

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050622\
 Data File : BN019699.D
 Acq On : 06 May 2022 14:46
 Operator : CG/JU
 Sample : N2735-01DL 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 38072-120920DL

Quant Time: May 07 00:51:57 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN050422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 04 15:20:22 2022
 Response via : Initial Calibration

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

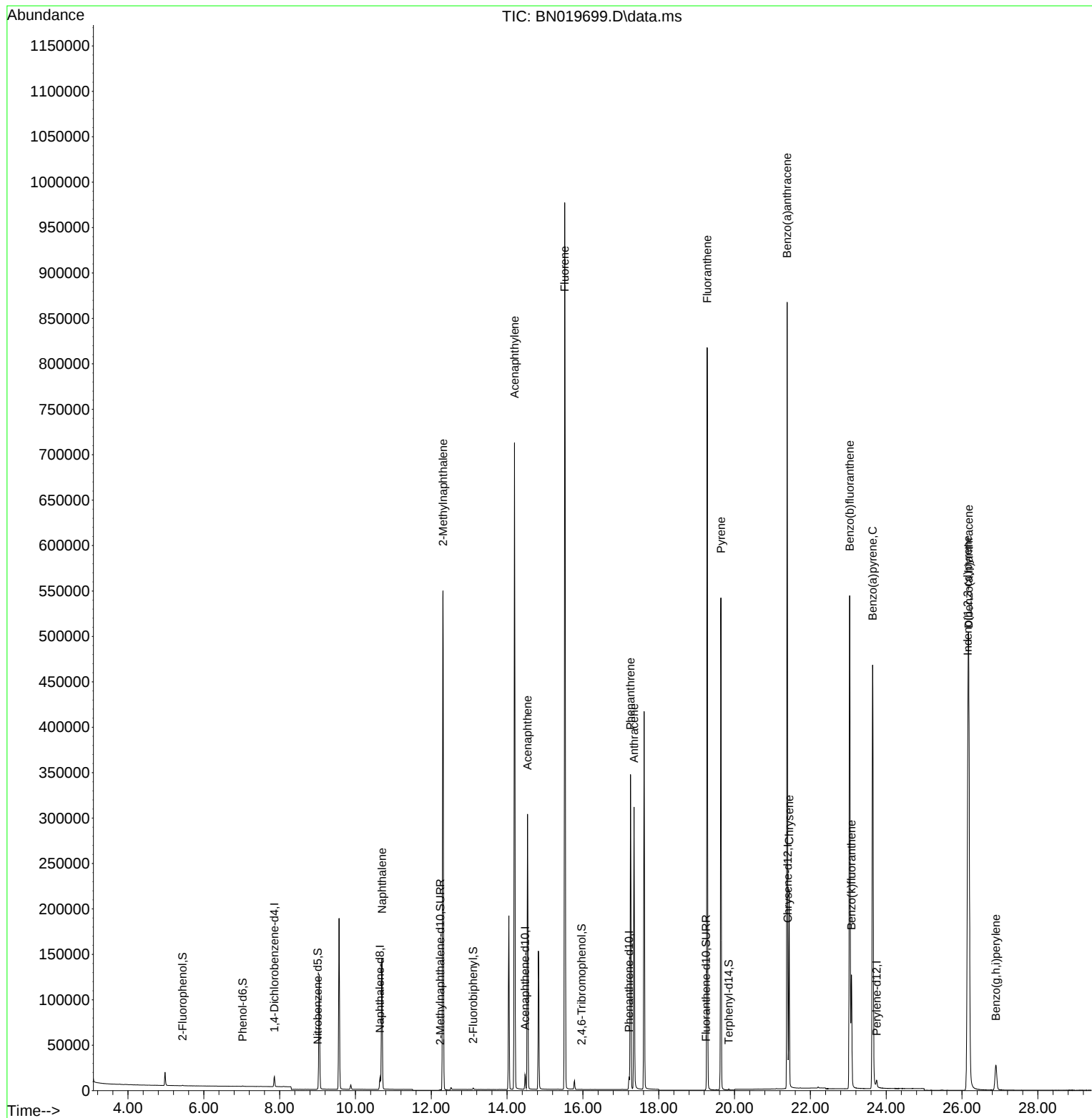
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.862	152	5733	0.400	ng	0.00
7) Naphthalene-d8	10.648	136	17811	0.400	ng	0.00
13) Acenaphthene-d10	14.474	164	9820	0.400	ng	-0.01
19) Phenanthrene-d10	17.215	188	18725	0.400	ng	0.00
29) Chrysene-d12	21.404	240	15350	0.400	ng	# 0.00
35) Perylene-d12	23.750	264	10539	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.442	112	446	0.033	ng	0.00
5) Phenol-d6	7.024	99	513	0.031	ng	0.00
8) Nitrobenzene-d5	9.003	82	491	0.034	ng	0.00
11) 2-Methylnaphthalene-d10	12.235	152	1083	0.037	ng	0.00
14) 2,4,6-Tribromophenol	15.964	330	83	0.023	ng	0.00
15) 2-Fluorobiphenyl	13.105	172	1462	0.035	ng	0.00
27) Fluoranthene-d10	19.249	212	1811	0.035	ng	0.00
31) Terphenyl-d14	19.847	244	1202	0.033	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.701	128	202532	3.975	ng	99
12) 2-Methylnaphthalene	12.310	142	402247	12.038	ng	98
16) Acenaphthylene	14.196	152	746896	15.763	ng	99
17) Acenaphthene	14.538	154	151515	4.648	ng	99
18) Fluorene	15.522	166	610839	15.254	ng	98
25) Phenanthrene	17.256	178	347689	5.604	ng	100
26) Anthracene	17.349	178	322669	6.123	ng	99
28) Fluoranthene	19.278	202	738580	11.392	ng	99
30) Pyrene	19.641	202	489617	7.717	ng	100
32) Benzo(a)anthracene	21.387	228	697155	12.815	ng	99
33) Chrysene	21.440	228	182297	3.065	ng	98
36) Indeno(1,2,3-cd)pyrene	26.156	276	625819	13.066	ng	100
37) Benzo(b)fluoranthene	23.036	252	727566	16.706	ng	# 88
38) Benzo(k)fluoranthene	23.083	252	148562	3.223	ng	# 86
39) Benzo(a)pyrene	23.641	252	704078	21.309	ng	# 82
40) Dibenzo(a,h)anthracene	26.179	278	570246	14.613	ng	93
41) Benzo(g,h,i)perylene	26.895	276	61546	1.593	ng	96

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

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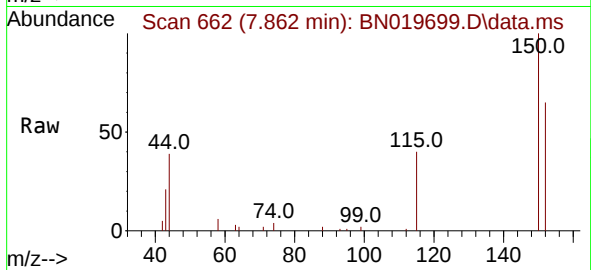
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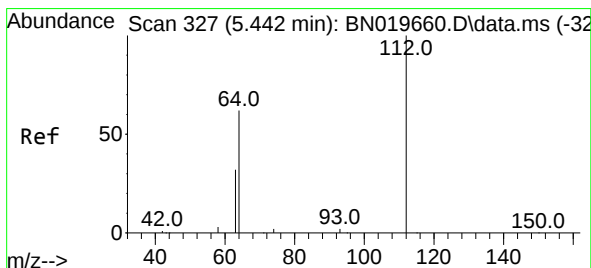
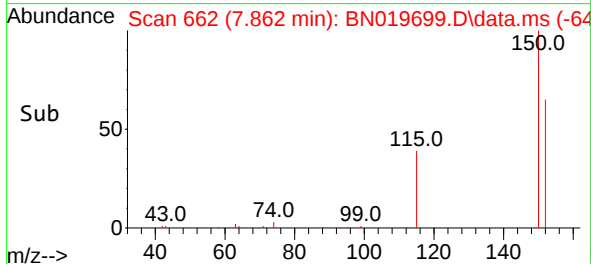
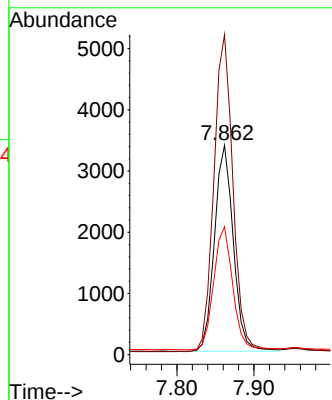
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.862 min Scan# 662
 Delta R.T. -0.000 min
 Lab File: BN019699.D
 Acq: 06 May 2022 14:46

Instrument :
 BNA_N
 ClientSampleId :
 38072-120920DL



Tgt Ion:152 Resp: 5733

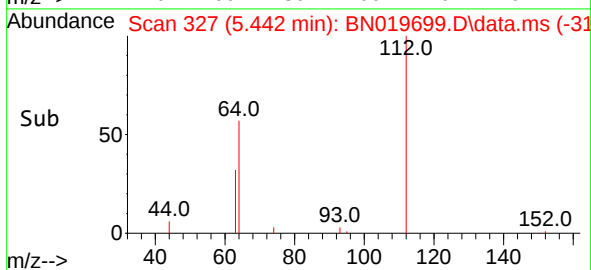
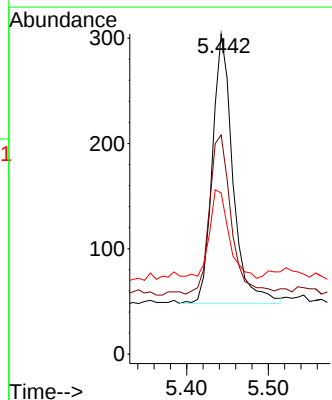
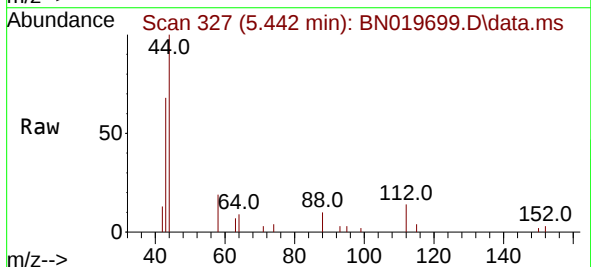
Ion	Ratio	Lower	Upper
152	100		
150	152.8	122.6	183.8
115	61.0	49.0	73.6

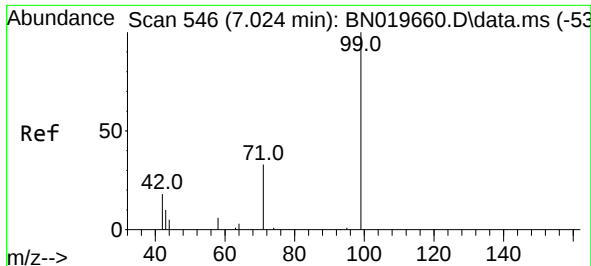


#4
 2-Fluorophenol
 Concen: 0.033 ng
 RT: 5.442 min Scan# 327
 Delta R.T. 0.000 min
 Lab File: BN019699.D
 Acq: 06 May 2022 14:46

Tgt Ion:112 Resp: 446

Ion	Ratio	Lower	Upper
112	100		
64	63.0	47.3	70.9
63	31.8	24.6	36.8

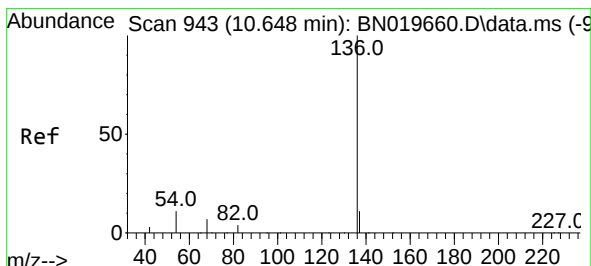
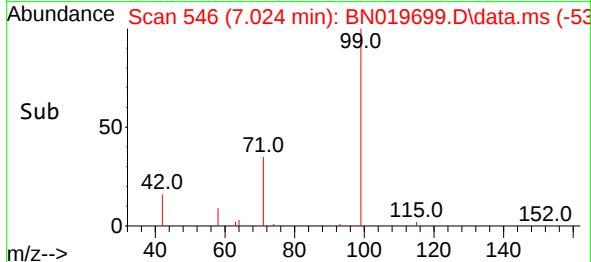
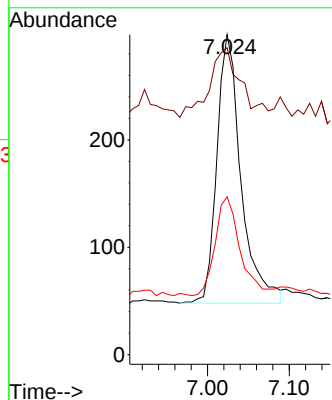
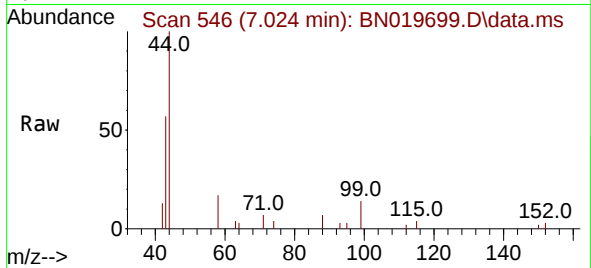




#5
Phenol-d6
Concen: 0.031 ng
RT: 7.024 min Scan# 546
Delta R.T. 0.000 min
Lab File: BN019699.D
Acq: 06 May 2022 14:46

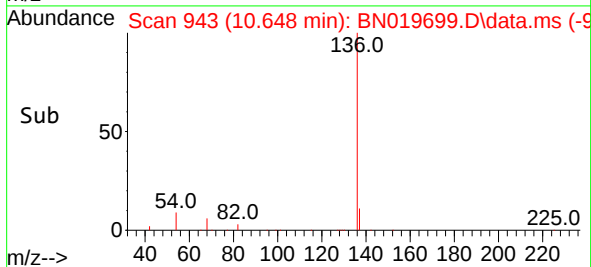
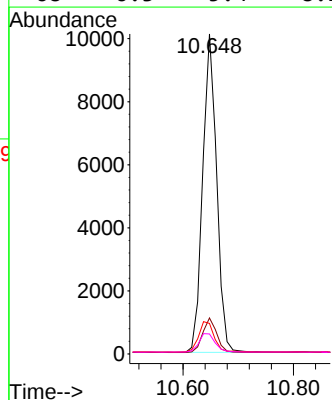
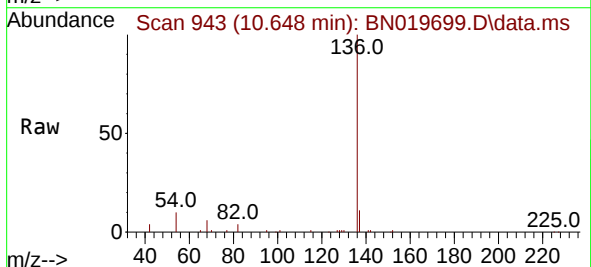
Instrument :
BNA_N
ClientSampleId :
38072-120920DL

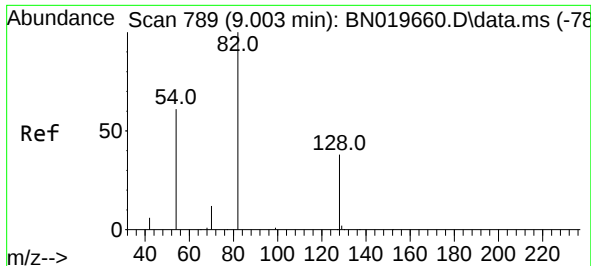
Tgt Ion: 99 Resp: 513
Ion Ratio Lower Upper
99 100
42 33.3 15.8 23.8#
71 37.6 26.5 39.7



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.648 min Scan# 943
Delta R.T. 0.000 min
Lab File: BN019699.D
Acq: 06 May 2022 14:46

Tgt Ion: 136 Resp: 17811
Ion Ratio Lower Upper
136 100
137 11.2 9.1 13.7
54 9.6 7.8 11.6
68 6.3 5.4 8.2

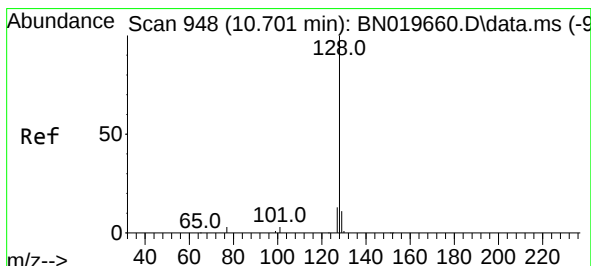
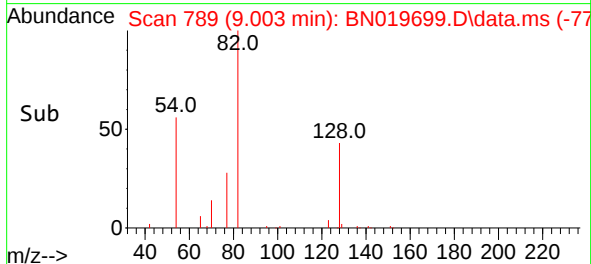
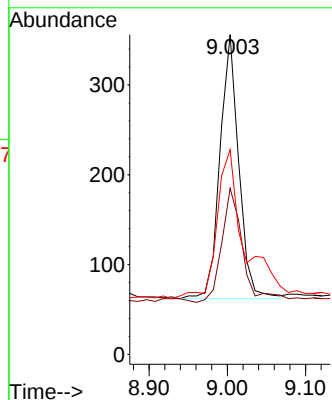
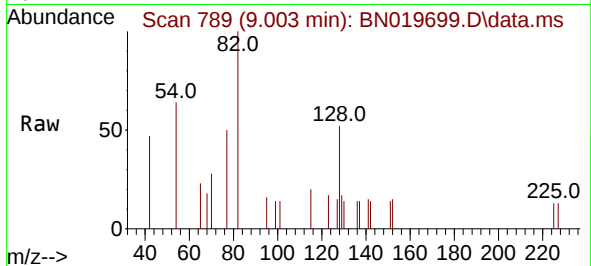




#8
Nitrobenzene-d5
Concen: 0.034 ng
RT: 9.003 min Scan# 789
Delta R.T. 0.000 min
Lab File: BN019699.D
Acq: 06 May 2022 14:46

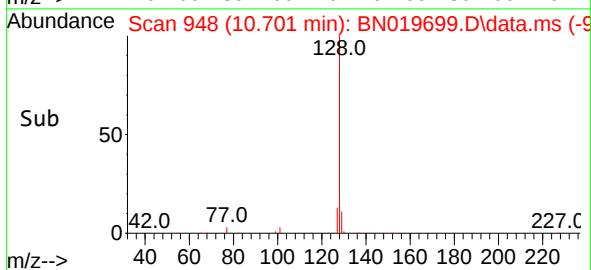
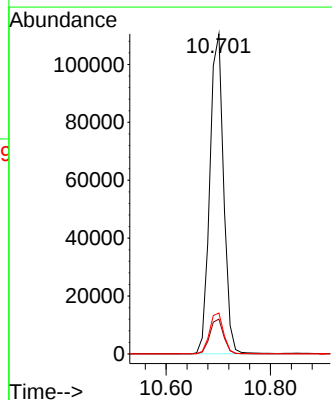
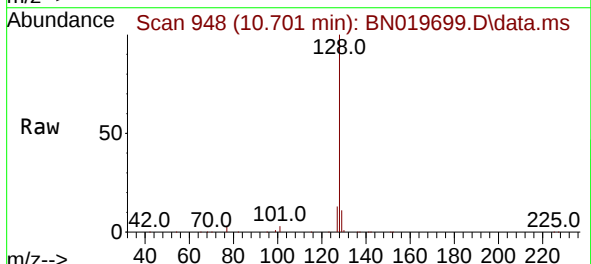
Instrument :
BNA_N
ClientSampleId :
38072-120920DL

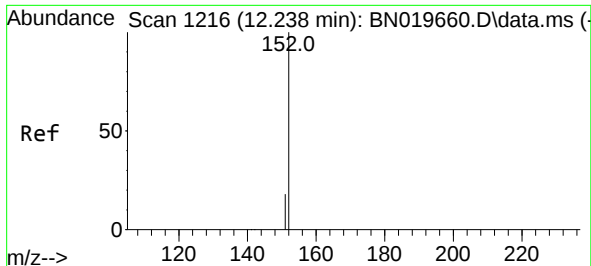
Tgt Ion: 82 Resp: 491
Ion Ratio Lower Upper
82 100
128 52.0 32.4 48.6#
54 64.0 44.4 66.6



#9
Naphthalene
Concen: 3.975 ng
RT: 10.701 min Scan# 948
Delta R.T. 0.000 min
Lab File: BN019699.D
Acq: 06 May 2022 14:46

Tgt Ion: 128 Resp: 202532
Ion Ratio Lower Upper
128 100
129 10.9 9.0 13.4
127 12.8 10.8 16.2

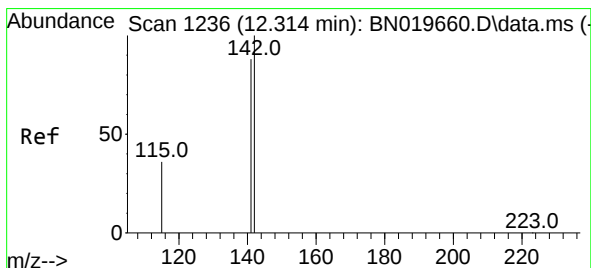
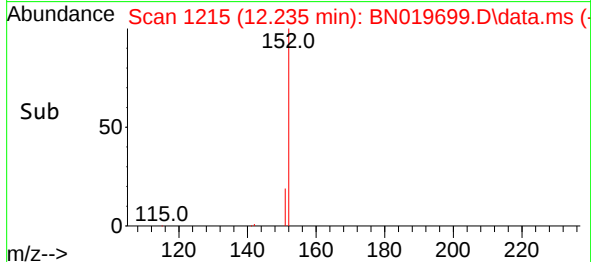
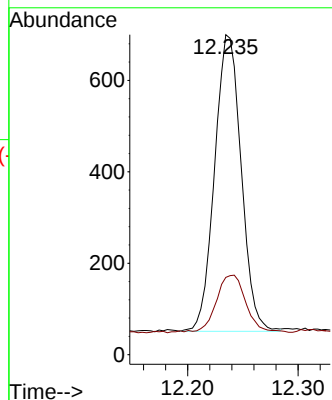
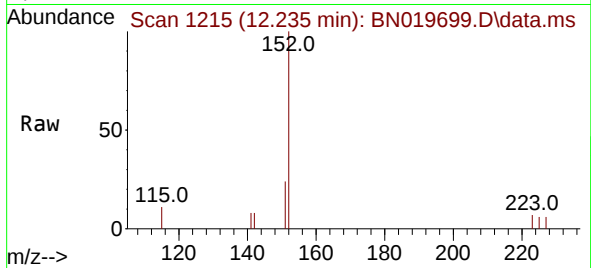




#11
2-Methylnaphthalene-d10
Concen: 0.037 ng
RT: 12.235 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN019699.D
Acq: 06 May 2022 14:46

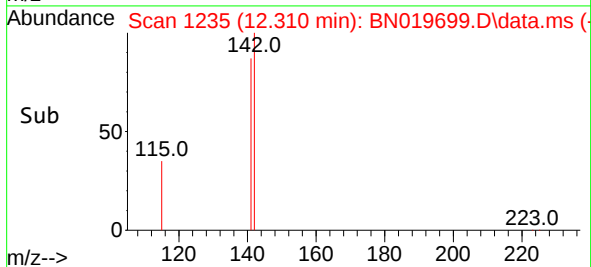
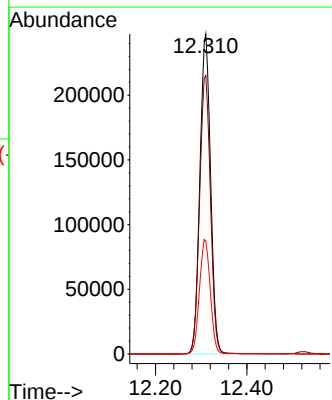
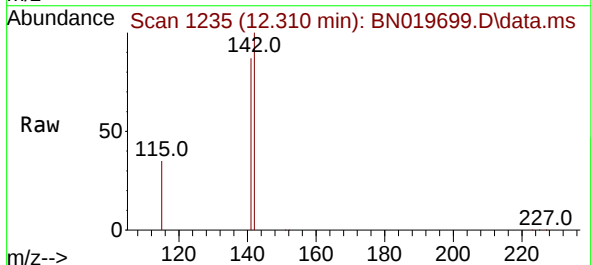
Instrument :
BNA_N
ClientSampleId :
38072-120920DL

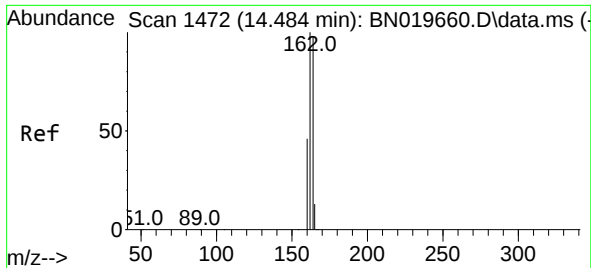
Tgt Ion:152 Resp: 1083
Ion Ratio Lower Upper
152 100
151 22.0 16.2 24.4



#12
2-Methylnaphthalene
Concen: 12.038 ng
RT: 12.310 min Scan# 1235
Delta R.T. -0.004 min
Lab File: BN019699.D
Acq: 06 May 2022 14:46

Tgt Ion:142 Resp: 402247
Ion Ratio Lower Upper
142 100
141 87.1 71.0 106.6
115 35.3 29.6 44.4

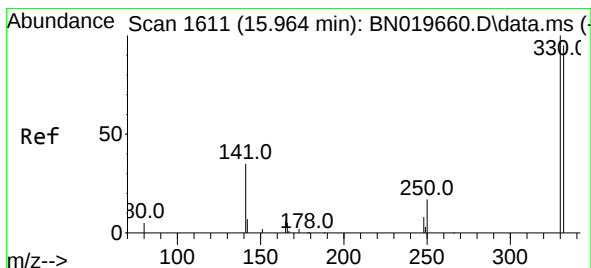
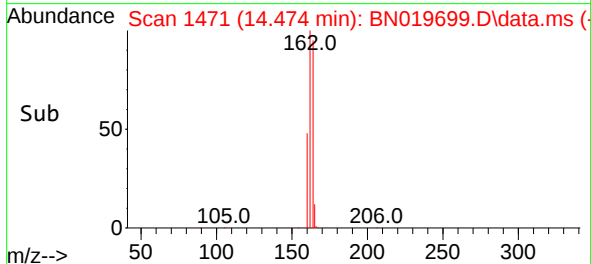
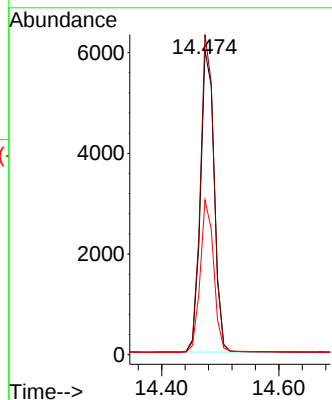
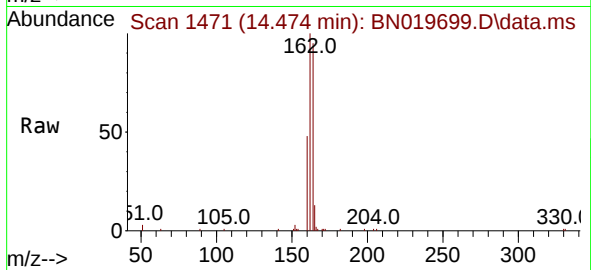




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.474 min Scan# 1472
Delta R.T. -0.011 min
Lab File: BN019699.D
Acq: 06 May 2022 14:46

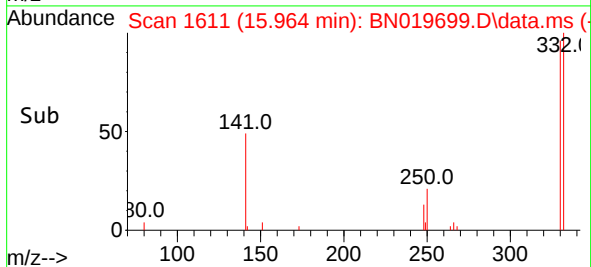
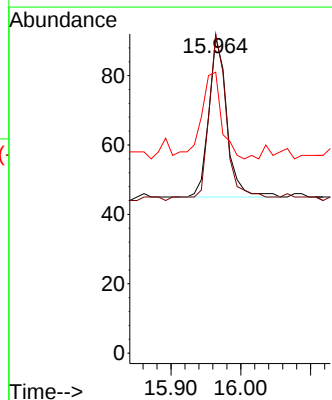
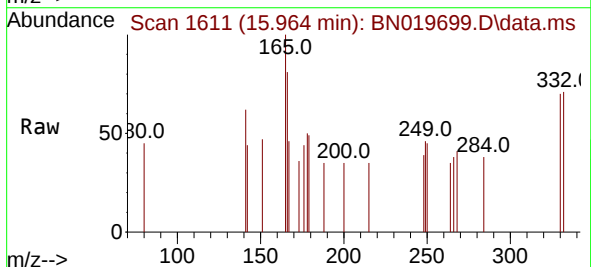
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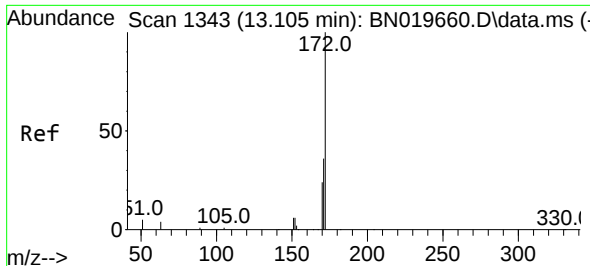
Tgt Ion:164 Resp: 9820
Ion Ratio Lower Upper
164 100
162 105.2 81.8 122.6
160 50.9 38.3 57.5



#14
2,4,6-Tribromophenol
Concen: 0.023 ng
RT: 15.964 min Scan# 1611
Delta R.T. 0.000 min
Lab File: BN019699.D
Acq: 06 May 2022 14:46

Tgt Ion:330 Resp: 83
Ion Ratio Lower Upper
330 100
332 104.8 76.2 114.4
141 57.8 39.7 59.5

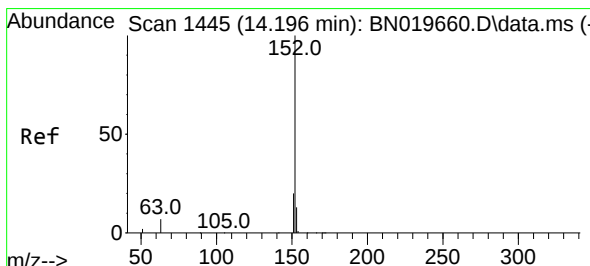
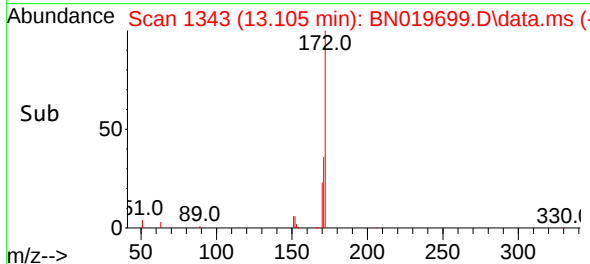
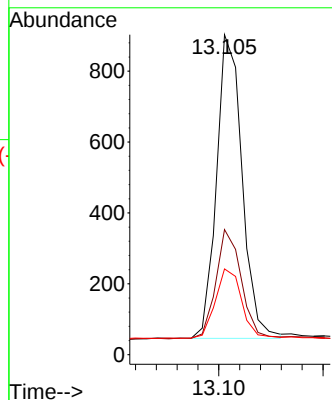
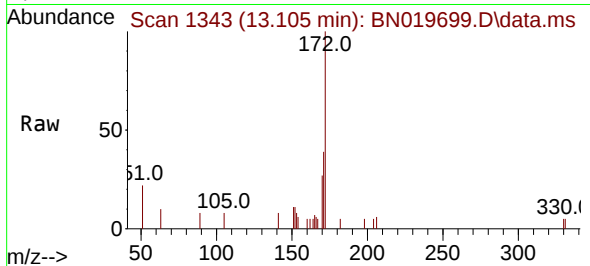




#15
2-Fluorobiphenyl
Concen: 0.035 ng
RT: 13.105 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN019699.D
Acq: 06 May 2022 14:46

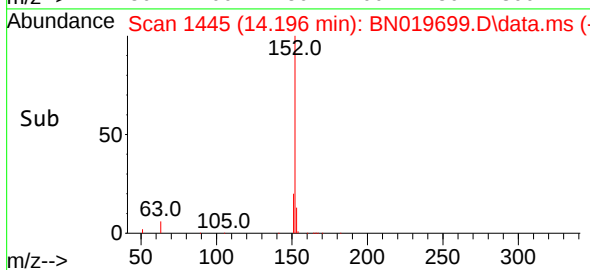
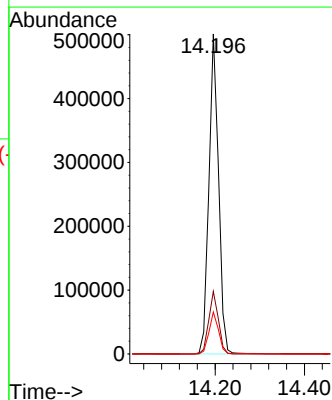
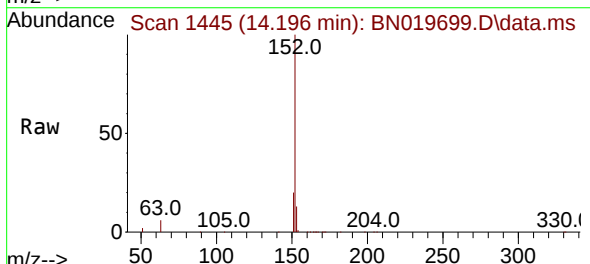
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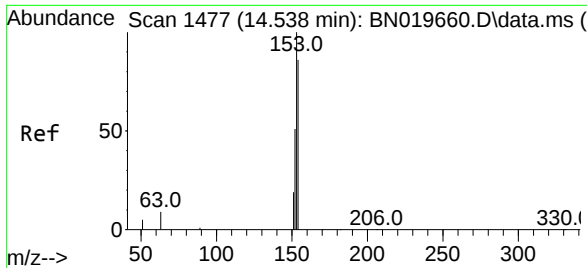
Tgt Ion:	172	Resp:	1462
Ion	Ratio	Lower	Upper
172	100		
171	39.1	28.0	42.0
170	26.8	19.0	28.4



#16
Acenaphthylene
Concen: 15.763 ng
RT: 14.196 min Scan# 1445
Delta R.T. 0.000 min
Lab File: BN019699.D
Acq: 06 May 2022 14:46

Tgt Ion:	152	Resp:	746896
Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.2	24.4
153	13.0	10.5	15.7

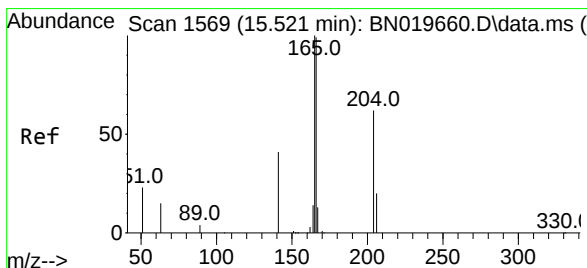
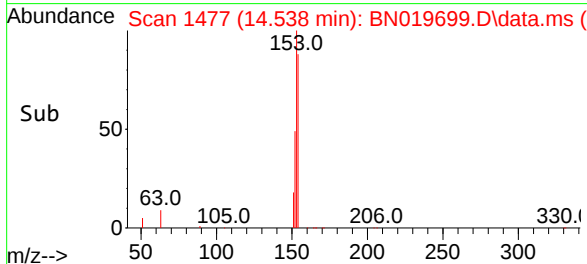
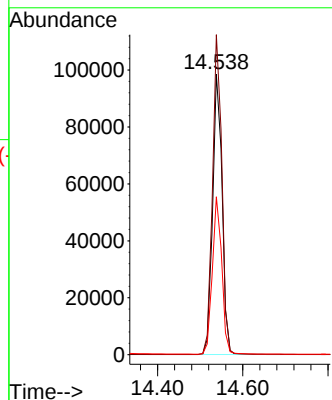
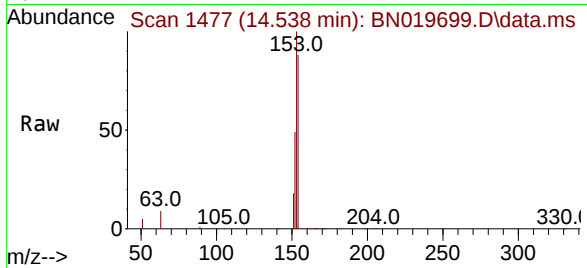




#17
Acenaphthene
Concen: 4.648 ng
RT: 14.538 min Scan# 1477
Delta R.T. 0.000 min
Lab File: BN019699.D
Acq: 06 May 2022 14:46

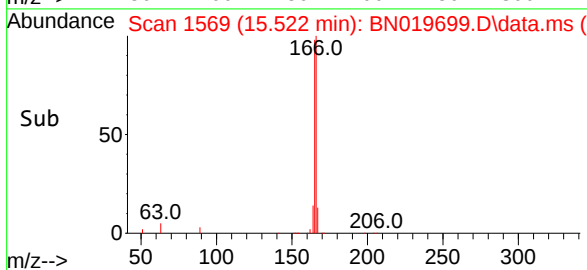
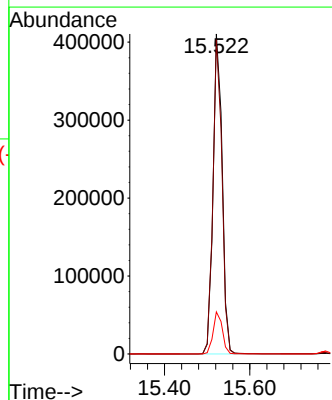
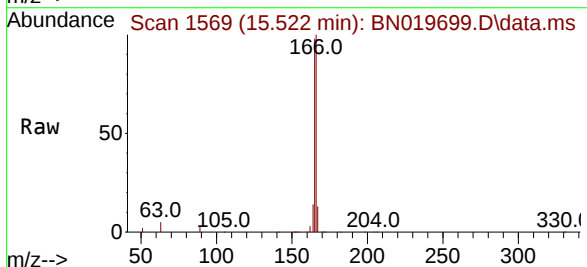
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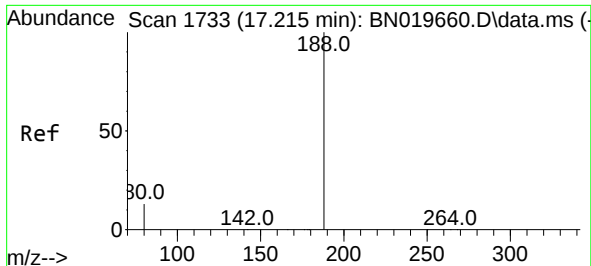
Tgt Ion:154 Resp: 151515
Ion Ratio Lower Upper
154 100
153 113.3 89.3 133.9
152 56.0 44.1 66.1



#18
Fluorene
Concen: 15.254 ng
RT: 15.522 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BN019699.D
Acq: 06 May 2022 14:46

Tgt Ion:166 Resp: 610839
Ion Ratio Lower Upper
166 100
165 97.1 79.1 118.7
167 13.2 10.7 16.1

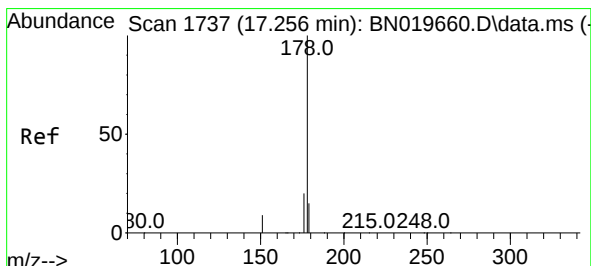
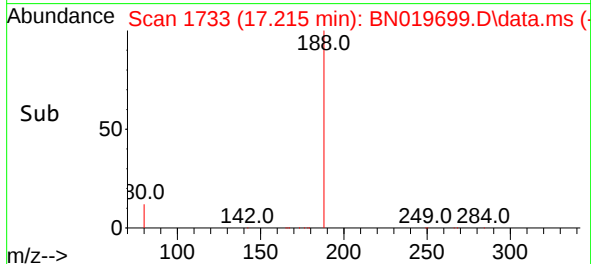
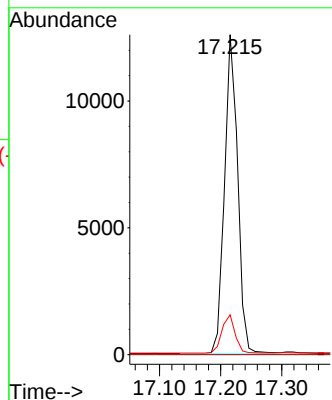
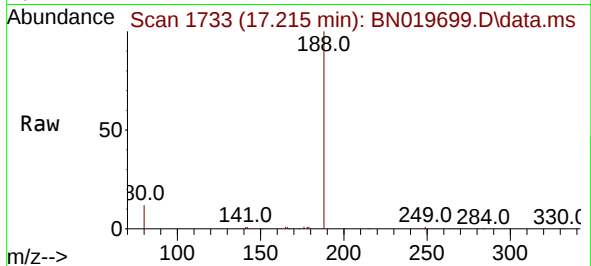




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.215 min Scan# 1733
Delta R.T. 0.000 min
Lab File: BN019699.D
Acq: 06 May 2022 14:46

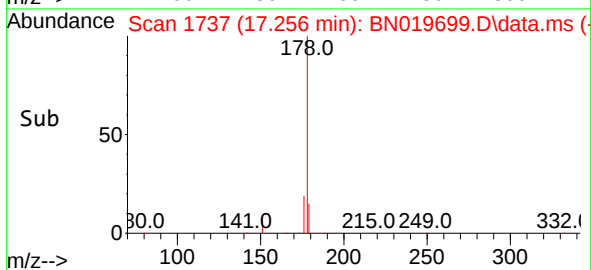
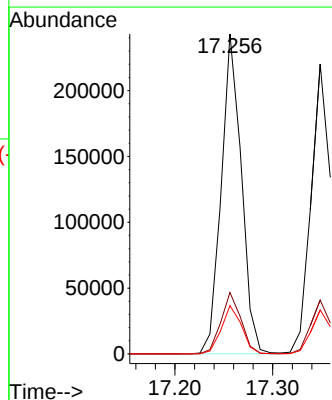
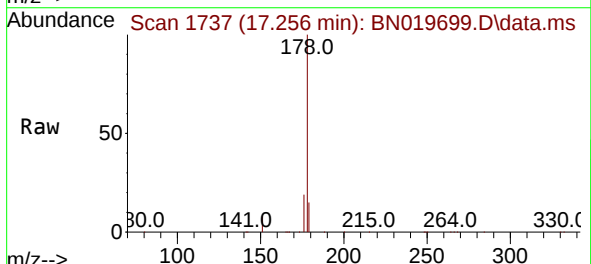
Instrument :
BNA_N
ClientSampleId :
38072-120920DL

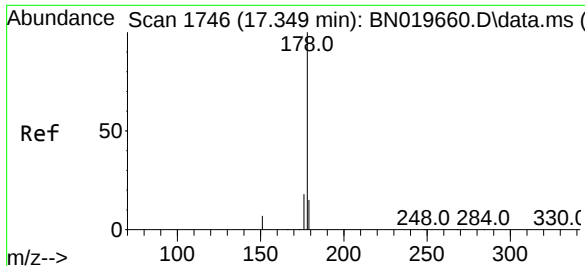
Tgt Ion:188 Resp: 18725
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.4 8.6 12.8



#25
Phenanthrene
Concen: 5.604 ng
RT: 17.256 min Scan# 1737
Delta R.T. 0.000 min
Lab File: BN019699.D
Acq: 06 May 2022 14:46

Tgt Ion:178 Resp: 347689
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 15.2 12.1 18.1

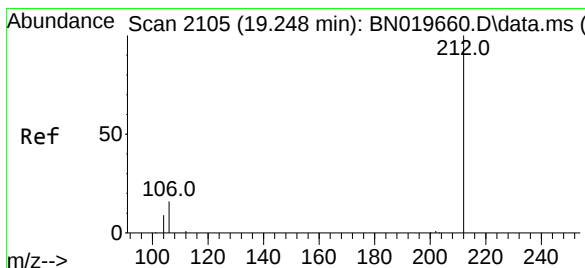
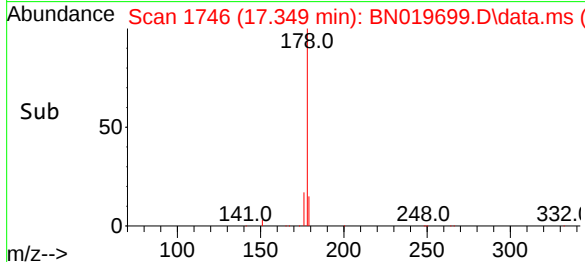
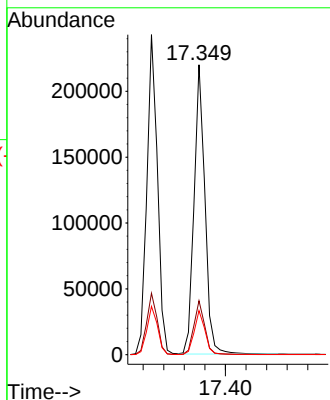
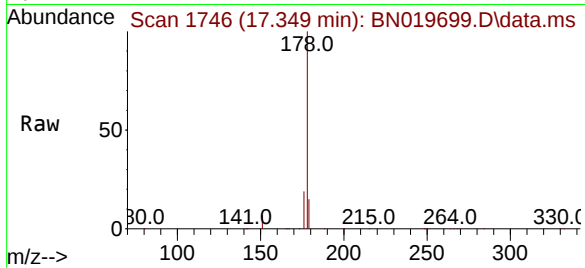




#26
 Anthracene
 Concen: 6.123 ng
 RT: 17.349 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN019699.D
 Acq: 06 May 2022 14:46

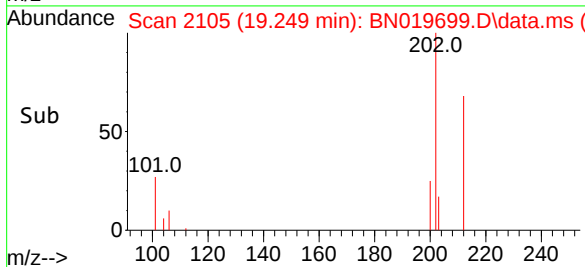
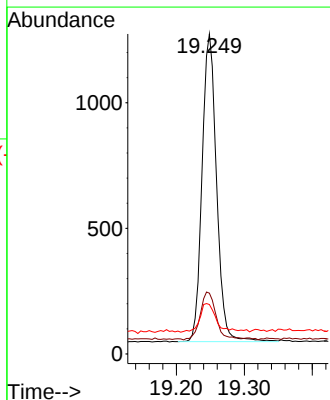
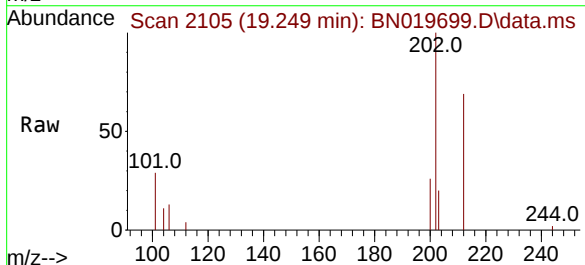
Instrument :
 BNA_N
 ClientSampleId :
 38072-120920DL

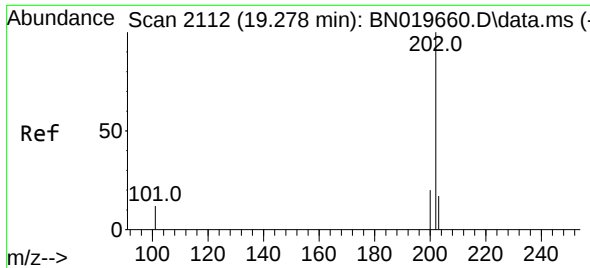
Tgt Ion:178 Resp: 322669
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.3 21.5
 179 15.1 12.2 18.4



#27
 Fluoranthene-d10
 Concen: 0.035 ng
 RT: 19.249 min Scan# 2105
 Delta R.T. 0.000 min
 Lab File: BN019699.D
 Acq: 06 May 2022 14:46

Tgt Ion:212 Resp: 1811
 Ion Ratio Lower Upper
 212 100
 106 17.2 13.5 20.3
 104 10.4 7.6 11.4

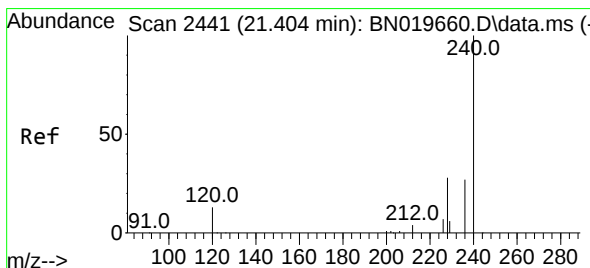
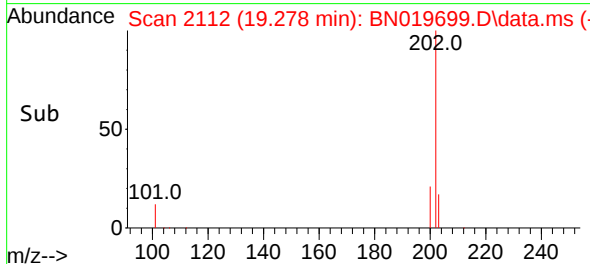
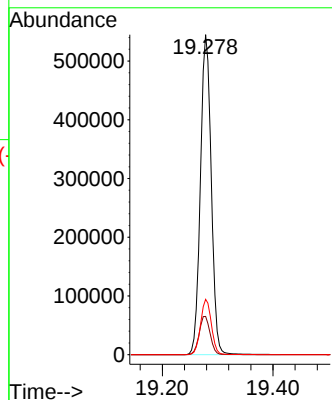
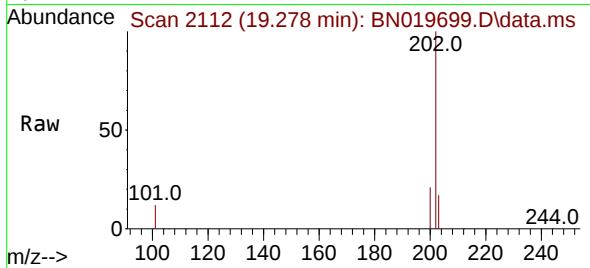




#28
Fluoranthene
Concen: 11.392 ng
RT: 19.278 min Scan# 2112
Delta R.T. 0.000 min
Lab File: BN019699.D
Acq: 06 May 2022 14:46

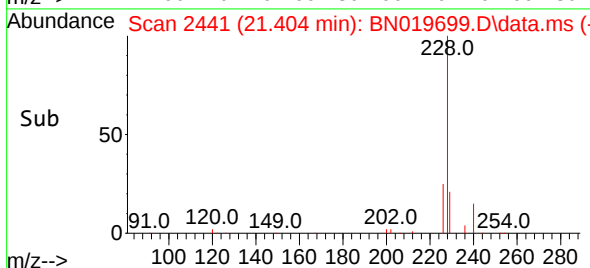
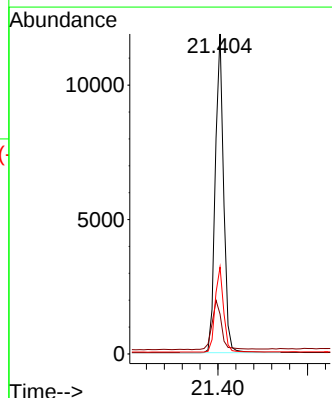
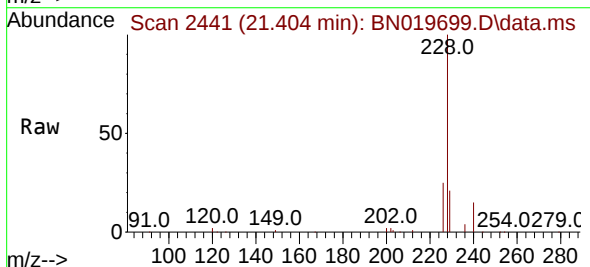
Instrument :
BNA_N
ClientSampleId :
38072-120920DL

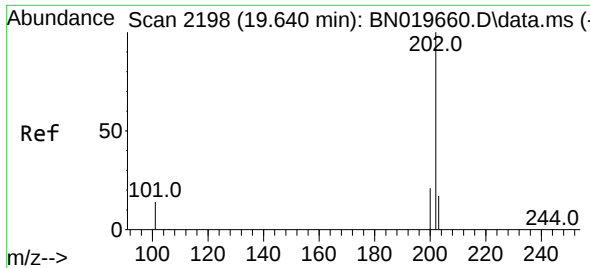
Tgt Ion:202 Resp: 738580
Ion Ratio Lower Upper
202 100
101 12.2 10.6 15.8
203 17.3 13.6 20.4



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.404 min Scan# 2441
Delta R.T. 0.000 min
Lab File: BN019699.D
Acq: 06 May 2022 14:46

Tgt Ion:240 Resp: 15350
Ion Ratio Lower Upper
240 100
120 12.4 17.4 26.2#
236 27.1 23.0 34.4

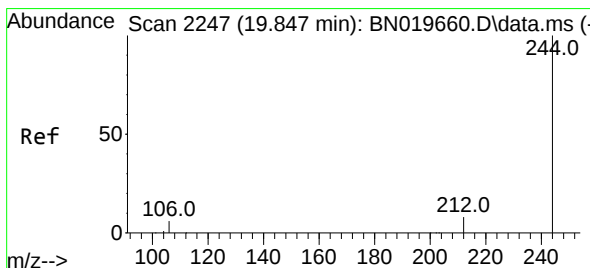
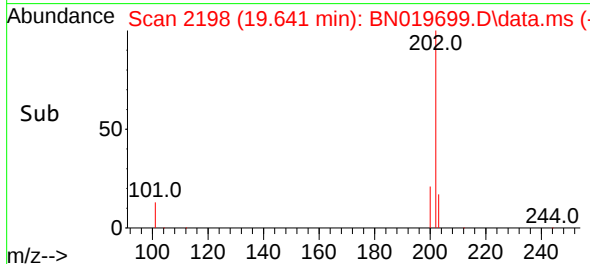
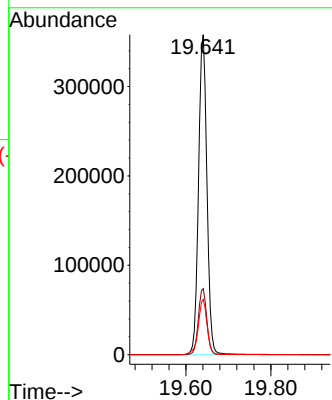
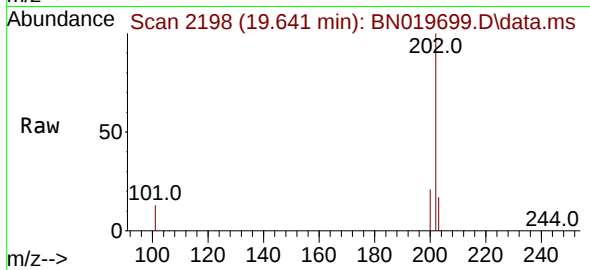




#30
Pyrene
Concen: 7.717 ng
RT: 19.641 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BN019699.D
Acq: 06 May 2022 14:46

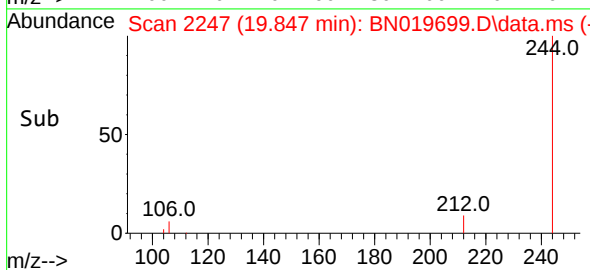
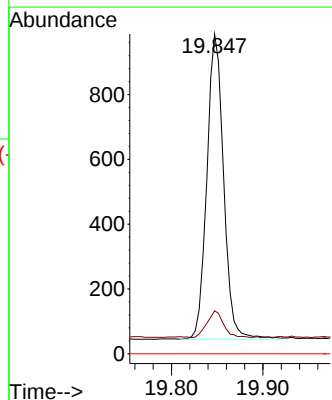
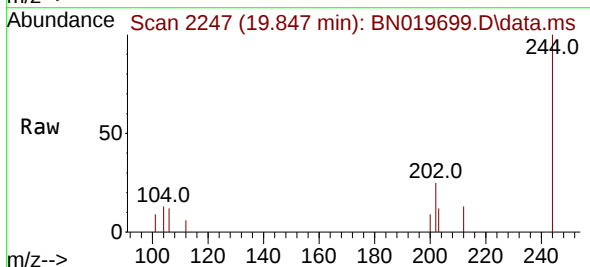
Instrument :
BNA_N
ClientSampleId :
38072-120920DL

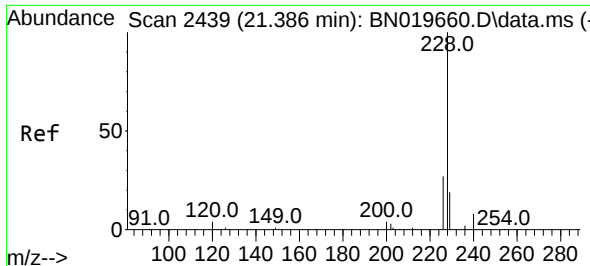
Tgt Ion:202 Resp: 489617
Ion Ratio Lower Upper
202 100
200 20.8 16.7 25.1
203 18.2 14.2 21.4



#31
Terphenyl-d14
Concen: 0.033 ng
RT: 19.847 min Scan# 2247
Delta R.T. 0.000 min
Lab File: BN019699.D
Acq: 06 May 2022 14:46

Tgt Ion:244 Resp: 1202
Ion Ratio Lower Upper
244 100
212 13.5 7.6 11.4#
122 0.0 0.0 0.0

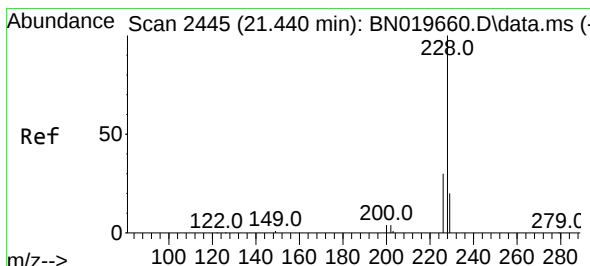
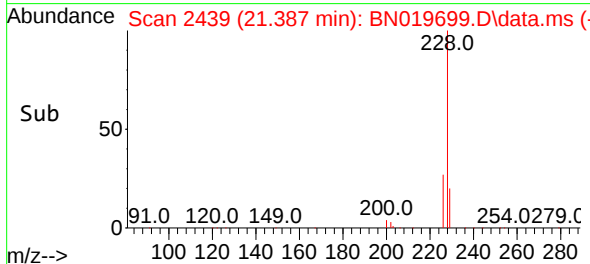
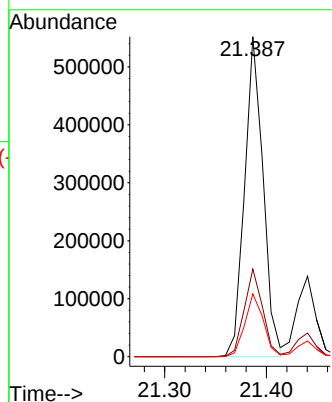
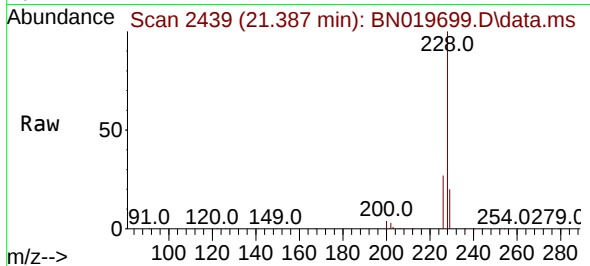




#32
Benzo(a)anthracene
Concen: 12.815 ng
RT: 21.387 min Scan# 2439
Delta R.T. 0.000 min
Lab File: BN019699.D
Acq: 06 May 2022 14:46

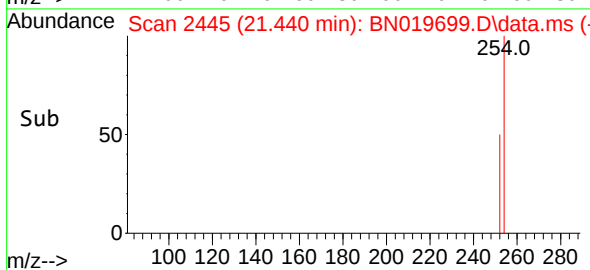
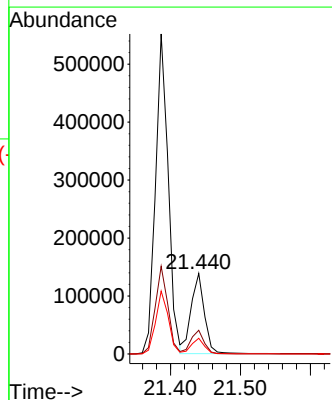
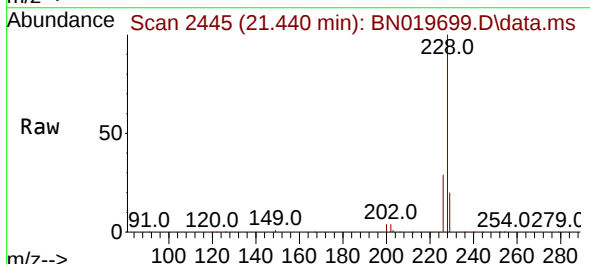
Instrument :
BNA_N
ClientSampleId :
38072-120920DL

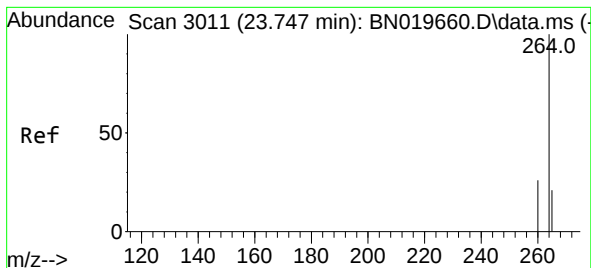
Tgt Ion:228 Resp: 697155
Ion Ratio Lower Upper
228 100
226 27.4 21.6 32.4
229 19.7 16.5 24.7



#33
Chrysene
Concen: 3.065 ng
RT: 21.440 min Scan# 2445
Delta R.T. 0.000 min
Lab File: BN019699.D
Acq: 06 May 2022 14:46

Tgt Ion:228 Resp: 182297
Ion Ratio Lower Upper
228 100
226 29.4 24.6 36.8
229 19.5 15.9 23.9





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.750 min Scan# 3011

Delta R.T. 0.003 min

Lab File: BN019699.D

Acq: 06 May 2022 14:46

Instrument :

BNA_N

ClientSampleId :

38072-120920DL

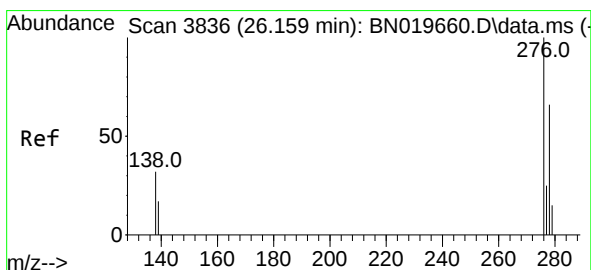
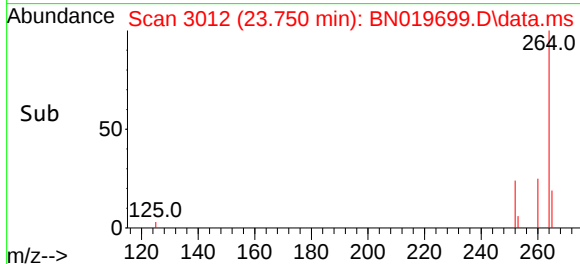
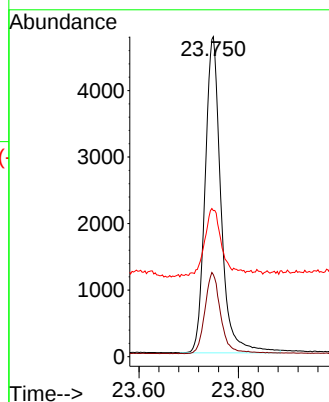
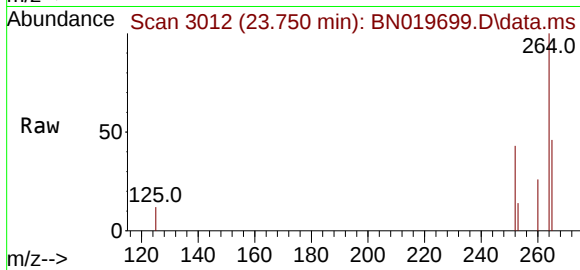
Tgt Ion:264 Resp: 10539

Ion Ratio Lower Upper

264 100

260 25.7 21.0 31.6

265 45.6 67.9 101.9#



#36

Indeno(1,2,3-cd)pyrene

Concen: 13.066 ng

RT: 26.156 min Scan# 3835

Delta R.T. -0.003 min

Lab File: BN019699.D

Acq: 06 May 2022 14:46

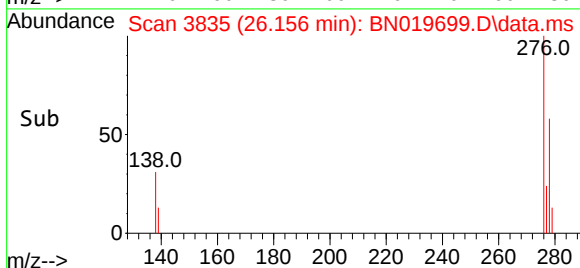
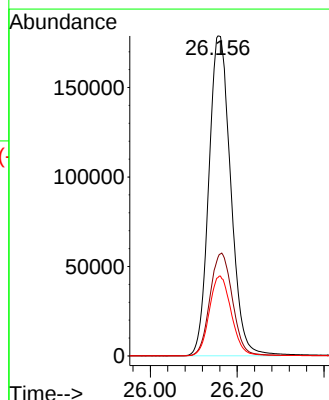
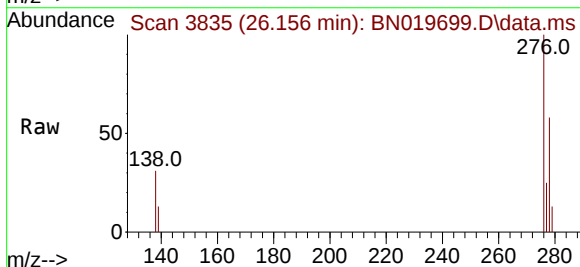
Tgt Ion:276 Resp: 625819

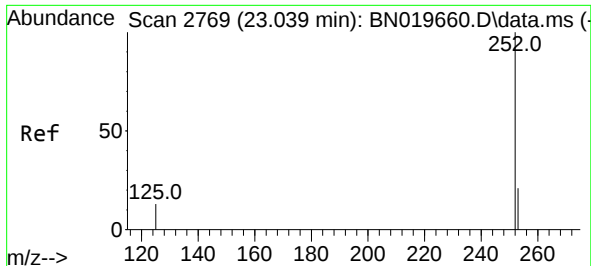
Ion Ratio Lower Upper

276 100

138 33.1 26.6 40.0

277 25.1 20.0 30.0





#37

Benzo(b)fluoranthene

Concen: 16.706 ng

RT: 23.036 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN019699.D

Acq: 06 May 2022 14:46

Instrument :

BNA_N

ClientSampleId :

38072-120920DL

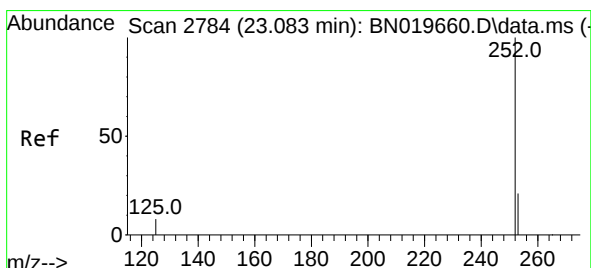
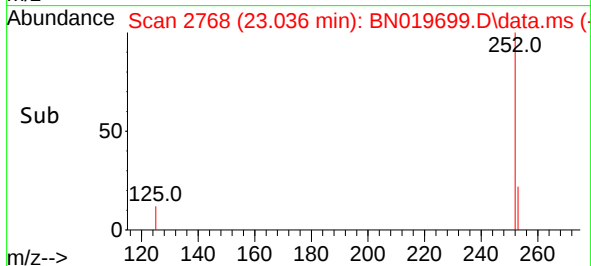
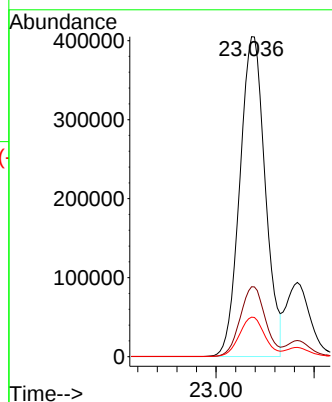
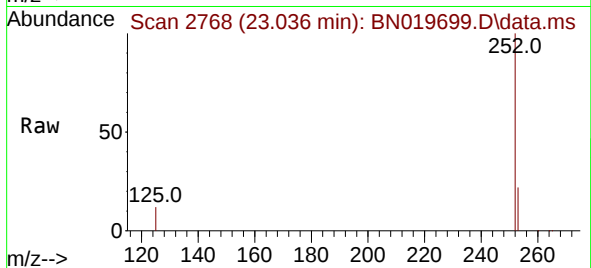
Tgt Ion:252 Resp: 727566

Ion Ratio Lower Upper

252 100

253 21.8 21.2 31.8

125 12.4 15.9 23.9#



#38

Benzo(k)fluoranthene

Concen: 3.223 ng

RT: 23.083 min Scan# 2784

Delta R.T. 0.000 min

Lab File: BN019699.D

Acq: 06 May 2022 14:46

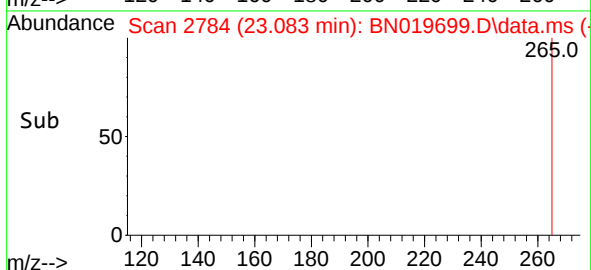
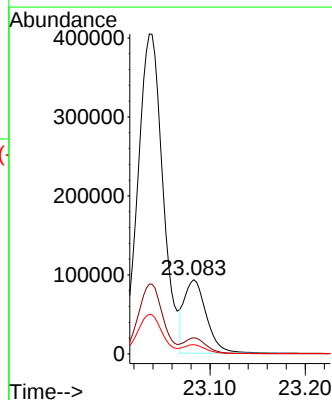
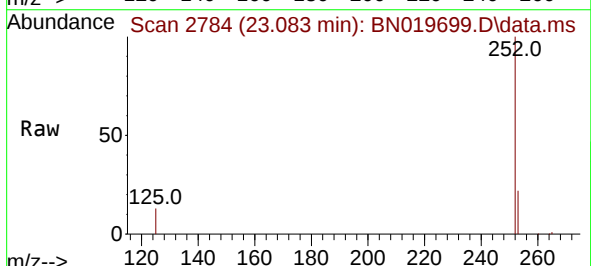
Tgt Ion:252 Resp: 148562

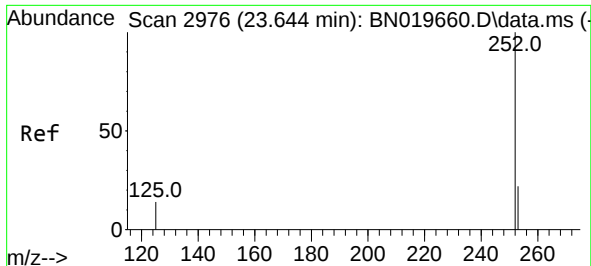
Ion Ratio Lower Upper

252 100

253 21.8 21.7 32.5

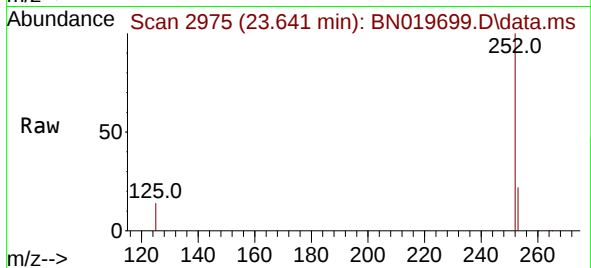
125 12.6 17.0 25.4#



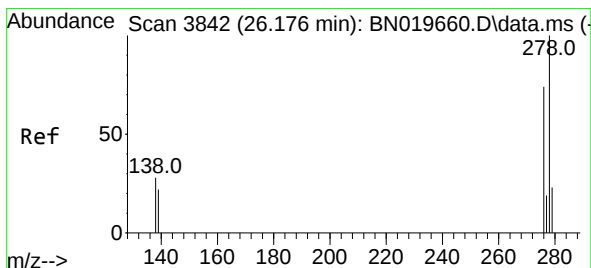
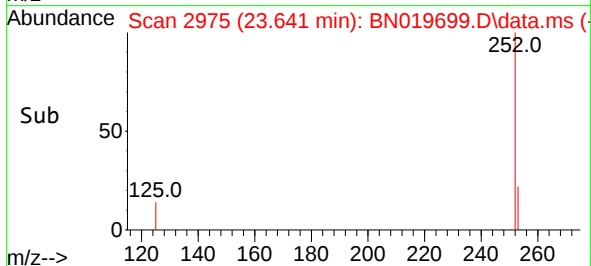
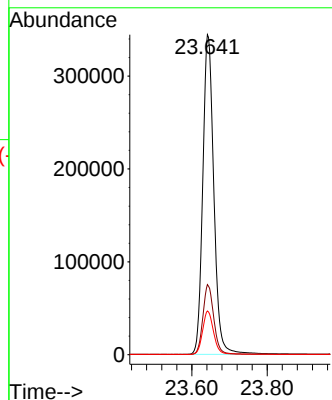


#39
Benzo(a)pyrene
Concen: 21.309 ng
RT: 23.641 min Scan# 2975
Delta R.T. -0.003 min
Lab File: BN019699.D
Acq: 06 May 2022 14:46

Instrument :
BNA_N
ClientSampleId :
38072-120920DL

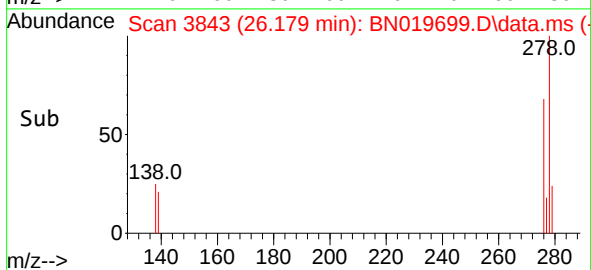
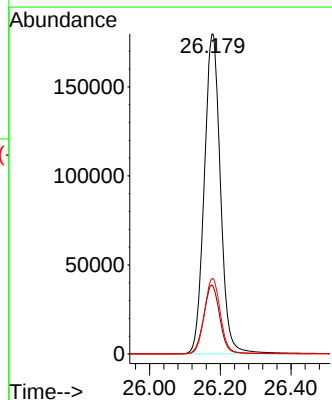
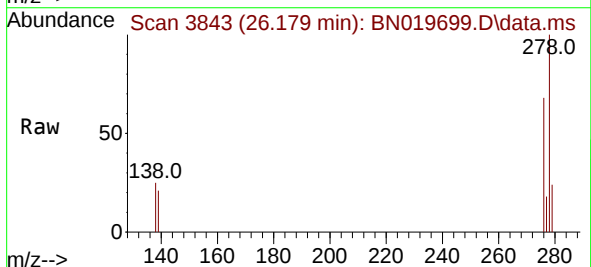


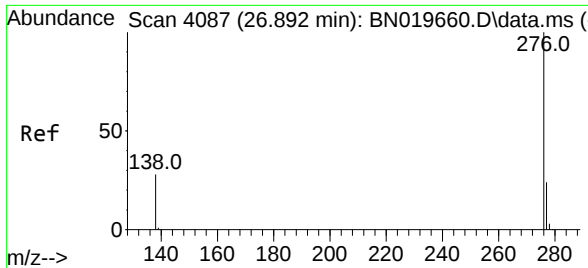
Tgt Ion:252 Resp: 704078
Ion Ratio Lower Upper
252 100
253 21.9 23.1 34.7#
125 13.7 20.4 30.6#



#40
Dibenzo(a,h)anthracene
Concen: 14.613 ng
RT: 26.179 min Scan# 3843
Delta R.T. 0.003 min
Lab File: BN019699.D
Acq: 06 May 2022 14:46

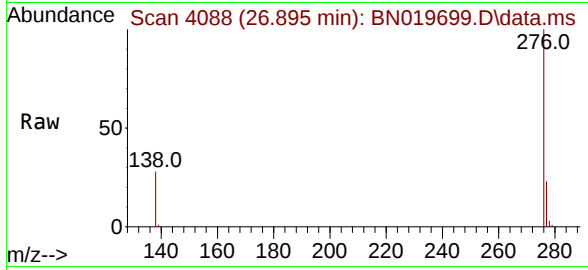
Tgt Ion:278 Resp: 570246
Ion Ratio Lower Upper
278 100
139 21.2 19.4 29.2
279 23.6 21.8 32.8





#41
 Benzo(g,h,i)perylene
 Concen: 1.593 ng
 RT: 26.895 min Scan# 4088
 Delta R.T. 0.003 min
 Lab File: BN019699.D
 Acq: 06 May 2022 14:46

Instrument :
 BNA_N
 ClientSampleId :
 38072-120920DL



Tgt Ion:	276	Resp:	61546
Ion Ratio	Lower	Upper	
276	100		
277	23.1	20.2	30.2
138	27.5	23.5	35.3

