

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN041122\
 Data File : BN019423.D
 Acq On : 11 Apr 2022 21:36
 Operator : CG/JU
 Sample : N2334-13 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DUP040722

Quant Time: Apr 12 07:33:12 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

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 04/12/2022
 Supervised By : Jagrut Upadhyay 04/13/2022

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 Supervised By : Jagrut
 Upadhyay

04/13/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.826	152	5247	0.400	ng	0.00
7) Naphthalene-d8	10.626	136	14646	0.400	ng	# 0.00
13) Acenaphthene-d10	14.463	164	9005	0.400	ng	0.00
19) Phenanthrene-d10	17.205	188	15681	0.400	ng	# 0.00
29) Chrysene-d12	21.387	240	10316	0.400	ng	# 0.00
35) Perylene-d12	23.738	264	9027	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.392	112	254	0.018	ng	0.00
5) Phenol-d6	7.002	99	151	0.009	ng	0.01
8) Nitrobenzene-d5	8.982	82	974	0.073	ng	0.00
11) 2-Methylnaphthalene-d10	12.219	152	825	0.032	ng	0.00
14) 2,4,6-Tribromophenol	15.954	330	98	0.018	ng	0.00
15) 2-Fluorobiphenyl	13.095	172	1413	0.038	ng	0.00
27) Fluoranthene-d10	19.236	212	1841	0.036	ng	0.00
31) Terphenyl-d14	19.830	244	1195	0.053	ng	0.00
Target Compounds						
9) Naphthalene	10.669	128	73912	1.710	ng	# 85
12) 2-Methylnaphthalene	12.291	142	30260	1.010	ng	96
17) Acenaphthene	14.527	154	4368	0.147	ng	96
18) Fluorene	15.511	166	3640	0.093	ng	# 93
25) Phenanthrene	17.246	178	2774m	0.053	ng	
26) Anthracene	17.338	178	3059	0.066	ng	# 93
28) Fluoranthene	19.265	202	27857	0.446	ng	99
30) Pyrene	19.628	202	28760	0.599	ng	# 95
32) Benzo(a)anthracene	21.378	228	6846	0.180	ng	# 90
33) Chrysene	21.422	228	6156	0.145	ng	# 90
34) Bis(2-ethylhexyl)phtha...	21.297	149	6364	0.224	ng	# 99
36) Indeno(1,2,3-cd)pyrene	26.170	276	3190	0.084	ng	# 85
37) Benzo(b)fluoranthene	23.027	252	7081	0.200	ng	# 78
38) Benzo(k)fluoranthene	23.068	252	2856m	0.077	ng	
39) Benzo(a)pyrene	23.635	252	4438	0.140	ng	# 72
41) Benzo(g,h,i)perylene	26.904	276	5153	0.147	ng	91

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

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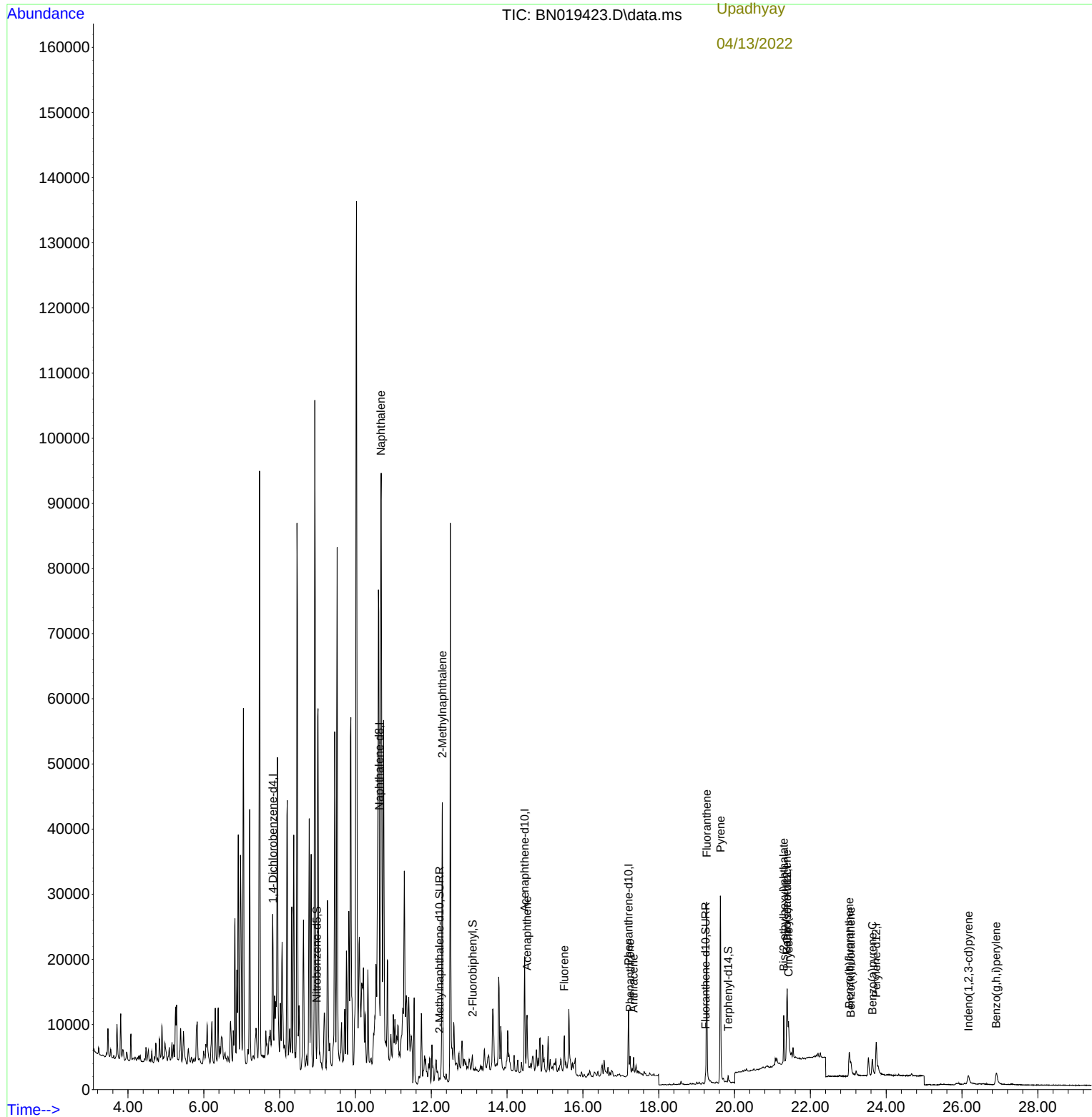
Quant Time: Apr 12 07:33:12 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN040422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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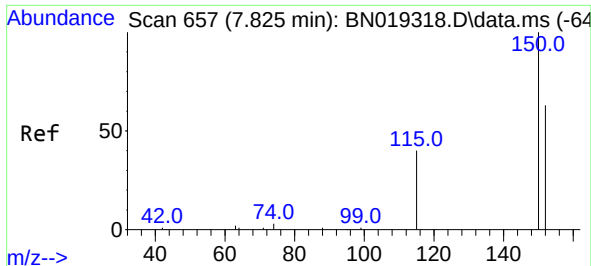
Manual Integrations
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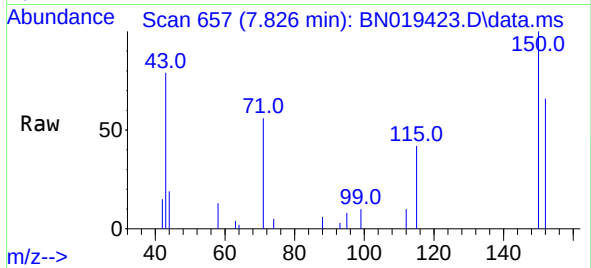
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#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.826 min Scan# 61
Delta R.T. 0.001 min
Lab File: BN019423.D
Acq: 11 Apr 2022 21:36

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BNA_N
ClientSampleId :
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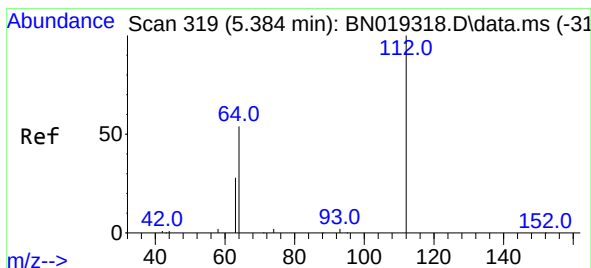
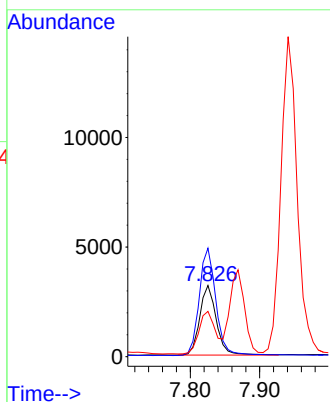
Tgt Ion:152 Resp: 524
Ion Ratio Lower Upper
152 100
150 152.5 123.9 185.9
115 63.7 48.2 72.4

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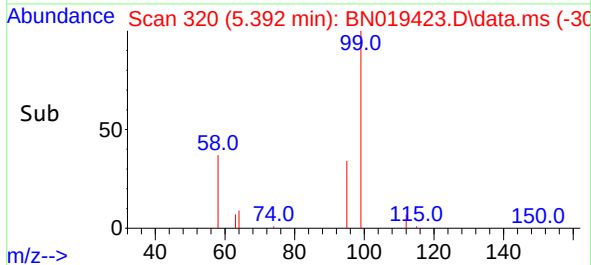
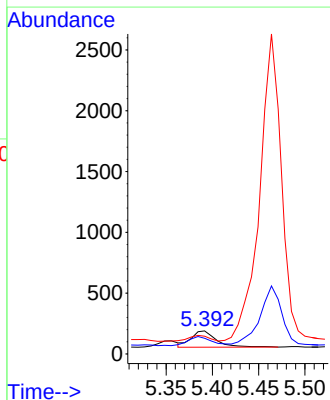
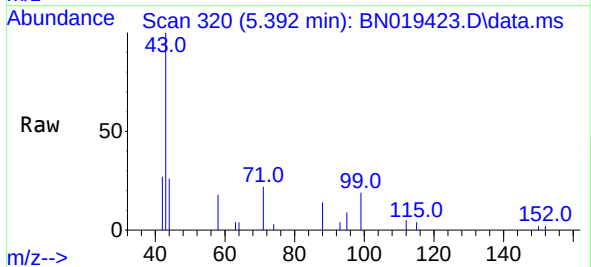
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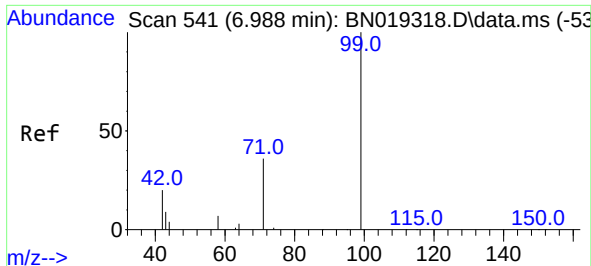
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#4
2-Fluorophenol
Concen: 0.018 ng
RT: 5.392 min Scan# 320
Delta R.T. 0.007 min
Lab File: BN019423.D
Acq: 11 Apr 2022 21:36

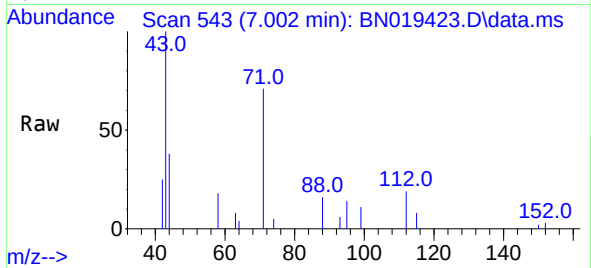
Tgt Ion:112 Resp: 254
Ion Ratio Lower Upper
112 100
64 53.9 47.8 71.8
63 0.0 25.7 38.5





#5
Phenol-d6
Concen: 0.009 ng
RT: 7.002 min Scan# 541
Delta R.T. 0.015 min
Lab File: BN019423.D
Acq: 11 Apr 2022 21:36

Instrument :
BNA_N
ClientSampleId :
DUP040722



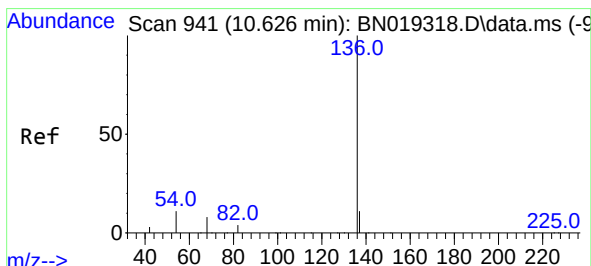
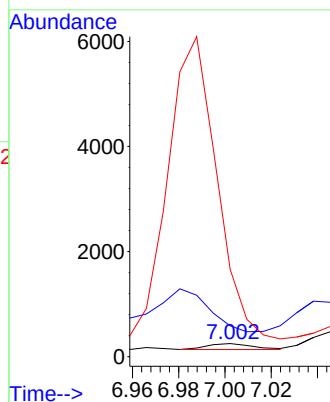
Tgt Ion: 99 Resp: 15
Ion Ratio Lower Upper
99 100
42 0.0 16.2 24.4
71 0.0 27.7 41.5

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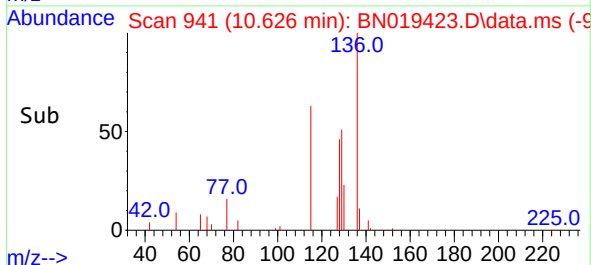
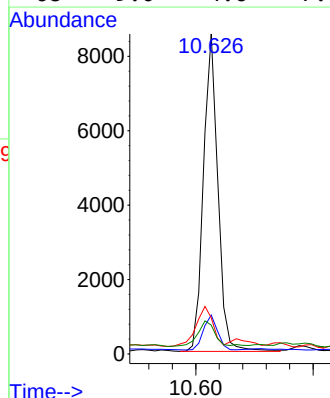
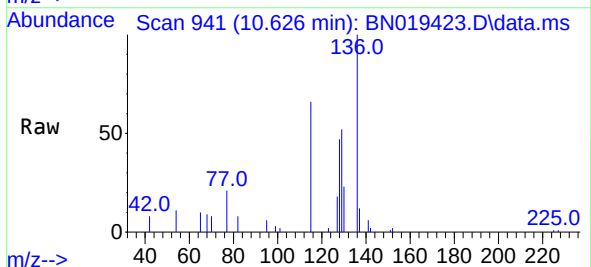
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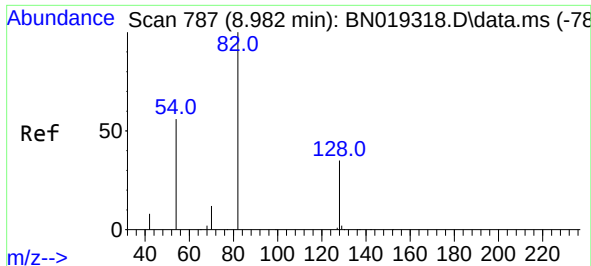
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#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN019423.D
Acq: 11 Apr 2022 21:36

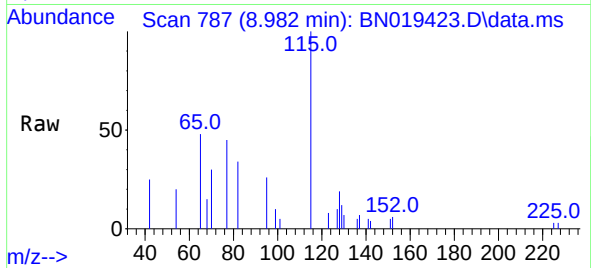
Tgt Ion:136 Resp: 14646
Ion Ratio Lower Upper
136 100
137 12.1 9.0 13.4
54 11.3 5.8 8.6#
68 9.0 4.6 7.0#





#8
Nitrobenzene-d5
Concen: 0.073 ng
RT: 8.982 min Scan# 787
Delta R.T. 0.000 min
Lab File: BN019423.D
Acq: 11 Apr 2022 21:36

Instrument :
BNA_N
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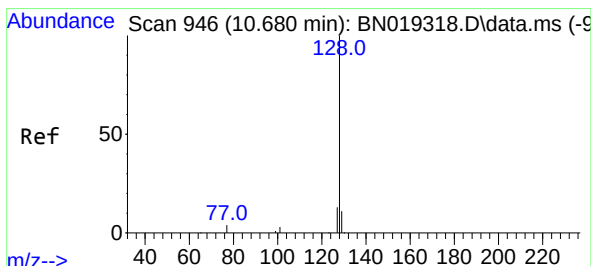
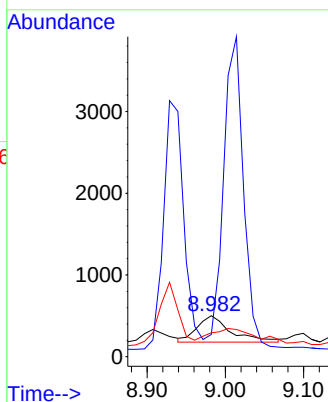
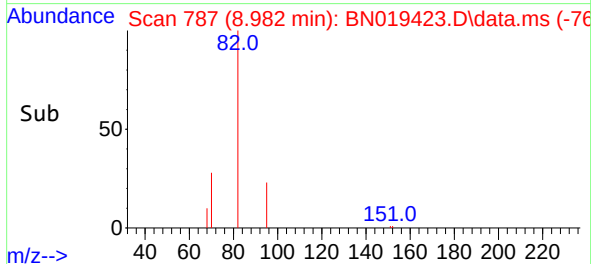
Tgt Ion: 82 Resp: 974
Ion Ratio Lower Upper
82 100
128 54.4 33.0 49.6
54 58.4 42.5 63.7

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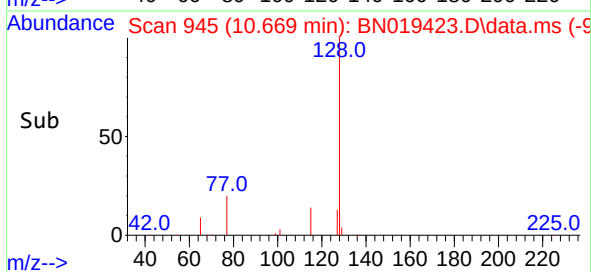
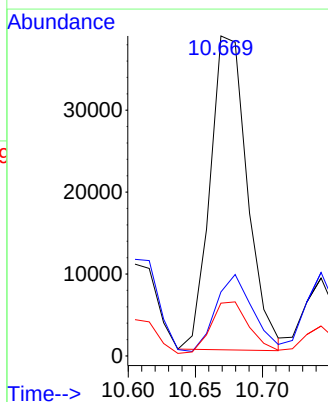
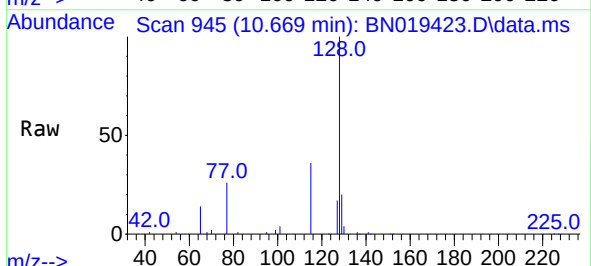
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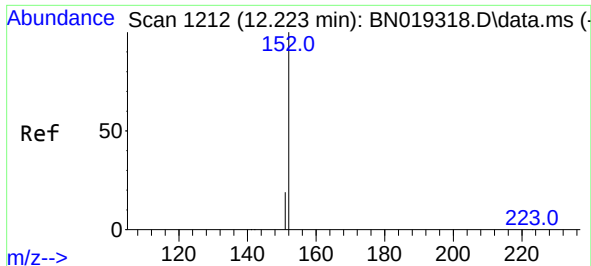
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#9
Naphthalene
Concen: 1.710 ng
RT: 10.669 min Scan# 945
Delta R.T. -0.011 min
Lab File: BN019423.D
Acq: 11 Apr 2022 21:36

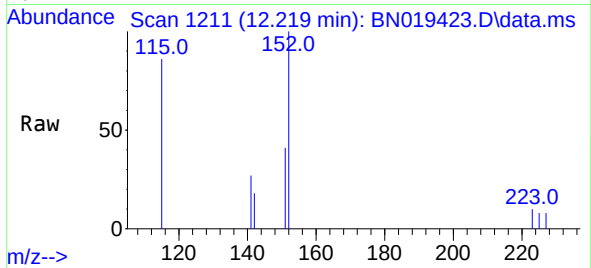
Tgt Ion:128 Resp: 73912
Ion Ratio Lower Upper
128 100
129 20.0 9.0 13.4#
127 16.5 10.7 16.1#





#11
2-Methylnaphthalene-d10
Concen: 0.032 ng
RT: 12.219 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN019423.D
Acq: 11 Apr 2022 21:36

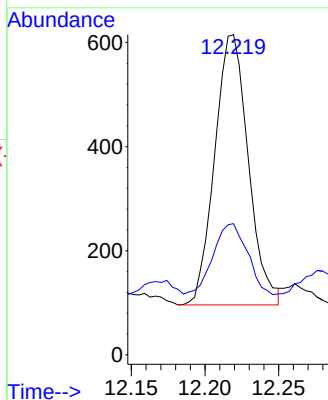
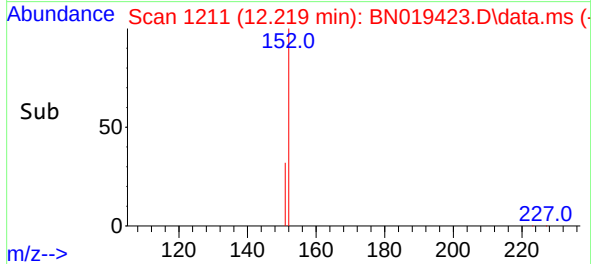
Instrument :
BNA_N
ClientSampleId :
DUP040722



Tgt Ion:152 Resp: 825
Ion Ratio Lower Upper
152 100
151 32.8 16.5 24.7

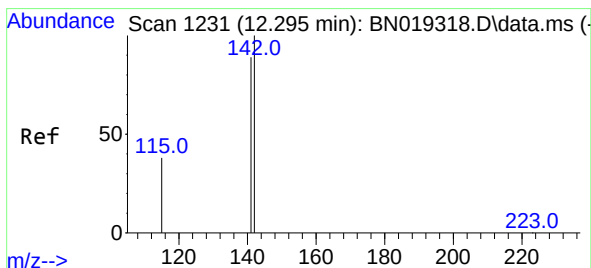
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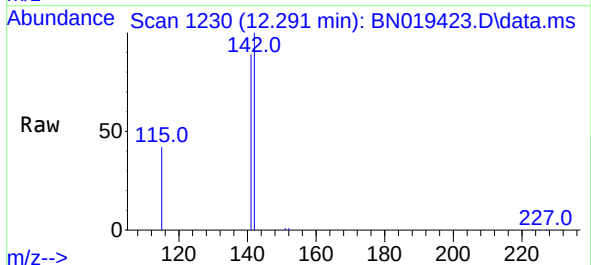


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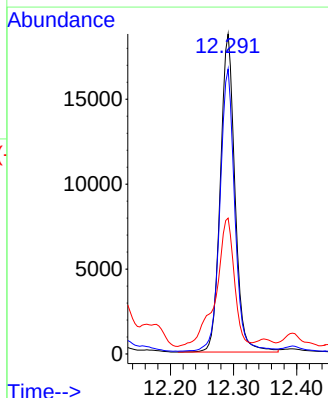
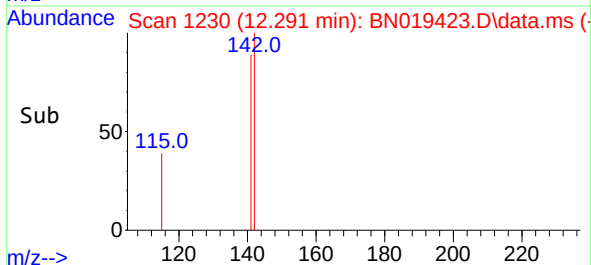
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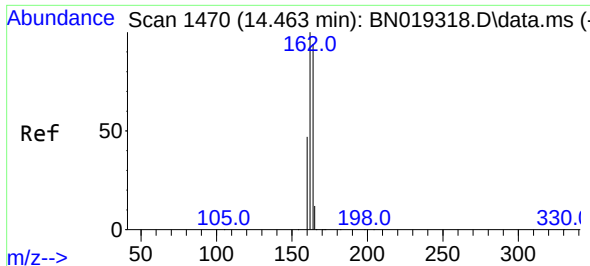


#12
2-Methylnaphthalene
Concen: 1.010 ng
RT: 12.291 min Scan# 1230
Delta R.T. -0.004 min
Lab File: BN019423.D
Acq: 11 Apr 2022 21:36



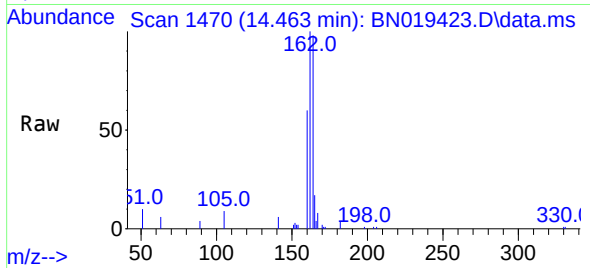
Tgt Ion:142 Resp: 30260
Ion Ratio Lower Upper
142 100
141 89.0 70.0 105.0
115 42.5 29.8 44.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.463 min Scan# 1470
Delta R.T. 0.000 min
Lab File: BN019423.D
Acq: 11 Apr 2022 21:36

Instrument :
BNA_N
ClientSampleId :
DUP040722



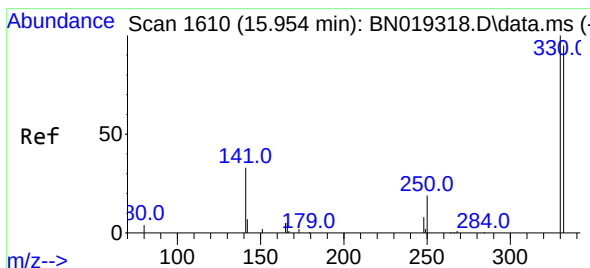
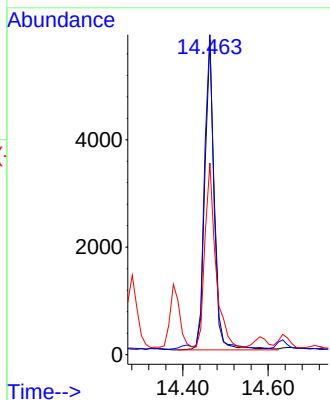
Tgt Ion:164 Resp: 900
Ion Ratio Lower Upper
164 100
162 101.6 85.2 127.8
160 60.9 41.5 62.3

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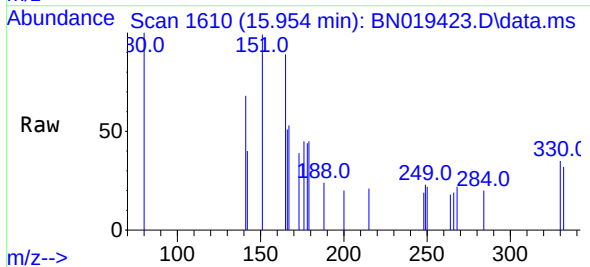
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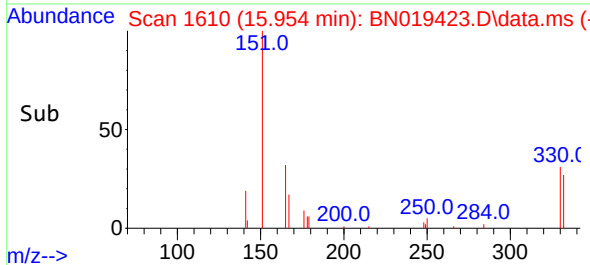
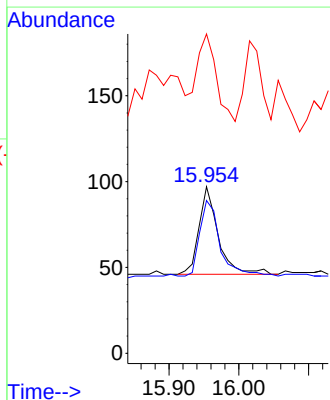
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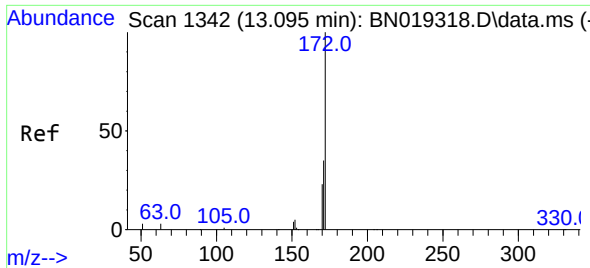


#14
2,4,6-Tribromophenol
Concen: 0.018 ng
RT: 15.954 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BN019423.D
Acq: 11 Apr 2022 21:36



Tgt Ion:330 Resp: 98
Ion Ratio Lower Upper
330 100
332 90.8 76.8 115.2
141 101.0 32.2 48.2#





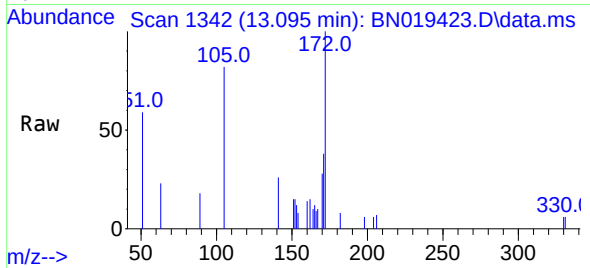
#15
2-Fluorobiphenyl
Concen: 0.038 ng
RT: 13.095 min Scan# 1342
Delta R.T. 0.000 min
Lab File: BN019423.D
Acq: 11 Apr 2022 21:36

Instrument :

BNA_N

ClientSampleId :

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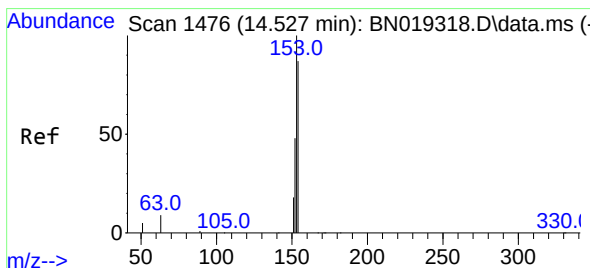
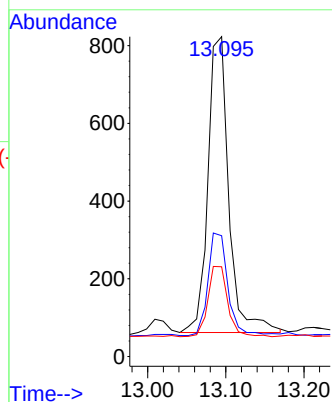
Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.8	28.2	42.2
170	28.1	18.7	28.1

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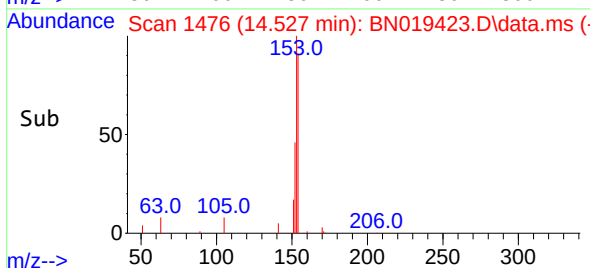
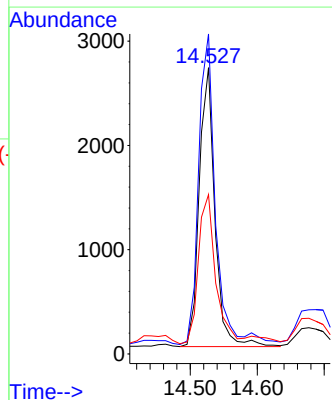
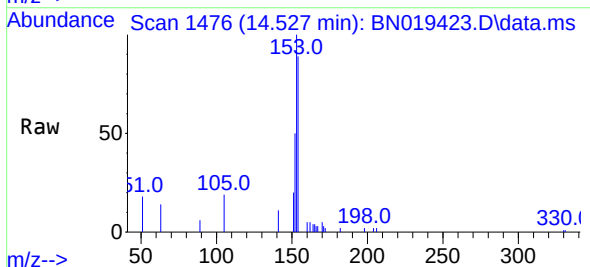
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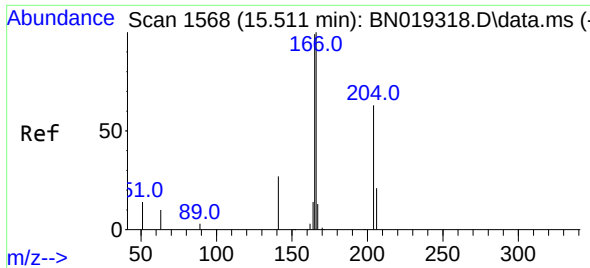
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#17
Acenaphthene
Concen: 0.147 ng
RT: 14.527 min Scan# 1476
Delta R.T. 0.000 min
Lab File: BN019423.D
Acq: 11 Apr 2022 21:36

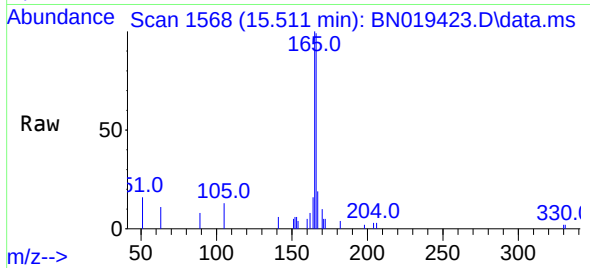
Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.6	89.7	134.5
152	59.1	44.7	67.1





#18
Fluorene
Concen: 0.093 ng
RT: 15.511 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BN019423.D
Acq: 11 Apr 2022 21:36

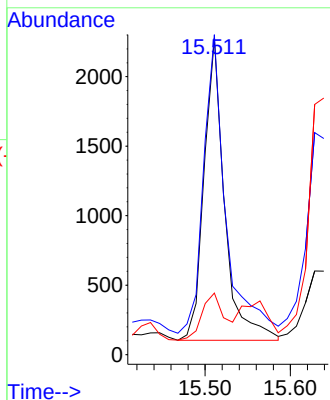
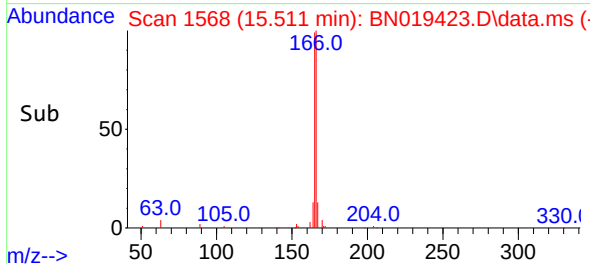
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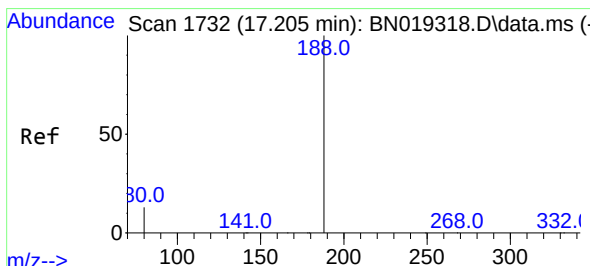
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Ion Ratio Lower Upper
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167 17.2 10.7 16.1

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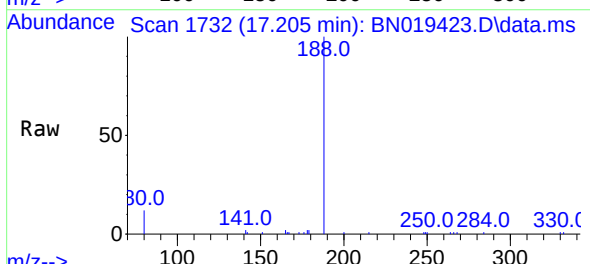
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Supervised By :Jagrut Upadhyay 04/13/2022



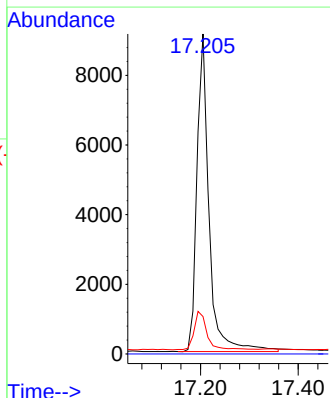
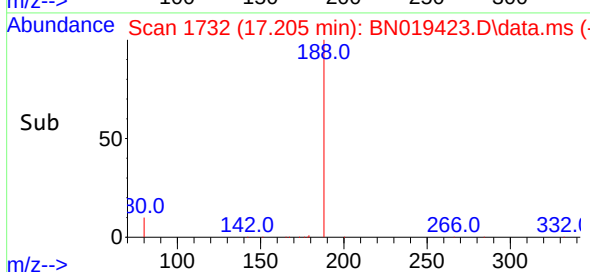
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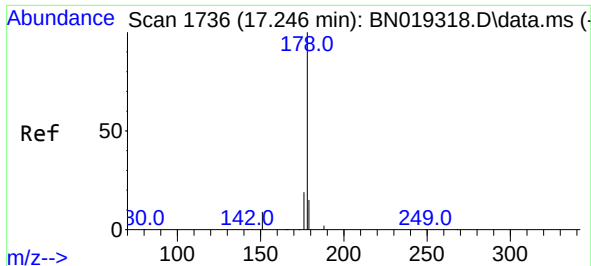


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.205 min Scan# 1732
Delta R.T. 0.000 min
Lab File: BN019423.D
Acq: 11 Apr 2022 21:36



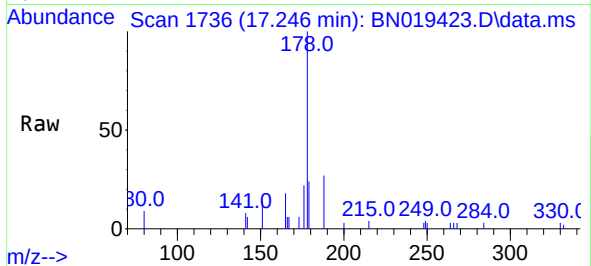
Tgt Ion:188 Resp: 15681
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.7 11.8 17.8





#25
Phenanthrene
Concen: 0.053 ng m
RT: 17.246 min Scan# 1736
Delta R.T. 0.000 min
Lab File: BN019423.D
Acq: 11 Apr 2022 21:36

Instrument :
BNA_N
ClientSampleId :
DUP040722



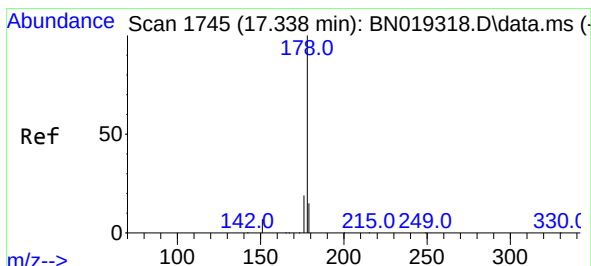
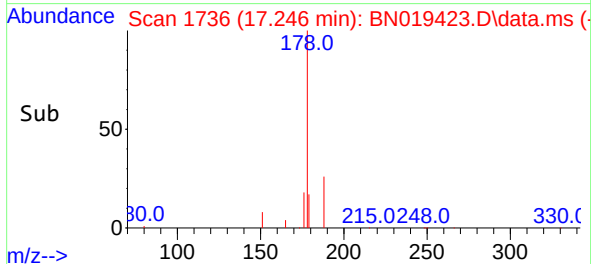
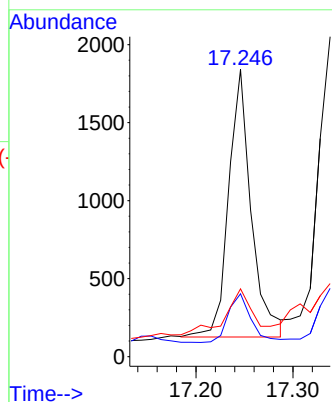
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.0
179	27.6	12.2	18.2

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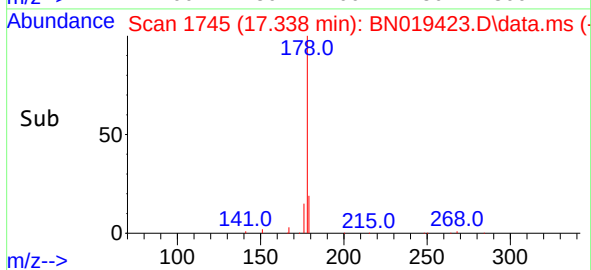
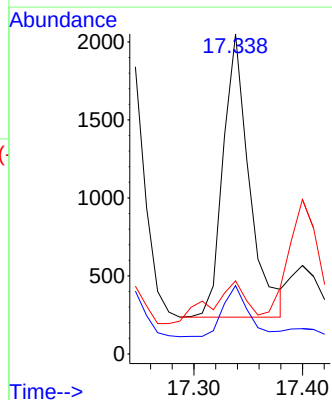
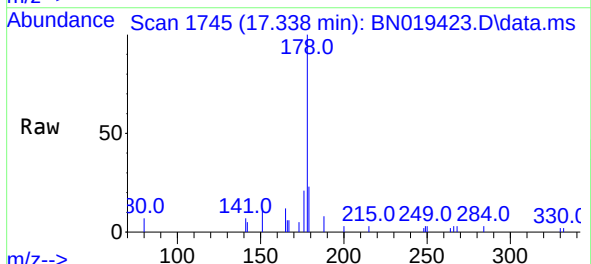
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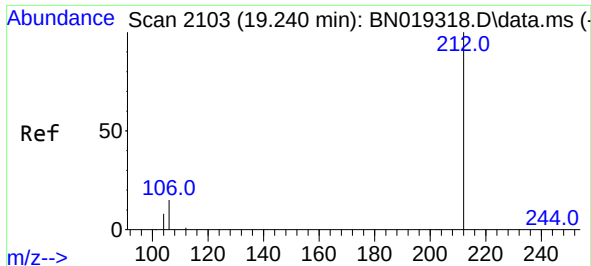
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#26
Anthracene
Concen: 0.066 ng
RT: 17.338 min Scan# 1745
Delta R.T. 0.000 min
Lab File: BN019423.D
Acq: 11 Apr 2022 21:36

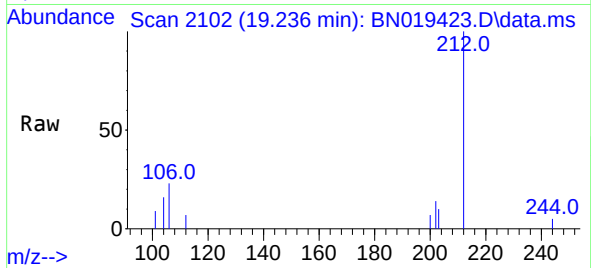
Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.1	14.8	22.2
179	20.6	12.2	18.4





#27
Fluoranthene-d10
Concen: 0.036 ng
RT: 19.236 min Scan# 2102
Delta R.T. -0.004 min
Lab File: BN019423.D
Acq: 11 Apr 2022 21:36

Instrument :
BNA_N
ClientSampleId :
DUP040722



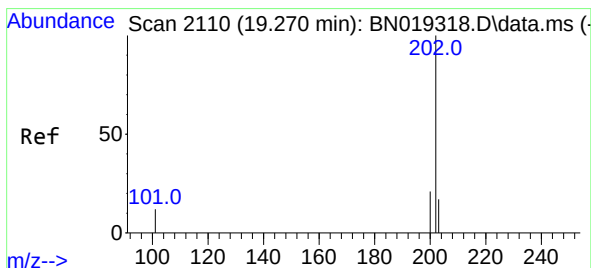
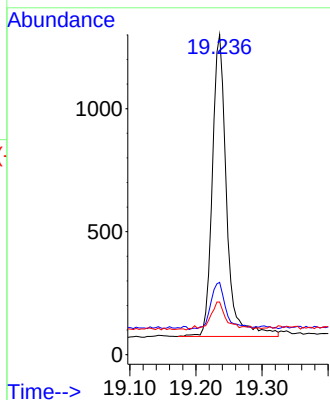
Tgt Ion:212 Resp: 184
Ion Ratio Lower Upper
212 100
106 15.8 12.7 19.1
104 8.3 7.1 10.7

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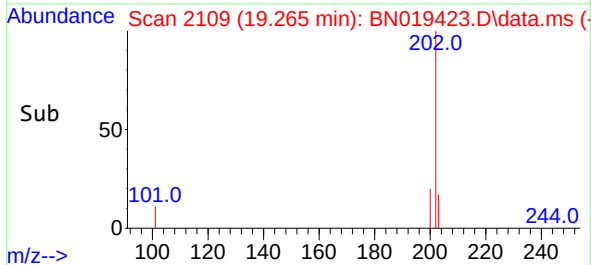
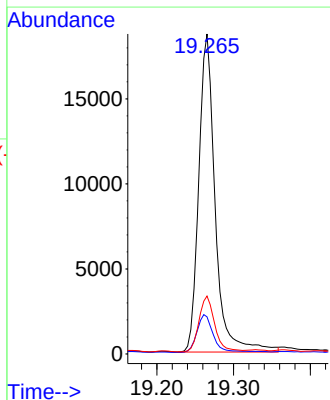
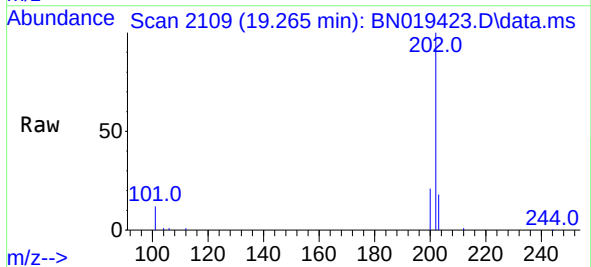
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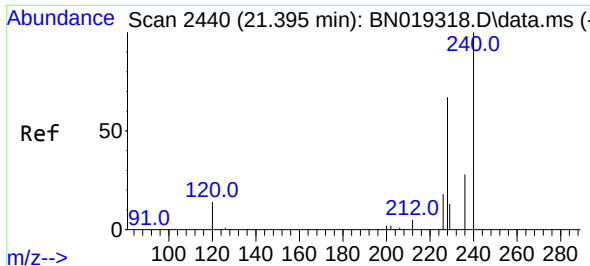
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#28
Fluoranthene
Concen: 0.446 ng
RT: 19.265 min Scan# 2109
Delta R.T. -0.004 min
Lab File: BN019423.D
Acq: 11 Apr 2022 21:36

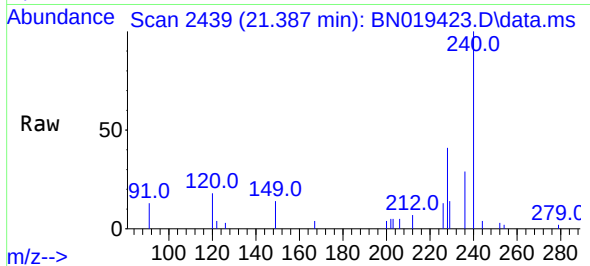
Tgt Ion:202 Resp: 27857
Ion Ratio Lower Upper
202 100
101 11.9 9.8 14.6
203 16.8 13.7 20.5





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.387 min Scan# 2439
Delta R.T. -0.009 min
Lab File: BN019423.D
Acq: 11 Apr 2022 21:36

Instrument :
BNA_N
ClientSampleId :
DUP040722



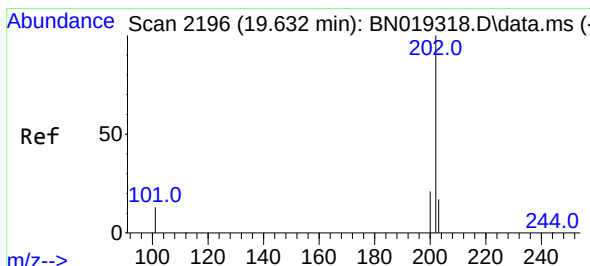
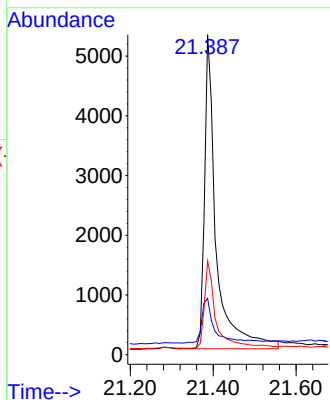
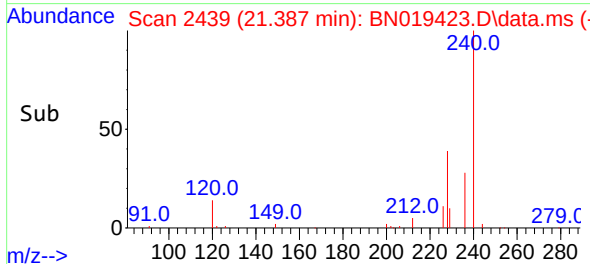
Tgt Ion:240 Resp: 10310
Ion Ratio Lower Upper
240 100
120 17.5 8.5 12.7
236 29.3 22.4 33.6

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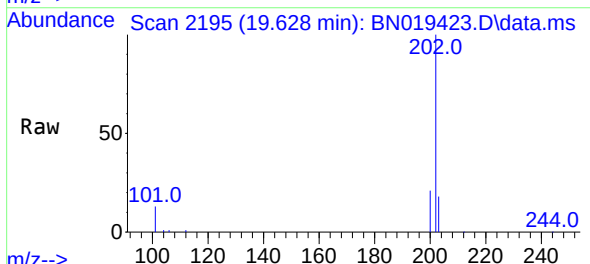
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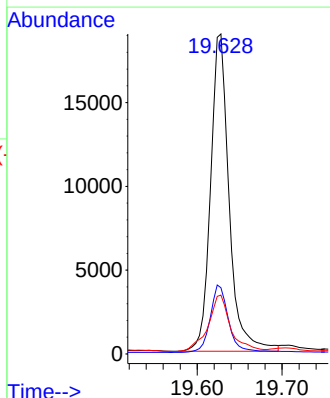
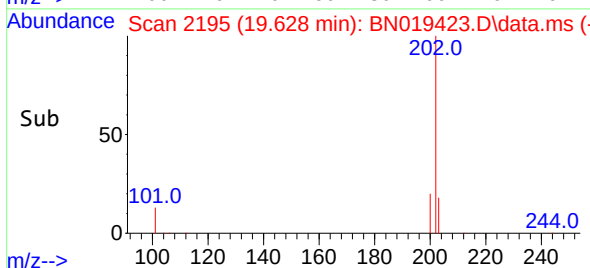
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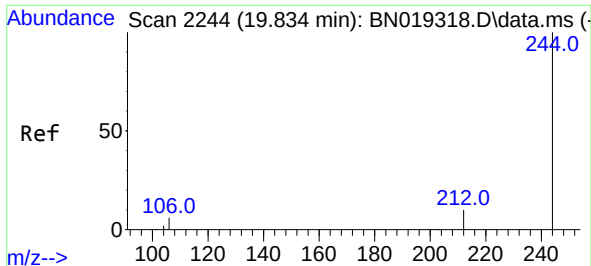


#30
Pyrene
Concen: 0.599 ng
RT: 19.628 min Scan# 2195
Delta R.T. -0.004 min
Lab File: BN019423.D
Acq: 11 Apr 2022 21:36



Tgt Ion:202 Resp: 28760
Ion Ratio Lower Upper
202 100
200 21.5 16.9 25.3
203 21.7 14.2 21.2





#31
Terphenyl-d14
Concen: 0.053 ng
RT: 19.830 min Scan# 2195
Delta R.T. -0.004 min
Lab File: BN019423.D
Acq: 11 Apr 2022 21:36

Instrument :

BNA_N

ClientSampleId :

DUP040722

Tgt Ion:244 Resp: 1195
Ion Ratio Lower Upper
244 100
212 19.1 8.2 12.4
122 0.0 0.0 0.0

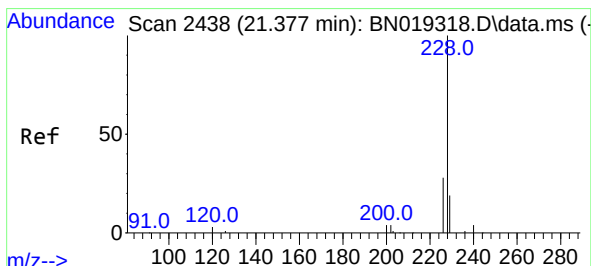
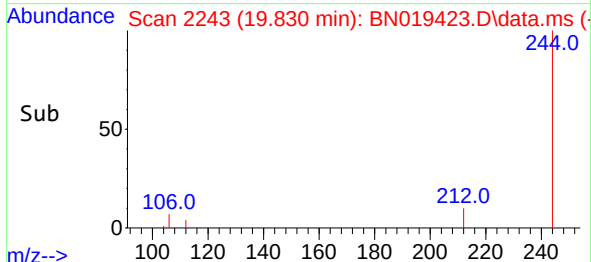
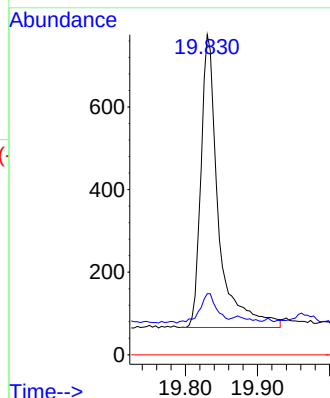
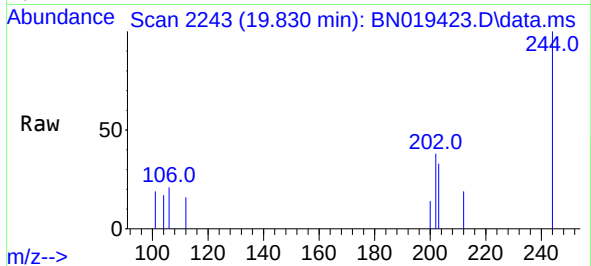
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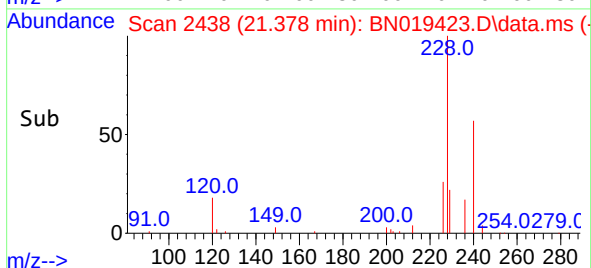
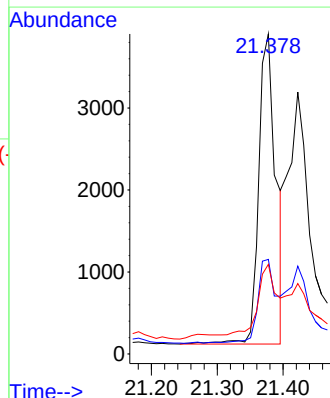
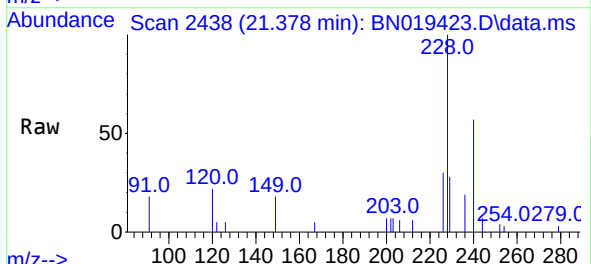
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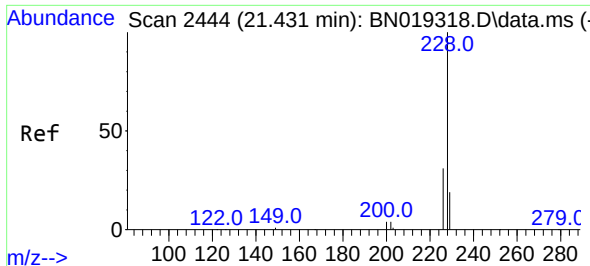
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#32
Benzo(a)anthracene
Concen: 0.180 ng
RT: 21.378 min Scan# 2438
Delta R.T. 0.000 min
Lab File: BN019423.D
Acq: 11 Apr 2022 21:36

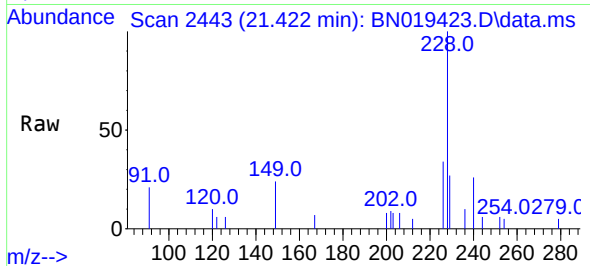
Tgt Ion:228 Resp: 6846
Ion Ratio Lower Upper
228 100
226 29.6 21.9 32.9
229 28.0 16.0 24.0





#33
Chrysene
Concen: 0.145 ng
RT: 21.422 min Scan# 2443
Delta R.T. -0.009 min
Lab File: BN019423.D
Acq: 11 Apr 2022 21:36

Instrument :
BNA_N
ClientSampleId :
DUP040722



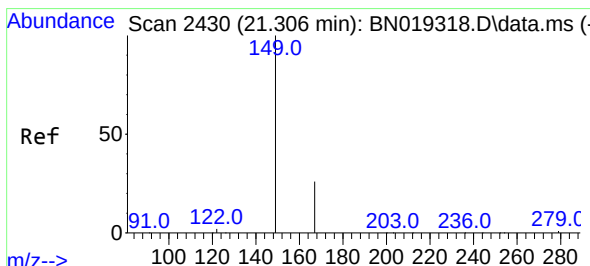
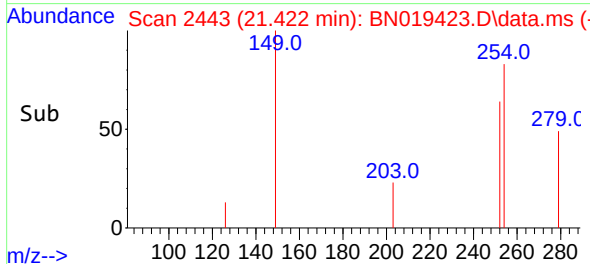
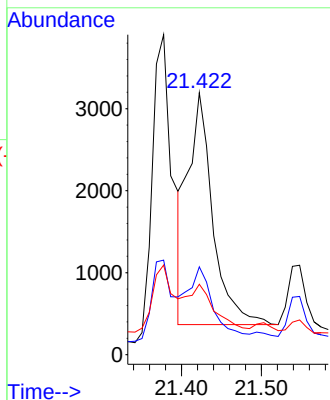
Tgt Ion: 228 Resp: 6150
Ion Ratio Lower Upper
228 100
226 33.6 24.0 36.0
229 26.9 15.9 23.9

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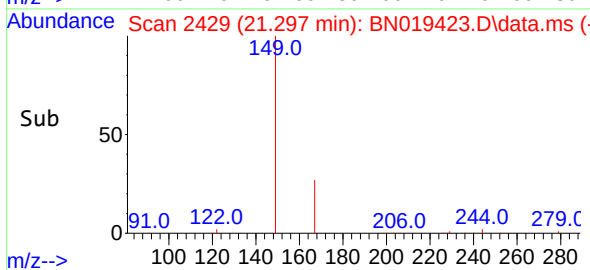
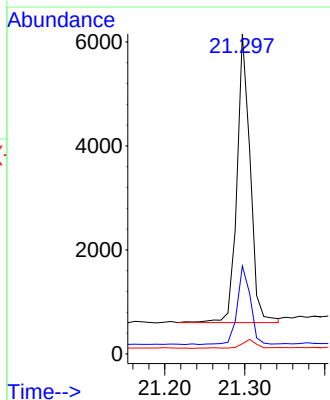
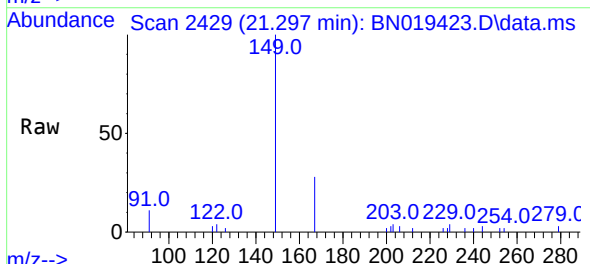
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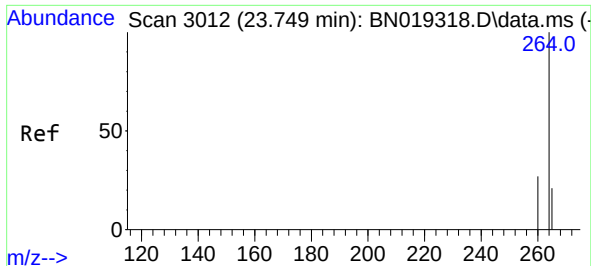
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#34
Bis(2-ethylhexyl)phthalate
Concen: 0.224 ng
RT: 21.297 min Scan# 2429
Delta R.T. -0.009 min
Lab File: BN019423.D
Acq: 11 Apr 2022 21:36

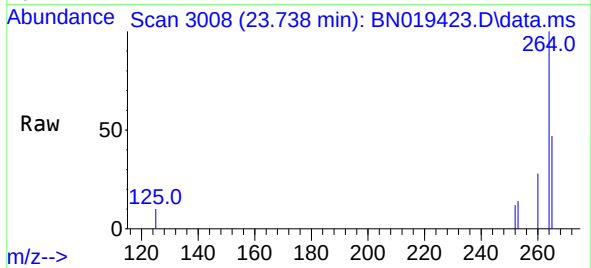
Tgt Ion: 149 Resp: 6364
Ion Ratio Lower Upper
149 100
167 27.0 21.8 32.8
279 3.0 2.0 3.0





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.738 min Scan# 3012
Delta R.T. -0.012 min
Lab File: BN019423.D
Acq: 11 Apr 2022 21:36

Instrument :
BNA_N
ClientSampleId :
DUP040722



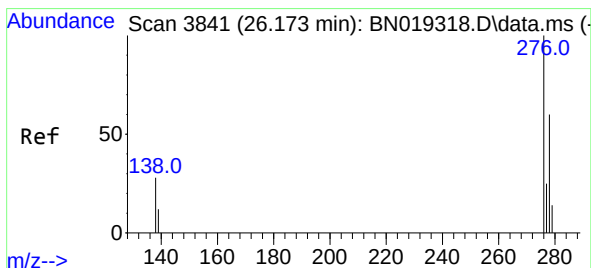
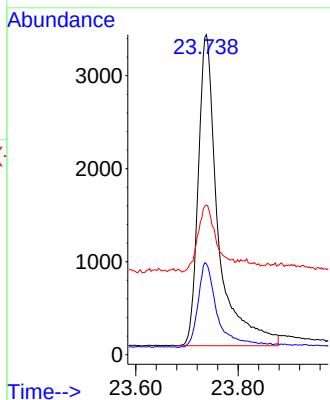
Tgt Ion:264 Resp: 902
Ion Ratio Lower Upper
264 100
260 28.4 22.4 33.6
265 46.7 25.3 37.9

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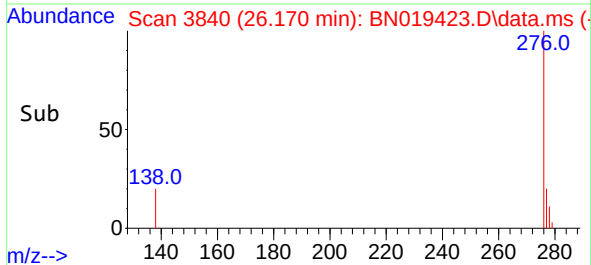
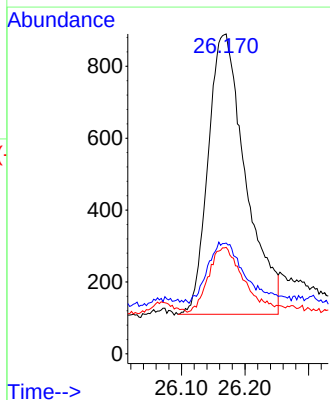
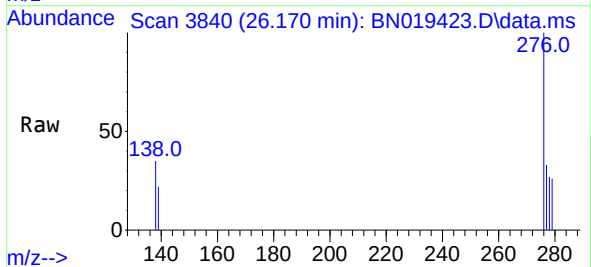
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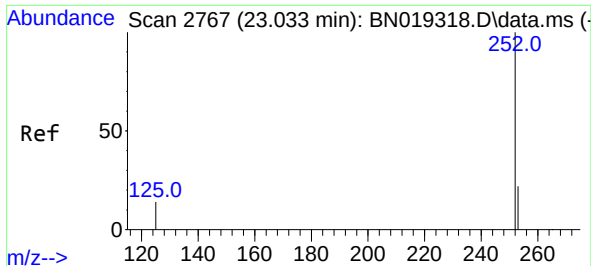
04/13/2022



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.084 ng
RT: 26.170 min Scan# 3840
Delta R.T. -0.003 min
Lab File: BN019423.D
Acq: 11 Apr 2022 21:36

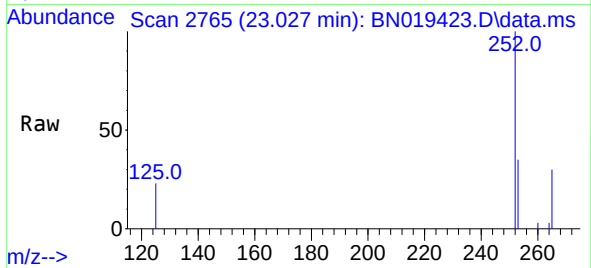
Tgt Ion:276 Resp: 3190
Ion Ratio Lower Upper
276 100
138 19.3 24.5 36.7#
277 20.3 19.8 29.8





#37
Benzo(b)fluoranthene
Concen: 0.200 ng
RT: 23.027 min Scan# 2177
Delta R.T. -0.006 min
Lab File: BN019423.D
Acq: 11 Apr 2022 21:36

Instrument :
BNA_N
ClientSampleId :
DUP040722



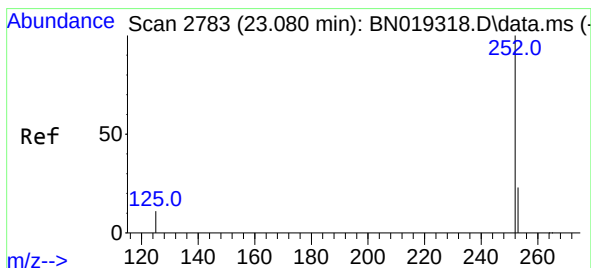
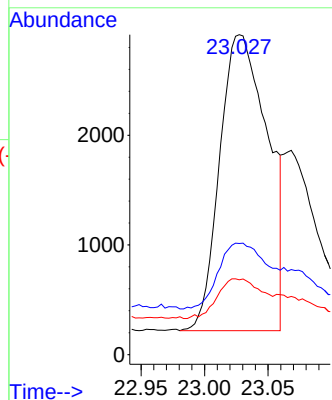
Tgt Ion:252 Resp: 7083
Ion Ratio Lower Upper
252 100
253 34.8 18.9 28.3#
125 23.4 12.1 18.1#

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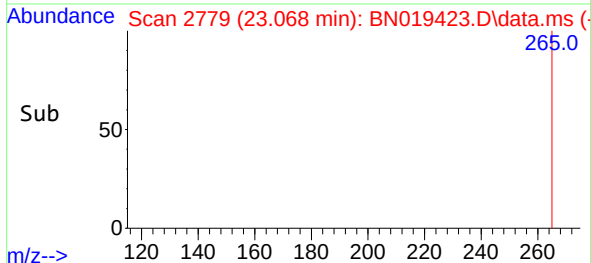
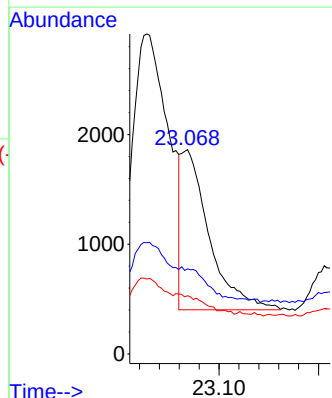
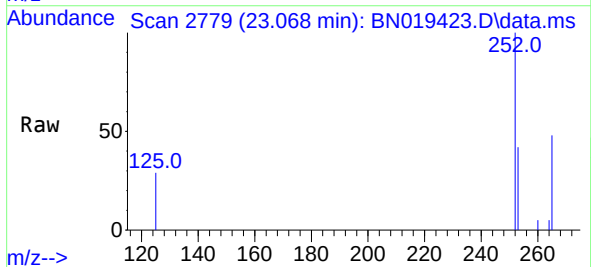
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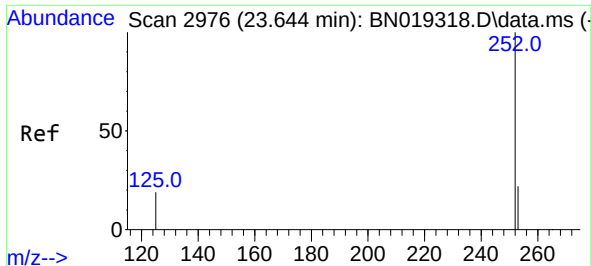
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#38
Benzo(k)fluoranthene
Concen: 0.077 ng m
RT: 23.068 min Scan# 2779
Delta R.T. -0.012 min
Lab File: BN019423.D
Acq: 11 Apr 2022 21:36

Tgt Ion:252 Resp: 2856
Ion Ratio Lower Upper
252 100
253 41.6 18.9 28.3#
125 28.5 10.3 15.5#





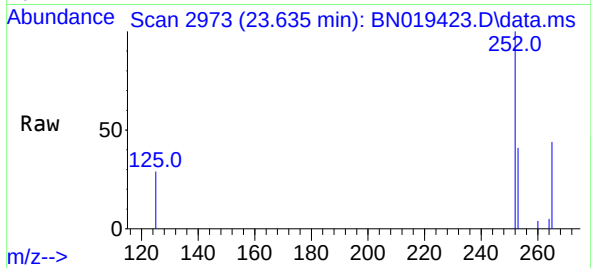
#39
Benzo(a)pyrene
Concen: 0.140 ng
RT: 23.635 min Scan# 2976
Delta R.T. -0.009 min
Lab File: BN019423.D
Acq: 11 Apr 2022 21:36

Instrument :

BN019423.D

ClientSampleId :

DUP040722



Tgt Ion:252 Resp: 4438
Ion Ratio Lower Upper
252 100
253 41.1 20.1 30.1
125 29.4 15.2 22.8

Manual Integrations

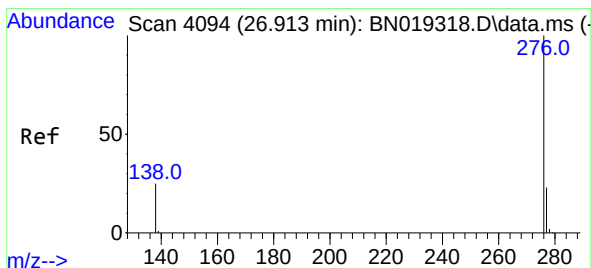
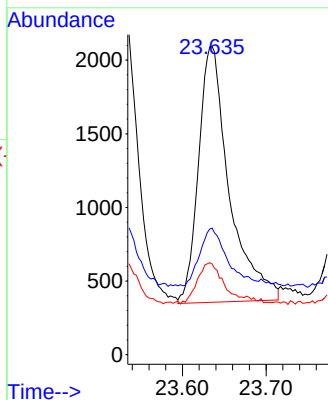
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Upadhyay

04/13/2022



#41
Benzo(g,h,i)perylene
Concen: 0.147 ng
RT: 26.904 min Scan# 4091
Delta R.T. -0.009 min
Lab File: BN019423.D
Acq: 11 Apr 2022 21:36

Tgt Ion:276 Resp: 5153
Ion Ratio Lower Upper
276 100
277 29.0 19.4 29.0
138 30.7 21.0 31.6

