

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040522\
 Data File : BN019358.D
 Acq On : 05 Apr 2022 20:05
 Operator : CG/JU
 Sample : N2220-12 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A05015

Quant Time: Apr 06 02:32:03 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN040422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 04 17:40:00 2022
 Response via : Initial Calibration

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

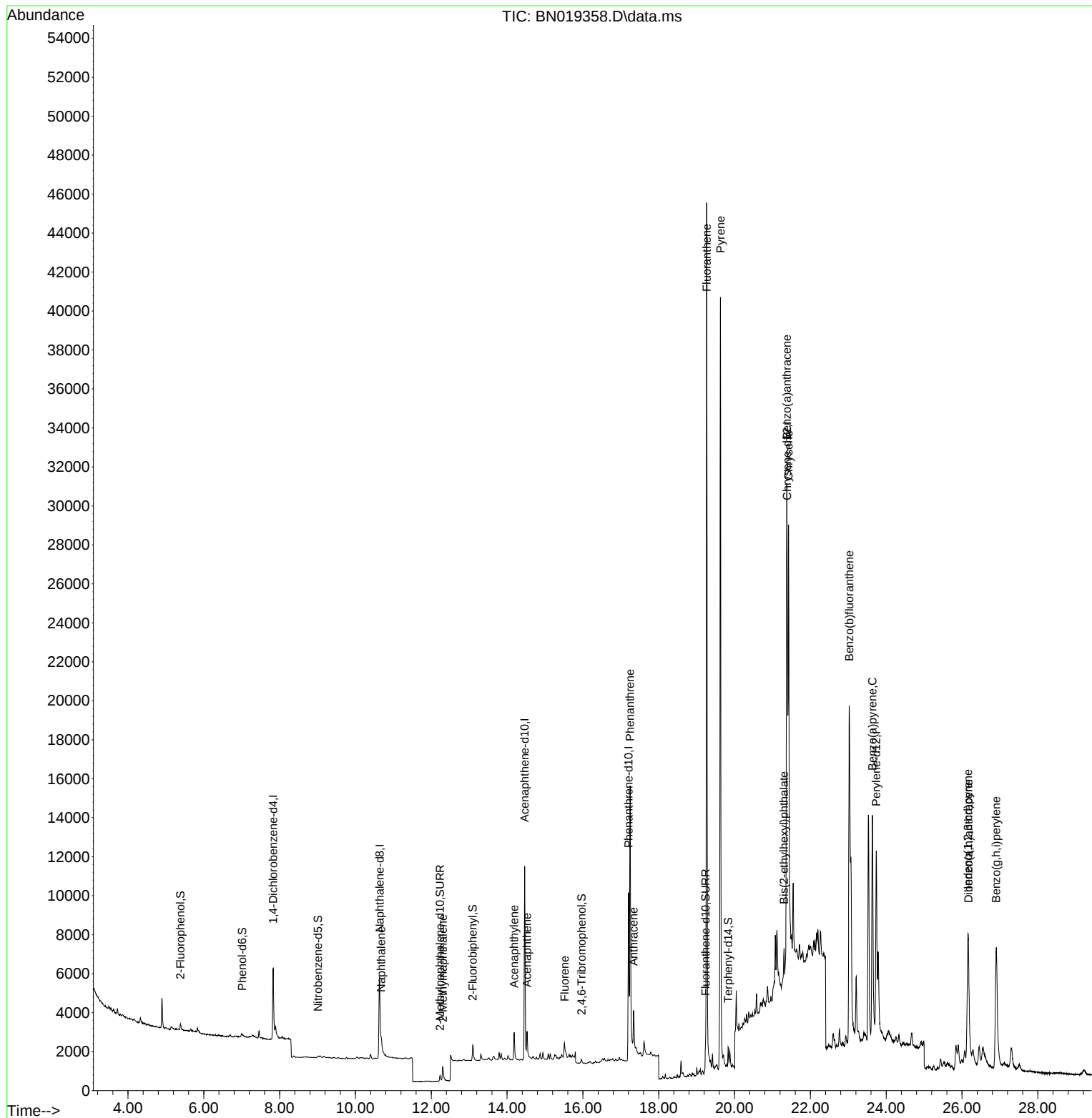
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.833	152	2486	0.400	ng	0.00
7) Naphthalene-d8	10.637	136	7957	0.400	ng	# 0.01
13) Acenaphthene-d10	14.463	164	6052	0.400	ng	0.00
19) Phenanthrene-d10	17.205	188	13685	0.400	ng	0.00
29) Chrysene-d12	21.387	240	14763	0.400	ng	# 0.00
35) Perylene-d12	23.738	264	14712	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	315	0.047	ng	0.00
5) Phenol-d6	7.009	99	248	0.031	ng	0.02
8) Nitrobenzene-d5	9.014	82	173	0.024	ng	0.03
11) 2-Methylnaphthalene-d10	12.231	152	682	0.049	ng	0.00
14) 2,4,6-Tribromophenol	15.964	330	142	0.039	ng	0.01
15) 2-Fluorobiphenyl	13.095	172	942	0.037	ng	0.00
27) Fluoranthene-d10	19.236	212	1836	0.042	ng	0.00
31) Terphenyl-d14	19.830	244	1217	0.038	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.680	128	1237	0.053	ng	# 76
12) 2-Methylnaphthalene	12.306	142	819	0.050	ng	# 92
16) Acenaphthylene	14.185	152	1967	0.065	ng	99
17) Acenaphthene	14.527	154	679	0.034	ng	98
18) Fluorene	15.522	166	570	0.022	ng	94
25) Phenanthrene	17.246	178	16442	0.358	ng	100
26) Anthracene	17.338	178	3522	0.087	ng	# 95
28) Fluoranthene	19.265	202	42898	0.788	ng	99
30) Pyrene	19.628	202	38474	0.560	ng	# 95
32) Benzo(a)anthracene	21.378	228	21195	0.389	ng	95
33) Chrysene	21.422	228	23076	0.381	ng	96
34) Bis(2-ethylhexyl)phtha...	21.306	149	1967	0.048	ng	97
36) Indeno(1,2,3-cd)pyrene	26.159	276	13914	0.226	ng	# 86
37) Benzo(b)fluoranthene	23.024	252	31914	0.554	ng	93
39) Benzo(a)pyrene	23.635	252	19506	0.377	ng	96
40) Dibenzo(a,h)anthracene	26.170	278	2749	0.058	ng	# 50
41) Benzo(g,h,i)perylene	26.904	276	15476	0.271	ng	97

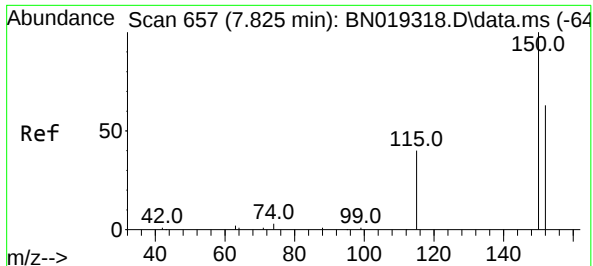
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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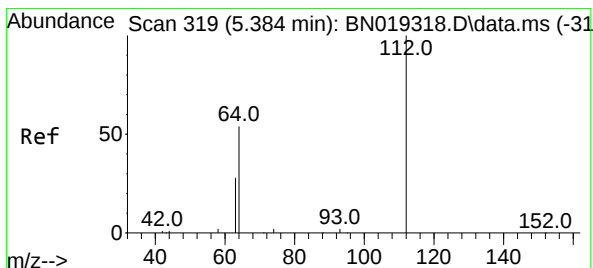
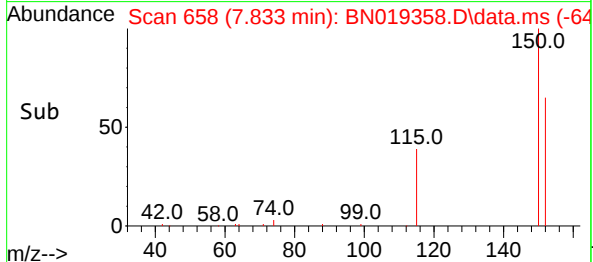
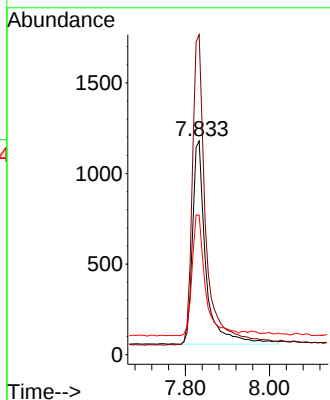
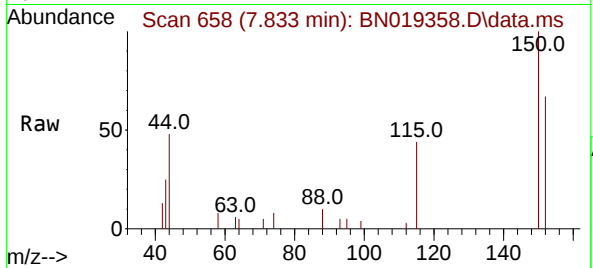




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.833 min Scan# 61
Delta R.T. 0.008 min
Lab File: BN019358.D
Acq: 05 Apr 2022 20:05

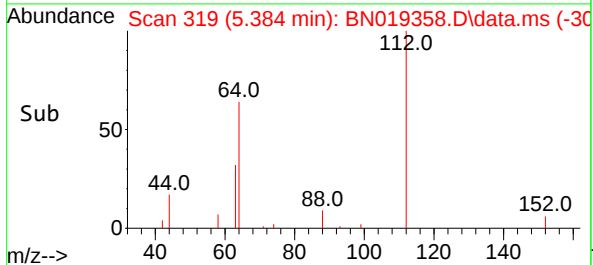
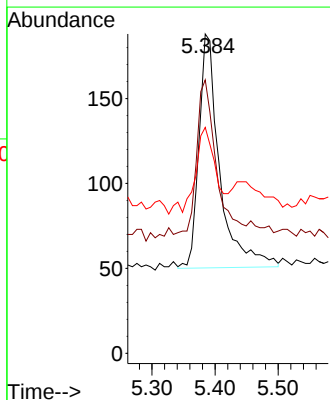
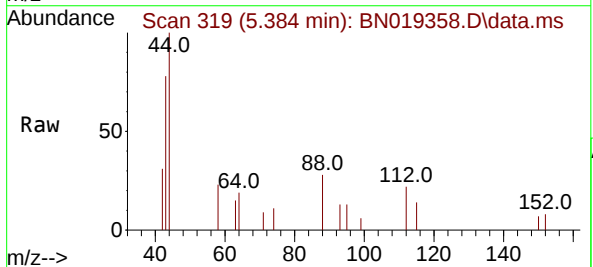
Instrument :
BNA_N
ClientSampleId :
A05015

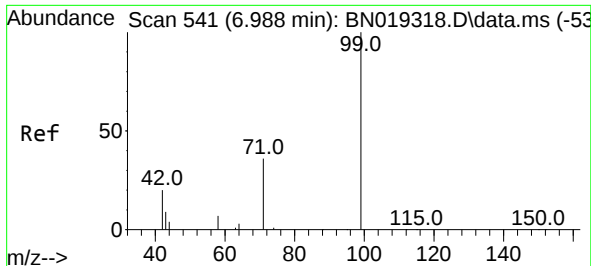
Tgt Ion:152 Resp: 2486
Ion Ratio Lower Upper
152 100
150 149.8 123.9 185.9
115 65.3 48.2 72.4



#4
2-Fluorophenol
Concen: 0.047 ng
RT: 5.384 min Scan# 319
Delta R.T. 0.000 min
Lab File: BN019358.D
Acq: 05 Apr 2022 20:05

Tgt Ion:112 Resp: 315
Ion Ratio Lower Upper
112 100
64 59.4 47.8 71.8
63 35.2 25.7 38.5

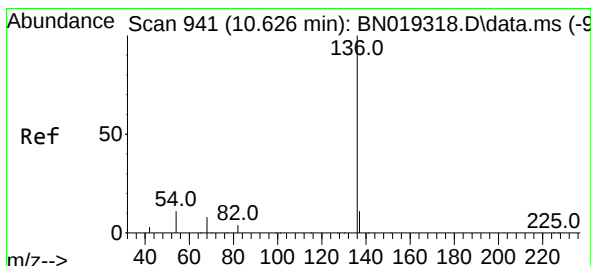
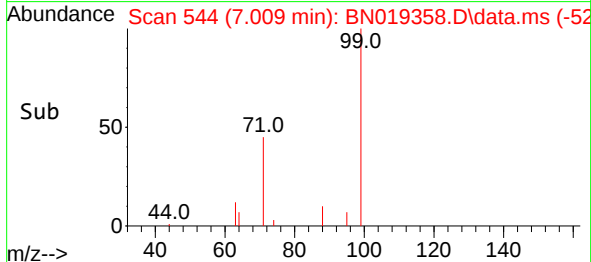
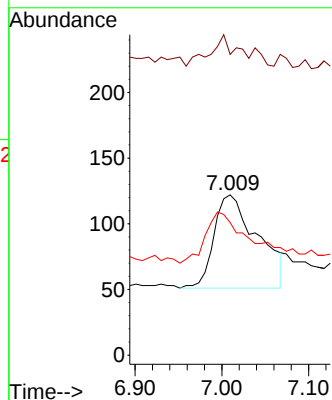
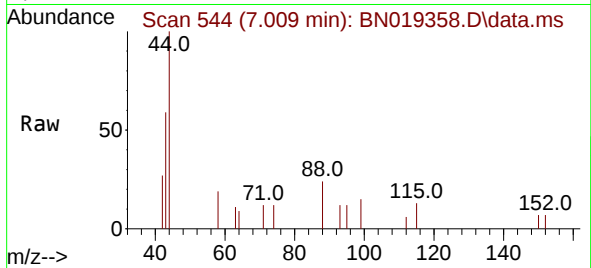




#5
Phenol-d6
Concen: 0.031 ng
RT: 7.009 min Scan# 541
Delta R.T. 0.022 min
Lab File: BN019358.D
Acq: 05 Apr 2022 20:05

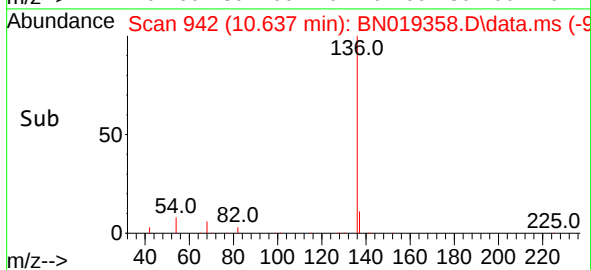
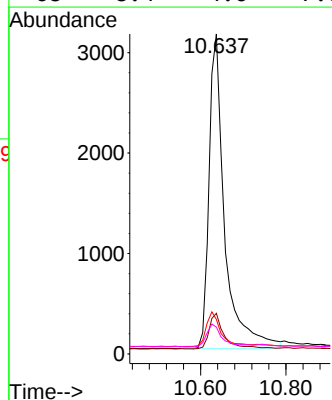
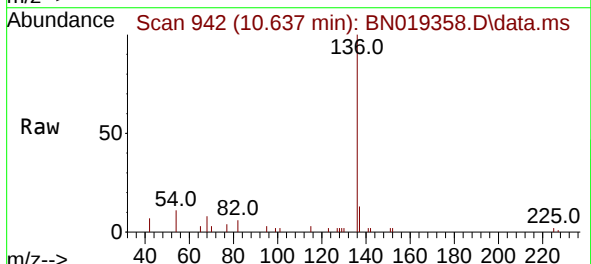
Instrument :
BNA_N
ClientSampleId :
A05015

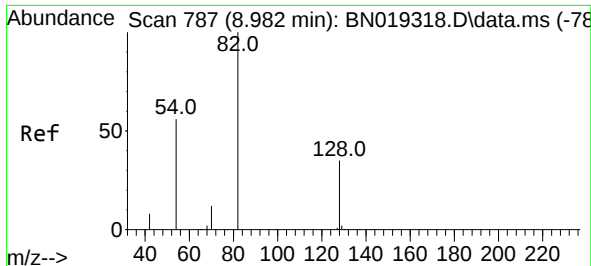
Tgt Ion: 99 Resp: 248
Ion Ratio Lower Upper
99 100
42 23.8 16.2 24.4
71 52.0 27.7 41.5#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 942
Delta R.T. 0.011 min
Lab File: BN019358.D
Acq: 05 Apr 2022 20:05

Tgt Ion: 136 Resp: 7957
Ion Ratio Lower Upper
136 100
137 12.7 9.0 13.4
54 10.8 5.8 8.6#
68 8.4 4.6 7.0#

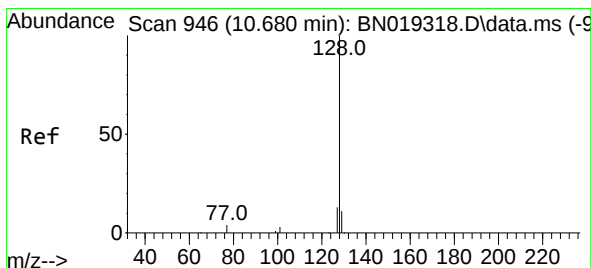
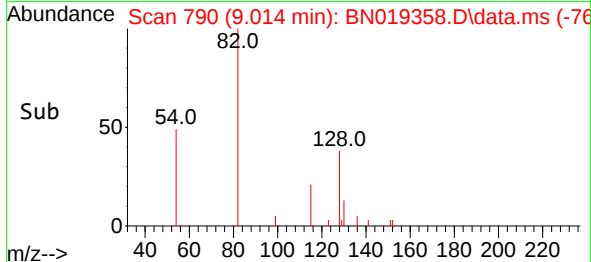
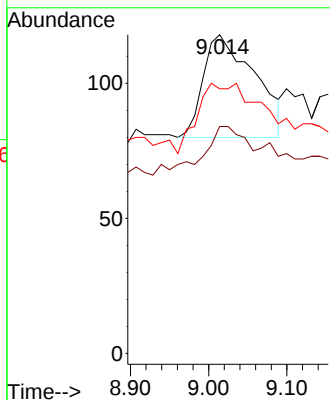
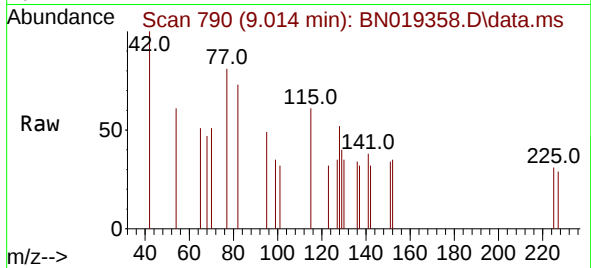




#8
Nitrobenzene-d5
Concen: 0.024 ng
RT: 9.014 min Scan# 790
Delta R.T. 0.032 min
Lab File: BN019358.D
Acq: 05 Apr 2022 20:05

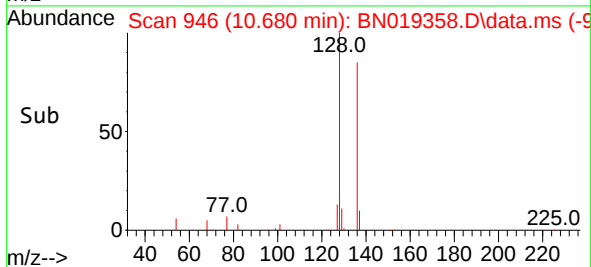
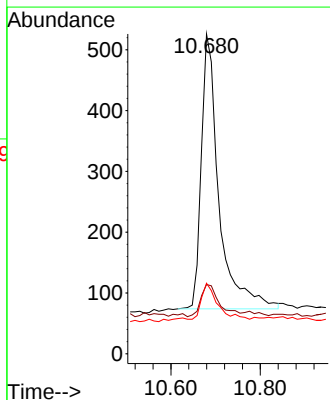
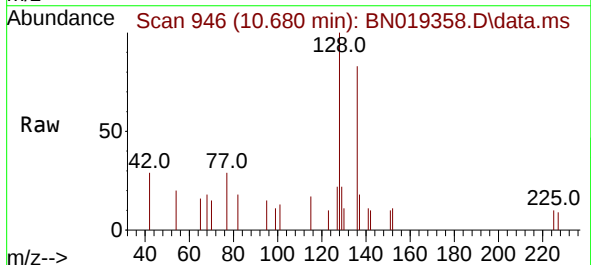
Instrument :
BNA_N
ClientSampleId :
A05015

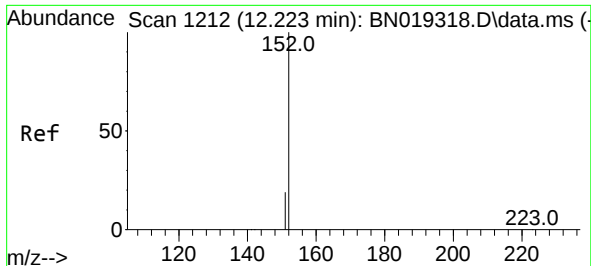
Tgt Ion: 82 Resp: 173
Ion Ratio Lower Upper
82 100
128 71.2 33.0 49.6#
54 83.1 42.5 63.7#



#9
Naphthalene
Concen: 0.053 ng
RT: 10.680 min Scan# 946
Delta R.T. 0.000 min
Lab File: BN019358.D
Acq: 05 Apr 2022 20:05

Tgt Ion: 128 Resp: 1237
Ion Ratio Lower Upper
128 100
129 21.7 9.0 13.4#
127 22.1 10.7 16.1#





#11

2-Methylnaphthalene-d10

Concen: 0.049 ng

RT: 12.231 min Scan# 1214

Delta R.T. 0.008 min

Lab File: BN019358.D

Acq: 05 Apr 2022 20:05

Instrument :

BNA_N

ClientSampleId :

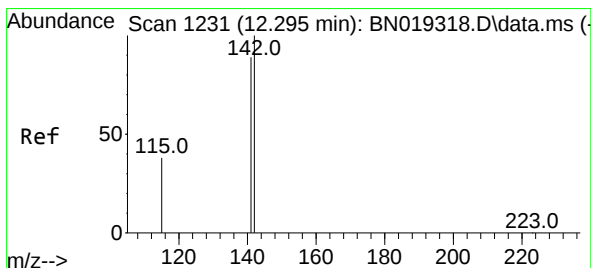
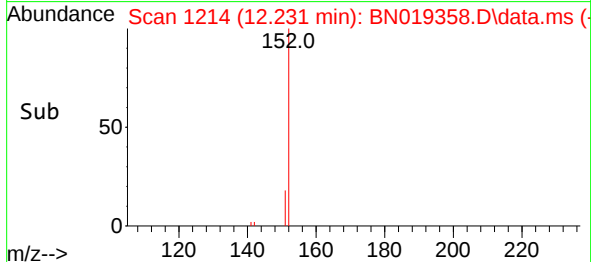
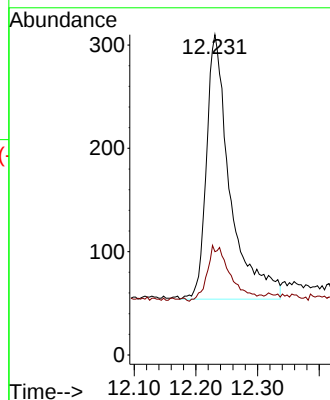
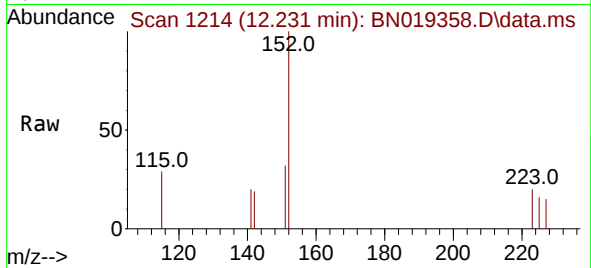
A05015

Tgt Ion:152 Resp: 682

Ion Ratio Lower Upper

152 100

151 20.8 16.5 24.7



#12

2-Methylnaphthalene

Concen: 0.050 ng

RT: 12.306 min Scan# 1234

Delta R.T. 0.011 min

Lab File: BN019358.D

Acq: 05 Apr 2022 20:05

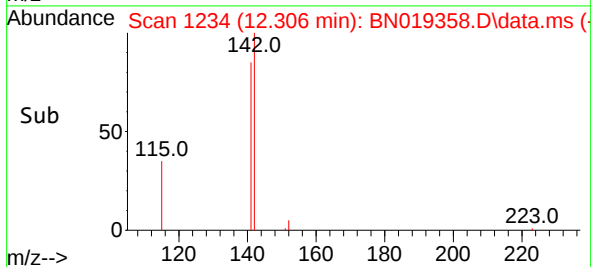
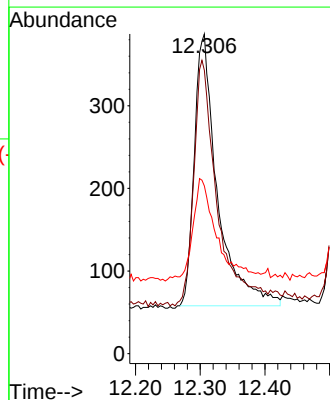
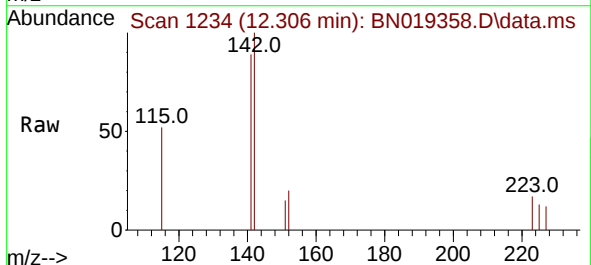
Tgt Ion:142 Resp: 819

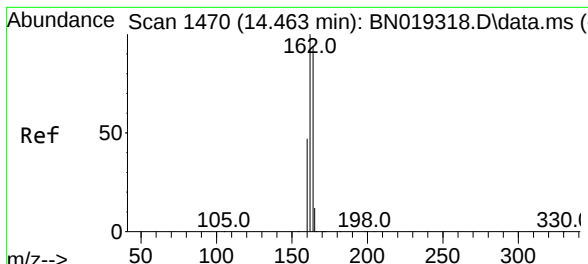
Ion Ratio Lower Upper

142 100

141 88.6 70.0 105.0

115 52.5 29.8 44.8#

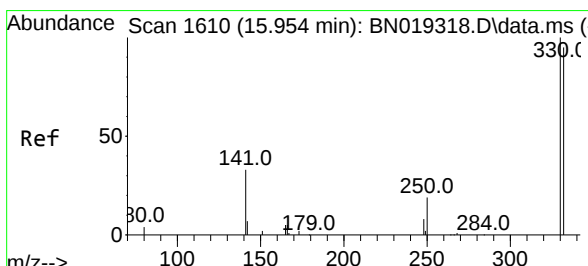
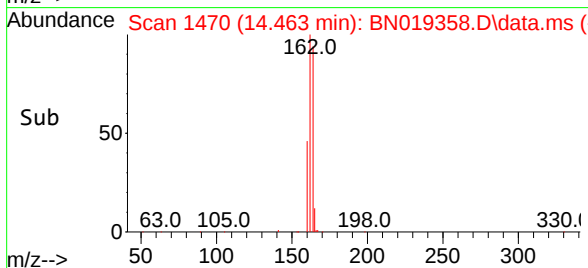
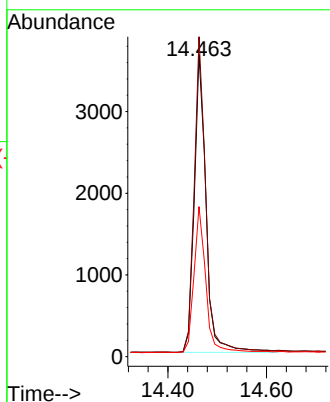
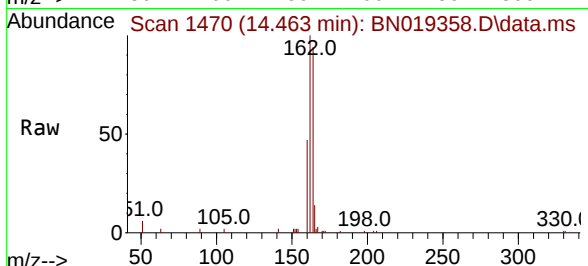




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.463 min Scan# 1470
Delta R.T. 0.000 min
Lab File: BN019358.D
Acq: 05 Apr 2022 20:05

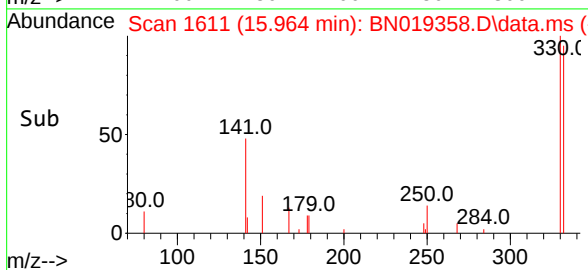
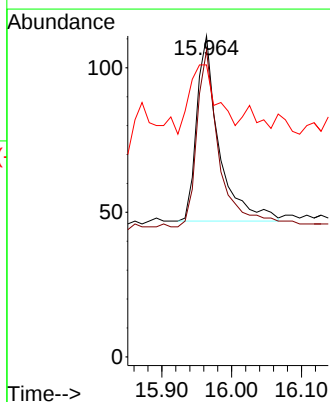
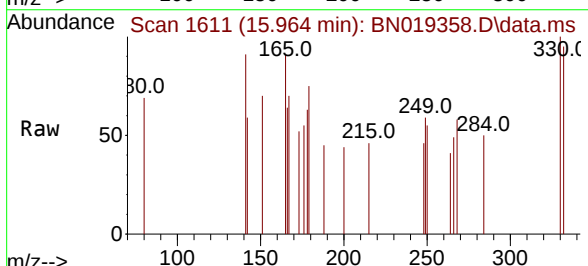
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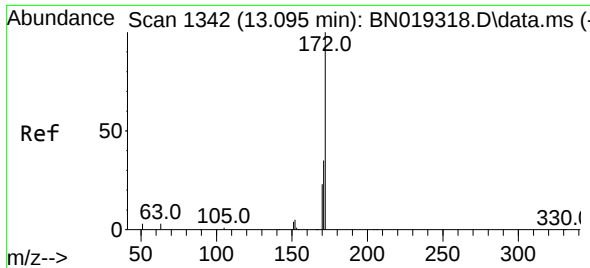
Tgt Ion:	164	Resp:	6052
Ion Ratio	Lower	Upper	
164	100		
162	105.8	85.2	127.8
160	49.6	41.5	62.3



#14
2,4,6-Tribromophenol
Concen: 0.039 ng
RT: 15.964 min Scan# 1611
Delta R.T. 0.010 min
Lab File: BN019358.D
Acq: 05 Apr 2022 20:05

Tgt Ion:	330	Resp:	142
Ion Ratio	Lower	Upper	
330	100		
332	95.1	76.8	115.2
141	46.5	32.2	48.2

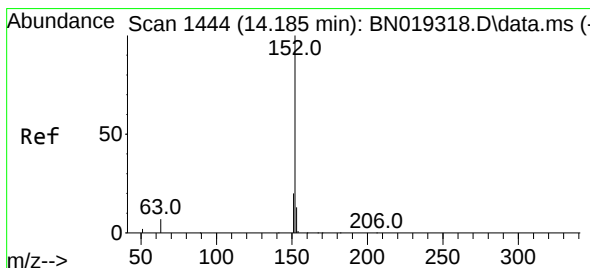
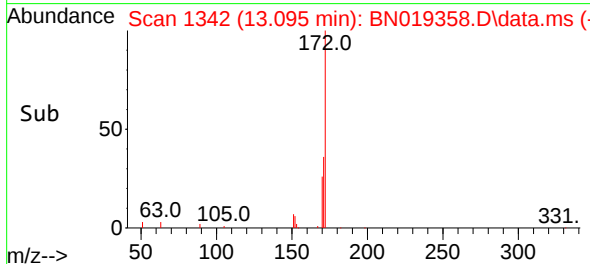
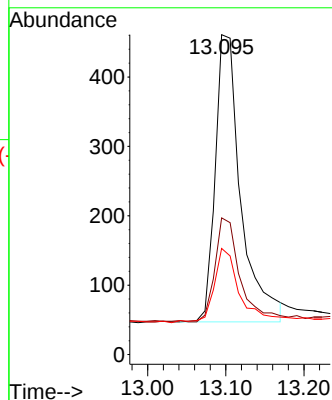
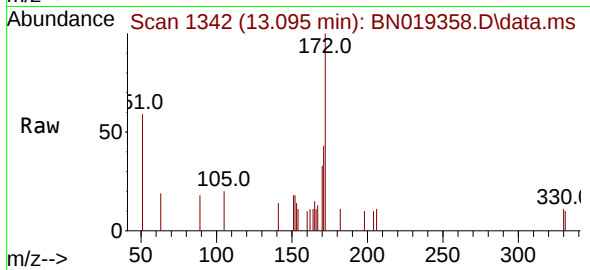




#15
2-Fluorobiphenyl
Concen: 0.037 ng
RT: 13.095 min Scan# 1342
Delta R.T. 0.000 min
Lab File: BN019358.D
Acq: 05 Apr 2022 20:05

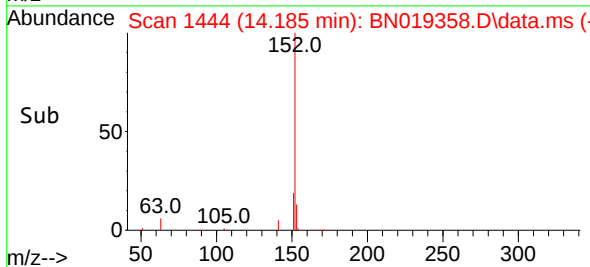
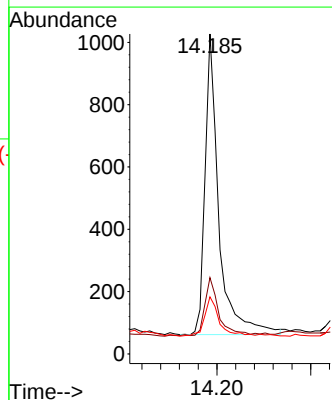
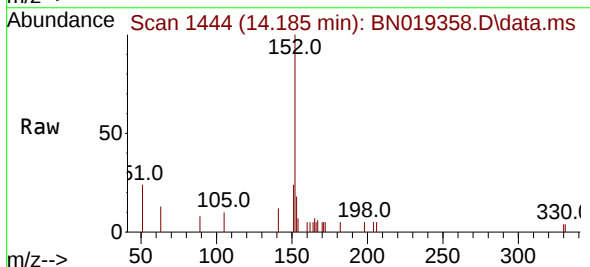
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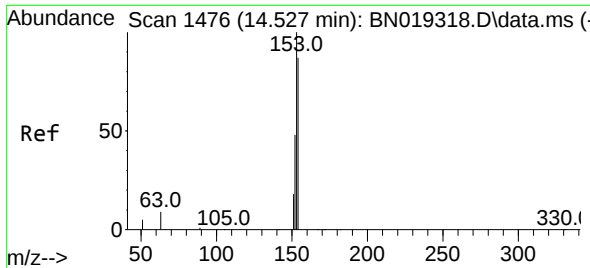
Tgt Ion:	172	Resp:	942
Ion	Ratio	Lower	Upper
172	100		
171	42.7	28.2	42.2#
170	33.2	18.7	28.1#



#16
Acenaphthylene
Concen: 0.065 ng
RT: 14.185 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BN019358.D
Acq: 05 Apr 2022 20:05

Tgt Ion:	152	Resp:	1967
Ion	Ratio	Lower	Upper
152	100		
151	20.6	15.9	23.9
153	13.7	10.6	15.8

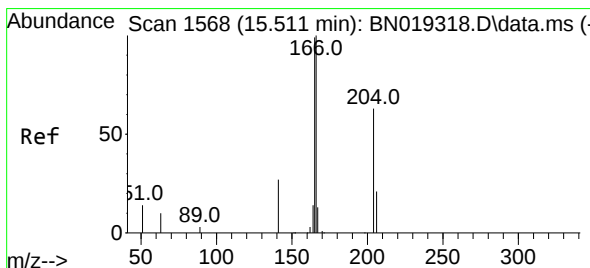
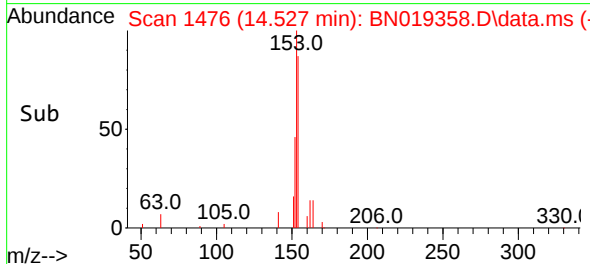
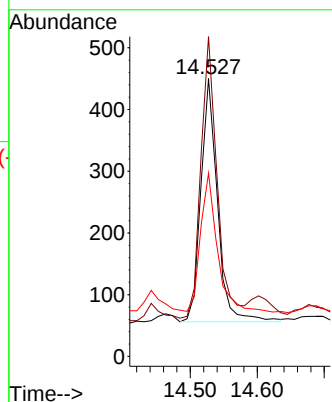
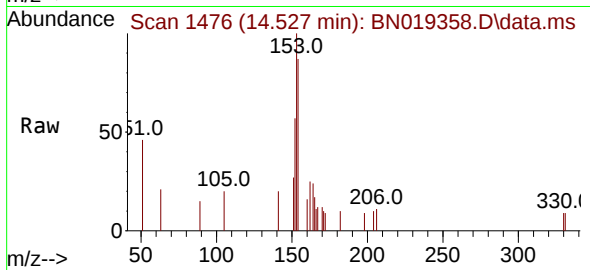




#17
Acenaphthene
Concen: 0.034 ng
RT: 14.527 min Scan# 1476
Delta R.T. 0.000 min
Lab File: BN019358.D
Acq: 05 Apr 2022 20:05

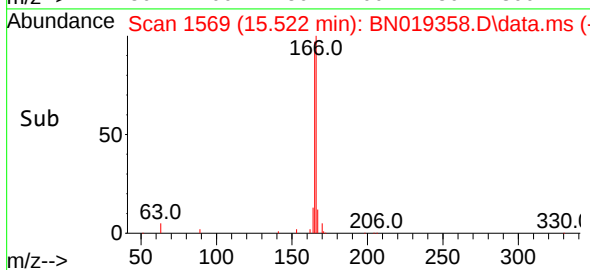
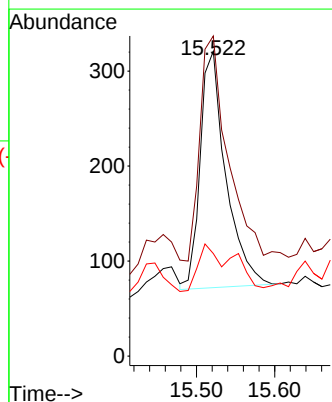
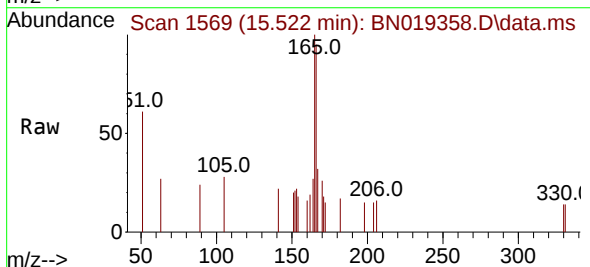
Instrument :
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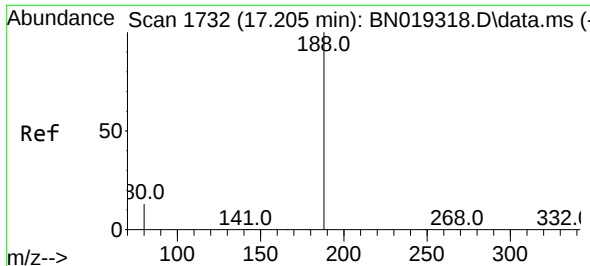
Tgt Ion:154 Resp: 679
Ion Ratio Lower Upper
154 100
153 113.4 89.7 134.5
152 59.1 44.7 67.1



#18
Fluorene
Concen: 0.022 ng
RT: 15.522 min Scan# 1569
Delta R.T. 0.011 min
Lab File: BN019358.D
Acq: 05 Apr 2022 20:05

Tgt Ion:166 Resp: 570
Ion Ratio Lower Upper
166 100
165 105.3 79.2 118.8
167 15.8 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: BN019358.D

Acq: 05 Apr 2022 20:05

Instrument :

BNA_N

ClientSampleId :

A05015

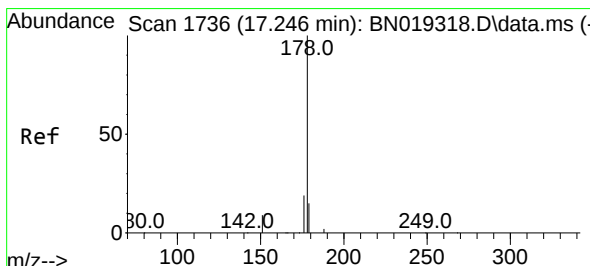
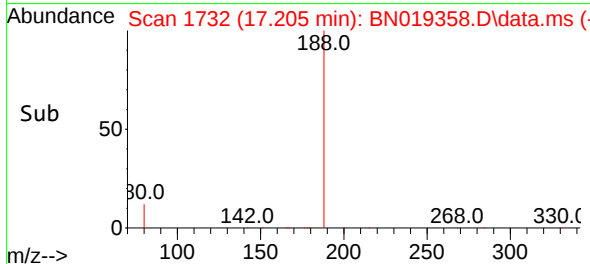
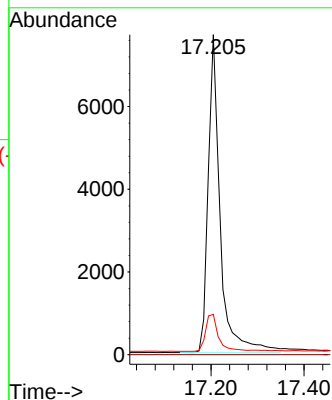
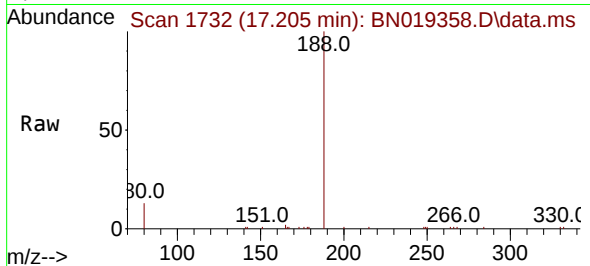
Tgt Ion:188 Resp: 13685

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.6 11.8 17.8



#25

Phenanthrene

Concen: 0.358 ng

RT: 17.246 min Scan# 1736

Delta R.T. 0.000 min

Lab File: BN019358.D

Acq: 05 Apr 2022 20:05

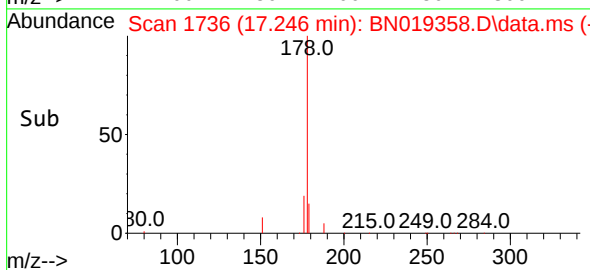
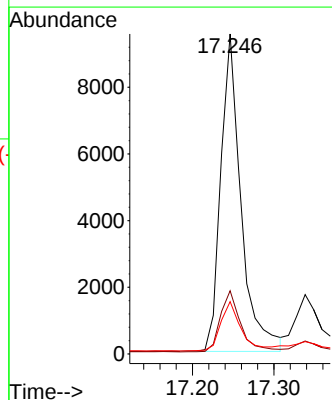
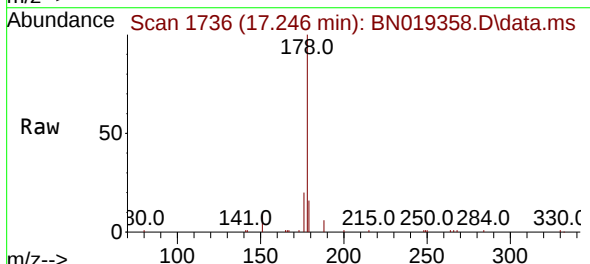
Tgt Ion:178 Resp: 16442

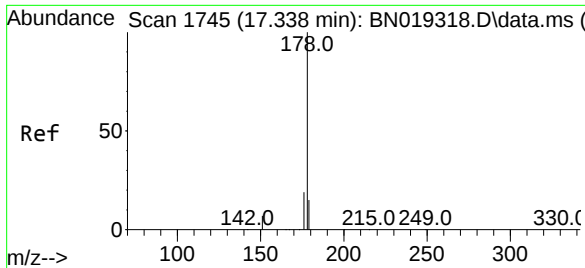
Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.0

179 15.3 12.2 18.2

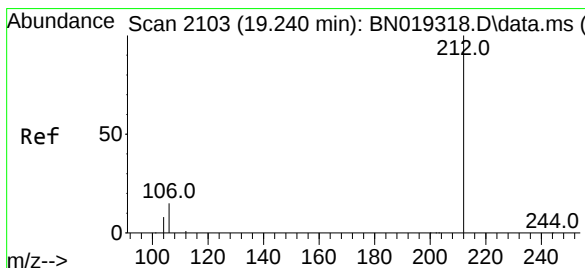
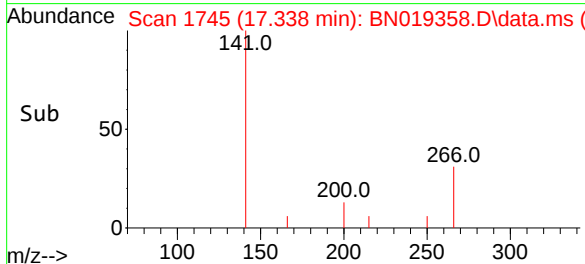
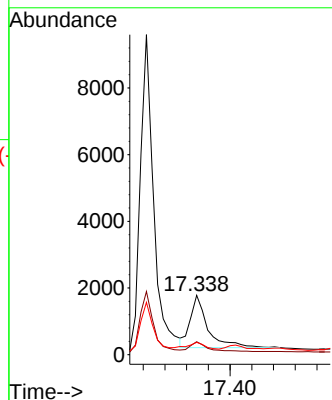
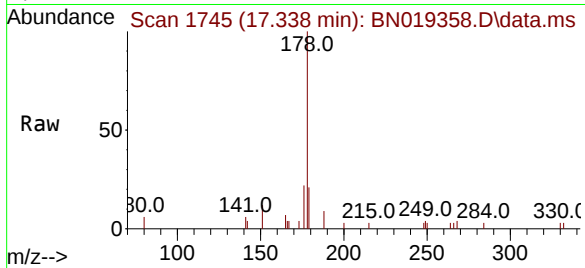




#26
 Anthracene
 Concen: 0.087 ng
 RT: 17.338 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN019358.D
 Acq: 05 Apr 2022 20:05

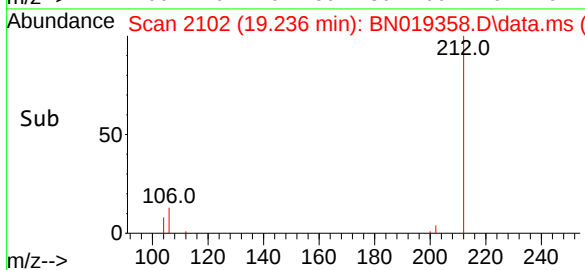
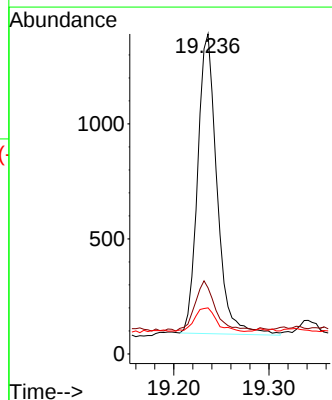
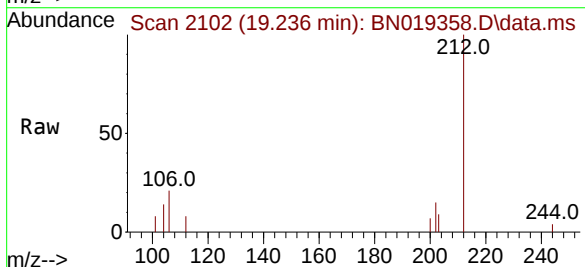
Instrument :
 BNA_N
 ClientSampleId :
 A05015

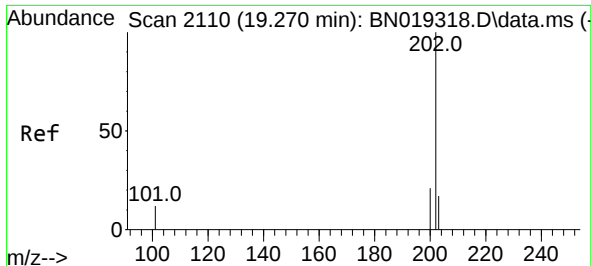
Tgt Ion:178 Resp: 3522
 Ion Ratio Lower Upper
 178 100
 176 18.0 14.8 22.2
 179 11.6 12.2 18.4#



#27
 Fluoranthene-d10
 Concen: 0.042 ng
 RT: 19.236 min Scan# 2102
 Delta R.T. -0.004 min
 Lab File: BN019358.D
 Acq: 05 Apr 2022 20:05

Tgt Ion:212 Resp: 1836
 Ion Ratio Lower Upper
 212 100
 106 17.7 12.7 19.1
 104 9.2 7.1 10.7

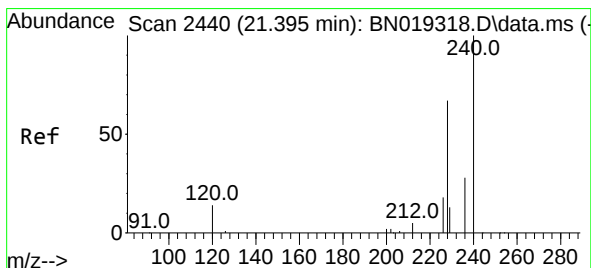
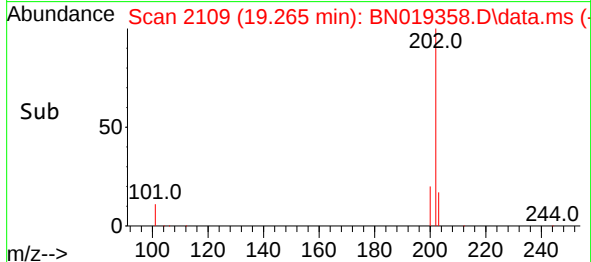
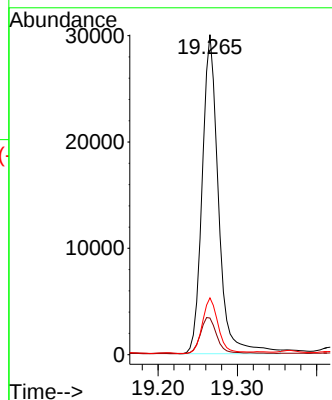
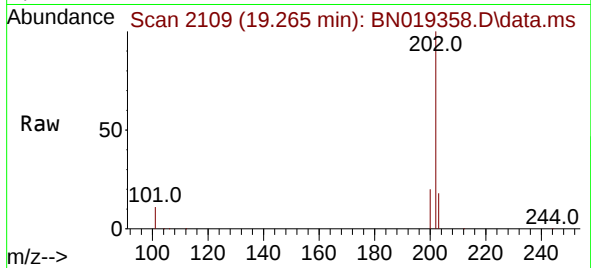




#28
Fluoranthene
Concen: 0.788 ng
RT: 19.265 min Scan# 2110
Delta R.T. -0.004 min
Lab File: BN019358.D
Acq: 05 Apr 2022 20:05

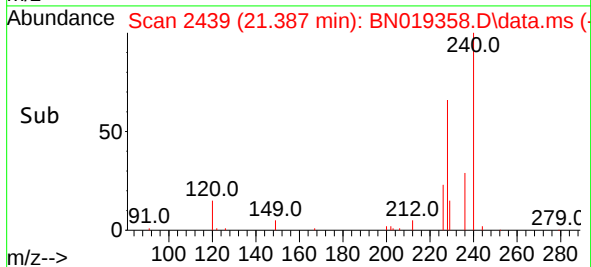
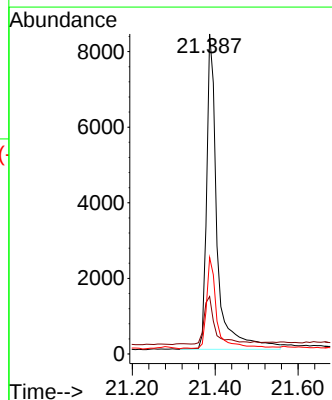
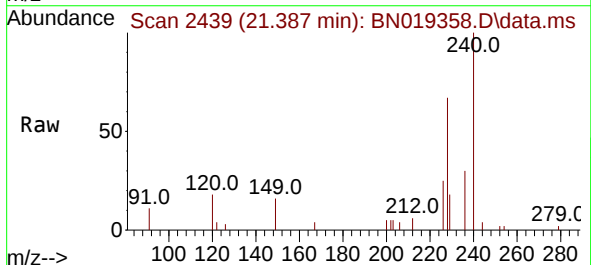
Instrument :
BNA_N
ClientSampleId :
A05015

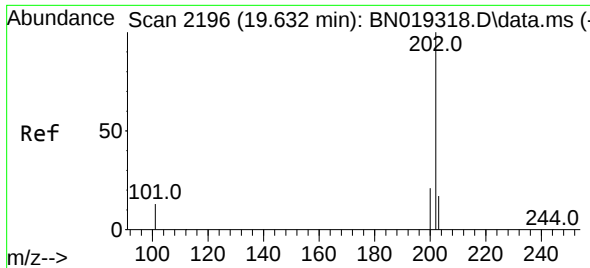
Tgt Ion:202 Resp: 42898
Ion Ratio Lower Upper
202 100
101 11.9 9.8 14.6
203 17.0 13.7 20.5



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.387 min Scan# 2439
Delta R.T. -0.009 min
Lab File: BN019358.D
Acq: 05 Apr 2022 20:05

Tgt Ion:240 Resp: 14763
Ion Ratio Lower Upper
240 100
120 17.9 8.5 12.7#
236 30.2 22.4 33.6

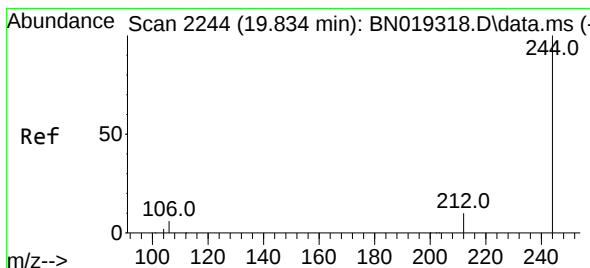
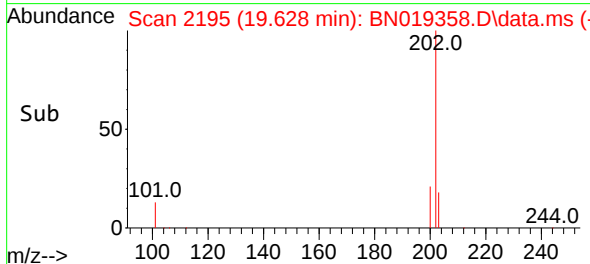
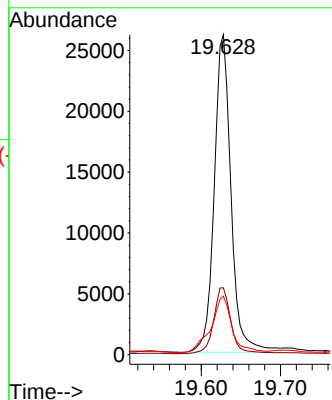
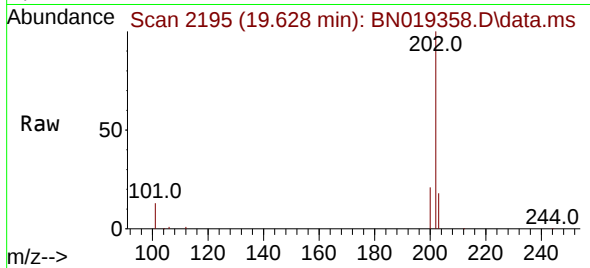




#30
Pyrene
Concen: 0.560 ng
RT: 19.628 min Scan# 2196
Delta R.T. -0.004 min
Lab File: BN019358.D
Acq: 05 Apr 2022 20:05

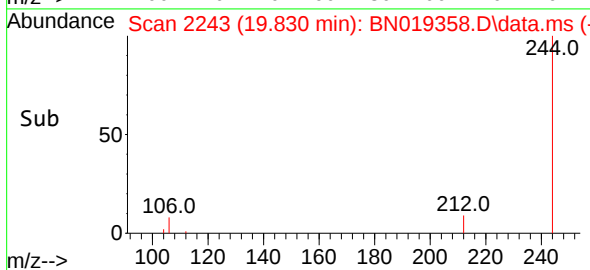
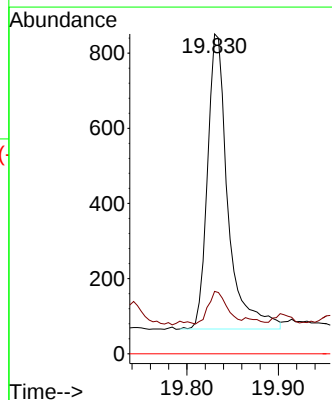
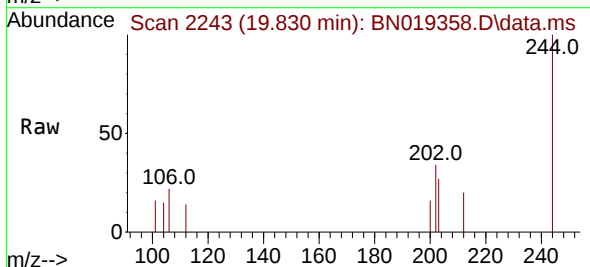
Instrument :
BNA_N
ClientSampleId :
A05015

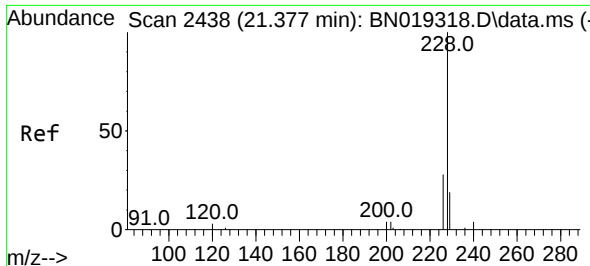
Tgt Ion:202 Resp: 38474
Ion Ratio Lower Upper
202 100
200 21.6 16.9 25.3
203 21.9 14.2 21.2#



#31
Terphenyl-d14
Concen: 0.038 ng
RT: 19.830 min Scan# 2243
Delta R.T. -0.004 min
Lab File: BN019358.D
Acq: 05 Apr 2022 20:05

Tgt Ion:244 Resp: 1217
Ion Ratio Lower Upper
244 100
212 19.5 8.2 12.4#
122 0.0 0.0 0.0

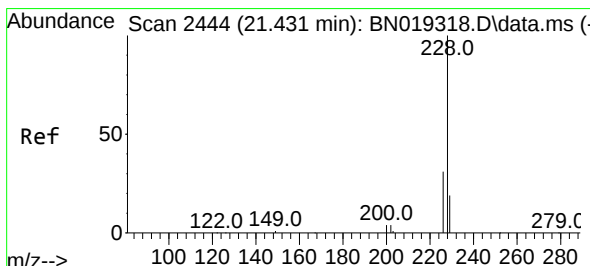
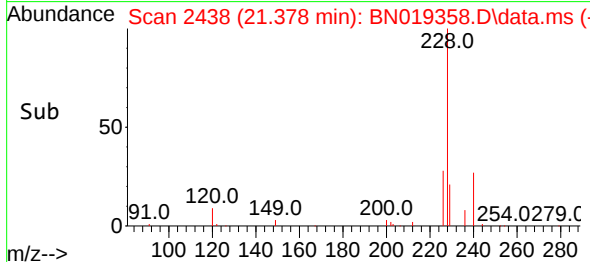
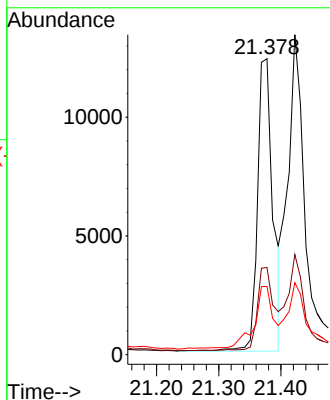
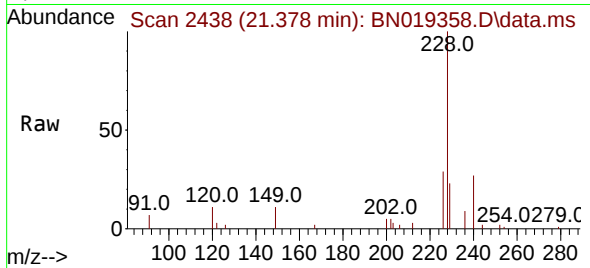




#32
Benzo(a)anthracene
Concen: 0.389 ng
RT: 21.378 min Scan# 2438
Delta R.T. 0.000 min
Lab File: BN019358.D
Acq: 05 Apr 2022 20:05

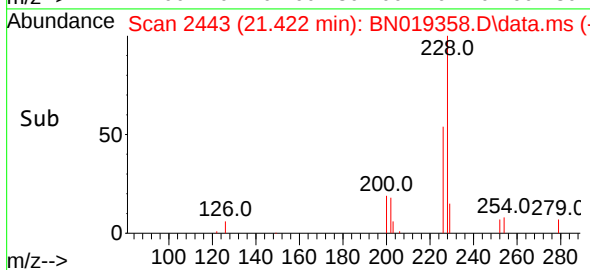
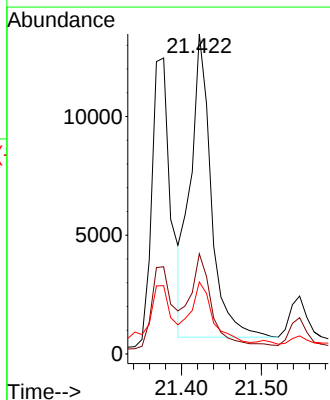
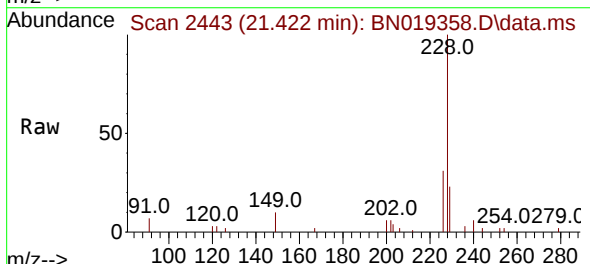
Instrument :
BNA_N
ClientSampleId :
A05015

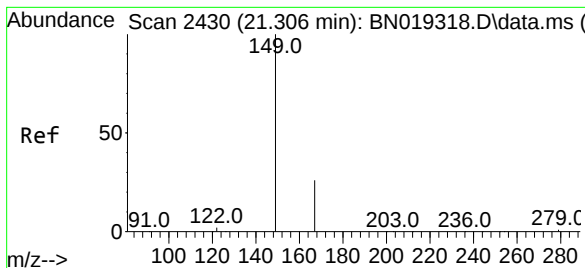
Tgt Ion:228 Resp: 21195
Ion Ratio Lower Upper
228 100
226 29.4 21.9 32.9
229 23.1 16.0 24.0



#33
Chrysene
Concen: 0.381 ng
RT: 21.422 min Scan# 2443
Delta R.T. -0.009 min
Lab File: BN019358.D
Acq: 05 Apr 2022 20:05

Tgt Ion:228 Resp: 23076
Ion Ratio Lower Upper
228 100
226 31.3 24.0 36.0
229 22.5 15.9 23.9

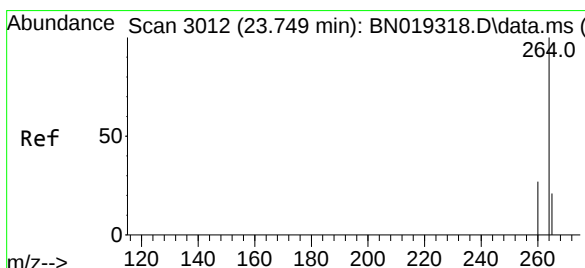
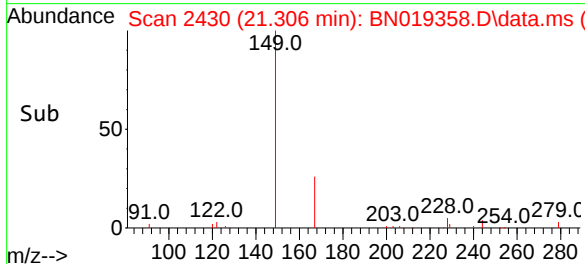
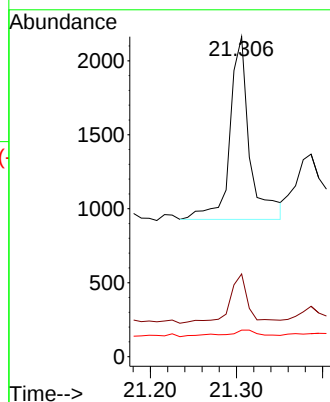
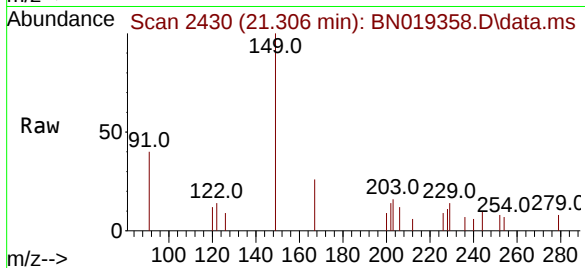




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.048 ng
 RT: 21.306 min Scan# 2430
 Delta R.T. 0.000 min
 Lab File: BN019358.D
 Acq: 05 Apr 2022 20:05

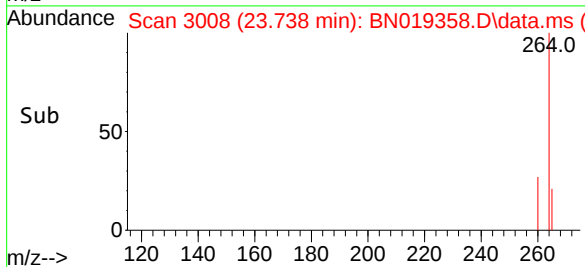
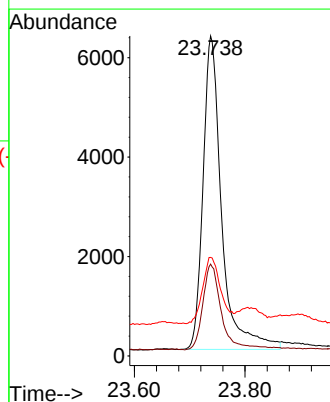
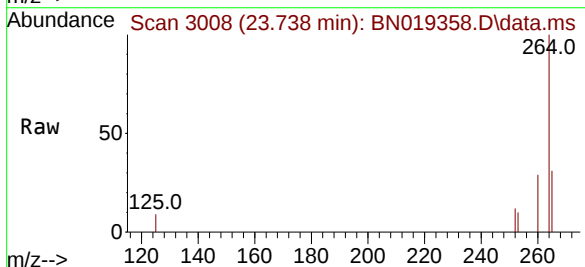
Instrument :
 BNA_N
 ClientSampleId :
 A05015

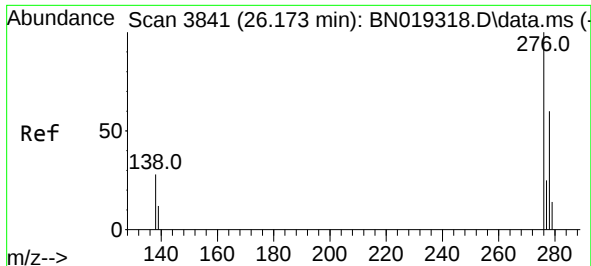
Tgt Ion:149 Resp: 1967
 Ion Ratio Lower Upper
 149 100
 167 25.7 21.8 32.8
 279 2.9 2.0 3.0



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.738 min Scan# 3008
 Delta R.T. -0.012 min
 Lab File: BN019358.D
 Acq: 05 Apr 2022 20:05

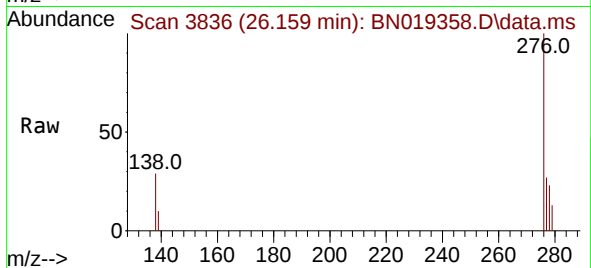
Tgt Ion:264 Resp: 14712
 Ion Ratio Lower Upper
 264 100
 260 28.7 22.4 33.6
 265 30.8 25.3 37.9



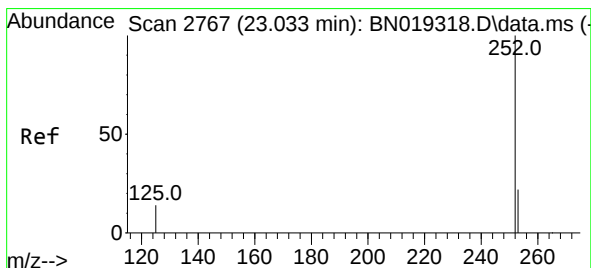
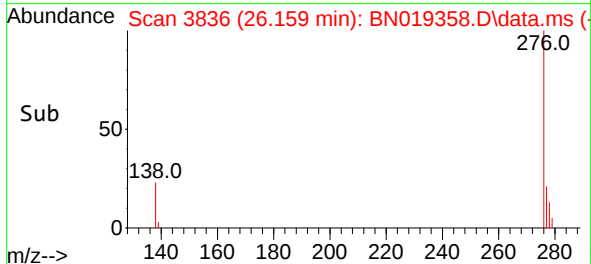
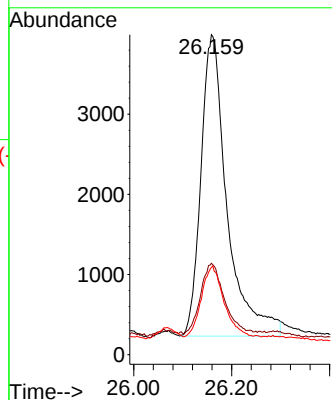


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.226 ng
RT: 26.159 min Scan# 31
Delta R.T. -0.015 min
Lab File: BN019358.D
Acq: 05 Apr 2022 20:05

Instrument :
BNA_N
ClientSampleId :
A05015

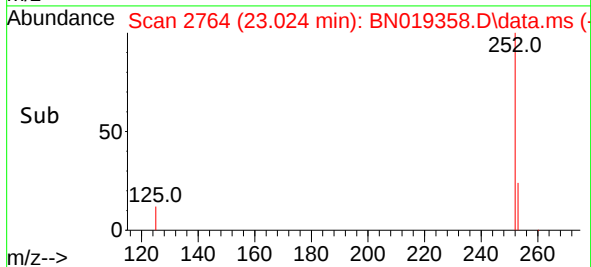
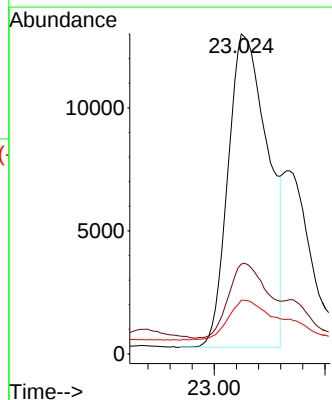
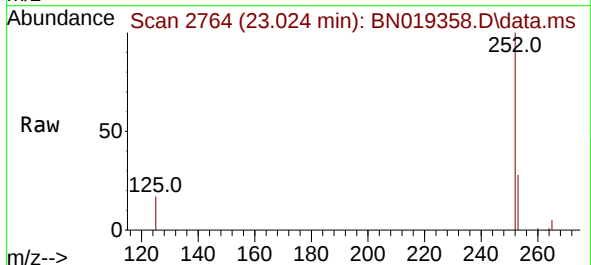


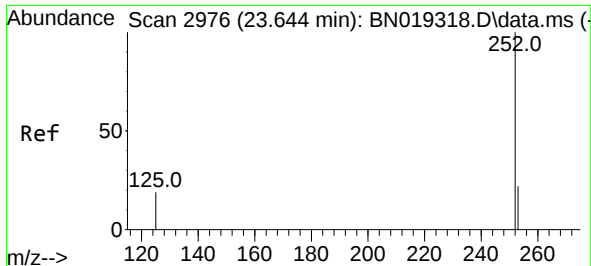
Tgt Ion:276 Resp: 13914
Ion Ratio Lower Upper
276 100
138 21.1 24.5 36.7#
277 20.2 19.8 29.8



#37
Benzo(b)fluoranthene
Concen: 0.554 ng
RT: 23.024 min Scan# 2764
Delta R.T. -0.009 min
Lab File: BN019358.D
Acq: 05 Apr 2022 20:05

Tgt Ion:252 Resp: 31914
Ion Ratio Lower Upper
252 100
253 28.1 18.9 28.3
125 16.8 12.1 18.1





#39

Benzo(a)pyrene

Concen: 0.377 ng

RT: 23.635 min Scan# 2976

Delta R.T. -0.009 min

Lab File: BN019358.D

Acq: 05 Apr 2022 20:05

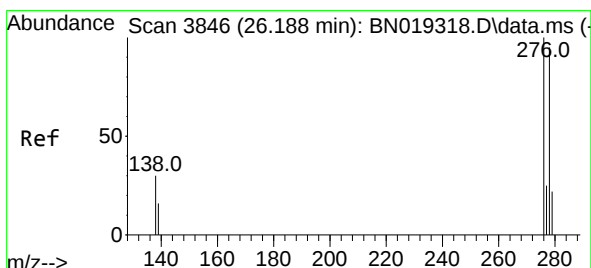
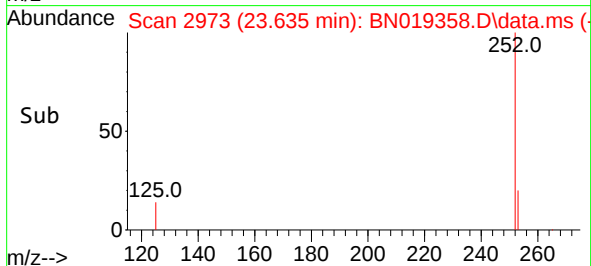
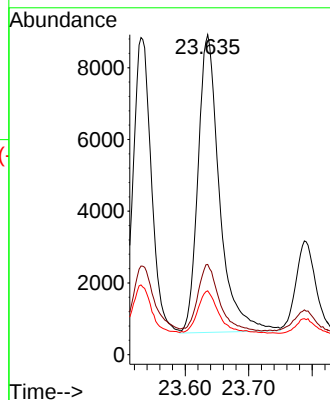
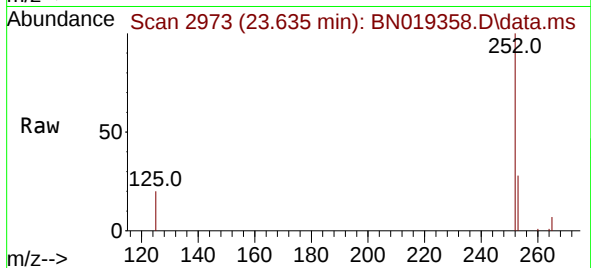
Instrument :

BNA_N

ClientSampleId :

A05015

Tgt Ion:252	Resp:	19506
Ion Ratio	Lower	Upper
252	100	
253	28.2	20.1 30.1
125	19.9	15.2 22.8



#40

Dibenzo(a,h)anthracene

Concen: 0.058 ng

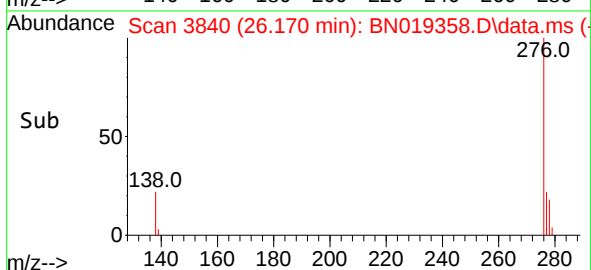
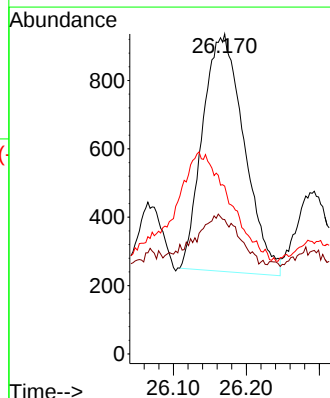
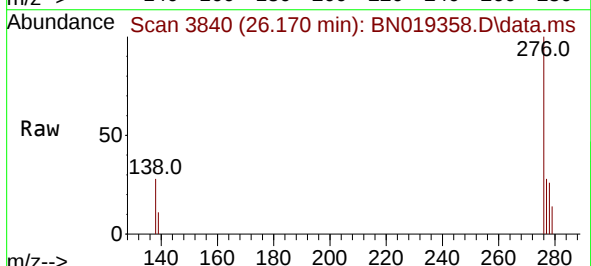
RT: 26.170 min Scan# 3840

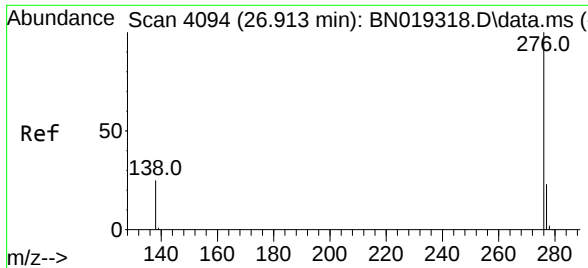
Delta R.T. -0.017 min

Lab File: BN019358.D

Acq: 05 Apr 2022 20:05

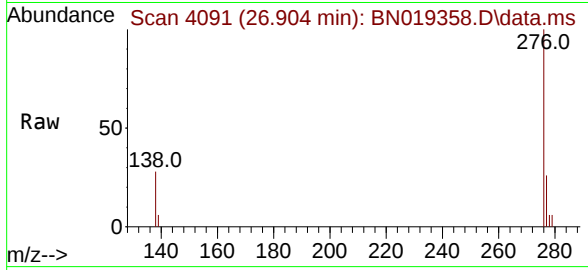
Tgt Ion:278	Resp:	2749
Ion Ratio	Lower	Upper
278	100	
139	42.0	17.2 25.8#
279	52.5	19.9 29.9#





#41
Benzo(g,h,i)perylene
Concen: 0.271 ng
RT: 26.904 min Scan# 4091
Delta R.T. -0.009 min
Lab File: BN019358.D
Acq: 05 Apr 2022 20:05

Instrument :
BNA_N
ClientSampleId :
A05015



Tgt Ion: 276 Resp: 15476

Ion	Ratio	Lower	Upper
276	100		
277	26.1	19.4	29.0
138	27.9	21.0	31.6

