

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN011022\
 Data File : BN018377.D
 Acq On : 10 Jan 2022 12:40
 Operator : CG/JU
 Sample : M5212-06
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DUP122121

Quant Time: Jan 10 14:03:06 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN010722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 10 13:58:28 2022
 Response via : Initial Calibration

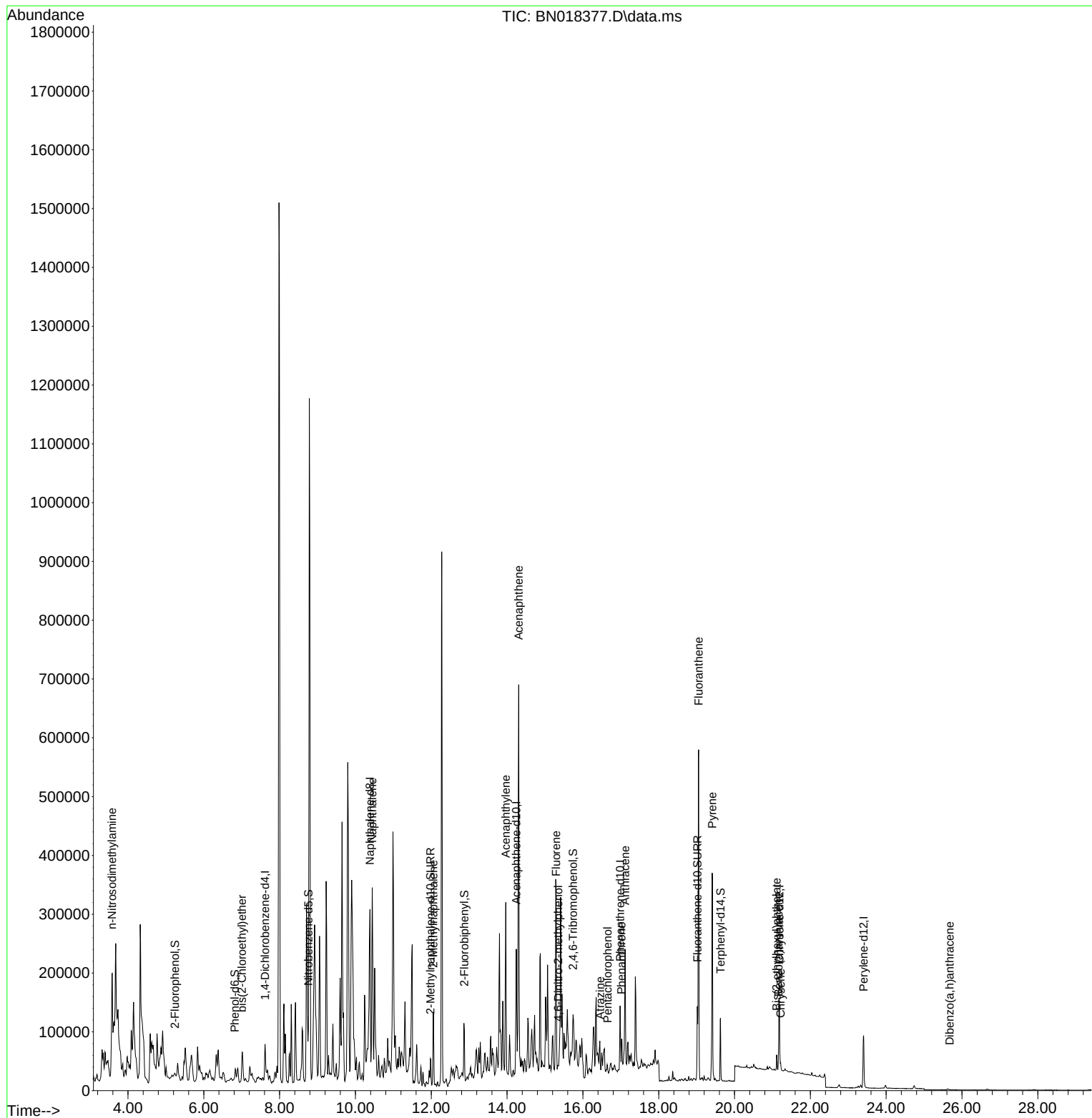
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.615	152	29234	0.400	ng	# 0.00
7) Naphthalene-d8	10.381	136	145348	0.400	ng	# 0.00
13) Acenaphthene-d10	14.243	164	97823	0.400	ng	# 0.00
19) Phenanthrene-d10	16.981	188	131155	0.400	ng	# 0.00
29) Chrysene-d12	21.185	240	114911	0.400	ng	0.00
35) Perylene-d12	23.402	264	117111	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.236	112	12784	0.178	ng	0.03
5) Phenol-d6	6.813	99	5418	0.075	ng	0.02
8) Nitrobenzene-d5	8.759	82	32945	0.422	ng	0.00
11) 2-Methylnaphthalene-d10	11.981	152	63200	0.278	ng	0.00
14) 2,4,6-Tribromophenol	15.741	330	14350	0.463	ng	0.00
15) 2-Fluorobiphenyl	12.873	172	89355	0.253	ng	0.00
27) Fluoranthene-d10	19.018	212	128767	0.344	ng	0.00
31) Terphenyl-d14	19.629	244	102695	0.413	ng	0.00
Target Compounds						
3) n-Nitrosodimethylamine	3.576	42	9920	0.376	ng	# 1
6) bis(2-Chloroethyl)ether	7.006	93	5290	0.068	ng	# 1
9) Naphthalene	10.445	128	144232	0.391	ng	# 19
12) 2-Methylnaphthalene	12.056	142	88583	0.392	ng	# 92
16) Acenaphthylene	13.964	152	36937	0.095	ng	# 9
17) Acenaphthene	14.307	154	336441	1.241	ng	98
18) Fluorene	15.296	166	133077	0.437	ng	# 94
20) 4,6-Dinitro-2-methylph...	15.347	198	403	0.241	ng	# 1
23) Atrazine	16.458	200	1454	0.121	ng	# 1
24) Pentachlorophenol	16.653	266	1352	0.370	ng	94
25) Phenanthrene	17.018	178	62149	0.169	ng	# 88
26) Anthracene	17.115	178	208434	0.684	ng	# 93
28) Fluoranthene	19.053	202	491708	1.256	ng	# 96
30) Pyrene	19.410	202	316199	0.777	ng	# 93
32) Benzo(a)anthracene	21.164	228	22412	0.066	ng	# 89
33) Chrysene	21.217	228	10700	0.028	ng	# 81
34) Bis(2-ethylhexyl)phtha...	21.111	149	23948	0.289	ng	# 97
40) Dibenzo(a,h)anthracene	25.675	278	239	0.039	ng	# 1

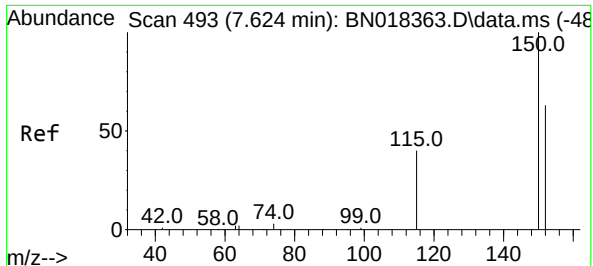
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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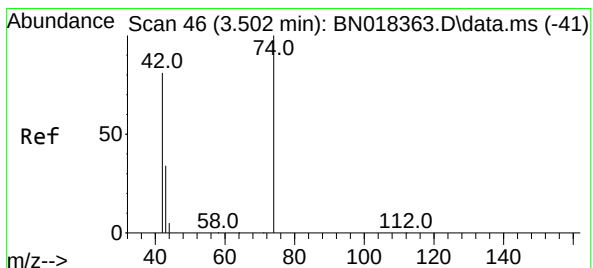
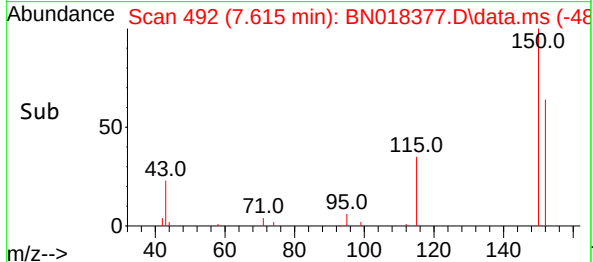
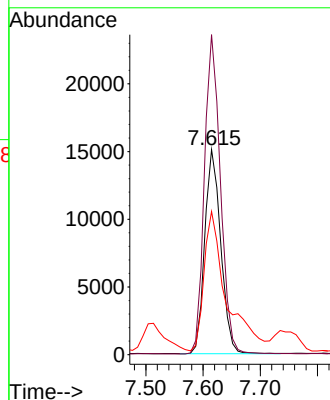
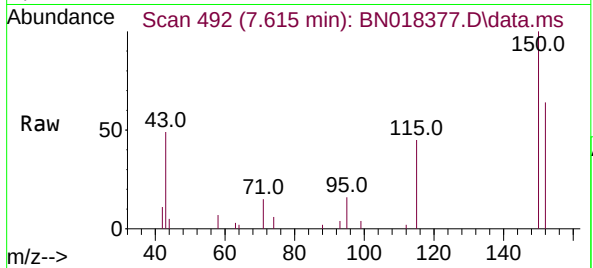




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.615 min Scan# 49
Delta R.T. 0.009 min
Lab File: BN018377.D
Acq: 10 Jan 2022 12:40

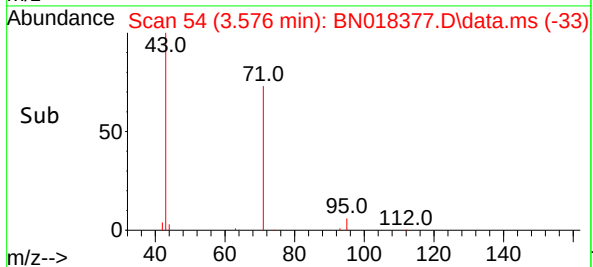
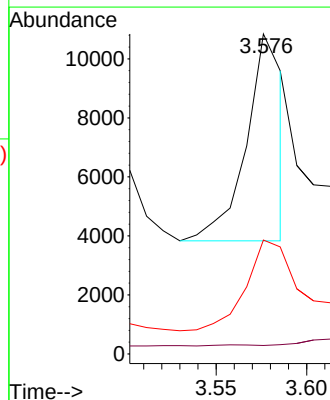
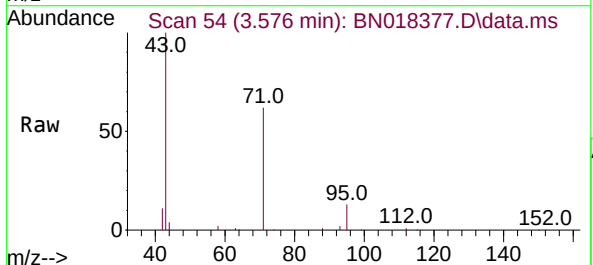
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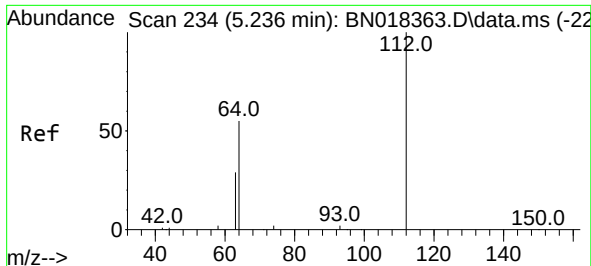
Tgt Ion:152 Resp: 29234
Ion Ratio Lower Upper
152 100
150 156.0 121.7 182.5
115 69.8 43.8 65.8#



#3
n-Nitrosodimethylamine
Concen: 0.376 ng
RT: 3.576 min Scan# 54
Delta R.T. 0.092 min
Lab File: BN018377.D
Acq: 10 Jan 2022 12:40

Tgt Ion: 42 Resp: 9920
Ion Ratio Lower Upper
42 100
74 7.3 108.6 163.0#
44 46.0 5.8 8.8#

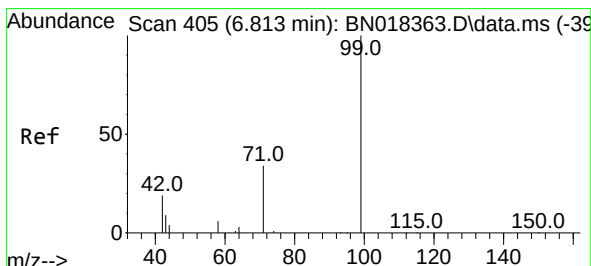
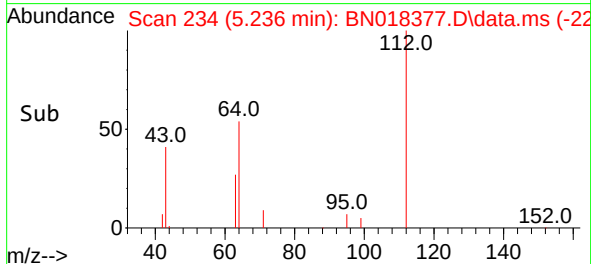
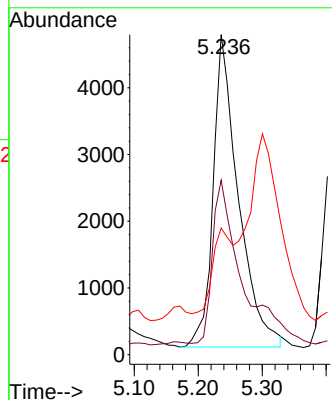
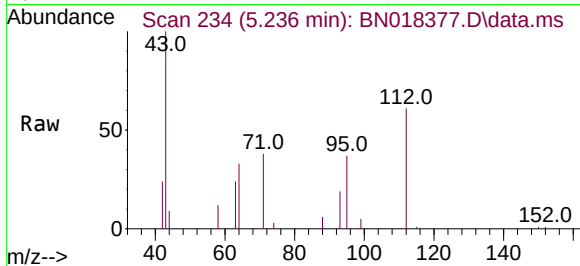




#4
2-Fluorophenol
Concen: 0.178 ng
RT: 5.236 min Scan# 21
Delta R.T. 0.028 min
Lab File: BN018377.D
Acq: 10 Jan 2022 12:40

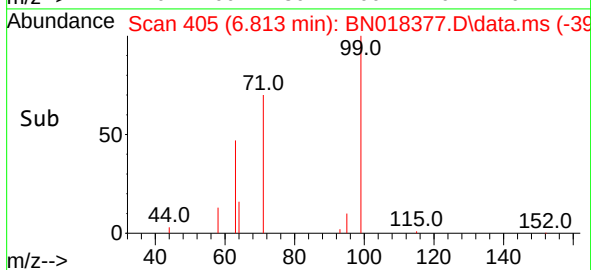
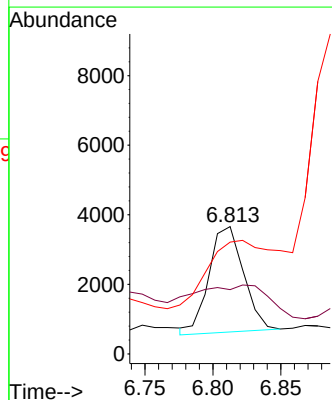
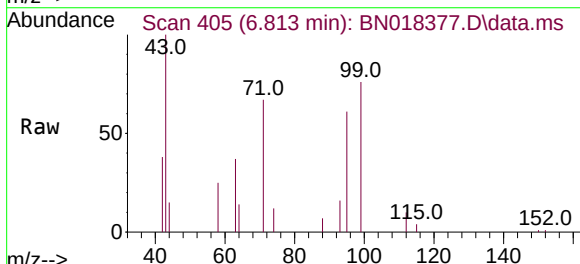
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BNA_N
ClientSampleId :
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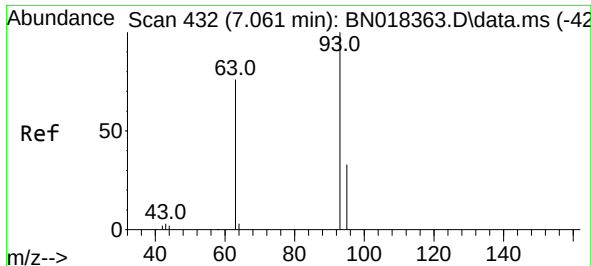
Tgt Ion: 112 Resp: 12784
Ion Ratio Lower Upper
112 100
64 57.9 48.0 72.0
63 21.3 25.3 37.9#



#5
Phenol-d6
Concen: 0.075 ng
RT: 6.813 min Scan# 405
Delta R.T. 0.018 min
Lab File: BN018377.D
Acq: 10 Jan 2022 12:40

Tgt Ion: 99 Resp: 5418
Ion Ratio Lower Upper
99 100
42 69.7 16.3 24.5#
71 124.3 26.8 40.2#

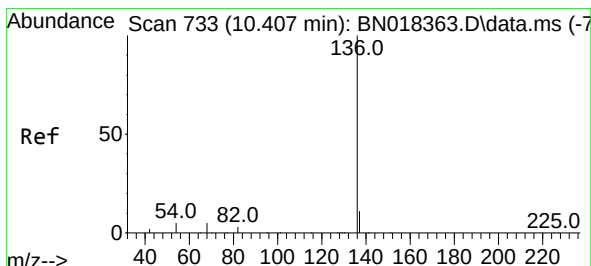
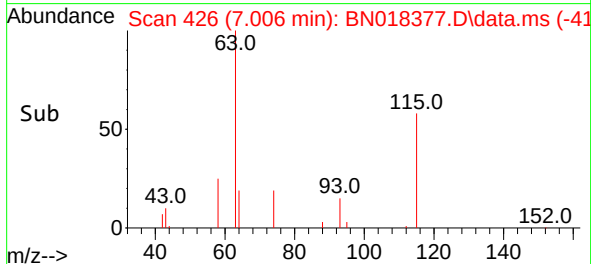
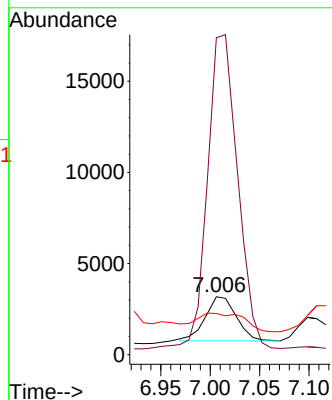
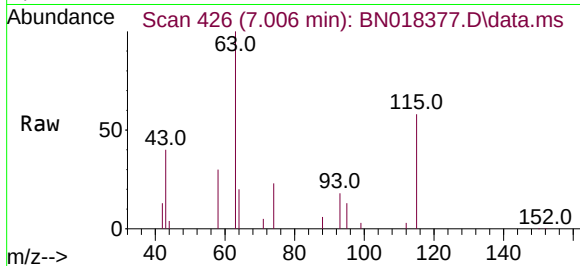




#6
bis(2-Chloroethyl)ether
Concen: 0.068 ng
RT: 7.006 min Scan# 41
Delta R.T. -0.037 min
Lab File: BN018377.D
Acq: 10 Jan 2022 12:40

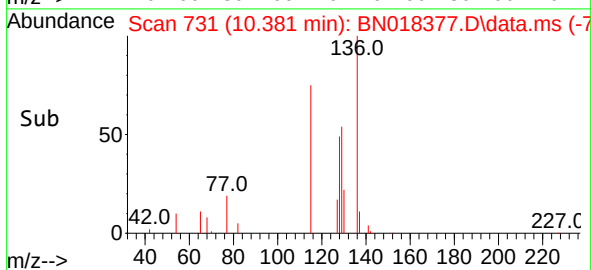
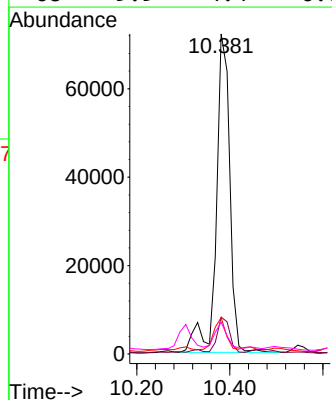
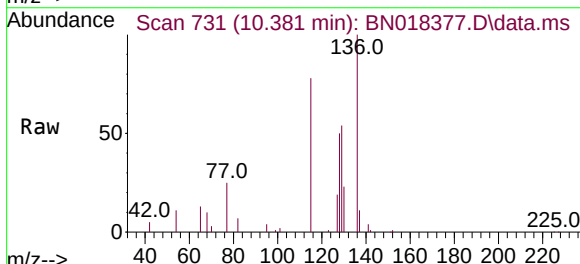
Instrument :
BNA_N
ClientSampleId :
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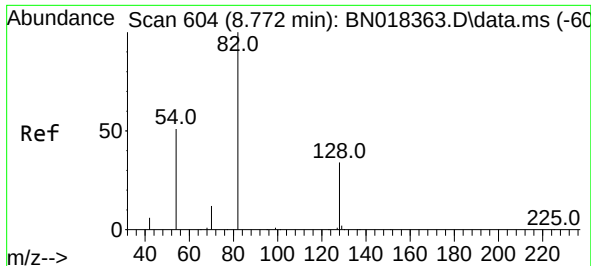
Tgt Ion: 93 Resp: 5290
Ion Ratio Lower Upper
93 100
63 685.4 61.7 92.5#
95 65.6 26.2 39.4#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.381 min Scan# 731
Delta R.T. -0.000 min
Lab File: BN018377.D
Acq: 10 Jan 2022 12:40

Tgt Ion:136 Resp: 145348
Ion Ratio Lower Upper
136 100
137 11.5 8.8 13.2
54 11.4 5.0 7.6#
68 9.9 4.4 6.6#

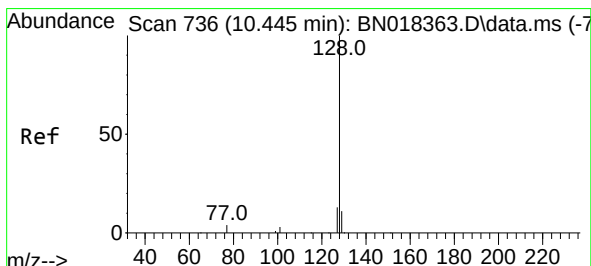
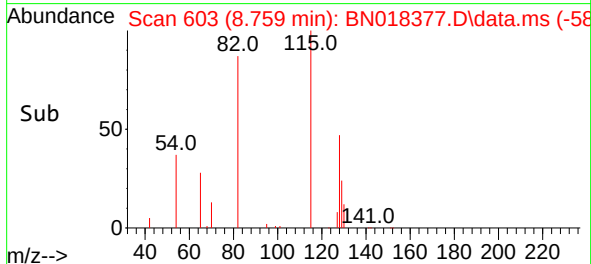
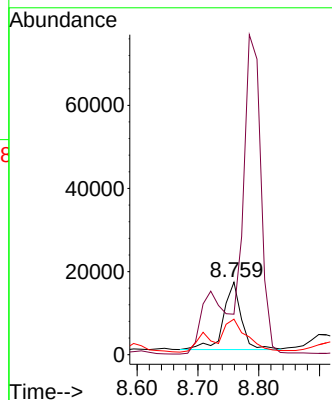
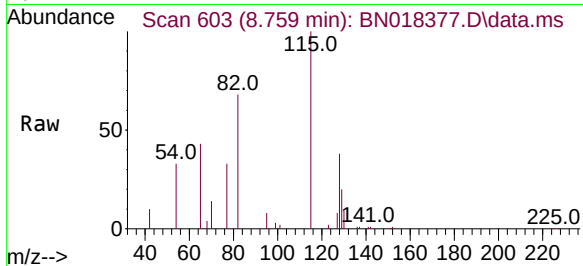




#8
Nitrobenzene-d5
Concen: 0.422 ng
RT: 8.759 min Scan# 604
Delta R.T. -0.000 min
Lab File: BN018377.D
Acq: 10 Jan 2022 12:40

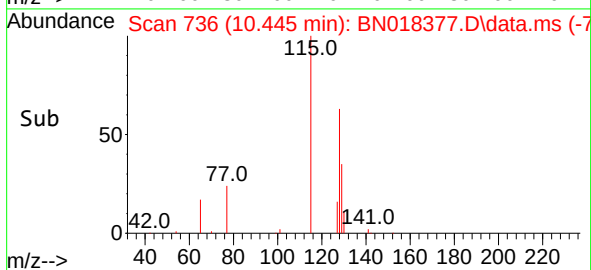
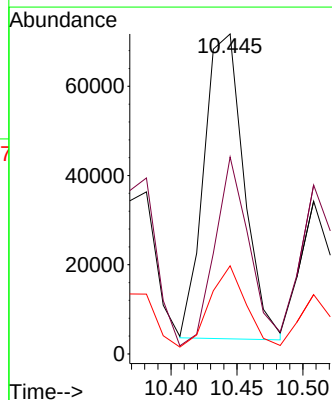
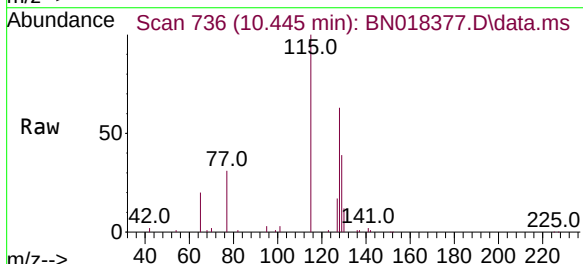
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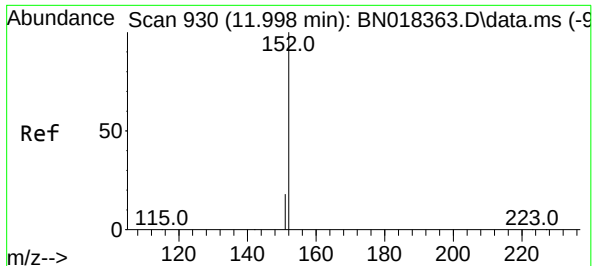
Tgt Ion: 82 Resp: 32945
Ion Ratio Lower Upper
82 100
128 55.7 33.7 50.5#
54 48.9 36.6 55.0



#9
Naphthalene
Concen: 0.391 ng
RT: 10.445 min Scan# 736
Delta R.T. 0.013 min
Lab File: BN018377.D
Acq: 10 Jan 2022 12:40

Tgt Ion: 128 Resp: 144232
Ion Ratio Lower Upper
128 100
129 61.6 8.7 13.1#
127 27.6 10.4 15.6#





#11

2-Methylnaphthalene-d10

Concen: 0.278 ng

RT: 11.981 min Scan# 91

Delta R.T. -0.000 min

Lab File: BN018377.D

Acq: 10 Jan 2022 12:40

Instrument :

BNA_N

ClientSampleId :

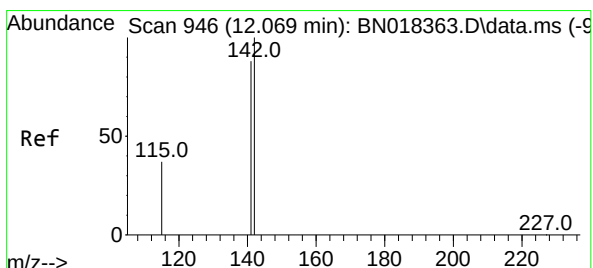
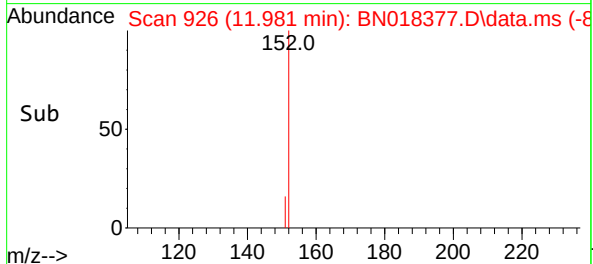
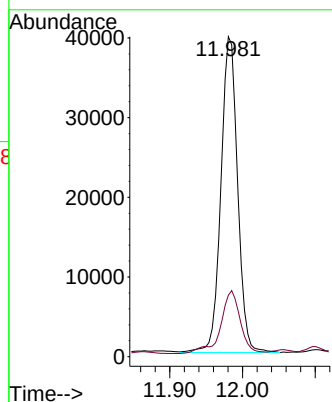
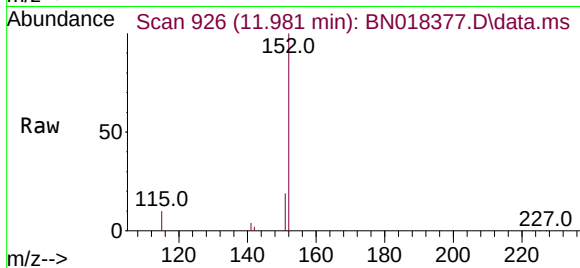
DUP122121

Tgt Ion:152 Resp: 63200

Ion Ratio Lower Upper

152 100

151 23.8 16.2 24.2



#12

2-Methylnaphthalene

Concen: 0.392 ng

RT: 12.056 min Scan# 943

Delta R.T. -0.000 min

Lab File: BN018377.D

Acq: 10 Jan 2022 12:40

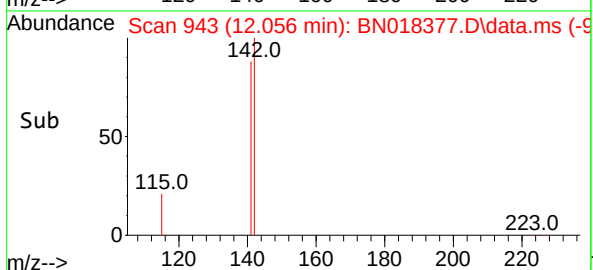
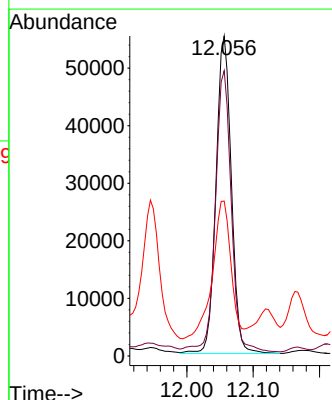
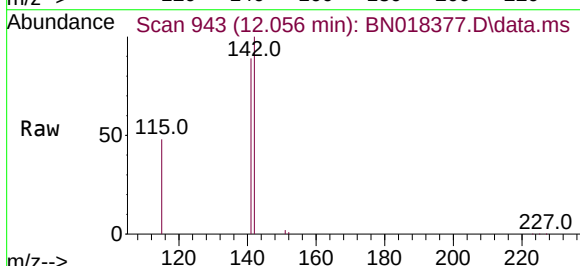
Tgt Ion:142 Resp: 88583

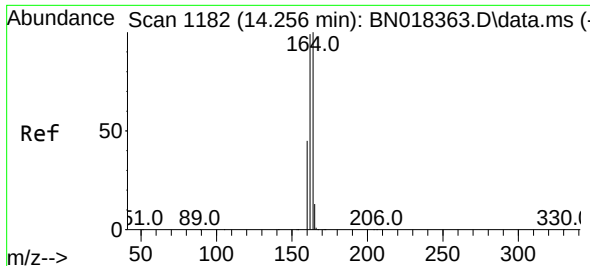
Ion Ratio Lower Upper

142 100

141 89.1 70.0 105.0

115 48.4 27.8 41.8#

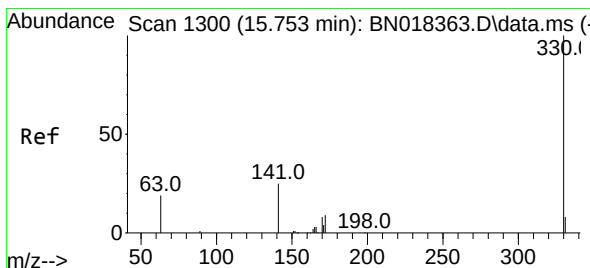
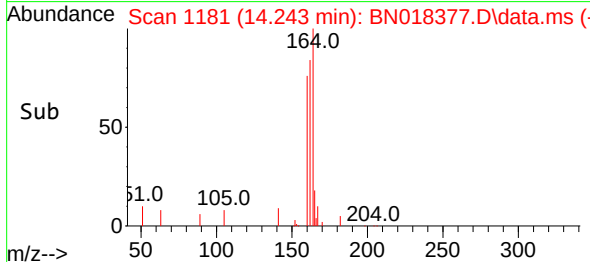
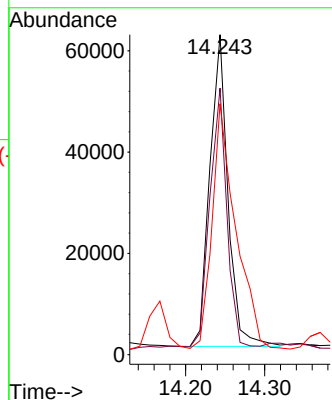
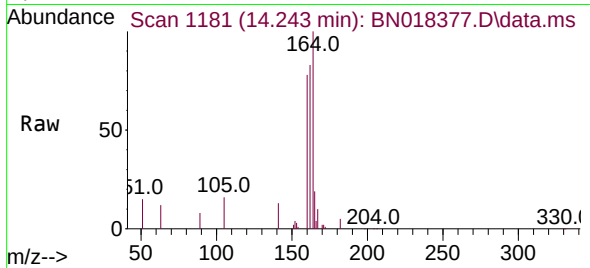




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.243 min Scan# 1182
Delta R.T. 0.000 min
Lab File: BN018377.D
Acq: 10 Jan 2022 12:40

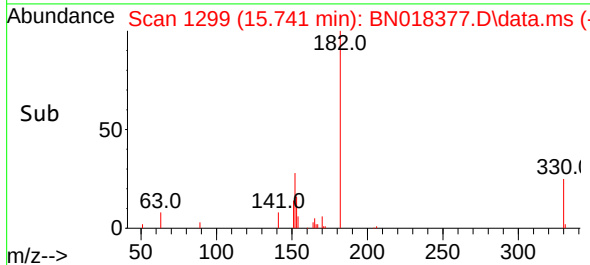
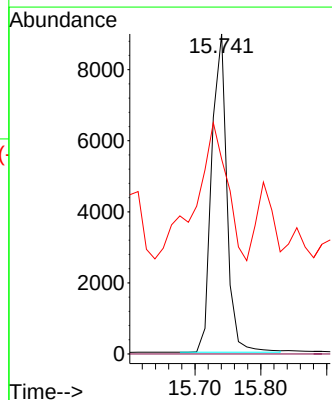
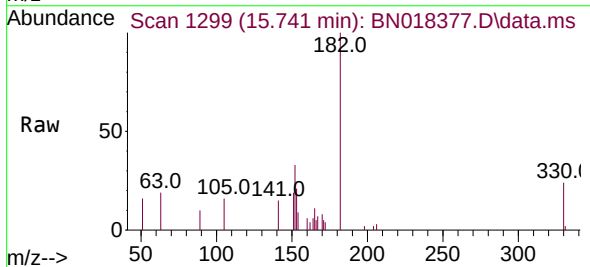
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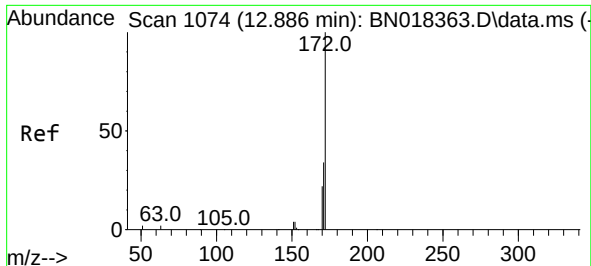
Tgt Ion:164 Resp: 97823
Ion Ratio Lower Upper
164 100
162 83.3 80.2 120.2
160 78.5 36.9 55.3#



#14
2,4,6-Tribromophenol
Concen: 0.463 ng
RT: 15.741 min Scan# 1299
Delta R.T. 0.000 min
Lab File: BN018377.D
Acq: 10 Jan 2022 12:40

Tgt Ion:330 Resp: 14350
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 82.4 21.3 31.9#

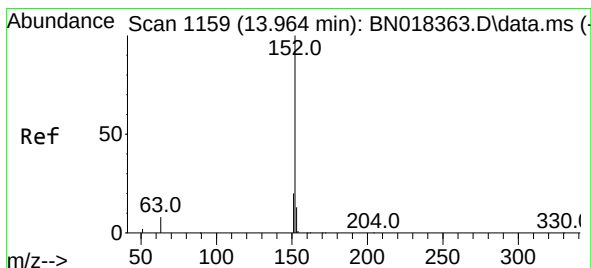
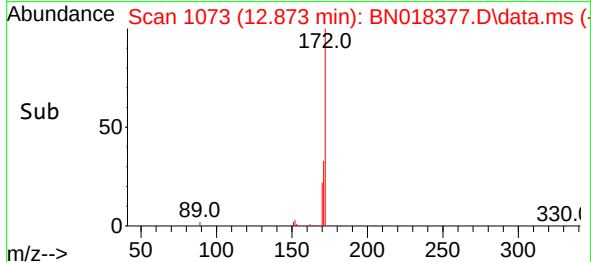
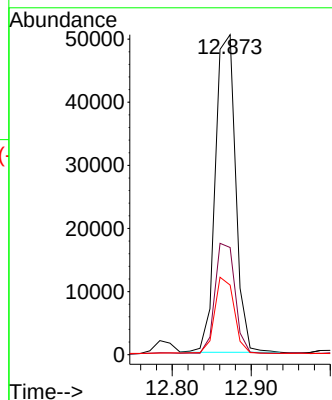
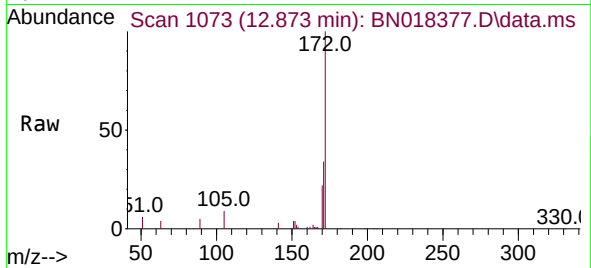




#15
2-Fluorobiphenyl
Concen: 0.253 ng
RT: 12.873 min Scan# 1073
Delta R.T. -0.000 min
Lab File: BN018377.D
Acq: 10 Jan 2022 12:40

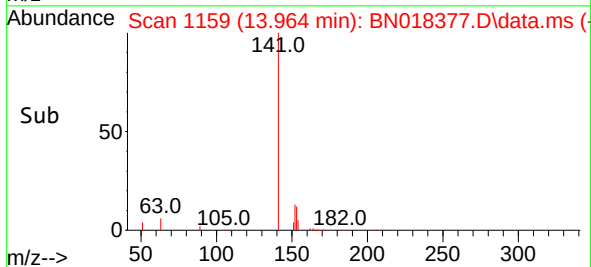
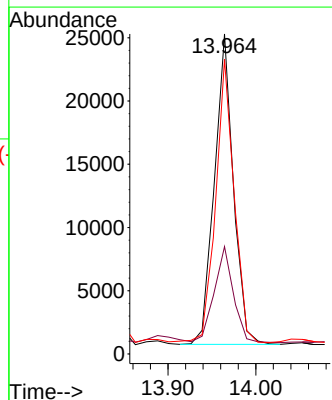
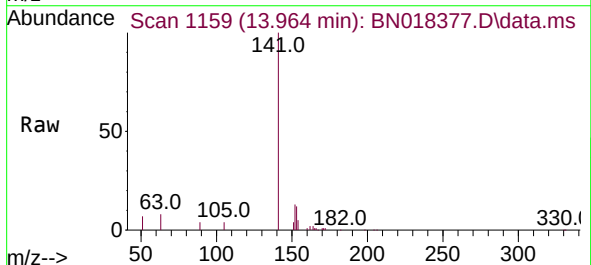
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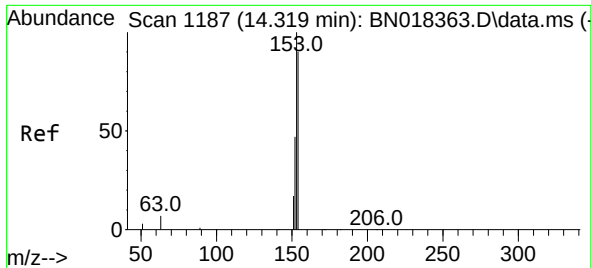
Tgt Ion:172 Resp: 89355
Ion Ratio Lower Upper
172 100
171 33.5 27.4 41.0
170 21.7 18.4 27.6



#16
Acenaphthylene
Concen: 0.095 ng
RT: 13.964 min Scan# 1159
Delta R.T. 0.013 min
Lab File: BN018377.D
Acq: 10 Jan 2022 12:40

Tgt Ion:152 Resp: 36937
Ion Ratio Lower Upper
152 100
151 31.2 15.8 23.6#
153 88.6 10.5 15.7#

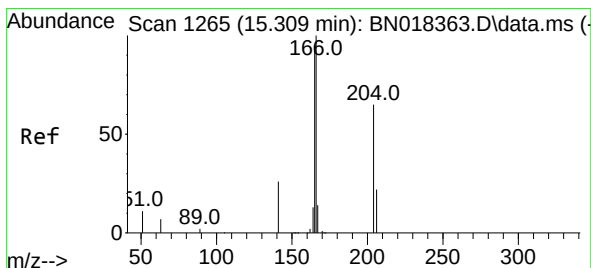
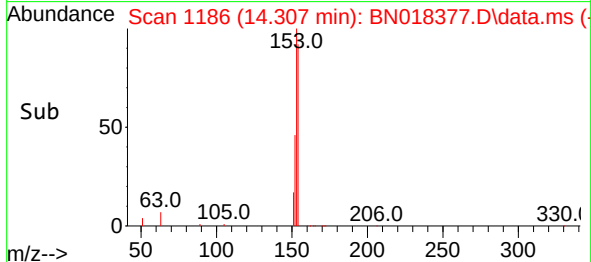
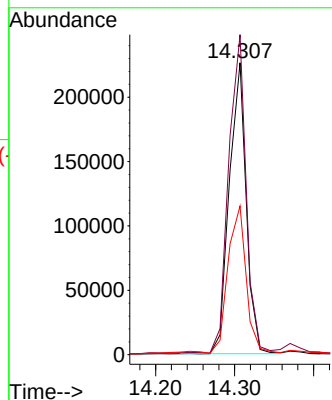
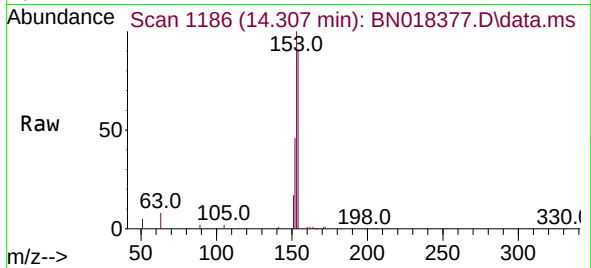




#17
Acenaphthene
Concen: 1.241 ng
RT: 14.307 min Scan# 1186
Delta R.T. 0.000 min
Lab File: BN018377.D
Acq: 10 Jan 2022 12:40

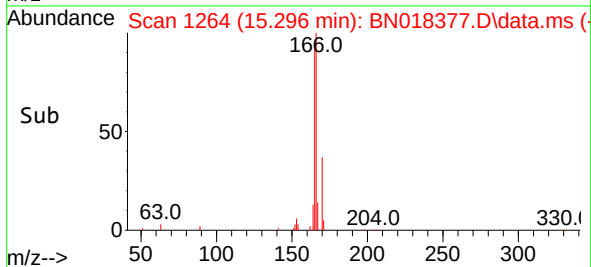
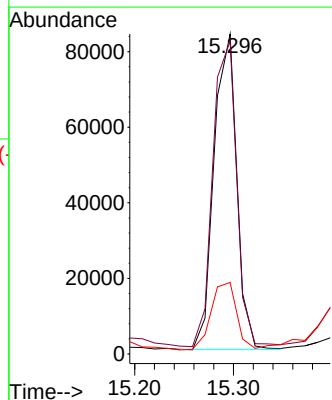
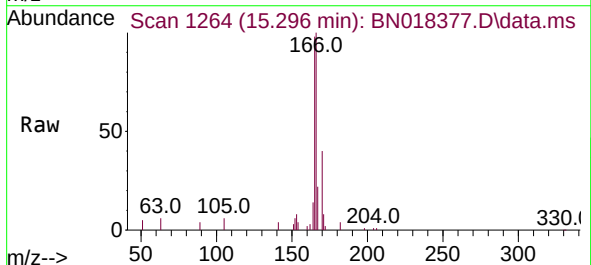
Instrument :
BNA_N
ClientSampleId :
DUP122121

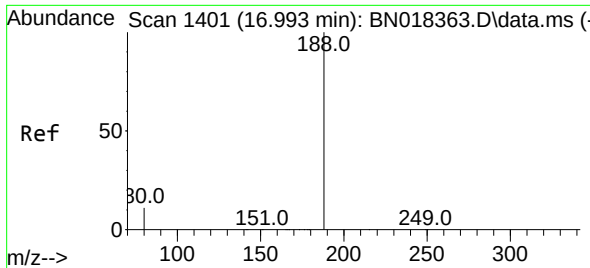
Tgt Ion:154 Resp: 336441
Ion Ratio Lower Upper
154 100
153 112.3 90.9 136.3
152 53.9 45.0 67.4



#18
Fluorene
Concen: 0.437 ng
RT: 15.296 min Scan# 1264
Delta R.T. 0.000 min
Lab File: BN018377.D
Acq: 10 Jan 2022 12:40

Tgt Ion:166 Resp: 133077
Ion Ratio Lower Upper
166 100
165 100.7 77.8 116.6
167 24.2 10.9 16.3#

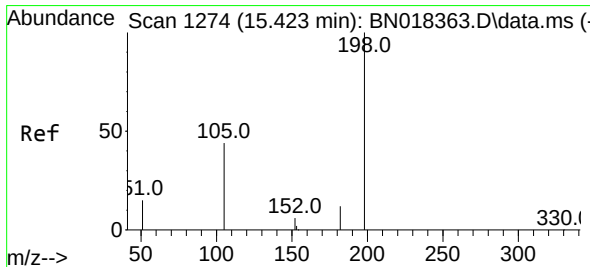
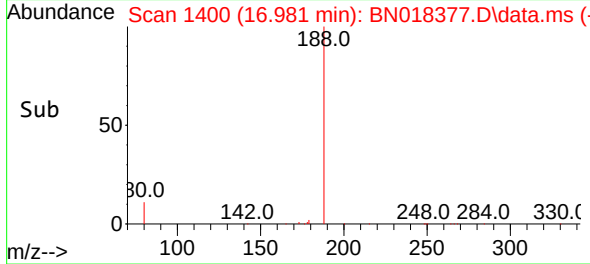
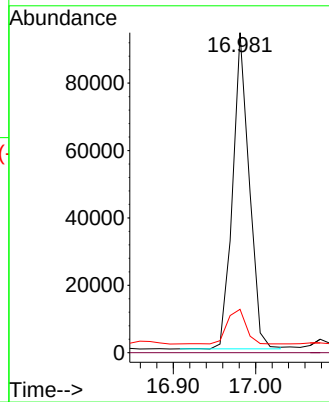
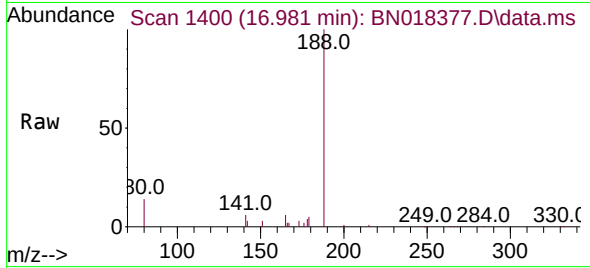




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.981 min Scan# 1401
Delta R.T. -0.000 min
Lab File: BN018377.D
Acq: 10 Jan 2022 12:40

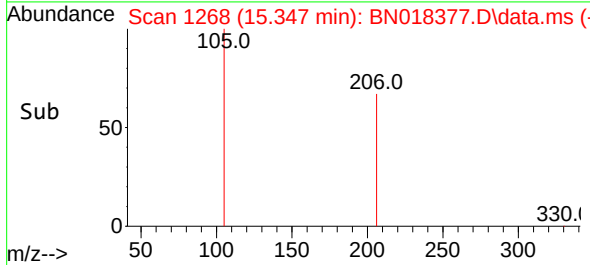
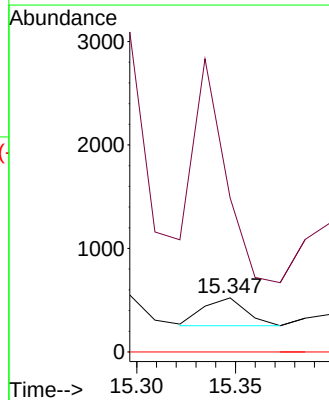
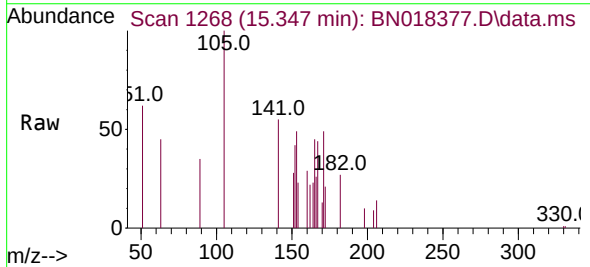
Instrument :
BNA_N
ClientSampleId :
DUP122121

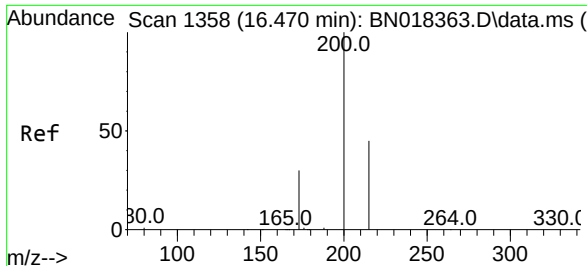
Tgt Ion:188 Resp: 131155
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.5 7.0 10.4#



#20
4,6-Dinitro-2-methylphenol
Concen: 0.241 ng
RT: 15.347 min Scan# 1268
Delta R.T. -0.051 min
Lab File: BN018377.D
Acq: 10 Jan 2022 12:40

Tgt Ion:198 Resp: 403
Ion Ratio Lower Upper
198 100
182 284.5 15.5 23.3#
77 0.0 0.0 0.0

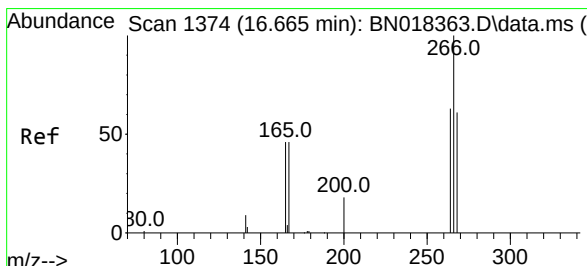
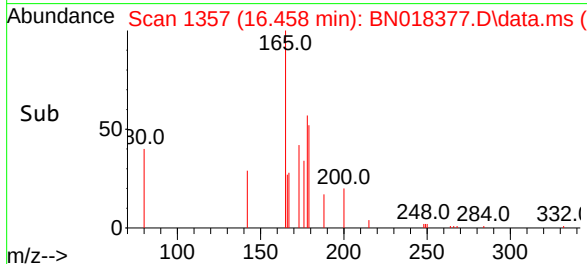
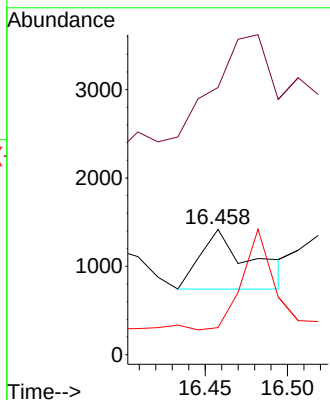
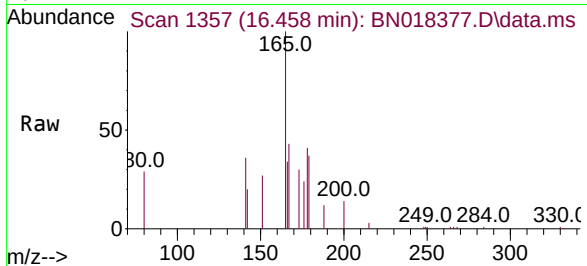




#23
Atrazine
Concen: 0.121 ng
RT: 16.458 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN018377.D
Acq: 10 Jan 2022 12:40

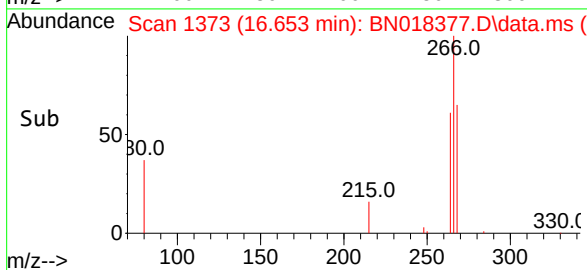
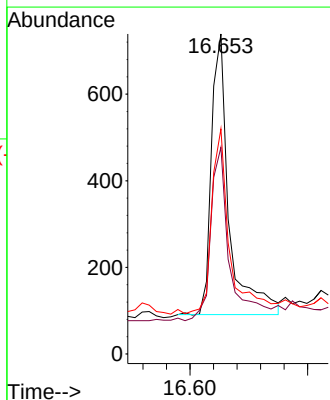
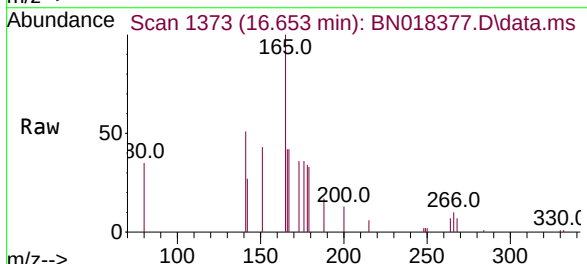
Instrument :
BNA_N
ClientSampleId :
DUP122121

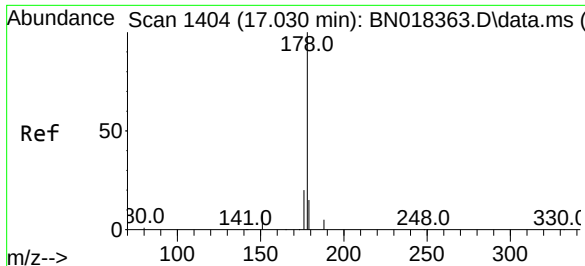
Tgt Ion:200 Resp: 1454
Ion Ratio Lower Upper
200 100
173 213.3 20.3 30.5#
215 21.5 40.4 60.6#



#24
Pentachlorophenol
Concen: 0.370 ng
RT: 16.653 min Scan# 1373
Delta R.T. -0.000 min
Lab File: BN018377.D
Acq: 10 Jan 2022 12:40

Tgt Ion:266 Resp: 1352
Ion Ratio Lower Upper
266 100
264 65.9 49.5 74.3
268 67.8 50.6 76.0

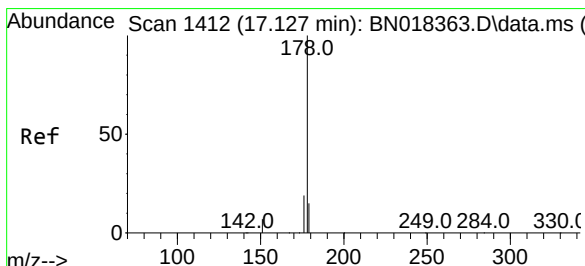
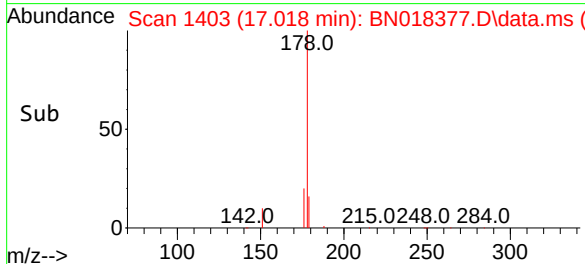
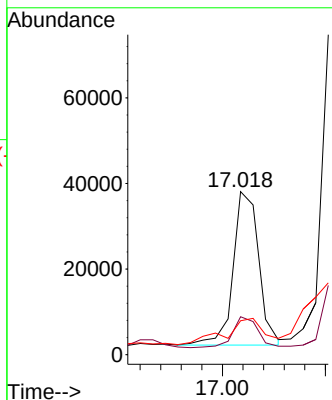
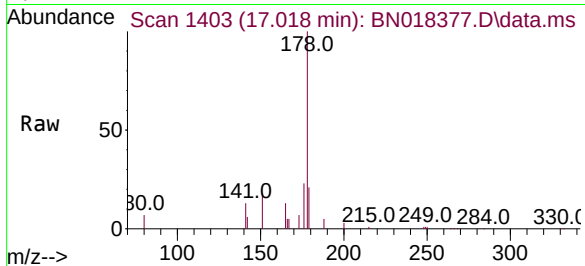




#25
Phenanthrene
Concen: 0.169 ng
RT: 17.018 min Scan# 1410
Delta R.T. -0.012 min
Lab File: BN018377.D
Acq: 10 Jan 2022 12:40

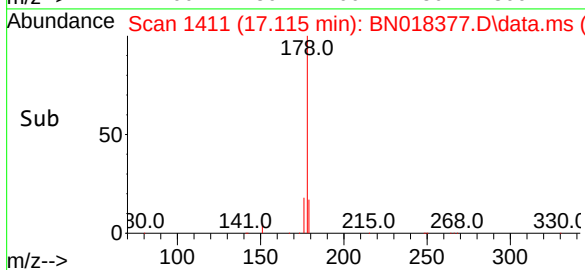
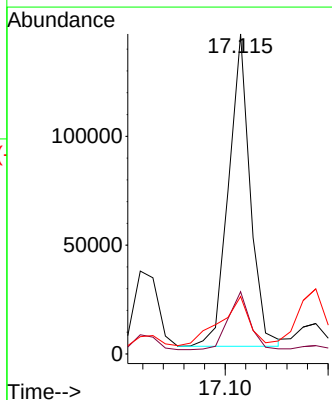
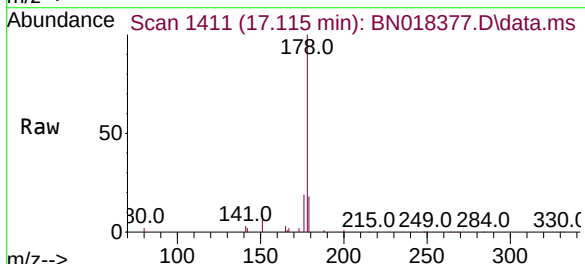
Instrument :
BNA_N
ClientSampleId :
DUP122121

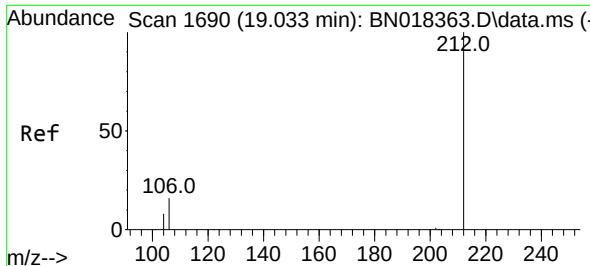
Tgt Ion:178 Resp: 62149
Ion Ratio Lower Upper
178 100
176 19.9 15.3 22.9
179 25.8 12.3 18.5#



#26
Anthracene
Concen: 0.684 ng
RT: 17.115 min Scan# 1411
Delta R.T. 0.000 min
Lab File: BN018377.D
Acq: 10 Jan 2022 12:40

Tgt Ion:178 Resp: 208434
Ion Ratio Lower Upper
178 100
176 18.6 14.8 22.2
179 21.6 12.2 18.4#

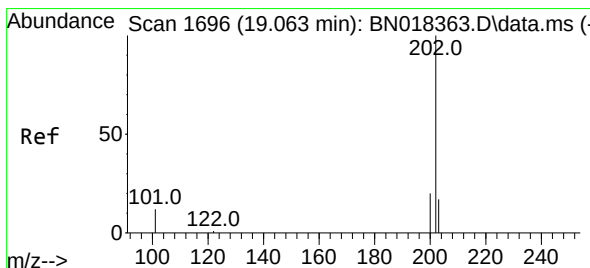
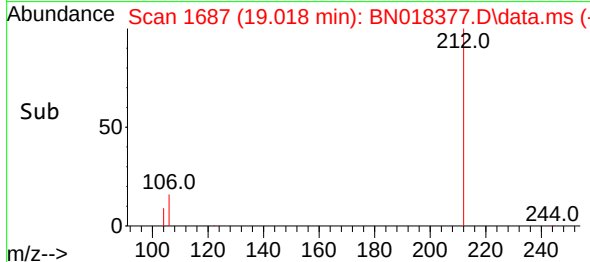
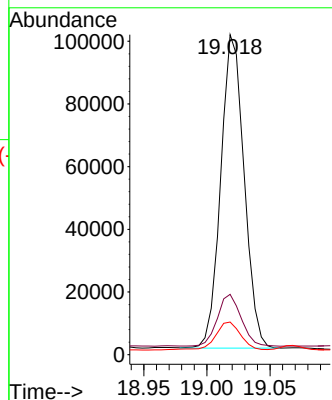
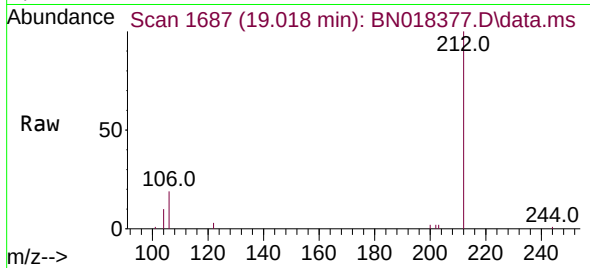




#27
Fluoranthene-d10
Concen: 0.344 ng
RT: 19.018 min Scan# 1687
Delta R.T. -0.005 min
Lab File: BN018377.D
Acq: 10 Jan 2022 12:40

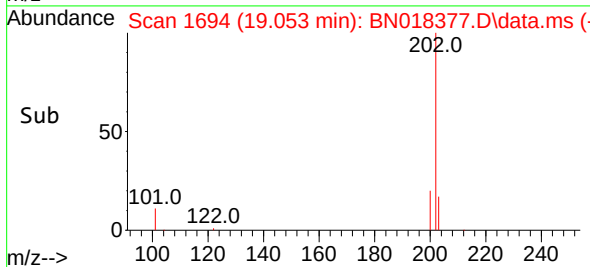
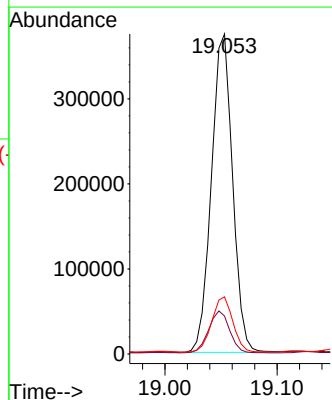
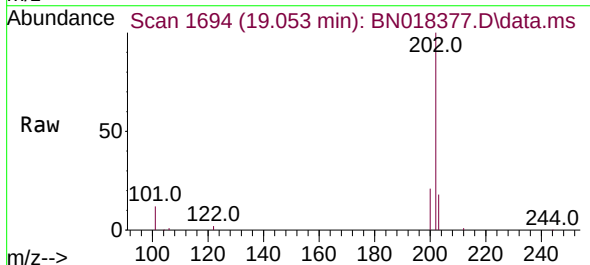
Instrument :
BNA_N
ClientSampleId :
DUP122121

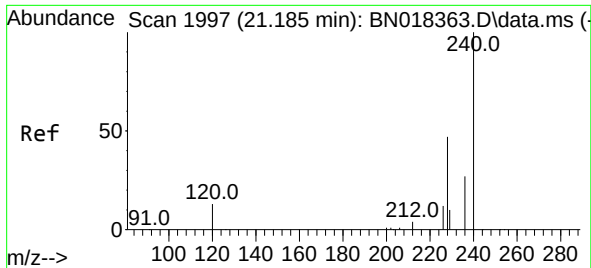
Tgt Ion:212 Resp: 128767
Ion Ratio Lower Upper
212 100
106 16.8 8.4 12.6#
104 9.8 4.5 6.7#



#28
Fluoranthene
Concen: 1.256 ng
RT: 19.053 min Scan# 1694
Delta R.T. -0.000 min
Lab File: BN018377.D
Acq: 10 Jan 2022 12:40

Tgt Ion:202 Resp: 491708
Ion Ratio Lower Upper
202 100
101 13.0 7.2 10.8#
203 17.2 13.7 20.5

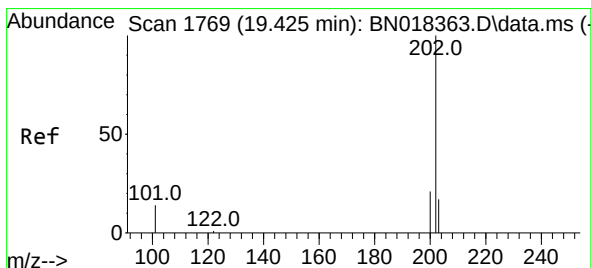
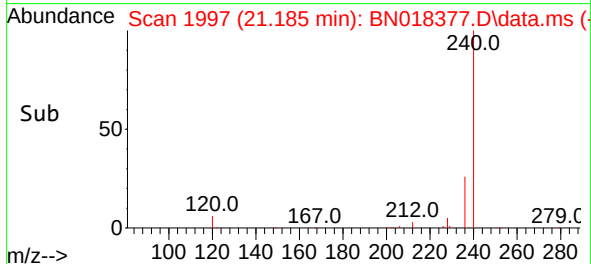
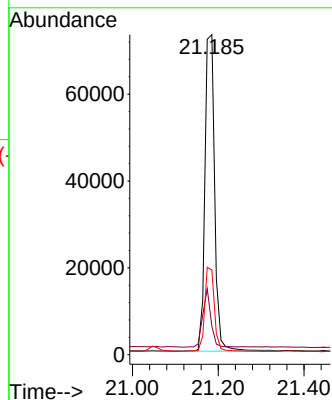
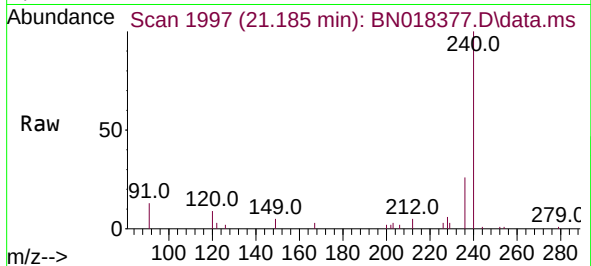




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.185 min Scan# 1997
Delta R.T. -0.000 min
Lab File: BN018377.D
Acq: 10 Jan 2022 12:40

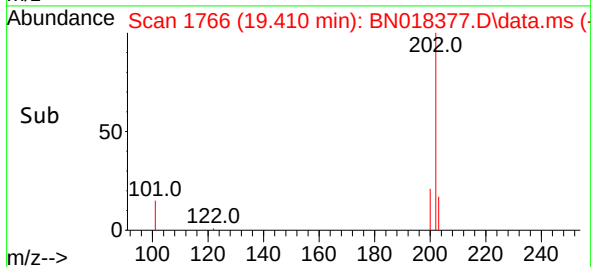
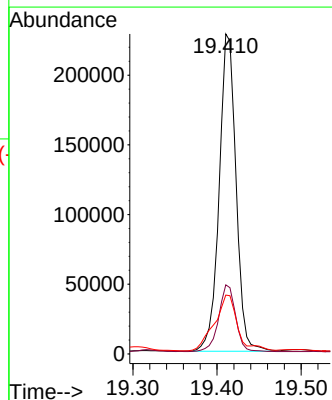
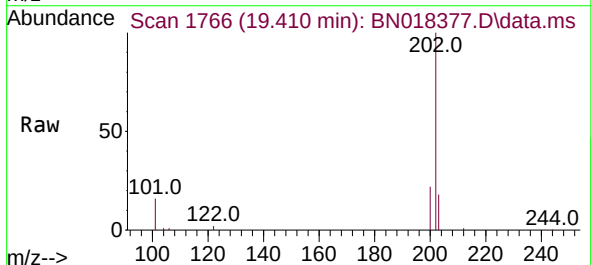
Instrument :
BNA_N
ClientSampleId :
DUP122121

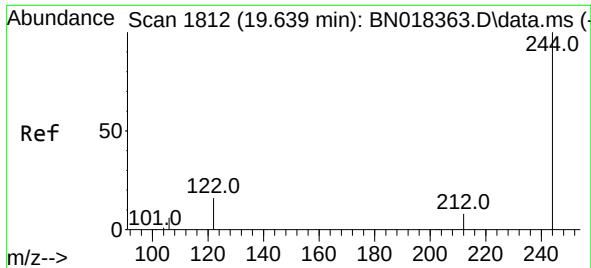
Tgt Ion:240 Resp: 114911
Ion Ratio Lower Upper
240 100
120 8.9 6.0 9.0
236 26.5 21.4 32.2



#30
Pyrene
Concen: 0.777 ng
RT: 19.410 min Scan# 1766
Delta R.T. -0.005 min
Lab File: BN018377.D
Acq: 10 Jan 2022 12:40

Tgt Ion:202 Resp: 316199
Ion Ratio Lower Upper
202 100
200 21.1 16.6 25.0
203 23.8 14.1 21.1#

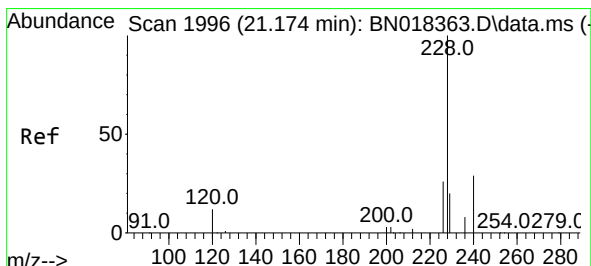
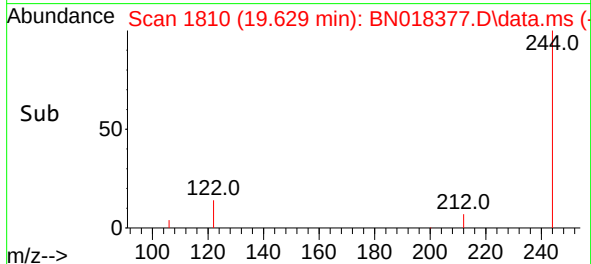
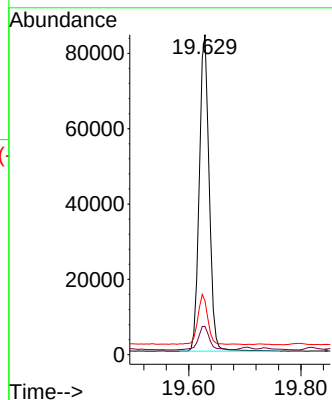
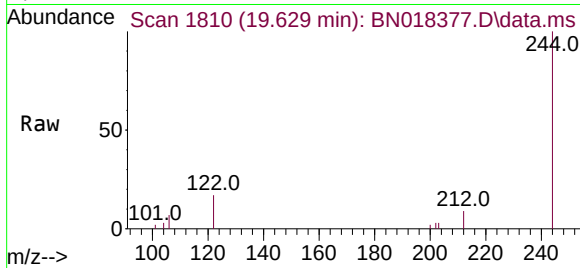




#31
 Terphenyl-d14
 Concen: 0.413 ng
 RT: 19.629 min Scan# 11
 Delta R.T. -0.005 min
 Lab File: BN018377.D
 Acq: 10 Jan 2022 12:40

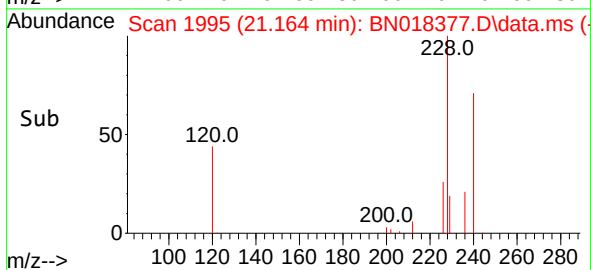
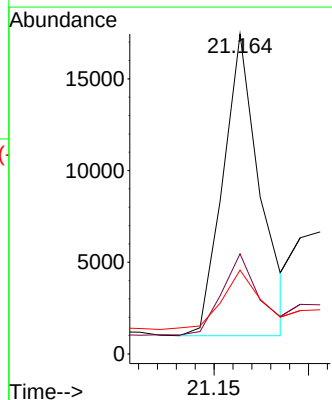
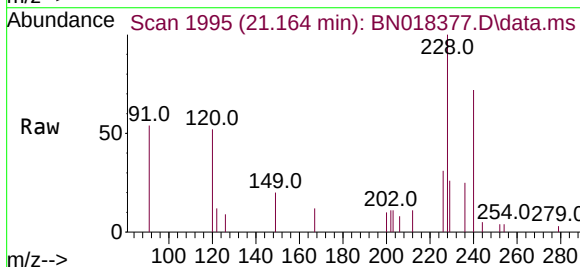
Instrument :
 BNA_N
 ClientSampleId :
 DUP122121

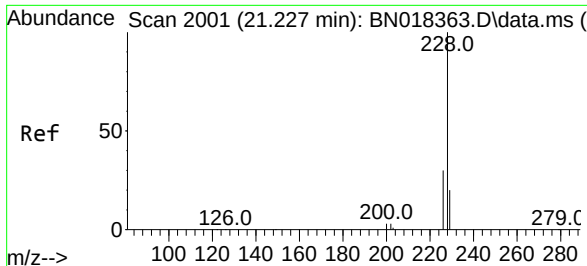
Tgt Ion:244 Resp: 102695
 Ion Ratio Lower Upper
 244 100
 212 8.8 6.2 9.2
 122 16.8 7.9 11.9#



#32
 Benzo(a)anthracene
 Concen: 0.066 ng
 RT: 21.164 min Scan# 1995
 Delta R.T. -0.000 min
 Lab File: BN018377.D
 Acq: 10 Jan 2022 12:40

Tgt Ion:228 Resp: 22412
 Ion Ratio Lower Upper
 228 100
 226 31.3 21.3 31.9
 229 26.2 15.9 23.9#





#33

Chrysene

Concen: 0.028 ng

RT: 21.217 min Scan# 2001

Delta R.T. -0.000 min

Lab File: BN018377.D

Acq: 10 Jan 2022 12:40

Instrument :

BNA_N

ClientSampleId :

DUP122121

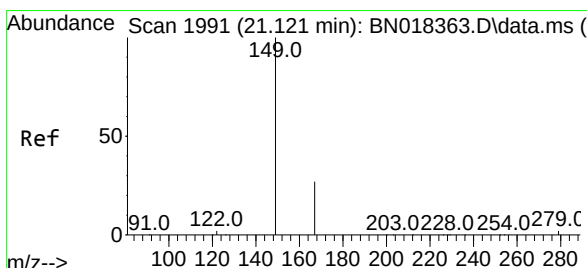
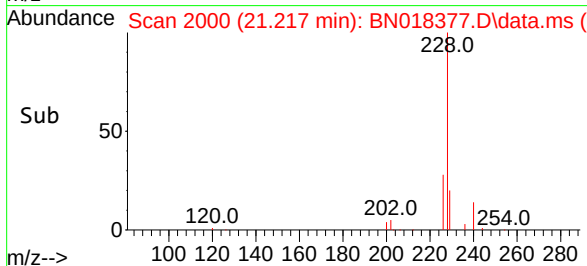
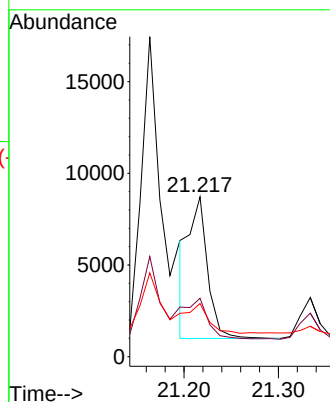
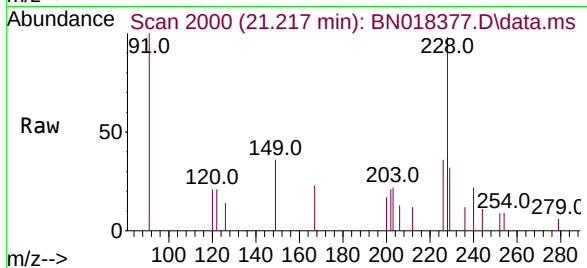
Tgt Ion:228 Resp: 10700

Ion Ratio Lower Upper

228 100

226 36.5 24.2 36.4#

229 33.2 15.5 23.3#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.289 ng

RT: 21.111 min Scan# 1990

Delta R.T. -0.000 min

Lab File: BN018377.D

Acq: 10 Jan 2022 12:40

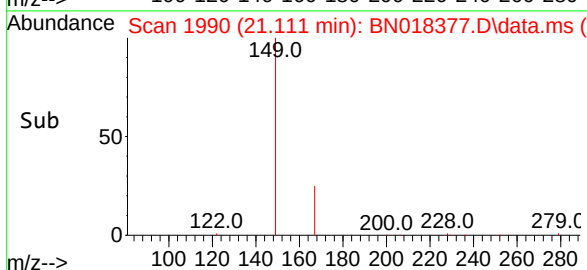
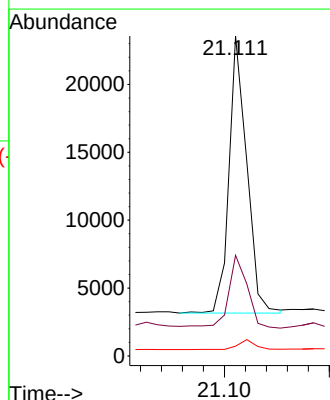
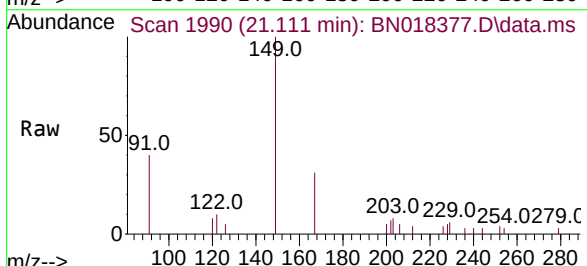
Tgt Ion:149 Resp: 23948

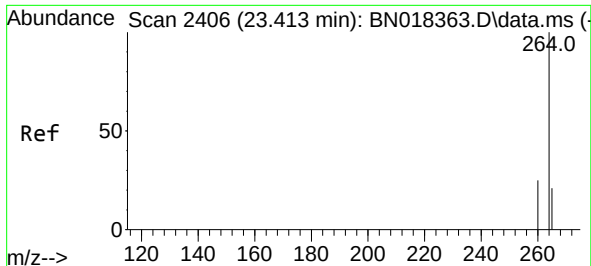
Ion Ratio Lower Upper

149 100

167 28.0 23.7 35.5

279 3.6 3.6 5.4#

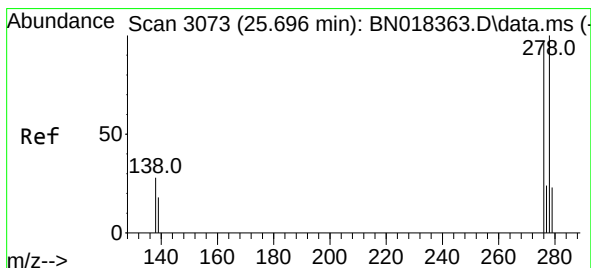
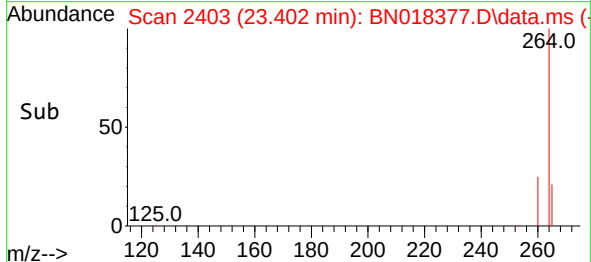
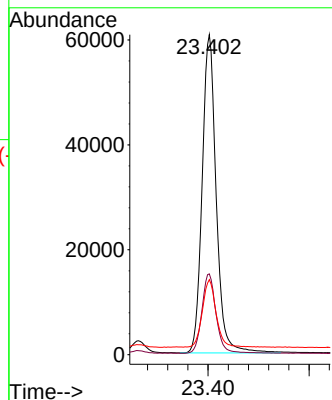
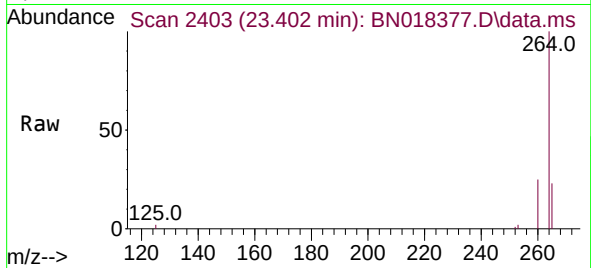




#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.402 min Scan# 24
 Delta R.T. -0.003 min
 Lab File: BN018377.D
 Acq: 10 Jan 2022 12:40

Instrument :
 BNA_N
 ClientSampleId :
 DUP122121

Tgt Ion:264 Resp: 117111
 Ion Ratio Lower Upper
 264 100
 260 25.3 20.2 30.4
 265 23.5 18.2 27.2



#40
 Dibenzo(a,h)anthracene
 Concen: 0.039 ng
 RT: 25.675 min Scan# 3067
 Delta R.T. -0.007 min
 Lab File: BN018377.D
 Acq: 10 Jan 2022 12:40

Tgt Ion:278 Resp: 239
 Ion Ratio Lower Upper
 278 100
 139 229.5 10.8 16.2#
 279 136.7 19.0 28.4#

