

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040622\
 Data File : BN019372.D
 Acq On : 06 Apr 2022 17:38
 Operator : CG/JU
 Sample : N2220-01 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A10015

Quant Time: Apr 07 05:28:28 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

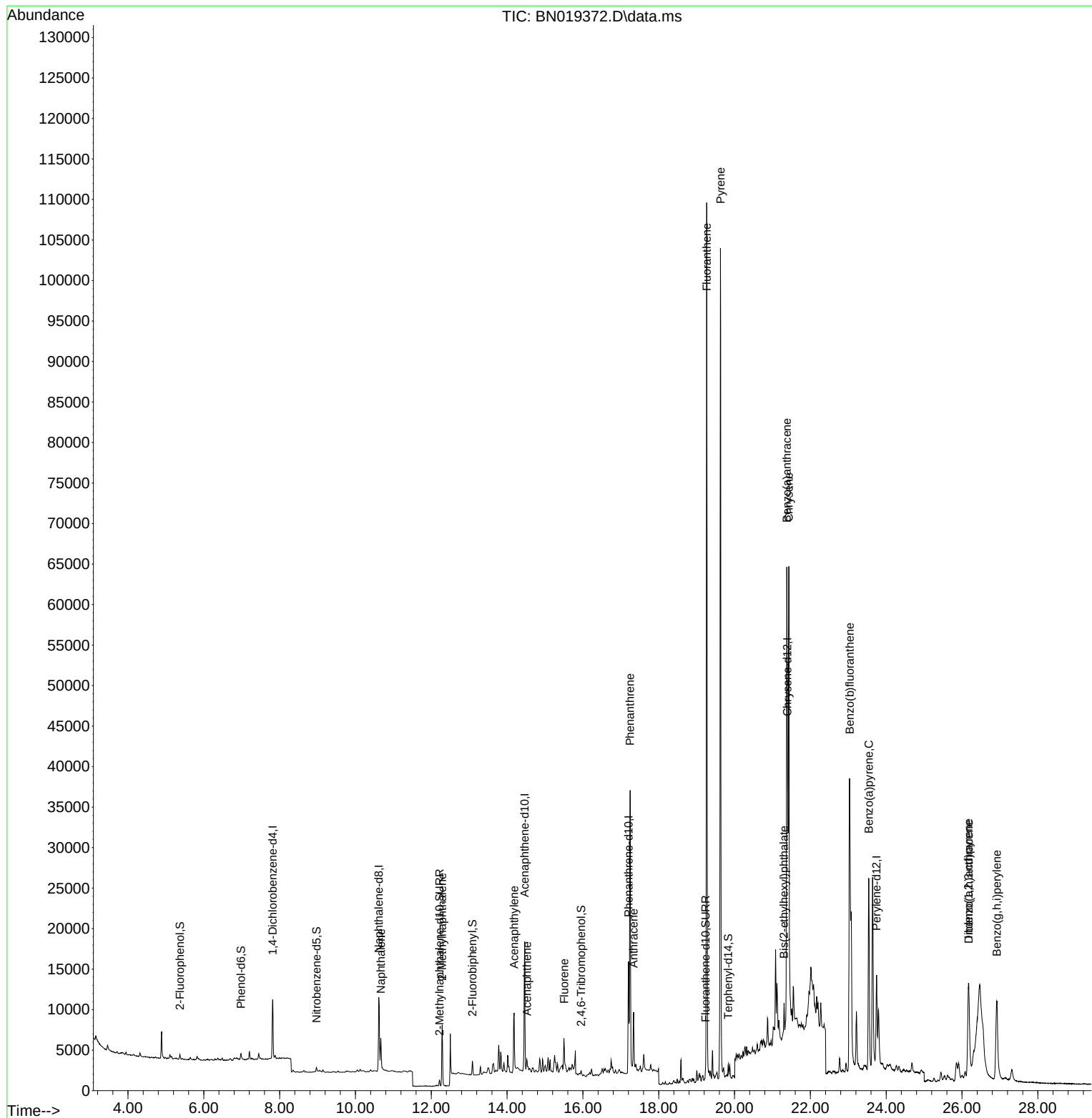
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.818	152	3587	0.400	ng	0.00
7) Naphthalene-d8	10.616	136	12481	0.400	ng	#-0.01
13) Acenaphthene-d10	14.463	164	8676	0.400	ng	0.00
19) Phenanthrene-d10	17.205	188	18835	0.400	ng	# 0.00
29) Chrysene-d12	21.395	240	18069	0.400	ng	0.00
35) Perylene-d12	23.746	264	17328	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.370	112	450	0.047	ng	-0.01
5) Phenol-d6	6.980	99	633	0.055	ng	0.00
8) Nitrobenzene-d5	8.971	82	523	0.046	ng	-0.01
11) 2-Methylnaphthalene-d10	12.216	152	1088	0.050	ng	0.00
14) 2,4,6-Tribromophenol	15.954	330	224	0.043	ng	0.00
15) 2-Fluorobiphenyl	13.084	172	1582	0.044	ng	-0.01
27) Fluoranthene-d10	19.236	212	1889	0.031	ng	0.00
31) Terphenyl-d14	19.834	244	1548	0.039	ng	0.00
Target Compounds						
9) Naphthalene	10.669	128	5109	0.139	ng	95
12) 2-Methylnaphthalene	12.287	142	5411	0.212	ng	96
16) Acenaphthylene	14.185	152	8164	0.190	ng	95
17) Acenaphthene	14.527	154	702	0.025	ng	# 79
18) Fluorene	15.511	166	1381	0.037	ng	# 81
25) Phenanthrene	17.246	178	36929	0.584	ng	100
26) Anthracene	17.338	178	9067	0.163	ng	98
28) Fluoranthene	19.265	202	94239	1.257	ng	99
30) Pyrene	19.628	202	91586	1.089	ng	97
32) Benzo(a)anthracene	21.377	228	45857	0.687	ng	96
33) Chrysene	21.431	228	56659	0.764	ng	97
34) Bis(2-ethylhexyl)phtha...	21.306	149	3592	0.072	ng	# 97
36) Indeno(1,2,3-cd)pyrene	26.170	276	22849	0.315	ng	# 90
37) Benzo(b)fluoranthene	23.036	252	65224	0.961	ng	99
39) Benzo(a)pyrene	23.539	252	33810	0.554	ng	99
40) Dibenzo(a,h)anthracene	26.179	278	5402	0.096	ng	# 73
41) Benzo(g,h,i)perylene	26.919	276	24066	0.358	ng	99

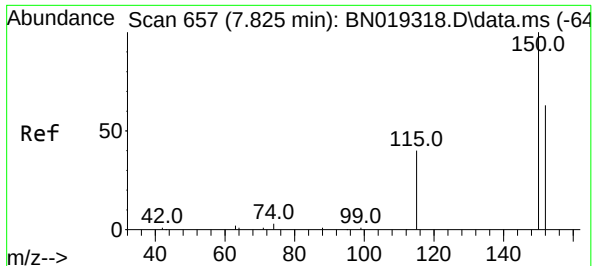
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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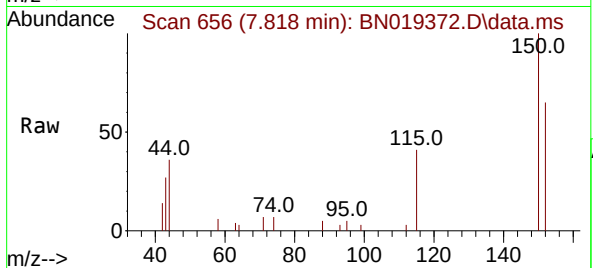
Quant Time: Apr 07 05:28:28 2022
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 04 17:40:00 2022
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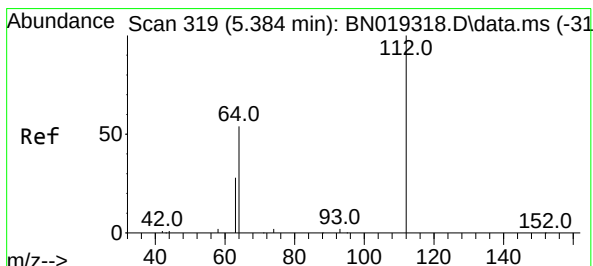
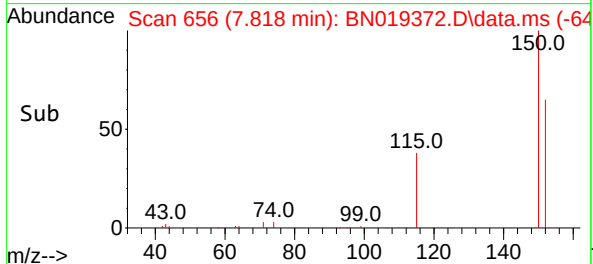
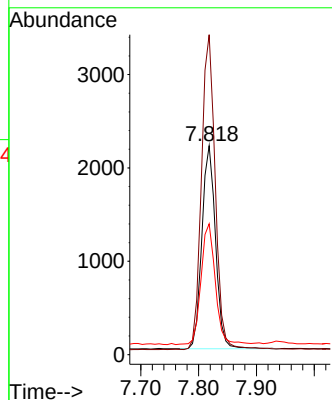


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.818 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN019372.D
Acq: 06 Apr 2022 17:38

Instrument :
BNA_N
ClientSampleId :
A10015

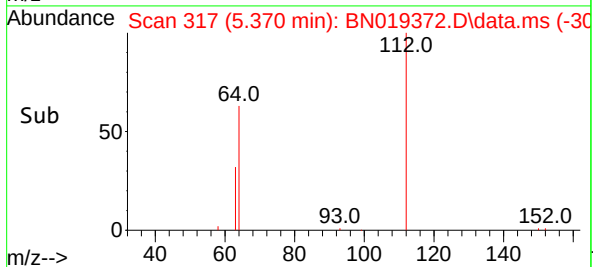
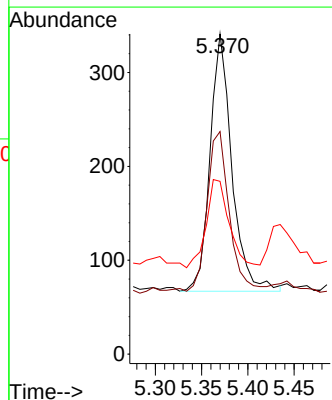
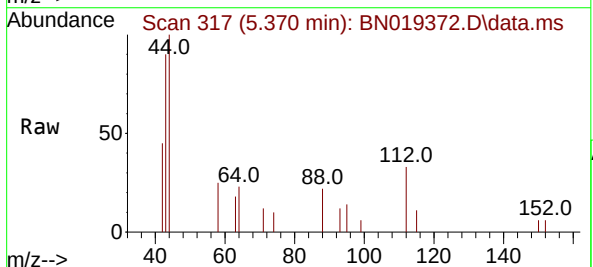


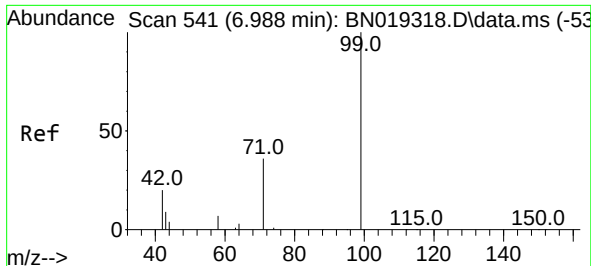
Tgt Ion:152 Resp: 3587
Ion Ratio Lower Upper
152 100
150 153.1 123.9 185.9
115 62.6 48.2 72.4



#4
2-Fluorophenol
Concen: 0.047 ng
RT: 5.370 min Scan# 317
Delta R.T. -0.014 min
Lab File: BN019372.D
Acq: 06 Apr 2022 17:38

Tgt Ion:112 Resp: 450
Ion Ratio Lower Upper
112 100
64 62.2 47.8 71.8
63 36.2 25.7 38.5

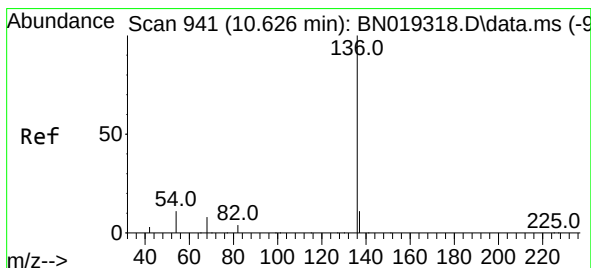
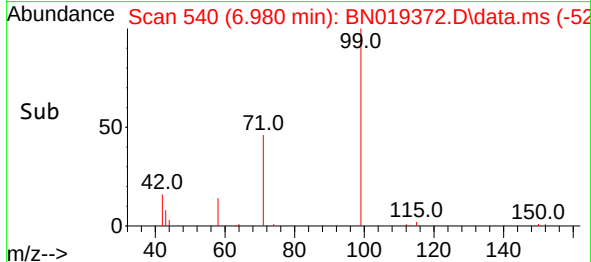
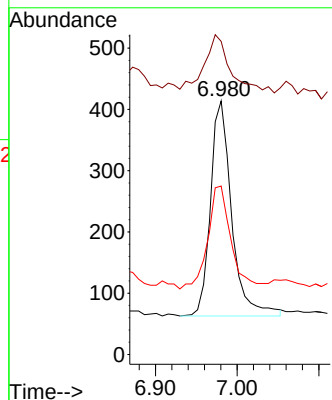
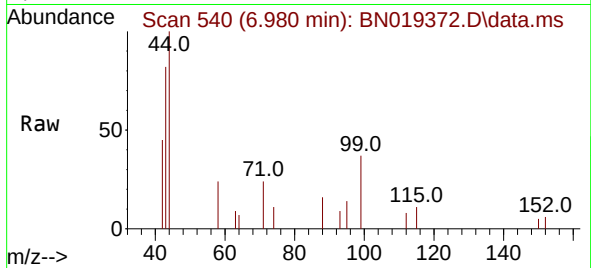




#5
Phenol-d6
Concen: 0.055 ng
RT: 6.980 min Scan# 54
Delta R.T. -0.007 min
Lab File: BN019372.D
Acq: 06 Apr 2022 17:38

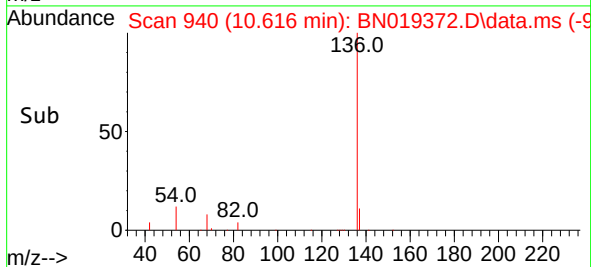
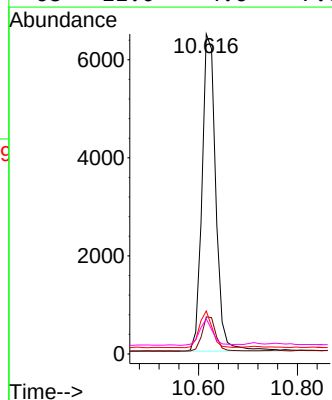
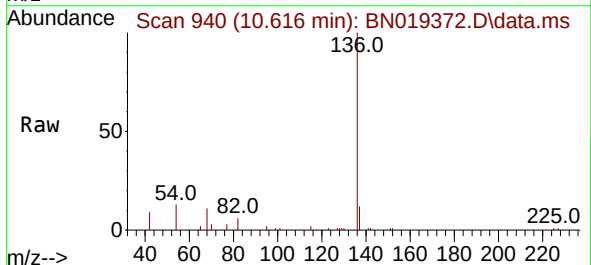
Instrument :
BNA_N
ClientSampleId :
A10015

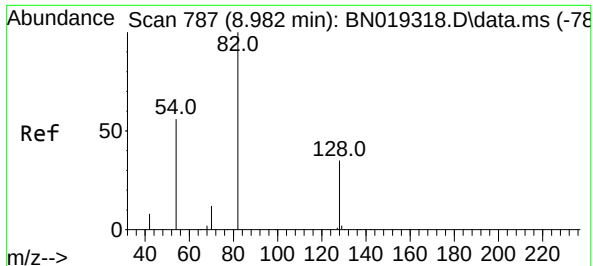
Tgt Ion: 99 Resp: 633
Ion Ratio Lower Upper
99 100
42 33.8 16.2 24.4#
71 52.3 27.7 41.5#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.616 min Scan# 940
Delta R.T. -0.011 min
Lab File: BN019372.D
Acq: 06 Apr 2022 17:38

Tgt Ion: 136 Resp: 12481
Ion Ratio Lower Upper
136 100
137 11.6 9.0 13.4
54 13.5 5.8 8.6#
68 11.0 4.6 7.0#

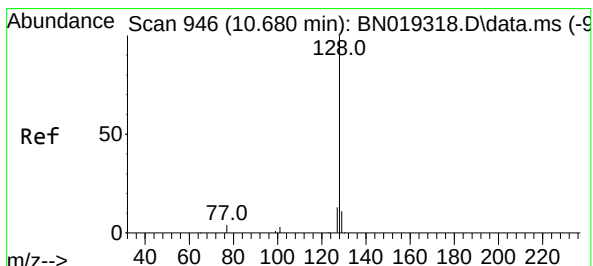
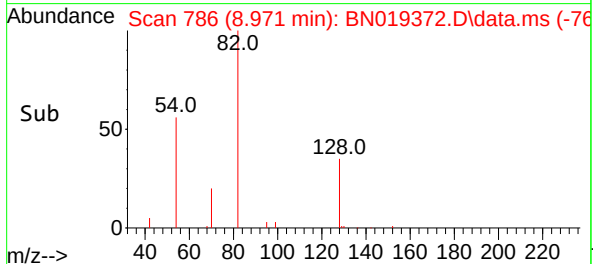
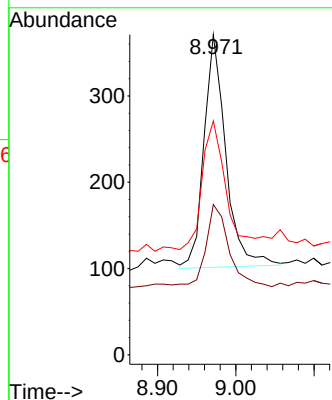
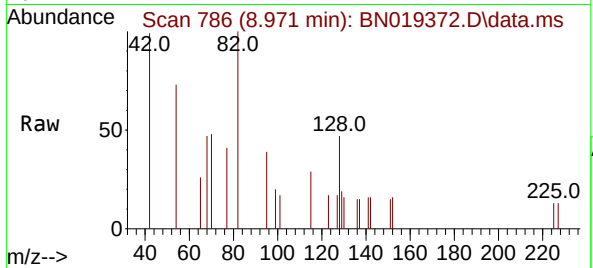




#8
Nitrobenzene-d5
Concen: 0.046 ng
RT: 8.971 min Scan# 786
Delta R.T. -0.011 min
Lab File: BN019372.D
Acq: 06 Apr 2022 17:38

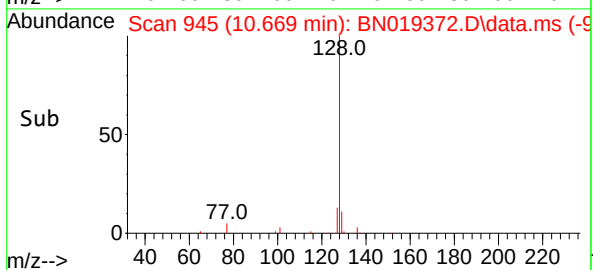
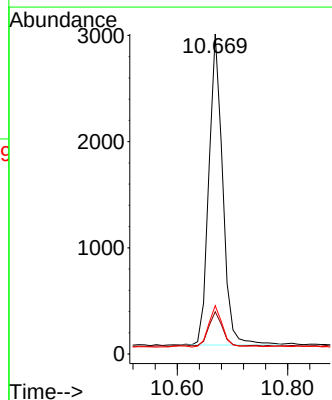
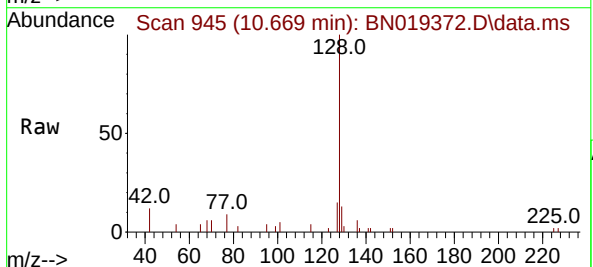
Instrument :
BNA_N
ClientSampleId :
A10015

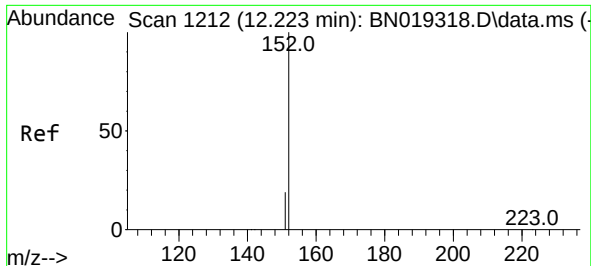
Tgt Ion: 82 Resp: 523
Ion Ratio Lower Upper
82 100
128 46.9 33.0 49.6
54 73.0 42.5 63.7#



#9
Naphthalene
Concen: 0.139 ng
RT: 10.669 min Scan# 945
Delta R.T. -0.011 min
Lab File: BN019372.D
Acq: 06 Apr 2022 17:38

Tgt Ion:128 Resp: 5109
Ion Ratio Lower Upper
128 100
129 13.2 9.0 13.4
127 15.1 10.7 16.1





#11

2-Methylnaphthalene-d10

Concen: 0.050 ng

RT: 12.216 min Scan# 11

Delta R.T. -0.008 min

Lab File: BN019372.D

Acq: 06 Apr 2022 17:38

Instrument :

BNA_N

ClientSampleId :

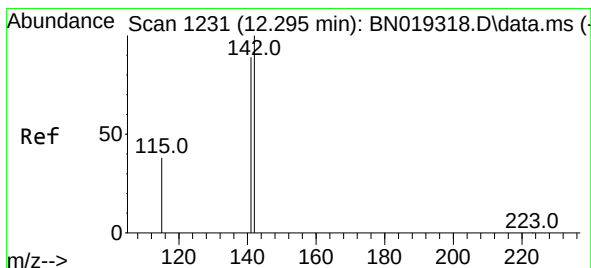
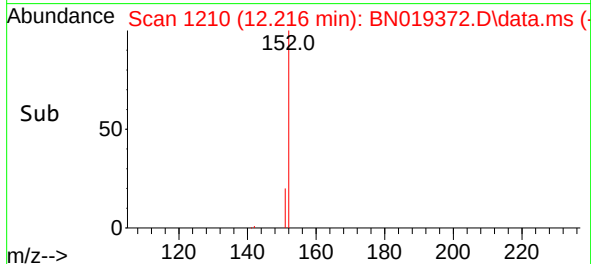
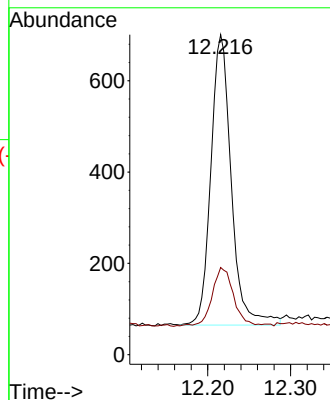
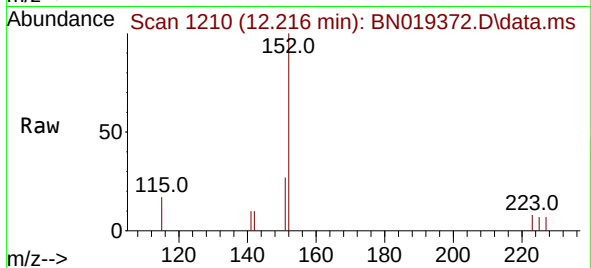
A10015

Tgt Ion:152 Resp: 1088

Ion Ratio Lower Upper

152 100

151 21.5 16.5 24.7



#12

2-Methylnaphthalene

Concen: 0.212 ng

RT: 12.287 min Scan# 1229

Delta R.T. -0.008 min

Lab File: BN019372.D

Acq: 06 Apr 2022 17:38

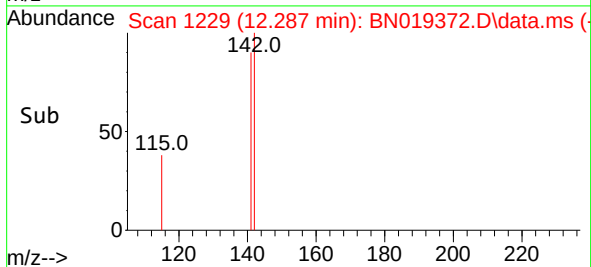
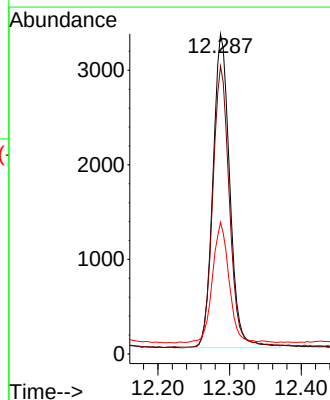
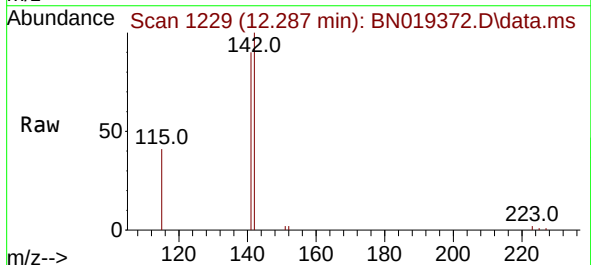
Tgt Ion:142 Resp: 5411

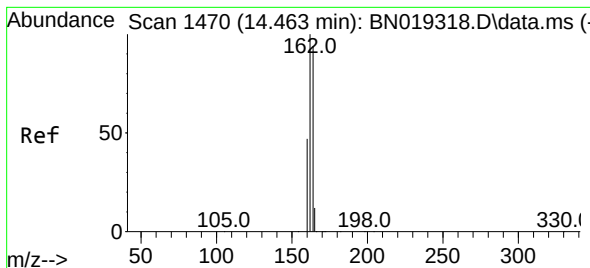
Ion Ratio Lower Upper

142 100

141 89.9 70.0 105.0

115 41.1 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: BN019372.D

Acq: 06 Apr 2022 17:38

Instrument :

BNA_N

ClientSampleId :

A10015

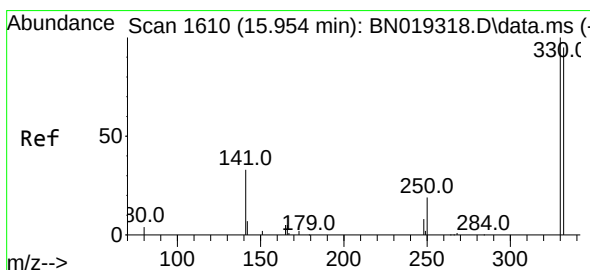
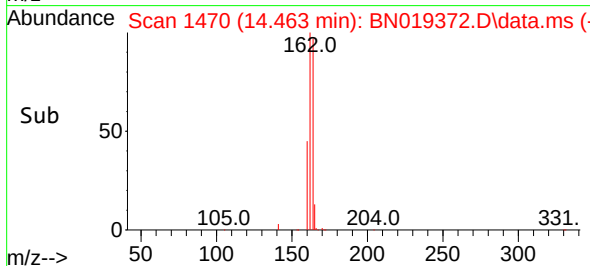
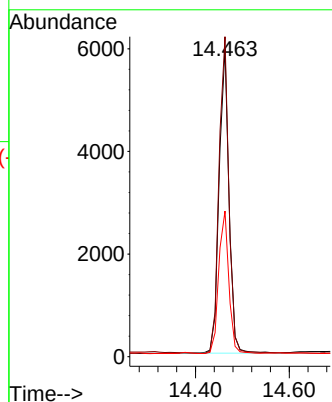
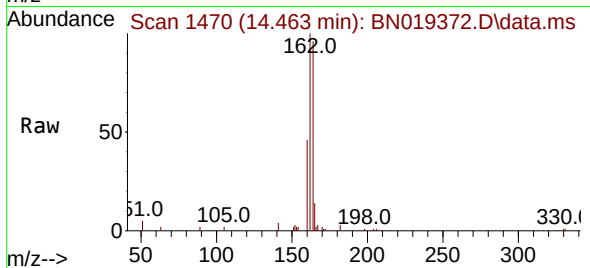
Tgt Ion:164 Resp: 8676

Ion Ratio Lower Upper

164 100

162 103.8 85.2 127.8

160 47.3 41.5 62.3



#14

2,4,6-Tribromophenol

Concen: 0.043 ng

RT: 15.954 min Scan# 1610

Delta R.T. 0.000 min

Lab File: BN019372.D

Acq: 06 Apr 2022 17:38

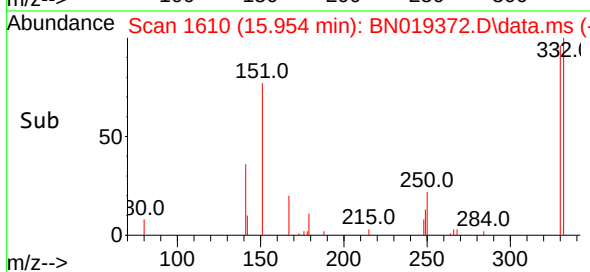
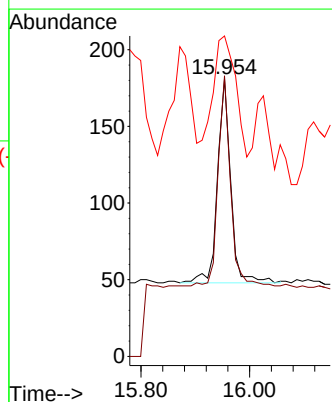
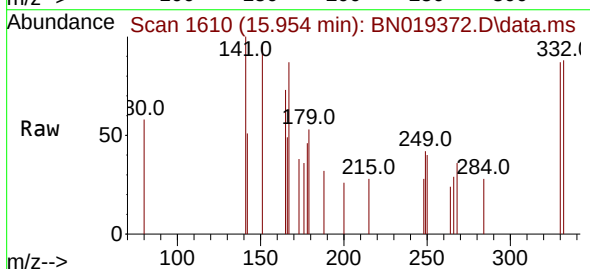
Tgt Ion:330 Resp: 224

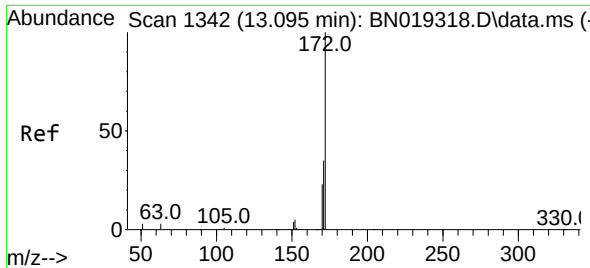
Ion Ratio Lower Upper

330 100

332 95.5 76.8 115.2

141 99.1 32.2 48.2#

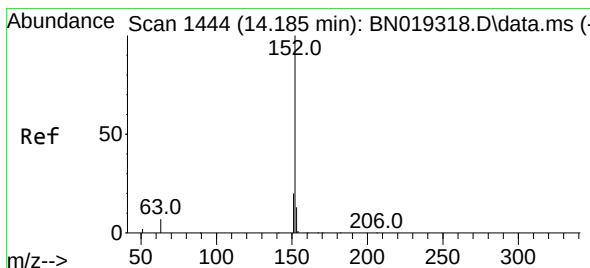
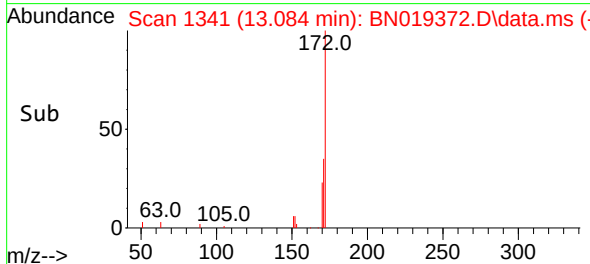
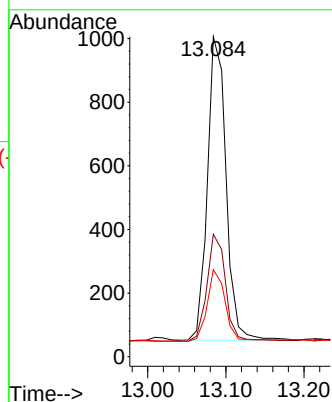
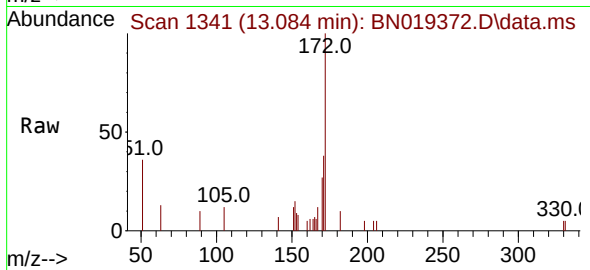




#15
2-Fluorobiphenyl
Concen: 0.044 ng
RT: 13.084 min Scan# 1341
Delta R.T. -0.011 min
Lab File: BN019372.D
Acq: 06 Apr 2022 17:38

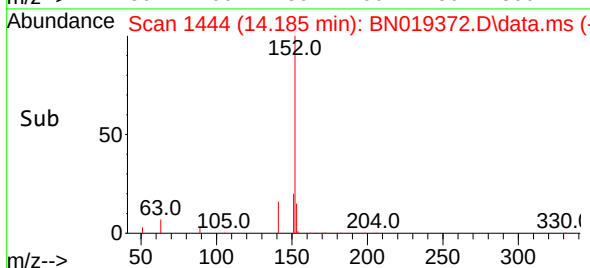
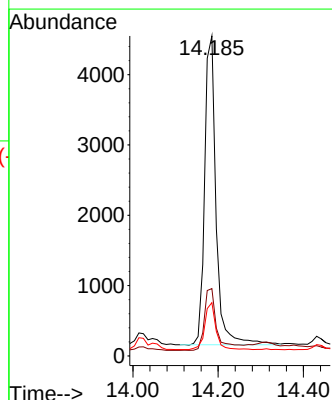
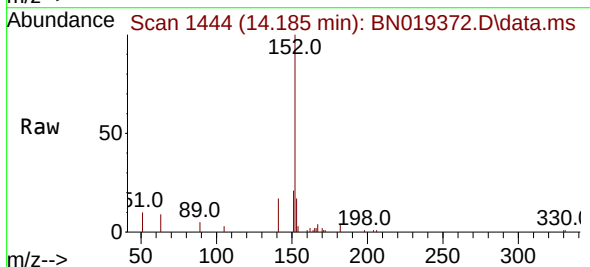
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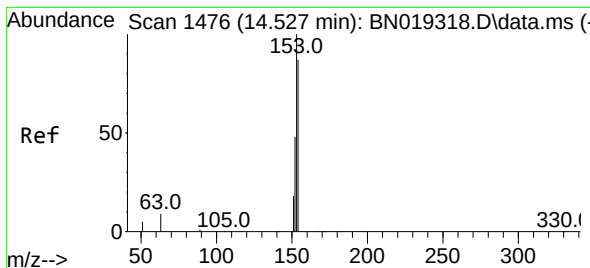
Tgt Ion:	172	Resp:	1582
Ion Ratio	Lower	Upper	
172	100		
171	38.3	28.2	42.2
170	27.2	18.7	28.1



#16
Acenaphthylene
Concen: 0.190 ng
RT: 14.185 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BN019372.D
Acq: 06 Apr 2022 17:38

Tgt Ion:	152	Resp:	8164
Ion Ratio	Lower	Upper	
152	100		
151	22.4	15.9	23.9
153	14.8	10.6	15.8





#17

Acenaphthene

Concen: 0.025 ng

RT: 14.527 min Scan# 1476

Delta R.T. 0.000 min

Lab File: BN019372.D

Acq: 06 Apr 2022 17:38

Instrument :

BNA_N

ClientSampleId :

A10015

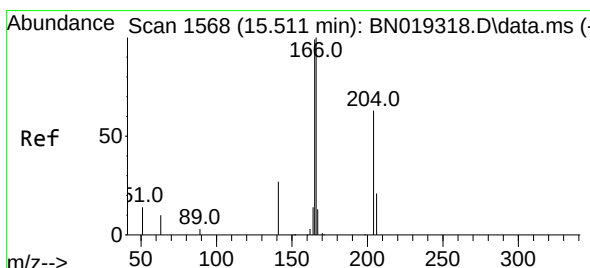
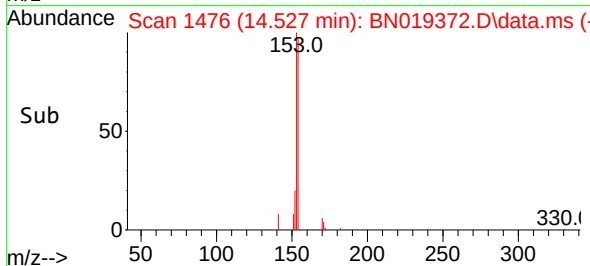
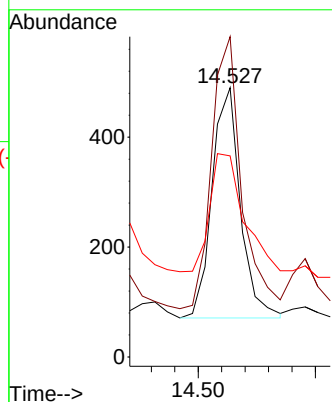
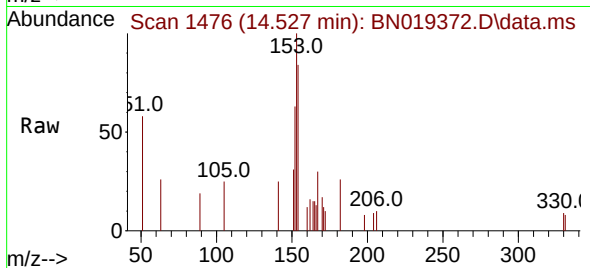
Tgt Ion:154 Resp: 702

Ion Ratio Lower Upper

154 100

153 123.9 89.7 134.5

152 84.9 44.7 67.1#



#18

Fluorene

Concen: 0.037 ng

RT: 15.511 min Scan# 1568

Delta R.T. 0.000 min

Lab File: BN019372.D

Acq: 06 Apr 2022 17:38

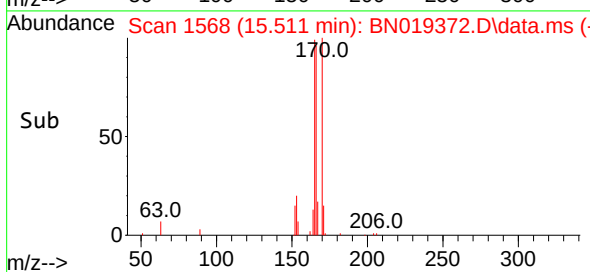
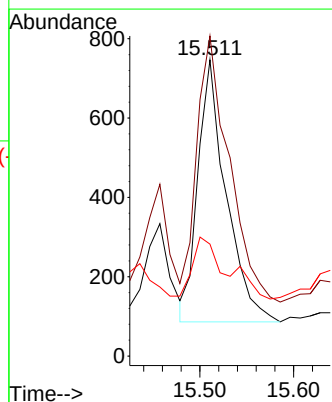
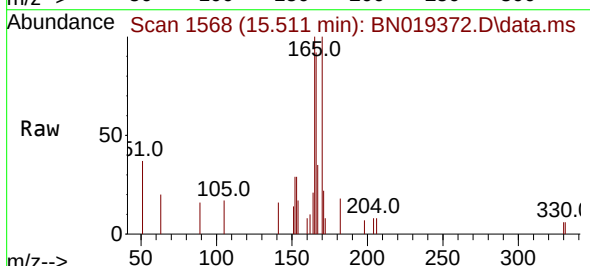
Tgt Ion:166 Resp: 1381

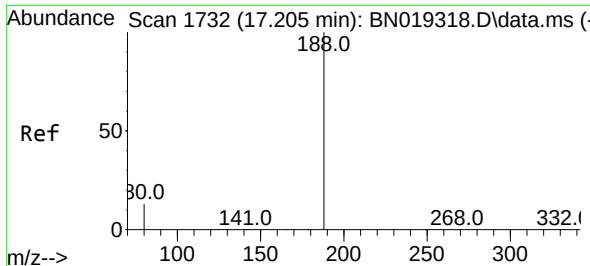
Ion Ratio Lower Upper

166 100

165 115.8 79.2 118.8

167 28.5 10.7 16.1#

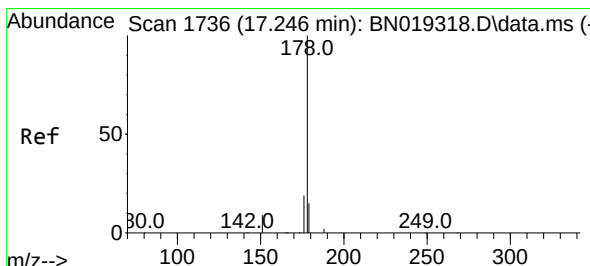
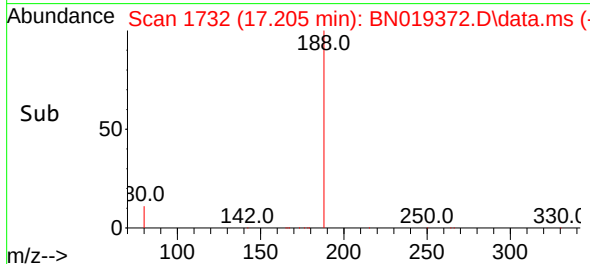
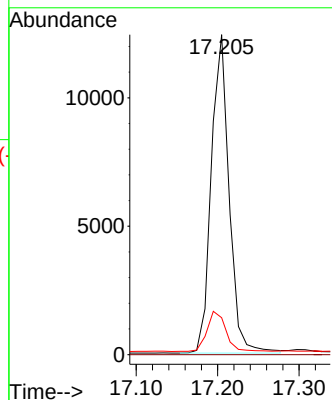
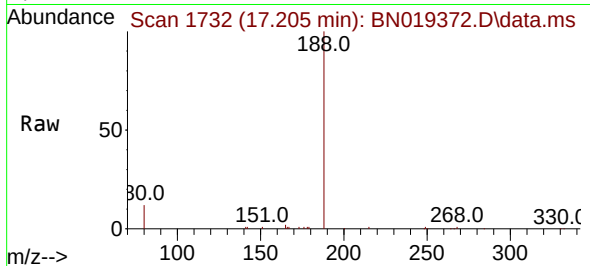




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.205 min Scan# 1732
Delta R.T. 0.000 min
Lab File: BN019372.D
Acq: 06 Apr 2022 17:38

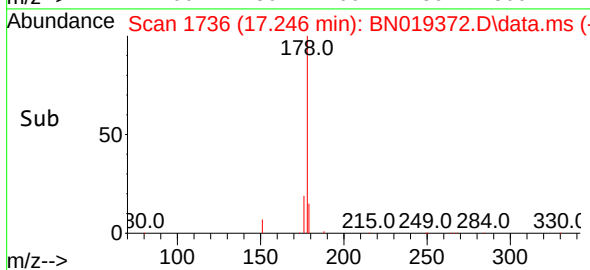
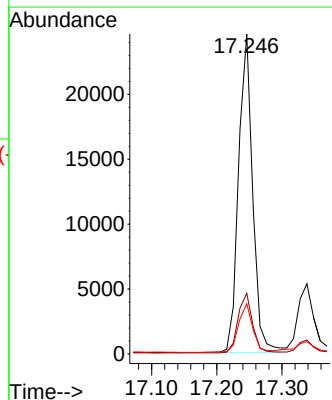
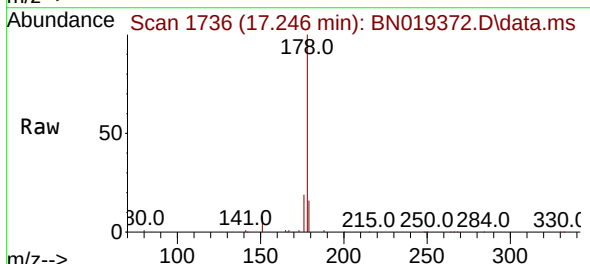
Instrument :
BNA_N
ClientSampleId :
A10015

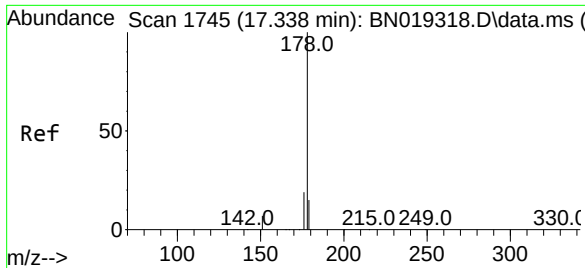
Tgt Ion:188 Resp: 18835
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.6 11.8 17.8#



#25
Phenanthrene
Concen: 0.584 ng
RT: 17.246 min Scan# 1736
Delta R.T. 0.000 min
Lab File: BN019372.D
Acq: 06 Apr 2022 17:38

Tgt Ion:178 Resp: 36929
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 15.4 12.2 18.2

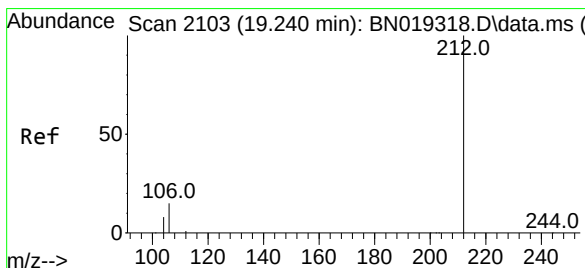
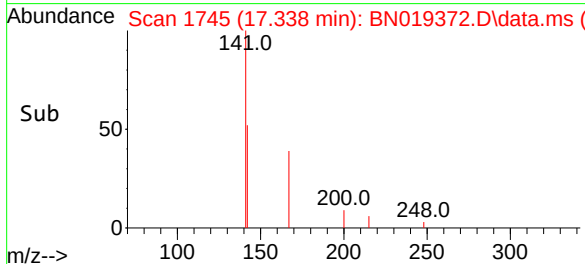
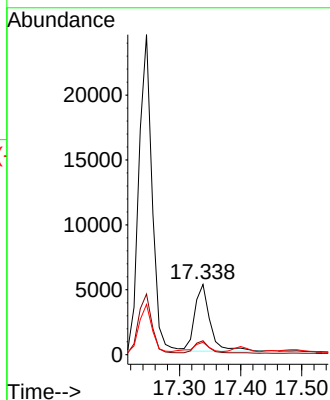
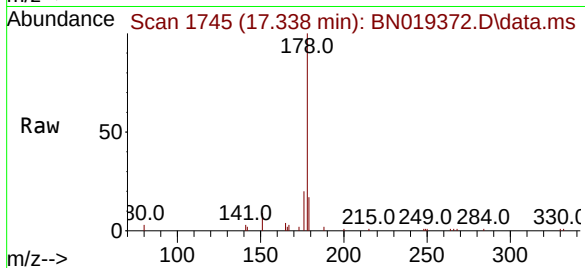




#26
 Anthracene
 Concen: 0.163 ng
 RT: 17.338 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN019372.D
 Acq: 06 Apr 2022 17:38

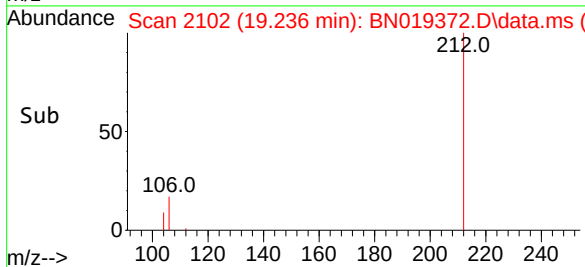
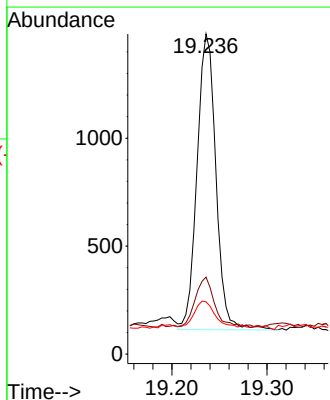
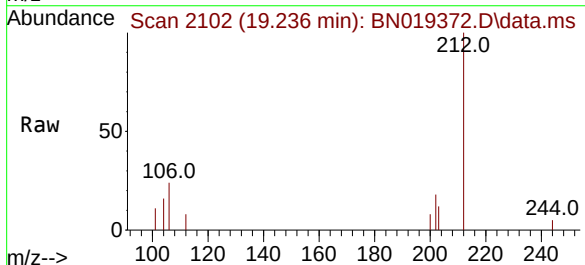
Instrument :
 BNA_N
 ClientSampleId :
 A10015

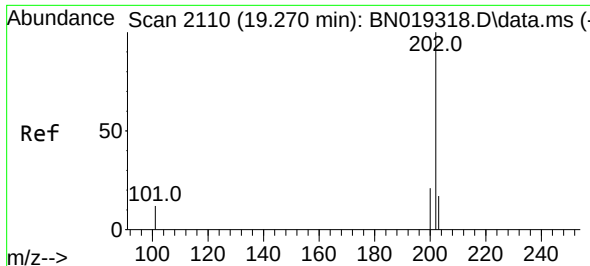
Tgt Ion:178 Resp: 9067
 Ion Ratio Lower Upper
 178 100
 176 18.6 14.8 22.2
 179 13.8 12.2 18.4



#27
 Fluoranthene-d10
 Concen: 0.031 ng
 RT: 19.236 min Scan# 2102
 Delta R.T. -0.004 min
 Lab File: BN019372.D
 Acq: 06 Apr 2022 17:38

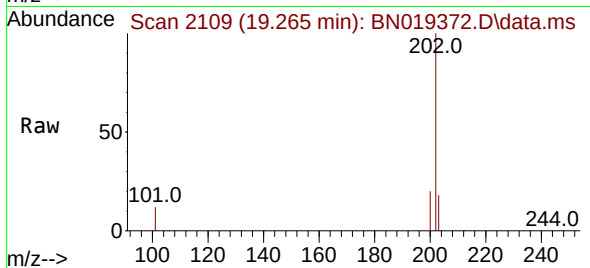
Tgt Ion:212 Resp: 1889
 Ion Ratio Lower Upper
 212 100
 106 17.4 12.7 19.1
 104 10.1 7.1 10.7



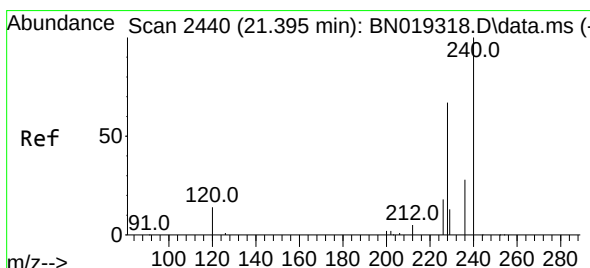
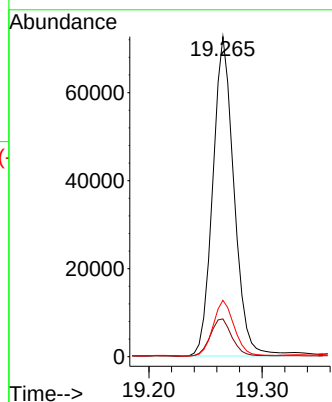
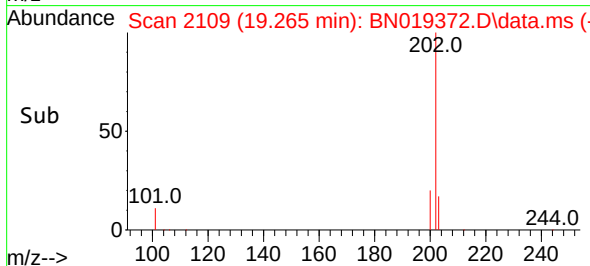


#28
Fluoranthene
Concen: 1.257 ng
RT: 19.265 min Scan# 2110
Delta R.T. -0.004 min
Lab File: BN019372.D
Acq: 06 Apr 2022 17:38

Instrument :
BNA_N
ClientSampleId :
A10015

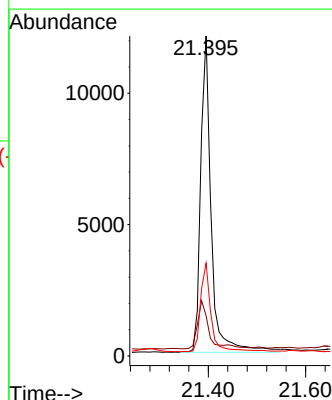
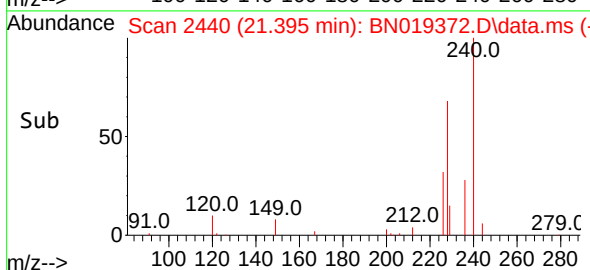
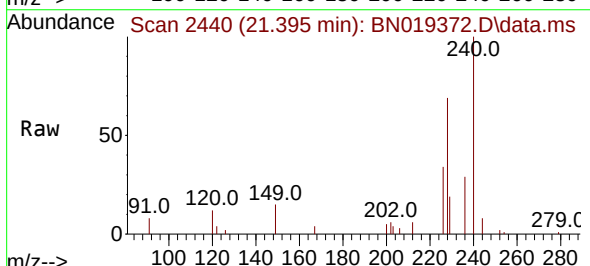


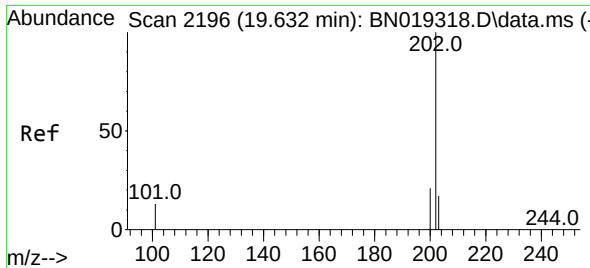
Tgt Ion:202 Resp: 94239
Ion Ratio Lower Upper
202 100
101 12.1 9.8 14.6
203 17.4 13.7 20.5



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.395 min Scan# 2440
Delta R.T. 0.000 min
Lab File: BN019372.D
Acq: 06 Apr 2022 17:38

Tgt Ion:240 Resp: 18069
Ion Ratio Lower Upper
240 100
120 12.5 8.5 12.7
236 29.0 22.4 33.6

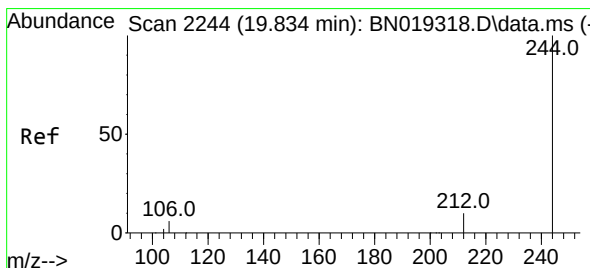
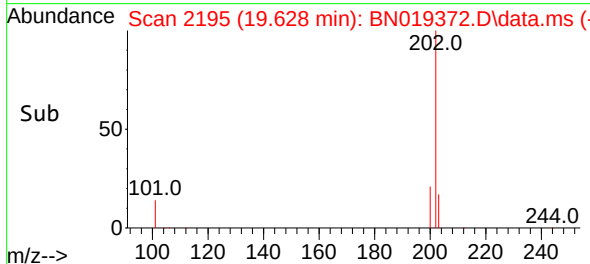
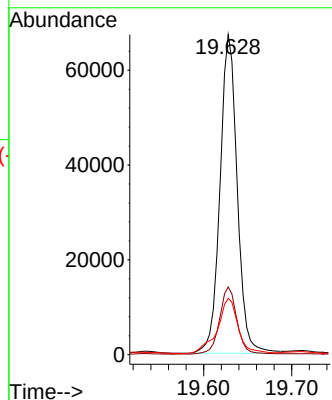
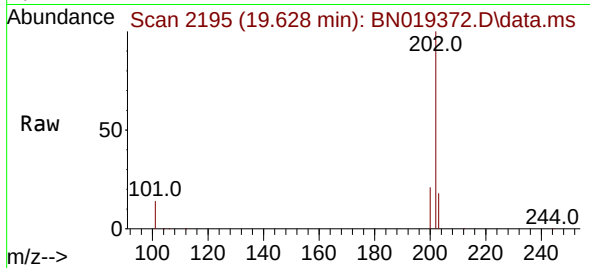




#30
Pyrene
Concen: 1.089 ng
RT: 19.628 min Scan# 2196
Delta R.T. -0.004 min
Lab File: BN019372.D
Acq: 06 Apr 2022 17:38

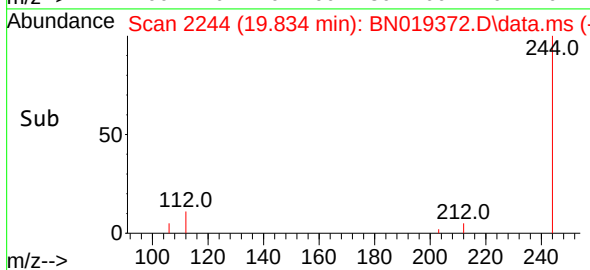
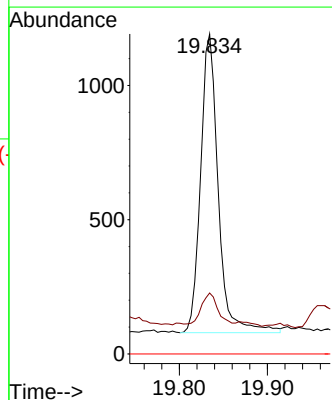
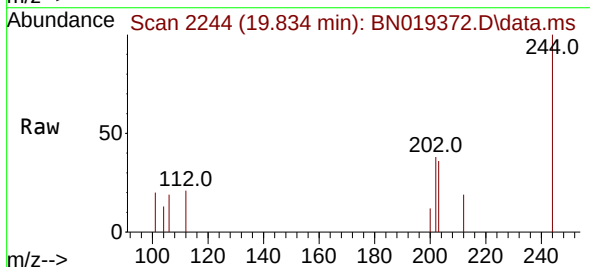
Instrument :
BNA_N
ClientSampleId :
A10015

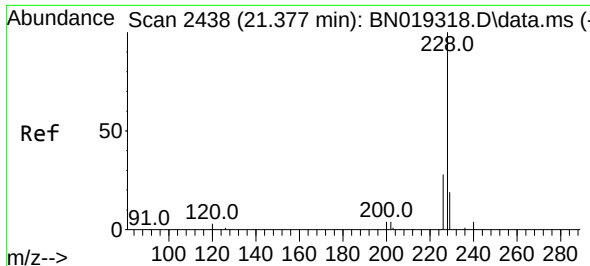
Tgt Ion:202 Resp: 91586
Ion Ratio Lower Upper
202 100
200 21.1 16.9 25.3
203 20.8 14.2 21.2



#31
Terphenyl-d14
Concen: 0.039 ng
RT: 19.834 min Scan# 2244
Delta R.T. 0.000 min
Lab File: BN019372.D
Acq: 06 Apr 2022 17:38

Tgt Ion:244 Resp: 1548
Ion Ratio Lower Upper
244 100
212 19.0 8.2 12.4#
122 0.0 0.0 0.0

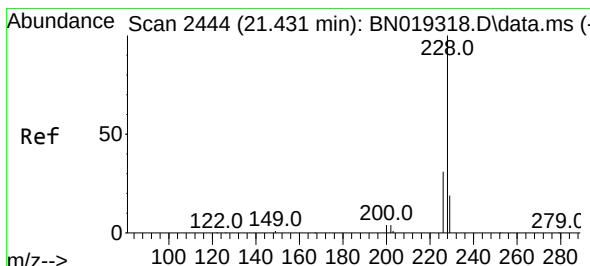
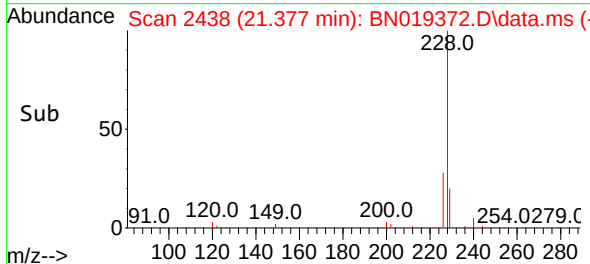
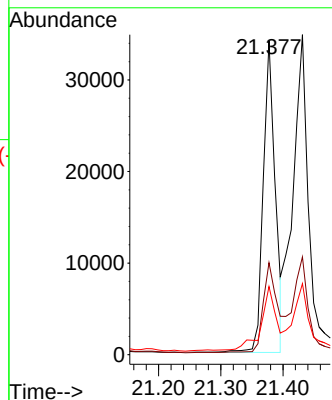
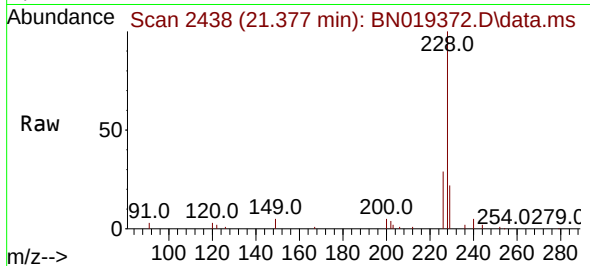




#32
Benzo(a)anthracene
Concen: 0.687 ng
RT: 21.377 min Scan# 2438
Delta R.T. 0.000 min
Lab File: BN019372.D
Acq: 06 Apr 2022 17:38

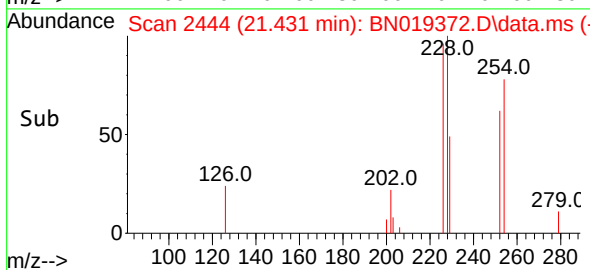
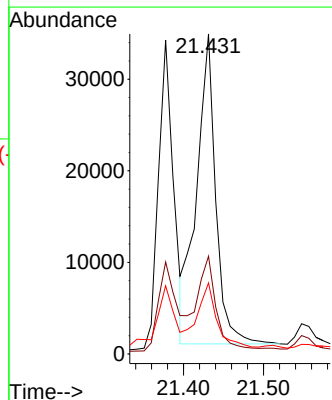
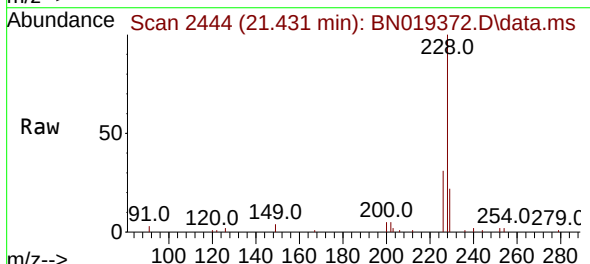
Instrument :
BNA_N
ClientSampleId :
A10015

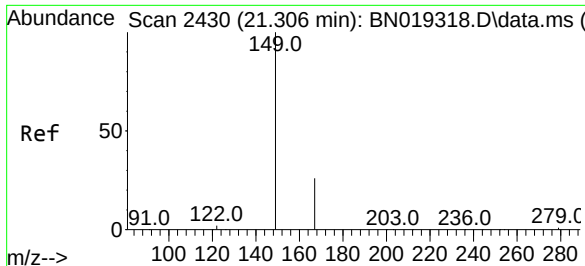
Tgt Ion:	228	Resp:	45857
Ion Ratio	Lower	Upper	
228	100		
226	29.3	21.9	32.9
229	21.7	16.0	24.0



#33
Chrysene
Concen: 0.764 ng
RT: 21.431 min Scan# 2444
Delta R.T. 0.000 min
Lab File: BN019372.D
Acq: 06 Apr 2022 17:38

Tgt Ion:	228	Resp:	56659
Ion Ratio	Lower	Upper	
228	100		
226	30.5	24.0	36.0
229	22.2	15.9	23.9

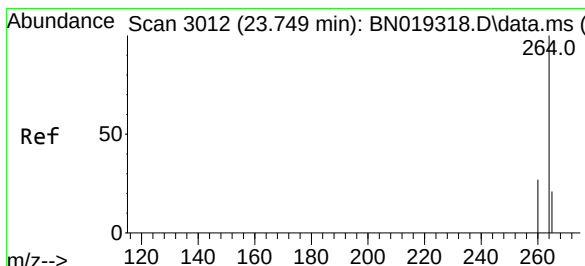
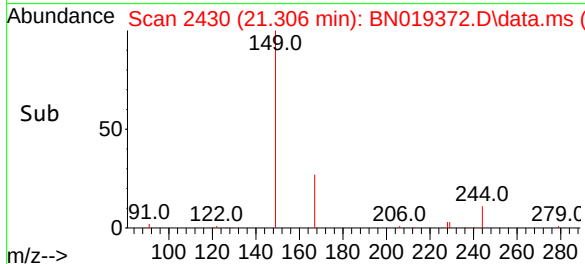
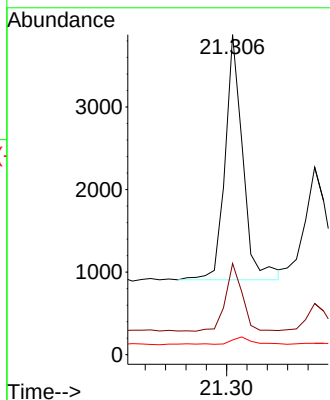
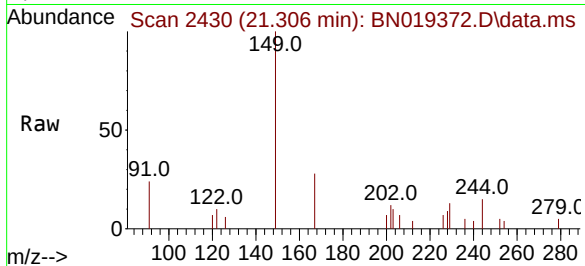




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.072 ng
RT: 21.306 min Scan# 2430
Delta R.T. 0.000 min
Lab File: BN019372.D
Acq: 06 Apr 2022 17:38

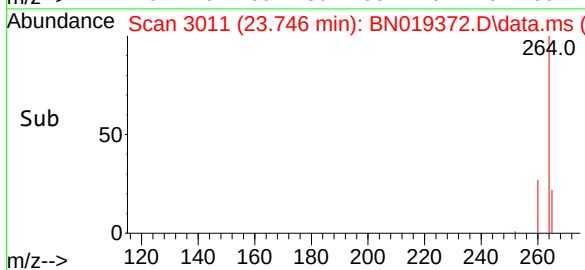
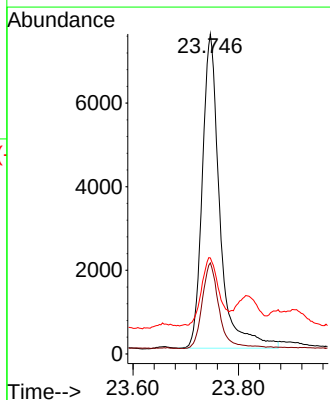
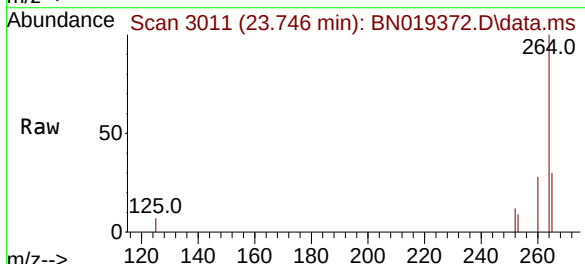
Instrument :
BNA_N
ClientSampleId :
A10015

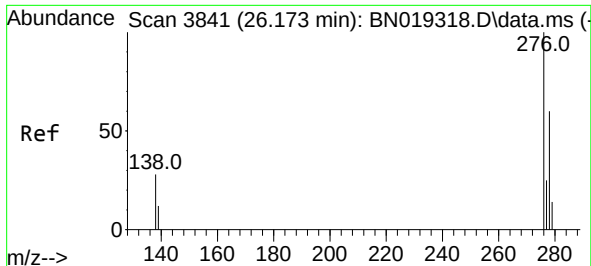
Tgt Ion:149 Resp: 3592
Ion Ratio Lower Upper
149 100
167 25.5 21.8 32.8
279 3.4 2.0 3.0#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.746 min Scan# 3011
Delta R.T. -0.003 min
Lab File: BN019372.D
Acq: 06 Apr 2022 17:38

Tgt Ion:264 Resp: 17328
Ion Ratio Lower Upper
264 100
260 28.4 22.4 33.6
265 30.0 25.3 37.9

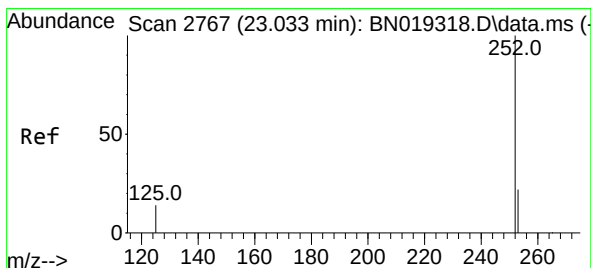
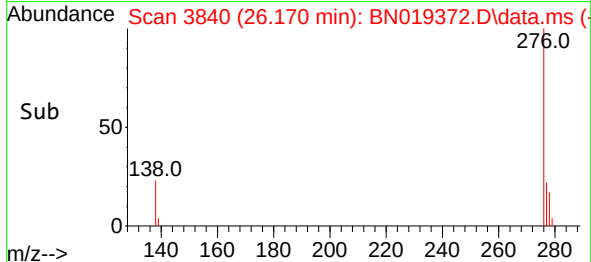
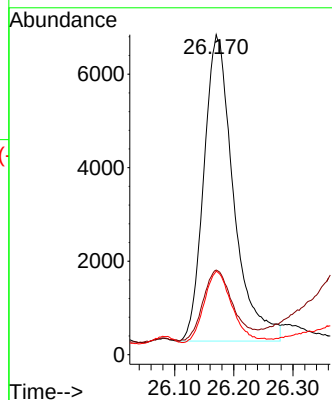
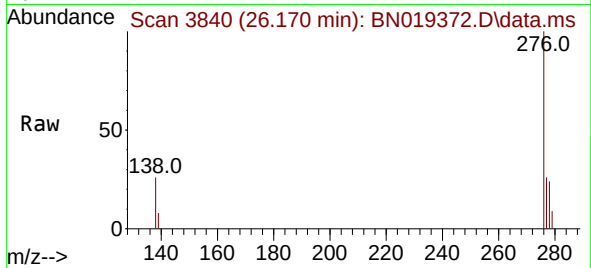




#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.315 ng
 RT: 26.170 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: BN019372.D
 Acq: 06 Apr 2022 17:38

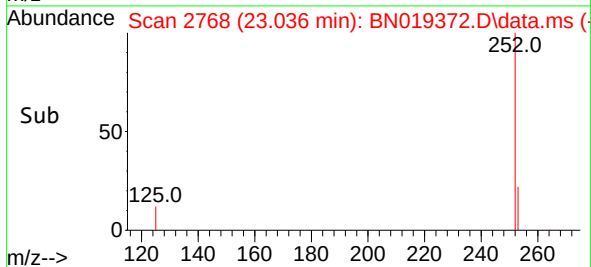
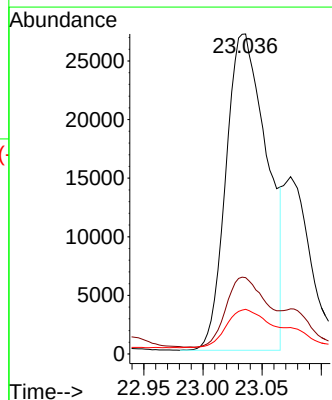
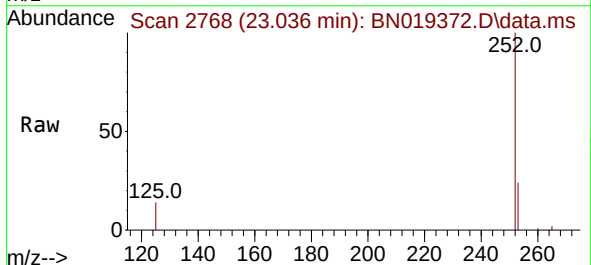
Instrument :
 BNA_N
 ClientSampleId :
 A10015

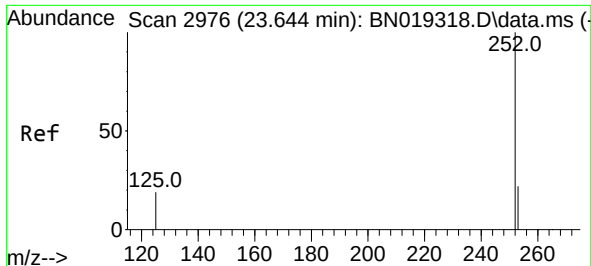
Tgt Ion:276 Resp: 22849
 Ion Ratio Lower Upper
 276 100
 138 23.5 24.5 36.7#
 277 21.6 19.8 29.8



#37
 Benzo(b)fluoranthene
 Concen: 0.961 ng
 RT: 23.036 min Scan# 2768
 Delta R.T. 0.003 min
 Lab File: BN019372.D
 Acq: 06 Apr 2022 17:38

Tgt Ion:252 Resp: 65224
 Ion Ratio Lower Upper
 252 100
 253 23.8 18.9 28.3
 125 14.0 12.1 18.1





#39

Benzo(a)pyrene

Concen: 0.554 ng

RT: 23.539 min Scan# 2940

Delta R.T. -0.105 min

Lab File: BN019372.D

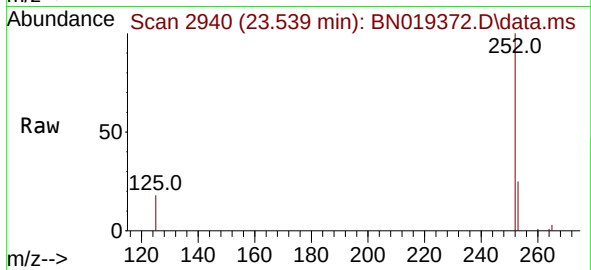
Acq: 06 Apr 2022 17:38

Instrument :

BN019372.D

ClientSampleId :

A10015



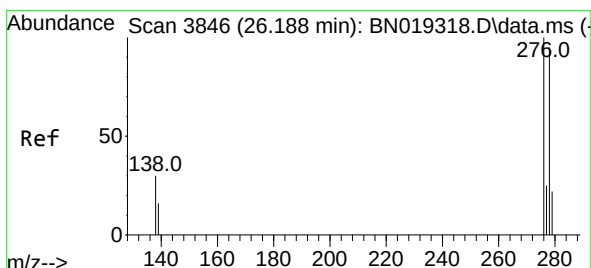
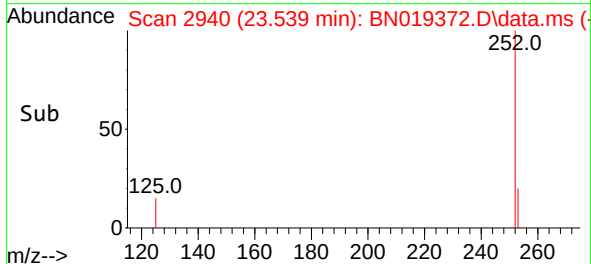
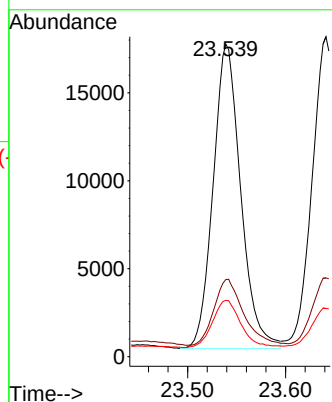
Tgt Ion:252 Resp: 33810

Ion Ratio Lower Upper

252 100

253 24.7 20.1 30.1

125 18.0 15.2 22.8



#40

Dibenzo(a,h)anthracene

Concen: 0.096 ng

RT: 26.179 min Scan# 3843

Delta R.T. -0.009 min

Lab File: BN019372.D

Acq: 06 Apr 2022 17:38

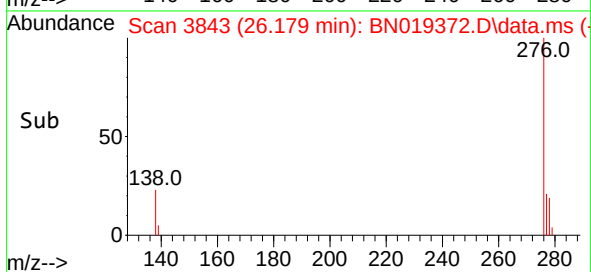
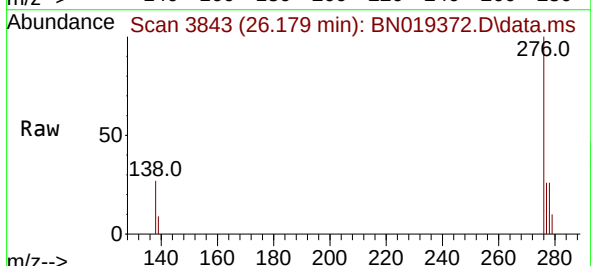
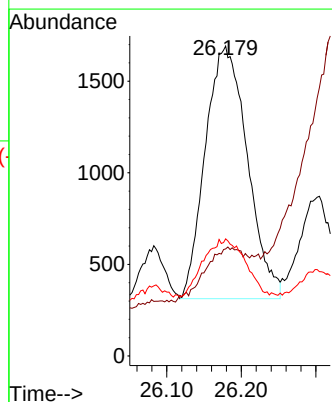
Tgt Ion:278 Resp: 5402

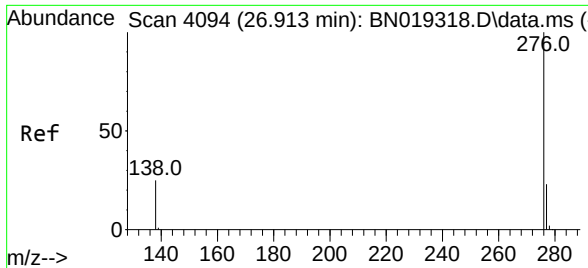
Ion Ratio Lower Upper

278 100

139 34.6 17.2 25.8#

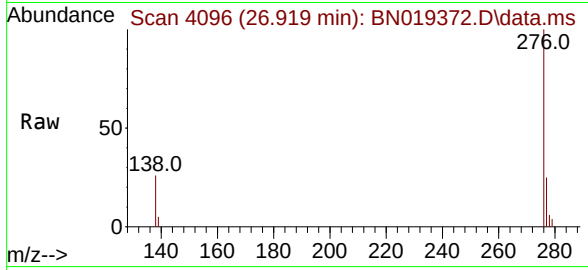
279 37.8 19.9 29.9#





#41
 Benzo(g,h,i)perylene
 Concen: 0.358 ng
 RT: 26.919 min Scan# 4096
 Delta R.T. 0.006 min
 Lab File: BN019372.D
 Acq: 06 Apr 2022 17:38

Instrument :
 BNA_N
 ClientSampleId :
 A10015



Tgt Ion:	276	Resp:	24066
Ion Ratio	Lower	Upper	
276	100		
277	25.4	19.4	29.0
138	26.1	21.0	31.6

