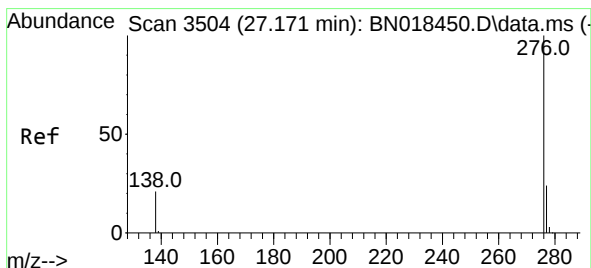
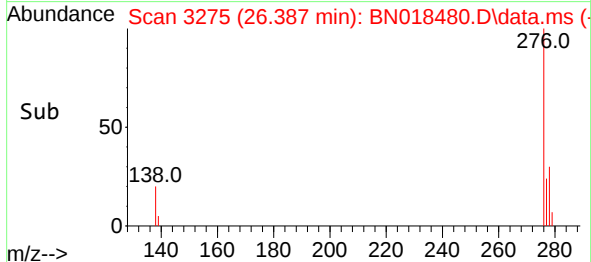
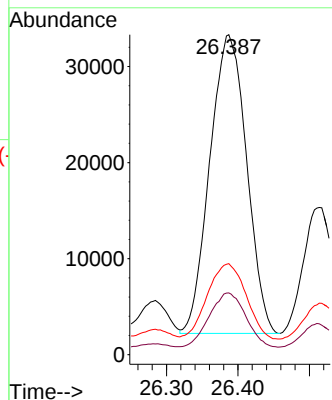
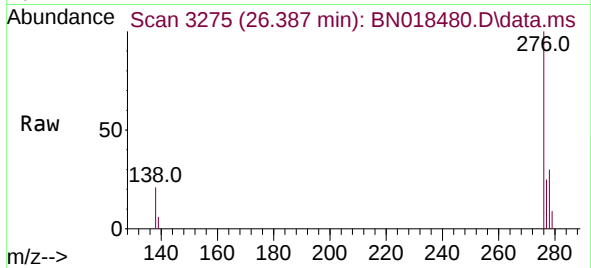




#40
Dibenzo(a,h)anthracene
Concen: 0.611 ng
RT: 26.387 min Scan# 31
Delta R.T. -0.045 min
Lab File: BN018480.D
Acq: 26 Jan 2022 17:50

Instrument :
BNA_N
ClientSampleId :
SB-5(3.5-4)DL

Tgt Ion:278 Resp: 111270
Ion Ratio Lower Upper
278 100
139 19.3 10.8 16.2#
279 28.4 19.0 28.4



#41
Benzo(g,h,i)perylene
Concen: 1.102 ng
RT: 27.144 min Scan# 3496
Delta R.T. -0.027 min
Lab File: BN018480.D
Acq: 26 Jan 2022 17:50

Tgt Ion:276 Resp: 298056
Ion Ratio Lower Upper
276 100
277 24.2 19.0 28.6
138 21.4 12.6 19.0#

