

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040522\
 Data File : BN019364.D
 Acq On : 05 Apr 2022 23:40
 Operator : CG/JU
 Sample : N2237-07DL2 100X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A01040DL2

Quant Time: Apr 06 02:32:33 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

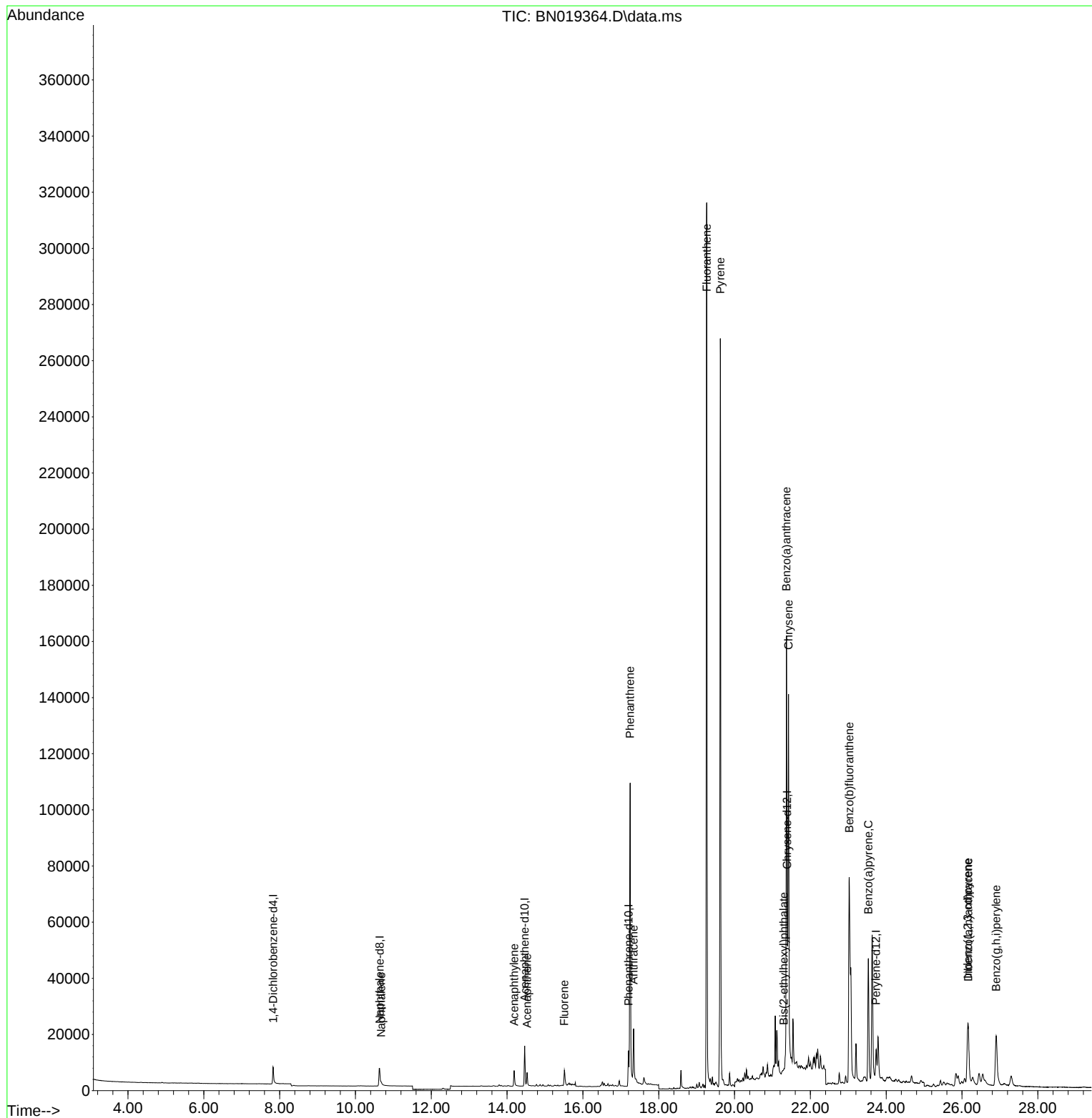
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.833	152	4049	0.400	ng	0.00
7) Naphthalene-d8	10.637	136	12812	0.400	ng	# 0.01
13) Acenaphthene-d10	14.463	164	8819	0.400	ng	0.00
19) Phenanthrene-d10	17.205	188	19075	0.400	ng	# 0.00
29) Chrysene-d12	21.386	240	18498	0.400	ng	# 0.00
35) Perylene-d12	23.735	264	14989	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	30	0.003	ng	0.00
5) Phenol-d6	7.017	99	11	0.001	ng	0.03
8) Nitrobenzene-d5	9.025	82	22	0.002	ng	0.04
11) 2-Methylnaphthalene-d10	12.238	152	27	0.001	ng	0.02
14) 2,4,6-Tribromophenol	15.954	330	13	0.002	ng	0.00
15) 2-Fluorobiphenyl	13.105	172	83	0.002	ng	0.01
27) Fluoranthene-d10	19.236	212	83	0.001	ng	0.00
31) Terphenyl-d14	19.826	244	278	0.007	ng	0.00
Target Compounds						
9) Naphthalene	10.680	128	1297	0.034	ng	# 76
16) Acenaphthylene	14.185	152	7629	0.174	ng	100
17) Acenaphthene	14.527	154	2452	0.084	ng	99
18) Fluorene	15.511	166	4788	0.125	ng	95
25) Phenanthrene	17.246	178	118353	1.849	ng	100
26) Anthracene	17.338	178	26632	0.473	ng	# 96
28) Fluoranthene	19.265	202	291641	3.842	ng	100
30) Pyrene	19.624	202	250419	2.910	ng	# 95
32) Benzo(a)anthracene	21.369	228	139571	2.042	ng	99
33) Chrysene	21.422	228	121912	1.605	ng	98
34) Bis(2-ethylhexyl)phtha...	21.297	149	1161	0.023	ng	# 77
36) Indeno(1,2,3-cd)pyrene	26.156	276	41557	0.662	ng	# 89
37) Benzo(b)fluoranthene	23.024	252	135206	2.302	ng	97
39) Benzo(a)pyrene	23.530	252	60915	1.154	ng	98
40) Dibenzo(a,h)anthracene	26.164	278	9760	0.201	ng	# 84
41) Benzo(g,h,i)perylene	26.901	276	41667	0.716	ng	98

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

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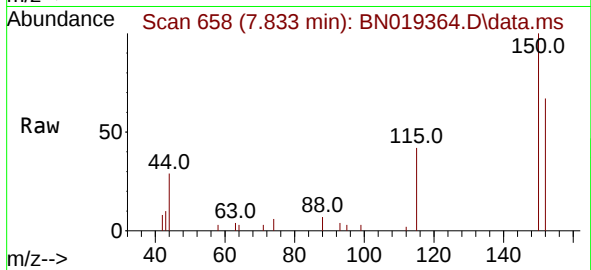
Quant Time: Apr 06 02:32:33 2022
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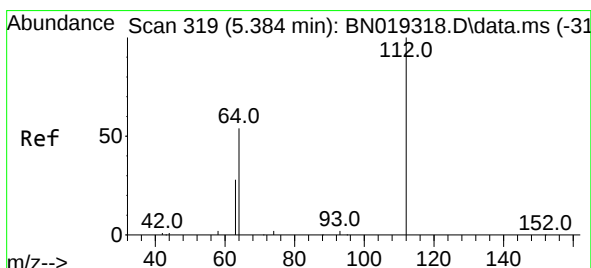
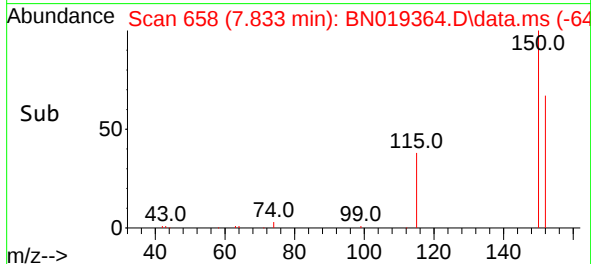
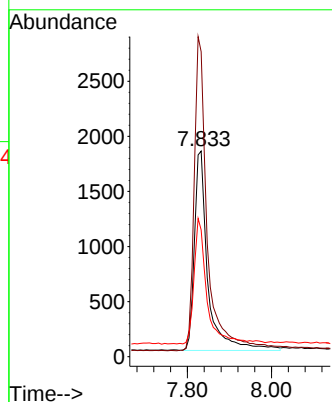


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.833 min Scan# 61
Delta R.T. 0.008 min
Lab File: BN019364.D
Acq: 05 Apr 2022 23:40

Instrument :
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ClientSampleId :
A01040DL2

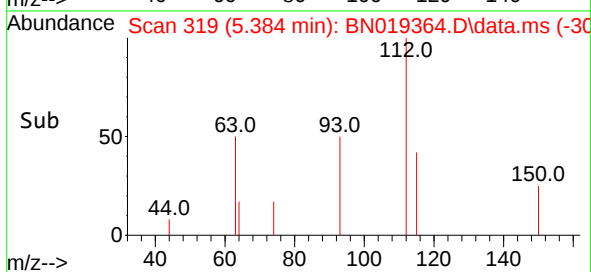
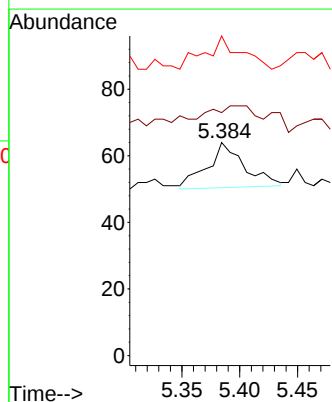
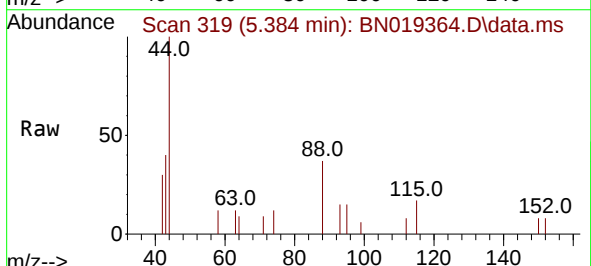


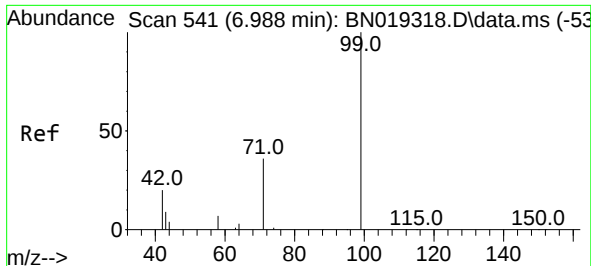
Tgt Ion:152 Resp: 4049
Ion Ratio Lower Upper
152 100
150 148.3 123.9 185.9
115 61.6 48.2 72.4



#4
2-Fluorophenol
Concen: 0.003 ng
RT: 5.384 min Scan# 319
Delta R.T. 0.000 min
Lab File: BN019364.D
Acq: 05 Apr 2022 23:40

Tgt Ion:112 Resp: 30
Ion Ratio Lower Upper
112 100
64 70.0 47.8 71.8
63 70.0 25.7 38.5#

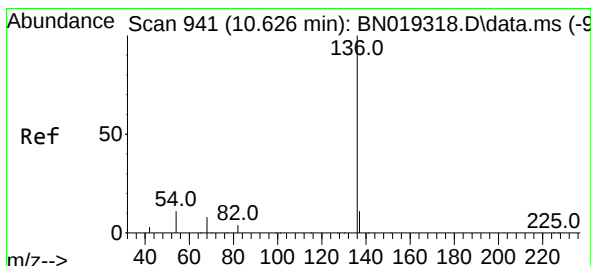
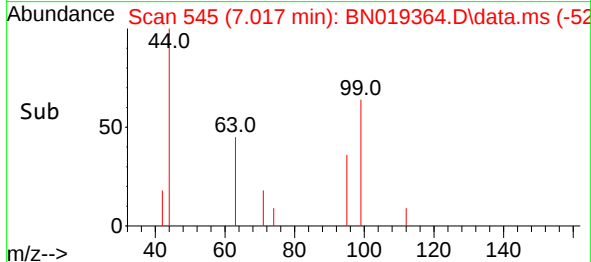
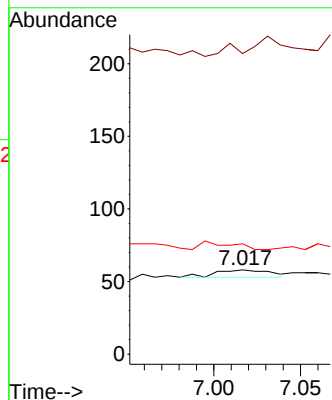
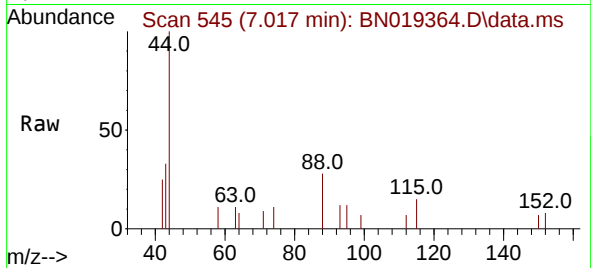




#5
Phenol-d6
Concen: 0.001 ng
RT: 7.017 min Scan# 541
Delta R.T. 0.029 min
Lab File: BN019364.D
Acq: 05 Apr 2022 23:40

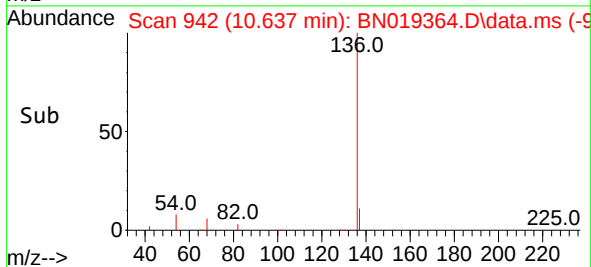
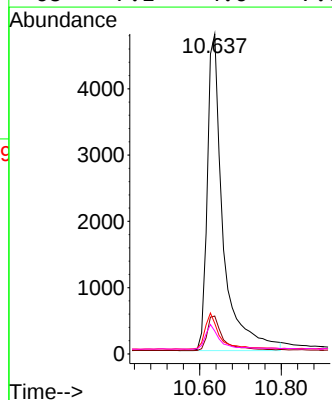
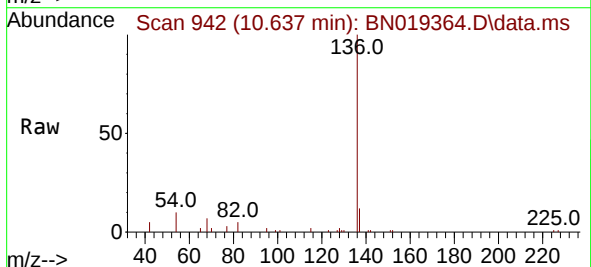
Instrument :
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ClientSampleId :
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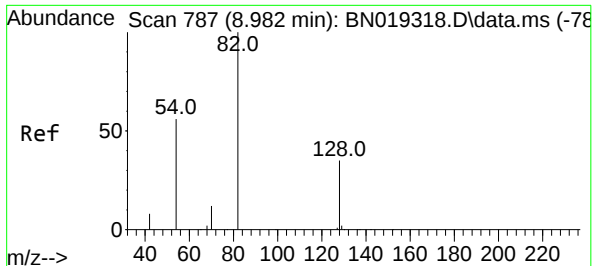
Tgt Ion: 99 Resp: 11
Ion Ratio Lower Upper
99 100
42 209.1 16.2 24.4#
71 0.0 27.7 41.5#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 942
Delta R.T. 0.011 min
Lab File: BN019364.D
Acq: 05 Apr 2022 23:40

Tgt Ion: 136 Resp: 12812
Ion Ratio Lower Upper
136 100
137 11.9 9.0 13.4
54 9.6 5.8 8.6#
68 7.1 4.6 7.0#

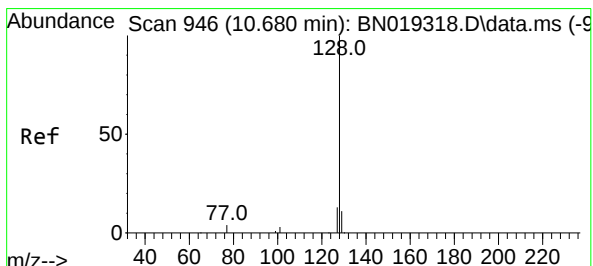
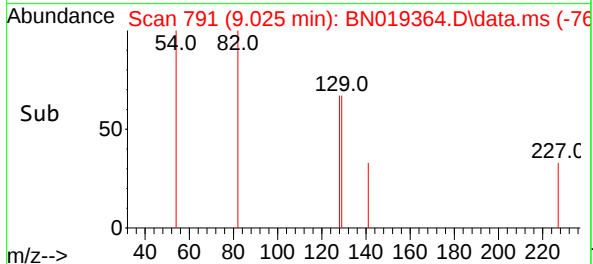
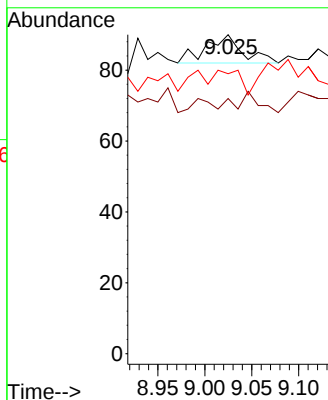
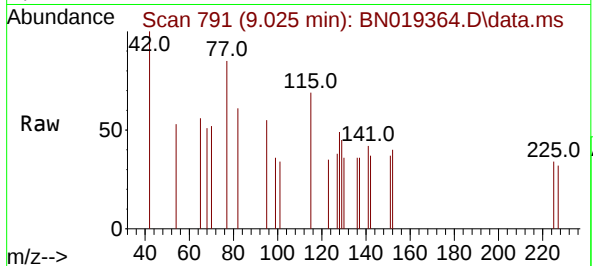




#8
Nitrobenzene-d5
Concen: 0.002 ng
RT: 9.025 min Scan# 791
Delta R.T. 0.043 min
Lab File: BN019364.D
Acq: 05 Apr 2022 23:40

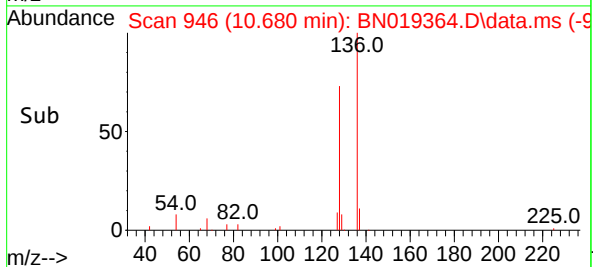
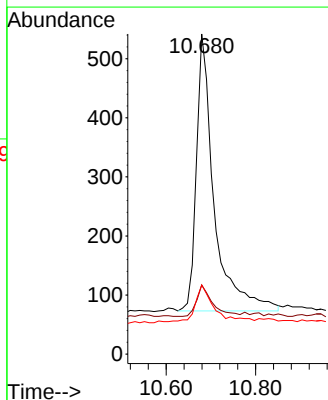
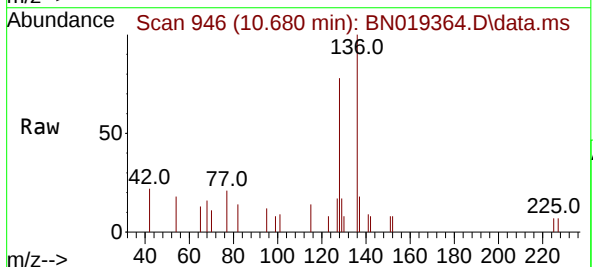
Instrument :
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ClientSampleId :
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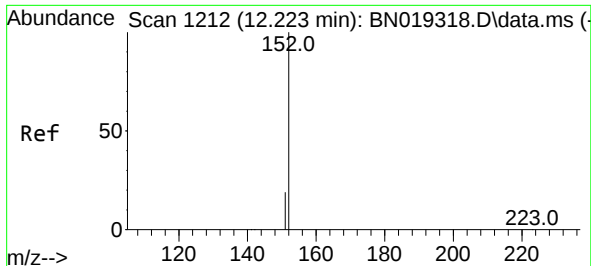
Tgt Ion: 82 Resp: 22
Ion Ratio Lower Upper
82 100
128 80.0 33.0 49.6#
54 87.8 42.5 63.7#



#9
Naphthalene
Concen: 0.034 ng
RT: 10.680 min Scan# 946
Delta R.T. 0.000 min
Lab File: BN019364.D
Acq: 05 Apr 2022 23:40

Tgt Ion: 128 Resp: 1297
Ion Ratio Lower Upper
128 100
129 21.6 9.0 13.4#
127 21.6 10.7 16.1#

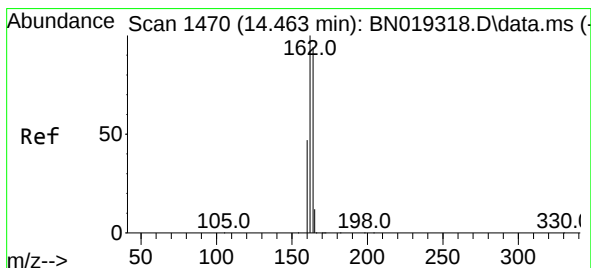
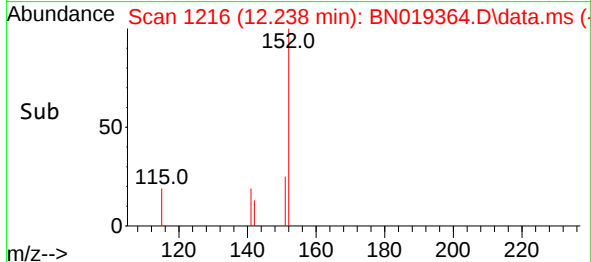
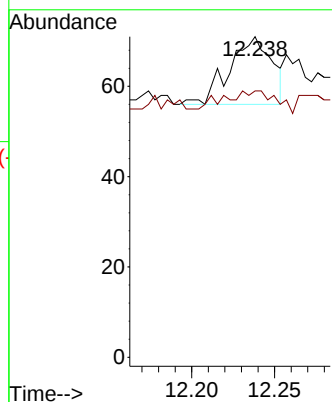
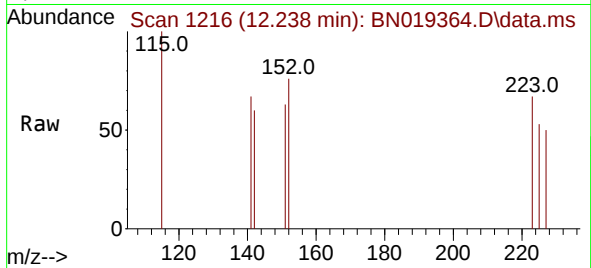




#11
2-Methylnaphthalene-d10
Concen: 0.001 ng
RT: 12.238 min Scan# 11
Delta R.T. 0.015 min
Lab File: BN019364.D
Acq: 05 Apr 2022 23:40

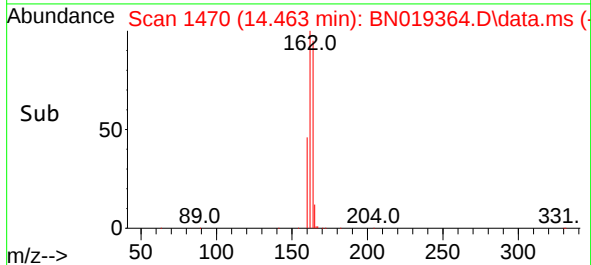
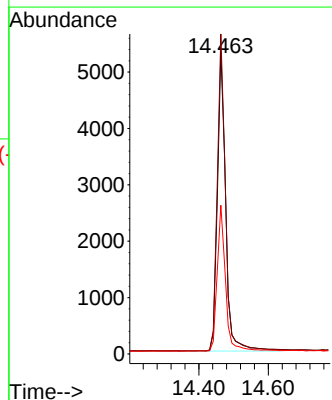
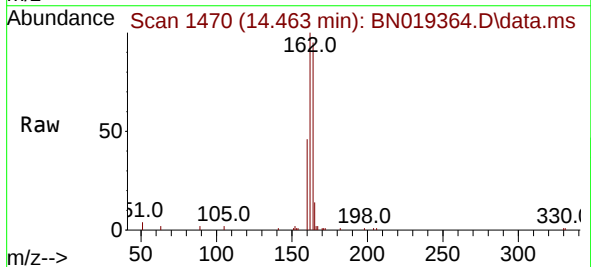
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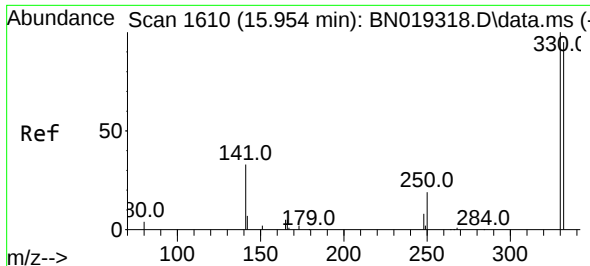
Tgt Ion:152 Resp: 27
Ion Ratio Lower Upper
152 100
151 25.9 16.5 24.7#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.463 min Scan# 1470
Delta R.T. 0.000 min
Lab File: BN019364.D
Acq: 05 Apr 2022 23:40

Tgt Ion:164 Resp: 8819
Ion Ratio Lower Upper
164 100
162 105.8 85.2 127.8
160 49.1 41.5 62.3

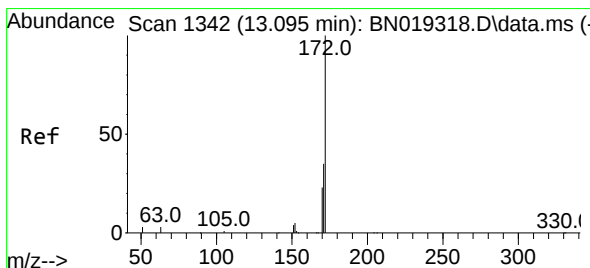
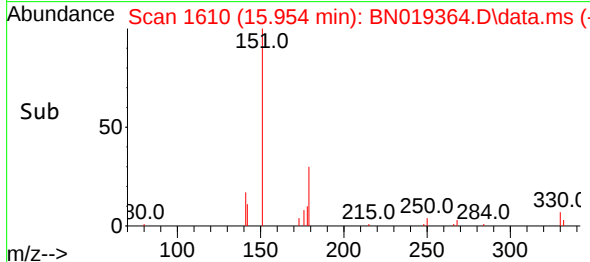
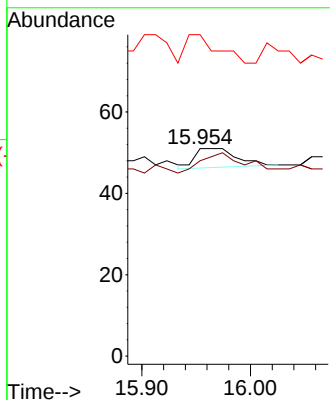
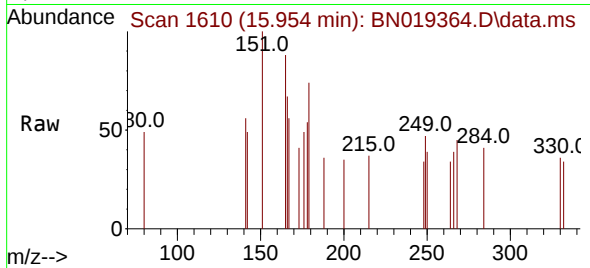




#14
2,4,6-Tribromophenol
Concen: 0.002 ng
RT: 15.954 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BN019364.D
Acq: 05 Apr 2022 23:40

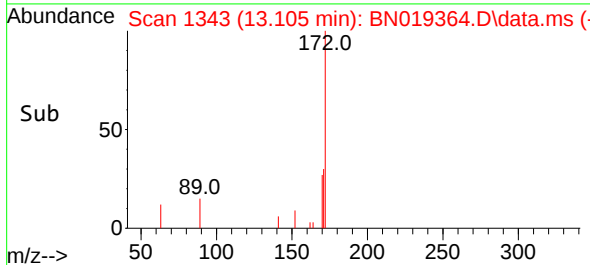
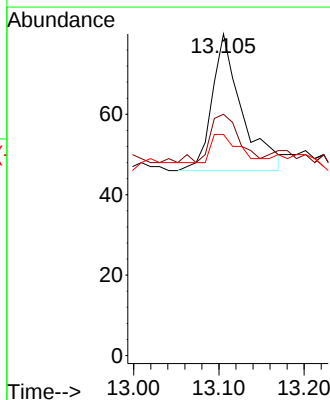
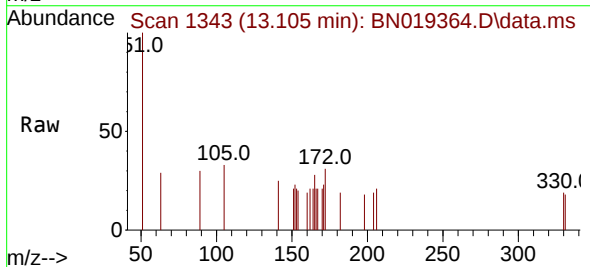
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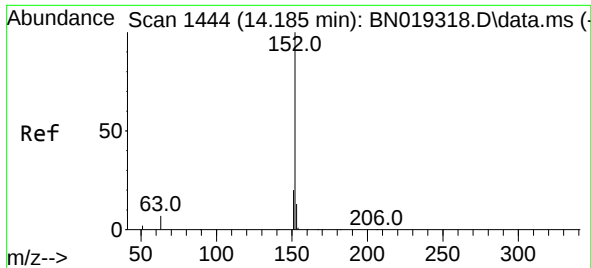
Tgt Ion:330 Resp: 13
Ion Ratio Lower Upper
330 100
332 0.0 76.8 115.2#
141 107.7 32.2 48.2#



#15
2-Fluorobiphenyl
Concen: 0.002 ng
RT: 13.105 min Scan# 1343
Delta R.T. 0.011 min
Lab File: BN019364.D
Acq: 05 Apr 2022 23:40

Tgt Ion:172 Resp: 83
Ion Ratio Lower Upper
172 100
171 75.0 28.2 42.2#
170 68.8 18.7 28.1#

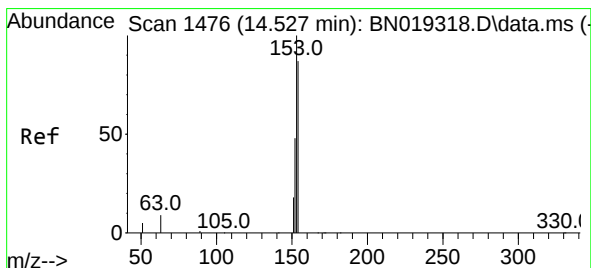
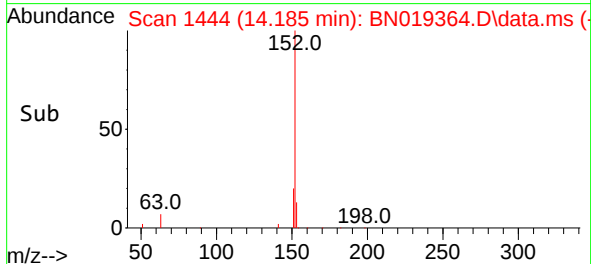
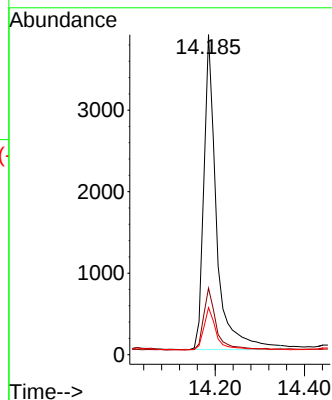
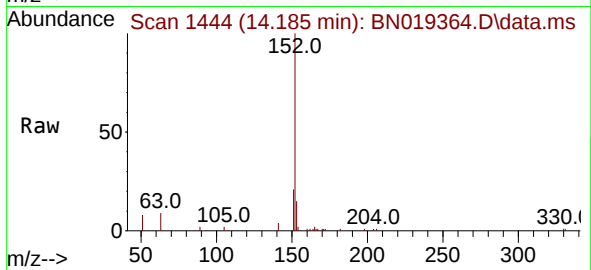




#16
Acenaphthylene
Concen: 0.174 ng
RT: 14.185 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BN019364.D
Acq: 05 Apr 2022 23:40

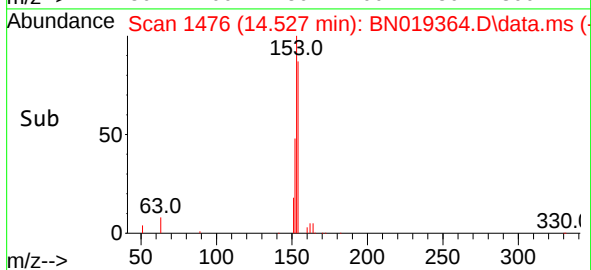
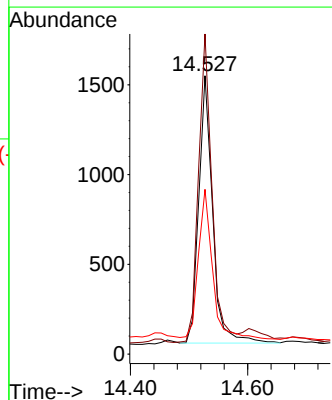
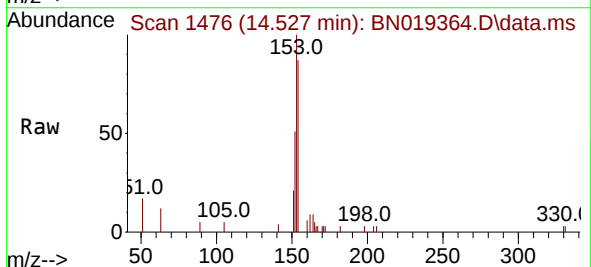
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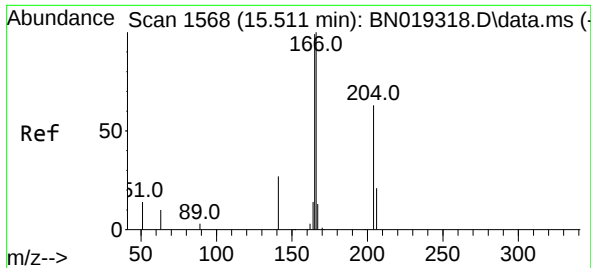
Tgt Ion:152 Resp: 7629
Ion Ratio Lower Upper
152 100
151 19.8 15.9 23.9
153 13.3 10.6 15.8



#17
Acenaphthene
Concen: 0.084 ng
RT: 14.527 min Scan# 1476
Delta R.T. 0.000 min
Lab File: BN019364.D
Acq: 05 Apr 2022 23:40

Tgt Ion:154 Resp: 2452
Ion Ratio Lower Upper
154 100
153 112.0 89.7 134.5
152 57.8 44.7 67.1

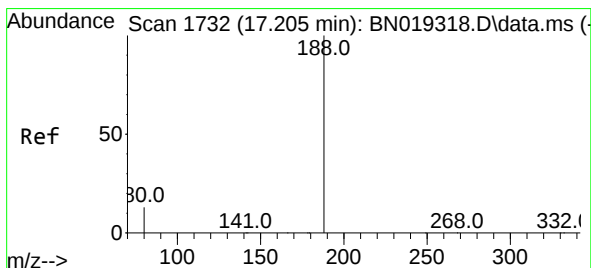
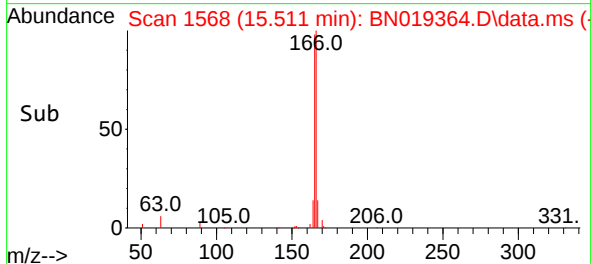
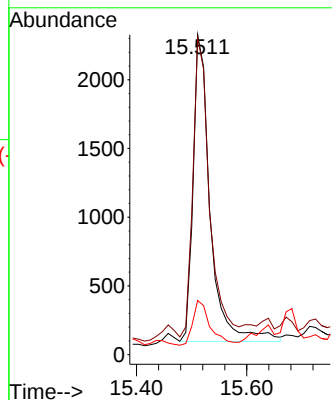
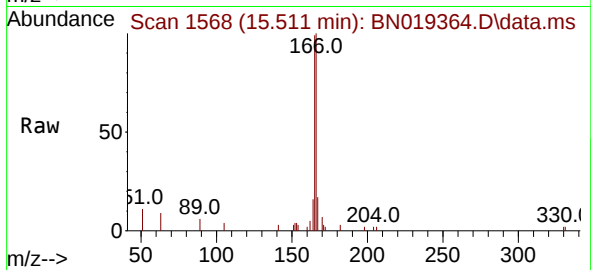




#18
 Fluorene
 Concen: 0.125 ng
 RT: 15.511 min Scan# 1568
 Delta R.T. 0.000 min
 Lab File: BN019364.D
 Acq: 05 Apr 2022 23:40

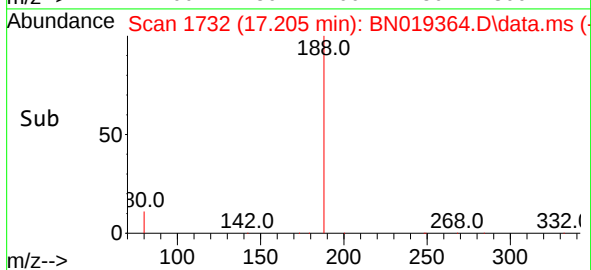
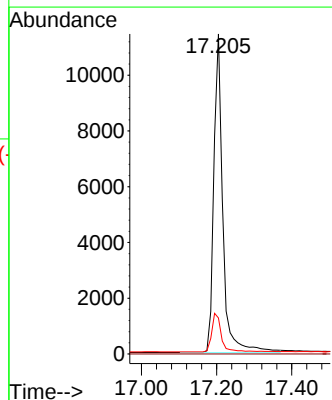
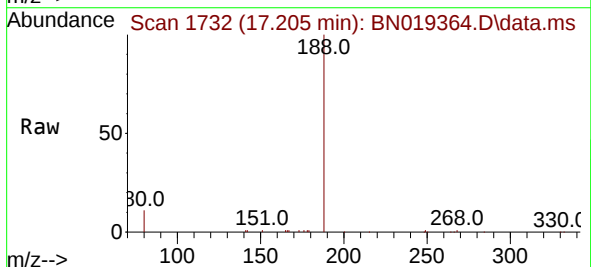
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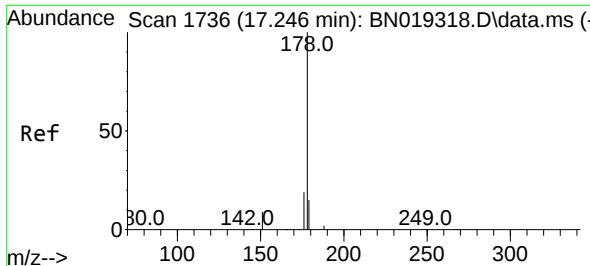
Tgt Ion:166 Resp: 4788
 Ion Ratio Lower Upper
 166 100
 165 94.3 79.2 118.8
 167 15.1 10.7 16.1



#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.205 min Scan# 1732
 Delta R.T. 0.000 min
 Lab File: BN019364.D
 Acq: 05 Apr 2022 23:40

Tgt Ion:188 Resp: 19075
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 11.2 11.8 17.8#

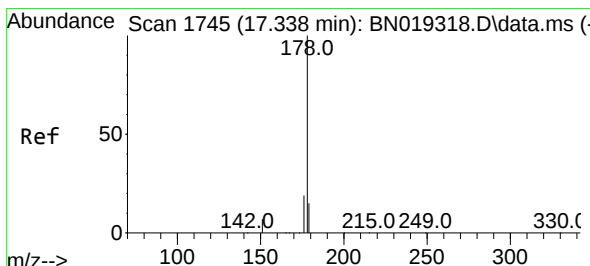
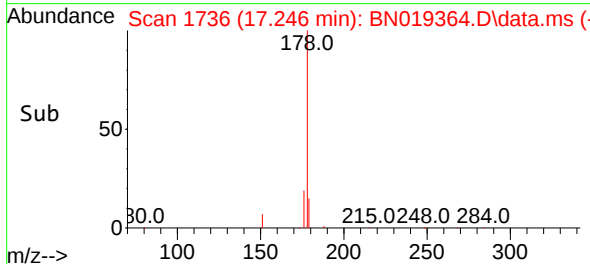
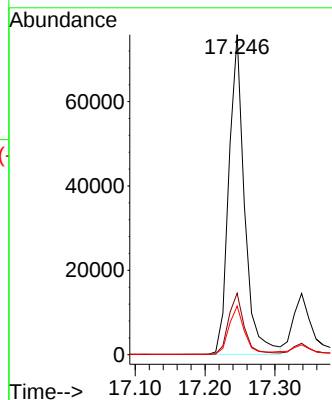
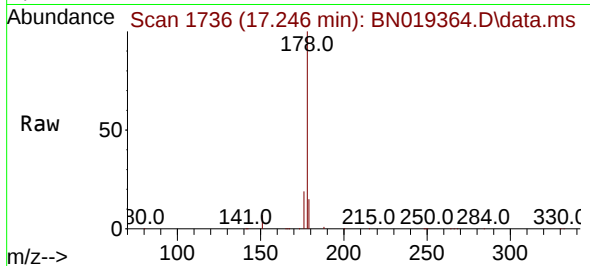




#25
Phenanthrene
Concen: 1.849 ng
RT: 17.246 min Scan# 1736
Delta R.T. 0.000 min
Lab File: BN019364.D
Acq: 05 Apr 2022 23:40

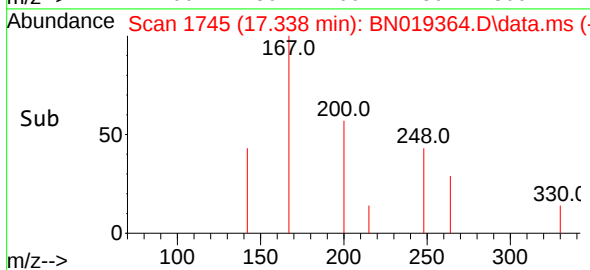
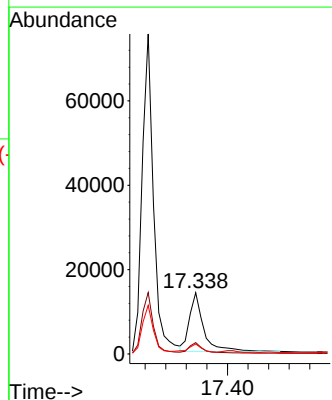
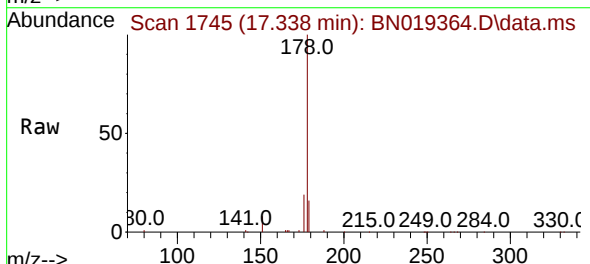
Instrument :
BNA_N
ClientSampleId :
A01040DL2

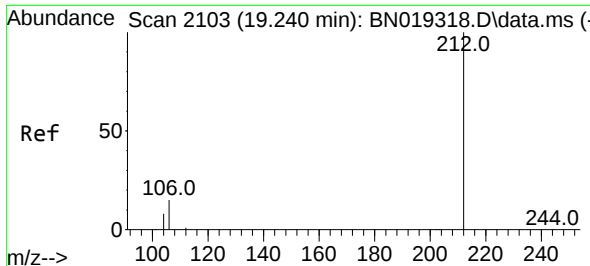
Tgt Ion:178 Resp: 118353
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 14.9 12.2 18.2



#26
Anthracene
Concen: 0.473 ng
RT: 17.338 min Scan# 1745
Delta R.T. 0.000 min
Lab File: BN019364.D
Acq: 05 Apr 2022 23:40

Tgt Ion:178 Resp: 26632
Ion Ratio Lower Upper
178 100
176 18.5 14.8 22.2
179 12.0 12.2 18.4#

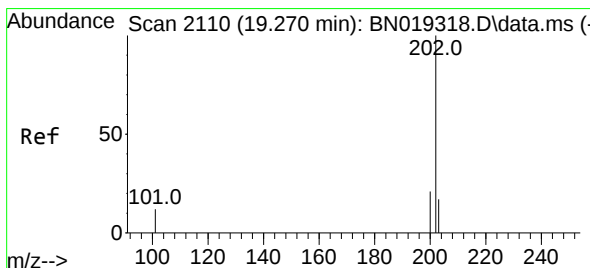
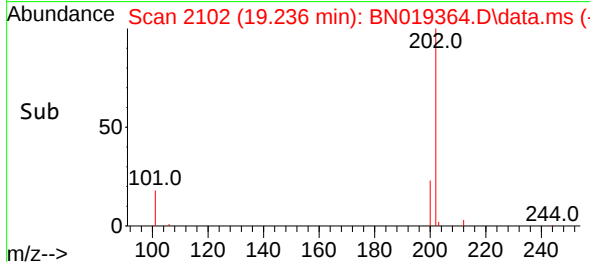
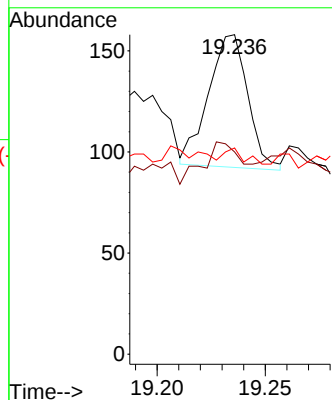
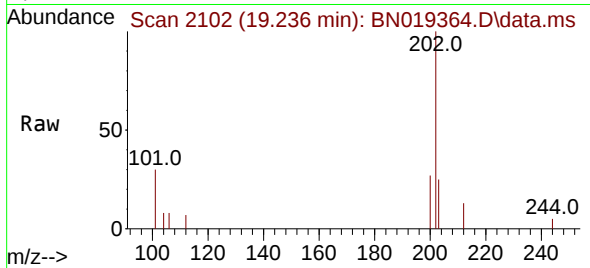




#27
Fluoranthene-d10
Concen: 0.001 ng
RT: 19.236 min Scan# 2103
Delta R.T. -0.004 min
Lab File: BN019364.D
Acq: 05 Apr 2022 23:40

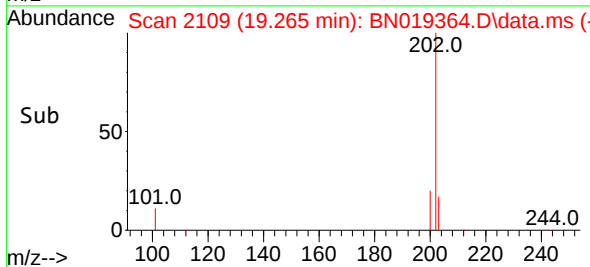
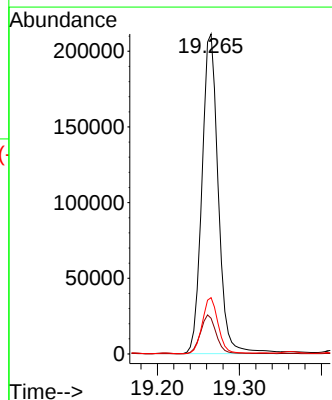
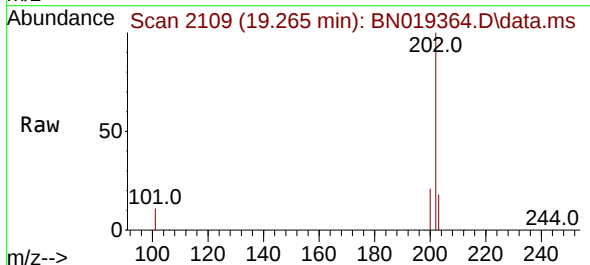
Instrument :
BNA_N
ClientSampleId :
A01040DL2

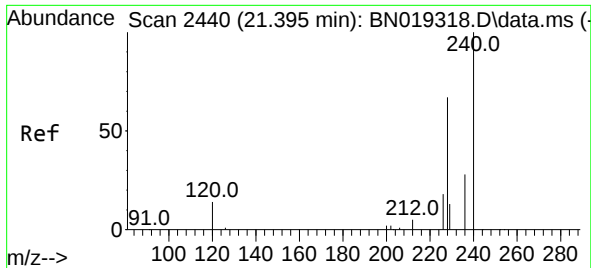
Tgt Ion:212 Resp: 83
Ion Ratio Lower Upper
212 100
106 31.3 12.7 19.1#
104 8.4 7.1 10.7



#28
Fluoranthene
Concen: 3.842 ng
RT: 19.265 min Scan# 2109
Delta R.T. -0.004 min
Lab File: BN019364.D
Acq: 05 Apr 2022 23:40

Tgt Ion:202 Resp: 291641
Ion Ratio Lower Upper
202 100
101 11.9 9.8 14.6
203 17.1 13.7 20.5

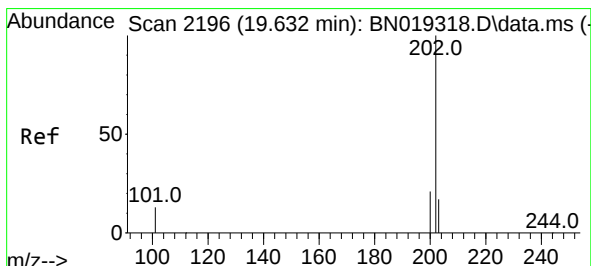
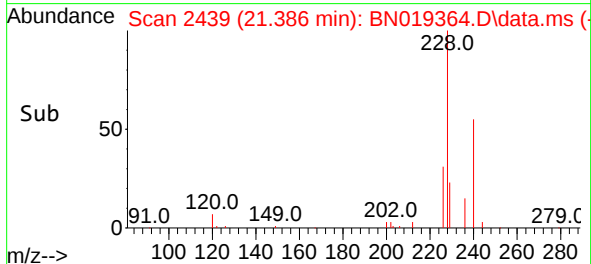
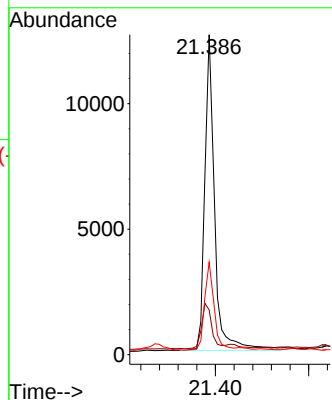
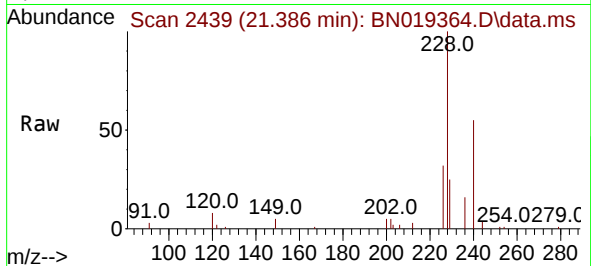




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.386 min Scan# 2440
Delta R.T. -0.009 min
Lab File: BN019364.D
Acq: 05 Apr 2022 23:40

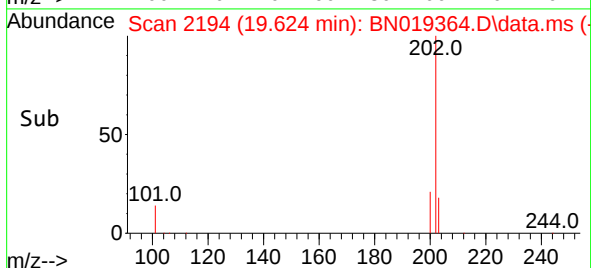
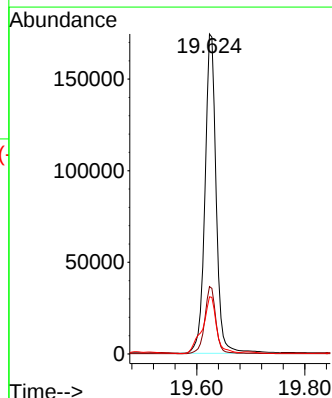
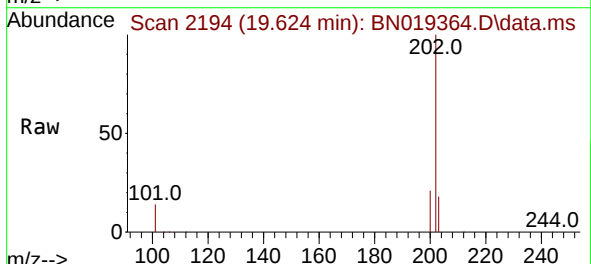
Instrument :
BNA_N
ClientSampleId :
A01040DL2

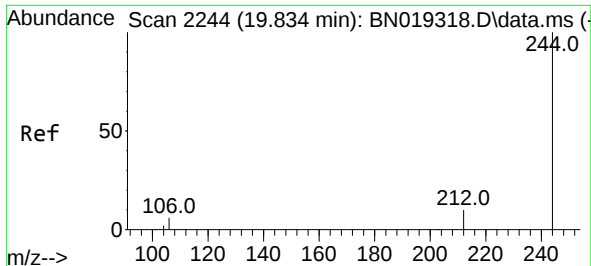
Tgt Ion:240 Resp: 18498
Ion Ratio Lower Upper
240 100
120 14.0 8.5 12.7#
236 28.9 22.4 33.6



#30
Pyrene
Concen: 2.910 ng
RT: 19.624 min Scan# 2194
Delta R.T. -0.008 min
Lab File: BN019364.D
Acq: 05 Apr 2022 23:40

Tgt Ion:202 Resp: 250419
Ion Ratio Lower Upper
202 100
200 21.1 16.9 25.3
203 22.1 14.2 21.2#

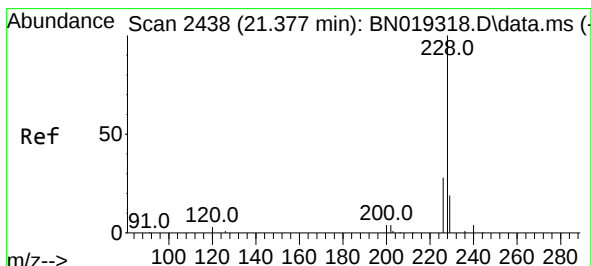
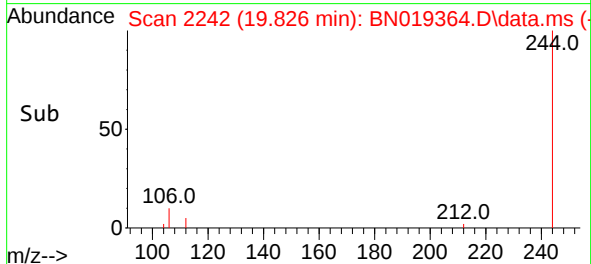
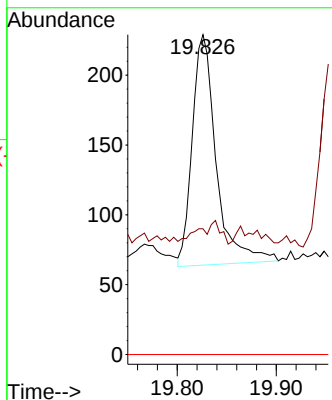
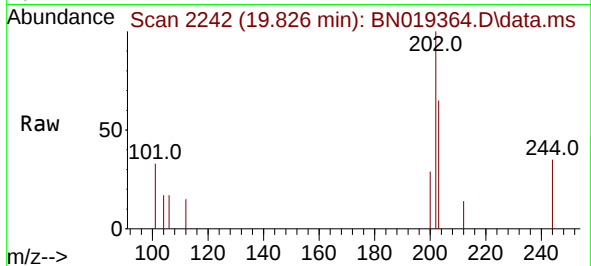




#31
 Terphenyl-d14
 Concen: 0.007 ng
 RT: 19.826 min Scan# 21
 Delta R.T. -0.008 min
 Lab File: BN019364.D
 Acq: 05 Apr 2022 23:40

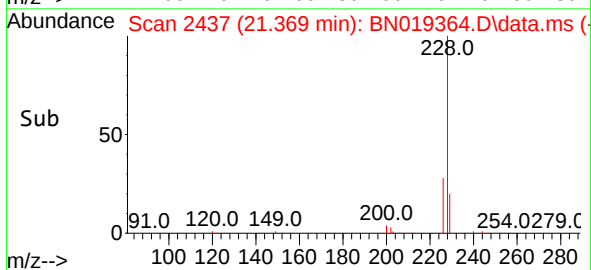
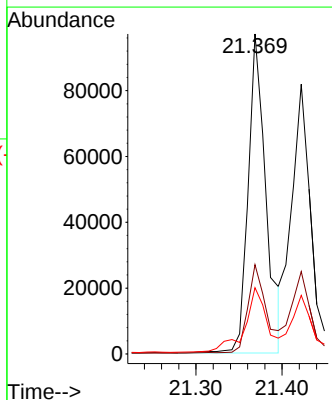
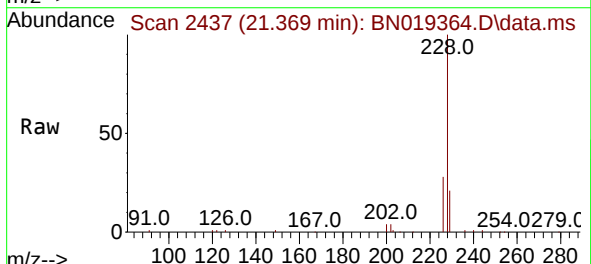
Instrument :
 BNA_N
 ClientSampleId :
 A01040DL2

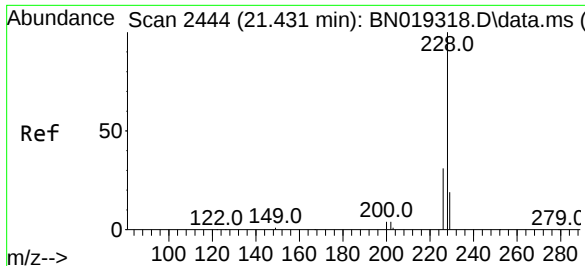
Tgt Ion:244 Resp: 278
 Ion Ratio Lower Upper
 244 100
 212 39.3 8.2 12.4#
 122 0.0 0.0 0.0



#32
 Benzo(a)anthracene
 Concen: 2.042 ng
 RT: 21.369 min Scan# 2437
 Delta R.T. -0.009 min
 Lab File: BN019364.D
 Acq: 05 Apr 2022 23:40

Tgt Ion:228 Resp: 139571
 Ion Ratio Lower Upper
 228 100
 226 27.9 21.9 32.9
 229 20.7 16.0 24.0





#33

Chrysene

Concen: 1.605 ng

RT: 21.422 min Scan# 2444

Delta R.T. -0.009 min

Lab File: BN019364.D

Acq: 05 Apr 2022 23:40

Instrument :

BNA_N

ClientSampleId :

A01040DL2

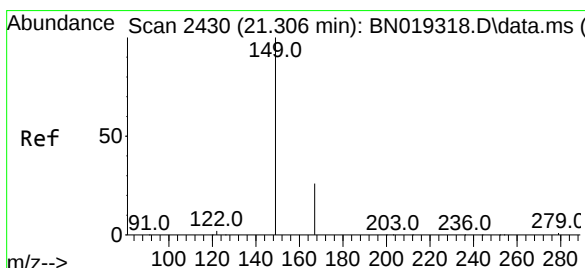
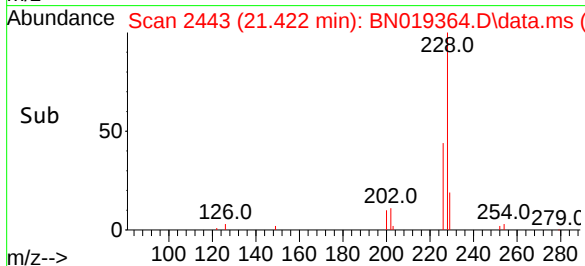
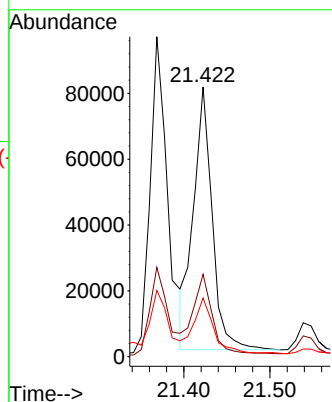
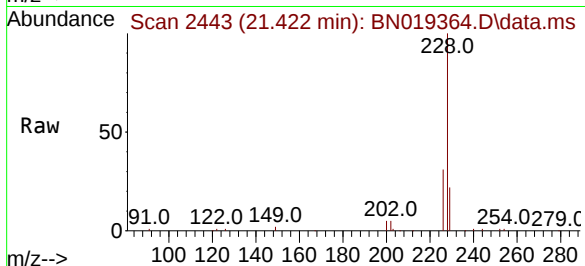
Tgt Ion:228 Resp: 121912

Ion Ratio Lower Upper

228 100

226 30.6 24.0 36.0

229 21.7 15.9 23.9



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.023 ng

RT: 21.297 min Scan# 2429

Delta R.T. -0.009 min

Lab File: BN019364.D

Acq: 05 Apr 2022 23:40

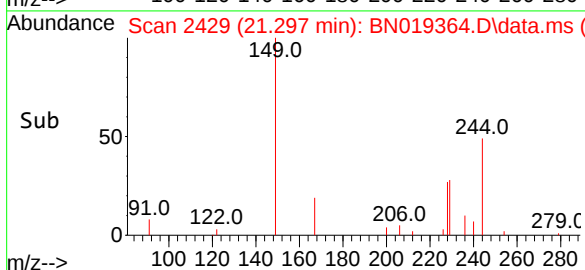
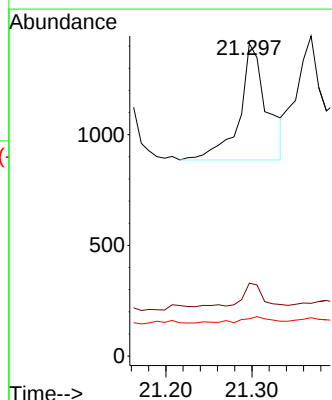
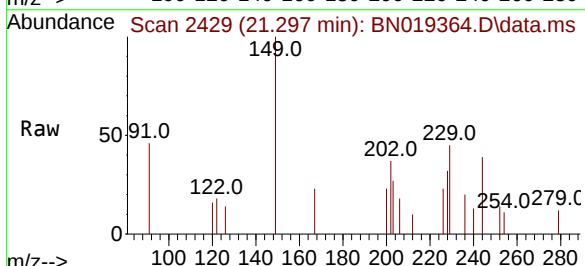
Tgt Ion:149 Resp: 1161

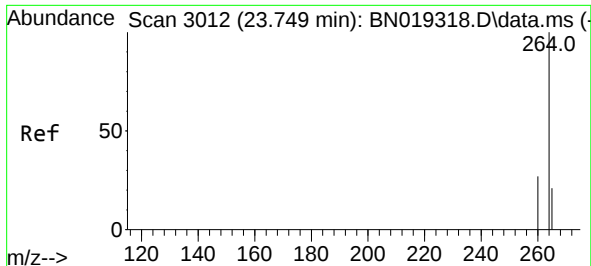
Ion Ratio Lower Upper

149 100

167 14.8 21.8 32.8#

279 6.0 2.0 3.0#

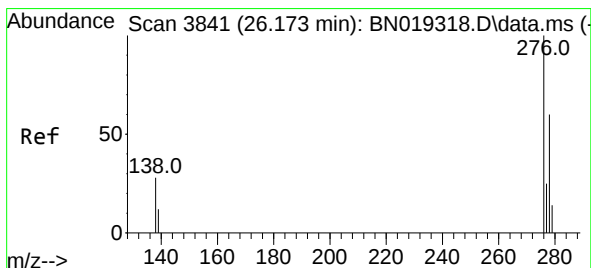
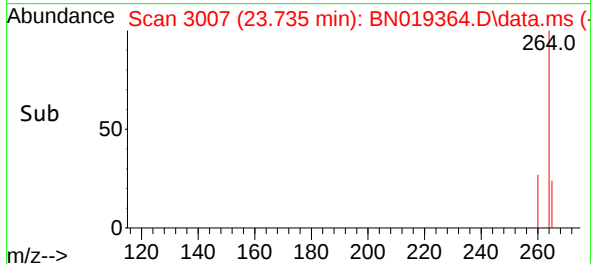
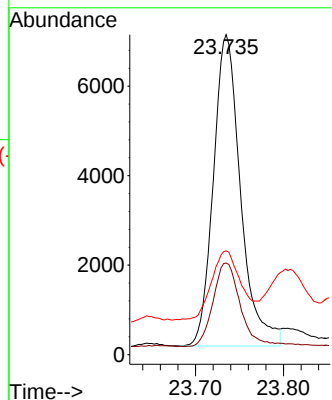
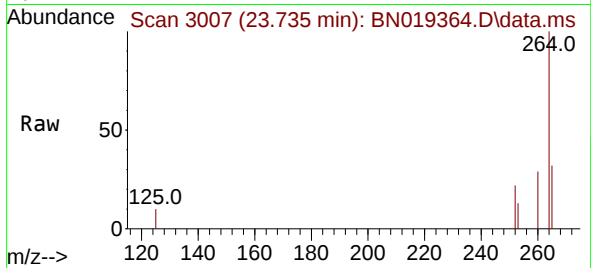




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.735 min Scan# 3012
Delta R.T. -0.015 min
Lab File: BN019364.D
Acq: 05 Apr 2022 23:40

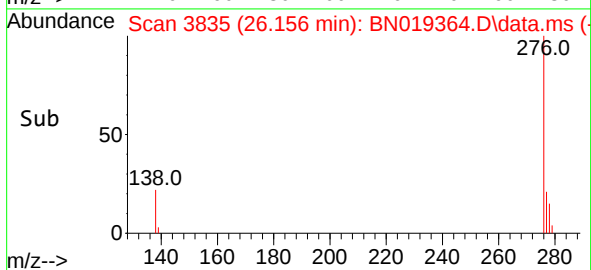
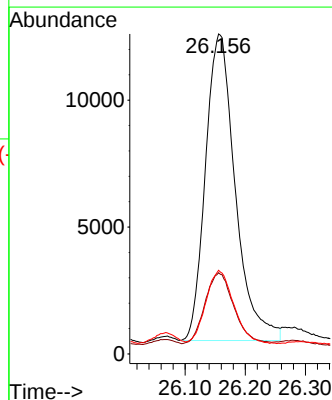
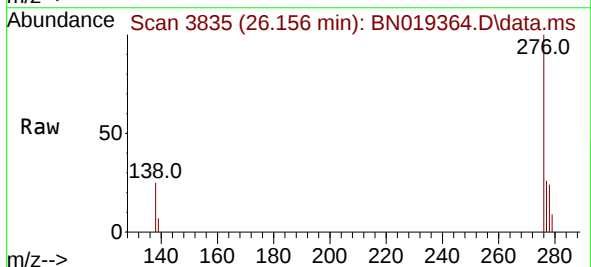
Instrument :
BNA_N
ClientSampleId :
A01040DL2

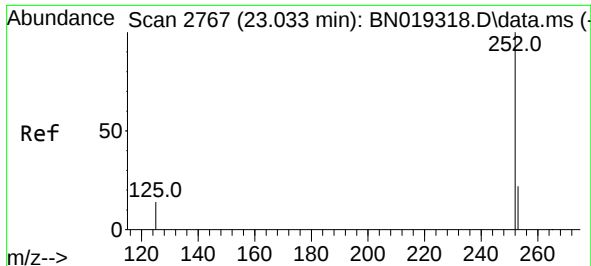
Tgt Ion:264	Resp:	14989
Ion Ratio	Lower	Upper
264	100	
260	28.7	22.4 33.6
265	32.5	25.3 37.9



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.662 ng
RT: 26.156 min Scan# 3835
Delta R.T. -0.018 min
Lab File: BN019364.D
Acq: 05 Apr 2022 23:40

Tgt Ion:276	Resp:	41557
Ion Ratio	Lower	Upper
276	100	
138	22.3	24.5 36.7#
277	22.1	19.8 29.8

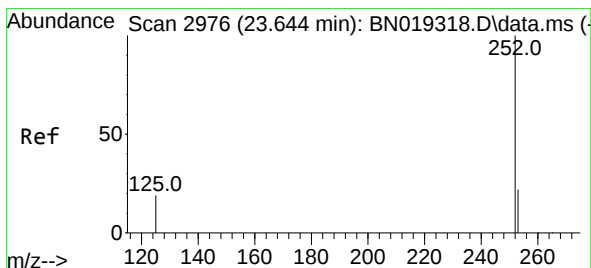
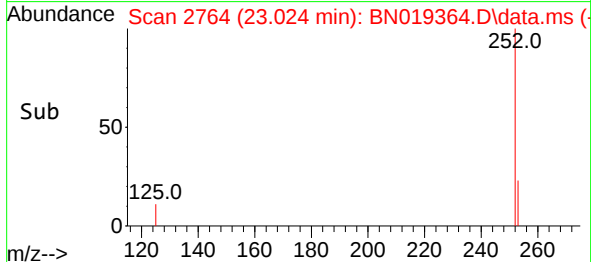
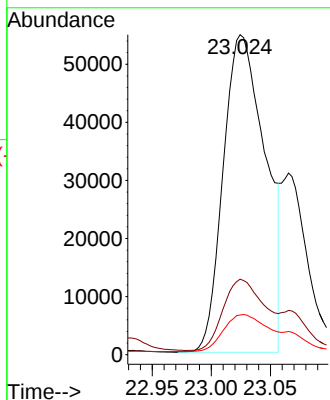
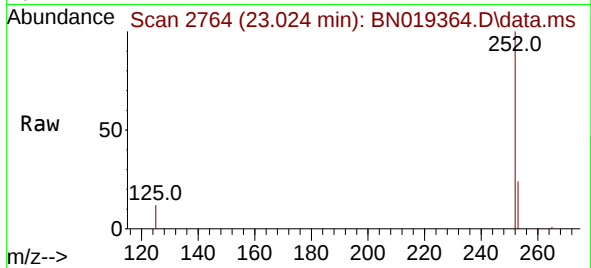




#37
Benzo(b)fluoranthene
Concen: 2.302 ng
RT: 23.024 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN019364.D
Acq: 05 Apr 2022 23:40

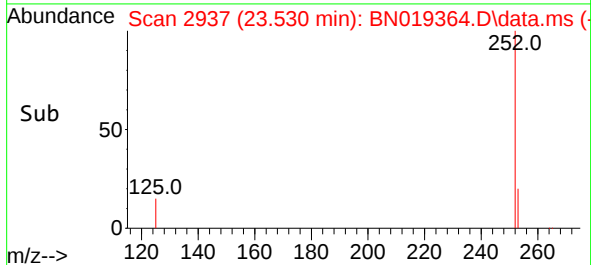
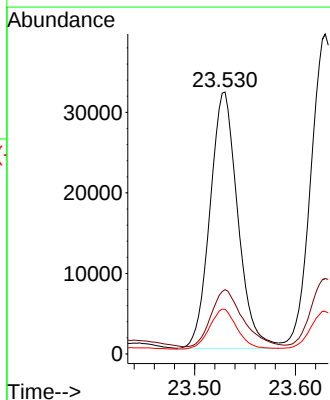
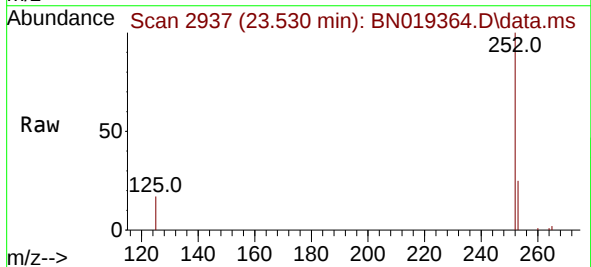
Instrument :
BNA_N
ClientSampleId :
A01040DL2

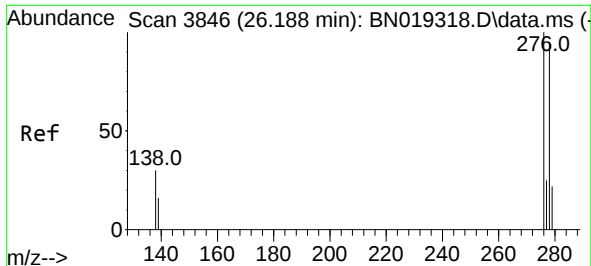
Tgt Ion:252 Resp: 135206
Ion Ratio Lower Upper
252 100
253 23.6 18.9 28.3
125 12.4 12.1 18.1



#39
Benzo(a)pyrene
Concen: 1.154 ng
RT: 23.530 min Scan# 2937
Delta R.T. -0.114 min
Lab File: BN019364.D
Acq: 05 Apr 2022 23:40

Tgt Ion:252 Resp: 60915
Ion Ratio Lower Upper
252 100
253 24.6 20.1 30.1
125 17.1 15.2 22.8

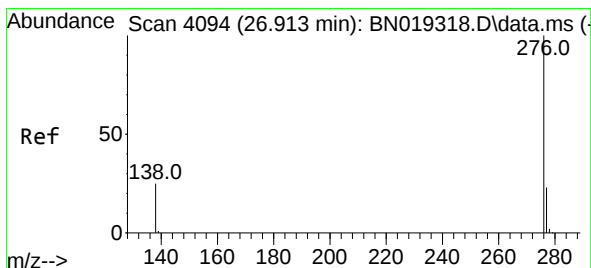
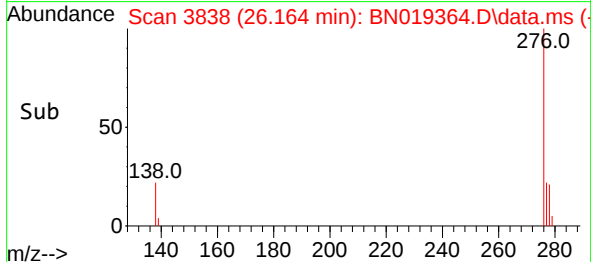
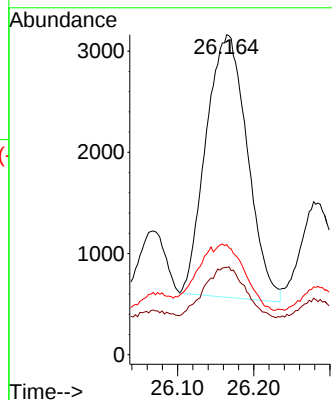
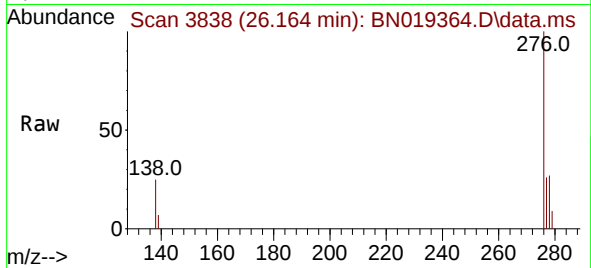




#40
Dibenzo(a,h)anthracene
Concen: 0.201 ng
RT: 26.164 min Scan# 3838
Delta R.T. -0.023 min
Lab File: BN019364.D
Acq: 05 Apr 2022 23:40

Instrument :
BNA_N
ClientSampleId :
A01040DL2

Tgt Ion:278 Resp: 9760
Ion Ratio Lower Upper
278 100
139 27.3 17.2 25.8#
279 34.4 19.9 29.9#



#41
Benzo(g,h,i)perylene
Concen: 0.716 ng
RT: 26.901 min Scan# 4090
Delta R.T. -0.012 min
Lab File: BN019364.D
Acq: 05 Apr 2022 23:40

Tgt Ion:276 Resp: 41667
Ion Ratio Lower Upper
276 100
277 25.1 19.4 29.0
138 25.6 21.0 31.6

