

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012522\
 Data File : BN018461.D
 Acq On : 25 Jan 2022 16:14
 Operator : CG/JU
 Sample : N1245-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SB-1(4-4.5)

Quant Time: Jan 26 04:07:02 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)

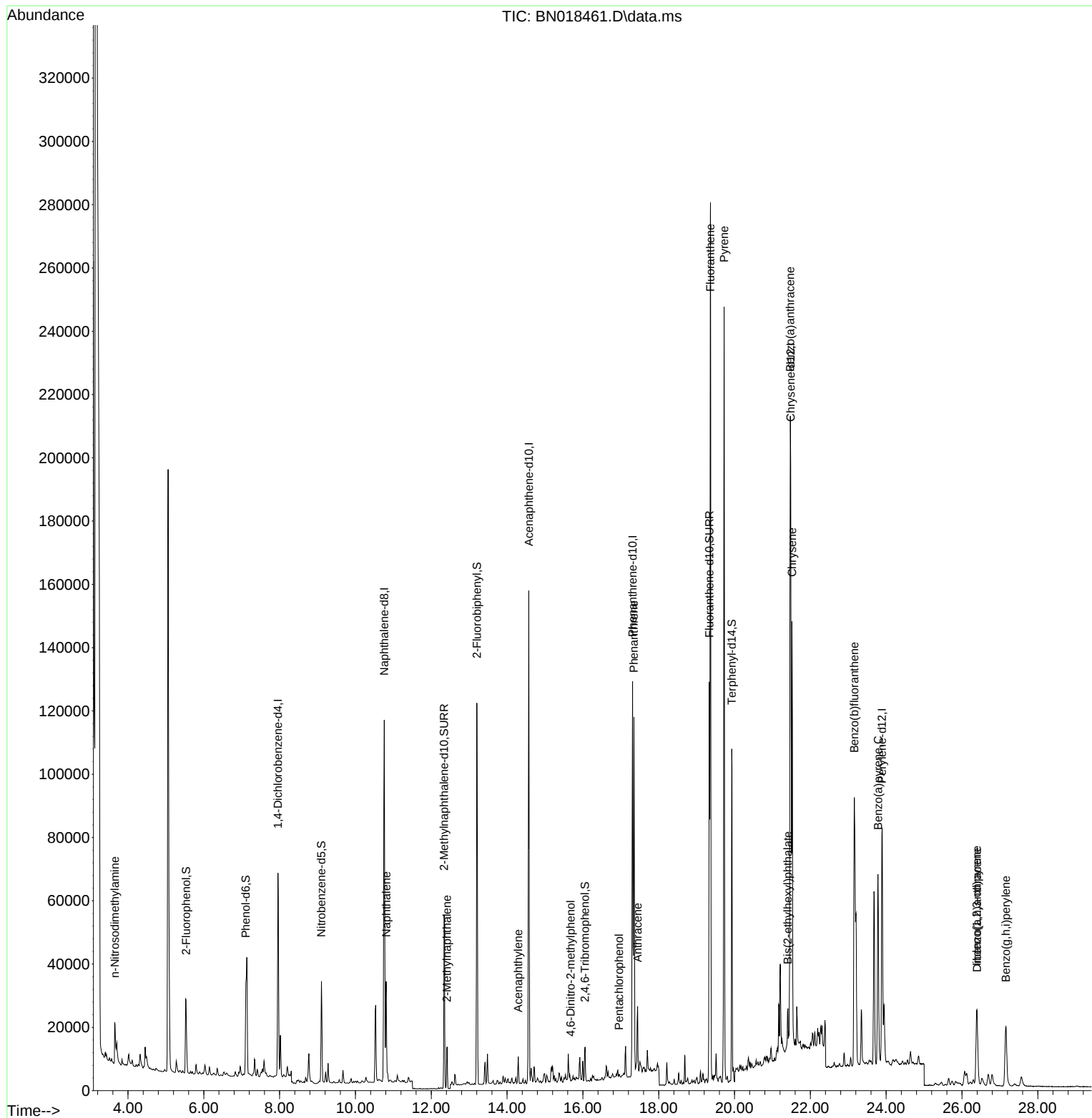
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.956	152	34675	0.400	ng	0.00
7) Naphthalene-d8	10.762	136	157142	0.400	ng	0.00
13) Acenaphthene-d10	14.573	164	85507	0.400	ng	0.00
19) Phenanthrene-d10	17.310	188	163919	0.400	ng	0.00
29) Chrysene-d12	21.482	240	128317	0.400	ng	#-0.01
35) Perylene-d12	23.892	264	108336	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.531	112	25581	0.297	ng	0.02
5) Phenol-d6	7.108	99	28385	0.304	ng	0.00
8) Nitrobenzene-d5	9.101	82	27075	0.299	ng	-0.01
11) 2-Methylnaphthalene-d10	12.341	152	73214	0.278	ng	0.00
14) 2,4,6-Tribromophenol	16.056	330	6680	0.259	ng	0.00
15) 2-Fluorobiphenyl	13.203	172	101602	0.331	ng	-0.01
27) Fluoranthene-d10	19.336	212	139085	0.281	ng	0.00
31) Terphenyl-d14	19.927	244	115708	0.290	ng	0.00
Target Compounds						
						Qvalue
3) n-Nitrosodimethylamine	3.650	42	4191	0.147	ng	# 1
9) Naphthalene	10.812	128	39954	0.104	ng	99
12) 2-Methylnaphthalene	12.416	142	9262	0.035	ng	99
16) Acenaphthylene	14.294	152	8787	0.028	ng	98
20) 4,6-Dinitro-2-methylph...	15.677	198	21	0.074	ng	# 1
24) Pentachlorophenol	16.957	266	341	0.195	ng	91
25) Phenanthrene	17.346	178	117183	0.269	ng	99
26) Anthracene	17.444	178	22499	0.061	ng	# 94
28) Fluoranthene	19.366	202	253150	0.532	ng	# 98
30) Pyrene	19.723	202	221130	0.404	ng	96
32) Benzo(a)anthracene	21.472	228	150092	0.369	ng	94
33) Chrysene	21.514	228	124790	0.310	ng	98
34) Bis(2-ethylhexyl)phtha...	21.408	149	13448	0.042	ng	96
36) Indeno(1,2,3-cd)pyrene	26.391	276	42234	0.219	ng	96
37) Benzo(b)fluoranthene	23.159	252	154043	0.395	ng	# 94
39) Benzo(a)pyrene	23.786	252	93499	0.327	ng	# 93
40) Dibenzo(a,h)anthracene	26.401	278	10936	0.198	ng	# 69
41) Benzo(g,h,i)perylene	27.157	276	44394	0.227	ng	# 92

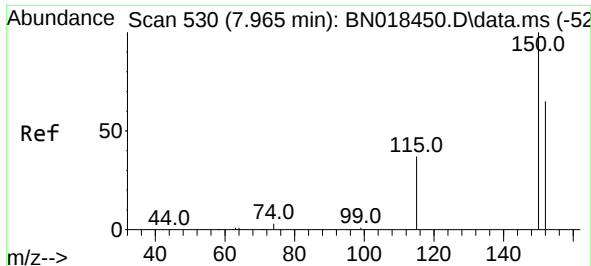
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-1(4-4.5)

Quant Time: Jan 26 04:07:02 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

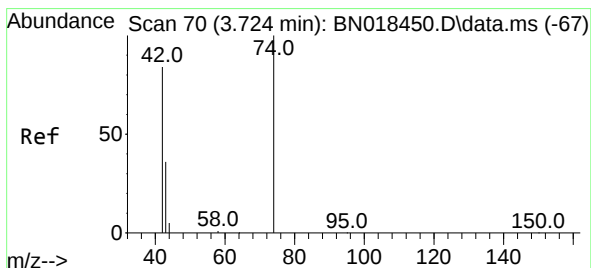
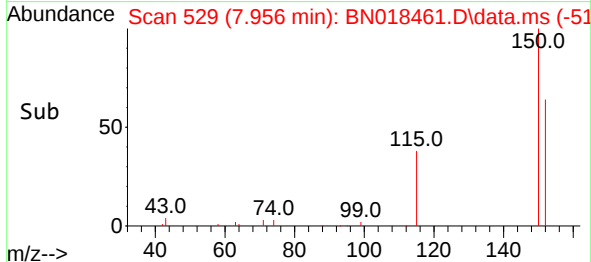
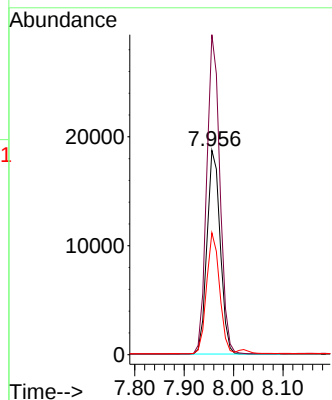
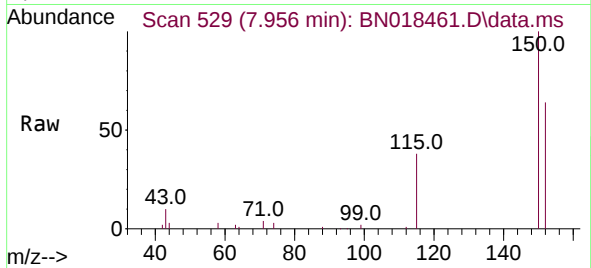




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.956 min Scan# 51
 Delta R.T. -0.009 min
 Lab File: BN018461.D
 Acq: 25 Jan 2022 16:14

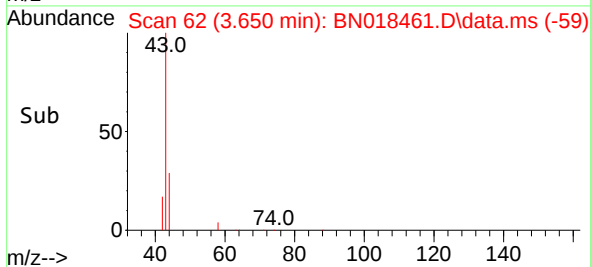
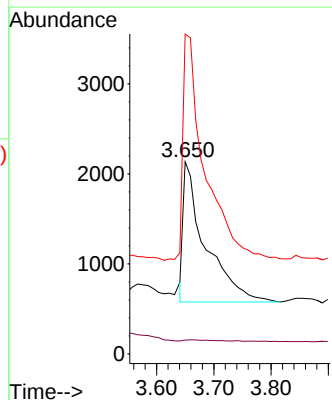
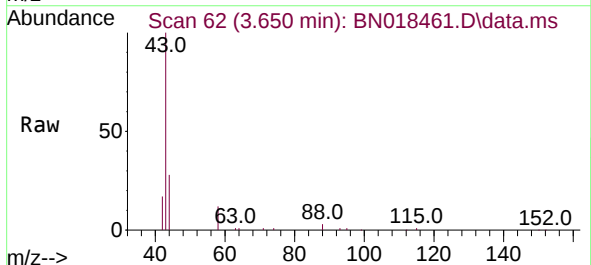
Instrument :
 BNA_N
 ClientSampleId :
 SB-1(4-4.5)

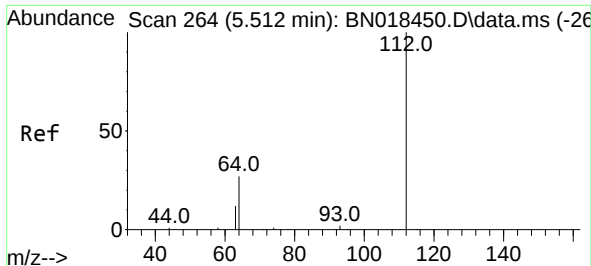
Tgt Ion:152 Resp: 34675
 Ion Ratio Lower Upper
 152 100
 150 156.7 121.7 182.5
 115 59.7 43.8 65.8



#3
 n-Nitrosodimethylamine
 Concen: 0.147 ng
 RT: 3.650 min Scan# 62
 Delta R.T. -0.074 min
 Lab File: BN018461.D
 Acq: 25 Jan 2022 16:14

Tgt Ion: 42 Resp: 4191
 Ion Ratio Lower Upper
 42 100
 74 0.9 108.6 163.0#
 44 152.8 5.8 8.8#

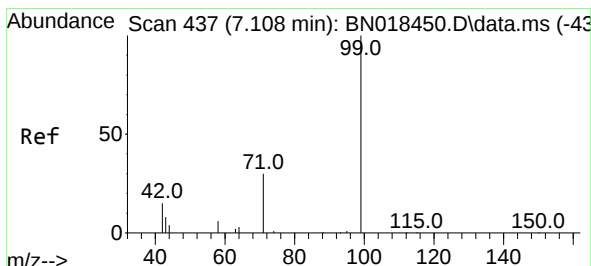
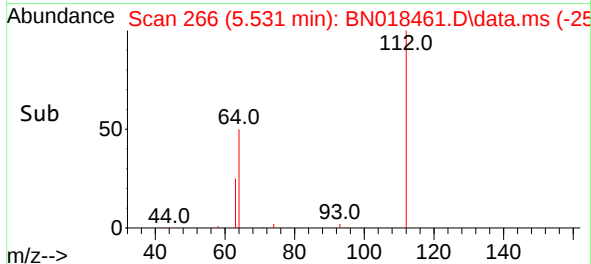
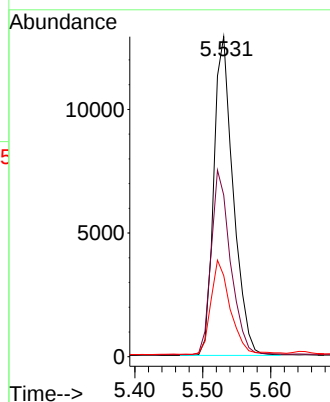
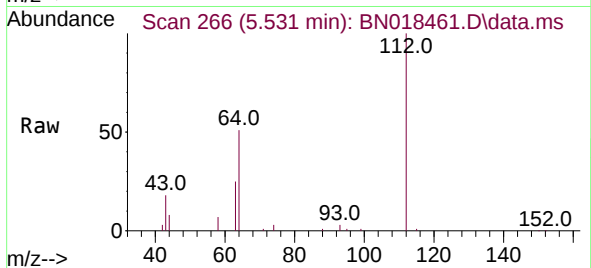




#4
2-Fluorophenol
Concen: 0.297 ng
RT: 5.531 min Scan# 2
Delta R.T. 0.019 min
Lab File: BN018461.D
Acq: 25 Jan 2022 16:14

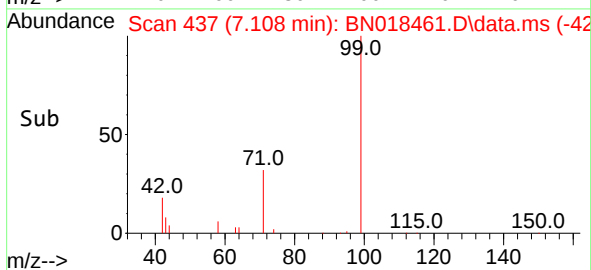
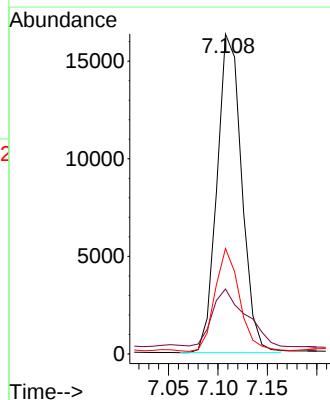
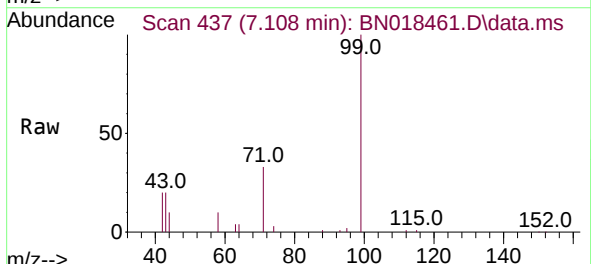
Instrument :
BNA_N
ClientSampleId :
SB-1(4-4.5)

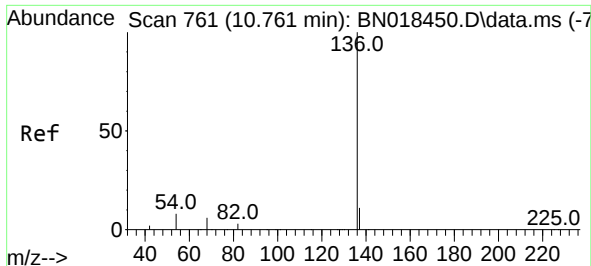
Tgt Ion:112 Resp: 25581
Ion Ratio Lower Upper
112 100
64 57.4 48.0 72.0
63 29.5 25.3 37.9



#5
Phenol-d6
Concen: 0.304 ng
RT: 7.108 min Scan# 437
Delta R.T. 0.000 min
Lab File: BN018461.D
Acq: 25 Jan 2022 16:14

Tgt Ion: 99 Resp: 28385
Ion Ratio Lower Upper
99 100
42 24.1 16.3 24.5
71 32.4 26.8 40.2

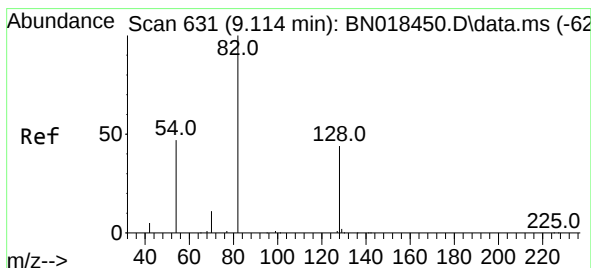
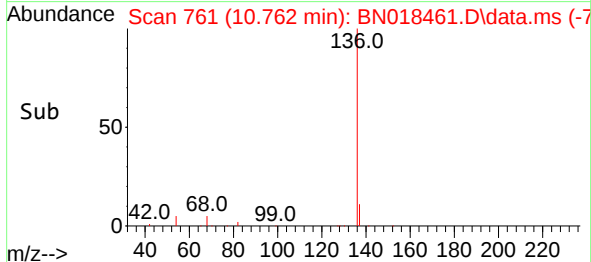
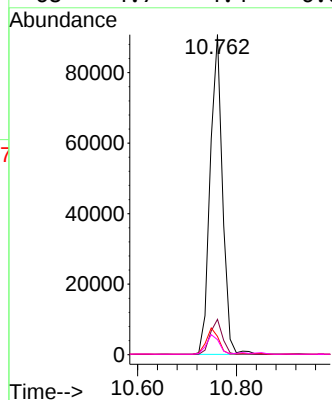
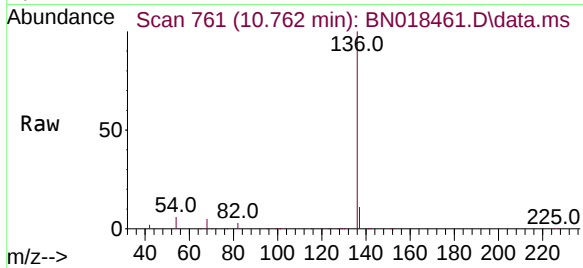




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.762 min Scan# 761
Delta R.T. 0.000 min
Lab File: BN018461.D
Acq: 25 Jan 2022 16:14

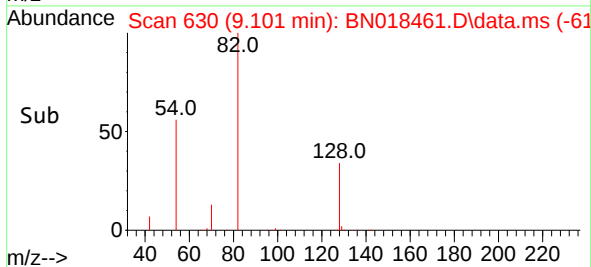
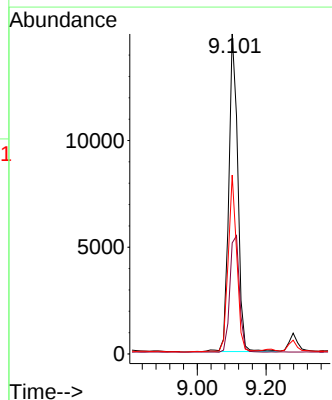
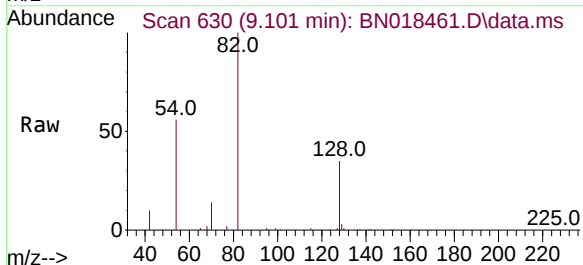
Instrument :
BNA_N
ClientSampleId :
SB-1(4-4.5)

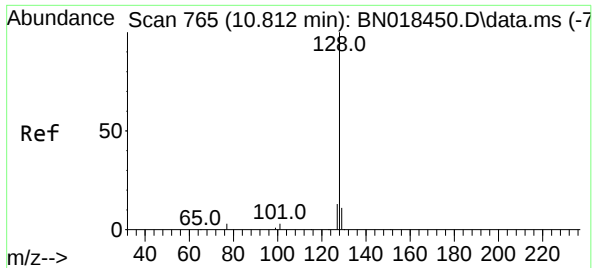
Tgt Ion:136 Resp: 157142
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 5.7 5.0 7.6
68 4.7 4.4 6.6



#8
Nitrobenzene-d5
Concen: 0.299 ng
RT: 9.101 min Scan# 630
Delta R.T. -0.013 min
Lab File: BN018461.D
Acq: 25 Jan 2022 16:14

Tgt Ion: 82 Resp: 27075
Ion Ratio Lower Upper
82 100
128 34.7 33.7 50.5
54 55.9 36.6 55.0#

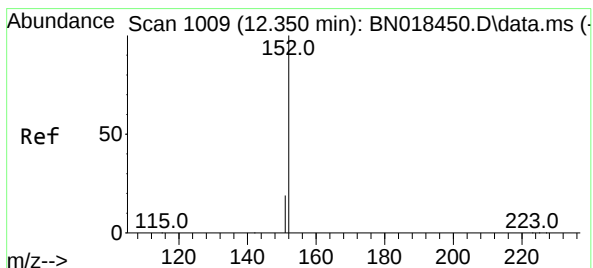
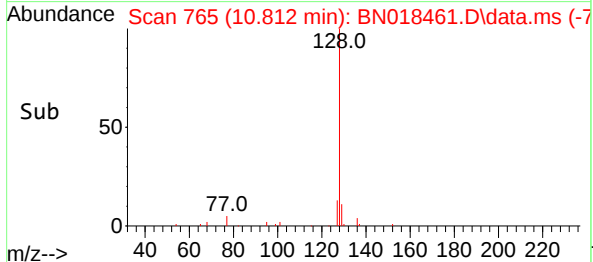
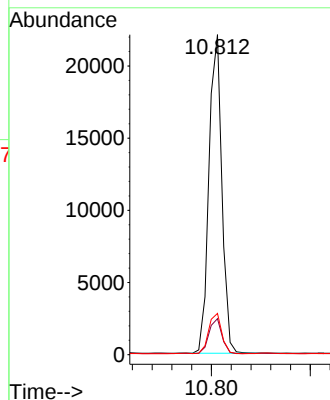
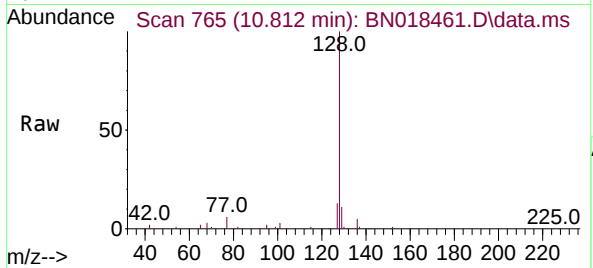




#9
Naphthalene
Concen: 0.104 ng
RT: 10.812 min Scan# 70
Delta R.T. 0.000 min
Lab File: BN018461.D
Acq: 25 Jan 2022 16:14

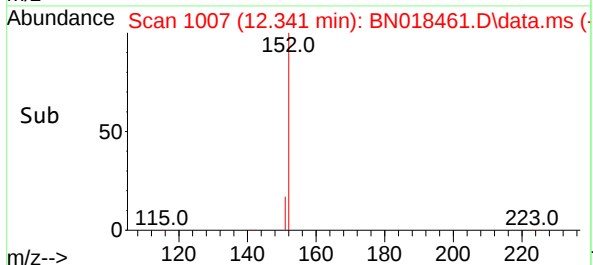
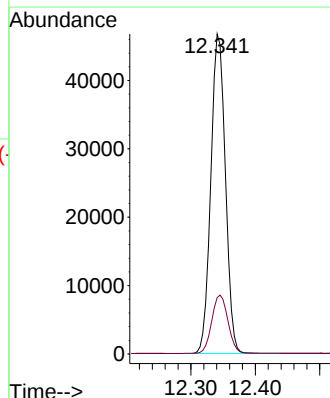
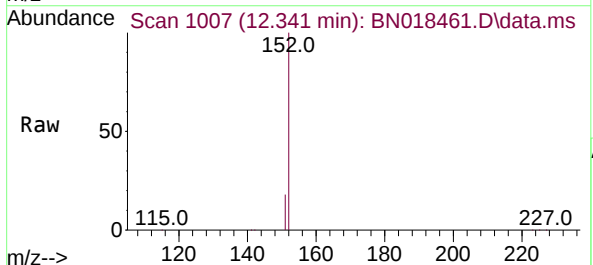
Instrument :
BNA_N
ClientSampleId :
SB-1(4-4.5)

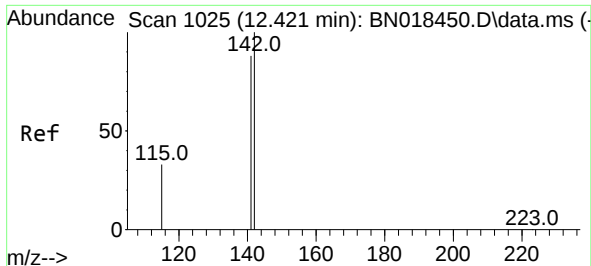
Tgt Ion:128 Resp: 39954
Ion Ratio Lower Upper
128 100
129 11.2 8.7 13.1
127 12.9 10.4 15.6



#11
2-Methylnaphthalene-d10
Concen: 0.278 ng
RT: 12.341 min Scan# 1007
Delta R.T. -0.009 min
Lab File: BN018461.D
Acq: 25 Jan 2022 16:14

Tgt Ion:152 Resp: 73214
Ion Ratio Lower Upper
152 100
151 20.2 16.2 24.2

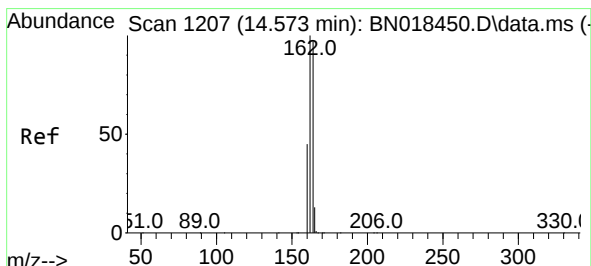
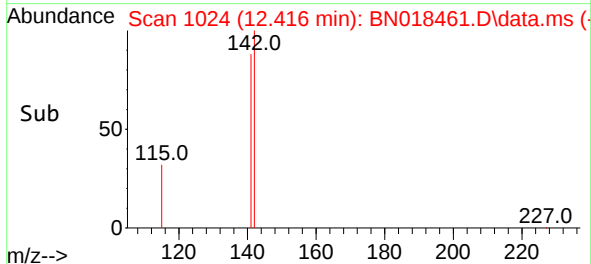
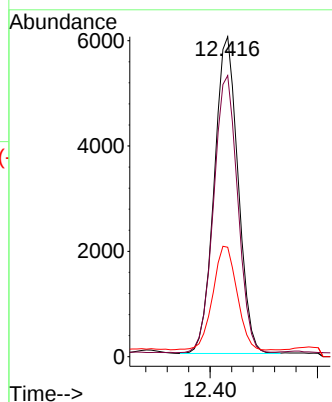
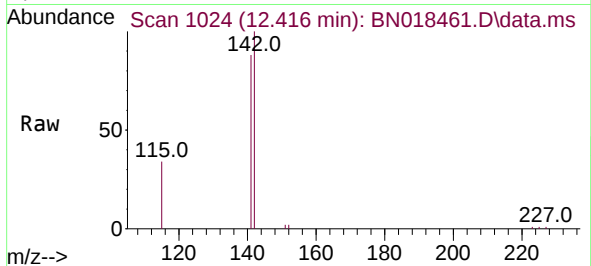




#12
2-Methylnaphthalene
Concen: 0.035 ng
RT: 12.416 min Scan# 1024
Delta R.T. -0.004 min
Lab File: BN018461.D
Acq: 25 Jan 2022 16:14

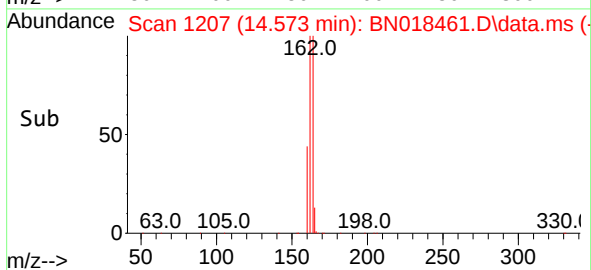
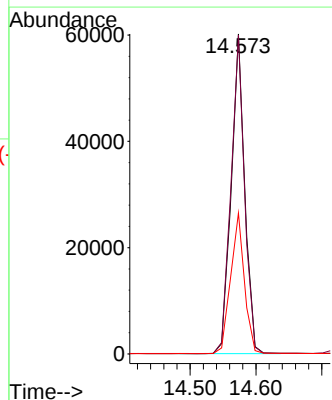
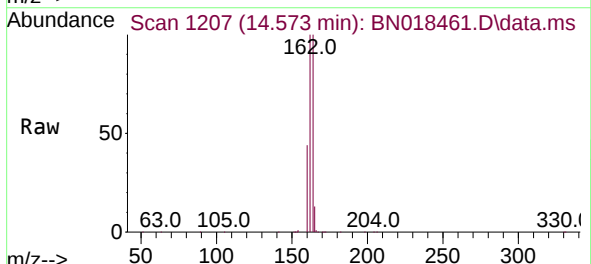
Instrument :
BNA_N
ClientSampleId :
SB-1(4-4.5)

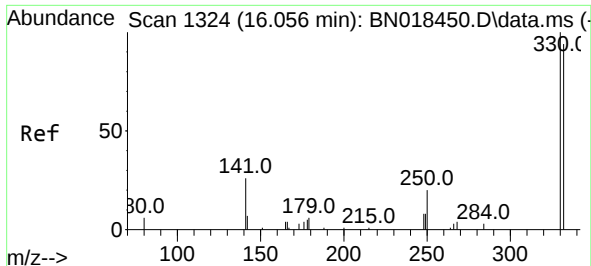
Tgt Ion:142 Resp: 9262
Ion Ratio Lower Upper
142 100
141 87.8 70.0 105.0
115 34.2 27.8 41.8



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.573 min Scan# 1207
Delta R.T. 0.000 min
Lab File: BN018461.D
Acq: 25 Jan 2022 16:14

Tgt Ion:164 Resp: 85507
Ion Ratio Lower Upper
164 100
162 99.6 80.2 120.2
160 44.0 36.9 55.3

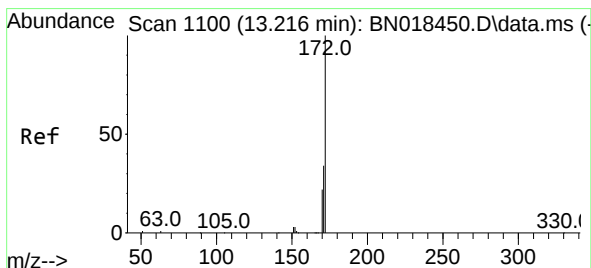
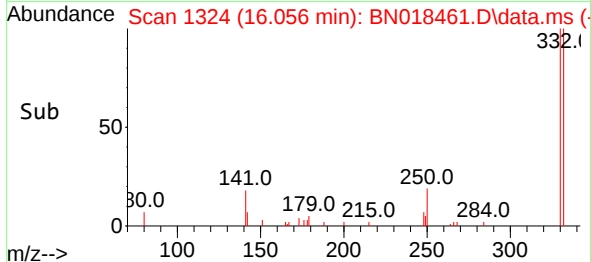
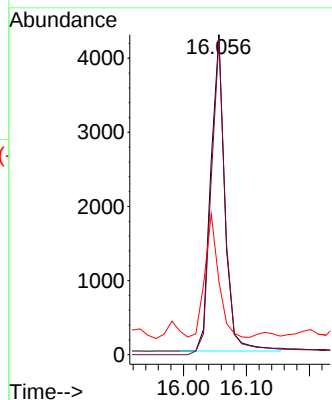
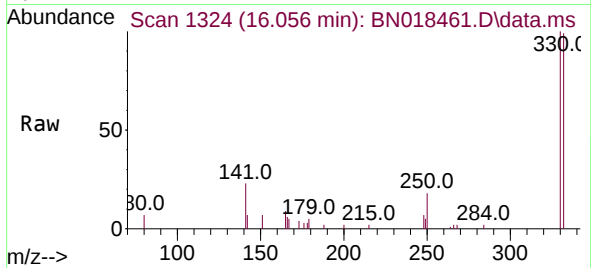




#14
2,4,6-Tribromophenol
Concen: 0.259 ng
RT: 16.056 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN018461.D
Acq: 25 Jan 2022 16:14

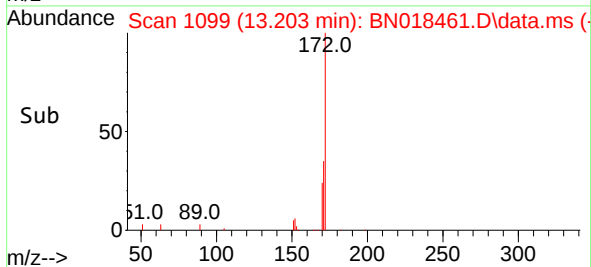
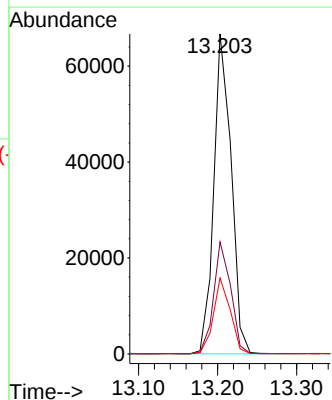
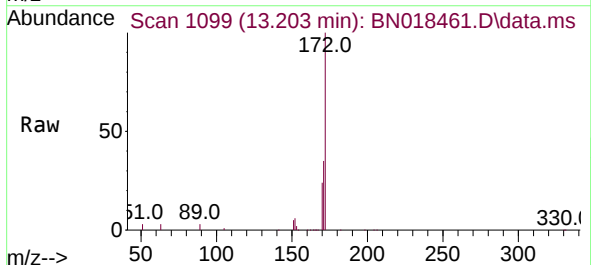
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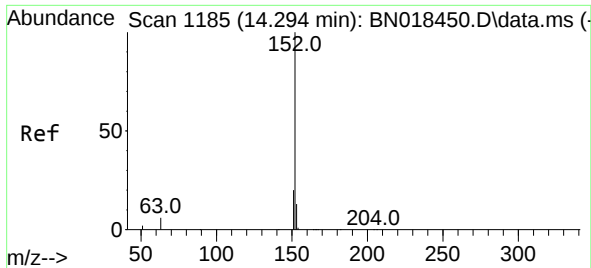
Tgt Ion:330 Resp: 6680
Ion Ratio Lower Upper
330 100
332 102.8 0.0 0.0#
141 37.8 21.3 31.9#



#15
2-Fluorobiphenyl
Concen: 0.331 ng
RT: 13.203 min Scan# 1099
Delta R.T. -0.013 min
Lab File: BN018461.D
Acq: 25 Jan 2022 16:14

Tgt Ion:172 Resp: 101602
Ion Ratio Lower Upper
172 100
171 35.0 27.4 41.0
170 23.7 18.4 27.6

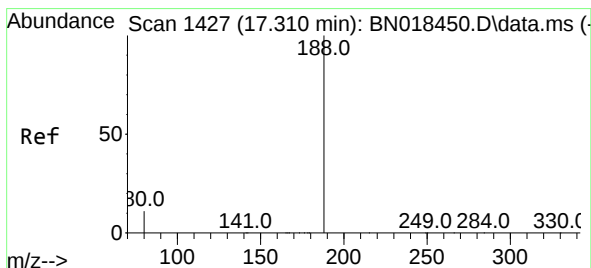
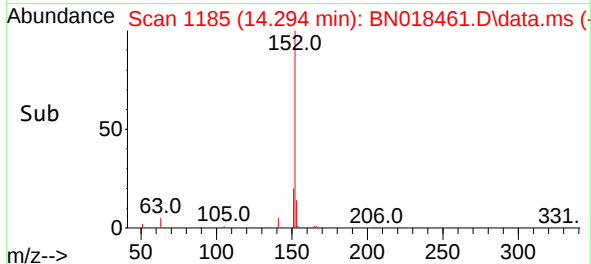
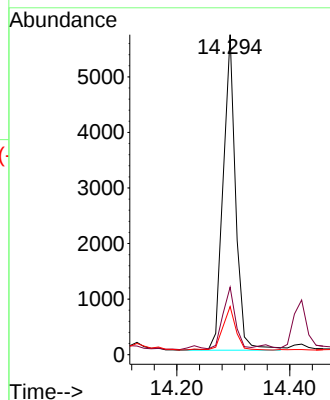
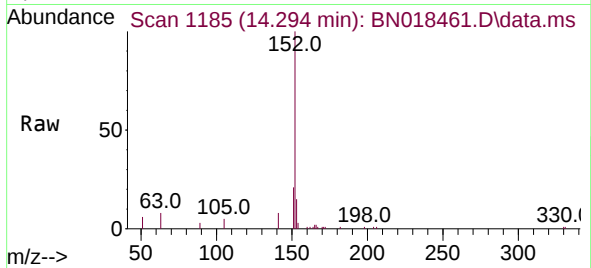




#16
Acenaphthylene
Concen: 0.028 ng
RT: 14.294 min Scan# 1185
Delta R.T. 0.000 min
Lab File: BN018461.D
Acq: 25 Jan 2022 16:14

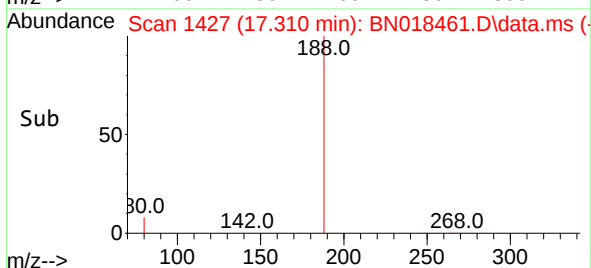
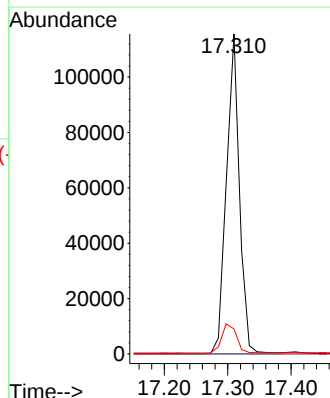
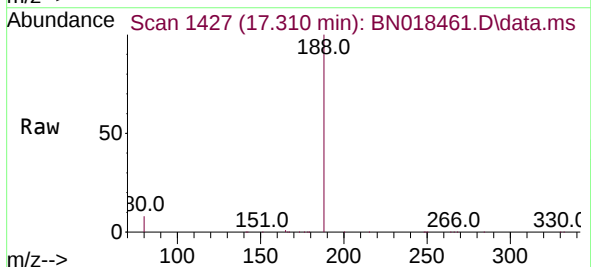
Instrument :
BNA_N
ClientSampleId :
SB-1(4-4.5)

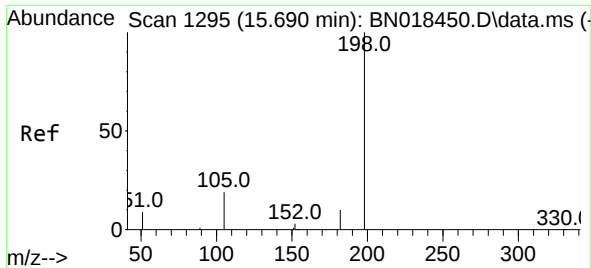
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Ion Ratio Lower Upper
152 100
151 19.2 15.8 23.6
153 14.3 10.5 15.7



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.310 min Scan# 1427
Delta R.T. -0.000 min
Lab File: BN018461.D
Acq: 25 Jan 2022 16:14

Tgt Ion:188 Resp: 163919
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 7.9 7.0 10.4





#20

4,6-Dinitro-2-methylphenol

Concen: 0.074 ng

RT: 15.677 min Scan# 1294

Delta R.T. -0.013 min

Lab File: BN018461.D

Acq: 25 Jan 2022 16:14

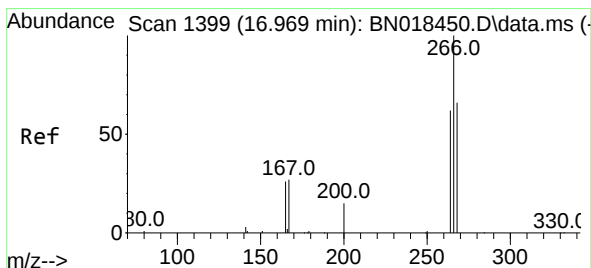
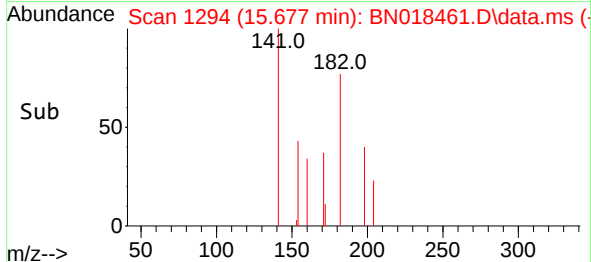
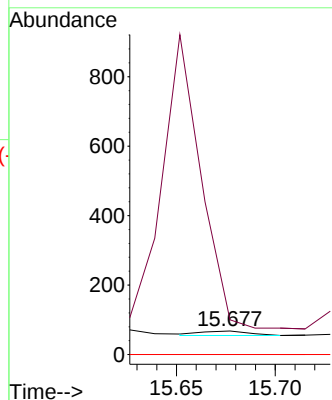
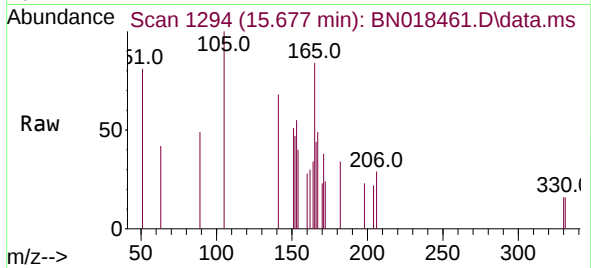
Instrument :

BNA_N

ClientSampleId :

SB-1(4-4.5)

Tgt Ion:198	Resp:	21
Ion	Ratio	Lower Upper
198	100	
182	147.1	15.5 23.3#
77	0.0	0.0 0.0



#24

Pentachlorophenol

Concen: 0.195 ng

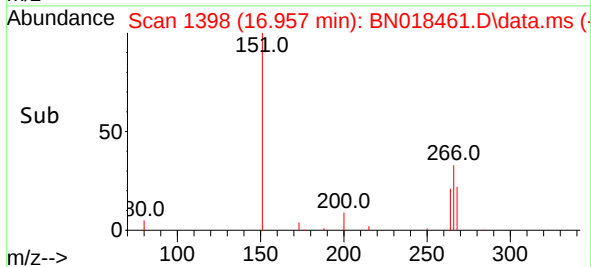
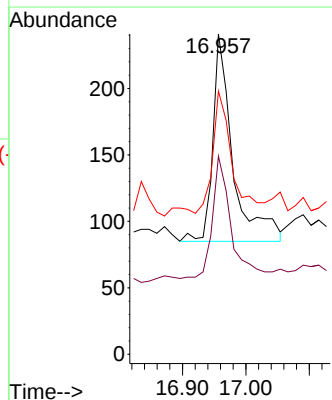
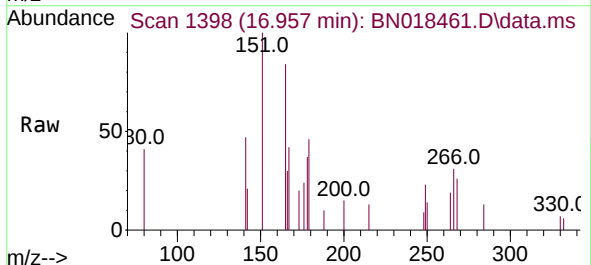
RT: 16.957 min Scan# 1398

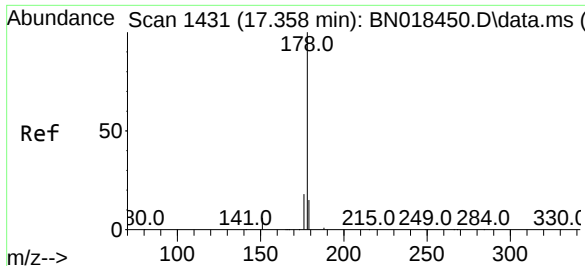
Delta R.T. -0.012 min

Lab File: BN018461.D

Acq: 25 Jan 2022 16:14

Tgt Ion:266	Resp:	341
Ion	Ratio	Lower Upper
266	100	
264	56.0	49.5 74.3
268	54.5	50.6 76.0

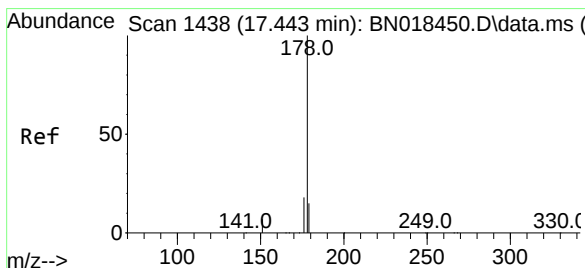
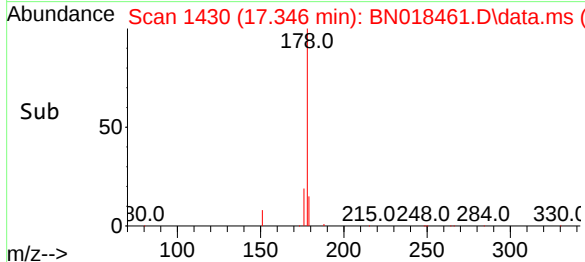
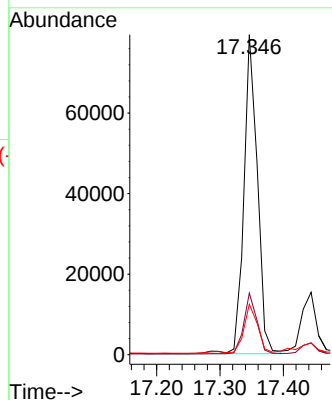
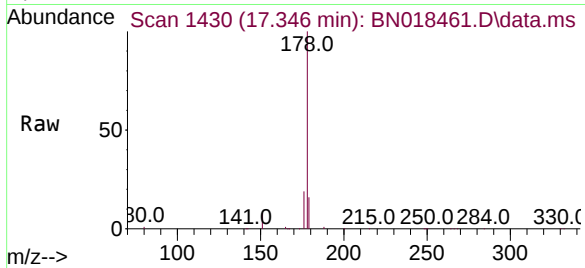




#25
Phenanthrene
Concen: 0.269 ng
RT: 17.346 min Scan# 1430
Delta R.T. -0.012 min
Lab File: BN018461.D
Acq: 25 Jan 2022 16:14

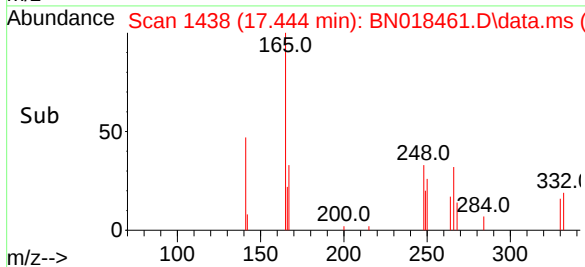
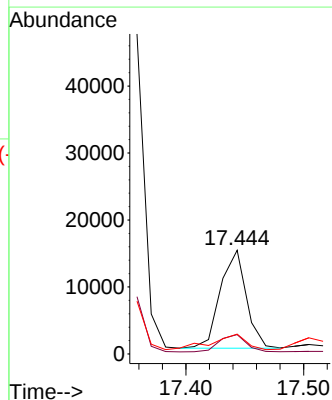
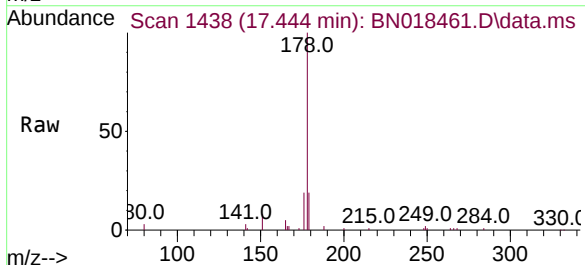
Instrument :
BNA_N
ClientSampleId :
SB-1(4-4.5)

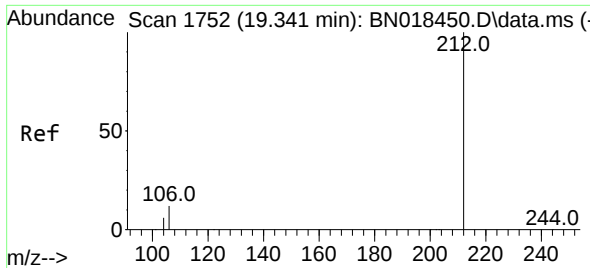
Tgt Ion:178 Resp: 117183
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 16.3 12.3 18.5



#26
Anthracene
Concen: 0.061 ng
RT: 17.444 min Scan# 1438
Delta R.T. 0.000 min
Lab File: BN018461.D
Acq: 25 Jan 2022 16:14

Tgt Ion:178 Resp: 22499
Ion Ratio Lower Upper
178 100
176 18.3 14.8 22.2
179 20.4 12.2 18.4#

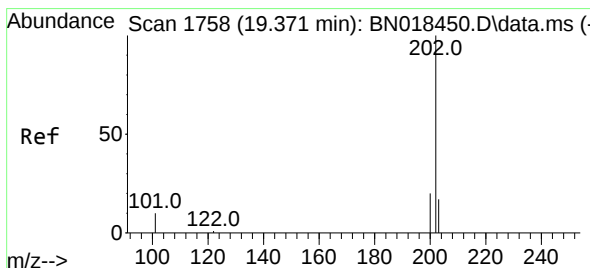
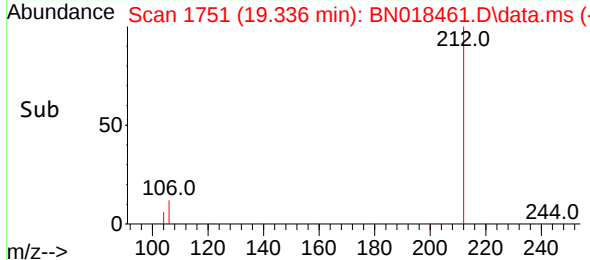
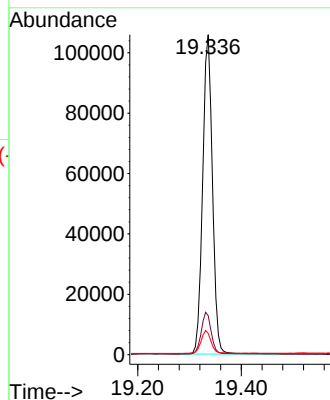
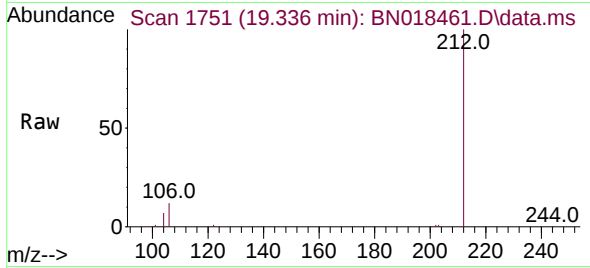




#27
Fluoranthene-d10
Concen: 0.281 ng
RT: 19.336 min Scan# 1751
Delta R.T. -0.005 min
Lab File: BN018461.D
Acq: 25 Jan 2022 16:14

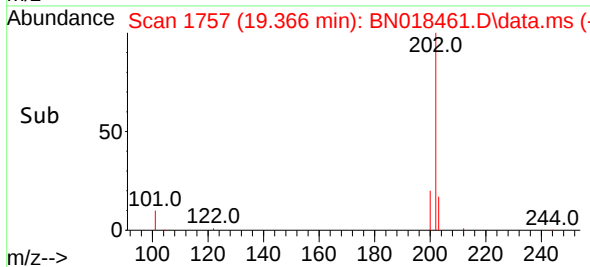
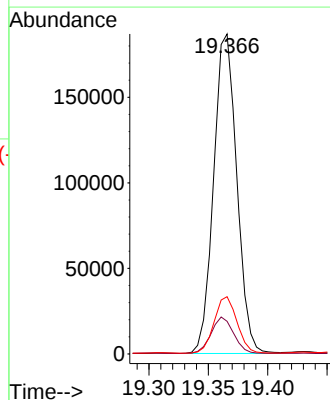
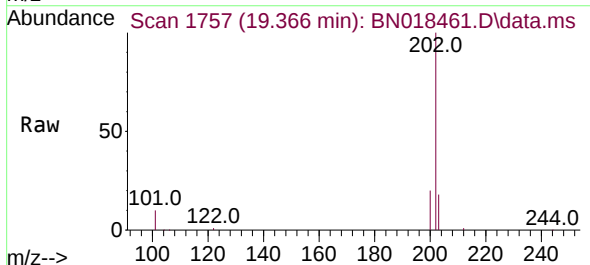
Instrument :
BNA_N
ClientSampleId :
SB-1(4-4.5)

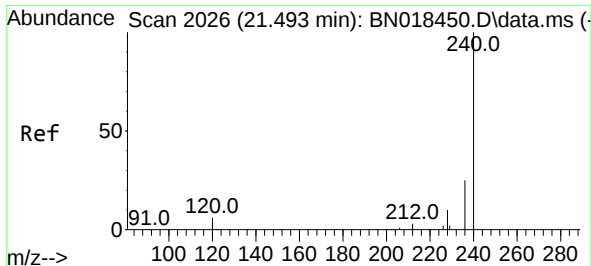
Tgt Ion:212 Resp: 139085
Ion Ratio Lower Upper
212 100
106 13.1 8.4 12.6#
104 7.4 4.5 6.7#



#28
Fluoranthene
Concen: 0.532 ng
RT: 19.366 min Scan# 1757
Delta R.T. -0.005 min
Lab File: BN018461.D
Acq: 25 Jan 2022 16:14

Tgt Ion:202 Resp: 253150
Ion Ratio Lower Upper
202 100
101 11.1 7.2 10.8#
203 17.4 13.7 20.5

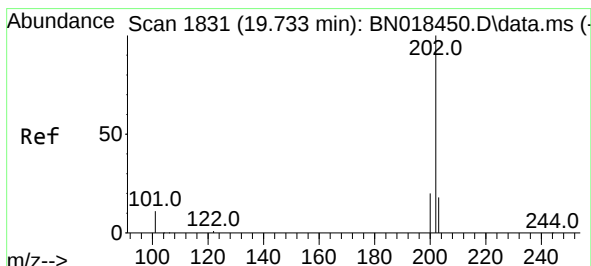
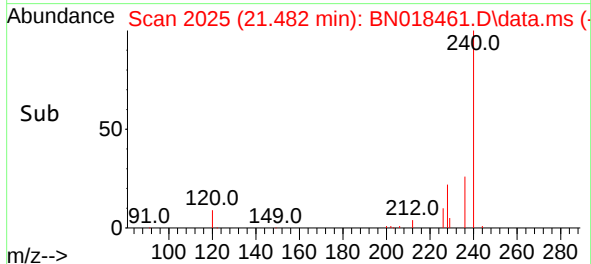
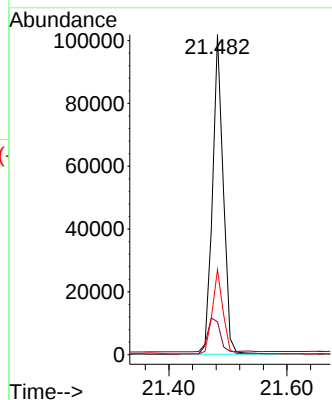
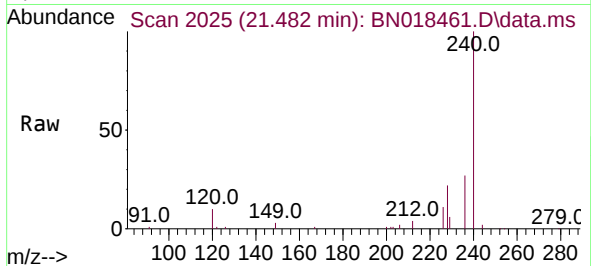




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.482 min Scan# 20
Delta R.T. -0.011 min
Lab File: BN018461.D
Acq: 25 Jan 2022 16:14

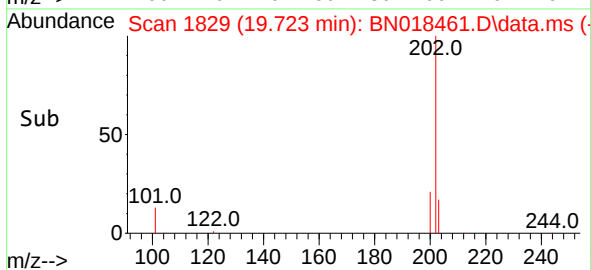
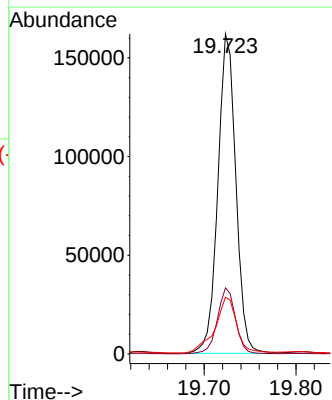
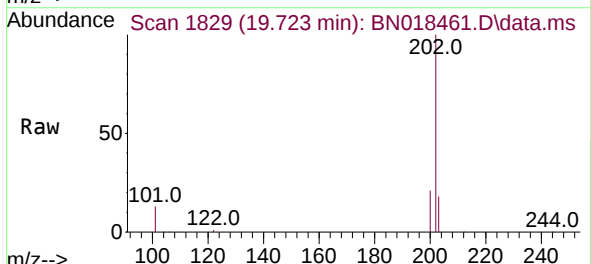
Instrument :
BNA_N
ClientSampleId :
SB-1(4-4.5)

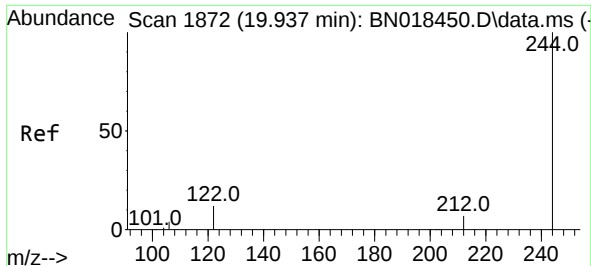
Tgt Ion:240 Resp: 128317
Ion Ratio Lower Upper
240 100
120 10.3 6.0 9.0#
236 26.6 21.4 32.2



#30
Pyrene
Concen: 0.404 ng
RT: 19.723 min Scan# 1829
Delta R.T. -0.010 min
Lab File: BN018461.D
Acq: 25 Jan 2022 16:14

Tgt Ion:202 Resp: 221130
Ion Ratio Lower Upper
202 100
200 20.6 16.6 25.0
203 21.0 14.1 21.1

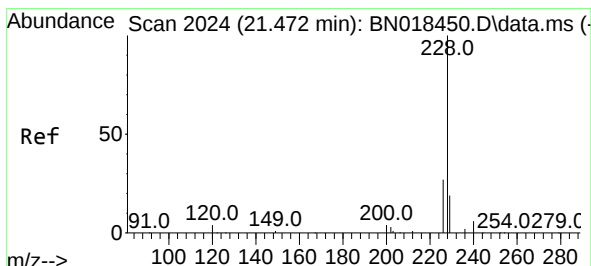
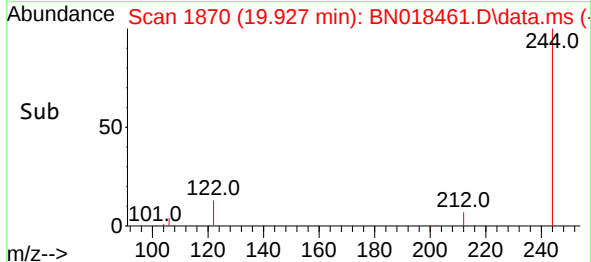
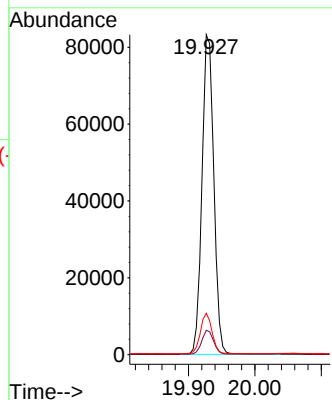
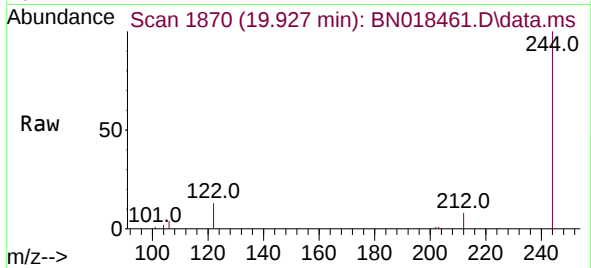




#31
Terphenyl-d14
Concen: 0.290 ng
RT: 19.927 min Scan# 1872
Delta R.T. -0.010 min
Lab File: BN018461.D
Acq: 25 Jan 2022 16:14

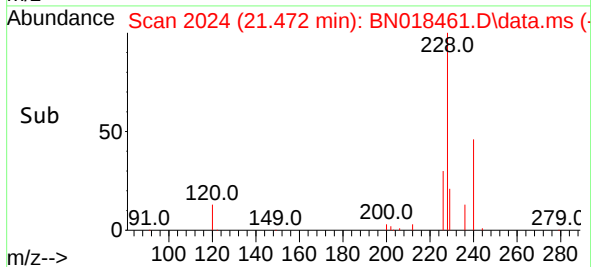
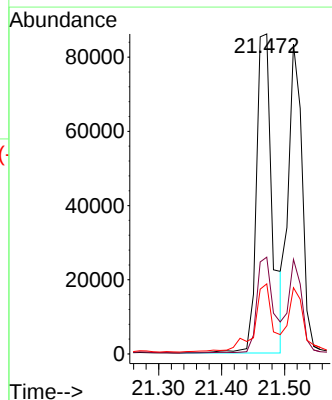
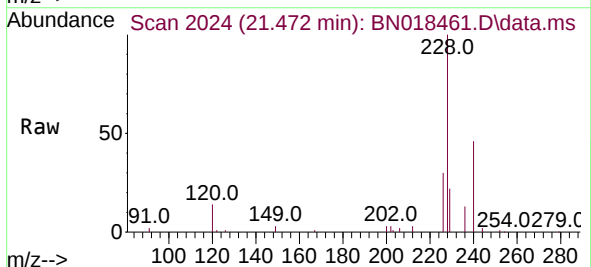
Instrument :
BNA_N
ClientSampleId :
SB-1(4-4.5)

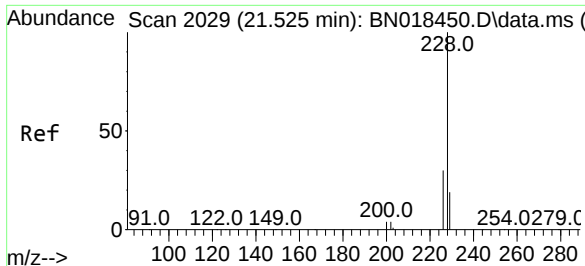
Tgt Ion:244 Resp: 115708
Ion Ratio Lower Upper
244 100
212 7.6 6.2 9.2
122 13.0 7.9 11.9#



#32
Benzo(a)anthracene
Concen: 0.369 ng
RT: 21.472 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BN018461.D
Acq: 25 Jan 2022 16:14

Tgt Ion:228 Resp: 150092
Ion Ratio Lower Upper
228 100
226 30.3 21.3 31.9
229 21.9 15.9 23.9

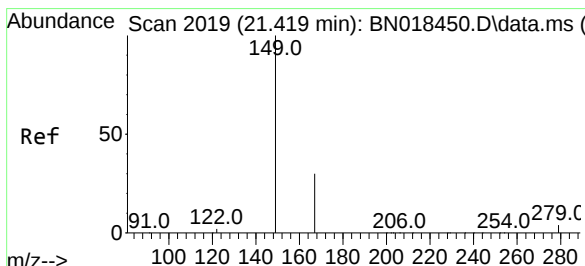
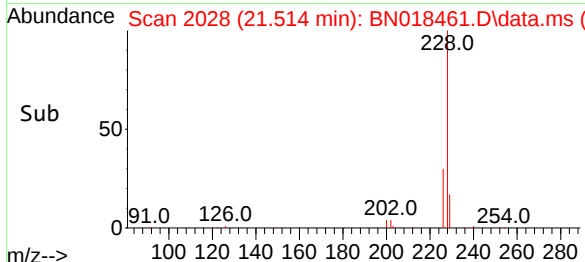
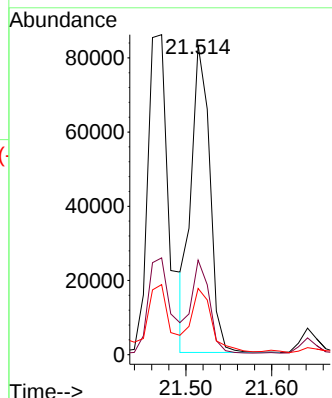
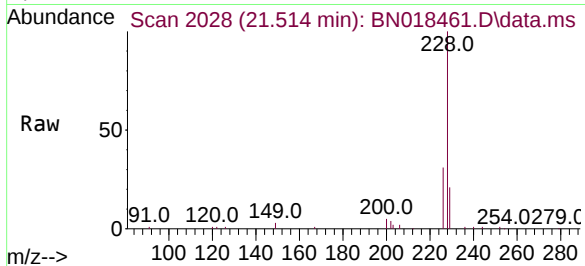




#33
Chrysene
Concen: 0.310 ng
RT: 21.514 min Scan# 2029
Delta R.T. -0.011 min
Lab File: BN018461.D
Acq: 25 Jan 2022 16:14

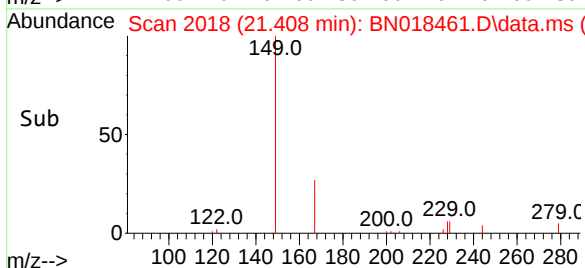
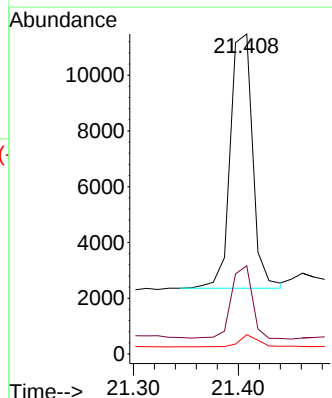
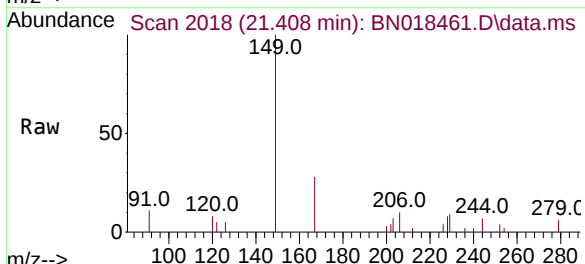
Instrument :
BNA_N
ClientSampleId :
SB-1(4-4.5)

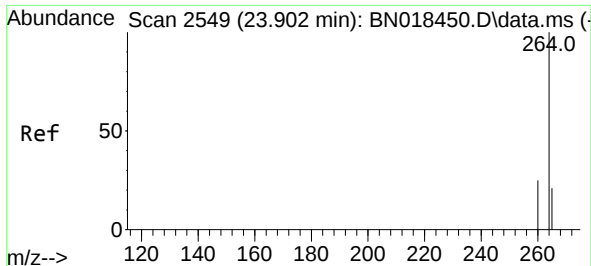
Tgt Ion:228 Resp: 124790
Ion Ratio Lower Upper
228 100
226 30.5 24.2 36.4
229 21.4 15.5 23.3



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.042 ng
RT: 21.408 min Scan# 2018
Delta R.T. -0.011 min
Lab File: BN018461.D
Acq: 25 Jan 2022 16:14

Tgt Ion:149 Resp: 13448
Ion Ratio Lower Upper
149 100
167 27.4 23.7 35.5
279 4.3 3.6 5.4

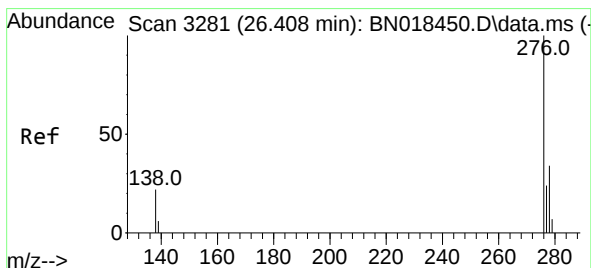
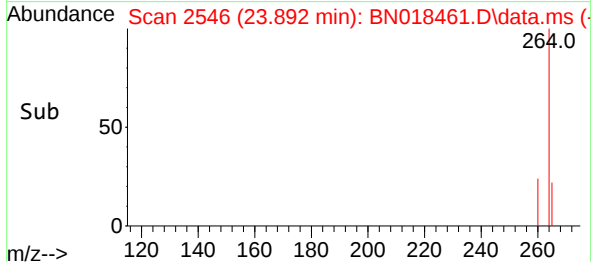
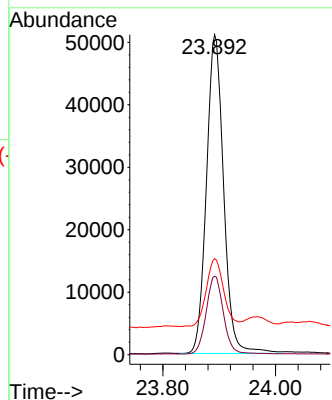
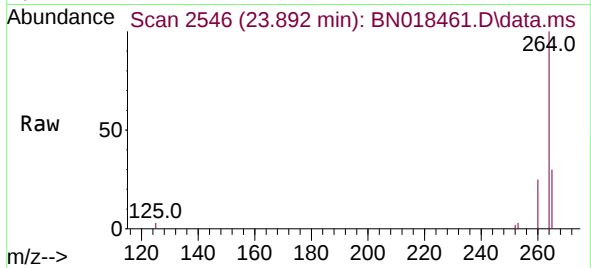




#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.892 min Scan# 21
 Delta R.T. -0.010 min
 Lab File: BN018461.D
 Acq: 25 Jan 2022 16:14

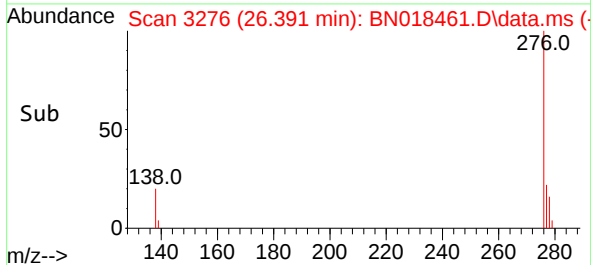
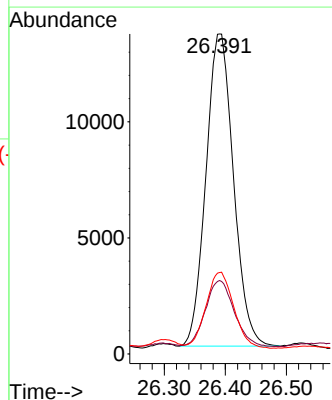
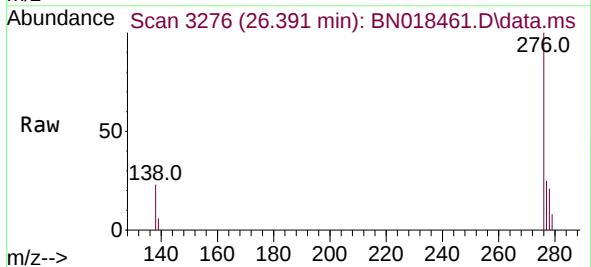
Instrument :
 BNA_N
 ClientSampleId :
 SB-1(4-4.5)

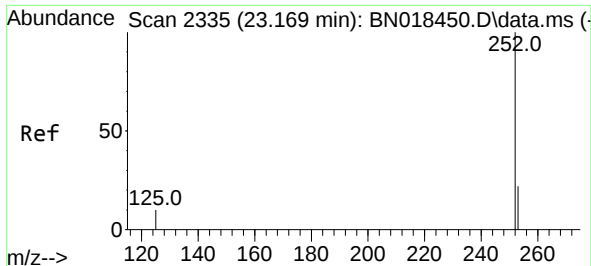
Tgt Ion:264 Resp: 108336
 Ion Ratio Lower Upper
 264 100
 260 24.5 20.2 30.4
 265 30.0 18.2 27.2#



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.219 ng
 RT: 26.391 min Scan# 3276
 Delta R.T. -0.017 min
 Lab File: BN018461.D
 Acq: 25 Jan 2022 16:14

Tgt Ion:276 Resp: 42234
 Ion Ratio Lower Upper
 276 100
 138 22.0 14.9 22.3
 277 24.5 19.9 29.9

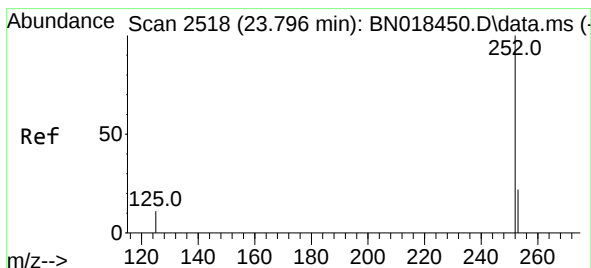
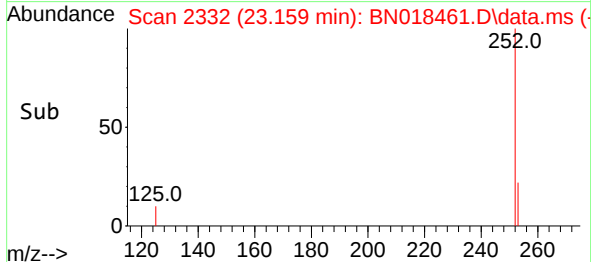
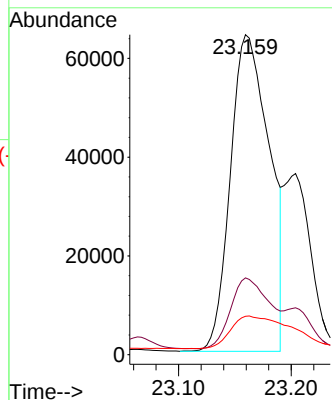
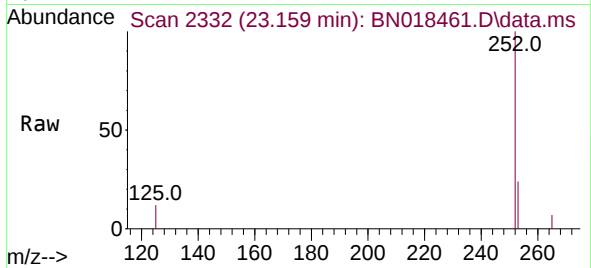




#37
Benzo(b)fluoranthene
Concen: 0.395 ng
RT: 23.159 min Scan# 2159
Delta R.T. -0.010 min
Lab File: BN018461.D
Acq: 25 Jan 2022 16:14

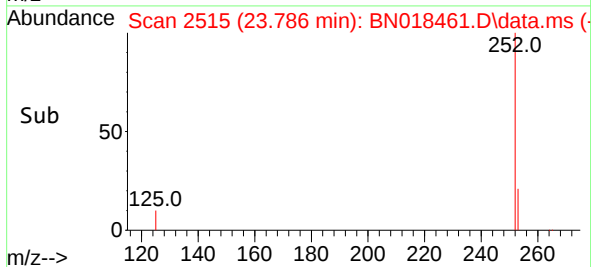
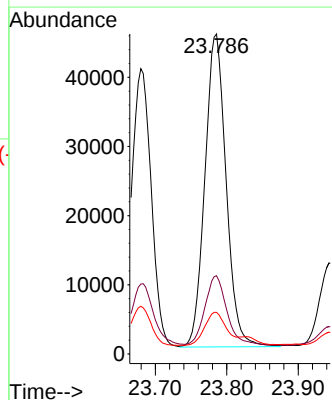
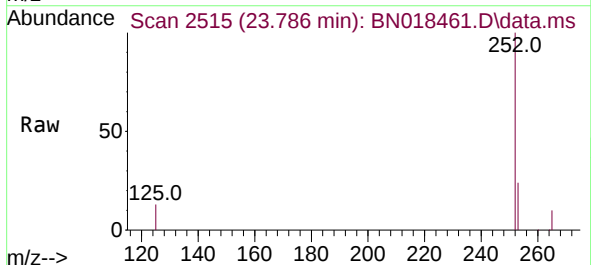
Instrument :
BNA_N
ClientSampleId :
SB-1(4-4.5)

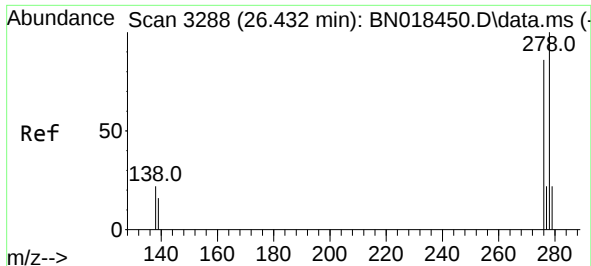
Tgt Ion:252 Resp: 154043
Ion Ratio Lower Upper
252 100
253 24.0 17.8 26.6
125 12.0 6.0 9.0#



#39
Benzo(a)pyrene
Concen: 0.327 ng
RT: 23.786 min Scan# 2515
Delta R.T. -0.010 min
Lab File: BN018461.D
Acq: 25 Jan 2022 16:14

Tgt Ion:252 Resp: 93499
Ion Ratio Lower Upper
252 100
253 24.4 17.8 26.6
125 13.0 7.0 10.4#

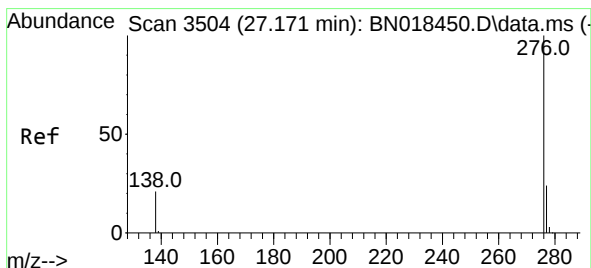
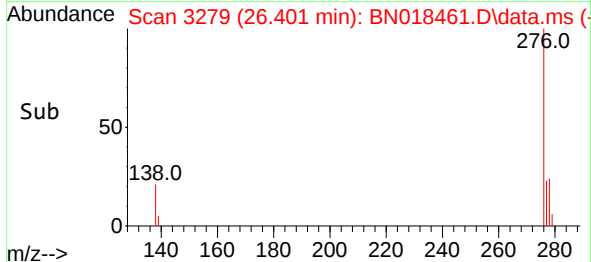
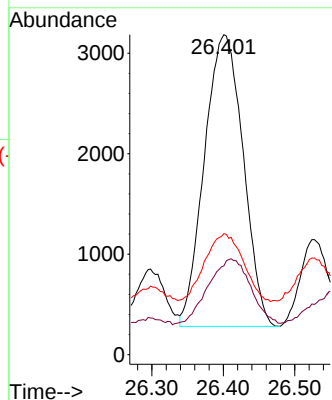
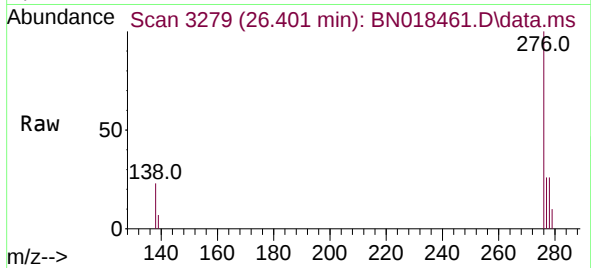




#40
Dibenzo(a,h)anthracene
Concen: 0.198 ng
RT: 26.401 min Scan# 31
Delta R.T. -0.031 min
Lab File: BN018461.D
Acq: 25 Jan 2022 16:14

Instrument :
BNA_N
ClientSampleId :
SB-1(4-4.5)

Tgt Ion:278 Resp: 10936
Ion Ratio Lower Upper
278 100
139 27.7 10.8 16.2#
279 37.9 19.0 28.4#



#41
Benzo(g,h,i)perylene
Concen: 0.227 ng
RT: 27.157 min Scan# 3500
Delta R.T. -0.014 min
Lab File: BN018461.D
Acq: 25 Jan 2022 16:14

Tgt Ion:276 Resp: 44394
Ion Ratio Lower Upper
276 100
277 24.8 19.0 28.6
138 23.2 12.6 19.0#

