

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040522\
 Data File : BN019360.D
 Acq On : 05 Apr 2022 21:16
 Operator : CG/JU
 Sample : N2220-08 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DUP0331

Quant Time: Apr 06 02:32:13 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN040422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 04 17:40:00 2022
 Response via : Initial Calibration

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

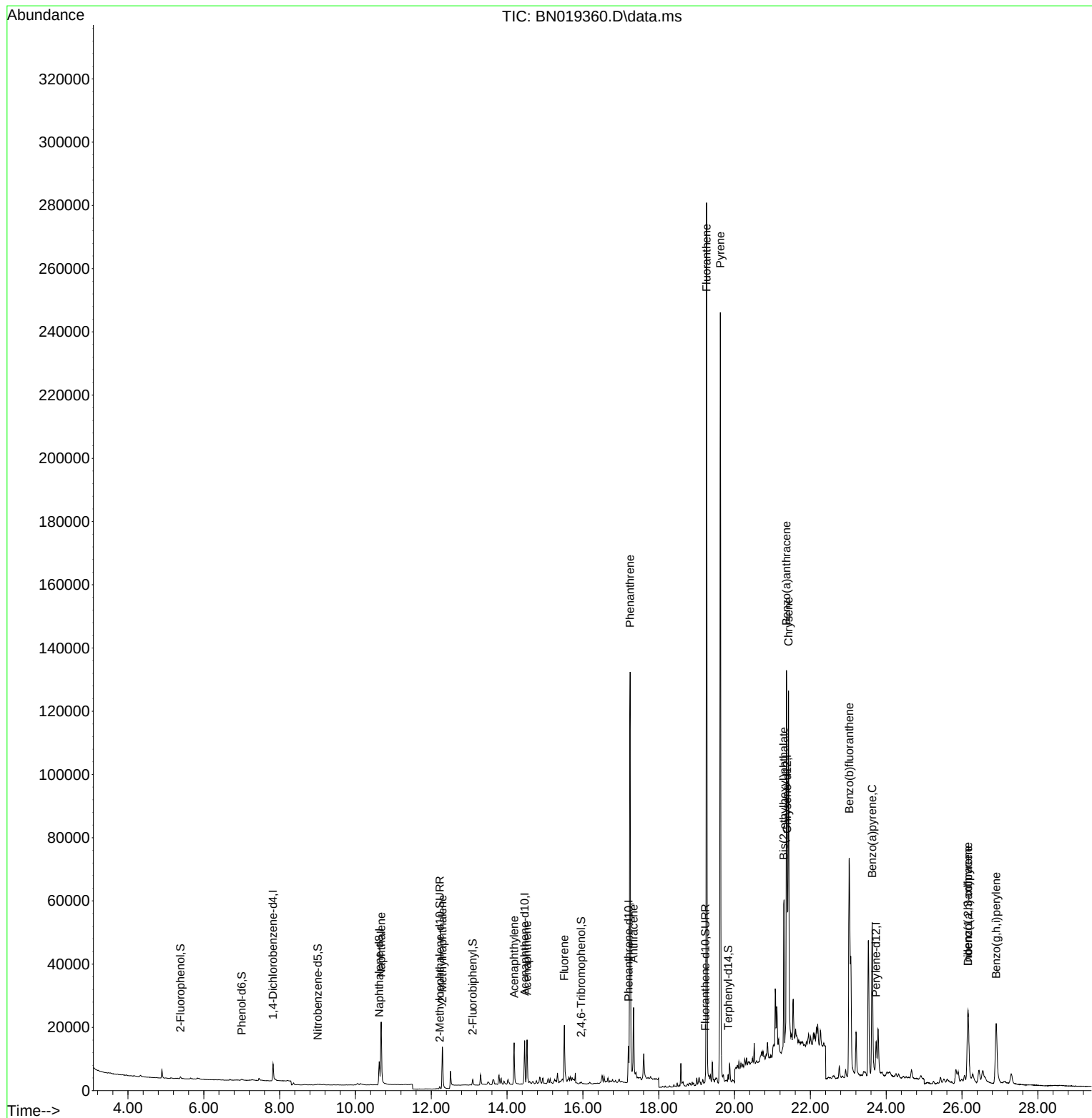
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.825	152	3153	0.400	ng	0.00
7) Naphthalene-d8	10.626	136	10678	0.400	ng	# 0.00
13) Acenaphthene-d10	14.463	164	7543	0.400	ng	0.00
19) Phenanthrene-d10	17.205	188	17113	0.400	ng	# 0.00
29) Chrysene-d12	21.386	240	16572	0.400	ng	# 0.00
35) Perylene-d12	23.735	264	14771	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	585	0.069	ng	0.00
5) Phenol-d6	7.002	99	484	0.048	ng	0.01
8) Nitrobenzene-d5	9.003	82	388	0.040	ng	0.02
11) 2-Methylnaphthalene-d10	12.223	152	1148	0.061	ng	0.00
14) 2,4,6-Tribromophenol	15.954	330	249	0.054	ng	0.00
15) 2-Fluorobiphenyl	13.095	172	1675	0.053	ng	0.00
27) Fluoranthene-d10	19.232	212	3183	0.058	ng	0.00
31) Terphenyl-d14	19.830	244	2006	0.056	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.680	128	29831	0.946	ng	100
12) 2-Methylnaphthalene	12.295	142	11095	0.508	ng	99
16) Acenaphthylene	14.185	152	15196	0.406	ng	100
17) Acenaphthene	14.527	154	7184	0.289	ng	99
18) Fluorene	15.511	166	12342	0.376	ng	98
25) Phenanthrene	17.246	178	146606	2.553	ng	100
26) Anthracene	17.338	178	30104	0.596	ng	98
28) Fluoranthene	19.261	202	254417	3.736	ng	99
30) Pyrene	19.624	202	218733	2.837	ng	# 96
32) Benzo(a)anthracene	21.369	228	111276	1.817	ng	97
33) Chrysene	21.422	228	103290	1.518	ng	98
34) Bis(2-ethylhexyl)phtha...	21.297	149	47126	1.034	ng	# 99
36) Indeno(1,2,3-cd)pyrene	26.159	276	42584	0.689	ng	# 88
37) Benzo(b)fluoranthene	23.024	252	127481	2.202	ng	98
39) Benzo(a)pyrene	23.630	252	75395	1.450	ng	96
40) Dibenzo(a,h)anthracene	26.159	278	9910	0.207	ng	# 79
41) Benzo(g,h,i)perylene	26.901	276	44202	0.771	ng	98

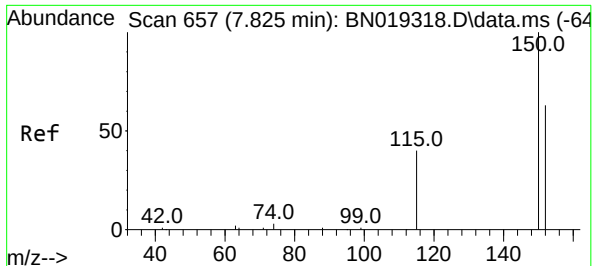
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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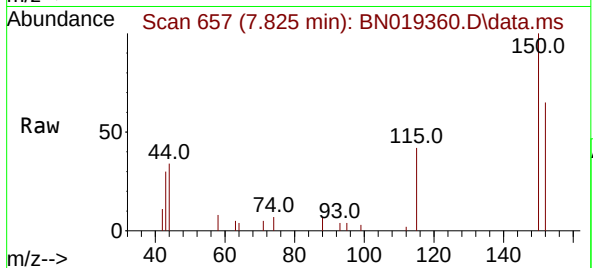
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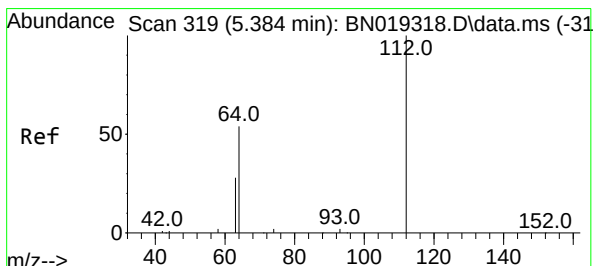
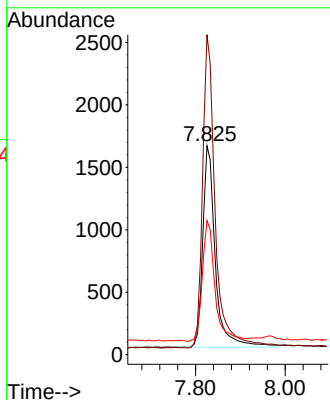
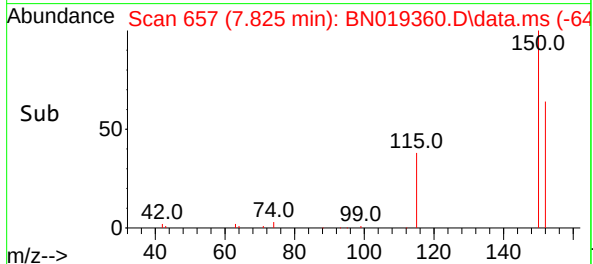


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.825 min Scan# 657
Delta R.T. 0.000 min
Lab File: BN019360.D
Acq: 05 Apr 2022 21:16

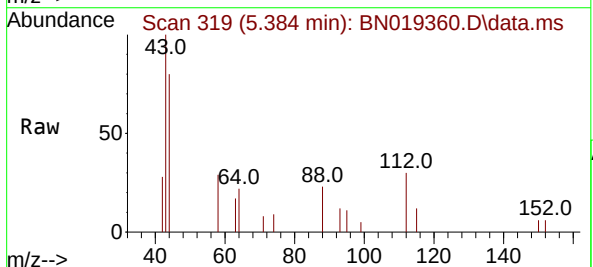
Instrument :
BNA_N
ClientSampleId :
DUP0331



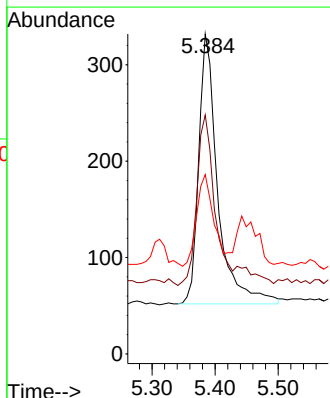
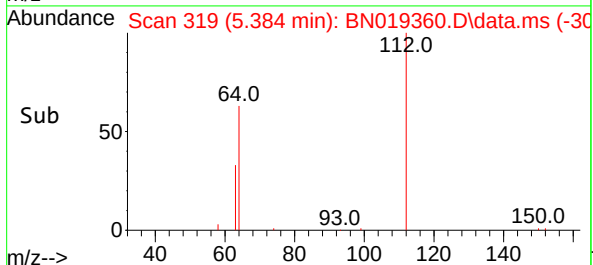
Tgt Ion:152 Resp: 3153
Ion Ratio Lower Upper
152 100
150 153.2 123.9 185.9
115 64.2 48.2 72.4

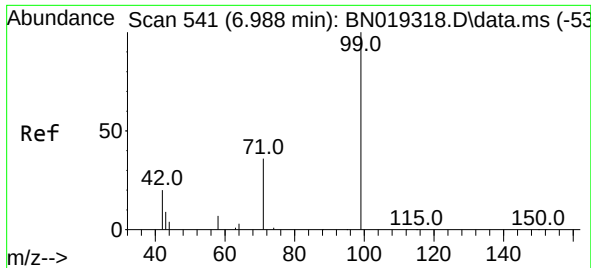


#4
2-Fluorophenol
Concen: 0.069 ng
RT: 5.384 min Scan# 319
Delta R.T. 0.000 min
Lab File: BN019360.D
Acq: 05 Apr 2022 21:16



Tgt Ion:112 Resp: 585
Ion Ratio Lower Upper
112 100
64 59.0 47.8 71.8
63 31.1 25.7 38.5

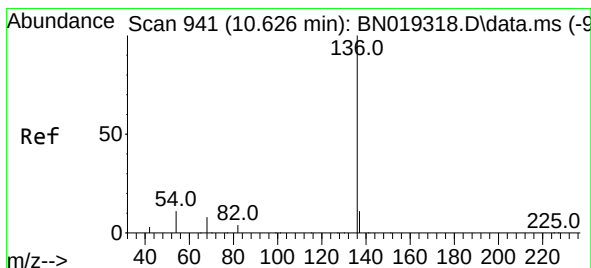
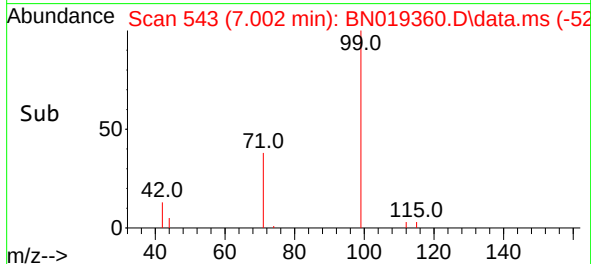
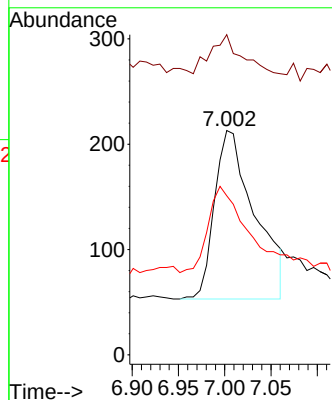
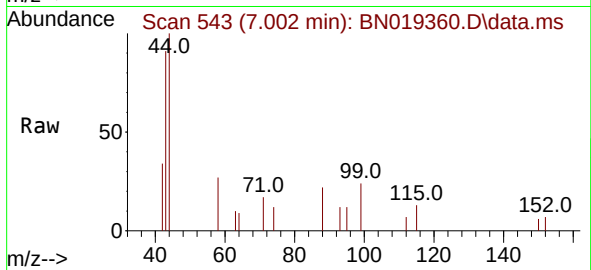




#5
Phenol-d6
Concen: 0.048 ng
RT: 7.002 min Scan# 541
Delta R.T. 0.014 min
Lab File: BN019360.D
Acq: 05 Apr 2022 21:16

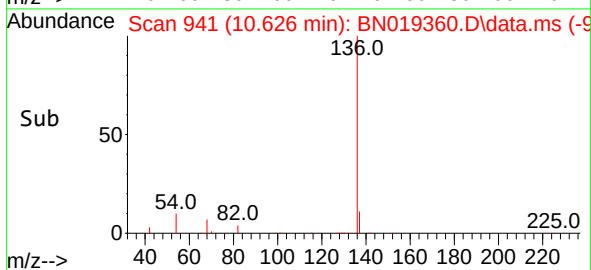
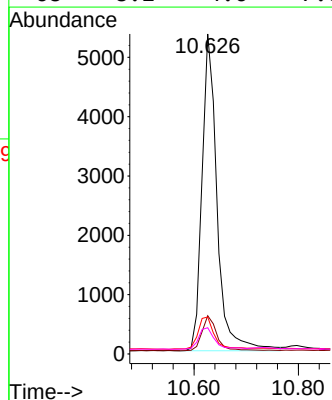
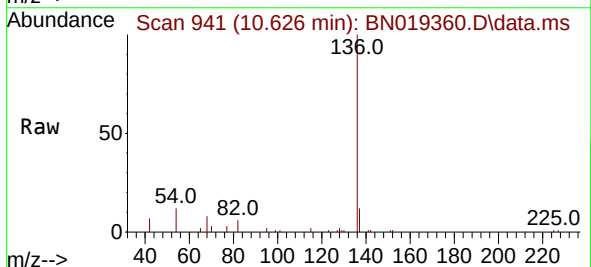
Instrument :
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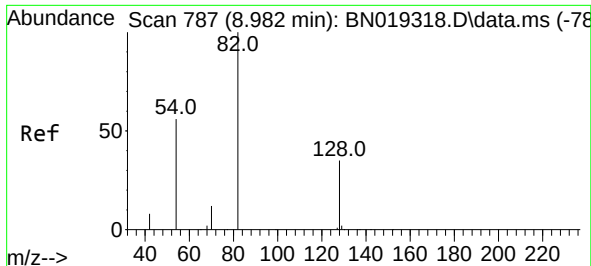
Tgt Ion: 99 Resp: 484
Ion Ratio Lower Upper
99 100
42 17.4 16.2 24.4
71 49.4 27.7 41.5#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN019360.D
Acq: 05 Apr 2022 21:16

Tgt Ion: 136 Resp: 10678
Ion Ratio Lower Upper
136 100
137 12.0 9.0 13.4
54 11.5 5.8 8.6#
68 8.2 4.6 7.0#

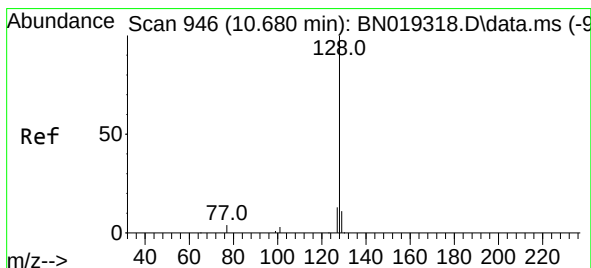
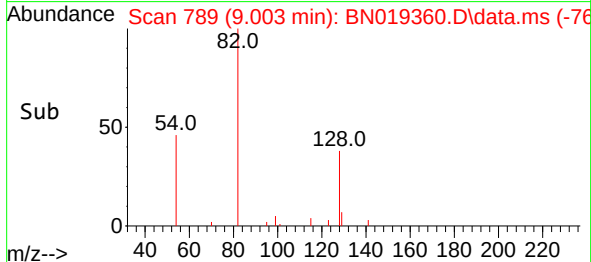
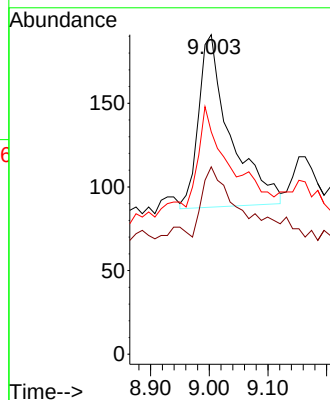
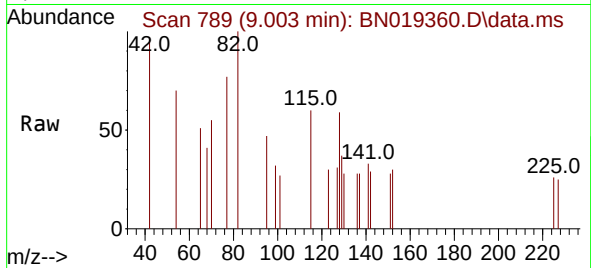




#8
Nitrobenzene-d5
Concen: 0.040 ng
RT: 9.003 min Scan# 787
Delta R.T. 0.021 min
Lab File: BN019360.D
Acq: 05 Apr 2022 21:16

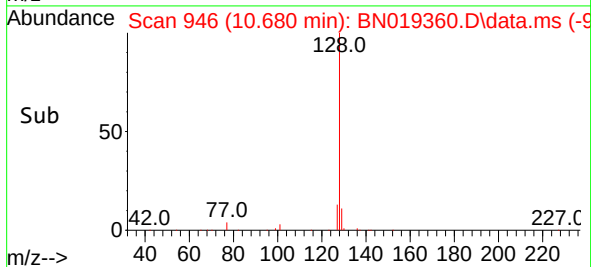
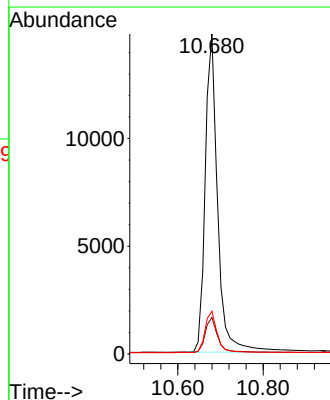
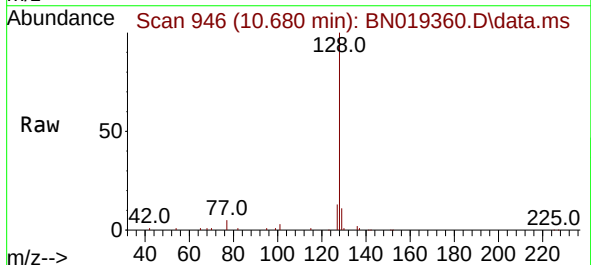
Instrument :
BNA_N
ClientSampleId :
DUP0331

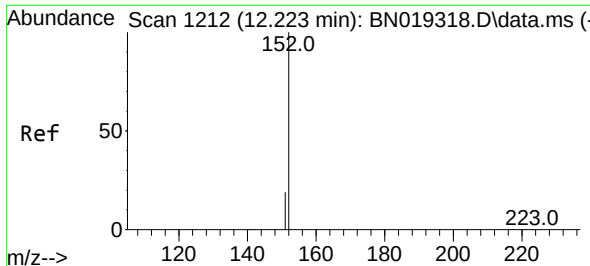
Tgt Ion: 82 Resp: 388
Ion Ratio Lower Upper
82 100
128 58.6 33.0 49.6#
54 69.6 42.5 63.7#



#9
Naphthalene
Concen: 0.946 ng
RT: 10.680 min Scan# 946
Delta R.T. 0.000 min
Lab File: BN019360.D
Acq: 05 Apr 2022 21:16

Tgt Ion: 128 Resp: 29831
Ion Ratio Lower Upper
128 100
129 11.4 9.0 13.4
127 13.4 10.7 16.1





#11

2-Methylnaphthalene-d10

Concen: 0.061 ng

RT: 12.223 min Scan# 11

Delta R.T. 0.000 min

Lab File: BN019360.D

Acq: 05 Apr 2022 21:16

Instrument :

BNA_N

ClientSampleId :

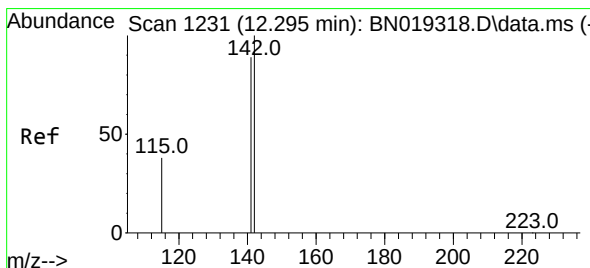
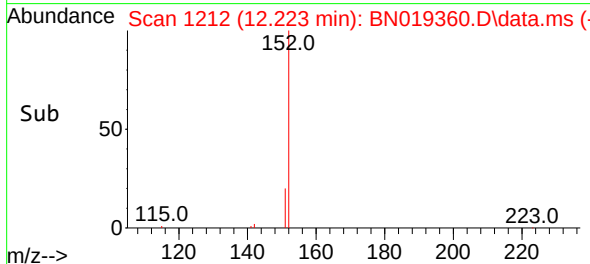
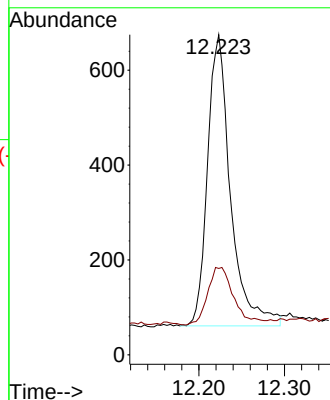
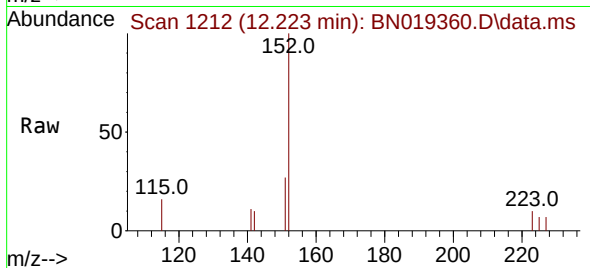
DUP0331

Tgt Ion:152 Resp: 1148

Ion Ratio Lower Upper

152 100

151 22.4 16.5 24.7



#12

2-Methylnaphthalene

Concen: 0.508 ng

RT: 12.295 min Scan# 1231

Delta R.T. 0.000 min

Lab File: BN019360.D

Acq: 05 Apr 2022 21:16

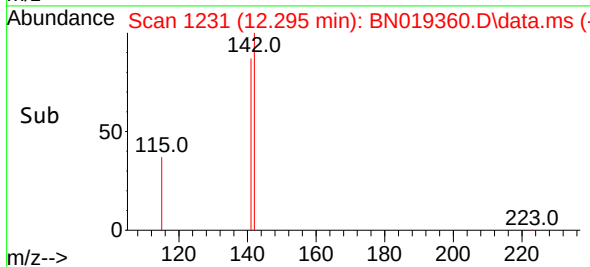
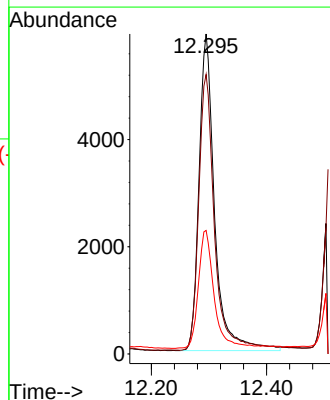
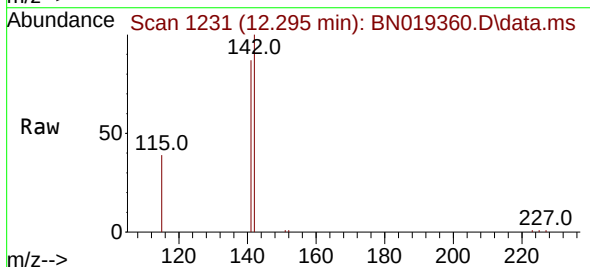
Tgt Ion:142 Resp: 11095

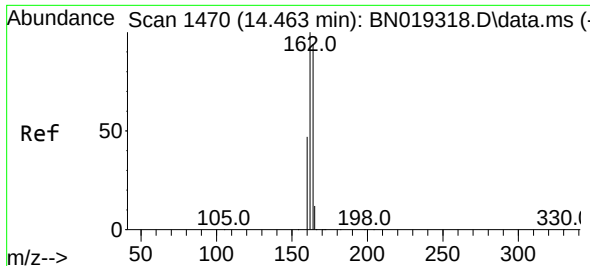
Ion Ratio Lower Upper

142 100

141 87.4 70.0 105.0

115 38.6 29.8 44.8

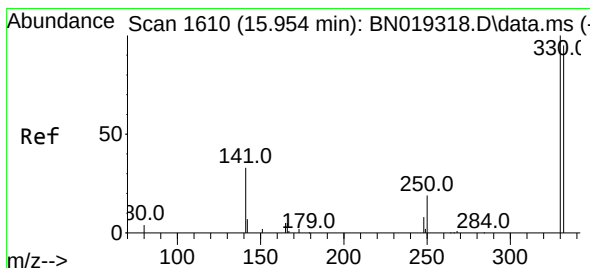
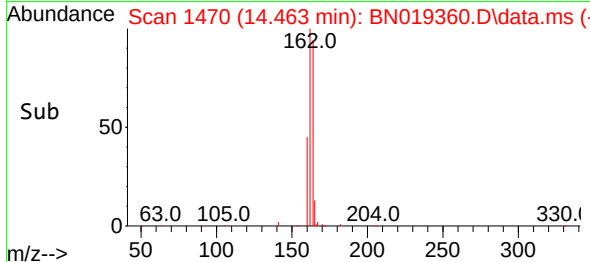
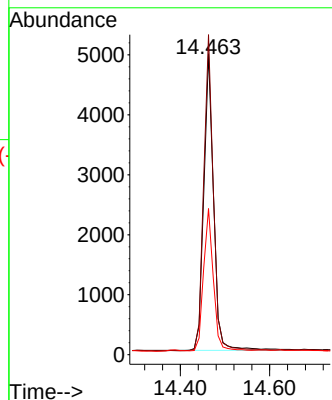
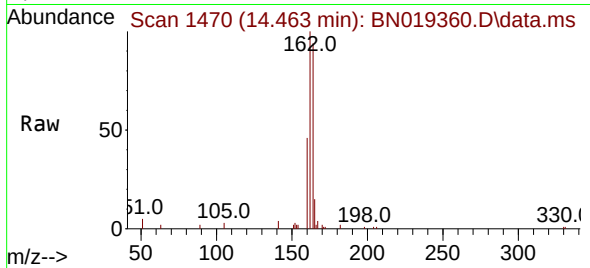




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.463 min Scan# 1470
Delta R.T. 0.000 min
Lab File: BN019360.D
Acq: 05 Apr 2022 21:16

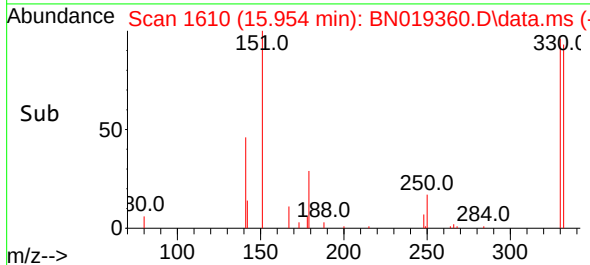
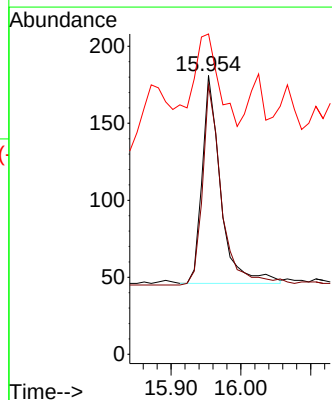
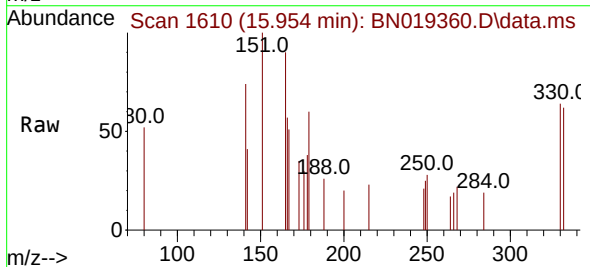
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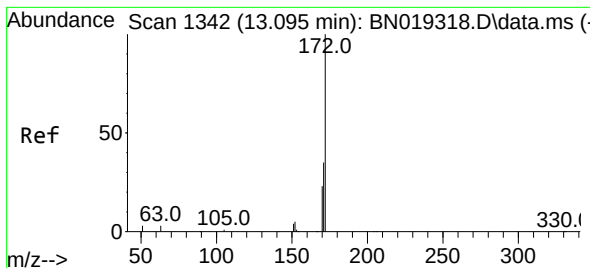
Tgt Ion:164 Resp: 7543
Ion Ratio Lower Upper
164 100
162 106.3 85.2 127.8
160 48.5 41.5 62.3



#14
2,4,6-Tribromophenol
Concen: 0.054 ng
RT: 15.954 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BN019360.D
Acq: 05 Apr 2022 21:16

Tgt Ion:330 Resp: 249
Ion Ratio Lower Upper
330 100
332 98.8 76.8 115.2
141 59.4 32.2 48.2#





#15

2-Fluorobiphenyl

Concen: 0.053 ng

RT: 13.095 min Scan# 1342

Delta R.T. 0.000 min

Lab File: BN019360.D

Acq: 05 Apr 2022 21:16

Instrument :

BNA_N

ClientSampleId :

DUP0331

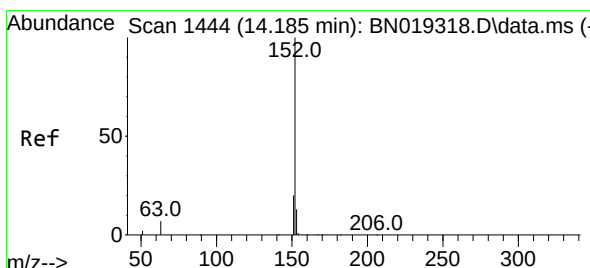
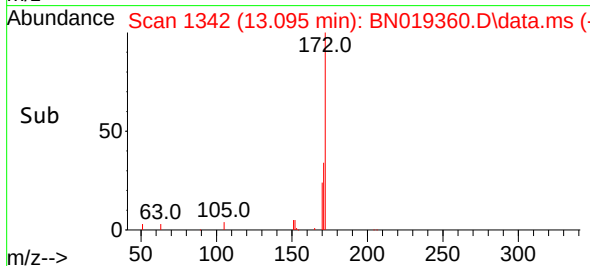
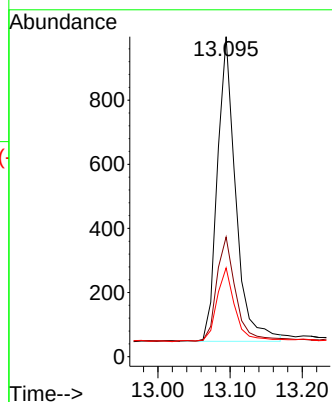
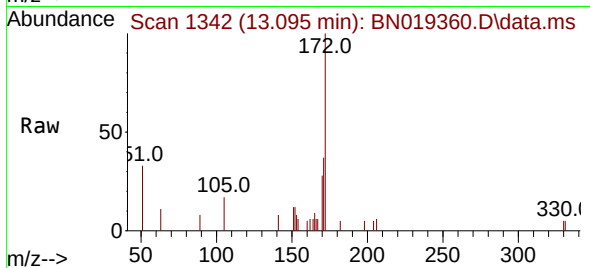
Tgt Ion:172 Resp: 1675

Ion Ratio Lower Upper

172 100

171 37.4 28.2 42.2

170 27.8 18.7 28.1



#16

Acenaphthylene

Concen: 0.406 ng

RT: 14.185 min Scan# 1444

Delta R.T. 0.000 min

Lab File: BN019360.D

Acq: 05 Apr 2022 21:16

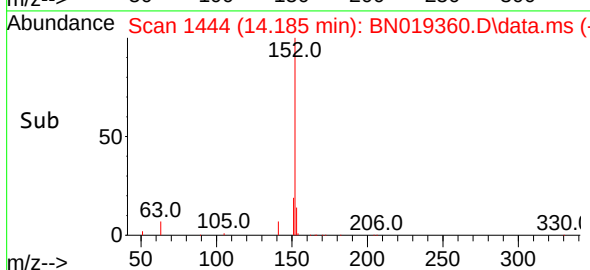
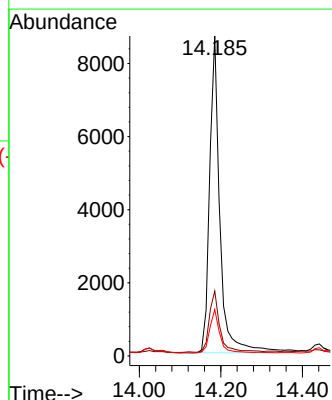
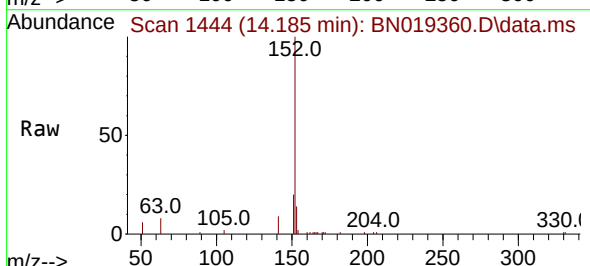
Tgt Ion:152 Resp: 15196

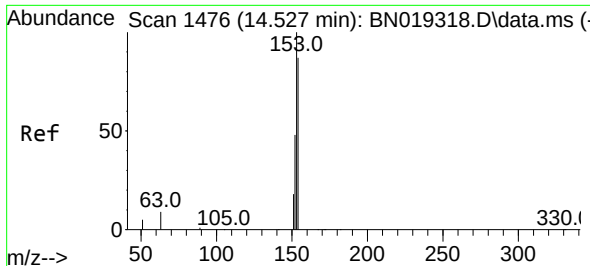
Ion Ratio Lower Upper

152 100

151 20.0 15.9 23.9

153 13.5 10.6 15.8

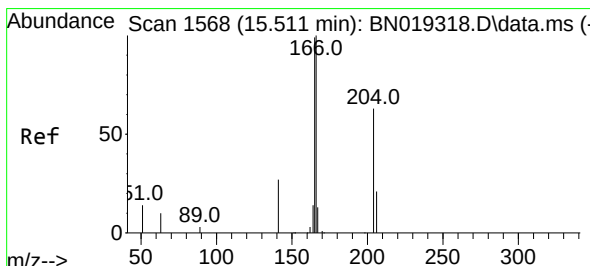
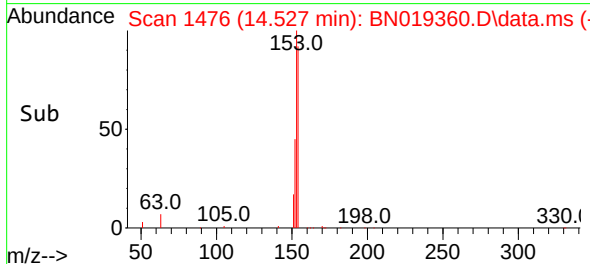
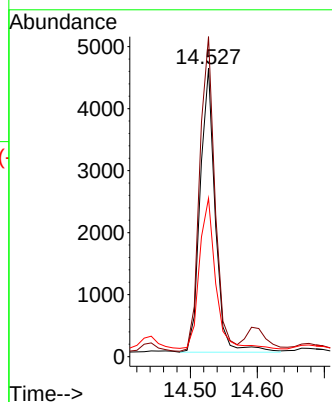
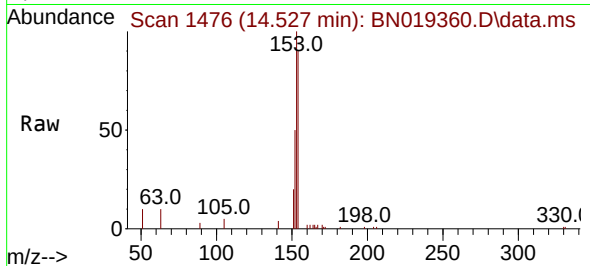




#17
Acenaphthene
Concen: 0.289 ng
RT: 14.527 min Scan# 1476
Delta R.T. 0.000 min
Lab File: BN019360.D
Acq: 05 Apr 2022 21:16

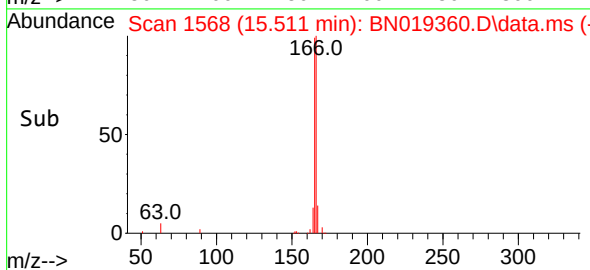
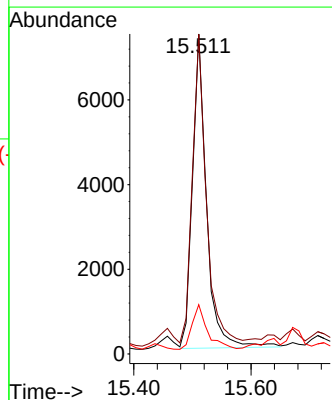
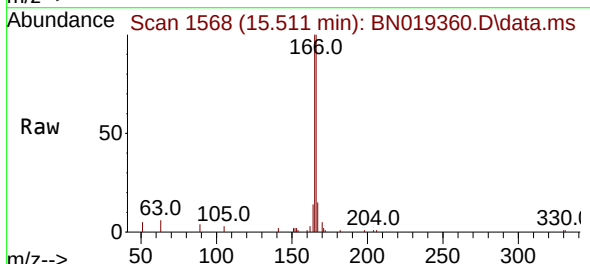
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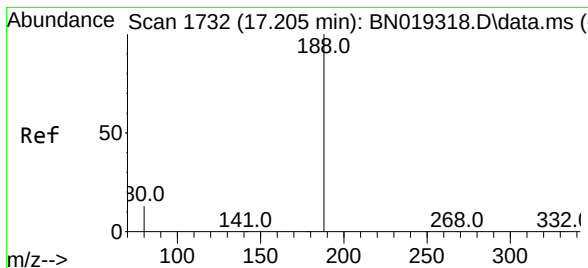
Tgt Ion:154 Resp: 7184
Ion Ratio Lower Upper
154 100
153 111.5 89.7 134.5
152 56.5 44.7 67.1



#18
Fluorene
Concen: 0.376 ng
RT: 15.511 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BN019360.D
Acq: 05 Apr 2022 21:16

Tgt Ion:166 Resp: 12342
Ion Ratio Lower Upper
166 100
165 97.2 79.2 118.8
167 15.5 10.7 16.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.205 min Scan# 1732

Delta R.T. 0.000 min

Lab File: BN019360.D

Acq: 05 Apr 2022 21:16

Instrument :

BNA_N

ClientSampleId :

DUP0331

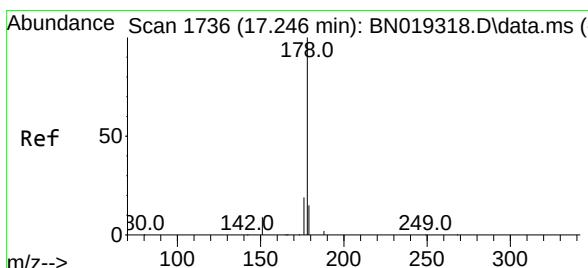
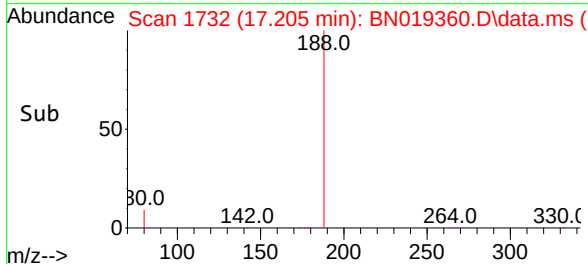
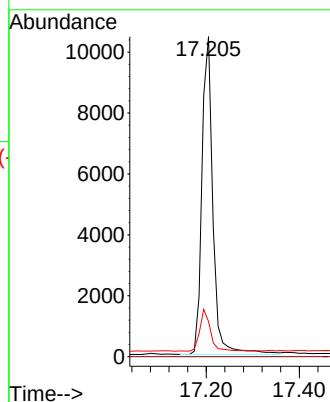
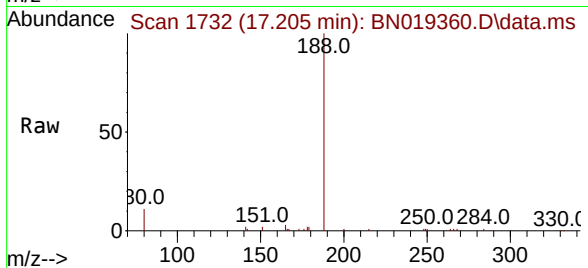
Tgt Ion:188 Resp: 17113

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.0 11.8 17.8#



#25

Phenanthrene

Concen: 2.553 ng

RT: 17.246 min Scan# 1736

Delta R.T. 0.000 min

Lab File: BN019360.D

Acq: 05 Apr 2022 21:16

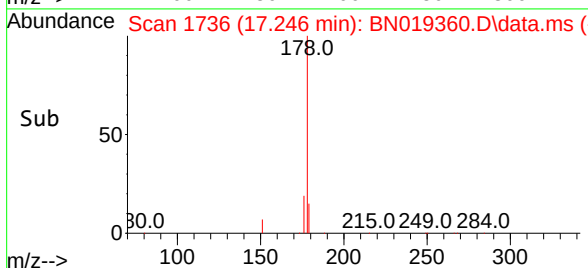
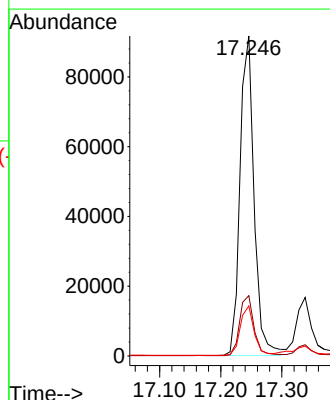
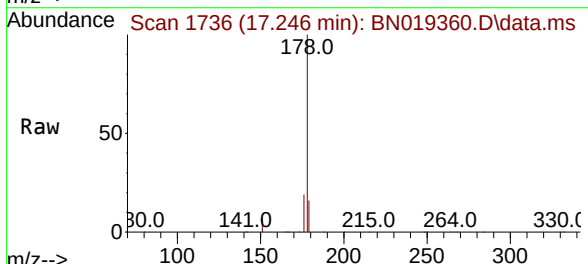
Tgt Ion:178 Resp: 146606

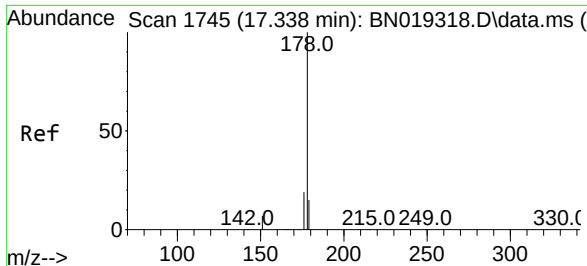
Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.0

179 15.4 12.2 18.2

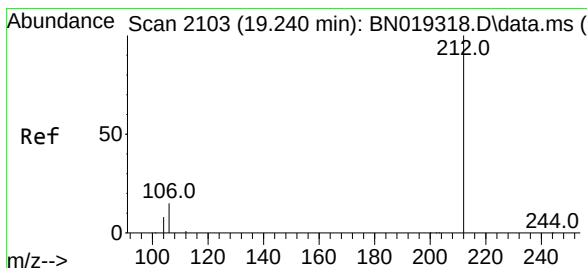
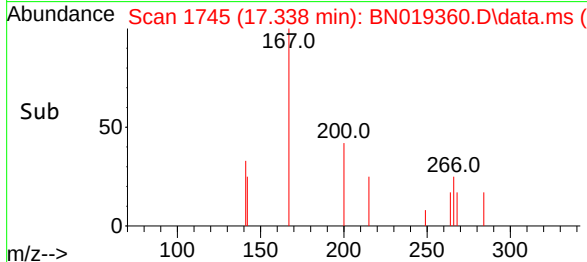
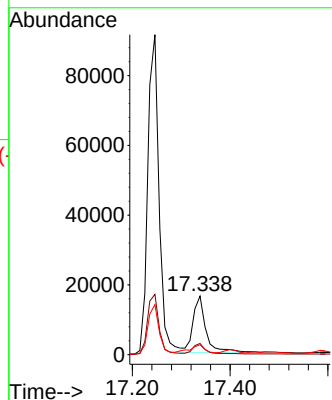
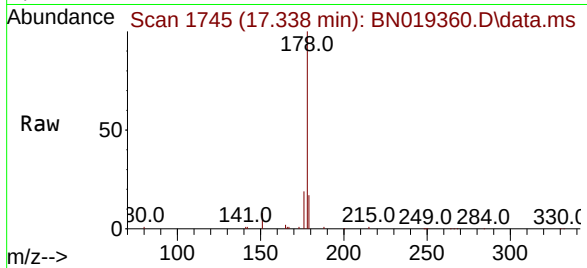




#26
 Anthracene
 Concen: 0.596 ng
 RT: 17.338 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN019360.D
 Acq: 05 Apr 2022 21:16

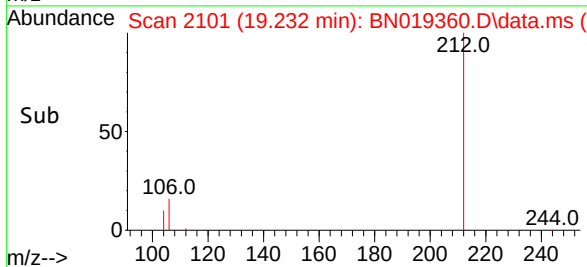
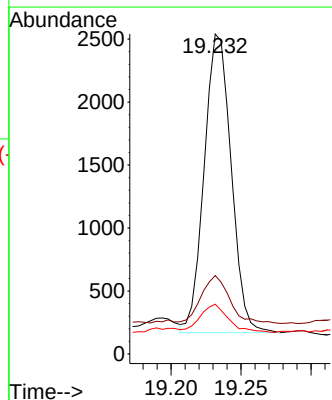
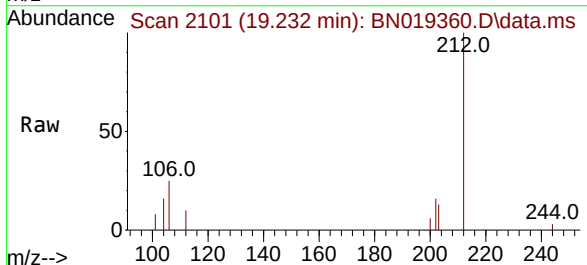
Instrument :
 BNA_N
 ClientSampleId :
 DUP0331

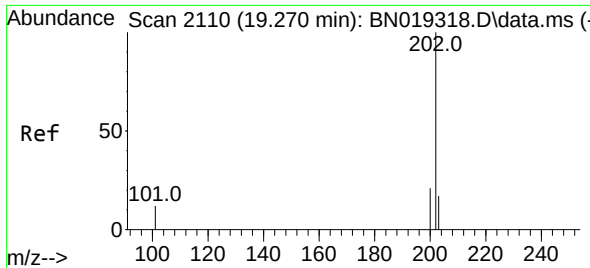
Tgt Ion:178 Resp: 30104
 Ion Ratio Lower Upper
 178 100
 176 17.7 14.8 22.2
 179 14.7 12.2 18.4



#27
 Fluoranthene-d10
 Concen: 0.058 ng
 RT: 19.232 min Scan# 2101
 Delta R.T. -0.008 min
 Lab File: BN019360.D
 Acq: 05 Apr 2022 21:16

Tgt Ion:212 Resp: 3183
 Ion Ratio Lower Upper
 212 100
 106 16.7 12.7 19.1
 104 10.3 7.1 10.7

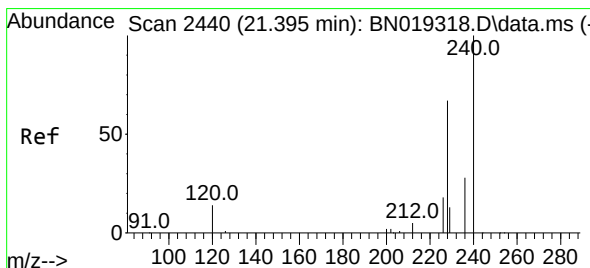
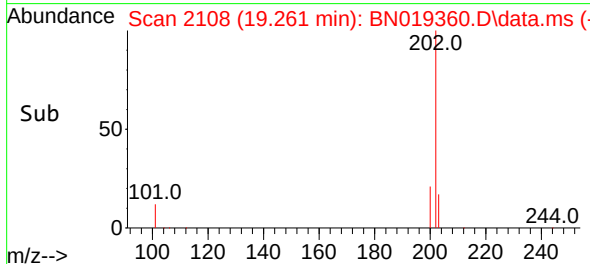
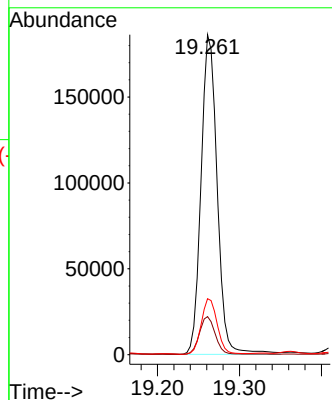
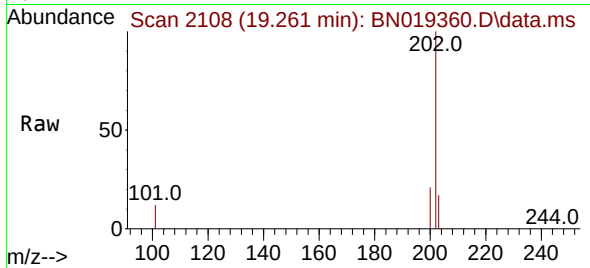




#28
Fluoranthene
Concen: 3.736 ng
RT: 19.261 min Scan# 2110
Delta R.T. -0.008 min
Lab File: BN019360.D
Acq: 05 Apr 2022 21:16

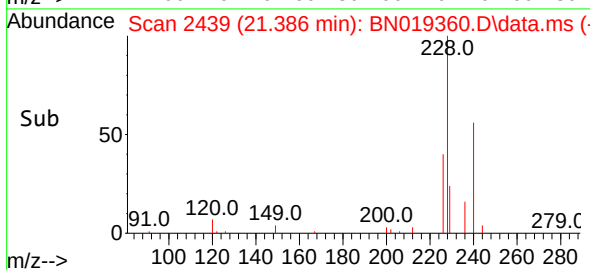
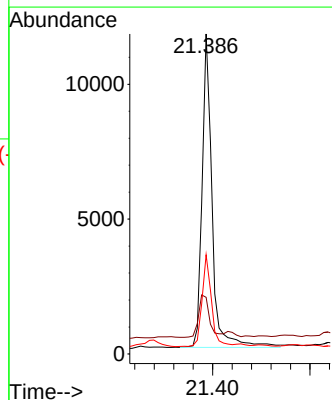
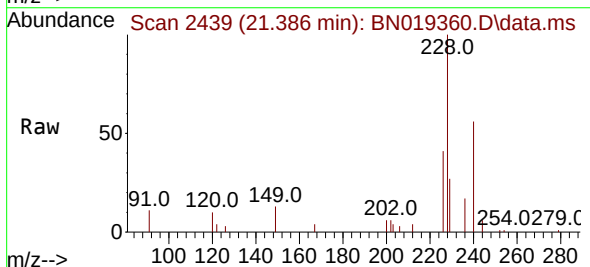
Instrument :
BNA_N
ClientSampleId :
DUP0331

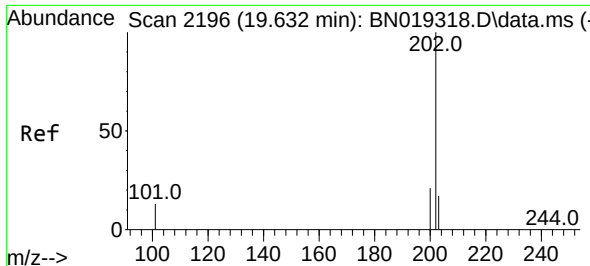
Tgt Ion:202 Resp: 254417
Ion Ratio Lower Upper
202 100
101 11.6 9.8 14.6
203 17.1 13.7 20.5



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.386 min Scan# 2439
Delta R.T. -0.009 min
Lab File: BN019360.D
Acq: 05 Apr 2022 21:16

Tgt Ion:240 Resp: 16572
Ion Ratio Lower Upper
240 100
120 17.7 8.5 12.7#
236 31.0 22.4 33.6

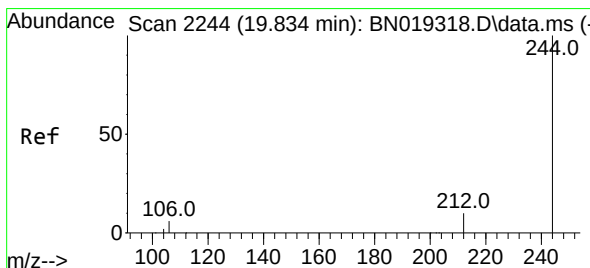
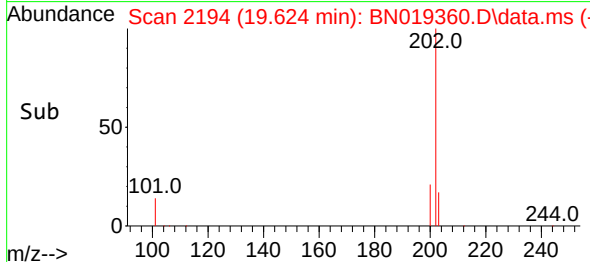
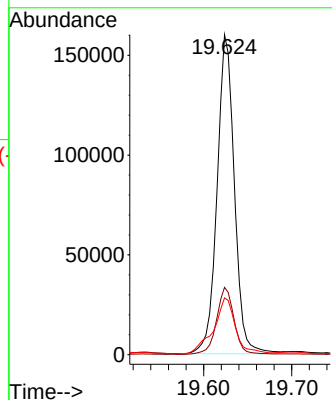
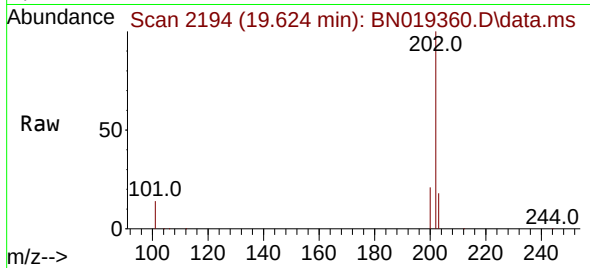




#30
 Pyrene
 Concen: 2.837 ng
 RT: 19.624 min Scan# 2196
 Delta R.T. -0.008 min
 Lab File: BN019360.D
 Acq: 05 Apr 2022 21:16

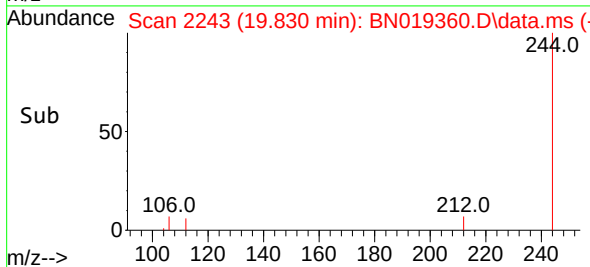
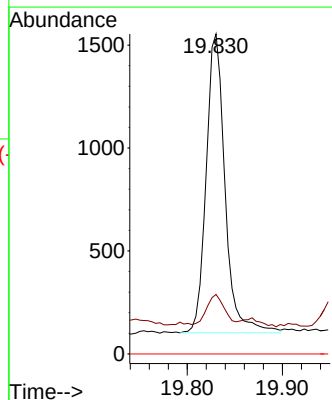
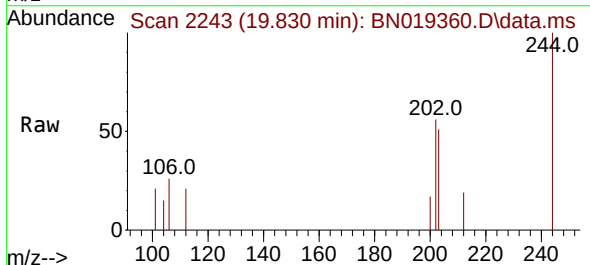
Instrument :
 BNA_N
 ClientSampleId :
 DUP0331

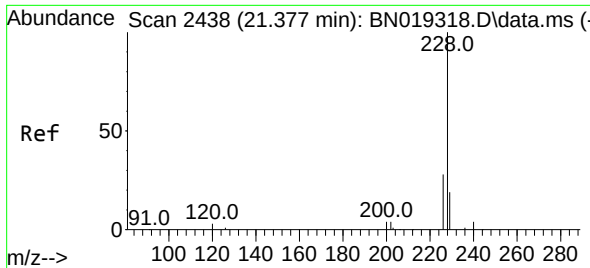
Tgt Ion:202 Resp: 218733
 Ion Ratio Lower Upper
 202 100
 200 21.2 16.9 25.3
 203 21.9 14.2 21.2#



#31
 Terphenyl-d14
 Concen: 0.056 ng
 RT: 19.830 min Scan# 2243
 Delta R.T. -0.004 min
 Lab File: BN019360.D
 Acq: 05 Apr 2022 21:16

Tgt Ion:244 Resp: 2006
 Ion Ratio Lower Upper
 244 100
 212 18.6 8.2 12.4#
 122 0.0 0.0 0.0

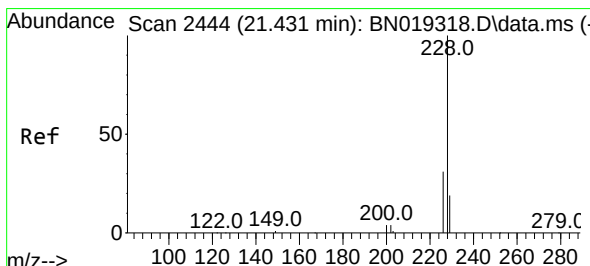
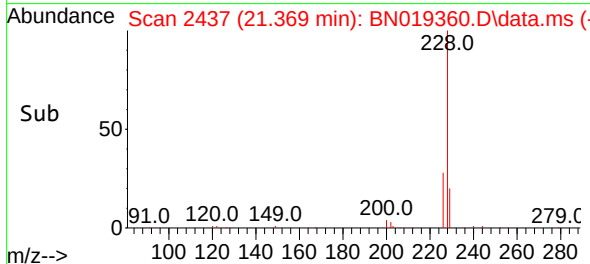
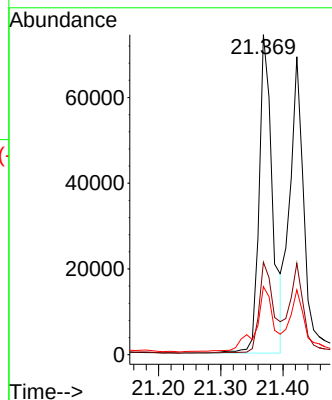
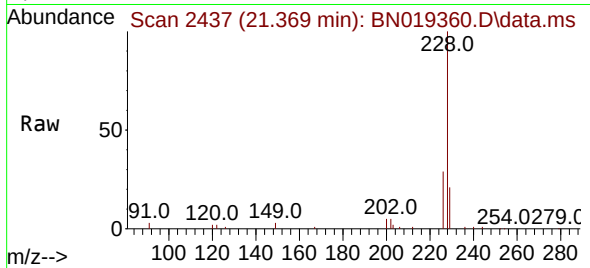




#32
Benzo(a)anthracene
Concen: 1.817 ng
RT: 21.369 min Scan# 2437
Delta R.T. -0.009 min
Lab File: BN019360.D
Acq: 05 Apr 2022 21:16

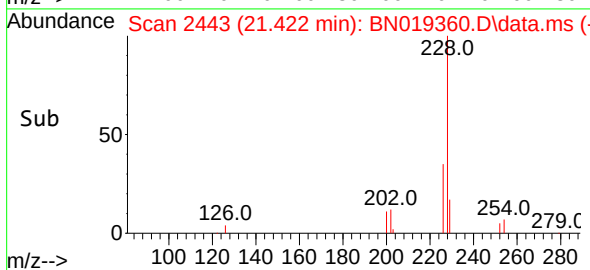
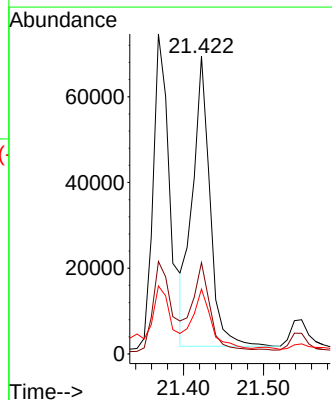
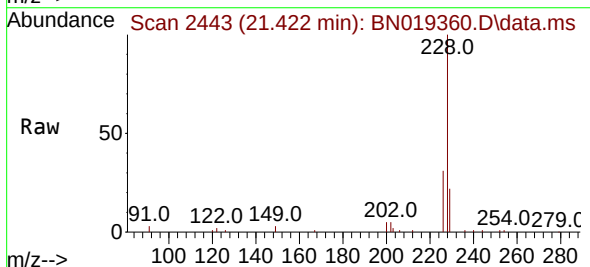
Instrument :
BNA_N
ClientSampleId :
DUP0331

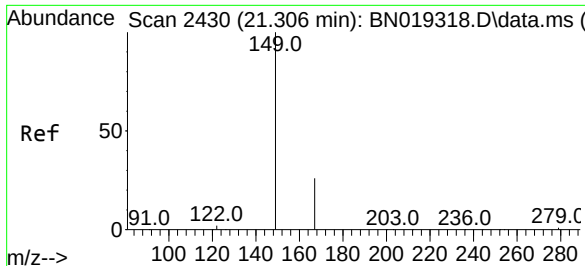
Tgt Ion:228 Resp: 111276
Ion Ratio Lower Upper
228 100
226 28.9 21.9 32.9
229 21.2 16.0 24.0



#33
Chrysene
Concen: 1.518 ng
RT: 21.422 min Scan# 2443
Delta R.T. -0.009 min
Lab File: BN019360.D
Acq: 05 Apr 2022 21:16

Tgt Ion:228 Resp: 103290
Ion Ratio Lower Upper
228 100
226 30.7 24.0 36.0
229 21.8 15.9 23.9

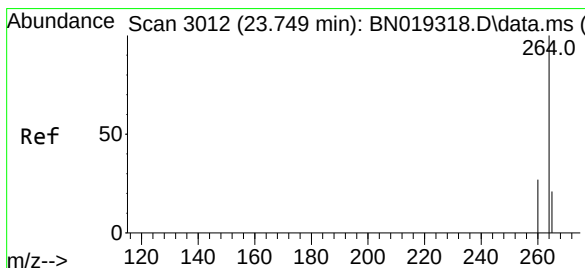
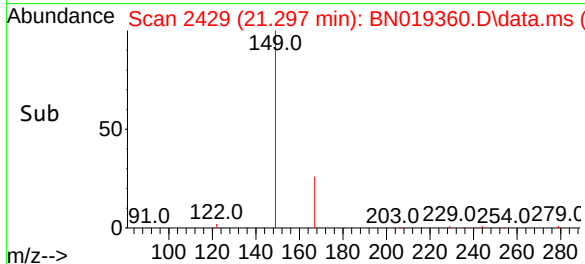
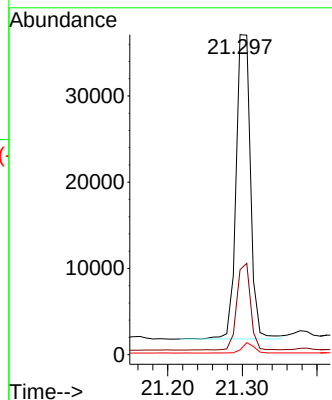
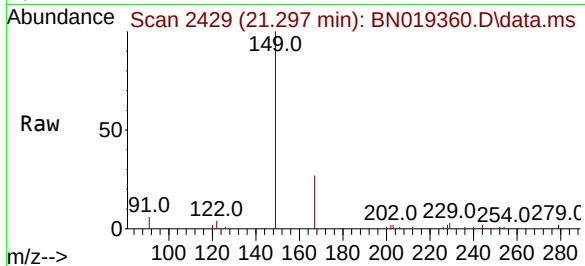




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 1.034 ng
 RT: 21.297 min Scan# 2430
 Delta R.T. -0.009 min
 Lab File: BN019360.D
 Acq: 05 Apr 2022 21:16

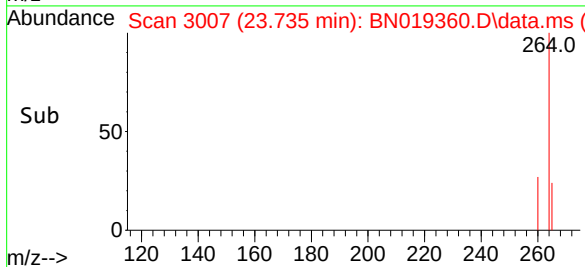
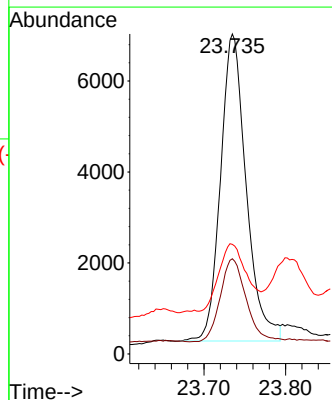
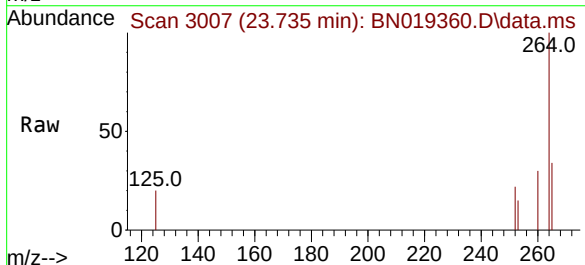
Instrument :
 BNA_N
 ClientSampleId :
 DUP0331

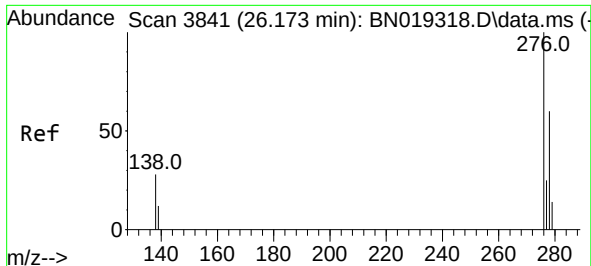
Tgt Ion:149 Resp: 47126
 Ion Ratio Lower Upper
 149 100
 167 27.1 21.8 32.8
 279 3.0 2.0 3.0#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.735 min Scan# 3007
 Delta R.T. -0.015 min
 Lab File: BN019360.D
 Acq: 05 Apr 2022 21:16

Tgt Ion:264 Resp: 14771
 Ion Ratio Lower Upper
 264 100
 260 29.7 22.4 33.6
 265 34.2 25.3 37.9

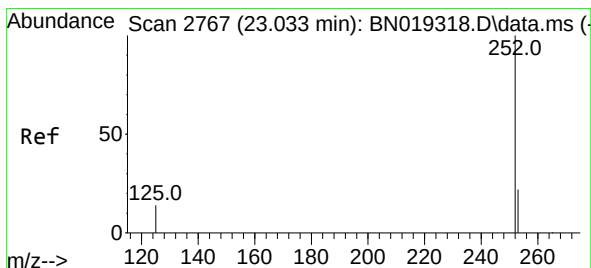
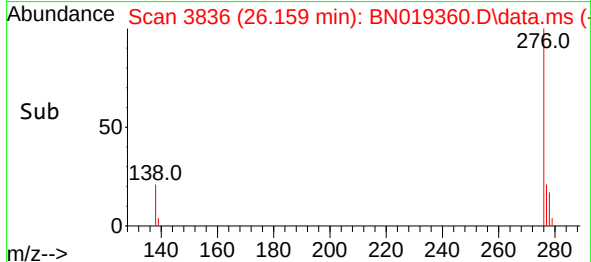
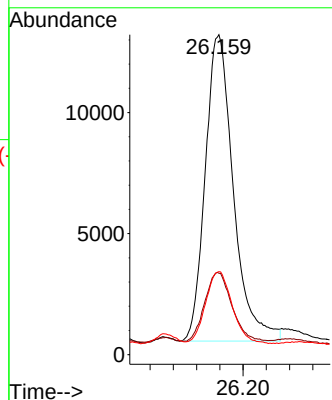
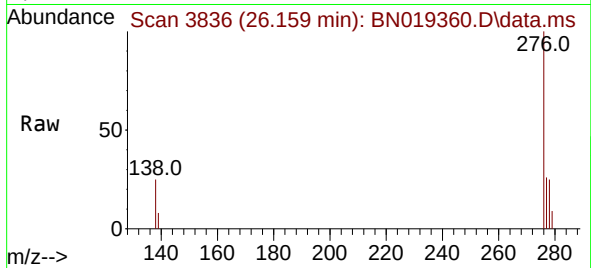




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.689 ng
RT: 26.159 min Scan# 3841
Delta R.T. -0.015 min
Lab File: BN019360.D
Acq: 05 Apr 2022 21:16

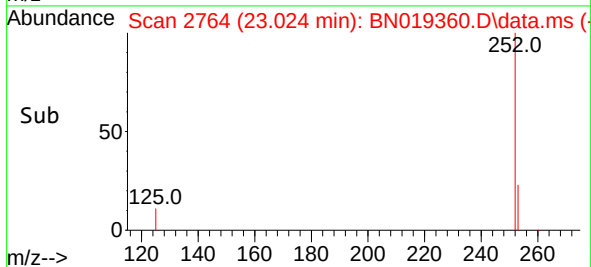
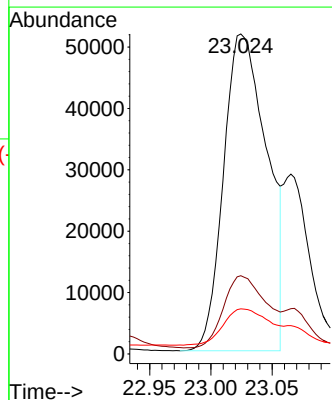
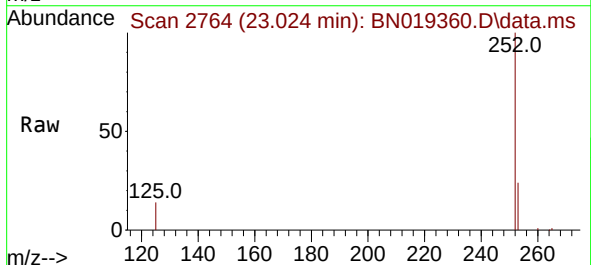
Instrument :
BNA_N
ClientSampleId :
DUP0331

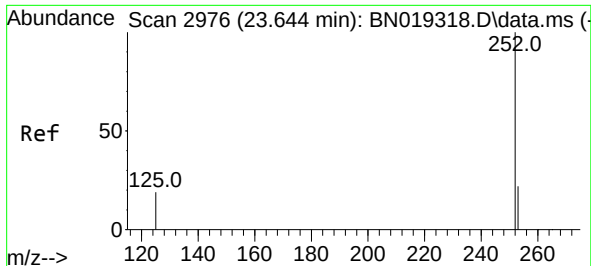
Tgt Ion:276 Resp: 42584
Ion Ratio Lower Upper
276 100
138 21.3 24.5 36.7#
277 22.1 19.8 29.8



#37
Benzo(b)fluoranthene
Concen: 2.202 ng
RT: 23.024 min Scan# 2764
Delta R.T. -0.009 min
Lab File: BN019360.D
Acq: 05 Apr 2022 21:16

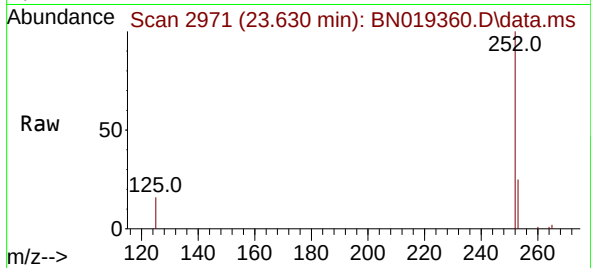
Tgt Ion:252 Resp: 127481
Ion Ratio Lower Upper
252 100
253 24.4 18.9 28.3
125 14.1 12.1 18.1



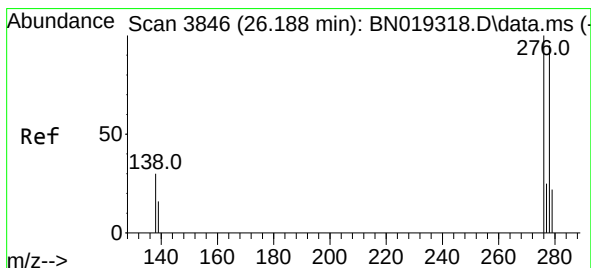
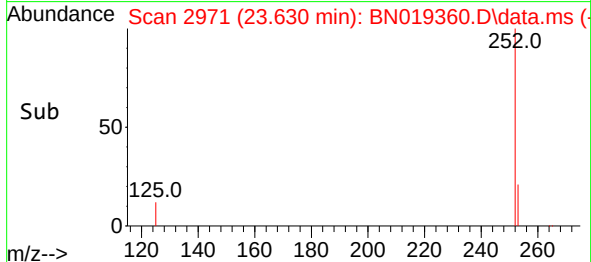
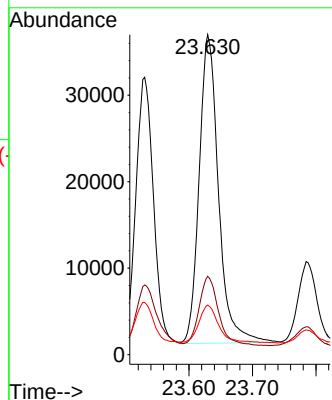


#39
Benzo(a)pyrene
Concen: 1.450 ng
RT: 23.630 min Scan# 2976
Delta R.T. -0.015 min
Lab File: BN019360.D
Acq: 05 Apr 2022 21:16

Instrument :
BNA_N
ClientSampleId :
DUP0331

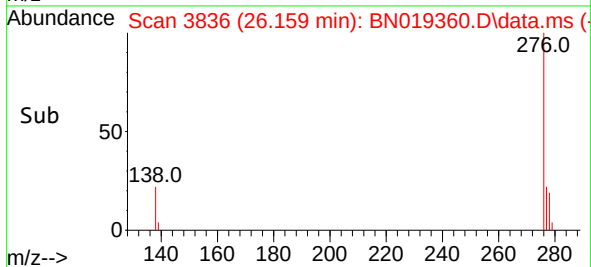
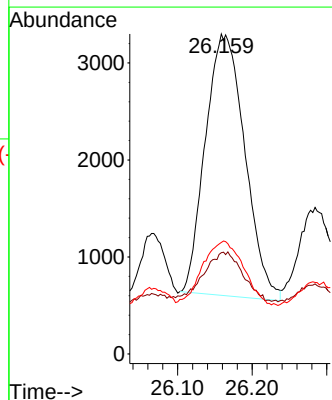
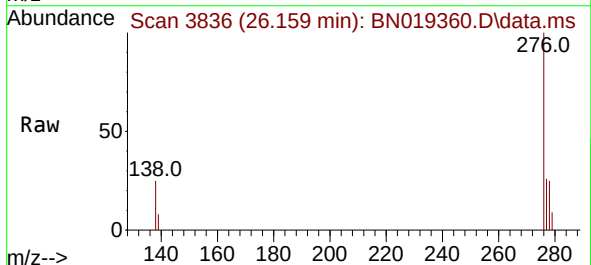


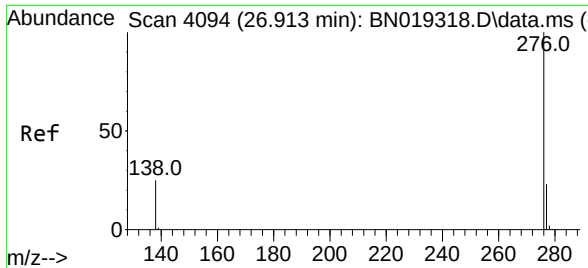
Tgt Ion:252 Resp: 75395
Ion Ratio Lower Upper
252 100
253 24.5 20.1 30.1
125 15.5 15.2 22.8



#40
Dibenzo(a,h)anthracene
Concen: 0.207 ng
RT: 26.159 min Scan# 3836
Delta R.T. -0.029 min
Lab File: BN019360.D
Acq: 05 Apr 2022 21:16

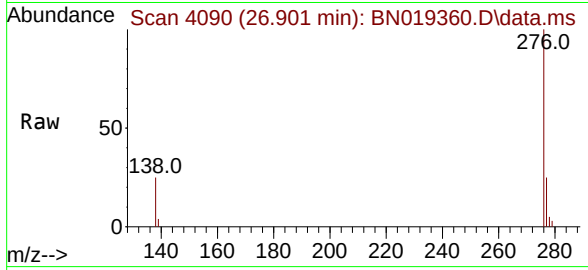
Tgt Ion:278 Resp: 9910
Ion Ratio Lower Upper
278 100
139 31.6 17.2 25.8#
279 34.8 19.9 29.9#





#41
 Benzo(g,h,i)perylene
 Concen: 0.771 ng
 RT: 26.901 min Scan# 4090
 Delta R.T. -0.012 min
 Lab File: BN019360.D
 Acq: 05 Apr 2022 21:16

Instrument :
 BNA_N
 ClientSampleId :
 DUP0331



Tgt Ion:	276	Resp:	44202
Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.4	29.0
138	25.4	21.0	31.6

