

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040422\
 Data File : BN019340.D
 Acq On : 05 Apr 2022 05:58
 Operator : CG/JU
 Sample : N2237-05 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A12040

Quant Time: Apr 05 07:49:24 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN040422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 04 17:40:00 2022
 Response via : Initial Calibration

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

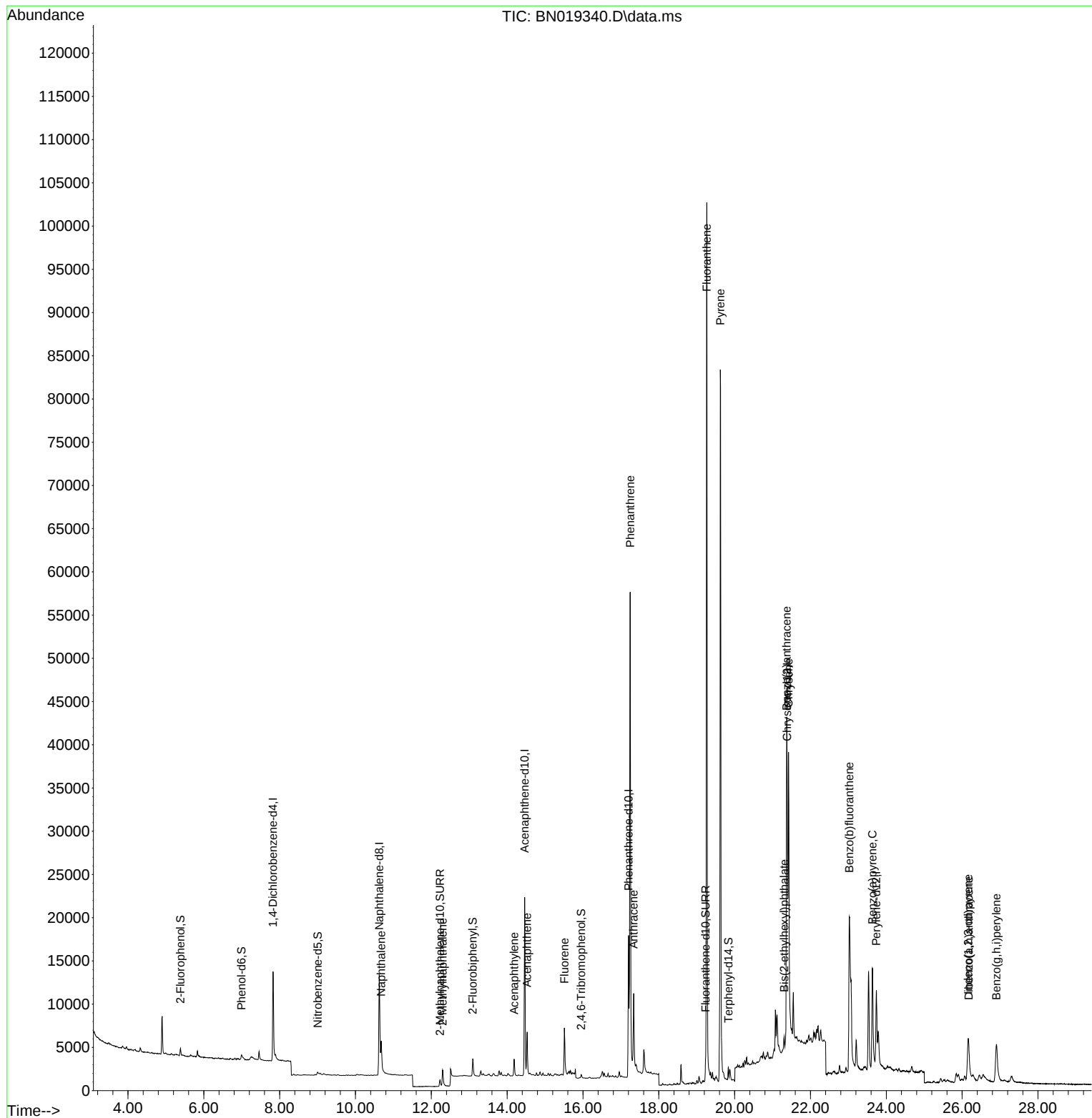
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.825	152	6037	0.400	ng	0.00
7) Naphthalene-d8	10.626	136	18715	0.400	ng	# 0.00
13) Acenaphthene-d10	14.463	164	11998	0.400	ng	0.00
19) Phenanthrene-d10	17.205	188	24612	0.400	ng	# 0.00
29) Chrysene-d12	21.386	240	18592	0.400	ng	# 0.00
35) Perylene-d12	23.738	264	14388	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	727	0.045	ng	0.00
5) Phenol-d6	6.995	99	708	0.036	ng	0.00
8) Nitrobenzene-d5	9.003	82	541	0.032	ng	0.02
11) 2-Methylnaphthalene-d10	12.227	152	1510	0.046	ng	0.00
14) 2,4,6-Tribromophenol	15.954	330	223	0.031	ng	0.00
15) 2-Fluorobiphenyl	13.095	172	2181	0.044	ng	0.00
27) Fluoranthene-d10	19.236	212	3013	0.038	ng	0.00
31) Terphenyl-d14	19.834	244	1807	0.045	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.680	128	5296	0.096	ng	96
12) 2-Methylnaphthalene	12.299	142	1888	0.049	ng	# 93
16) Acenaphthylene	14.185	152	2435	0.041	ng	97
17) Acenaphthene	14.527	154	2472	0.062	ng	98
18) Fluorene	15.511	166	4227	0.081	ng	95
25) Phenanthrene	17.246	178	62982	0.763	ng	100
26) Anthracene	17.338	178	12492	0.172	ng	99
28) Fluoranthene	19.265	202	97046	0.991	ng	99
30) Pyrene	19.624	202	80290	0.928	ng	# 95
32) Benzo(a)anthracene	21.368	228	33951	0.494	ng	97
33) Chrysene	21.422	228	35239	0.462	ng	97
34) Bis(2-ethylhexyl)phtha...	21.306	149	1861	0.036	ng	# 92
36) Indeno(1,2,3-cd)pyrene	26.164	276	10411	0.173	ng	# 88
37) Benzo(b)fluoranthene	23.024	252	35545	0.630	ng	96
39) Benzo(a)pyrene	23.635	252	20451	0.404	ng	95
40) Dibenzo(a,h)anthracene	26.176	278	2270	0.049	ng	# 54
41) Benzo(g,h,i)perylene	26.904	276	11244	0.201	ng	94

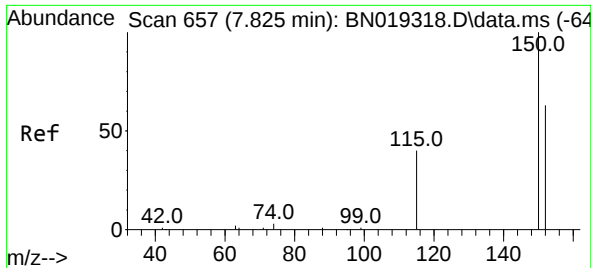
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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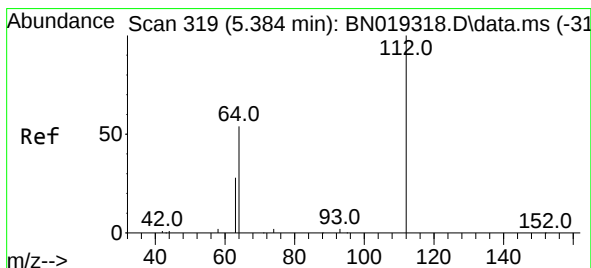
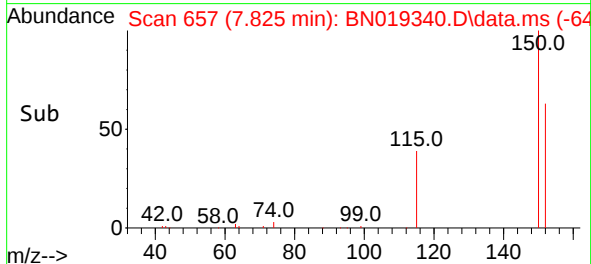
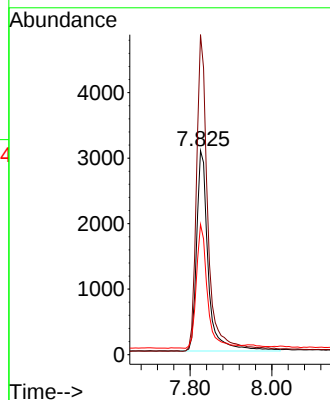
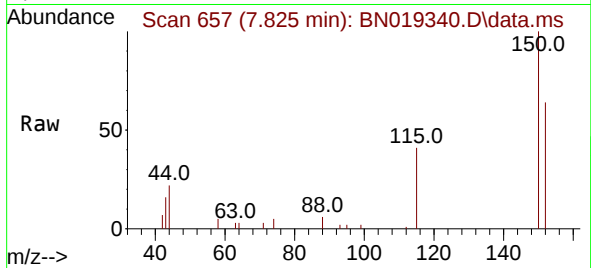




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.825 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: BN019340.D
 Acq: 05 Apr 2022 05:58

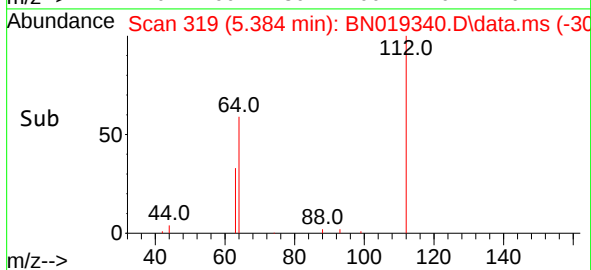
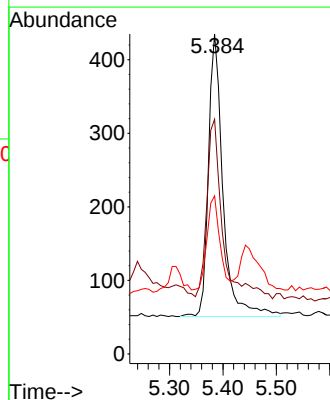
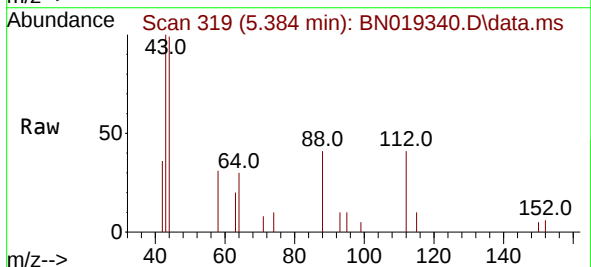
Instrument :
 BNA_N
 ClientSampleId :
 A12040

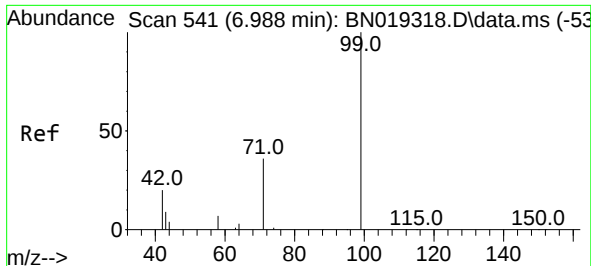
Tgt Ion:152 Resp: 6037
 Ion Ratio Lower Upper
 152 100
 150 156.9 123.9 185.9
 115 63.8 48.2 72.4



#4
 2-Fluorophenol
 Concen: 0.045 ng
 RT: 5.384 min Scan# 319
 Delta R.T. -0.000 min
 Lab File: BN019340.D
 Acq: 05 Apr 2022 05:58

Tgt Ion:112 Resp: 727
 Ion Ratio Lower Upper
 112 100
 64 68.6 47.8 71.8
 63 29.6 25.7 38.5

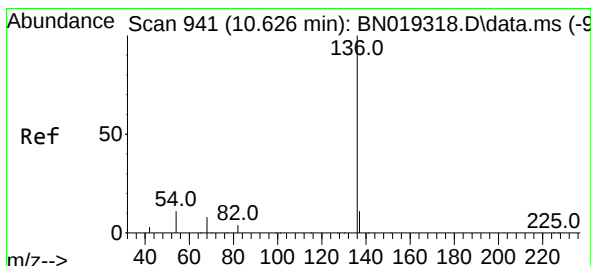
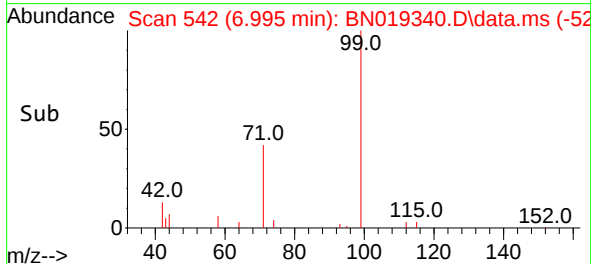
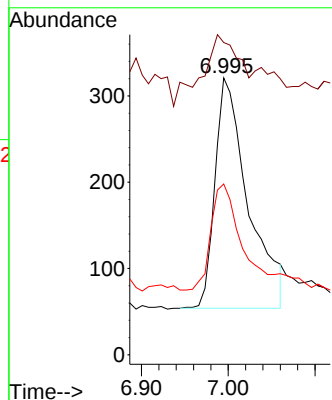
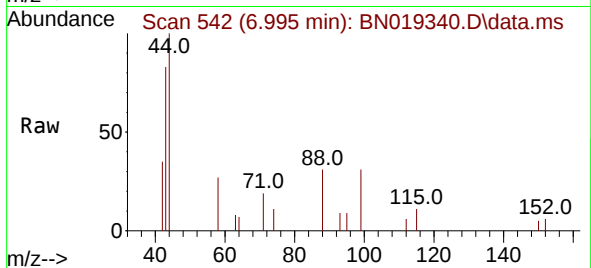




#5
Phenol-d6
Concen: 0.036 ng
RT: 6.995 min Scan# 541
Delta R.T. 0.007 min
Lab File: BN019340.D
Acq: 05 Apr 2022 05:58

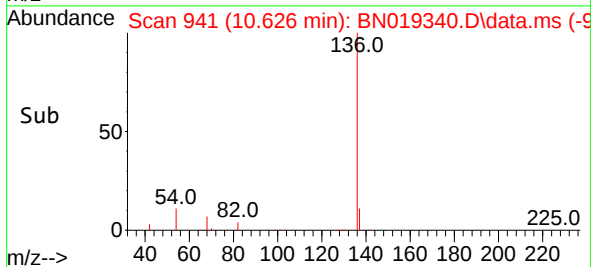
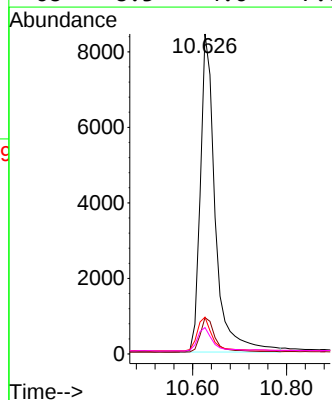
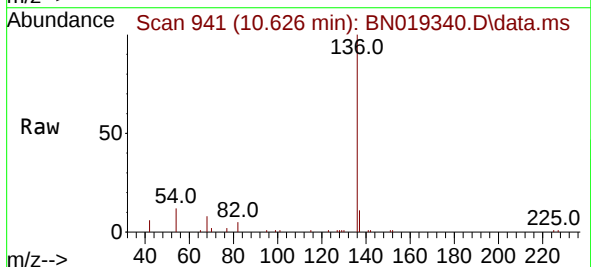
Instrument :
BNA_N
ClientSampleId :
A12040

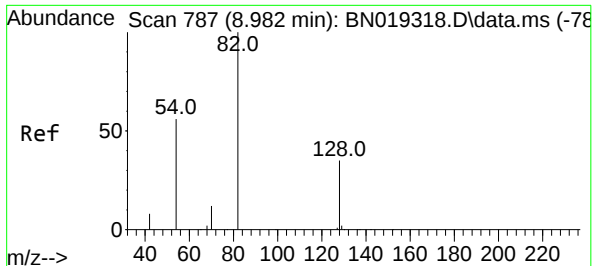
Tgt Ion: 99 Resp: 708
Ion Ratio Lower Upper
99 100
42 37.6 16.2 24.4#
71 42.2 27.7 41.5#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 941
Delta R.T. -0.000 min
Lab File: BN019340.D
Acq: 05 Apr 2022 05:58

Tgt Ion: 136 Resp: 18715
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.4
54 11.5 5.8 8.6#
68 8.3 4.6 7.0#





#8
Nitrobenzene-d5
Concen: 0.032 ng
RT: 9.003 min Scan# 787
Delta R.T. 0.021 min
Lab File: BN019340.D
Acq: 05 Apr 2022 05:58

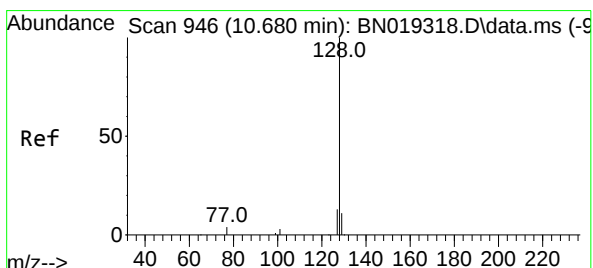
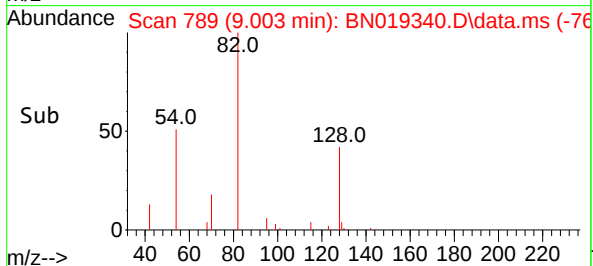
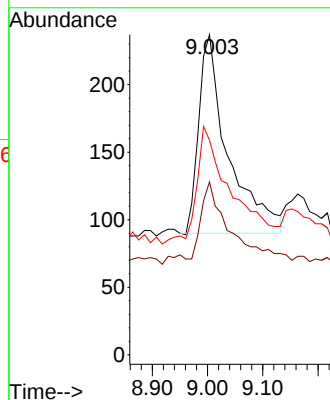
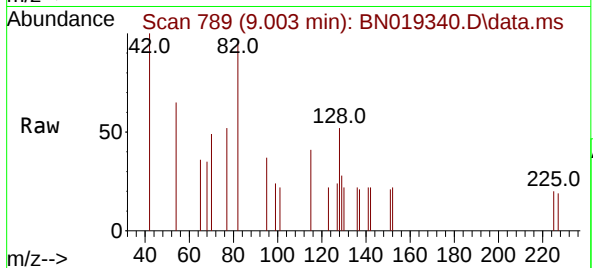
Instrument :

BNA_N

ClientSampleId :

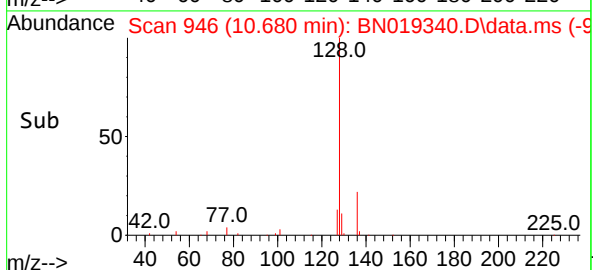
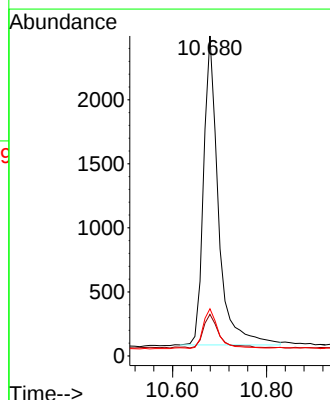
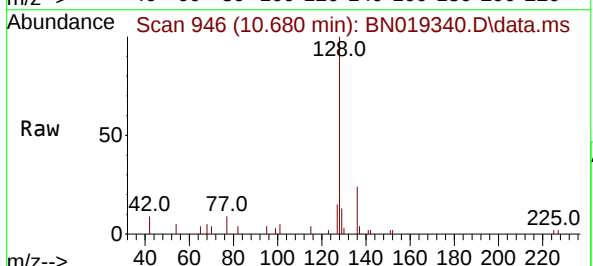
A12040

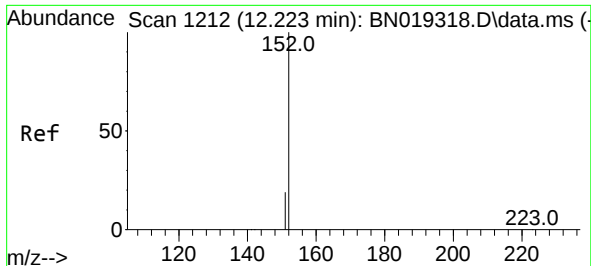
Tgt Ion: 82 Resp: 541
Ion Ratio Lower Upper
82 100
128 54.0 33.0 49.6#
54 67.1 42.5 63.7#



#9
Naphthalene
Concen: 0.096 ng
RT: 10.680 min Scan# 946
Delta R.T. -0.000 min
Lab File: BN019340.D
Acq: 05 Apr 2022 05:58

Tgt Ion: 128 Resp: 5296
Ion Ratio Lower Upper
128 100
129 13.0 9.0 13.4
127 14.7 10.7 16.1





#11

2-Methylnaphthalene-d10

Concen: 0.046 ng

RT: 12.227 min Scan# 11

Delta R.T. 0.004 min

Lab File: BN019340.D

Acq: 05 Apr 2022 05:58

Instrument :

BNA_N

ClientSampleId :

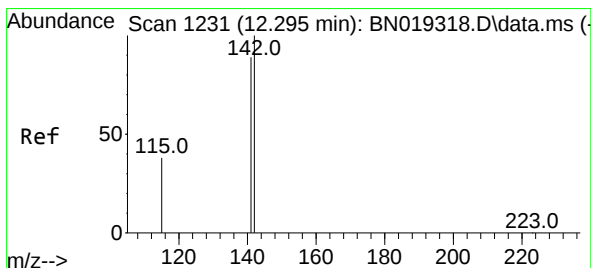
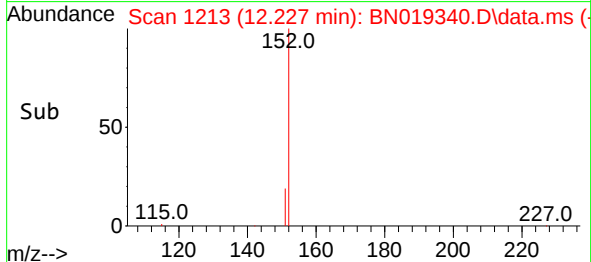
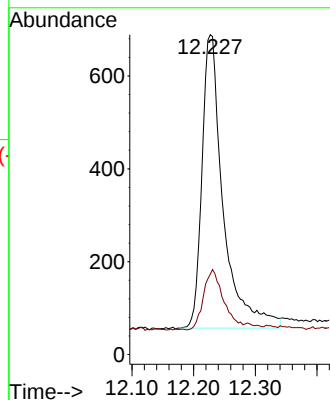
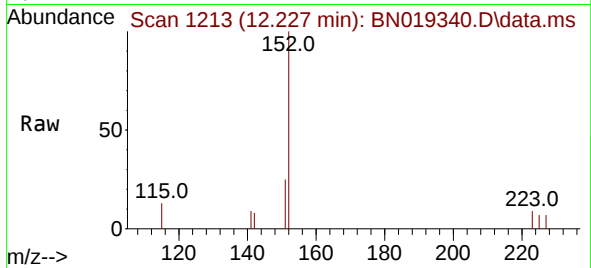
A12040

Tgt Ion:152 Resp: 1510

Ion Ratio Lower Upper

152 100

151 19.5 16.5 24.7



#12

2-Methylnaphthalene

Concen: 0.049 ng

RT: 12.299 min Scan# 1232

Delta R.T. 0.004 min

Lab File: BN019340.D

Acq: 05 Apr 2022 05:58

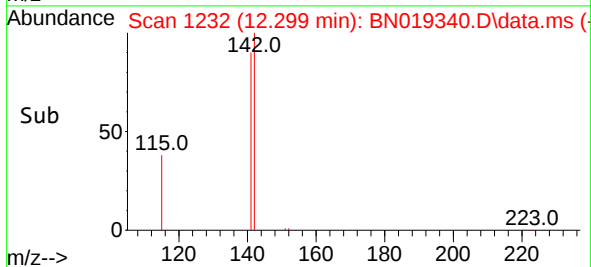
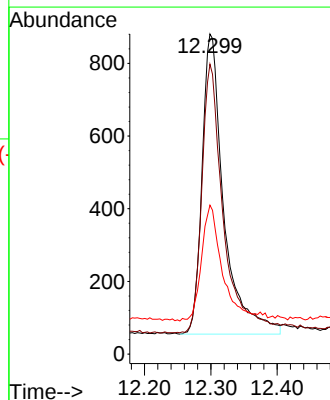
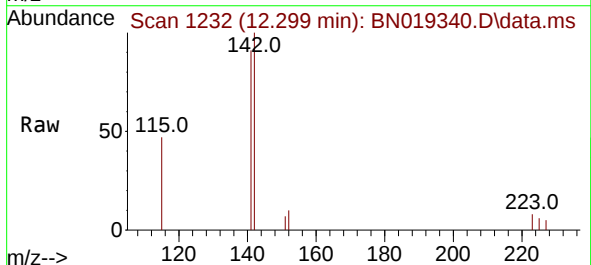
Tgt Ion:142 Resp: 1888

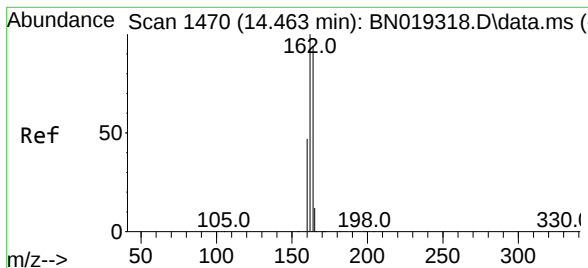
Ion Ratio Lower Upper

142 100

141 90.6 70.0 105.0

115 46.5 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: BN019340.D

Acq: 05 Apr 2022 05:58

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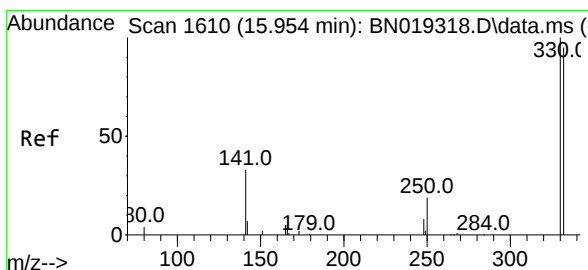
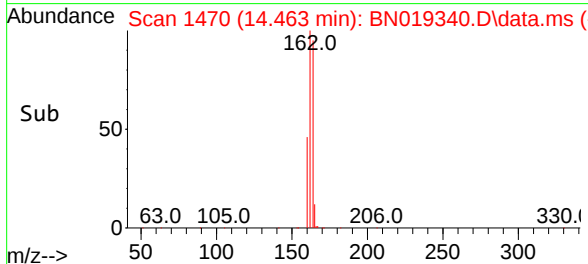
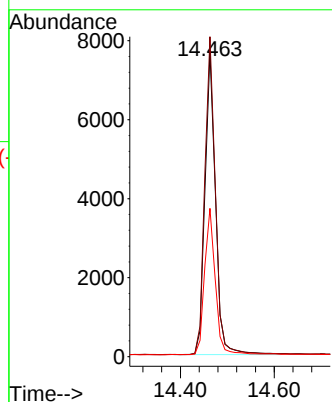
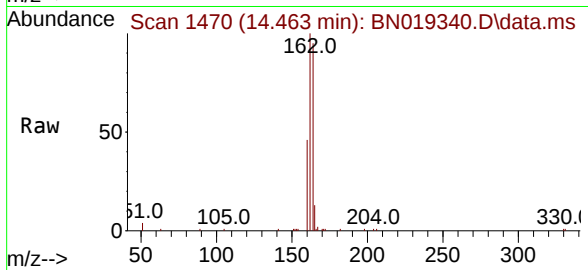
Tgt Ion:164 Resp: 11998

Ion Ratio Lower Upper

164 100

162 105.2 85.2 127.8

160 48.8 41.5 62.3



#14

2,4,6-Tribromophenol

Concen: 0.031 ng

RT: 15.954 min Scan# 1610

Delta R.T. -0.000 min

Lab File: BN019340.D

Acq: 05 Apr 2022 05:58

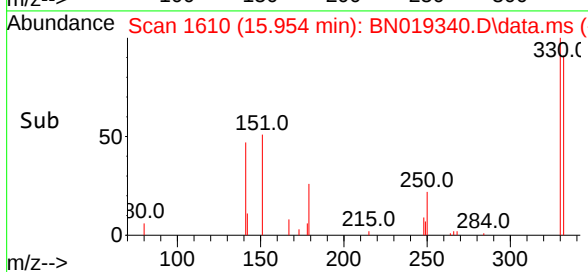
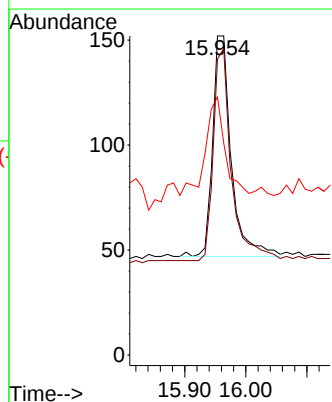
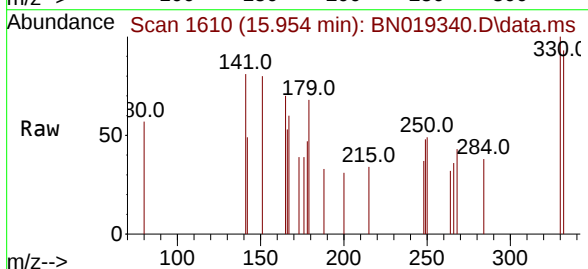
Tgt Ion:330 Resp: 223

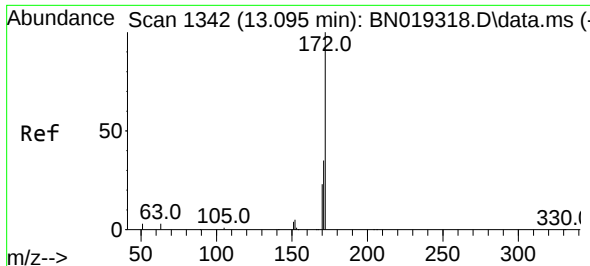
Ion Ratio Lower Upper

330 100

332 93.7 76.8 115.2

141 46.2 32.2 48.2

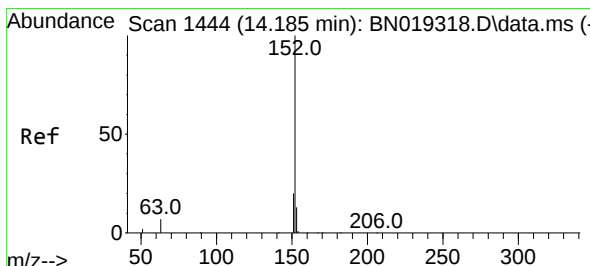
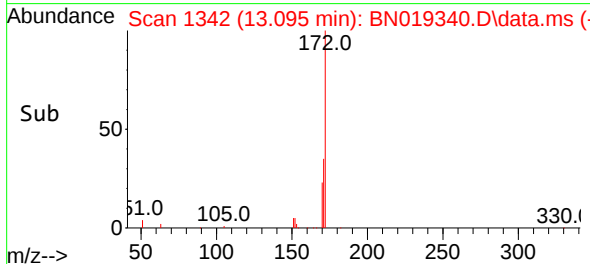
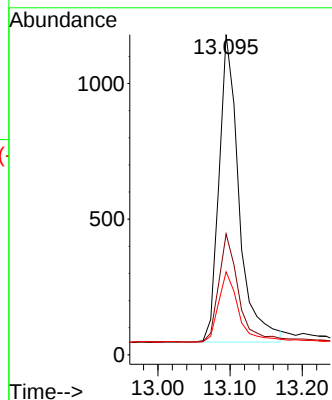
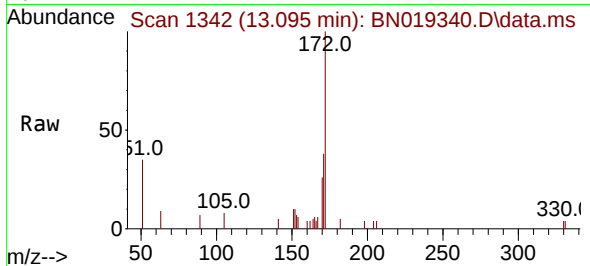




#15
2-Fluorobiphenyl
Concen: 0.044 ng
RT: 13.095 min Scan# 1342
Delta R.T. -0.000 min
Lab File: BN019340.D
Acq: 05 Apr 2022 05:58

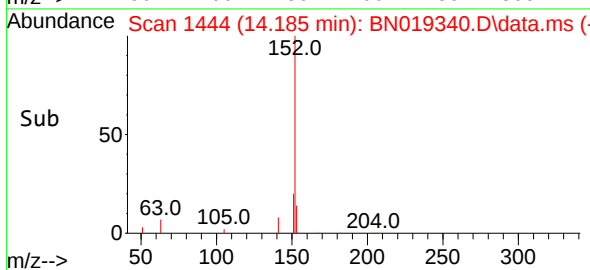
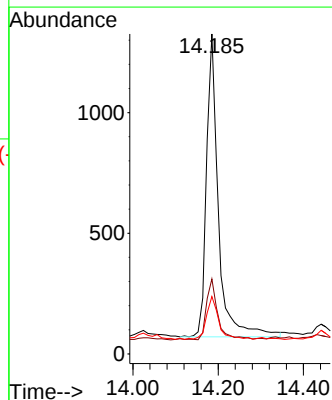
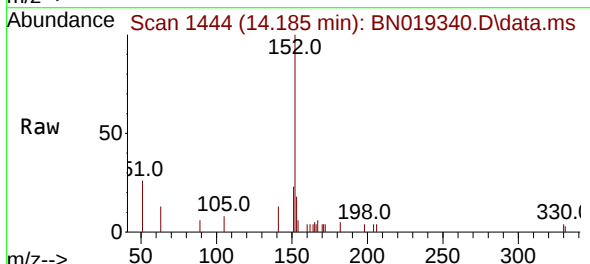
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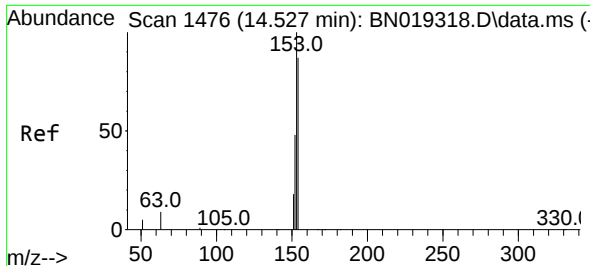
Tgt Ion:	172	Resp:	2181
Ion	Ratio	Lower	Upper
172	100		
171	37.8	28.2	42.2
170	25.9	18.7	28.1



#16
Acenaphthylene
Concen: 0.041 ng
RT: 14.185 min Scan# 1444
Delta R.T. -0.000 min
Lab File: BN019340.D
Acq: 05 Apr 2022 05:58

Tgt Ion:	152	Resp:	2435
Ion	Ratio	Lower	Upper
152	100		
151	18.6	15.9	23.9
153	14.6	10.6	15.8

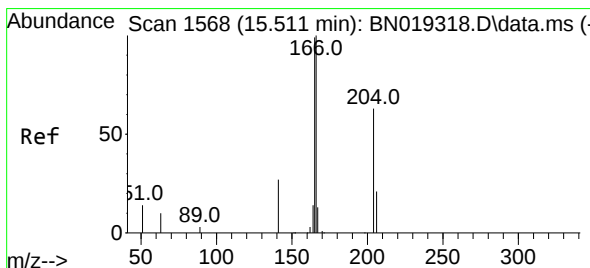
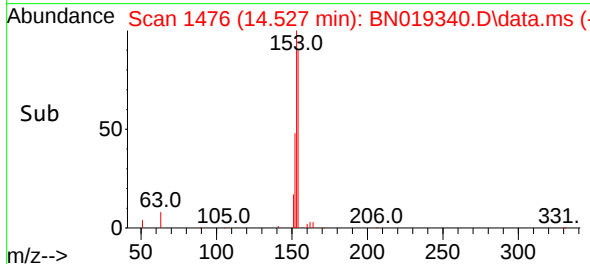
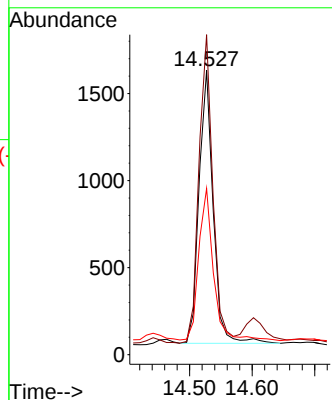
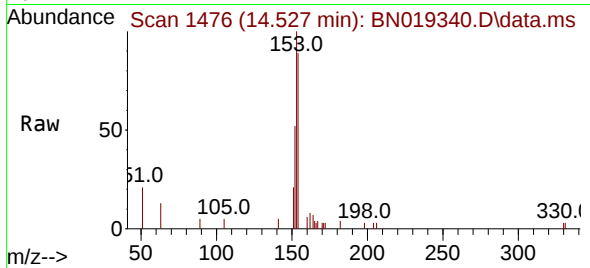




#17
Acenaphthene
Concen: 0.062 ng
RT: 14.527 min Scan# 1476
Delta R.T. -0.000 min
Lab File: BN019340.D
Acq: 05 Apr 2022 05:58

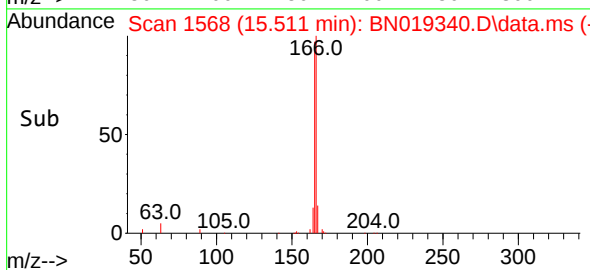
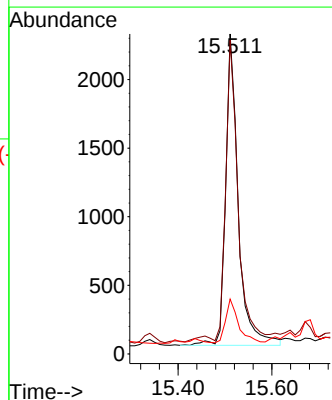
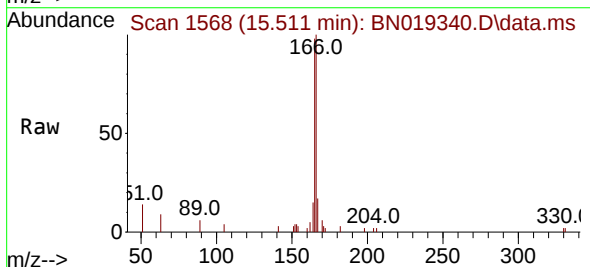
Instrument :
BNA_N
ClientSampleId :
A12040

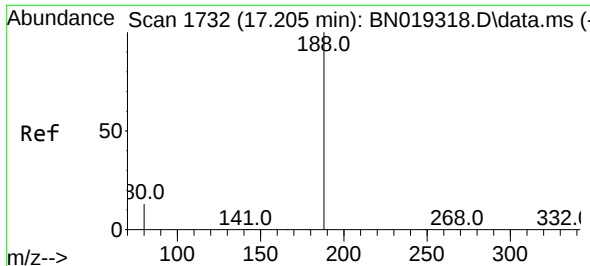
Tgt Ion:154 Resp: 2472
Ion Ratio Lower Upper
154 100
153 111.2 89.7 134.5
152 58.2 44.7 67.1



#18
Fluorene
Concen: 0.081 ng
RT: 15.511 min Scan# 1568
Delta R.T. -0.000 min
Lab File: BN019340.D
Acq: 05 Apr 2022 05:58

Tgt Ion:166 Resp: 4227
Ion Ratio Lower Upper
166 100
165 93.2 79.2 118.8
167 14.1 10.7 16.1

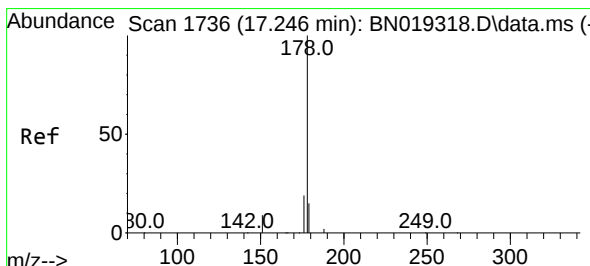
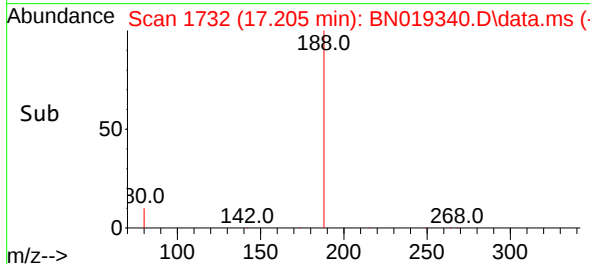
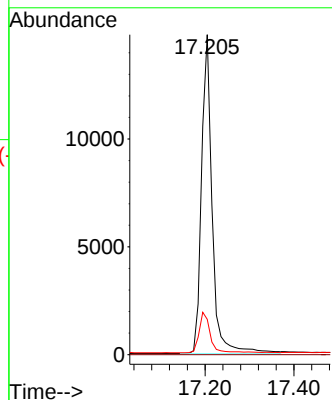
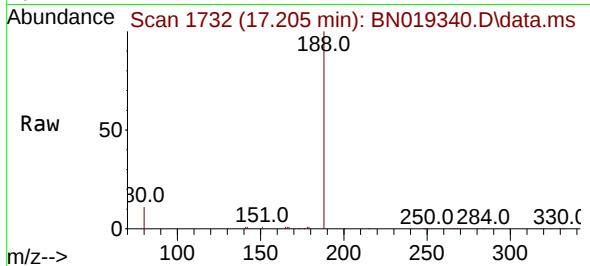




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.205 min Scan# 1732
Delta R.T. -0.000 min
Lab File: BN019340.D
Acq: 05 Apr 2022 05:58

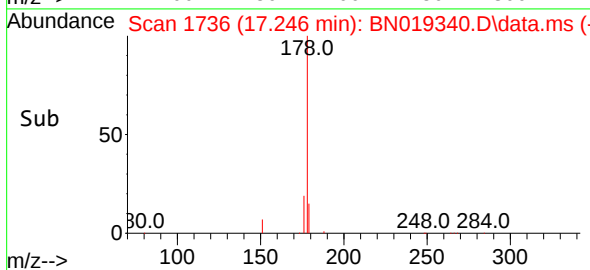
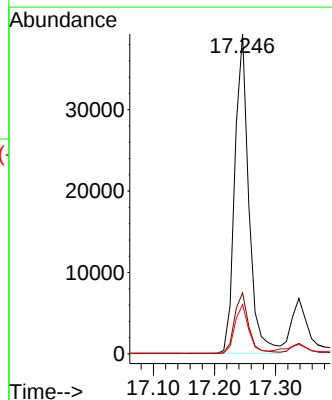
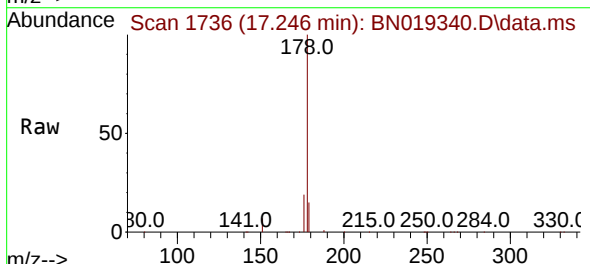
Instrument :
BNA_N
ClientSampleId :
A12040

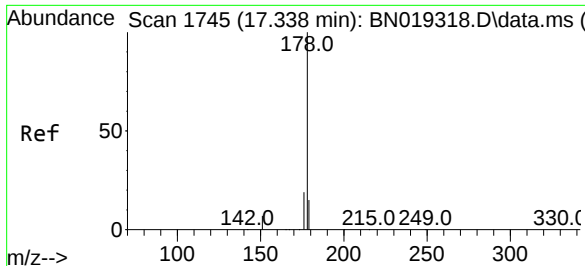
Tgt Ion:188 Resp: 24612
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.0 11.8 17.8#



#25
Phenanthrene
Concen: 0.763 ng
RT: 17.246 min Scan# 1736
Delta R.T. -0.000 min
Lab File: BN019340.D
Acq: 05 Apr 2022 05:58

Tgt Ion:178 Resp: 62982
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 15.1 12.2 18.2

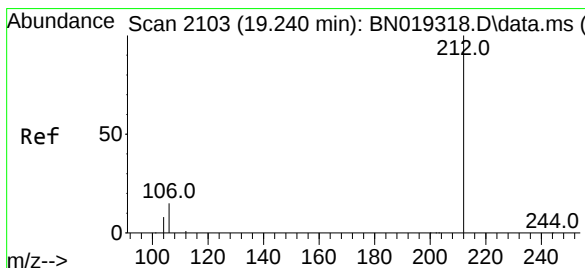
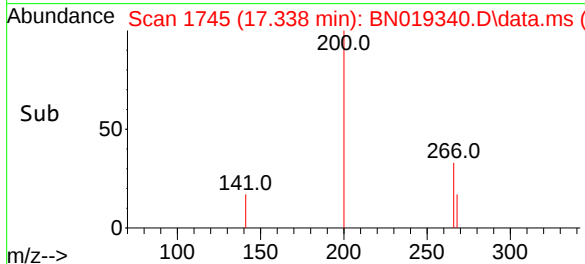
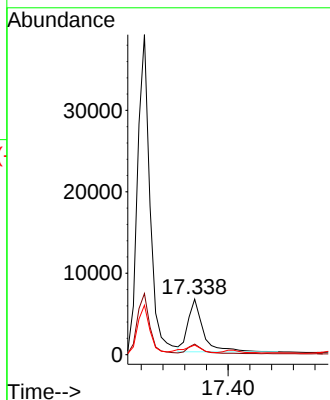
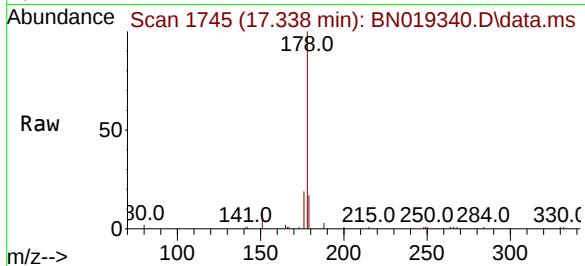




#26
 Anthracene
 Concen: 0.172 ng
 RT: 17.338 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BN019340.D
 Acq: 05 Apr 2022 05:58

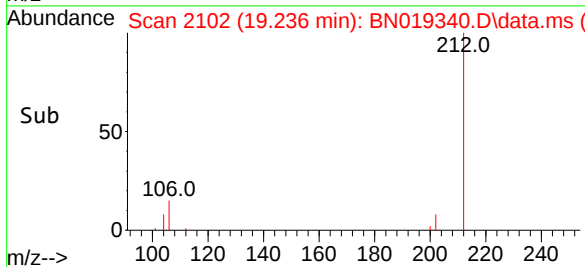
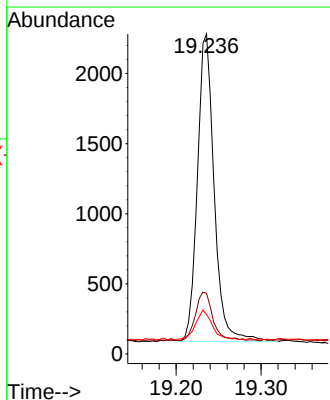
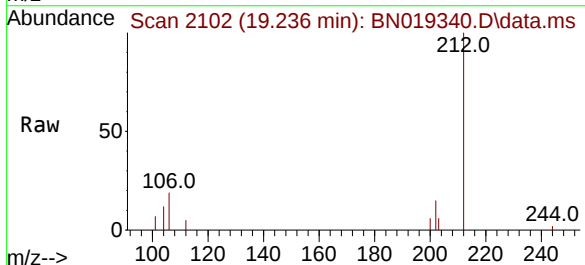
Instrument :
 BNA_N
 ClientSampleId :
 A12040

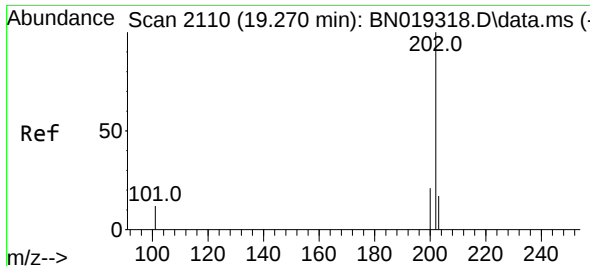
Tgt Ion:178 Resp: 12492
 Ion Ratio Lower Upper
 178 100
 176 18.7 14.8 22.2
 179 15.6 12.2 18.4



#27
 Fluoranthene-d10
 Concen: 0.038 ng
 RT: 19.236 min Scan# 2102
 Delta R.T. -0.004 min
 Lab File: BN019340.D
 Acq: 05 Apr 2022 05:58

Tgt Ion:212 Resp: 3013
 Ion Ratio Lower Upper
 212 100
 106 16.7 12.7 19.1
 104 9.6 7.1 10.7

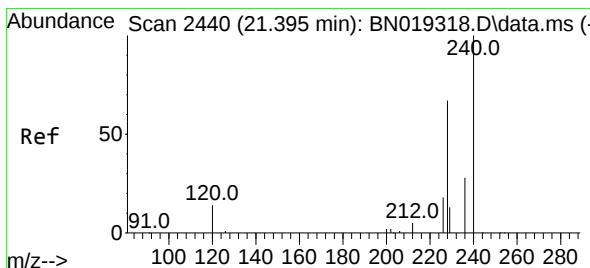
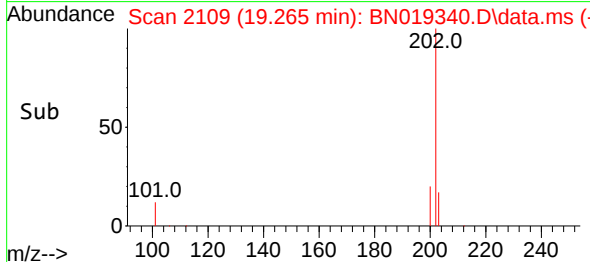
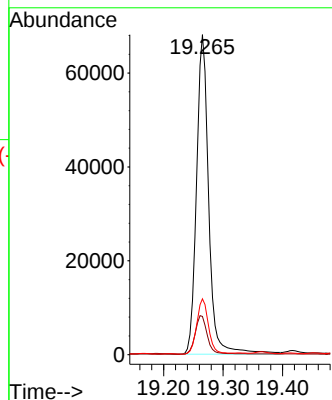
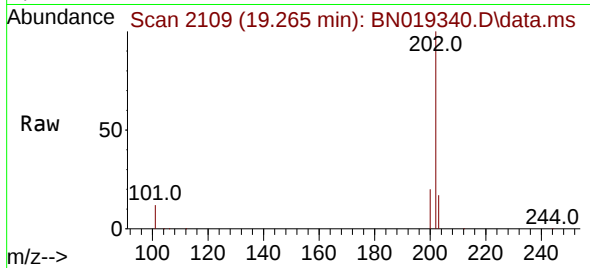




#28
Fluoranthene
Concen: 0.991 ng
RT: 19.265 min Scan# 2110
Delta R.T. -0.004 min
Lab File: BN019340.D
Acq: 05 Apr 2022 05:58

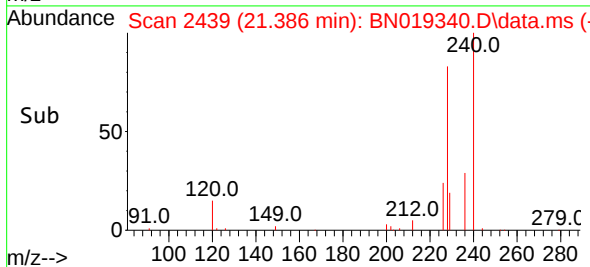
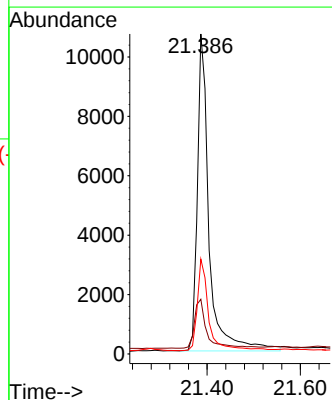
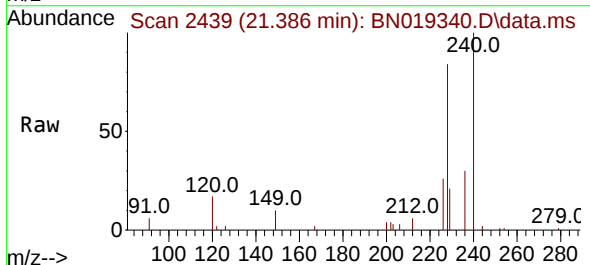
Instrument :
BNA_N
ClientSampleId :
A12040

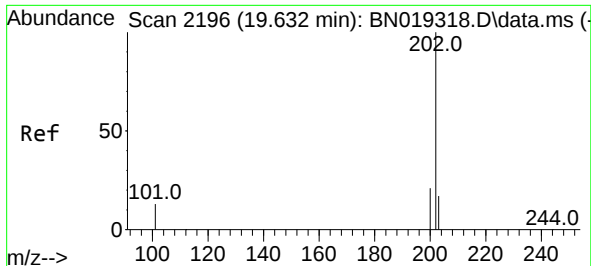
Tgt Ion:202 Resp: 97046
Ion Ratio Lower Upper
202 100
101 12.0 9.8 14.6
203 16.8 13.7 20.5



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.386 min Scan# 2439
Delta R.T. -0.009 min
Lab File: BN019340.D
Acq: 05 Apr 2022 05:58

Tgt Ion:240 Resp: 18592
Ion Ratio Lower Upper
240 100
120 17.1 8.5 12.7#
236 29.7 22.4 33.6

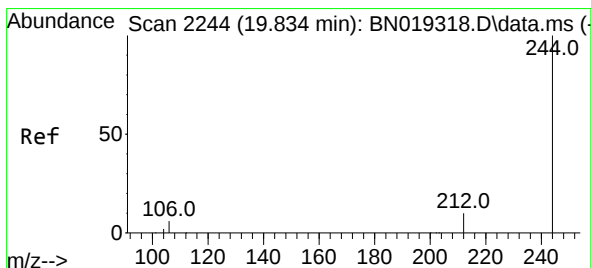
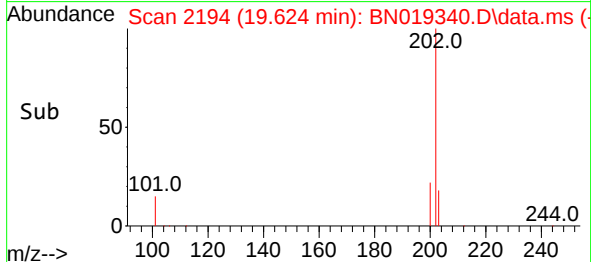
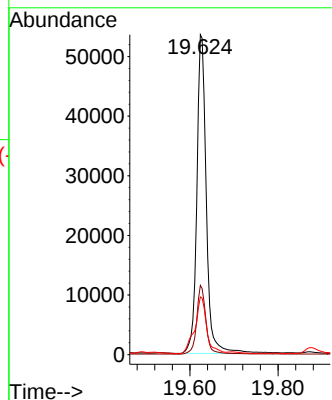
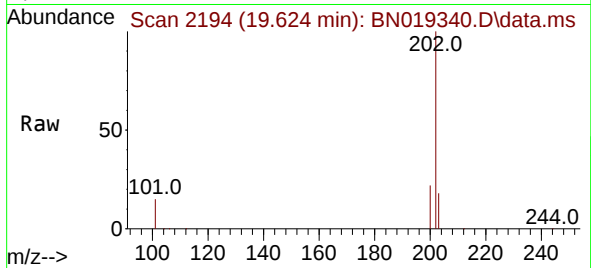




#30
Pyrene
Concen: 0.928 ng
RT: 19.624 min Scan# 2196
Delta R.T. -0.008 min
Lab File: BN019340.D
Acq: 05 Apr 2022 05:58

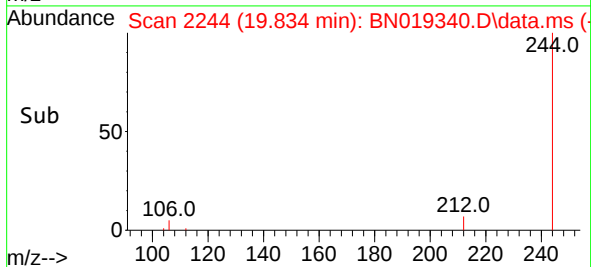
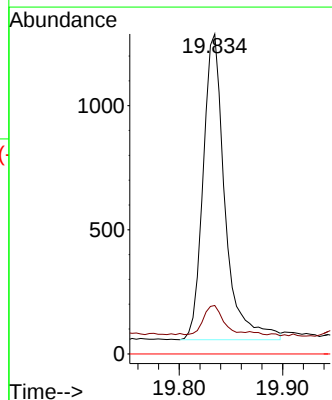
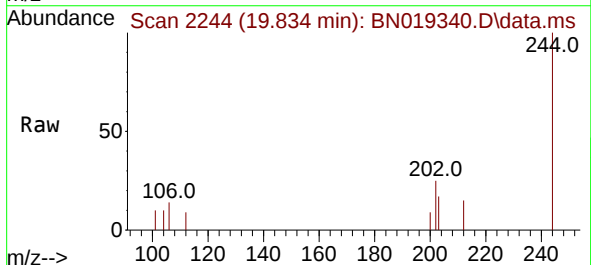
Instrument :
BNA_N
ClientSampleId :
A12040

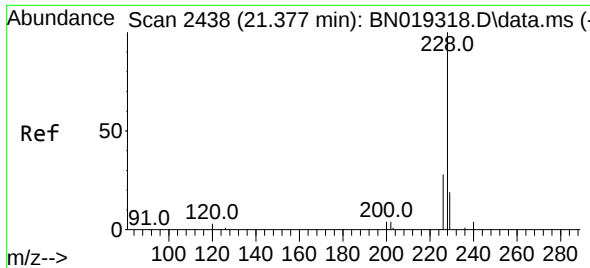
Tgt Ion:202 Resp: 80290
Ion Ratio Lower Upper
202 100
200 21.1 16.9 25.3
203 22.1 14.2 21.2#



#31
Terphenyl-d14
Concen: 0.045 ng
RT: 19.834 min Scan# 2244
Delta R.T. -0.000 min
Lab File: BN019340.D
Acq: 05 Apr 2022 05:58

Tgt Ion:244 Resp: 1807
Ion Ratio Lower Upper
244 100
212 15.1 8.2 12.4#
122 0.0 0.0 0.0

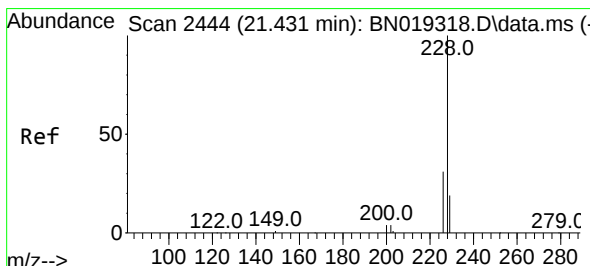
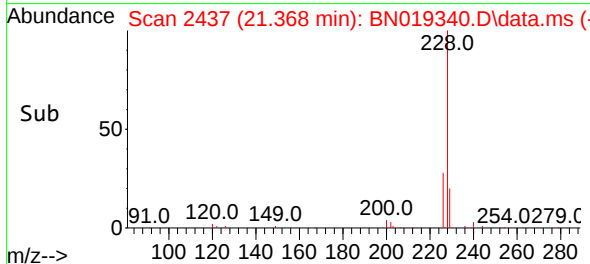
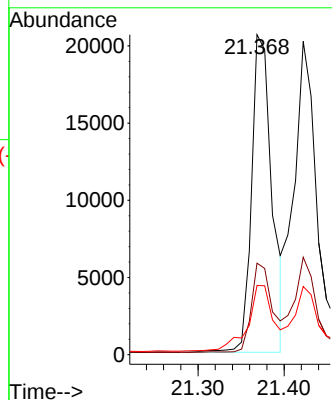
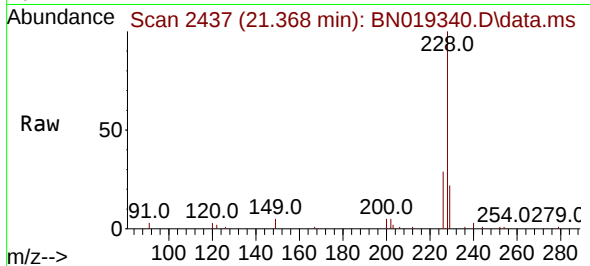




#32
Benzo(a)anthracene
Concen: 0.494 ng
RT: 21.368 min Scan# 2437
Delta R.T. -0.009 min
Lab File: BN019340.D
Acq: 05 Apr 2022 05:58

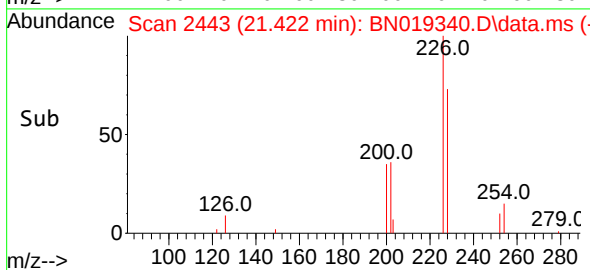
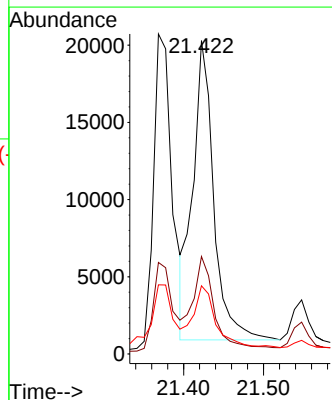
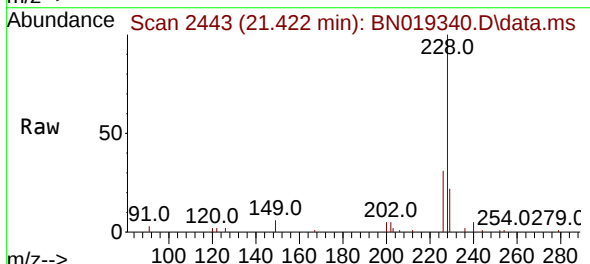
Instrument :
BNA_N
ClientSampleId :
A12040

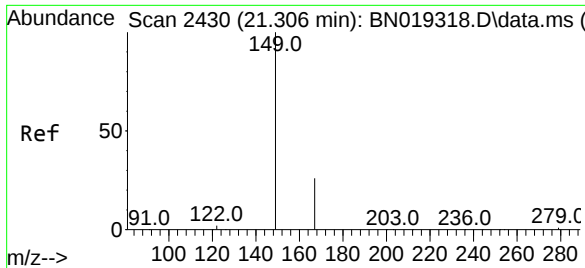
Tgt Ion:228 Resp: 33951
Ion Ratio Lower Upper
228 100
226 28.6 21.9 32.9
229 21.6 16.0 24.0



#33
Chrysene
Concen: 0.462 ng
RT: 21.422 min Scan# 2443
Delta R.T. -0.009 min
Lab File: BN019340.D
Acq: 05 Apr 2022 05:58

Tgt Ion:228 Resp: 35239
Ion Ratio Lower Upper
228 100
226 31.1 24.0 36.0
229 21.7 15.9 23.9

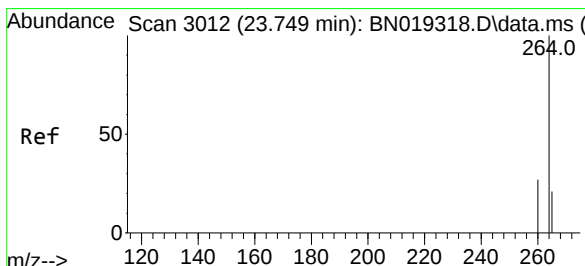
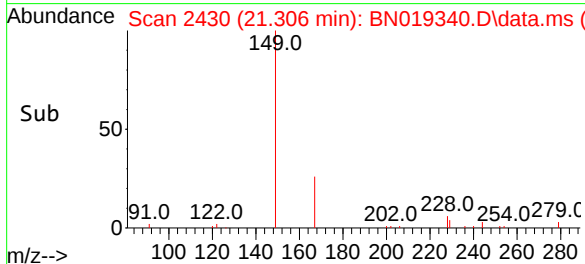
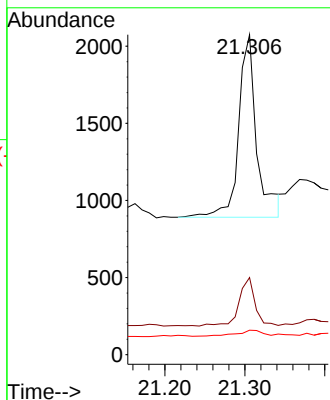
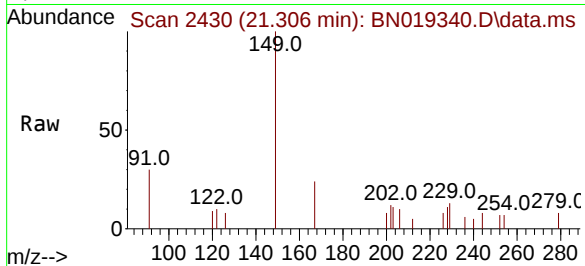




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.036 ng
 RT: 21.306 min Scan# 2430
 Delta R.T. -0.000 min
 Lab File: BN019340.D
 Acq: 05 Apr 2022 05:58

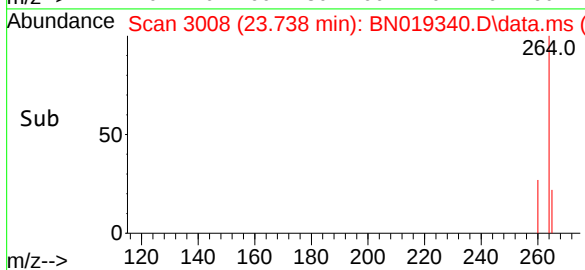
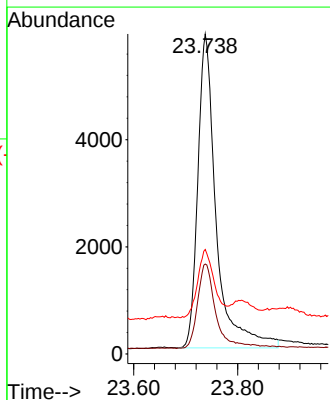
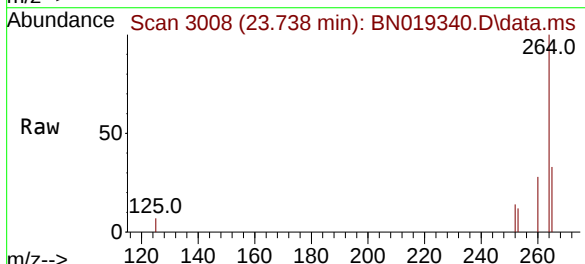
Instrument :
 BNA_N
 ClientSampleId :
 A12040

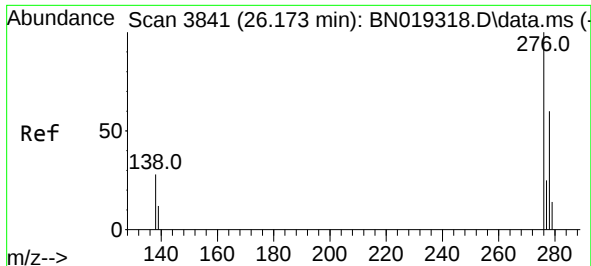
Tgt Ion:149 Resp: 1861
 Ion Ratio Lower Upper
 149 100
 167 22.8 21.8 32.8
 279 4.6 2.0 3.0#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.738 min Scan# 3008
 Delta R.T. -0.012 min
 Lab File: BN019340.D
 Acq: 05 Apr 2022 05:58

Tgt Ion:264 Resp: 14388
 Ion Ratio Lower Upper
 264 100
 260 28.1 22.4 33.6
 265 32.6 25.3 37.9

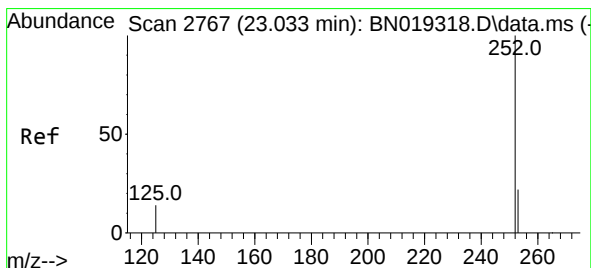
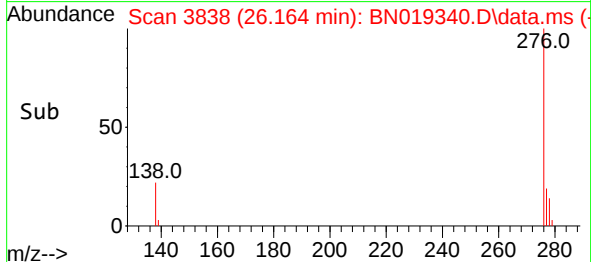
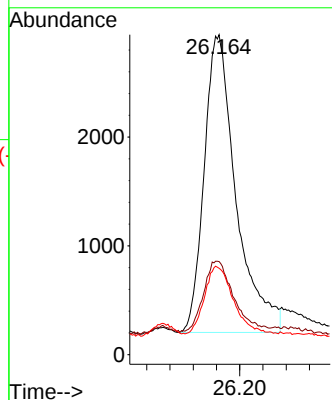
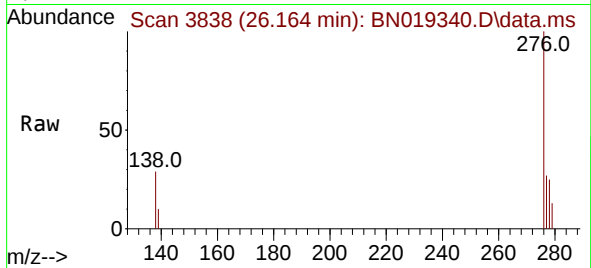




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.173 ng
RT: 26.164 min Scan# 3841
Delta R.T. -0.009 min
Lab File: BN019340.D
Acq: 05 Apr 2022 05:58

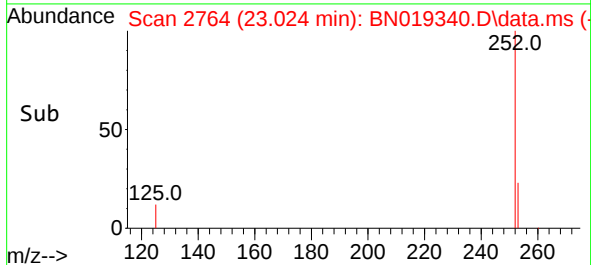
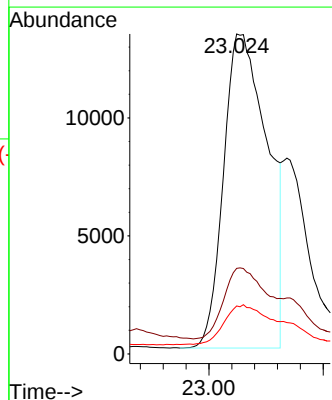
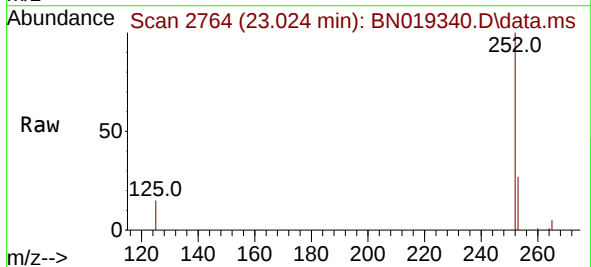
Instrument :
BNA_N
ClientSampleId :
A12040

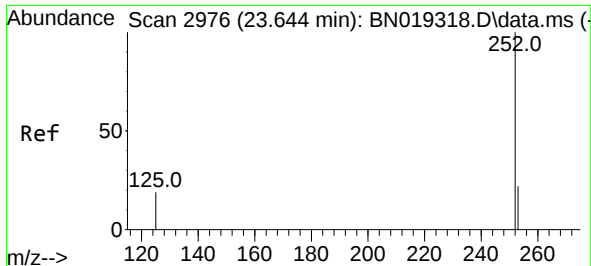
Tgt Ion:276 Resp: 10411
Ion Ratio Lower Upper
276 100
138 22.7 24.5 36.7#
277 20.5 19.8 29.8



#37
Benzo(b)fluoranthene
Concen: 0.630 ng
RT: 23.024 min Scan# 2764
Delta R.T. -0.009 min
Lab File: BN019340.D
Acq: 05 Apr 2022 05:58

Tgt Ion:252 Resp: 35545
Ion Ratio Lower Upper
252 100
253 26.8 18.9 28.3
125 15.0 12.1 18.1





#39

Benzo(a)pyrene

Concen: 0.404 ng

RT: 23.635 min Scan# 2976

Delta R.T. -0.009 min

Lab File: BN019340.D

Acq: 05 Apr 2022 05:58

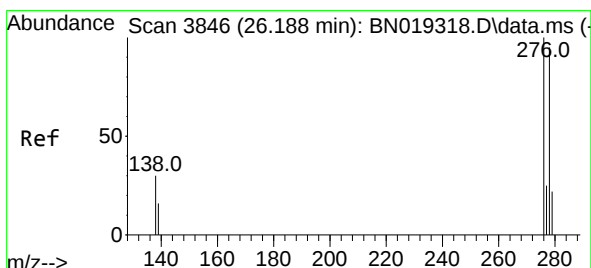
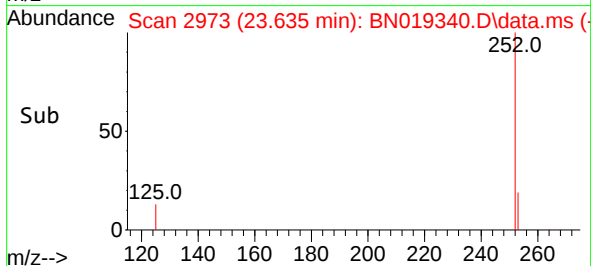
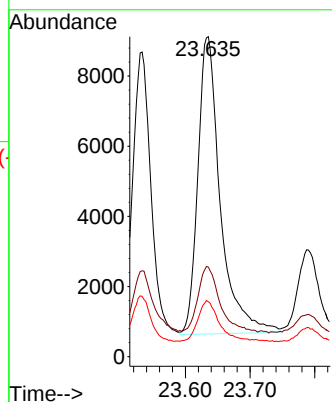
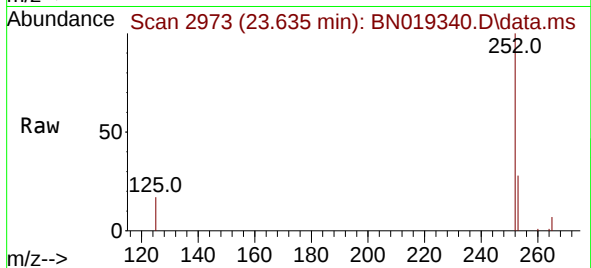
Instrument :

BN019340.D

ClientSampleId :

A12040

Tgt Ion:	252	Resp:	20451
Ion Ratio	Lower	Upper	
252	100		
253	27.9	20.1	30.1
125	17.1	15.2	22.8



#40

Dibenzo(a,h)anthracene

Concen: 0.049 ng

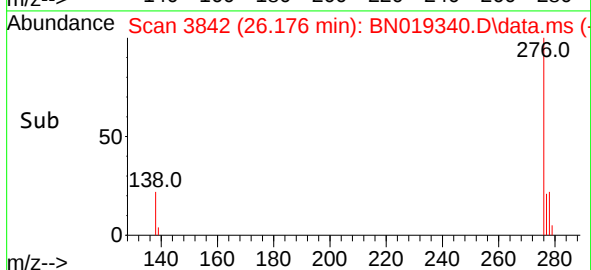
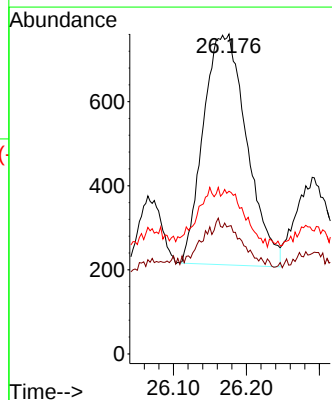
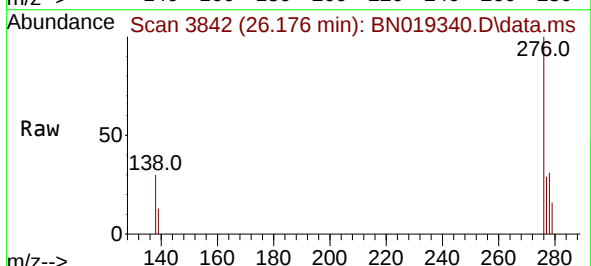
RT: 26.176 min Scan# 3842

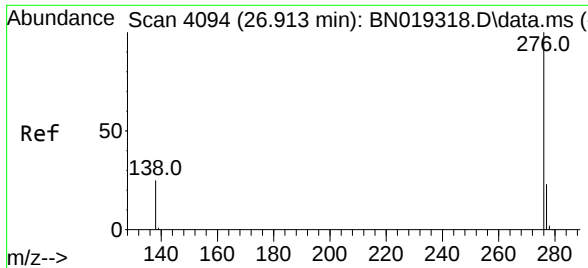
Delta R.T. -0.012 min

Lab File: BN019340.D

Acq: 05 Apr 2022 05:58

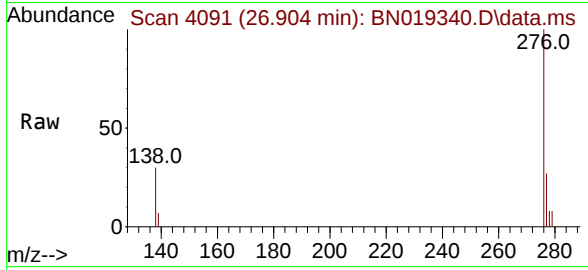
Tgt Ion:	278	Resp:	2270
Ion Ratio	Lower	Upper	
278	100		
139	39.9	17.2	25.8#
279	50.9	19.9	29.9#





#41
 Benzo(g,h,i)perylene
 Concen: 0.201 ng
 RT: 26.904 min Scan# 40
 Delta R.T. -0.009 min
 Lab File: BN019340.D
 Acq: 05 Apr 2022 05:58

Instrument :
 BNA_N
 ClientSampleId :
 A12040



Tgt Ion:	276	Resp:	11244
Ion	Ratio	Lower	Upper
276	100		
277	27.0	19.4	29.0
138	30.0	21.0	31.6

